



FINAL LAB REPORT

Prepared by

SGS NORTH AMERICA

Prepared for

This report is approved by

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

SGS remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.sgs.com/ultratrace and click on the 'Email Us' link or go to our survey [here](#). Thank you for choosing SGS.

Any holder of this document is advised that it is a final submission and supersedes and voids all prior reports with the same report or identification number. The information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility in conducting the work herein is to its Client and does not exonerate parties to a transaction from exercising all of their rights and obligations under such applicable transaction documents. This report may be reproduced in full only. The Company expressly disclaims any and all liability for the Client's use of or reliance upon the data contained herein. Any alteration, forgery or falsification of the content or appearance of this document which is not expressly authorized by the Company is unlawful and offenders may be prosecuted to the fullest extent of the law. Results reported relate only to the items tested.



PROJECT INFORMATION SUMMARY *(When applicable, see QC Annotations for details)*

Client Project
SGS Project #
Analytical Protocol(s)
No. Samples Submitted
Additional QC Sample(s)
No. Laboratory Method Blanks
No. OPRs / Batch CS3
Date Received
Condition Received
Temperature upon Receipt (°C)
Extraction within Holding Time
Analysis within Holding Time



QC ANNOTATIONS:

1. Please see Appendices attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

APPENDIX A: GENERAL DATA QUALIFIERS / DATA ATTRIBUTES

B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve) and is an estimated value.
EMPC	Represents an Estimated Maximum Possible Concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve) and is an estimated value.
ND	Indicates a non-detect.
NR or R	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.

APPENDIX B: DRBC/TMDL SPECIFIC DATA QUALIFIERS / DATA ATTRIBUTES

J	The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).
U	The analyte was not detected in the sample at the estimated detection limit (EDL).
E	The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
D	Dilution Data. Result was obtained from the analysis of a dilution.
B	Analyte found in the sample and associated method blank.
C	Co-eluting congener
Cxx	Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'Xx' denotes the IUPAC number with the lowest numerical designated congener.
NR	Analyte is not reportable because of problems in sample preparation or analysis.
V	Labeled standard recovery is not within method control limits.
X	Results from re-injection/repeat/second-column analysis.
EMPC	Estimated maximum possible concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

APPENDIX C: LAB IDENTIFIERS


AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.



SGS CERTIFICATIONS / APPROVALS / PERMITS

Alaska DEC LAP	17-012
Alaska DEC LCP	NC00919
Arkansas	88-0682
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Colorado	NC00919
Connecticut	PH-0258
USDA Soil Permit	P330-20-00103
American Association for Laboratory Accreditation (A2LA)	2726.01 (ISO 17025:2017, 2009 TNI, DoD ELAP QSM 5.4)
Florida DOH	E87634
Hawaii DOH	Approval
Louisiana DEQ	4115
Louisiana DOH	LA031
Maine	2020020
Massachusetts	M-NC919
Michigan	9950
Minnesota (Primary NELAP For Method 23)	037-999-459
Montana	0106
New Hampshire (Secondary NELAP)	2083
New Jersey	NC100
New York	11685
North Carolina DEQ	481
Ohio	87785
Oklahoma	2205
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
UCMR 5	NC00919
US Coast Guard	16714/159.317/SGS
U.S. Fish and Wildlife Service	A22801
Vermont	VT-87634
Virginia	460214
Washington	C913

B9847
Project ID: M243309

Sample Summary  Method AP-CM/GC-HRMS(PAH)										
Analyte	Method Blank B9847_21458	Method Blank B9847_21458- AR1	Test #1 Mill on	Test #2 Mill on	Test #3 Mill on	Test #4 Mill on	Test #1 Mill off	Test #2 Mill off	Test #3 Mill off	Field Blank
	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train
Naphthalene	600	539	64500	66500	48700	54200	48700	65100	42800	681
2-Methylnaphthalene	166	144	61500	43400	44000	20700	45900	65800	37800	170
Acenaphthylene	2.78	1.98	3270	1590	3690	585	6800	7020	6440	2.99
Acenaphthene	17	20.5	1080	488	1200	267	1460	1660	1310	21
Fluorene	21.6	21.9	1690	790	1940	319	7330	8430	3330	23.3
Phenanthrene	62.8	64.3	2580	1200	2410	282	19400	26600	11100	75
Anthracene	1.4	2.7	86.7	29.5	87.1	26.3	809	930	304	3.3
Fluoranthene	14.6	16.5	85.9	145	81.7	61.4	560	771	230	15.5
Pyrene	14	16.8	90.8	103	76.7	46.7	259	342	136	18.5
Benzo(a)Anthracene	0.124	0.161	4.58	2.29	2.52	1.97	4.17	5.94	3.01	0.609
Chrysene	0.505	0.559	5.73	6.44	3.82	3.9	7.72	12.5	7.87	1.2
Benzo(b)Fluoranthene	0.411	0.442	7.58	7.94	3.24	4.94	5.7	22.4	7.44	0.865
Benzo(k)Fluoranthene	0.147	0.172	1.99	2.11	1.47	< 1.69	1.69	6.61	2.5	0.205
Benzo(e)Pyrene	0.413	0.477	16.6	25.3	5.25	6.43	6.91	78.4	15.3	1.02
Benzo(a)Pyrene	0.281	0.31	4.07	5.27	3.17	1.99	2.76	5.8	3.04	0.656
Perylene	0.116	0.193	< 2.67	< 1.9	< 1.5	< 2.5	< 2.11	< 3.01	< 1.23	< 0.131
Indeno(1,2,3-cd)Pyrene	0.294	0.394	10.4	11.1	1.79	< 2.78	< 3.34	24.6	6.17	0.487
Dibenzo(a,h)Anthracene	0.0973	0.251	< 3.49	< 2.88	< 2.61	< 3.05	< 2.93	< 4.16	< 1.71	0.214
Benzo(ghi)Perylene	0.928	1.04	37.6	45	8.11	7.97	6.3	129	26.9	1.42
Checkcode:	375-454-FDH	158-571-NCM	452-699-NGQ	069-512-DJQ	966-963-BKK	513-707-CPT	222-292-QTW	158-302-SRS	894-346-FSL	191-657-CCZ
Total PAH	903	831.679	134972	114351	102215	76515	131253	176938	103522	1017.266

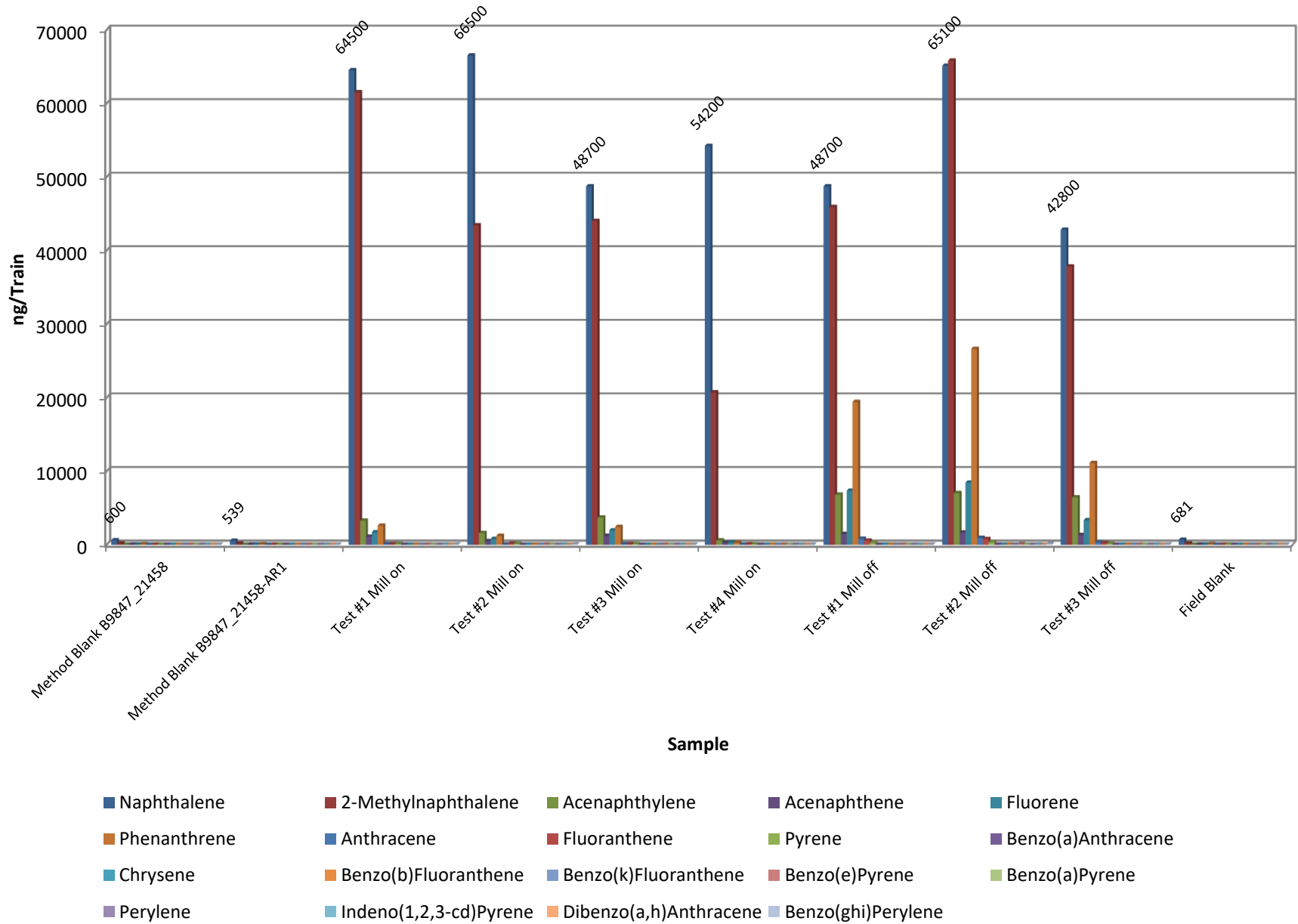
(<x) = <RL

B9847
Project ID: M243309

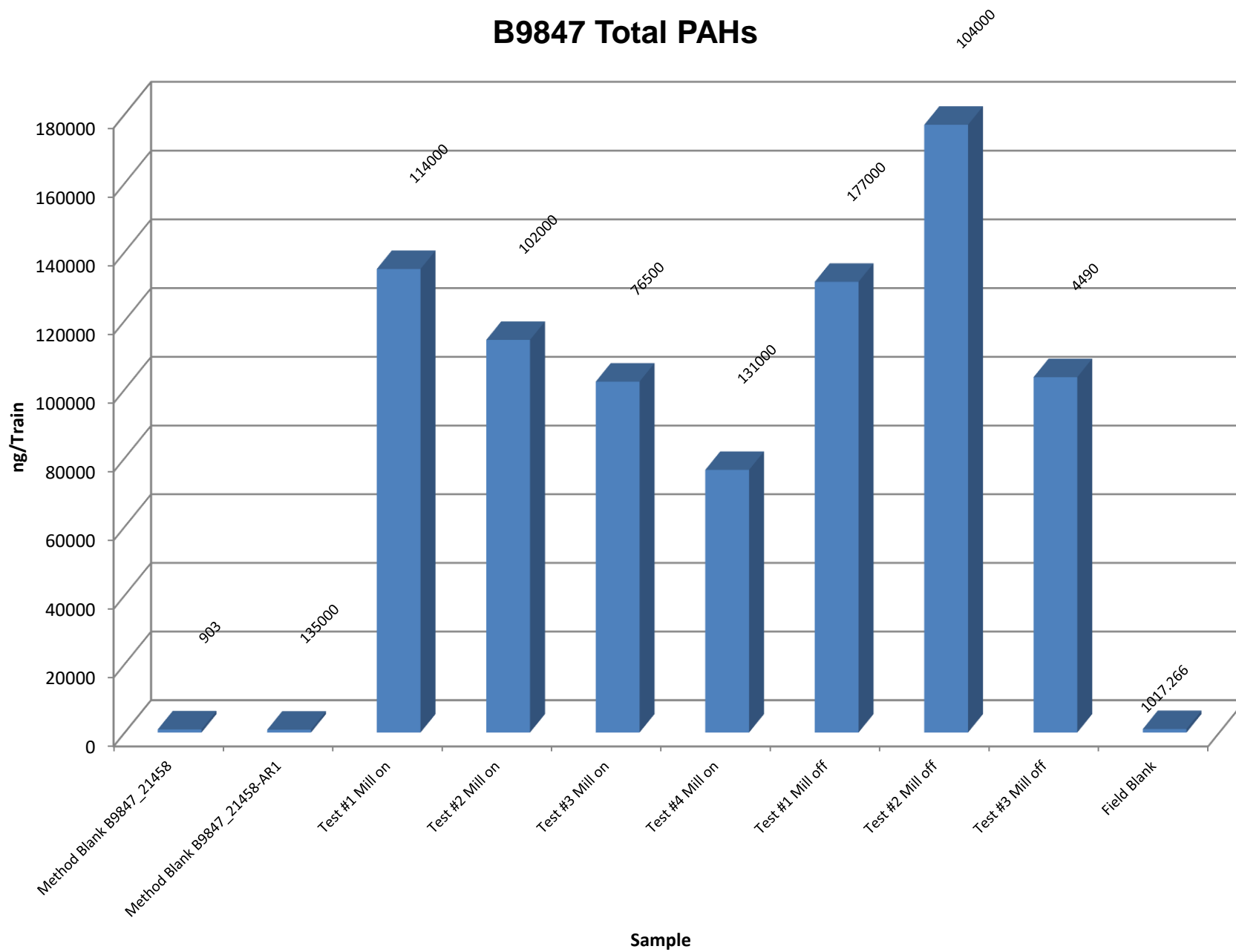
Standards Summary		Method AP-CM/GC-HRMS(PAH)								
Analyte	Method Blank B9847_21458	Method Blank B9847_21458- AR1	Test #1 Mill on	Test #2 Mill on	Test #3 Mill on	Test #4 Mill on	Test #1 Mill off	Test #2 Mill off	Test #3 Mill off	Field Blank
	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
Extraction Standards										
13C6-Naphthalene	37.5	53.6	50.3	39.7	51.4	52.3	57.2	65.8	62.6	42.1
13C6-2-Methylnaphthalene	45.6	64.1	40.8	42.6	46.8	49	53.7	56.1	59.6	51.5
13C6-Acenaphthylene	42.9	59.9	33	38.2	40.3	46.7	43	41.5	42.9	54.2
13C6-Acenaphthene	48.4	69.2	32.3	39.8	39.8	48.7	47.5	43.4	46	60.3
13C6-Fluorene	53.7	84.1	33.2	36	41	47	45.1	43.6	45.1	78.8
13C6-Phenanthrene	67.9	115	36.6	37.8	48.9	56.1	53.1	57.9	50.3	111
13C6-Anthracene	64.6	141	33	36.7	39.4	50.4	42.9	47	43.3	134
13C6-Fluoranthene	63.1	86.2	67.7	58.1	68.9	66.9	70.8	60.3	63	95.6
13C3-Pyrene	64.7	88.4	65.4	60.4	67.2	68.2	70.7	60.8	61.5	98.3
13C6-Benzo(a)Anthracene	74.7	93.4	63.4	65.7	61.5	61.6	60.3	56.1	63.5	105
13C6-Chrysene	80.7	86.2	62.4	63.2	64.1	60.7	61.9	53.4	63	94.2
13C6-Benzo(b)Fluoranthene	69.3	111	85	71.3	79.7	83.7	92.8	72	75.4	111
13C6-Benzo(k)Fluoranthene	74.2	95.9	85	76.7	80	86.2	88.7	78.7	78.2	99.9
13C4-Benzo(e)Pyrene	75.1	97.1	88.6	80.2	86.3	89.4	95.8	78	82.3	95.8
13C4-Benzo(a)Pyrene	71.1	91.2	79	69.1	72.8	79	84.7	63.5	75.8	99.1
d12-Perylene	71.4	69.9	90.4	74.5	83.6	77.9	90.5	69.6	76.7	84.9
13C6-Indeno(1,2,3-cd)Pyrene	74.1	99.2	73.8	62	71.1	72	76.5	68.8	75.2	103
13C6-Dibenzo(ah)Anthracene	76.4	94.7	66	72.9	68.5	71.1	77.7	59.3	76.2	104
13C12-Benzo(ghi)Perylene	74.4	91.1	85.1	69	73.1	73.9	85.5	71.7	80.6	93.6
Sampling Standards										
d10-Fluorene	105	98.3	98.4	94.8	92.5	102	104	95.9	98.1	92.8
d14-Terphenyl	114	131	84.4	83.6	81.9	84.3	83.2	80.1	81.4	115
Filter Standard										
Anthracene	68.8	134	30.4	35	38.9	43.8	42	46.3	44.4	121

(<x) = <RL

B9847 PAHs



B9847 Total PAHs



Sample ID:		Test #1 Mill on		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_001-D10	Date Extracted:	09-Sep-24
Date Collected:	13-Aug-24			QC Batch No.:	21458	Date Analyzed:	01-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	64500		E S	¹³ C ₆ -Naphthalene	50.3	V	
2-Methylnaphthalene	61500		E S	¹³ C ₆ -2-Methylnaphthalene	40.8	V	
Acenaphthylene	3270		E	¹³ C ₆ -Acenaphthylene	33	V	
Acenaphthene	1080		E	¹³ C ₆ -Acenaphthene	32.3	V	
Fluorene	1690		E	¹³ C ₆ -Fluorene	33.2	V	
Phenanthrene	2580		E	¹³ C ₆ -Phenanthrene	36.6	V	
Anthracene	86.7			¹³ C ₆ -Anthracene	33	V	
Fluoranthene	85.9		B	¹³ C ₆ -Fluoranthene	67.7	V	
Pyrene	90.8		B	¹³ C ₃ -Pyrene	65.4	V	
Benzo(a)Anthracene	4.58			¹³ C ₆ -Benzo(a)Anthracene	63.4	V	
Chrysene	5.73			¹³ C ₆ -Chrysene	62.4	V	
Benzo(b)Fluoranthene	7.58			¹³ C ₆ -Benzo(b)Fluoranthene	85		
Benzo(k)Fluoranthene	1.99		J	¹³ C ₆ -Benzo(k)Fluoranthene	85		
Benzo(e)Pyrene	16.6			¹³ C ₄ -Benzo(e)Pyrene	88.6		
Benzo(a)Pyrene	4.07			¹³ C ₄ -Benzo(a)Pyrene	79		
Perylene	ND	2.67		d ₁₂ -Perylene	90.4		
Indeno(1,2,3-cd)Pyrene	10.4			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	73.8		
Dibenzo(a,h)Anthracene	ND	3.49		¹³ C ₆ -Dibenzo(ah)Anthracene	66	V	
Benzo(ghi)Perylene	37.6			¹³ C ₁₂ -Benzo(ghi)Perylene	85.1		
<div><div><div>SGS</div></div><div>5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com</div></div>				Filter Standard (FS)			
				d ₁₀ -Anthracene	30.4	V	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	98.4		
d ₁₄ -Terphenyl	84.4						

Sample ID:		Test #2 Mill on		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_002-D10	Date Extracted:	09-Sep-24
Date Collected:	14-Aug-24			QC Batch No.:	21458	Date Analyzed:	01-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	66500		E S	¹³ C ₆ -Naphthalene	39.7	V	
2-Methylnaphthalene	43400		E S	¹³ C ₆ -2-Methylnaphthalene	42.6	V	
Acenaphthylene	1590		E	¹³ C ₆ -Acenaphthylene	38.2	V	
Acenaphthene	488		E	¹³ C ₆ -Acenaphthene	39.8	V	
Fluorene	790		E	¹³ C ₆ -Fluorene	36	V	
Phenanthrene	1200		E	¹³ C ₆ -Phenanthrene	37.8	V	
Anthracene	29.5			¹³ C ₆ -Anthracene	36.7	V	
Fluoranthene	145		B	¹³ C ₆ -Fluoranthene	58.1	V	
Pyrene	103		B	¹³ C ₃ -Pyrene	60.4	V	
Benzo(a)Anthracene	2.29		J	¹³ C ₆ -Benzo(a)Anthracene	65.7	V	
Chrysene	6.44			¹³ C ₆ -Chrysene	63.2	V	
Benzo(b)Fluoranthene	7.94			¹³ C ₆ -Benzo(b)Fluoranthene	71.3		
Benzo(k)Fluoranthene	2.11		J	¹³ C ₆ -Benzo(k)Fluoranthene	76.7		
Benzo(e)Pyrene	25.3			¹³ C ₄ -Benzo(e)Pyrene	80.2		
Benzo(a)Pyrene	5.27			¹³ C ₄ -Benzo(a)Pyrene	69.1	V	
Perylene	ND	1.9		d ₁₂ -Perylene	74.5		
Indeno(1,2,3-cd)Pyrene	11.1			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	62	V	
Dibenzo(a,h)Anthracene	ND	2.88		¹³ C ₆ -Dibenzo(ah)Anthracene	72.9		
Benzo(ghi)Perylene	45			¹³ C ₁₂ -Benzo(ghi)Perylene	69	V	
<div><div><div>SGS</div></div><div>5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com</div></div>				Filter Standard (FS)			
				d ₁₀ -Anthracene	35	V	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	94.8		
				d ₁₄ -Terphenyl	83.6		

Sample ID:		Test #3 Mill on		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_003-D10	Date Extracted:	09-Sep-24
Date Collected:	14-Aug-24			QC Batch No.:	21458	Date Analyzed:	01-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	48700		E S	¹³ C ₆ -Naphthalene	51.4	V	
2-Methylnaphthalene	44000		E S	¹³ C ₆ -2-Methylnaphthalene	46.8	V	
Acenaphthylene	3690		E	¹³ C ₆ -Acenaphthylene	40.3	V	
Acenaphthene	1200		E	¹³ C ₆ -Acenaphthene	39.8	V	
Fluorene	1940		E	¹³ C ₆ -Fluorene	41	V	
Phenanthrene	2410		E	¹³ C ₆ -Phenanthrene	48.9	V	
Anthracene	87.1			¹³ C ₆ -Anthracene	39.4	V	
Fluoranthene	81.7		B	¹³ C ₆ -Fluoranthene	68.9	V	
Pyrene	76.7		B	¹³ C ₃ -Pyrene	67.2	V	
Benzo(a)Anthracene	2.52		J	¹³ C ₆ -Benzo(a)Anthracene	61.5	V	
Chrysene	3.82		J B	¹³ C ₆ -Chrysene	64.1	V	
Benzo(b)Fluoranthene	3.24		J B	¹³ C ₆ -Benzo(b)Fluoranthene	79.7		
Benzo(k)Fluoranthene	1.47		J B	¹³ C ₆ -Benzo(k)Fluoranthene	80		
Benzo(e)Pyrene	5.25			¹³ C ₄ -Benzo(e)Pyrene	86.3		
Benzo(a)Pyrene	3.17		J	¹³ C ₄ -Benzo(a)Pyrene	72.8		
Perylene	ND	1.5		d ₁₂ -Perylene	83.6		
Indeno(1,2,3-cd)Pyrene	1.79		J B	¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	71.1		
Dibenzo(a,h)Anthracene	ND	2.61		¹³ C ₆ -Dibenzo(ah)Anthracene	68.5	V	
Benzo(ghi)Perylene	8.11		B	¹³ C ₁₂ -Benzo(ghi)Perylene	73.1		
<div><div><div>SGS</div></div><div>5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com</div></div>				Filter Standard (FS)			
				d ₁₀ -Anthracene	38.9	V	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	92.5		
	d ₁₄ -Terphenyl	81.9					


Sample ID:		Test #4 Mill on		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_004-D10	Date Extracted:	09-Sep-24
Date Collected:	15-Aug-24			QC Batch No.:	21458	Date Analyzed:	01-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	54200		E S	¹³ C ₆ -Naphthalene	52.3	V	
2-Methylnaphthalene	20700		E	¹³ C ₆ -2-Methylnaphthalene	49	V	
Acenaphthylene	585		E	¹³ C ₆ -Acenaphthylene	46.7	V	
Acenaphthene	267			¹³ C ₆ -Acenaphthene	48.7	V	
Fluorene	319			¹³ C ₆ -Fluorene	47	V	
Phenanthrene	282		B	¹³ C ₆ -Phenanthrene	56.1	V	
Anthracene	26.3			¹³ C ₆ -Anthracene	50.4	V	
Fluoranthene	61.4		B	¹³ C ₆ -Fluoranthene	66.9	V	
Pyrene	46.7		B	¹³ C ₃ -Pyrene	68.2	V	
Benzo(a)Anthracene	1.97		J	¹³ C ₆ -Benzo(a)Anthracene	61.6	V	
Chrysene	3.9		J B	¹³ C ₆ -Chrysene	60.7	V	
Benzo(b)Fluoranthene	4.94			¹³ C ₆ -Benzo(b)Fluoranthene	83.7		
Benzo(k)Fluoranthene	ND	1.69		¹³ C ₆ -Benzo(k)Fluoranthene	86.2		
Benzo(e)Pyrene	6.43			¹³ C ₄ -Benzo(e)Pyrene	89.4		
Benzo(a)Pyrene	1.99		J B	¹³ C ₄ -Benzo(a)Pyrene	79		
Perylene	ND	2.5		d ₁₂ -Perylene	77.9		
Indeno(1,2,3-cd)Pyrene	ND	2.78		¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	72		
Dibenzo(a,h)Anthracene	ND	3.05		¹³ C ₆ -Dibenzo(ah)Anthracene	71.1		
Benzo(ghi)Perylene	7.97		B	¹³ C ₁₂ -Benzo(ghi)Perylene	73.9		
<div><div><div>SGS</div></div><div>5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com</div></div>				Filter Standard (FS)			
				d ₁₀ -Anthracene	43.8	V	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	102		
	d ₁₄ -Terphenyl	84.3					


Sample ID:		Test #1 Mill off		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_005-D10	Date Extracted:	09-Sep-24
Date Collected:	13-Aug-24			QC Batch No.:	21458	Date Analyzed:	01-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	48700		E S	¹³ C ₆ -Naphthalene	57.2	V	
2-Methylnaphthalene	45900		E S	¹³ C ₆ -2-Methylnaphthalene	53.7	V	
Acenaphthylene	6800		E	¹³ C ₆ -Acenaphthylene	43	V	
Acenaphthene	1460		E	¹³ C ₆ -Acenaphthene	47.5	V	
Fluorene	7330		E	¹³ C ₆ -Fluorene	45.1	V	
Phenanthrene	19400		E S	¹³ C ₆ -Phenanthrene	53.1	V	
Anthracene	809		E	¹³ C ₆ -Anthracene	42.9	V	
Fluoranthene	560		E	¹³ C ₆ -Fluoranthene	70.8		
Pyrene	259			¹³ C ₃ -Pyrene	70.7		
Benzo(a)Anthracene	4.17			¹³ C ₆ -Benzo(a)Anthracene	60.3	V	
Chrysene	7.72			¹³ C ₆ -Chrysene	61.9	V	
Benzo(b)Fluoranthene	5.7			¹³ C ₆ -Benzo(b)Fluoranthene	92.8		
Benzo(k)Fluoranthene	1.69		J	¹³ C ₆ -Benzo(k)Fluoranthene	88.7		
Benzo(e)Pyrene	6.91			¹³ C ₄ -Benzo(e)Pyrene	95.8		
Benzo(a)Pyrene	2.76		J B	¹³ C ₄ -Benzo(a)Pyrene	84.7		
Perylene	ND	2.11		d ₁₂ -Perylene	90.5		
Indeno(1,2,3-cd)Pyrene	ND	3.34		¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	76.5		
Dibenzo(a,h)Anthracene	ND	2.93		¹³ C ₆ -Dibenzo(ah)Anthracene	77.7		
Benzo(ghi)Perylene	6.3		B	¹³ C ₁₂ -Benzo(ghi)Perylene	85.5		
<div><div><div>SGS</div></div><div>5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com</div></div>				Filter Standard (FS)			
				d ₁₀ -Anthracene	42	V	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	104		
d ₁₄ -Terphenyl	83.2						

Sample ID:		Test #2 Mill off		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_006-D10	Date Extracted:	09-Sep-24
Date Collected:	14-Aug-24			QC Batch No.:	21458	Date Analyzed:	01-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	65100		E S	¹³ C ₆ -Naphthalene	65.8	V	
2-Methylnaphthalene	65800		E S	¹³ C ₆ -2-Methylnaphthalene	56.1	V	
Acenaphthylene	7020		E	¹³ C ₆ -Acenaphthylene	41.5	V	
Acenaphthene	1660		E	¹³ C ₆ -Acenaphthene	43.4	V	
Fluorene	8430		E	¹³ C ₆ -Fluorene	43.6	V	
Phenanthrene	26600		E S	¹³ C ₆ -Phenanthrene	57.9	V	
Anthracene	930		E	¹³ C ₆ -Anthracene	47	V	
Fluoranthene	771		E	¹³ C ₆ -Fluoranthene	60.3	V	
Pyrene	342			¹³ C ₃ -Pyrene	60.8	V	
Benzo(a)Anthracene	5.94			¹³ C ₆ -Benzo(a)Anthracene	56.1	V	
Chrysene	12.5			¹³ C ₆ -Chrysene	53.4	V	
Benzo(b)Fluoranthene	22.4			¹³ C ₆ -Benzo(b)Fluoranthene	72		
Benzo(k)Fluoranthene	6.61			¹³ C ₆ -Benzo(k)Fluoranthene	78.7		
Benzo(e)Pyrene	78.4			¹³ C ₄ -Benzo(e)Pyrene	78		
Benzo(a)Pyrene	5.8			¹³ C ₄ -Benzo(a)Pyrene	63.5	V	
Perylene	ND	3.01		d ₁₂ -Perylene	69.6	V	
Indeno(1,2,3-cd)Pyrene	24.6			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	68.8	V	
Dibenzo(a,h)Anthracene	ND	4.16		¹³ C ₆ -Dibenzo(ah)Anthracene	59.3	V	
Benzo(ghi)Perylene	129			¹³ C ₁₂ -Benzo(ghi)Perylene	71.7		
<div><div><div>SGS</div></div><div>5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com</div></div>				Filter Standard (FS)			
				d ₁₀ -Anthracene	46.3	V	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	95.9		
d ₁₄ -Terphenyl	80.1						

Sample ID:		Test #3 Mill off		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_007-D10	Date Extracted:	09-Sep-24
Date Collected:	15-Aug-24			QC Batch No.:	21458	Date Analyzed:	01-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	42800		E S	¹³ C ₆ -Naphthalene	62.6	V	
2-Methylnaphthalene	37800		E S	¹³ C ₆ -2-Methylnaphthalene	59.6	V	
Acenaphthylene	6440		E	¹³ C ₆ -Acenaphthylene	42.9	V	
Acenaphthene	1310		E	¹³ C ₆ -Acenaphthene	46	V	
Fluorene	3330		E	¹³ C ₆ -Fluorene	45.1	V	
Phenanthrene	11100		E	¹³ C ₆ -Phenanthrene	50.3	V	
Anthracene	304			¹³ C ₆ -Anthracene	43.3	V	
Fluoranthene	230			¹³ C ₆ -Fluoranthene	63	V	
Pyrene	136		B	¹³ C ₃ -Pyrene	61.5	V	
Benzo(a)Anthracene	3.01		J	¹³ C ₆ -Benzo(a)Anthracene	63.5	V	
Chrysene	7.87			¹³ C ₆ -Chrysene	63	V	
Benzo(b)Fluoranthene	7.44			¹³ C ₆ -Benzo(b)Fluoranthene	75.4		
Benzo(k)Fluoranthene	2.5		J	¹³ C ₆ -Benzo(k)Fluoranthene	78.2		
Benzo(e)Pyrene	15.3			¹³ C ₄ -Benzo(e)Pyrene	82.3		
Benzo(a)Pyrene	3.04		J	¹³ C ₄ -Benzo(a)Pyrene	75.8		
Perylene	ND	1.23		d ₁₂ -Perylene	76.7		
Indeno(1,2,3-cd)Pyrene	6.17			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	75.2		
Dibenzo(a,h)Anthracene	ND	1.71		¹³ C ₆ -Dibenzo(ah)Anthracene	76.2		
Benzo(ghi)Perylene	26.9			¹³ C ₁₂ -Benzo(ghi)Perylene	80.6		
<div><div><div>SGS</div></div><div>5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com</div></div>				Filter Standard (FS)			
				d ₁₀ -Anthracene	44.4	V	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	98.1		
	d ₁₄ -Terphenyl	81.4					

Sample ID:		Field Blank		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-24
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	B9847_21458_PAH_008-AR1	Date Extracted:	09-Aug-24
Date Collected:	15-Aug-24			QC Batch No.:	21458	Date Analyzed:	18-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	681		B E	¹³ C ₆ -Naphthalene	42.1		
2-Methylnaphthalene	170		B	¹³ C ₆ -2-Methylnaphthalene	51.5		
Acenaphthylene	2.99		J B	¹³ C ₆ -Acenaphthylene	54.2		
Acenaphthene	21		B	¹³ C ₆ -Acenaphthene	60.3		
Fluorene	23.3		B	¹³ C ₆ -Fluorene	78.8		
Phenanthrene	75		B	¹³ C ₆ -Phenanthrene	111		
Anthracene	3.3		J B	¹³ C ₆ -Anthracene	134		
Fluoranthene	15.5		B	¹³ C ₆ -Fluoranthene	95.6		
Pyrene	18.5		B	¹³ C ₃ -Pyrene	98.3		
Benzo(a)Anthracene	0.609		J B	¹³ C ₆ -Benzo(a)Anthracene	105		
Chrysene	1.2		J B	¹³ C ₆ -Chrysene	94.2		
Benzo(b)Fluoranthene	0.865		J B	¹³ C ₆ -Benzo(b)Fluoranthene	111		
Benzo(k)Fluoranthene	0.205		J B	¹³ C ₆ -Benzo(k)Fluoranthene	99.9		
Benzo(e)Pyrene	1.02		J B	¹³ C ₄ -Benzo(e)Pyrene	95.8		
Benzo(a)Pyrene	0.656		J B	¹³ C ₄ -Benzo(a)Pyrene	99.1		
Perylene	ND	0.131		d ₁₂ -Perylene	84.9		
Indeno(1,2,3-cd)Pyrene	0.487		J B	¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	103		
Dibenzo(a,h)Anthracene	0.214		J B	¹³ C ₆ -Dibenzo(ah)Anthracene	104		
Benzo(ghi)Perylene	1.42		J B	¹³ C ₁₂ -Benzo(ghi)Perylene	93.6		
<div><div><div>SGS</div></div><div><div>5500 Business Drive</div><div>Wilmington, NC 28405, USA</div><div>Tel: 910 794-1613</div><div>www.us.sgs.com</div></div></div>				Alternate Standard (AS)			
				d ₁₀ -Anthracene	121		
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	92.8		
				d ₁₄ -Terphenyl	115		

Sample ID:		Method Blank B9847_21458		Method AP-CM/GC-HRMS(PAH)		
Client Data		Sample Data		Laboratory Data		
Name: Mostardi-Platt		Matrix: Air		Project No.: B9847	Date Received: n/a	
Project ID: M243309		Weight/Volume: 1.00 Train		Sample ID: MB1_21458_PAH_SDS	Date Extracted: 09-Sep-24	
Date Collected: n/a				QC Batch No.: 21458	Date Analyzed: 30-Sep-24	
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.
	ng/Train	ng/Train			%	
Naphthalene	600		E	¹³ C ₆ -Naphthalene	37.5	V
2-Methylnaphthalene	166			¹³ C ₆ -2-Methylnaphthalene	45.6	V
Acenaphthylene	2.78		J	¹³ C ₆ -Acenaphthylene	42.9	V
Acenaphthene	17			¹³ C ₆ -Acenaphthene	48.4	V
Fluorene	21.6			¹³ C ₆ -Fluorene	53.7	V
Phenanthrene	62.8			¹³ C ₆ -Phenanthrene	67.9	V
Anthracene	1.4		J	¹³ C ₆ -Anthracene	64.6	V
Fluoranthene	14.6			¹³ C ₆ -Fluoranthene	63.1	V
Pyrene	14			¹³ C ₃ -Pyrene	64.7	V
Benzo(a)Anthracene	0.124		J	¹³ C ₆ -Benzo(a)Anthracene	74.7	
Chrysene	0.505		J	¹³ C ₆ -Chrysene	80.7	
Benzo(b)Fluoranthene	0.411		J	¹³ C ₆ -Benzo(b)Fluoranthene	69.3	V
Benzo(k)Fluoranthene	0.147		J	¹³ C ₆ -Benzo(k)Fluoranthene	74.2	
Benzo(e)Pyrene	0.413		J	¹³ C ₄ -Benzo(e)Pyrene	75.1	
Benzo(a)Pyrene	0.281		J	¹³ C ₄ -Benzo(a)Pyrene	71.1	
Perylene	0.116		J	d ₁₂ -Perylene	71.4	
Indeno(1,2,3-cd)Pyrene	0.294		J	¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	74.1	
Dibenzo(a,h)Anthracene	0.0973		J	¹³ C ₆ -Dibenzo(ah)Anthracene	76.4	
Benzo(ghi)Perylene	0.928		J	¹³ C ₁₂ -Benzo(ghi)Perylene	74.4	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com </div>				Filter Standard (FS)		
				d ₁₀ -Anthracene	68.8	V
				Sampling Standards (SS)		
				d ₁₀ -Fluorene	105	
				d ₁₄ -Terphenyl	114	

Sample ID:		Method Blank B9847_21458-AR1		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	n/a
Project ID:	M243309	Weight/Volume:	1.00 Train	Sample ID:	MB1_21458-AR1_PAH_SDS	Date Extracted:	09-Sep-24
Date Collected:	n/a			QC Batch No.:	21458-AR1	Date Analyzed:	18-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	539		E	¹³ C ₆ -Naphthalene	53.6		
2-Methylnaphthalene	144			¹³ C ₆ -2-Methylnaphthalene	64.1		
Acenaphthylene	1.98		J	¹³ C ₆ -Acenaphthylene	59.9		
Acenaphthene	20.5			¹³ C ₆ -Acenaphthene	69.2		
Fluorene	21.9			¹³ C ₆ -Fluorene	84.1		
Phenanthrene	64.3			¹³ C ₆ -Phenanthrene	115		
Anthracene	2.7		J	¹³ C ₆ -Anthracene	141		
Fluoranthene	16.5			¹³ C ₆ -Fluoranthene	86.2		
Pyrene	16.8			¹³ C ₃ -Pyrene	88.4		
Benzo(a)Anthracene	0.161		J	¹³ C ₆ -Benzo(a)Anthracene	93.4		
Chrysene	0.559		J	¹³ C ₆ -Chrysene	86.2		
Benzo(b)Fluoranthene	0.442		J	¹³ C ₆ -Benzo(b)Fluoranthene	111		
Benzo(k)Fluoranthene	0.172		J	¹³ C ₆ -Benzo(k)Fluoranthene	95.9		
Benzo(e)Pyrene	0.477		J	¹³ C ₄ -Benzo(e)Pyrene	97.1		
Benzo(a)Pyrene	0.31		J	¹³ C ₄ -Benzo(a)Pyrene	91.2		
Perylene	0.193		J	d ₁₂ -Perylene	69.9		
Indeno(1,2,3-cd)Pyrene	0.394		J	¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	99.2		
Dibenzo(a,h)Anthracene	0.251		J	¹³ C ₆ -Dibenzo(ah)Anthracene	94.7		
Benzo(ghi)Perylene	1.04		J	¹³ C ₁₂ -Benzo(ghi)Perylene	91.1		
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com </div>				Alternate Standard (AS)			
				d ₁₀ -Anthracene		134	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene		98.3	
d ₁₄ -Terphenyl		131					



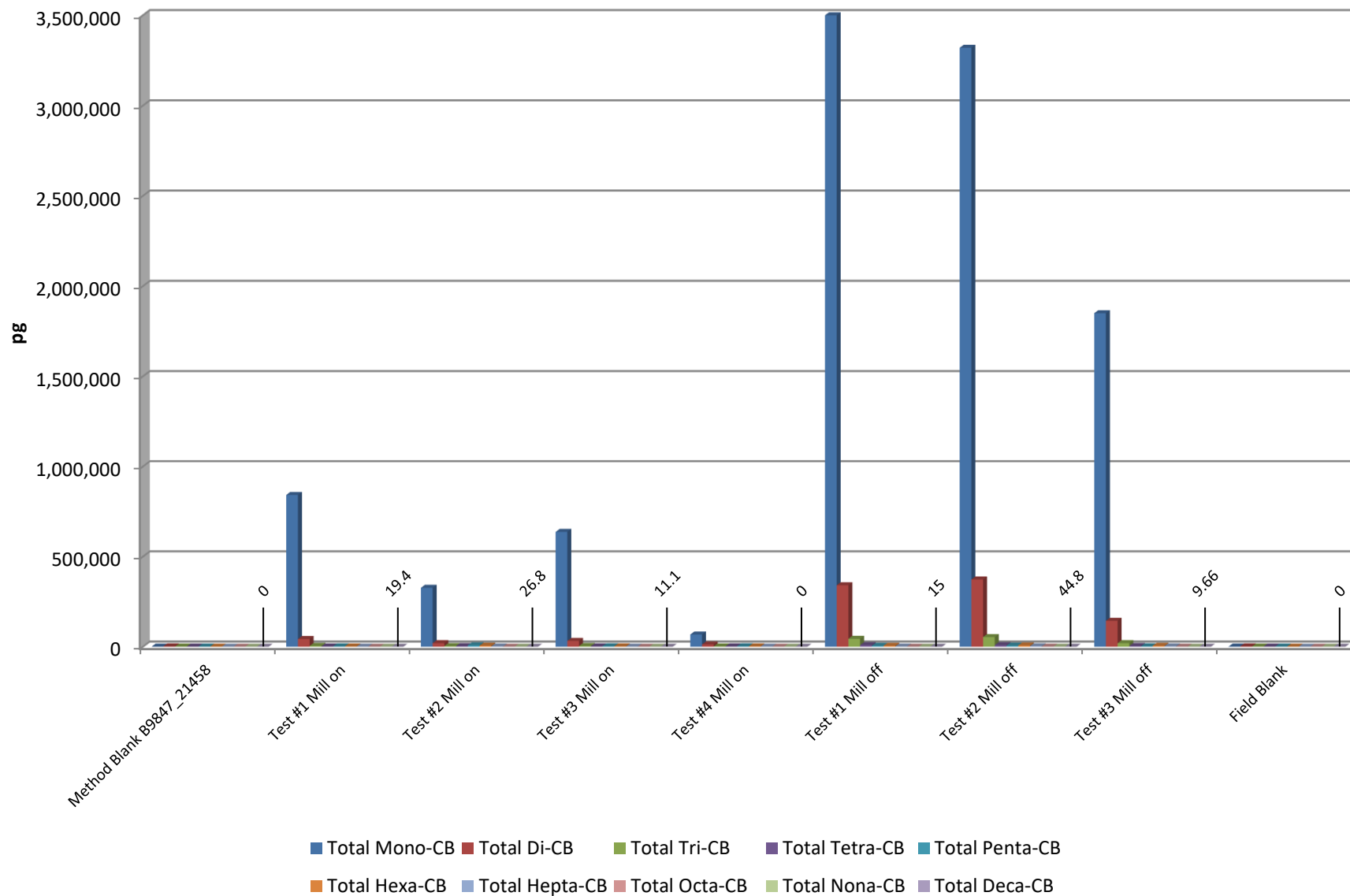
PCB Report							Method 1668C		
Analyte	Method Blank B9847_21458	Test #1 Mill on	Test #2 Mill on	Test #3 Mill on	Test #4 Mill on	Test #1 Mill off	Test #2 Mill off	Test #3 Mill off	Field Blank
	pg	pg	pg	pg	pg	pg	pg	pg	pg
PCB-77	(5.77)	[29.2]	44	21.3	21.9	127	189	45.6	5.43
PCB-81	(5.4)	(6.77)	(8.03)	(5.95)	(6.08)	23.7	34.6	[7.76]	(6.15)
PCB-105	[24.6]	67.6	201	90.5	86.5	182	203	117	[32.3]
PCB-114	(4.49)	(7.02)	(10.8)	[5.41]	6.84	12.3	[18.8]	(11.9)	[3.83]
PCB-118	81.1	191	635	242	242	599	620	372	97.4
PCB-123	[3.04]	(6.87)	[12.1]	(4.09)	4.82	18.7	(18.8)	(12.4)	(4.92)
PCB-126	(5.65)	(4.39)	(7.77)	4.79	(5.14)	[8.02]	(12.4)	(6.84)	(6.68)
PCB-156/157	[8.12]	[18.7]	35.4	21.1	[19]	33	61.1	45.3	[9.56]
PCB-167	[4.71]	(5.06)	17.7	8.3	[7.05]	19.3	29.9	23.5	(4.46)
PCB-169	6.57	(6.34)	(6.1)	(6.16)	(4.77)	(5.47)	[13.4]	[5.36]	(5.33)
PCB-189	[3.29]	(3.74)	6.11	(6.17)	(6.26)	(5.17)	(7.13)	[5.93]	(5.31)
Total Mono-CB	267	842,000	327,000	637,000	67,600	3,500,000	3,320,000	1,850,000	1,040
Total Di-CB	2,060	43,200	19,900	32,400	12,500	341,000	373,000	144,000	2,310
Total Tri-CB	895	4,560	3,450	4,000	1,780	44,100	53,600	19,900	944
Total Tetra-CB	1,060	1,730	3,850	1,990	1,960	8,890	8,860	4,430	1,150
Total Penta-CB	883	2,040	8,010	2,790	2,760	5,430	6,380	2,510	983
Total Hexa-CB	439	1,750	5,560	1,910	2,150	5,420	7,190	5,400	543
Total Hepta-CB	135	675	1,600	515	659	986	2,640	2,280	35.9
Total Octa-CB	5.17	92.2	141	30.7	105	211	246	415	5.25
Total Nona-CB	(8.64)	[21.6]	25.1	(8.91)	(9.38)	[22.2]	50.6	23.9	(11.9)
Total Deca-CB	(8.04)	19.4	[26.8]	[11.1]	(8.11)	15	44.8	9.66	(9.84)
TEQs (WHO 2005 M/H)									
ND = 0; EMPC = 0	0.2	0.00776	0.0313	0.492	0.0124	0.0457	0.0567	0.0213	0.00347
ND = 0; EMPC = EMPC	0.201	0.0112	0.0316	0.492	0.0132	0.848	0.459	0.185	0.00484
ND = DL/2; EMPC = 0	0.483	0.324	0.513	0.586	0.342	0.513	0.8	0.44	0.419
ND = DL/2; EMPC = EMPC	0.484	0.327	0.513	0.586	0.343	0.93	1.08	0.527	0.42
ND = DL; EMPC = 0	0.767	0.641	0.994	0.679	0.672	0.98	1.54	0.859	0.834
ND = DL; EMPC = EMPC	0.768	0.643	0.994	0.679	0.672	1.01	1.7	0.869	0.835
Checkcode	801-948-TMN/C	889-250-WGP/C	046-560-QWL/C	160-397-NQY/C	186-417-HCB/C	442-377-SYS/C	147-850-RQH/C	911-724-SLM/C	032-384-KQW/C
Lab ID	MB1_21458_PCB_SDS	B9847_21458_PCB_001	B9847_21458_PCB_002	B9847_21458_PCB_003	B9847_21458_PCB_004	B9847_21458_PCB_005	B9847_21458_PCB_006	B9847_21458_PCB_007	B9847_21458_PCB_008
Weight/Volume	1	1	1	1	1	1	1	1	1

() = DL
[] = EMPC

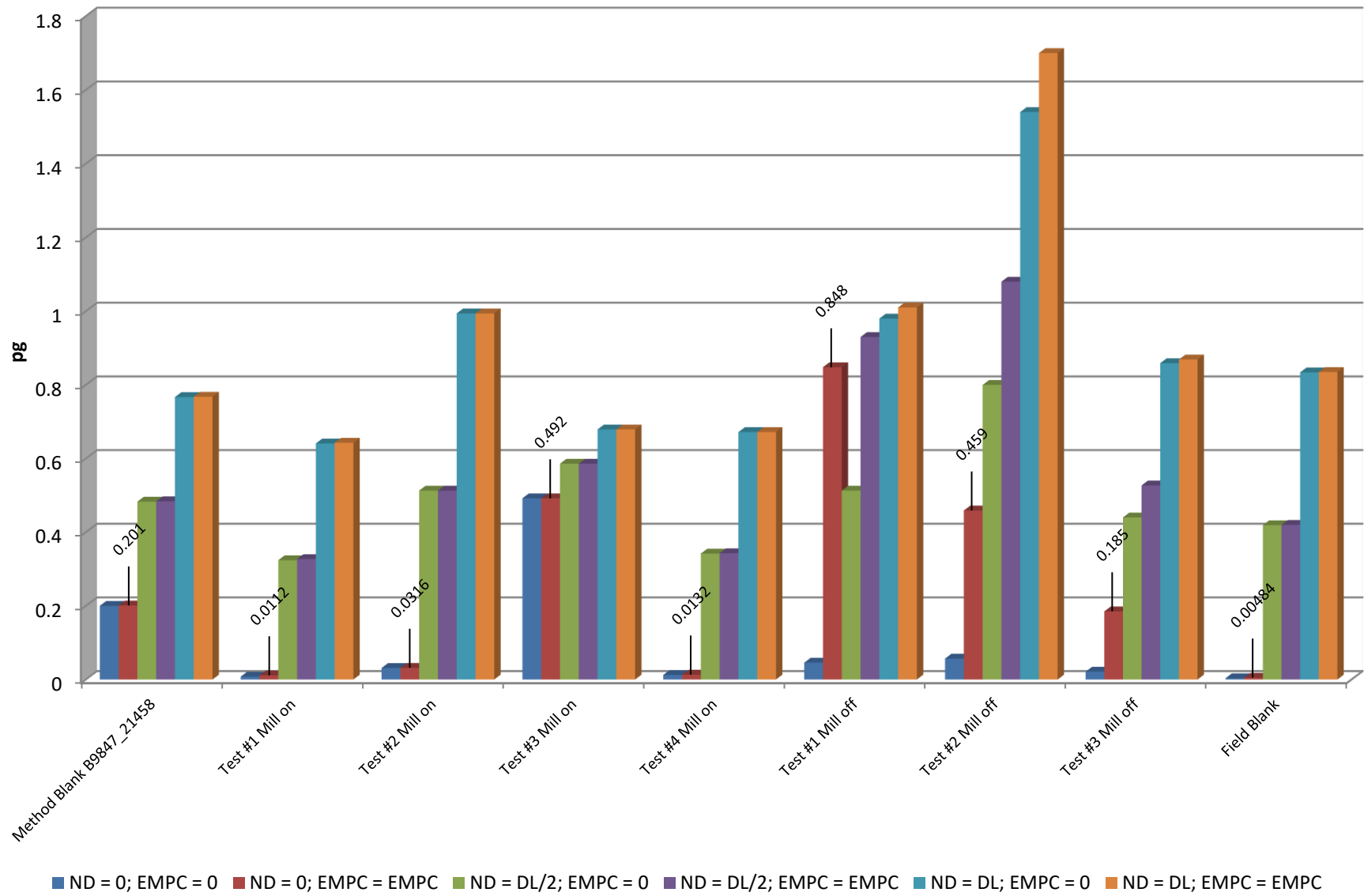


PCB Recoveries									Method 1668C
Standard	Method Blank B9847_21458	Test #1 Mill on	Test #2 Mill on	Test #3 Mill on	Test #4 Mill on	Test #1 Mill off	Test #2 Mill off	Test #3 Mill off	Field Blank
ES PCB-1	41	12.9	10.3	10.9	21.1	24.4	27.6	25.5	17.3
ES PCB-3	44.2	35.6	37.2	35.3	46.7	35.9	46	41.4	37.8
ES PCB-4	47.9	29.6	35.4	27.4	46.1	28.7	34.2	34.9	45.5
ES PCB-15	57.8	22.6	20.3	25.4	26	35.3	44.1	43.8	72.6
ES PCB-19	55.7	37.4	40.7	39.7	49	44.1	52.6	52.4	65.1
ES PCB-37	50.1	30.1	30	30	43.6	35.4	39.6	42	60.2
ES PCB-54	49.1	18.8	22.1	18.1	23.7	16.2	17.6	13.7	41.1
ES PCB-77	48	74.5	53	69.5	58.4	111	128	125	57.3
ES PCB-81	48.3	71.1	51.4	66.2	57.2	99.7	116	115	57.3
ES PCB-104	62.3	42.9	48.5	39.7	52	38.2	40.1	41.5	73.9
ES PCB-105	57.2	65.9	54.2	60.8	58.5	98.1	112	113	67.2
ES PCB-114	53.7	62.5	51.1	57.7	56.9	94.7	106	108	67.4
ES PCB-118	60	67.2	57.8	60.6	59.8	99.4	112	112	70.7
ES PCB-123	58.6	64	55.3	60.5	61	96	106	110	70.1
ES PCB-126	45.1	54.7	44.2	48.4	47.8	82.1	91.6	96.3	52.3
ES PCB-153	70.1	69.8	66.1	65.2	71.8	74.9	87.7	88.7	85.9
ES PCB-155	72.8	59.3	60.1	56.3	66.7	44.7	56.5	57.7	91.1
ES PCB-156/157	50.1	51.3	43.4	43.9	50.5	49.4	60.3	66.6	61.5
ES PCB-167	50.2	53.2	52.1	48	54.2	57.9	69.1	72.2	63.1
ES PCB-169	42.8	46.8	40.6	40.4	45.3	47.4	54	60.1	53.5
ES PCB-170	106	109	106	102	109	121	137	145	130
ES PCB-180	110	115	114	104	118	124	144	152	135
ES PCB-188	67.7	68.8	65.1	63.3	68.8	67.1	74.7	69.3	79.9
ES PCB-189	73.8	76.7	74.3	70	75.6	83.1	94.5	101	91
ES PCB-202	60.8	65.6	60.8	58.3	64.1	66.2	76.8	77.1	69.6
ES PCB-205	72.5	76.3	74.8	66.9	75	81	89.1	95.8	85.6
ES PCB-206	75.8	81.1	76.6	71.1	77.3	81.6	90.8	96.4	87.3
ES PCB-208	93.6	96.3	90.3	86.8	97.2	101	119	119	110
ES PCB-209	67.9	72	68	61.7	69.2	68	77.2	80.8	76.4
Checkcode	801-948-TMN/C	889-250-WGP/C	046-560-QWL/C	160-397-NQY/C	186-417-HCB/C	442-377-SYS/C	147-850-RQH/C	911-724-SLM/C	032-384-KQW/C
Lab ID	MB1_21458_PCB_SDS	B9847_21458_PCB_001	B9847_21458_PCB_002	B9847_21458_PCB_003	B9847_21458_PCB_004	B9847_21458_PCB_005	B9847_21458_PCB_006	B9847_21458_PCB_007	B9847_21458_PCB_008
Weight/Volume	1	1	1	1	1	1	1	1	1

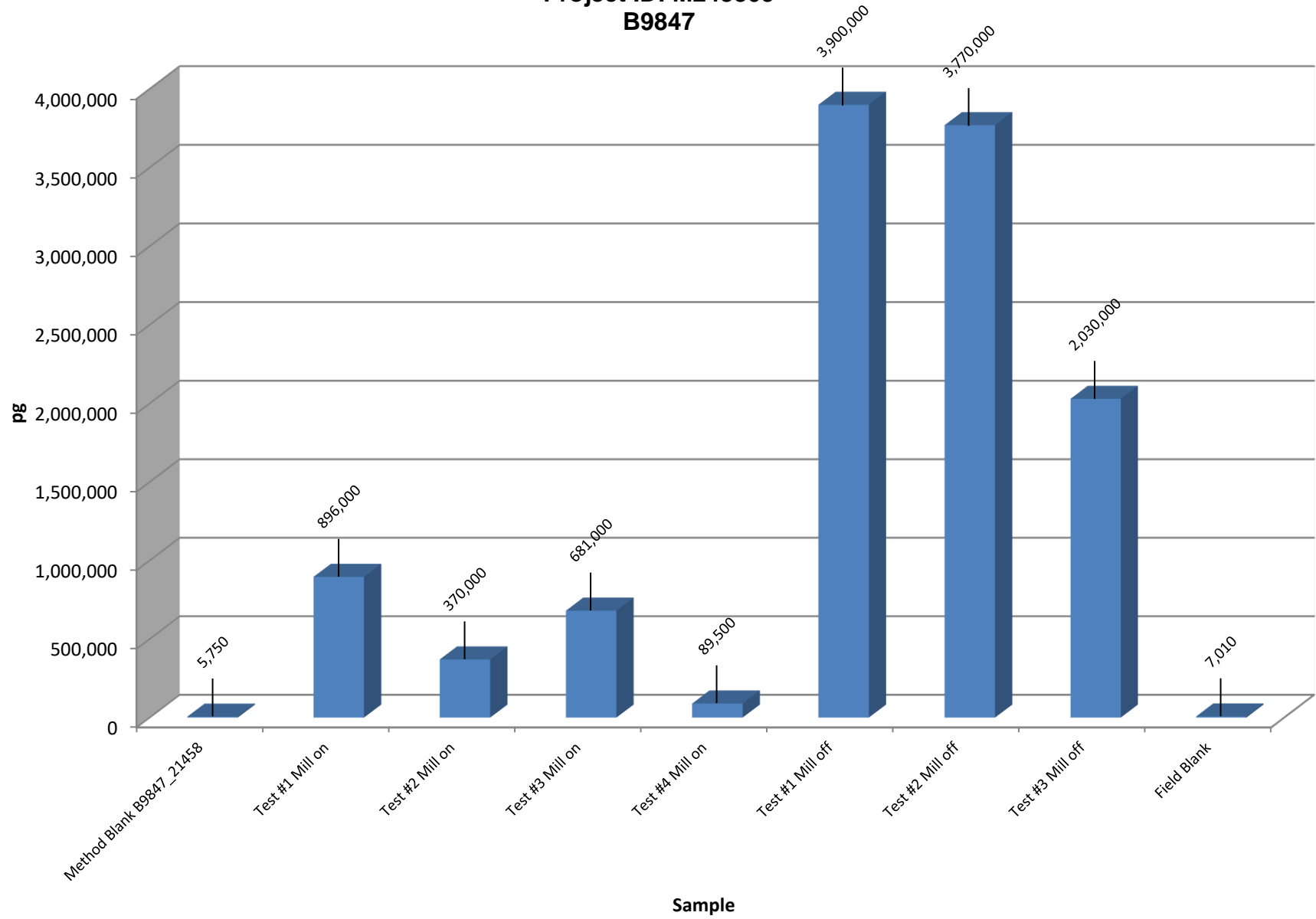
PCB Homologues
Project ID: M243309
B9847



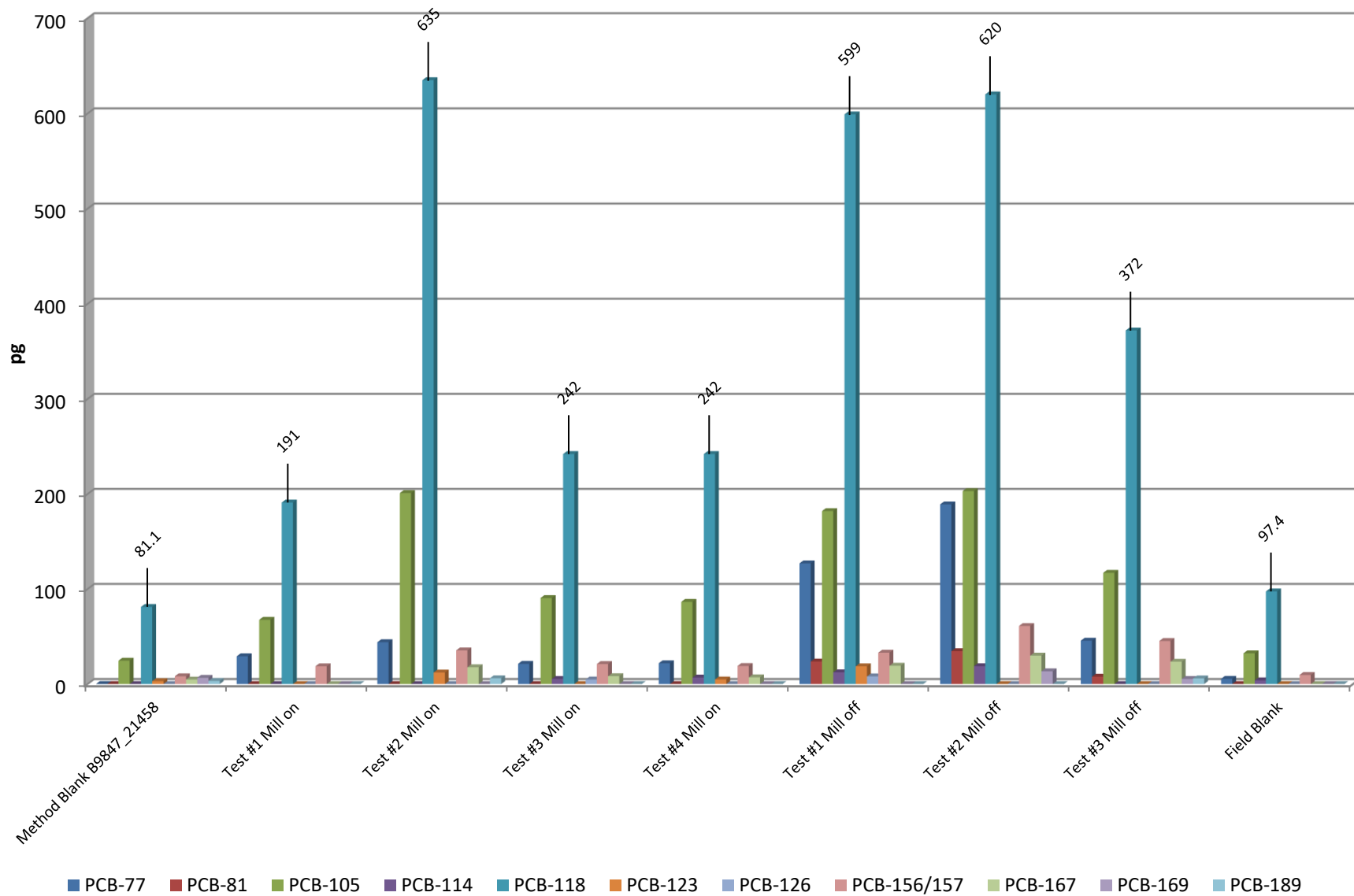
PCB TEQ
Project ID: M243309
B9847



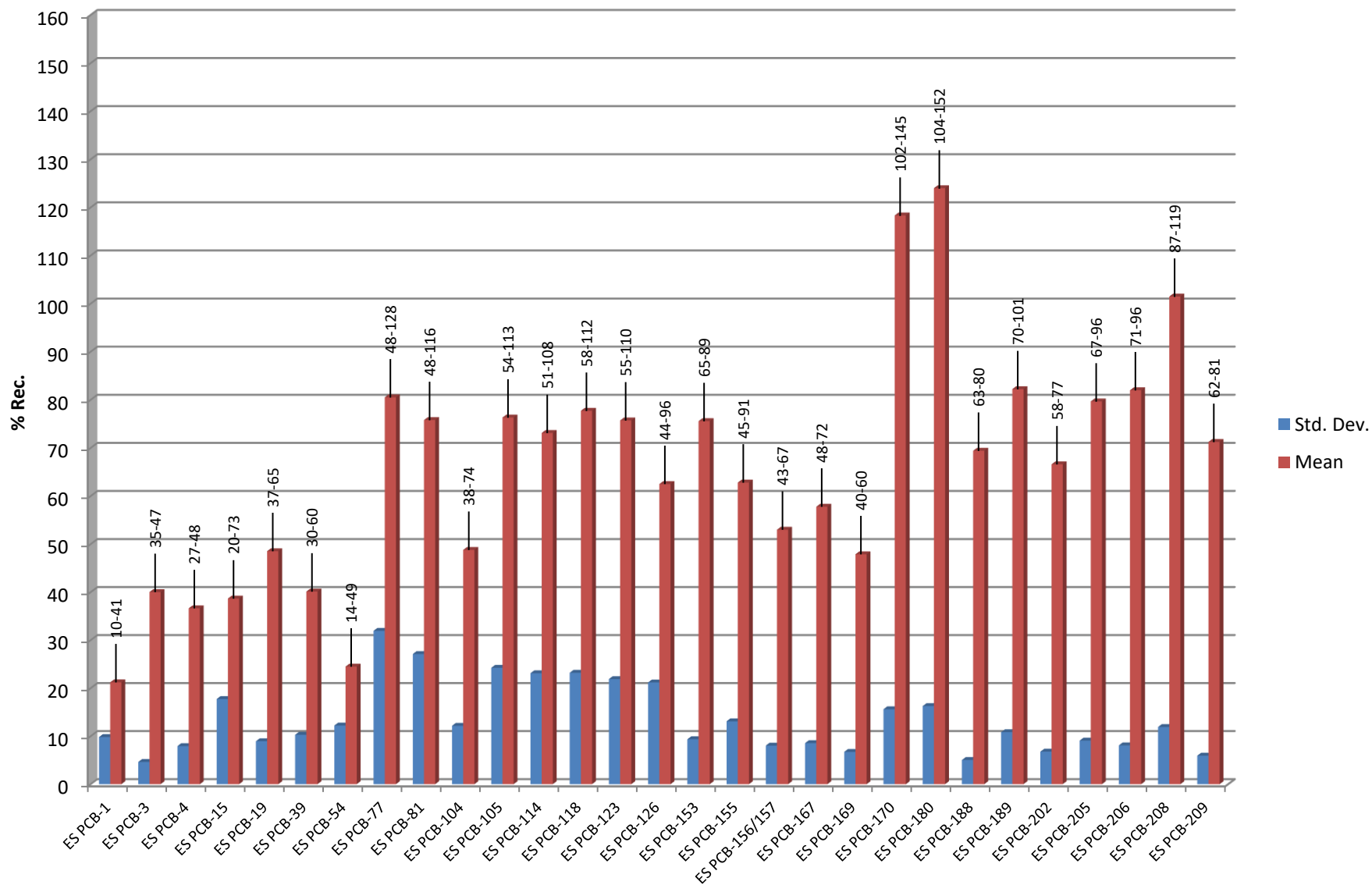
Total PCBs
Project ID: M243309
B9847



PCB WHO
Project ID: M243309
B9847



Mean Recoveries of Extraction Standards (N=9)
Project ID: M243309
B9847





Sample ID: Test #1 Mill on


Client Data		Sample Data		Laboratory Data					
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024		
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_001	Date Extracted:	09-Sep-2024		
Date Collected:	13-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024		
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery	
	pg	pg	pg			%		%	
PCB-77 33'44'-TeCB	EMPC		29.2		ES PCB-1	12.9			
PCB-81 344'5'-TeCB	ND	6.77			ES PCB-3	35.6			
PCB-105 233'44'-PeCB	67.6			B	ES PCB-4	29.6			
PCB-114 2344'5'-PeCB	ND	7.02			ES PCB-15	22.6			
PCB-118 23'44'5'-PeCB	191			B	ES PCB-19	37.4			
PCB-123 23'44'5'-PeCB	ND	6.87			ES PCB-37	30.1			
PCB-126 33'44'5'-PeCB	ND	4.39			ES PCB-54	18.8	AS PCB-32	59.1	
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		18.7	J B C	ES PCB-77	74.5	AS PCB-97	73.3	
PCB-167 23'44'55'-HxCB	ND	5.06			ES PCB-81	71.1	AS PCB-159	81	
PCB-169 33'44'55'-HxCB	ND	6.34			ES PCB-104	42.9			
PCB-189 233'44'55'-HpCB	ND	3.74			ES PCB-105	65.9			
					ES PCB-114	62.5			
TEQs (WHO 2005 M/H)					ES PCB-118	67.2			
					ES PCB-123	64			
ND = 0	0.00776		0.0112		ES PCB-126	54.7			
ND = 0.5 x DL	0.324		0.327		ES PCB-153	69.8			
ND = DL	0.641		0.643		ES PCB-155	59.3			
					ES PCB-156/157	51.3			
Totals					ES PCB-167	53.2			
Mono-CB	842,000			E	ES PCB-169	46.8			
Di-CB	43,200		44,600		ES PCB-170	109			
Tri-CB	4,560		4,830		ES PCB-180	115			
Tetra-CB	1,730		1,800		ES PCB-188	68.8			
Penta-CB	2,040		2,330		ES PCB-189	76.7			
Hexa-CB	1,750		1,790		ES PCB-202	65.6			
Hepta-CB	675		699		ES PCB-205	76.3			
Octa-CB	92.2		128		ES PCB-206	81.1			
Nona-CB			21.6		ES PCB-208	96.3			
Deca-CB	19.4			J	ES PCB-209	72			
					SS PCB-28	96.2			
Total PCB (Mono-Deca)	896,000		898,000	E	SS PCB-111	98.3			
					SS PCB-178	93.3			

Checkcode: 889-250-WGP/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:54 Analyst: JJ

Sample ID: Test #1 Mill on Method 1668C

Client Data			Sample Data			Laboratory Data					
Name:	Mostardi-Platt		Matrix:	Air		Project No.:	B9847		Date Received:	22-Aug-2024	
Project ID:	M243309		Weight/Volume:	1		Sample ID:	B9847_21458_PCB_001		Date Extracted:	09-Sep-2024	
Date Collected:	13-Aug-2024		Units	pg		QC Batch No.:	21458		Date Analyzed:	08-Oct-2024	
						Checkcode:	889-250-WGP/C		Time Analyzed:	07:16:05	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	324,000	E	PCB-19	[183]	B EMPC	PCB-54	(11.9)		PCB-72	(6.03)	
PCB-2	371,000	E	PCB-30/18	686	B C	PCB-50/53	35.4	J B C	PCB-68	(6.53)	
PCB-3	148,000	E	PCB-17	604	B	PCB-45	38.1	B	PCB-57	(6.33)	
			PCB-27	[87.8]	B EMPC	PCB-51	23.2	B	PCB-58	[2.85]	J EMPC
Conc.	842,000		PCB-24	33.7		PCB-46	6.97	J B	PCB-67	[7.31]	J EMPC
EMPC	842,000		PCB-16	229	B	PCB-52	411	B	PCB-63	[6.2]	J EMPC
			PCB-32	212	B	PCB-73	(2.29)		PCB-61/70/74/76	303	B C
Di	Conc.	Qualifiers	PCB-34	74.9		PCB-43	14.3	J B	PCB-66	123	B
PCB-4	1,680	B	PCB-23	29.2		PCB-69/49	131	B C	PCB-55	(5.81)	
PCB-10	432		PCB-26/29	311	B C	PCB-48	37.2	B	PCB-56	36.2	B
PCB-9	4,240		PCB-25	158	B	PCB-44/47/65	339	B C	PCB-60	34.2	B
PCB-7	3,460		PCB-31	513	B	PCB-59/62/75	[20.4]	J B EMPC C	PCB-80	(6.29)	
PCB-6	9,690		PCB-28/20	560	B C	PCB-42	41.3	B	PCB-79	[12.3]	J EMPC
PCB-5	[950]	EMPC	PCB-21/33	367	B C	PCB-41	15	J B	PCB-78	(6.93)	
PCB-8	3,280		PCB-22	173	B	PCB-71/40	90.2	B C	PCB-81	(6.77)	
PCB-14	3,860		PCB-36	71.2		PCB-64	45.7	B	PCB-77	[29.2]	EMPC
PCB-11	8,420	B	PCB-39	46.8							
PCB-13/12	8,180	C	PCB-38	180							
PCB-15	[423]	B EMPC	PCB-35	206							
			PCB-37	102	B						
Conc.	43,200		Conc.	4,560					Conc.	1,730	
EMPC	44,600		EMPC	4,830					EMPC	1,800	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com </div>											
						Totals		Conc.		EMPC	
						Mono-Tri		890,000		892,000	
						Tetra-Hexa		5,510		5,930	
						Hepta-Deca		787		868	
						Mono-Deca		896,000		898,000	

Sample ID: Test #1 Mill on Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(2.94)		PCB-109/119/86/97/125/87	267	B C	PCB-155	(2.29)		PCB-165	(2.58)	
PCB-96	[5.67]	J EMPC	PCB-117	[8.79]	J B EMPC	PCB-152	(2.22)		PCB-146	46.7	B
PCB-103	(8.67)		PCB-116/85	55.5	B C	PCB-150	(2.59)		PCB-161	(2.18)	
PCB-94	(10.3)		PCB-110	334	B	PCB-136	100	B	PCB-153/168	343	B C
PCB-95	368	B	PCB-115	[13.1]	J EMPC	PCB-145	(2.39)		PCB-141	96.9	B
PCB-100/93	(9.18)	C	PCB-82	[30.9]	B EMPC	PCB-148	(2.83)		PCB-130	18.9	J
PCB-102	13.1	J B	PCB-111	(6.92)		PCB-151/135	195	B C	PCB-137	13.2	J
PCB-98	(7.83)		PCB-120	(5.74)		PCB-154	5.17	J	PCB-164	20.4	
PCB-88	(9.58)		PCB-108/124	12.9	J C	PCB-144	28.9	B	PCB-163/138/129	315	B C
PCB-91	57.1	B	PCB-107	17.1	J B	PCB-147/149	389	B C	PCB-160	(2.6)	
PCB-84	[111]	B EMPC	PCB-123	(6.87)		PCB-134	[20.1]	B EMPC	PCB-158	29.9	B
PCB-89	(9.02)		PCB-106	(6.92)		PCB-143	(3.04)		PCB-128/166	28.4	J B C
PCB-121	(6.01)		PCB-118	191	B	PCB-139/140	(2.79)	C	PCB-159	(4.18)	
PCB-92	[80.6]	B EMPC	PCB-122	(8.87)		PCB-131	(3.21)		PCB-162	(5.01)	
PCB-113/90/101	504	B C	PCB-114	(7.02)		PCB-142	(3.3)		PCB-167	(5.06)	
PCB-83	[42.7]	B EMPC	PCB-105	67.6	B	PCB-132	117	B	PCB-156/157	[18.7]	J B EMPC C
PCB-99	150	B	PCB-127	(7.19)		PCB-133	[4.91]	J EMPC	PCB-169	(6.34)	
PCB-112	(5.79)		PCB-126	(4.39)							
			Conc.	2,040					Conc.	1,750	
			EMPC	2,330					EMPC	1,790	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(1.72)		PCB-174	91.6	B	PCB-202	14.1	J	PCB-208	[3.54]	J EMPC
PCB-179	73.8	B	PCB-177	41.3	B	PCB-201	9.89	J	PCB-207	[3.29]	J EMPC
PCB-184	(1.74)		PCB-181	(3.72)		PCB-204	[3.36]	J EMPC	PCB-206	[14.8]	J EMPC
PCB-176	21.9	B	PCB-171/173	22.3	J C	PCB-197	2.23	J			
PCB-186	(1.61)		PCB-172	[9.94]	J EMPC	PCB-200	6.16	J B	Conc.	0	
PCB-178	31.3	B	PCB-192	(3.15)		PCB-198/199	37.2	J B C	EMPC	21.6	
PCB-175	4.83	J	PCB-180/193	146	B C	PCB-196	[13.2]	J B EMPC			
PCB-187	127	B	PCB-191	(3.68)		PCB-203	22.7	B	Deca	Conc.	Qualifiers
PCB-182	(3.28)		PCB-170	42.6	B	PCB-195	[6.59]	J EMPC	PCB-209	19.4	J
PCB-183	62.8	B	PCB-190	10.1	J	PCB-194	[13]	J EMPC			
PCB-185	[13.5]	J EMPC	PCB-189	(3.74)		PCB-205	(3.11)				
			Conc.	675		Conc.	92.2				
			EMPC	699		EMPC	128				



Sample ID: Test #2 Mill on

Client Data		Sample Data		Laboratory Data					
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024		
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_002	Date Extracted:	09-Sep-2024		
Date Collected:	14-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024		
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery	
	pg	pg	pg			%		%	
PCB-77 33'44'-TeCB	44				ES PCB-1	10.3			
PCB-81 344'5'-TeCB	ND	8.03			ES PCB-3	37.2			
PCB-105 233'44'-PeCB	201			B	ES PCB-4	35.4			
PCB-114 2344'5'-PeCB	ND	10.8			ES PCB-15	20.3			
PCB-118 23'44'5'-PeCB	635			B	ES PCB-19	40.7			
PCB-123 23'44'5'-PeCB	EMPC		12.1	J B	ES PCB-37	30			
PCB-126 33'44'5'-PeCB	ND	7.77			ES PCB-54	22.1	AS PCB-32	55.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	35.4			J B C	ES PCB-77	53	AS PCB-97	57.7	
PCB-167 23'44'55'-HxCB	17.7			J B	ES PCB-81	51.4	AS PCB-159	81.2	
PCB-169 33'44'55'-HxCB	ND	6.1			ES PCB-104	48.5			
PCB-189 233'44'55'-HpCB	6.11			J B	ES PCB-105	54.2			
					ES PCB-114	51.1			
TEQs (WHO 2005 M/H)					ES PCB-118	57.8			
					ES PCB-123	55.3			
ND = 0	0.0313		0.0316		ES PCB-126	44.2			
ND = 0.5 x DL	0.513		0.513		ES PCB-153	66.1			
ND = DL	0.994		0.994		ES PCB-155	60.1			
					ES PCB-156/157	43.4			
Totals					ES PCB-167	52.1			
Mono-CB	327,000			E	ES PCB-169	40.6			
Di-CB	19,900				ES PCB-170	106			
Tri-CB	3,450		3,510		ES PCB-180	114			
Tetra-CB	3,850		3,930		ES PCB-188	65.1			
Penta-CB	8,010		8,110		ES PCB-189	74.3			
Hexa-CB	5,560		5,810		ES PCB-202	60.8			
Hepta-CB	1,600		1,640		ES PCB-205	74.8			
Octa-CB	141		217		ES PCB-206	76.6			
Nona-CB	25.1		32.7		ES PCB-208	90.3			
Deca-CB			26.8		ES PCB-209	68			
					SS PCB-28	99.8			
Total PCB (Mono-Deca)	370,000		370,000	E	SS PCB-111	93.6			
					SS PCB-178	93.3			


Checkcode: 046-560-QWL/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:54 Analyst: JJ

Sample ID: Test #2 Mill on

Method 1668C

Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9847			Date Received: 22-Aug-2024		
Project ID: M243309			Weight/Volume: 1			Sample ID: B9847_21458_PCB_002			Date Extracted: 09-Sep-2024		
Date Collected: 14-Aug-2024			Units: pg			QC Batch No.: 21458			Date Analyzed: 08-Oct-2024		
						Checkcode: 046-560-QWL/C			Time Analyzed: 08:14:47		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	150,000	E	PCB-19	125	B	PCB-54	(6.18)		PCB-72	8.36	J
PCB-2	131,000	E	PCB-30/18	453	B C	PCB-50/53	51.8	B C	PCB-68	23.9	B
PCB-3	45,800		PCB-17	375	B	PCB-45	[28.8]	B EMPC	PCB-57	5.43	J
			PCB-27	64.8	B	PCB-51	52.7	B	PCB-58	(6.79)	
Conc.	327,000		PCB-24	18.1	J	PCB-46	12.4	J B	PCB-67	13.5	J
EMPC	327,000		PCB-16	151	B	PCB-52	814	B	PCB-63	[17.3]	J EMPC
			PCB-32	178	B	PCB-73	[2.2]	J EMPC	PCB-61/70/74/76	900	B C
Di	Conc.	Qualifiers	PCB-34	[27.9]	EMPC	PCB-43	13	J B	PCB-66	324	B
PCB-4	821	B	PCB-23	[17]	J EMPC	PCB-69/49	241	B C	PCB-55	(6.89)	
PCB-10	151		PCB-26/29	175	B C	PCB-48	60.4	B	PCB-56	108	B
PCB-9	1,570		PCB-25	85.3	B	PCB-44/47/65	644	B C	PCB-60	99.5	B
PCB-7	1,280		PCB-31	489	B	PCB-59/62/75	36.4	J B C	PCB-80	(7.47)	
PCB-6	3,590		PCB-28/20	569	B C	PCB-42	87.1	B	PCB-79	[33.5]	EMPC
PCB-5	393		PCB-21/33	287	B C	PCB-41	33.3	B	PCB-78	(8.22)	
PCB-8	1,710		PCB-22	179	B	PCB-71/40	161	B C	PCB-81	(8.03)	
PCB-14	1,490		PCB-36	[19.4]	J EMPC	PCB-64	113	B	PCB-77	44	
PCB-11	6,050	B	PCB-39	(24)							
PCB-13/12	2,570	C	PCB-38	76.3							
PCB-15	250	B	PCB-35	110							
			PCB-37	114	B						
Conc.	19,900		Conc.	3,450					Conc.	3,850	
EMPC	19,900		EMPC	3,510					EMPC	3,930	
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com						Totals					
						Mono-Tri		Conc.		EMPC	
						Tetra-Hexa		17,400		17,900	
						Hepta-Deca		1,760		1,920	
						Mono-Deca		370,000		370,000	

Sample ID: Test #2 Mill on

Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(2.84)		PCB-109/119/86/97/125/87	909	B C	PCB-155	[4.54]	J EMPC	PCB-165	(2.43)	
PCB-96	11.5	J	PCB-117	[25.8]	B EMPC	PCB-152	[2.21]	J EMPC	PCB-146	146	B
PCB-103	(13.4)		PCB-116/85	166	B C	PCB-150	[4.2]	J EMPC	PCB-161	(2.04)	
PCB-94	(15.9)		PCB-110	1,220	B	PCB-136	373		PCB-153/168	1,010	C
PCB-95	1,400	B	PCB-115	34.5		PCB-145	(2.28)		PCB-141	291	
PCB-100/93	(14.2)	C	PCB-82	110	B	PCB-148	(2.66)		PCB-130	48.8	
PCB-102	31.7	B	PCB-111	(10.7)		PCB-151/135	744	C	PCB-137	[26.3]	EMPC
PCB-98	(12.1)		PCB-120	(8.85)		PCB-154	[12.1]	J EMPC	PCB-164	51.7	
PCB-88	(14.8)		PCB-108/124	39.2	J C	PCB-144	114		PCB-163/138/129	837	B C
PCB-91	175	B	PCB-107	44.5	B	PCB-147/149	1,400	C	PCB-160	(2.44)	
PCB-84	436	B	PCB-123	[12.1]	J B EMPC	PCB-134	[74.8]	EMPC	PCB-158	86.4	B
PCB-89	[10.1]	J EMPC	PCB-106	(10.7)		PCB-143	[4.13]	J EMPC	PCB-128/166	[67.9]	B EMPC C
PCB-121	(9.26)		PCB-118	635	B	PCB-139/140	[20.3]	J B EMPC C	PCB-159	[9.07]	J EMPC
PCB-92	299	B	PCB-122	(13.6)		PCB-131	[15.8]	J EMPC	PCB-162	(4.47)	
PCB-113/90/101	1,830	B C	PCB-114	(10.8)		PCB-142	(3.1)		PCB-167	17.7	J B
PCB-83	[53.8]	B EMPC	PCB-105	201	B	PCB-132	403	B	PCB-156/157	35.4	J B C
PCB-99	444	B	PCB-127	(10.4)		PCB-133	[14.7]	J EMPC	PCB-169	(6.1)	
PCB-112	23.4		PCB-126	(7.77)							
			Conc.	8,010					Conc.	5,560	
			EMPC	8,110					EMPC	5,810	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.09)		PCB-174	233		PCB-202	[22.6]	EMPC	PCB-208	[7.6]	J EMPC
PCB-179	183		PCB-177	102	B	PCB-201	23.6		PCB-207	6.06	J
PCB-184	7.01	J	PCB-181	(4.15)		PCB-204	2.94	J	PCB-206	19	J
PCB-176	68.6		PCB-171/173	49.8	C	PCB-197	[6.03]	J EMPC			
PCB-186	(1.95)		PCB-172	23.8		PCB-200	15.9	J B	Conc.	25.1	
PCB-178	80.2		PCB-192	(3.52)		PCB-198/199	54	B C	EMPC	32.7	
PCB-175	10.7	J	PCB-180/193	265	B C	PCB-196	[29.5]	B EMPC			
PCB-187	321		PCB-191	[6.08]	J EMPC	PCB-203	32.1	B	Deca	Conc.	Qualifiers
PCB-182	[3.44]	J EMPC	PCB-170	71.9	B	PCB-195	12.8	J	PCB-209	[26.8]	EMPC
PCB-183	161	B	PCB-190	11.4	J	PCB-194	[17.8]	J EMPC			
PCB-185	[39.7]	EMPC	PCB-189	6.11	J B	PCB-205	(5.14)				
			Conc.	1,600		Conc.	141				
			EMPC	1,640		EMPC	217				



Sample ID: Test #3 Mill on


Client Data		Sample Data		Laboratory Data					
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024		
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_003	Date Extracted:	09-Sep-2024		
Date Collected:	14-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024		
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery	
	pg	pg	pg			%		%	
PCB-77 33'44'-TeCB	21.3				ES PCB-1	10.9			
PCB-81 344'5'-TeCB	ND	5.95			ES PCB-3	35.3			
PCB-105 233'44'-PeCB	90.5			B	ES PCB-4	27.4			
PCB-114 2344'5'-PeCB	EMPC		5.41	J	ES PCB-15	25.4			
PCB-118 23'44'5'-PeCB	242			B	ES PCB-19	39.7			
PCB-123 23'44'5'-PeCB	ND	4.09			ES PCB-37	30			
PCB-126 33'44'5'-PeCB	4.79			J	ES PCB-54	18.1	AS PCB-32	59.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	21.1			J B C	ES PCB-77	69.5	AS PCB-97	67.7	
PCB-167 23'44'55'-HxCB	8.3			J B	ES PCB-81	66.2	AS PCB-159	79.2	
PCB-169 33'44'55'-HxCB	ND	6.16			ES PCB-104	39.7			
PCB-189 233'44'55'-HpCB	ND	6.17			ES PCB-105	60.8			
					ES PCB-114	57.7			
TEQs (WHO 2005 M/H)					ES PCB-118	60.6			
					ES PCB-123	60.5			
ND = 0	0.492		0.492		ES PCB-126	48.4			
ND = 0.5 x DL	0.586		0.586		ES PCB-153	65.2			
ND = DL	0.679		0.679		ES PCB-155	56.3			
					ES PCB-156/157	43.9			
Totals					ES PCB-167	48			
Mono-CB	637,000			E	ES PCB-169	40.4			
Di-CB	32,400		32,700		ES PCB-170	102			
Tri-CB	4,000		4,260		ES PCB-180	104			
Tetra-CB	1,990		1,990		ES PCB-188	63.3			
Penta-CB	2,790		2,870		ES PCB-189	70			
Hexa-CB	1,910		2,060		ES PCB-202	58.3			
Hepta-CB	515		658		ES PCB-205	66.9			
Octa-CB	30.7		97.4		ES PCB-206	71.1			
Nona-CB	ND	8.91			ES PCB-208	86.8			
Deca-CB			11.1	J	ES PCB-209	61.7			
					SS PCB-28	96.1			
Total PCB (Mono-Deca)	681,000		682,000	E	SS PCB-111	92.1			
					SS PCB-178	94.2			

Checkcode: 160-397-NQY/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:55 Analyst: JJ

Sample ID: Test #3 Mill on Method 1668C

Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9847			Date Received: 22-Aug-2024		
Project ID: M243309			Weight/Volume: 1			Sample ID: B9847_21458_PCB_003			Date Extracted: 09-Sep-2024		
Date Collected: 14-Aug-2024			Units: pg			QC Batch No.: 21458			Date Analyzed: 08-Oct-2024		
						Checkcode: 160-397-NQY/C			Time Analyzed: 09:13:29		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	279,000	E	PCB-19	166	B	PCB-54	(14.7)		PCB-72	(5.3)	
PCB-2	253,000	E	PCB-30/18	663	B C	PCB-50/53	38.9	J B C	PCB-68	20	J B
PCB-3	105,000	E	PCB-17	516	B	PCB-45	29.9	B	PCB-57	(5.56)	
			PCB-27	[73.2]	B EMPC	PCB-51	32.7	B	PCB-58	12.8	J
Conc.	637,000		PCB-24	20.9		PCB-46	9.48	J B	PCB-67	(4.77)	
EMPC	637,000		PCB-16	215	B	PCB-52	425	B	PCB-63	9.91	J
			PCB-32	190	B	PCB-73	1.69	J	PCB-61/70/74/76	351	B C
Di	Conc.	Qualifiers	PCB-34	52.3		PCB-43	10.2	J B	PCB-66	151	B
PCB-4	1,430	B	PCB-23	[20.5]	EMPC	PCB-69/49	137	B C	PCB-55	(5.1)	
PCB-10	362		PCB-26/29	264	B C	PCB-48	35.1	B	PCB-56	48.3	B
PCB-9	2,850		PCB-25	122	B	PCB-44/47/65	368	B C	PCB-60	46.1	B
PCB-7	2,340		PCB-31	479	B	PCB-59/62/75	24.1	J B C	PCB-80	(5.53)	
PCB-6	6,760		PCB-28/20	532	B C	PCB-42	45.4	B	PCB-79	[5.7]	J EMPC
PCB-5	811		PCB-21/33	322	B C	PCB-41	23.1	B	PCB-78	(6.09)	
PCB-8	2,550		PCB-22	158	B	PCB-71/40	94.2	B C	PCB-81	(5.95)	
PCB-14	2,780		PCB-36	51.2		PCB-64	50.2	B	PCB-77	21.3	
PCB-11	7,350	B	PCB-39	[29]	EMPC						
PCB-13/12	5,190	C	PCB-38	[135]	EMPC						
PCB-15	[296]	B EMPC	PCB-35	159							
			PCB-37	93.4	B						
Conc.	32,400		Conc.	4,000					Conc.	1,990	
EMPC	32,700		EMPC	4,260					EMPC	1,990	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com </div>						Totals					
						Mono-Tri		Conc.		EMPC	
						Tetra-Hexa		674,000		674,000	
						Hepta-Deca		6,690		6,910	
						Mono-Deca		546		766	
								681,000		682,000	

Sample ID: Test #3 Mill on Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(2.96)		PCB-109/119/86/97/125/87	323	B C	PCB-155	(1.73)		PCB-165	(2)	
PCB-96	8.19	J	PCB-117	[8.63]	J B EMPC	PCB-152	(1.68)		PCB-146	[47.3]	B EMPC
PCB-103	(5.16)		PCB-116/85	64.7	B C	PCB-150	(1.96)		PCB-161	(1.68)	
PCB-94	(6.15)		PCB-110	423	B	PCB-136	125	B	PCB-153/168	379	B C
PCB-95	442	B	PCB-115	[7.35]	J EMPC	PCB-145	(1.81)		PCB-141	110	B
PCB-100/93	(5.47)	C	PCB-82	37.6	B	PCB-148	(2.19)		PCB-130	[21.4]	EMPC
PCB-102	[13.2]	J B EMPC	PCB-111	(4.12)		PCB-151/135	233	B C	PCB-137	[12.4]	J EMPC
PCB-98	(4.66)		PCB-120	(3.42)		PCB-154	5.72	J	PCB-164	[19.4]	J EMPC
PCB-88	(5.7)		PCB-108/124	14.2	J C	PCB-144	[29]	B EMPC	PCB-163/138/129	344	B C
PCB-91	66.3	B	PCB-107	20.7	B	PCB-147/149	446	B C	PCB-160	(2.01)	
PCB-84	147	B	PCB-123	(4.09)		PCB-134	32.7	B	PCB-158	34.7	B
PCB-89	[5.32]	J EMPC	PCB-106	(4.12)		PCB-143	(2.35)		PCB-128/166	31.2	J B C
PCB-121	(3.58)		PCB-118	242	B	PCB-139/140	[7.3]	J B EMPC C	PCB-159	(3.81)	
PCB-92	102	B	PCB-122	(5.18)		PCB-131	[4.14]	J EMPC	PCB-162	(4.57)	
PCB-113/90/101	614	B C	PCB-114	[5.41]	J EMPC	PCB-142	(2.56)		PCB-167	8.3	J B
PCB-83	[36]	B EMPC	PCB-105	90.5	B	PCB-132	141	B	PCB-156/157	21.1	J B C
PCB-99	190	B	PCB-127	(4.43)		PCB-133	[3.89]	J EMPC	PCB-169	(6.16)	
PCB-112	(3.45)		PCB-126	4.79	J						
			Conc.	2,790					Conc.	1,910	
			EMPC	2,870					EMPC	2,060	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(1.4)		PCB-174	95.8	B	PCB-202	[13.2]	J EMPC	PCB-208	(5.32)	
PCB-179	61.3	B	PCB-177	47.9	B	PCB-201	[9.85]	J EMPC	PCB-207	(5.86)	
PCB-184	(1.42)		PCB-181	(4.61)		PCB-204	(2.17)		PCB-206	(12.5)	
PCB-176	[23.9]	B EMPC	PCB-171/173	[16.5]	J EMPC C	PCB-197	(2.38)				
PCB-186	(1.31)		PCB-172	[7.96]	J EMPC	PCB-200	[5.9]	J B EMPC	Conc.	0	
PCB-178	[24.9]	B EMPC	PCB-192	(3.91)		PCB-198/199	24	J B C	EMPC	0	
PCB-175	4.41	J	PCB-180/193	130	B C	PCB-196	[11.8]	J B EMPC			
PCB-187	129	B	PCB-191	(4.56)		PCB-203	[14.6]	J B EMPC	Deca	Conc.	Qualifiers
PCB-182	(4.06)		PCB-170	39.8	B	PCB-195	6.68	J	PCB-209	[11.1]	J EMPC
PCB-183	[55]	B EMPC	PCB-190	7.48	J	PCB-194	[11.4]	J EMPC			
PCB-185	[14.6]	J EMPC	PCB-189	(6.17)		PCB-205	(6.47)				
			Conc.	515		Conc.	30.7				
			EMPC	658		EMPC	97.4				



Sample ID: Test #4 Mill on


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024	
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_004	Date Extracted:	09-Sep-2024	
Date Collected:	15-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	21.9				ES PCB-1	21.1		
PCB-81 344'5'-TeCB	ND	6.08			ES PCB-3	46.7		
PCB-105 233'44'-PeCB	86.5			B	ES PCB-4	46.1		
PCB-114 2344'5'-PeCB	6.84			J	ES PCB-15	26		
PCB-118 23'44'5'-PeCB	242			B	ES PCB-19	49		
PCB-123 23'44'5'-PeCB	4.82			J B	ES PCB-37	43.6		
PCB-126 33'44'5'-PeCB	ND	5.14			ES PCB-54	23.7	AS PCB-32	63.8
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		19	J B C	ES PCB-77	58.4	AS PCB-97	62.2
PCB-167 23'44'55'-HxCB	EMPC		7.05	J B	ES PCB-81	57.2	AS PCB-159	79.8
PCB-169 33'44'55'-HxCB	ND	4.77			ES PCB-104	52		
PCB-189 233'44'55'-HpCB	ND	6.26			ES PCB-105	58.5		
					ES PCB-114	56.9		
					ES PCB-118	59.8		
					ES PCB-123	61		
ND = 0	0.0124		0.0132		ES PCB-126	47.8		
ND = 0.5 x DL	0.342		0.343		ES PCB-153	71.8		
ND = DL	0.672		0.672		ES PCB-155	66.7		
					ES PCB-156/157	50.5		
					ES PCB-167	54.2		
					ES PCB-169	45.3		
					ES PCB-170	109		
					ES PCB-180	118		
					ES PCB-188	68.8		
					ES PCB-189	75.6		
					ES PCB-202	64.1		
					ES PCB-205	75		
					ES PCB-206	77.3		
					ES PCB-208	97.2		
					ES PCB-209	69.2		
					SS PCB-28	77.4		
					SS PCB-111	95.2		
					SS PCB-178	91.1		
						</		

Checkcode: 186-417-HCB/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:55 Analyst: JJ

**Sample ID: Test #4 Mill on****Method 1668C**

Client Data			Sample Data			Laboratory Data					
Name:	Mostardi-Platt		Matrix:	Air		Project No.:	B9847		Date Received:	22-Aug-2024	
Project ID:	M243309		Weight/Volume:	1		Sample ID:	B9847_21458_PCB_004		Date Extracted:	09-Sep-2024	
Date Collected:	15-Aug-2024		Units	pg		QC Batch No.:	21458		Date Analyzed:	08-Oct-2024	
						Checkcode:	186-417-HCB/C		Time Analyzed:	10:12:11	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	52,700		PCB-19	[119]	B EMPC	PCB-54	(3.72)		PCB-72	(5.42)	
PCB-2	11,200		PCB-30/18	282	B C	PCB-50/53	37.5	J B C	PCB-68	16.7	J B
PCB-3	3,630		PCB-17	245	B	PCB-45	[26.2]	B EMPC	PCB-57	(5.68)	
			PCB-27	34.1	B	PCB-51	38.1	B	PCB-58	(5.14)	
Conc.	67,600		PCB-24	[6.68]	J EMPC	PCB-46	9.08	J B	PCB-67	(4.87)	
EMPC	67,600		PCB-16	112	B	PCB-52	393	B	PCB-63	6.45	J
			PCB-32	139	B	PCB-73	(2.07)		PCB-61/70/74/76	360	B C
Di	Conc.	Qualifiers	PCB-34	(17.1)		PCB-43	[8.76]	J B EMPC	PCB-66	155	B
PCB-4	613	B	PCB-23	(16.7)		PCB-69/49	148	B C	PCB-55	(5.22)	
PCB-10	105	B	PCB-26/29	[68.3]	B EMPC C	PCB-48	37.5	B	PCB-56	53.5	B
PCB-9	[285]	EMPC	PCB-25	31.3	B	PCB-44/47/65	382	B C	PCB-60	44	B
PCB-7	259		PCB-31	249	B	PCB-59/62/75	21.8	J B C	PCB-80	(5.65)	
PCB-6	709		PCB-28/20	299	B C	PCB-42	51.2	B	PCB-79	[7.11]	J EMPC
PCB-5	108		PCB-21/33	145	B C	PCB-41	24.9	B	PCB-78	(6.23)	
PCB-8	560	B	PCB-22	86.8	B	PCB-71/40	90.2	B C	PCB-81	(6.08)	
PCB-14	137		PCB-36	(14.1)		PCB-64	73.3	B	PCB-77	21.9	
PCB-11	9,580	B	PCB-39	(15.9)							
PCB-13/12	287	C	PCB-38	(15.4)							
PCB-15	125	B	PCB-35	82.5	B						
			PCB-37	76.9	B						
Conc.	12,500		Conc.	1,780					Conc.	1,960	
EMPC	12,800		EMPC	1,980					EMPC	2,010	
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com											
						Totals		Conc.		EMPC	
						Mono-Tri		81,800		82,300	
						Tetra-Hexa		6,870		7,120	
						Hepta-Deca		764		965	
						Mono-Deca		89,500		90,400	

Sample ID: Test #4 Mill on
Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(1.53)		PCB-109/119/86/97/125/87	291	B C	PCB-155	(1.39)		PCB-165	(1.65)	
PCB-96	[4.29]	J EMPC	PCB-117	[9.2]	J B EMPC	PCB-152	(1.35)		PCB-146	61.8	B
PCB-103	(5.01)		PCB-116/85	54.4	B C	PCB-150	(1.57)		PCB-161	(1.39)	
PCB-94	(5.97)		PCB-110	390	B	PCB-136	[123]	B EMPC	PCB-153/168	419	B C
PCB-95	496	B	PCB-115	17.7	J	PCB-145	(1.45)		PCB-141	123	B
PCB-100/93	(5.31)	C	PCB-82	39	B	PCB-148	(1.81)		PCB-130	21.4	
PCB-102	[10.6]	J B EMPC	PCB-111	(4)		PCB-151/135	272	B C	PCB-137	15.2	J
PCB-98	(4.53)		PCB-120	(3.32)		PCB-154	5.91	J	PCB-164	[22.1]	EMPC
PCB-88	4.59	J	PCB-108/124	14.5	J C	PCB-144	43	B	PCB-163/138/129	402	B C
PCB-91	60.9	B	PCB-107	20	B	PCB-147/149	501	B C	PCB-160	(1.66)	
PCB-84	154	B	PCB-123	4.82	J B	PCB-134	34.1	B	PCB-158	37.4	B
PCB-89	[4.1]	J EMPC	PCB-106	(4)		PCB-143	(1.94)		PCB-128/166	35.7	J B C
PCB-121	(3.47)		PCB-118	242	B	PCB-139/140	8.55	J B C	PCB-159	5.26	J
PCB-92	96.1	B	PCB-122	(5.18)		PCB-131	6.56	J	PCB-162	(3.44)	
PCB-113/90/101	590	B C	PCB-114	6.84	J	PCB-142	(2.11)		PCB-167	[7.05]	J B EMPC
PCB-83	33	B	PCB-105	86.5	B	PCB-132	160	B	PCB-156/157	[19]	J B EMPC C
PCB-99	148	B	PCB-127	(4.49)		PCB-133	[7.37]	J EMPC	PCB-169	(4.77)	
PCB-112	5.22	J B	PCB-126	(5.14)							
			Conc.	2,760					Conc.	2,150	
			EMPC	2,780					EMPC	2,330	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(1.8)		PCB-174	124	B	PCB-202	17.5	J	PCB-208	(5.84)	
PCB-179	[85.5]	B EMPC	PCB-177	58.3	B	PCB-201	11.2	J	PCB-207	(6.43)	
PCB-184	(1.82)		PCB-181	(4.32)		PCB-204	(2.29)		PCB-206	(12.9)	
PCB-176	33.2	B	PCB-171/173	24.5	J C	PCB-197	[3.8]	J EMPC			
PCB-186	(1.68)		PCB-172	[9.94]	J EMPC	PCB-200	7.6	J B	Conc.	0	
PCB-178	[29.4]	B EMPC	PCB-192	(3.66)		PCB-198/199	32.6	J B C	EMPC	0	
PCB-175	[7.52]	J EMPC	PCB-180/193	153	B C	PCB-196	14.4	J B			
PCB-187	162	B	PCB-191	(4.27)		PCB-203	[16.5]	J B EMPC	Deca	Conc.	Qualifiers
PCB-182	(3.8)		PCB-170	[41.7]	B EMPC	PCB-195	8.85	J	PCB-209	(8.11)	
PCB-183	84.6	B	PCB-190	[6.83]	J EMPC	PCB-194	13.1	J			
PCB-185	19	J	PCB-189	(6.26)		PCB-205	(5.71)				
			Conc.	659		Conc.	105				
			EMPC	839		EMPC	126				

Sample ID: Test #1 Mill off


Client Data		Sample Data		Laboratory Data					
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024		
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_005	Date Extracted:	09-Sep-2024		
Date Collected:	13-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024		
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery	
	pg	pg	pg			%		%	
PCB-77 33'44'-TeCB	127				ES PCB-1	24.4			
PCB-81 344'5'-TeCB	23.7				ES PCB-3	35.9			
PCB-105 233'44'-PeCB	182			B	ES PCB-4	28.7			
PCB-114 2344'5'-PeCB	12.3			J	ES PCB-15	35.3			
PCB-118 23'44'5'-PeCB	599			B	ES PCB-19	44.1			
PCB-123 23'44'5'-PeCB	18.7			J B	ES PCB-37	35.4			
PCB-126 33'44'5'-PeCB	EMPC		8.02	J	ES PCB-54	16.2	AS PCB-32	37.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	33			J B C	ES PCB-77	111	AS PCB-97	85.4	
PCB-167 23'44'55'-HxCB	19.3			J B	ES PCB-81	99.7	AS PCB-159	81.6	
PCB-169 33'44'55'-HxCB	ND	5.47			ES PCB-104	38.2			
PCB-189 233'44'55'-HpCB	ND	5.17			ES PCB-105	98.1			
					ES PCB-114	94.7			
TEQs (WHO 2005 M/H)					ES PCB-118	99.4			
					ES PCB-123	96			
ND = 0	0.0457		0.848		ES PCB-126	82.1			
ND = 0.5 x DL	0.513		0.93		ES PCB-153	74.9			
ND = DL	0.98		1.01		ES PCB-155	44.7			
					ES PCB-156/157	49.4			
Totals					ES PCB-167	57.9			
Mono-CB	3,500,000			E	ES PCB-169	47.4			
Di-CB	341,000				ES PCB-170	121			
Tri-CB	44,100				ES PCB-180	124			
Tetra-CB	8,890		9,000		ES PCB-188	67.1			
Penta-CB	5,430		11,300		ES PCB-189	83.1			
Hexa-CB	5,420		5,490		ES PCB-202	66.2			
Hepta-CB	986		1,300		ES PCB-205	81			
Octa-CB	211		237		ES PCB-206	81.6			
Nona-CB			22.2		ES PCB-208	101			
Deca-CB	15			J	ES PCB-209	68			
					SS PCB-28	83.1			
Total PCB (Mono-Deca)	3,900,000		3,910,000	E	SS PCB-111	83.6			
					SS PCB-178	96.6			

Checkcode: 442-377-SYS/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:55 Analyst: JJ

**Sample ID: Test #1 Mill off****Method 1668C**

Client Data			Sample Data			Laboratory Data					
Name:	Mostardi-Platt		Matrix:	Air		Project No.:	B9847		Date Received:	22-Aug-2024	
Project ID:	M243309		Weight/Volume:	1		Sample ID:	B9847_21458_PCB_005		Date Extracted:	09-Sep-2024	
Date Collected:	13-Aug-2024		Units	pg		QC Batch No.:	21458		Date Analyzed:	08-Oct-2024	
						Checkcode:	442-377-SYS/C		Time Analyzed:	11:10:52	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	762,000	E	PCB-19	594		PCB-54	(55.2)		PCB-72	96.6	
PCB-2	1,600,000	E	PCB-30/18	3,640	C	PCB-50/53	177	B C	PCB-68	[118]	B EMPC
PCB-3	1,140,000	E	PCB-17	2,710		PCB-45	208		PCB-57	(10.6)	
			PCB-27	737		PCB-51	47.4	B	PCB-58	60.2	
Conc.	3,500,000		PCB-24	703		PCB-46	45.9	B	PCB-67	39.6	
EMPC	3,500,000		PCB-16	829		PCB-52	1,800	B	PCB-63	127	
			PCB-32	594	B	PCB-73	16.8	J	PCB-61/70/74/76	1,340	B C
Di	Conc.	Qualifiers	PCB-34	1,010		PCB-43	74.8		PCB-66	566	B
PCB-4	7,320		PCB-23	367		PCB-69/49	650	B C	PCB-55	48	
PCB-10	2,500		PCB-26/29	3,490	C	PCB-48	263		PCB-56	171	B
PCB-9	19,800		PCB-25	2,210		PCB-44/47/65	1,500	B C	PCB-60	118	B
PCB-7	18,900		PCB-31	3,530		PCB-59/62/75	153	C	PCB-80	31.7	
PCB-6	48,800		PCB-28/20	4,040	C	PCB-42	238	B	PCB-79	98.1	
PCB-5	8,670		PCB-21/33	4,060	C	PCB-41	129		PCB-78	50.1	
PCB-8	16,300		PCB-22	1,050		PCB-71/40	532	C	PCB-81	23.7	
PCB-14	28,100		PCB-36	1,690		PCB-64	159	B	PCB-77	127	
PCB-11	65,000		PCB-39	1,080							
PCB-13/12	117,000	C	PCB-38	5,440							
PCB-15	8,340		PCB-35	5,170							
			PCB-37	1,130							
Conc.	341,000		Conc.	44,100					Conc.	8,890	
EMPC	341,000		EMPC	44,100					EMPC	9,000	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		3,880,000		3,880,000	
						Tetra-Hexa		19,700		25,800	
						Hepta-Deca		1,210		1,580	
						Mono-Deca		3,900,000		3,910,000	

Sample ID: Test #1 Mill off

Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	[4.68]	J EMPC	PCB-109/119/86/97/125/87	[2,290]	EMPC C	PCB-155	[3.68]	J EMPC	PCB-165	(2.03)	
PCB-96	30.5		PCB-117	42.5	B	PCB-152	4.63	J	PCB-146	157	B
PCB-103	(14.4)		PCB-116/85	155	B C	PCB-150	[6.1]	J EMPC	PCB-161	[3.55]	J EMPC
PCB-94	(17.1)		PCB-110	1,100	B	PCB-136	378		PCB-153/168	1,000	C
PCB-95	(15.1)		PCB-115	[12.9]	J EMPC	PCB-145	(2.74)		PCB-141	383	
PCB-100/93	[1,100]	EMPC C	PCB-82	130	B	PCB-148	[4.91]	J EMPC	PCB-130	88.9	
PCB-102	[31.7]	B EMPC	PCB-111	21.9		PCB-151/135	599	B C	PCB-137	107	
PCB-98	[38.3]	EMPC	PCB-120	21.4		PCB-154	22.3		PCB-164	89.1	
PCB-88	(15.9)		PCB-108/124	60.4	C	PCB-144	96.9		PCB-163/138/129	777	B C
PCB-91	147	B	PCB-107	71.5		PCB-147/149	1,110	B C	PCB-160	9.58	J
PCB-84	[335]	B EMPC	PCB-123	18.7	J B	PCB-134	66.8		PCB-158	78.2	B
PCB-89	(15)		PCB-106	(11.5)		PCB-143	[4.66]	J EMPC	PCB-128/166	62.7	B C
PCB-121	[16.6]	J EMPC	PCB-118	599	B	PCB-139/140	[20.1]	J B EMPC C	PCB-159	9	J
PCB-92	350	B	PCB-122	[13.9]	J EMPC	PCB-131	[16.9]	J EMPC	PCB-162	[4.89]	J EMPC
PCB-113/90/101	2,470	C	PCB-114	12.3	J	PCB-142	[1.73]	J EMPC	PCB-167	19.3	J B
PCB-83	[677]	EMPC	PCB-105	182	B	PCB-132	306	B	PCB-156/157	33	J B C
PCB-99	[1,370]	EMPC	PCB-127	7.49	J	PCB-133	22.3		PCB-169	(5.47)	
PCB-112	(9.6)		PCB-126	[8.02]	J EMPC						
			Conc.	5,430					Conc.	5,420	
			EMPC	11,300					EMPC	5,490	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(1.65)		PCB-174	197	B	PCB-202	35.2		PCB-208	[10.5]	J EMPC
PCB-179	97.9	B	PCB-177	73.5	B	PCB-201	20.5		PCB-207	(5.89)	
PCB-184	[2.84]	J EMPC	PCB-181	(5.01)		PCB-204	(1.78)		PCB-206	[11.7]	J EMPC
PCB-176	[48.3]	B EMPC	PCB-171/173	[26.7]	J EMPC C	PCB-197	[3.14]	J EMPC			
PCB-186	(1.54)		PCB-172	[25.7]	EMPC	PCB-200	17.3	J B	Conc.	0	
PCB-178	79.5		PCB-192	(4.25)		PCB-198/199	73.3	C	EMPC	22.2	
PCB-175	[8.96]	J EMPC	PCB-180/193	247	B C	PCB-196	27.8	B			
PCB-187	291		PCB-191	(4.95)		PCB-203	28.6	B	Deca	Conc.	Qualifiers
PCB-182	(4.41)		PCB-170	[53.2]	B EMPC	PCB-195	8.28	J	PCB-209	15	J
PCB-183	[117]	B EMPC	PCB-190	[8.01]	J EMPC	PCB-194	[22.6]	EMPC			
PCB-185	[26.5]	EMPC	PCB-189	(5.17)		PCB-205	(5.75)				
			Conc.	986		Conc.	211				
			EMPC	1,300		EMPC	237				



Sample ID: Test #2 Mill off


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024	
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_006	Date Extracted:	09-Sep-2024	
Date Collected:	14-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	189				ES PCB-1	27.6		
PCB-81 344'5'-TeCB	34.6				ES PCB-3	46		
PCB-105 233'44'-PeCB	203			B	ES PCB-4	34.2		
PCB-114 2344'5'-PeCB	EMPC		18.8	J	ES PCB-15	44.1		
PCB-118 23'44'5'-PeCB	620			B	ES PCB-19	52.6		
PCB-123 23'44'5'-PeCB	ND	18.8			ES PCB-37	39.6		
PCB-126 33'44'5'-PeCB	ND	12.4			ES PCB-54	17.6	AS PCB-32	29.6
PCB-156/157 233'44'5'/233'44'5'-HxCB	61.1			B C	ES PCB-77	128	AS PCB-97	97.7
PCB-167 23'44'55'-HxCB	29.9			B	ES PCB-81	116	AS PCB-159	85.7
PCB-169 33'44'55'-HxCB	EMPC		13.4	J B	ES PCB-104	40.1		
PCB-189 233'44'55'-HpCB	ND	7.13			ES PCB-105	112		
					ES PCB-114	106		
					ES PCB-118	112		
					ES PCB-123	106		
ND = 0	0.0567		0.459		ES PCB-126	91.6		
ND = 0.5 x DL	0.8		1.08		ES PCB-153	87.7		
ND = DL	1.54		1.7		ES PCB-155	56.5		
					ES PCB-156/157	60.3		
					ES PCB-167	69.1		
					ES PCB-169	54		
					ES PCB-170	137		
					ES PCB-180	144		
					ES PCB-188	74.7		
					ES PCB-189	94.5		
					ES PCB-202	76.8		
					ES PCB-205	89.1		
					ES PCB-206	90.8		
					ES PCB-208	119		
					ES PCB-209	77.2		
					SS PCB-28	82.4		
					SS PCB-111	84.1		
					SS PCB-178	96.2		
								</

Checkcode: 147-850-RQH/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:55 Analyst: JJ

**Sample ID: Test #2 Mill off****Method 1668C**

Client Data			Sample Data			Laboratory Data					
Name:	Mostardi-Platt		Matrix:	Air		Project No.:	B9847		Date Received:	22-Aug-2024	
Project ID:	M243309		Weight/Volume:	1		Sample ID:	B9847_21458_PCB_006		Date Extracted:	09-Sep-2024	
Date Collected:	14-Aug-2024		Units	pg		QC Batch No.:	21458		Date Analyzed:	08-Oct-2024	
						Checkcode:	147-850-RQH/C		Time Analyzed:	12:09:34	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	764,000	E	PCB-19	600		PCB-54	(42.7)		PCB-72	110	
PCB-2	1,550,000	E	PCB-30/18	3,810	C	PCB-50/53	[183]	B EMPC C	PCB-68	161	
PCB-3	1,000,000	E	PCB-17	3,030		PCB-45	224		PCB-57	95.5	
			PCB-27	762		PCB-51	53.1	B	PCB-58	50.5	
Conc.	3,320,000		PCB-24	1,430		PCB-46	52.9	B	PCB-67	129	
EMPC	3,320,000		PCB-16	(53.5)		PCB-52	1,580	B	PCB-63	61	
			PCB-32	666	B	PCB-73	[26.4]	EMPC	PCB-61/70/74/76	1,210	B C
Di	Conc.	Qualifiers	PCB-34	1,180		PCB-43	83		PCB-66	564	B
PCB-4	7,950		PCB-23	499		PCB-69/49	650	B C	PCB-55	69	
PCB-10	2,680		PCB-26/29	4,260	C	PCB-48	273		PCB-56	195	B
PCB-9	20,300		PCB-25	2,800		PCB-44/47/65	1,460	B C	PCB-60	126	B
PCB-7	19,300		PCB-31	4,370		PCB-59/62/75	183	C	PCB-80	50.6	
PCB-6	49,000		PCB-28/20	5,070	C	PCB-42	244	B	PCB-79	137	
PCB-5	8,420		PCB-21/33	4,820	C	PCB-41	162		PCB-78	[71.9]	EMPC
PCB-8	17,500		PCB-22	1,340		PCB-71/40	559	C	PCB-81	34.6	
PCB-14	31,200		PCB-36	2,190		PCB-64	153	B	PCB-77	189	
PCB-11	72,700		PCB-39	1,550							
PCB-13/12	134,000	C	PCB-38	6,410							
PCB-15	10,300		PCB-35	7,100							
			PCB-37	1,720							
Conc.	373,000		Conc.	53,600					Conc.	8,860	
EMPC	373,000		EMPC	53,600					EMPC	9,140	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		3,750,000		3,750,000	
						Tetra-Hexa		22,400		27,300	
						Hepta-Deca		2,980		3,250	
						Mono-Deca		3,770,000		3,780,000	

Sample ID: Test #2 Mill off Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(6.83)		PCB-109/119/86/97/125/87	[2,480]	EMPC C	PCB-155	[5.04]	J EMPC	PCB-165	(2.56)	
PCB-96	[29.4]	EMPC	PCB-117	[24.9]	B EMPC	PCB-152	3.23	J	PCB-146	221	
PCB-103	(23.8)		PCB-116/85	151	B C	PCB-150	[4.68]	J EMPC	PCB-161	(2.15)	
PCB-94	(28.3)		PCB-110	990	B	PCB-136	376		PCB-153/168	1,510	C
PCB-95	(25)		PCB-115	(17.5)		PCB-145	(3.13)		PCB-141	524	
PCB-100/93	[819]	EMPC C	PCB-82	113	B	PCB-148	[6.44]	J EMPC	PCB-130	88.2	
PCB-102	[19.9]	J B EMPC	PCB-111	[19.3]	J EMPC	PCB-151/135	768	C	PCB-137	(3.58)	
PCB-98	[22.4]	EMPC	PCB-120	30.9		PCB-154	[18.7]	J EMPC	PCB-164	109	
PCB-88	(26.3)		PCB-108/124	60.5	C	PCB-144	110		PCB-163/138/129	1,260	C
PCB-91	107	B	PCB-107	77.5		PCB-147/149	1,470	C	PCB-160	(2.57)	
PCB-84	[237]	B EMPC	PCB-123	(18.8)		PCB-134	[81]	EMPC	PCB-158	119	
PCB-89	(24.7)		PCB-106	[12.5]	J EMPC	PCB-143	(3.01)		PCB-128/166	98.1	C
PCB-121	(16.5)		PCB-118	620	B	PCB-139/140	25.4	J B C	PCB-159	22.3	
PCB-92	298	B	PCB-122	[20.4]	EMPC	PCB-131	[18]	J EMPC	PCB-162	(6.05)	
PCB-113/90/101	2,260	C	PCB-114	[18.8]	J EMPC	PCB-142	[2.63]	J EMPC	PCB-167	29.9	B
PCB-83	[704]	EMPC	PCB-105	203	B	PCB-132	401	B	PCB-156/157	61.1	B C
PCB-99	1,470		PCB-127	(18.5)		PCB-133	[24.1]	EMPC	PCB-169	[13.4]	J B EMPC
PCB-112	(15.9)		PCB-126	(12.4)							
			Conc.	6,380					Conc.	7,190	
			EMPC	10,800					EMPC	7,370	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.51)		PCB-174	390		PCB-202	61.1		PCB-208	[12.9]	J EMPC
PCB-179	231		PCB-177	152		PCB-201	44.5		PCB-207	11	J
PCB-184	[4.7]	J EMPC	PCB-181	(5.93)		PCB-204	(2.96)		PCB-206	39.7	
PCB-176	94.9		PCB-171/173	77.9	C	PCB-197	[8.4]	J EMPC			
PCB-186	(2.34)		PCB-172	[39.2]	EMPC	PCB-200	37.6		Conc.	50.6	
PCB-178	125		PCB-192	(5.03)		PCB-198/199	[119]	EMPC C	EMPC	63.6	
PCB-175	16.9	J	PCB-180/193	519	C	PCB-196	56.1				
PCB-187	555		PCB-191	14.2	J	PCB-203	[60.7]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(5.22)		PCB-170	127		PCB-195	[18.6]	J EMPC	PCB-209	44.8	
PCB-183	262		PCB-190	14.2	J	PCB-194	46.7				
PCB-185	63.5		PCB-189	(7.13)		PCB-205	[4.75]	J EMPC			
			Conc.	2,640		Conc.	246				
			EMPC	2,680		EMPC	457				



Sample ID: Test #3 Mill off


Client Data		Sample Data		Laboratory Data					
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024		
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_007	Date Extracted:	09-Sep-2024		
Date Collected:	15-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024		
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery	
	pg	pg	pg			%		%	
PCB-77 33'44'-TeCB	45.6				ES PCB-1	25.5			
PCB-81 344'5'-TeCB	EMPC		7.76	J	ES PCB-3	41.4			
PCB-105 233'44'-PeCB	117			B	ES PCB-4	34.9			
PCB-114 2344'5'-PeCB	ND	11.9			ES PCB-15	43.8			
PCB-118 23'44'5'-PeCB	372			B	ES PCB-19	52.4			
PCB-123 23'44'5'-PeCB	ND	12.4			ES PCB-37	42			
PCB-126 33'44'5'-PeCB	ND	6.84			ES PCB-54	13.7	AS PCB-32	39	
PCB-156/157 233'44'5'/233'44'5'-HxCB	45.3			B C	ES PCB-77	125	AS PCB-97	92.8	
PCB-167 23'44'55'-HxCB	23.5			B	ES PCB-81	115	AS PCB-159	83.5	
PCB-169 33'44'55'-HxCB	EMPC		5.36	J B	ES PCB-104	41.5			
PCB-189 233'44'55'-HpCB	EMPC		5.93	J B	ES PCB-105	113			
					ES PCB-114	108			
TEQs (WHO 2005 M/H)					ES PCB-118	112			
					ES PCB-123	110			
ND = 0	0.0213		0.185		ES PCB-126	96.3			
ND = 0.5 x DL	0.44		0.527		ES PCB-153	88.7			
ND = DL	0.859		0.869		ES PCB-155	57.7			
					ES PCB-156/157	66.6			
Totals					ES PCB-167	72.2			
Mono-CB	1,850,000			E	ES PCB-169	60.1			
Di-CB	144,000				ES PCB-170	145			
Tri-CB	19,900				ES PCB-180	152 V			
Tetra-CB	4,430		4,460		ES PCB-188	69.3			
Penta-CB	2,510		4,990		ES PCB-189	101			
Hexa-CB	5,400		5,530		ES PCB-202	77.1			
Hepta-CB	2,280		2,470		ES PCB-205	95.8			
Octa-CB	415		422		ES PCB-206	96.4			
Nona-CB	23.9		28.4		ES PCB-208	119			
Deca-CB	9.66			J	ES PCB-209	80.8			
					SS PCB-28	82.4			
Total PCB (Mono-Deca)	2,030,000		2,030,000	E	SS PCB-111	76.4			
					SS PCB-178	92.5			

Checkcode: 911-724-SLM/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:56 Analyst: JJ

**Sample ID: Test #3 Mill off****Method 1668C**

Client Data			Sample Data			Laboratory Data					
Name:	Mostardi-Platt		Matrix:	Air		Project No.:	B9847		Date Received:	22-Aug-2024	
Project ID:	M243309		Weight/Volume:	1		Sample ID:	B9847_21458_PCB_007		Date Extracted:	09-Sep-2024	
Date Collected:	15-Aug-2024		Units	pg		QC Batch No.:	21458		Date Analyzed:	08-Oct-2024	
						Checkcode:	911-724-SLM/C		Time Analyzed:	13:08:15	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	586,000	E	PCB-19	419	B	PCB-54	(41.5)		PCB-72	31	
PCB-2	874,000	E	PCB-30/18	2,550	C	PCB-50/53	128	B C	PCB-68	48.4	B
PCB-3	389,000	E	PCB-17	1,930		PCB-45	143	B	PCB-57	20.9	
			PCB-27	433		PCB-51	45.1	B	PCB-58	(7.28)	
Conc.	1,850,000		PCB-24	835		PCB-46	37.8	B	PCB-67	[9.41]	J EMPC
EMPC	1,850,000		PCB-16	(33.5)		PCB-52	872	B	PCB-63	(8.92)	
			PCB-32	467	B	PCB-73	[11]	J EMPC	PCB-61/70/74/76	525	B C
Di	Conc.	Qualifiers	PCB-34	457		PCB-43	47.6	B	PCB-66	255	B
PCB-4	5,670		PCB-23	204		PCB-69/49	367	B C	PCB-55	15	J
PCB-10	1,920		PCB-26/29	1,500	C	PCB-48	152	B	PCB-56	70	B
PCB-9	12,200		PCB-25	847		PCB-44/47/65	824	B C	PCB-60	63.5	B
PCB-7	10,400		PCB-31	1,740		PCB-59/62/75	86.4	B C	PCB-80	(8.01)	
PCB-6	27,800		PCB-28/20	2,010	C	PCB-42	141	B	PCB-79	23	
PCB-5	4,750		PCB-21/33	1,860	C	PCB-41	90		PCB-78	[8.59]	J EMPC
PCB-8	8,800		PCB-22	518		PCB-71/40	307	B C	PCB-81	[7.76]	J EMPC
PCB-14	13,100		PCB-36	520		PCB-64	89.6	B	PCB-77	45.6	
PCB-11	24,400		PCB-39	313							
PCB-13/12	32,500	C	PCB-38	1,670							
PCB-15	2,420		PCB-35	1,280							
			PCB-37	304							
Conc.	144,000		Conc.	19,900					Conc.	4,430	
EMPC	144,000		EMPC	19,900					EMPC	4,460	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		2,010,000		2,010,000	
						Tetra-Hexa		12,300		15,000	
						Hepta-Deca		2,730		2,930	
						Mono-Deca		2,030,000		2,030,000	

Sample ID: Test #3 Mill off
Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(5.08)		PCB-109/119/86/97/125/87	[723]	B EMPC C	PCB-155	(1.76)		PCB-165	(1.51)	
PCB-96	16.2	J	PCB-117	77.4		PCB-152	2.1	J	PCB-146	161	B
PCB-103	(15.7)		PCB-116/85	(14.2)	C	PCB-150	[3.77]	J EMPC	PCB-161	(1.27)	
PCB-94	(18.7)		PCB-110	542	B	PCB-136	254	B	PCB-153/168	1,310	C
PCB-95	[484]	B EMPC	PCB-115	(11.5)		PCB-145	(1.84)		PCB-141	354	
PCB-100/93	[16.9]	J B EMPC C	PCB-82	47.8	B	PCB-148	(1.65)		PCB-130	[49.2]	EMPC
PCB-102	(14.2)		PCB-111	(12.5)		PCB-151/135	541	B C	PCB-137	35.4	
PCB-98	(14.2)		PCB-120	(10.4)		PCB-154	[10.6]	J EMPC	PCB-164	67.4	
PCB-88	(17.3)		PCB-108/124	25.3	J C	PCB-144	82.8		PCB-163/138/129	988	B C
PCB-91	54.2	B	PCB-107	31.7	B	PCB-147/149	1,070	B C	PCB-160	(1.52)	
PCB-84	[135]	B EMPC	PCB-123	(12.4)		PCB-134	[41.5]	B EMPC	PCB-158	89.8	B
PCB-89	[8.05]	J EMPC	PCB-106	(12.5)		PCB-143	(1.78)		PCB-128/166	74.6	B C
PCB-121	[7.37]	J EMPC	PCB-118	372	B	PCB-139/140	11.1	J B C	PCB-159	14.8	J
PCB-92	137	B	PCB-122	(15.1)		PCB-131	[9.91]	J EMPC	PCB-162	(3.9)	
PCB-113/90/101	1,090	B C	PCB-114	(11.9)		PCB-142	(1.93)		PCB-167	23.5	B
PCB-83	[1,100]	EMPC	PCB-105	117	B	PCB-132	275	B	PCB-156/157	45.3	B C
PCB-99	(12)		PCB-127	(11.8)		PCB-133	[14.7]	J EMPC	PCB-169	[5.36]	J B EMPC
PCB-112	(10.5)		PCB-126	(6.84)							
			Conc.	2,510					Conc.	5,400	
			EMPC	4,990					EMPC	5,530	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(1.88)		PCB-174	338		PCB-202	43.9		PCB-208	8.66	J
PCB-179	161	B	PCB-177	154		PCB-201	33.5		PCB-207	[4.48]	J EMPC
PCB-184	(1.9)		PCB-181	(5.23)		PCB-204	(2)		PCB-206	15.2	J
PCB-176	81.8		PCB-171/173	72	C	PCB-197	[6.83]	J EMPC			
PCB-186	(1.76)		PCB-172	[35.8]	EMPC	PCB-200	27.3		Conc.	23.9	
PCB-178	[99.4]	EMPC	PCB-192	(4.44)		PCB-198/199	110	C	EMPC	28.4	
PCB-175	17.8	J	PCB-180/193	540	C	PCB-196	58.3				
PCB-187	486		PCB-191	8.91	J	PCB-203	69.4		Deca	Conc.	Qualifiers
PCB-182	(4.61)		PCB-170	146		PCB-195	25.3		PCB-209	9.66	J
PCB-183	245		PCB-190	27.6		PCB-194	47.2				
PCB-185	[48.3]	EMPC	PCB-189	[5.93]	J B EMPC	PCB-205	(3.28)				
			Conc.	2,280		Conc.	415				
			EMPC	2,470		EMPC	422				



Sample ID: Field Blank


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	22-Aug-2024	
Project ID:	M243309	Weight/Volume:	1	Sample ID:	B9847_21458_PCB_008	Date Extracted:	09-Sep-2024	
Date Collected:	15-Aug-2024			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	5.43			J	ES PCB-1	17.3		
PCB-81 344'5'-TeCB	ND	6.15			ES PCB-3	37.8		
PCB-105 233'44'-PeCB	EMPC		32.3	B	ES PCB-4	45.5		
PCB-114 2344'5'-PeCB	EMPC		3.83	J	ES PCB-15	72.6		
PCB-118 23'44'5'-PeCB	97.4			B	ES PCB-19	65.1		
PCB-123 23'44'5'-PeCB	ND	4.92			ES PCB-37	60.2		
PCB-126 33'44'5'-PeCB	ND	6.68			ES PCB-54	41.1	AS PCB-32	94
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		9.56	J B C	ES PCB-77	57.3	AS PCB-97	81.3
PCB-167 23'44'55'-HxCB	ND	4.46			ES PCB-81	57.3	AS PCB-159	81.2
PCB-169 33'44'55'-HxCB	ND	5.33			ES PCB-104	73.9		
PCB-189 233'44'55'-HpCB	ND	5.31			ES PCB-105	67.2		
					ES PCB-114	67.4		
					ES PCB-118	70.7		
					ES PCB-123	70.1		
ND = 0	0.00347		0.00484		ES PCB-126	52.3		
ND = 0.5 x DL	0.419		0.42		ES PCB-153	85.9		
ND = DL	0.834		0.835		ES PCB-155	91.1		
					ES PCB-156/157	61.5		
					ES PCB-167	63.1		
					ES PCB-169	53.5		
					ES PCB-170	130		
					ES PCB-180	135		
					ES PCB-188	79.9		
					ES PCB-189	91		
					ES PCB-202	69.6		
					ES PCB-205	85.6		
					ES PCB-206	87.3		
					ES PCB-208	110		
					ES PCB-209	76.4		
					SS PCB-28	92		
					SS PCB-111	97.9		
					SS PCB-178	87.7		

Checkcode: 032-384-KQW/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:56 Analyst: JJ

Sample ID: Field Blank Method 1668C

Client Data			Sample Data			Laboratory Data					
Name:	Mostardi-Platt		Matrix:	Air		Project No.:	B9847		Date Received:	22-Aug-2024	
Project ID:	M243309		Weight/Volume:	1		Sample ID:	B9847_21458_PCB_008		Date Extracted:	09-Sep-2024	
Date Collected:	15-Aug-2024		Units	pg		QC Batch No.:	21458		Date Analyzed:	08-Oct-2024	
						Checkcode:	032-384-KQW/C		Time Analyzed:	14:06:57	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	386	B	PCB-19	52.2	B	PCB-54	(3.25)		PCB-72	(5.48)	
PCB-2	413	B	PCB-30/18	156	B C	PCB-50/53	32.3	J B C	PCB-68	14.9	J B
PCB-3	238	B	PCB-17	123	B	PCB-45	[12.3]	J B EMPC	PCB-57	(5.74)	
			PCB-27	29.9	B	PCB-51	48.4	B	PCB-58	(5.2)	
Conc.	1,040		PCB-24	(7)		PCB-46	11.9	J B	PCB-67	(4.93)	
EMPC	1,040		PCB-16	[66.8]	B EMPC	PCB-52	251	B	PCB-63	(6.37)	
			PCB-32	87.3	B	PCB-73	[2.02]	J EMPC	PCB-61/70/74/76	154	B C
Di	Conc.	Qualifiers	PCB-34	(9.85)		PCB-43	7.03	J B	PCB-66	65.2	B
PCB-4	234	B	PCB-23	(9.64)		PCB-69/49	106	B C	PCB-55	(5.27)	
PCB-10	12.9	J B	PCB-26/29	47.7	B C	PCB-48	27.6	B	PCB-56	[17.2]	J B EMPC
PCB-9	16.8	J B	PCB-25	21.1	B	PCB-44/47/65	263	B C	PCB-60	15.1	J B
PCB-7	19.8	J B	PCB-31	126	B	PCB-59/62/75	14	J B C	PCB-80	(5.72)	
PCB-6	42.3	B	PCB-28/20	163	B C	PCB-42	36.7	B	PCB-79	(5.03)	
PCB-5	6.68	J	PCB-21/33	74.1	B C	PCB-41	[10.3]	J B EMPC	PCB-78	(6.3)	
PCB-8	152	B	PCB-22	40.2	B	PCB-71/40	49.4	B C	PCB-81	(6.15)	
PCB-14	(9.32)		PCB-36	(8.16)		PCB-64	53	B	PCB-77	5.43	J
PCB-11	1,790	B	PCB-39	(9.19)							
PCB-13/12	(9.25)	C	PCB-38	(8.92)							
PCB-15	42.2	B	PCB-35	(9.48)							
			PCB-37	21.8	B						
Conc.	2,310		Conc.	944					Conc.	1,150	
EMPC	2,310		EMPC	1,010					EMPC	1,200	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com </div>											
						Totals		Conc.		EMPC	
						Mono-Tri		4,290		4,360	
						Tetra-Hexa		2,680		2,970	
						Hepta-Deca		41.2		175	
						Mono-Deca		7,010		7,510	

Sample ID: Field Blank Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(2.04)		PCB-109/119/86/97/125/87	126	B C	PCB-155	(1.51)		PCB-165	(2.17)	
PCB-96	(2.11)		PCB-117	[3.83]	J B EMPC	PCB-152	(1.47)		PCB-146	18.5	J B
PCB-103	(6.21)		PCB-116/85	24.4	J B C	PCB-150	(1.71)		PCB-161	(1.83)	
PCB-94	(7.4)		PCB-110	167	B	PCB-136	35.7	B	PCB-153/168	104	B C
PCB-95	216	B	PCB-115	(4.56)		PCB-145	(1.58)		PCB-141	[20.2]	B EMPC
PCB-100/93	(6.57)	C	PCB-82	[14.3]	J B EMPC	PCB-148	(2.38)		PCB-130	(3.26)	
PCB-102	[9.03]	J B EMPC	PCB-111	(4.96)		PCB-151/135	60.9	B C	PCB-137	(3.04)	
PCB-98	(5.61)		PCB-120	(4.11)		PCB-154	[2.37]	J EMPC	PCB-164	(1.85)	
PCB-88	(6.86)		PCB-108/124	6.45	J C	PCB-144	[11.1]	J B EMPC	PCB-163/138/129	120	B C
PCB-91	38.8	B	PCB-107	8.27	J B	PCB-147/149	136	B C	PCB-160	(2.18)	
PCB-84	68	B	PCB-123	(4.92)		PCB-134	[9.73]	J B EMPC	PCB-158	12.4	J B
PCB-89	(6.46)		PCB-106	(4.95)		PCB-143	(2.56)		PCB-128/166	[17.4]	J B EMPC C
PCB-121	(4.3)		PCB-118	97.4	B	PCB-139/140	(2.35)	C	PCB-159	(3.69)	
PCB-92	[36]	B EMPC	PCB-122	(6.55)		PCB-131	(2.7)		PCB-162	(4.42)	
PCB-113/90/101	230	B C	PCB-114	[3.83]	J EMPC	PCB-142	(2.78)		PCB-167	(4.46)	
PCB-83	[8.32]	J B EMPC	PCB-105	[32.3]	B EMPC	PCB-132	56.1	B	PCB-156/157	[9.56]	J B EMPC C
PCB-99	[72.8]	B EMPC	PCB-127	(5.6)		PCB-133	(2.42)		PCB-169	(5.33)	
PCB-112	(4.15)		PCB-126	(6.68)							
			Conc.	983					Conc.	543	
			EMPC	1,160					EMPC	613	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.18)		PCB-174	[24.9]	B EMPC	PCB-202	[5.43]	J EMPC	PCB-208	(7.85)	
PCB-179	[12.9]	J B EMPC	PCB-177	[10.8]	J B EMPC	PCB-201	[2.66]	J EMPC	PCB-207	(8.65)	
PCB-184	(2.21)		PCB-181	(4.22)		PCB-204	(3.12)		PCB-206	(16)	
PCB-176	(2.45)		PCB-171/173	[8.02]	J EMPC C	PCB-197	(3.42)				
PCB-186	(2.04)		PCB-172	[5.09]	J EMPC	PCB-200	(3.53)		Conc.	0	
PCB-178	(3.17)		PCB-192	(3.58)		PCB-198/199	[5.05]	J B EMPC C	EMPC	0	
PCB-175	(4.48)		PCB-180/193	[26]	J B EMPC C	PCB-196	5.25	J B			
PCB-187	29.2	B	PCB-191	(4.17)		PCB-203	[6.76]	J B EMPC	Deca	Conc.	Qualifiers
PCB-182	(3.71)		PCB-170	[9.26]	J B EMPC	PCB-195	(6.03)		PCB-209	(9.84)	
PCB-183	[14]	J B EMPC	PCB-190	6.75	J	PCB-194	(6.37)				
PCB-185	[2.83]	J EMPC	PCB-189	(5.31)		PCB-205	(5.95)				
			Conc.	35.9		Conc.	5.25				
			EMPC	150		EMPC	25.2				



Sample ID: Method Blank B9847_21458


Client Data		Sample Data		Laboratory Data					
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9847	Date Received:	n/a		
Project ID:	M243309	Weight/Volume:	1	Sample ID:	MB1_21458_PCB_SDS	Date Extracted:	09-Sep-2024		
Date Collected:	n/a			QC Batch No.:	21458	Date Analyzed:	08-Oct-2024		
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery	
	pg	pg	pg			%		%	
PCB-77 33'44'-TeCB	ND	5.77			ES PCB-1	41			
PCB-81 344'5'-TeCB	ND	5.4			ES PCB-3	44.2			
PCB-105 233'44'-PeCB	EMPC		24.6		ES PCB-4	47.9			
PCB-114 2344'5'-PeCB	ND	4.49			ES PCB-15	57.8			
PCB-118 23'44'5'-PeCB	81.1				ES PCB-19	55.7			
PCB-123 23'44'5'-PeCB	EMPC		3.04	J	ES PCB-37	50.1			
PCB-126 33'44'5'-PeCB	ND	5.65			ES PCB-54	49.1	AS PCB-32	70.3	
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		8.12	J C	ES PCB-77	48	AS PCB-97	65.1	
PCB-167 23'44'55'-HxCB	EMPC		4.71	J	ES PCB-81	48.3	AS PCB-159	78.7	
PCB-169 33'44'55'-HxCB	6.57			J	ES PCB-104	62.3			
PCB-189 233'44'55'-HpCB	EMPC		3.29	J	ES PCB-105	57.2			
					ES PCB-114	53.7			
TEQs (WHO 2005 M/H)					ES PCB-118	60			
					ES PCB-123	58.6			
ND = 0	0.2		0.201		ES PCB-126	45.1			
ND = 0.5 x DL	0.483		0.484		ES PCB-153	70.1			
ND = DL	0.767		0.768		ES PCB-155	72.8			
					ES PCB-156/157	50.1			
Totals					ES PCB-167	50.2			
Mono-CB	267				ES PCB-169	42.8			
Di-CB	2,060		2,260		ES PCB-170	106			
Tri-CB	895		951		ES PCB-180	110			
Tetra-CB	1,060		1,100		ES PCB-188	67.7			
Penta-CB	883		1,010		ES PCB-189	73.8			
Hexa-CB	439		536		ES PCB-202	60.8			
Hepta-CB	135		148		ES PCB-205	72.5			
Octa-CB	5.17		17.4		ES PCB-206	75.8			
Nona-CB	ND	8.64			ES PCB-208	93.6			
Deca-CB	ND	8.04			ES PCB-209	67.9			
					SS PCB-28	94			
Total PCB (Mono-Deca)	5,750		6,290		SS PCB-111	99.7			
					SS PCB-178	90.5			

Checkcode: 801-948-TMN/C

SGS North America - PCB v0.99

Report Created: 11-Oct-2024 12:41 Analyst: JJ

Sample ID: Method Blank B9847_21458 Method 1668C

Client Data			Sample Data			Laboratory Data					
Name:	Mostardi-Platt		Matrix:	Air		Project No.:	B9847		Date Received:	n/a	
Project ID:	M243309		Weight/Volume:	1		Sample ID:	MB1_21458_PCB_SDS		Date Extracted:	09-Sep-2024	
Date Collected:	n/a		Units	pg		QC Batch No.:	21458		Date Analyzed:	08-Oct-2024	
						Checkcode:	801-948-TMN/C		Time Analyzed:	06:17:23	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	122		PCB-19	54.6		PCB-54	(2.18)		PCB-72	(4.81)	
PCB-2	79.9		PCB-30/18	133	C	PCB-50/53	29.9	J C	PCB-68	13.6	J
PCB-3	65.2		PCB-17	119		PCB-45	18.3	J	PCB-57	(5.04)	
			PCB-27	[26.9]	EMPC	PCB-51	40.7		PCB-58	(4.56)	
Conc.	267		PCB-24	(5.77)		PCB-46	[10.8]	J EMPC	PCB-67	(4.33)	
EMPC	267		PCB-16	65.5		PCB-52	239		PCB-63	(5.59)	
			PCB-32	77.1		PCB-73	(2.37)		PCB-61/70/74/76	136	C
Di	Conc.	Qualifiers	PCB-34	(7.31)		PCB-43	[4.91]	J EMPC	PCB-66	64.1	
PCB-4	[204]	EMPC	PCB-23	(7.16)		PCB-69/49	97.3	C	PCB-55	(4.63)	
PCB-10	12.9	J	PCB-26/29	41.1	C	PCB-48	23		PCB-56	20.9	
PCB-9	14.3	J	PCB-25	19.9	J	PCB-44/47/65	244	C	PCB-60	[12.7]	J EMPC
PCB-7	21.1		PCB-31	120		PCB-59/62/75	11.1	J C	PCB-80	(5.02)	
PCB-6	40.6		PCB-28/20	153	C	PCB-42	31.8		PCB-79	(4.42)	
PCB-5	(8.48)		PCB-21/33	73.1	C	PCB-41	[7.11]	J EMPC	PCB-78	(5.53)	
PCB-8	138		PCB-22	38		PCB-71/40	48	C	PCB-81	(5.4)	
PCB-14	(8.22)		PCB-36	(6.06)		PCB-64	47.4		PCB-77	(5.77)	
PCB-11	1,790		PCB-39	(6.82)							
PCB-13/12	(8.16)	C	PCB-38	(6.62)							
PCB-15	43.4		PCB-35	[8.29]	J EMPC						
			PCB-37	[20.4]	EMPC						
Conc.	2,060		Conc.	895					Conc.	1,060	
EMPC	2,260		EMPC	951					EMPC	1,100	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com </div>											
						Totals		Conc.		EMPC	
						Mono-Tri		3,220		3,480	
						Tetra-Hexa		2,390		2,640	
						Hepta-Deca		140		165	
						Mono-Deca		5,750		6,290	

Sample ID: Method Blank B9847_21458 Method 1668C

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(2.59)		PCB-109/119/86/97/125/87	106	J C	PCB-155	(2.24)		PCB-165	(3.06)	
PCB-96	(2.68)		PCB-117	[5.16]	J EMPC	PCB-152	(2.18)		PCB-146	17.7	J
PCB-103	(5.39)		PCB-116/85	[19.2]	J EMPC C	PCB-150	(2.53)		PCB-161	(2.58)	
PCB-94	(6.42)		PCB-110	144		PCB-136	[31.1]	EMPC	PCB-153/168	83	C
PCB-95	191		PCB-115	(3.96)		PCB-145	(2.34)		PCB-141	[18.4]	J EMPC
PCB-100/93	4.19	J C	PCB-82	13.4	J	PCB-148	(3.35)		PCB-130	(4.59)	
PCB-102	8.83	J	PCB-111	(4.3)		PCB-151/135	60.1	C	PCB-137	(4.29)	
PCB-98	(4.87)		PCB-120	(3.57)		PCB-154	(3.21)		PCB-164	(2.6)	
PCB-88	(5.95)		PCB-108/124	(4.49)	C	PCB-144	[6.36]	J EMPC	PCB-163/138/129	99.5	C
PCB-91	31.1		PCB-107	[4.45]	J EMPC	PCB-147/149	126	C	PCB-160	(3.08)	
PCB-84	[55.2]	EMPC	PCB-123	[3.04]	J EMPC	PCB-134	[6.43]	J EMPC	PCB-158	[9.72]	J EMPC
PCB-89	(5.61)		PCB-106	(4.3)		PCB-143	(3.6)		PCB-128/166	[8.92]	J EMPC C
PCB-121	(3.73)		PCB-118	81.1		PCB-139/140	[3.1]	J EMPC C	PCB-159	(3.09)	
PCB-92	40.7		PCB-122	(5.67)		PCB-131	(3.81)		PCB-162	(3.7)	
PCB-113/90/101	199	C	PCB-114	(4.49)		PCB-142	(3.91)		PCB-167	[4.71]	J EMPC
PCB-83	[11.7]	J EMPC	PCB-105	[24.6]	EMPC	PCB-132	45.9		PCB-156/157	[8.12]	J EMPC C
PCB-99	63.9		PCB-127	(4.45)		PCB-133	(3.4)		PCB-169	6.57	J
PCB-112	[1.43]	J EMPC	PCB-126	(5.65)							
			Conc.	883					Conc.	439	
			EMPC	1,010					EMPC	536	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.74)		PCB-174	21.8		PCB-202	(2.25)		PCB-208	(5.33)	
PCB-179	16.5	J	PCB-177	11.8	J	PCB-201	(2.72)		PCB-207	(5.88)	
PCB-184	(2.77)		PCB-181	(5.14)		PCB-204	(2.36)		PCB-206	(11.9)	
PCB-176	5.78	J	PCB-171/173	(6.01)	C	PCB-197	(2.59)				
PCB-186	(2.55)		PCB-172	(6.17)		PCB-200	[2.47]	J EMPC	Conc.	0	
PCB-178	7.28	J	PCB-192	(4.36)		PCB-198/199	[5.78]	J EMPC C	EMPC	0	
PCB-175	(5.45)		PCB-180/193	29.2	J C	PCB-196	5.17	J			
PCB-187	24.4		PCB-191	(5.08)		PCB-203	[3.95]	J EMPC	Deca	Conc.	Qualifiers
PCB-182	(4.53)		PCB-170	[9.77]	J EMPC	PCB-195	(6.58)		PCB-209	(8.04)	
PCB-183	17.7	J	PCB-190	(5.26)		PCB-194	(6.95)				
PCB-185	(5.63)		PCB-189	[3.29]	J EMPC	PCB-205	(6.49)				
			Conc.	135		Conc.	5.17				
			EMPC	148		EMPC	17.4				



Sample Receipt Notification

5500 Business Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager: Tamara Burkamper
Receipt Date & Time: 22-Aug-24 at 08:24
AP Project name: B9847
Requested TAT: 15 business days
Projected due date: 13-Sep-24
Matrix: Air - M23
Phone#: 910-794-1613
Email Address: Tamara.Burkamper@sgs.com

Company Contact: Jena Ghanma
Company: Mostardi-Platt
Project Name & Site: M243309
Project PO#:
QAAP/Contract #: n/a
Requested Analysis: EPA M23 - PCB & PAH
Phone#: 630.993.2685
Email Address: jghanma@mp-mail.com

Received Temps (°C)

Client Smp ID	AP Smp ID	Components	Sampling Date	Sampling Time	XAD	Solvent Rinse(s)	Container #	Shipping #
Test #1 Mill on	B9847_001	Filter #1, Impinger Catch and Wash, T4584_004, Ace/Tol.	13-Aug-24	n/a	4.3	4.3	1	N/A
Test #2 Mill on	B9847_002	Filter #1, Impinger Catch and Wash, T4584_006, Ace/Tol.	14-Aug-24	n/a	4.3	4.3	1	N/A
Test #3 Mill on	B9847_003	Filter #1, Impinger Catch and Wash, T4584_007, Ace/Tol.	14-Aug-24	n/a	4.3	4.3	1	N/A
Test #4 Mill on	B9847_004	Filter #1, Impinger Catch and Wash, T4584_010, Ace/Tol.	15-Aug-24	n/a	4.3	4.3	1	N/A
Test #1 Mill off	B9847_005	Filter #1, Impinger Catch and Wash, T4584_005, Ace/Tol.	13-Aug-24	n/a	4.3	4.3	1	N/A
Test #2 Mill off	B9847_006	Filter #1, Impinger Catch and Wash, T4584_009, Ace/Tol.	14-Aug-24	n/a	4.3	4.3	1	N/A
Test #3 Mill off	B9847_007	Filter #1, Impinger Catch and Wash, T4584_003, Ace/Tol.	15-Aug-24	n/a	4.3	4.3	1	N/A
Field Blank	B9847_008	Filter #1, Impinger Catch and Wash, T4584_002, Ace/Tol.	15-Aug-24	n/a	4.3	4.3	1	N/A

Sample Seals Intact: No **Sample(s) Condition:** Intact

Notes/Comments:

Samples received intact. RB not received

Any un-extracted sample will be stored for 90 days from reporting date.
Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Malachi Clark

Logged in by: Malachi Clark

QC'ed by: AK 26 Aug 24

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via:

http://www.sgs.com/terms_and_conditions.htm

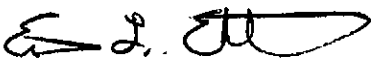

SGS North America

69847

Chain-of-Custody Form

Project Number: M243309				Date Results Required:		
Client: Ash Grove				TAT Required:		
Plant/Test Location: Chanute Cement Plant/Main Kiln				Project Supervisor: EE		
PO#:						
Sample Number	Sample Date	Sample Point Identification	# of Conts	Sub Lab	Analysis Required	Volume, mls
001	8/13/24	#1 Mill On M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	
002	8/13/24	#1 Mill On M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	
003	8/14/24	#2 Mill On M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	
004	8/14/24	#2 Mill On M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	
005	8/14/24	#3 Mill On M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	
006	8/14/24	#3 Mill On M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	
007	8/15/24	#4 Mill On M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	
008	8/15/24	#4 Mill On M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	
009	8/13/24	#1 Mill Off M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	
010	8/13/24	#1 Mill Off M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	
011	8/14/24	#2 Mill Off M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	
012	8/14/24	#2 Mill Off M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	MC 8/22/24
013	8/15/24	#3 Mill Off M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	

69847

014	8/15/24	#3 Mill Off M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	
015	8/15/24	Field Blank M23 Acetone/Toluene Wash, Filter, Trap	3	SGS	M23 – PCB/PAHs only	
016	8/15/24	Field Blank M23 Impinger catch and washes	1	SGS	M23 – PCB/PAHs only	
017	8/15/24	Reagent Blanks	3		HOLD	did not receive
Delivered to Lab by: Eric Ehlers Date/Time: 		Received by:  Date/Time: 8/22/24 8:24		Processed by: _____ Date/Time: _____		

Laboratory Notes:

Client prep - JFX
Chilled with wet Ice/Blue Ice
4.3° IR5

B9847

Type & Quantity of Sampling Modules	SGS	Client Information
Qty. XAD Traps: <u>10</u> Resin Batch No.: <u>5005-275</u> Qty. PUF: <u>n/a</u> PUF Batch No.: <u>n/a</u> Filter Size: <u>82.6 mm</u> Qty. Filter: <u>12</u> Filter Batch #: <u>1817156</u> Qty. Petri Dishes: <u>10</u> # of BCS3 & MB: <u>1</u>	Sampling Module Request Form Trap Order #: T4584	Company: <u>Mostardi-Platt</u> Contact: <u>Jenna Ghanma</u> Email: <u>JGhanma@mp-mail.com</u> Phone: <u>630-993-2685</u> Project Name: <u>Chaunte/PCB and PAH Testing</u> PO#: <u>tbd</u> Order Date: <u>15-Jul-24</u> Arrival Date: <u>7-Aug-24</u>
Client Specific Instructions use rental traps as needed email tracking number	Following sample recovery, please return this form with the field samples to: 5500 Business Dr. Wilmington, NC 28405 Ph.: 910-794-1613 Fax.: 910-794-3919	Ship To: <u>Holiday Inn Express</u> <u>and Suites New Boston Texas</u> <u>Attn Guest Eric Ehlers Rm. 113</u> <u>1018 N Center St.</u> <u>New Boston, TX 75570</u> <u>630-993-2685</u>
Other Requirements	Please be aware of your trap batch # QC begins when we prep your traps. The Method Blanks and BCS ₃ are prepared simultaneously with the trap and are properly stored until the trap batch returns for analysis.	Analyses <div style="text-align: center; font-size: 1.2em;">PCB, PAH</div>
Spike Profile Vol. PCDD/F: 40µL Solution ID: <u>N/A</u> Amount: <u>1.6-4 ng</u> Vial ID: <u>N/A</u> Expiration: <u></u> Vol. HR PAH: 80 µL (40ng) Solution ID: <u>PAH 55</u> Amount: <u>0.5 ng/µL</u> Vial ID: <u>27-97-1</u> Expiration: <u>8/15-24</u> Vol. HR PCB: 40 µL (4ng) Solution ID: <u>PCB 15/55</u> Amount: <u>0.1 ng/µL</u> Vial ID: <u>27-113-2</u> Expiration: <u>7/15-25</u>	We recommend keeping trap batches together and if a set of traps is to be split into multiple projects, please let us know so we can prepare extra Method Blanks/BCS ₃ . Spike By: <u>2/8/24</u> Witness: <u>8/6/24</u> Pipette ID: <u>CH48147</u>	Additional Information AP Rental Traps Qty.: <u>0</u> Air Bill #: <u></u> # Containers: <u></u> Ship Date: <u>8/6/2024</u>

Ref:
 Date: 06Aug24
 Dep:
 Mgt: 18.50 LBS
 DV:
 SHIPING: 48.30
 SPECIAL: 9.95
 HANDLING: 0.00
 TOTAL: 58.25
 See: PRIORITY OVERNIGHT
 TRK: 7443 5926 3938



Project Initiation Form

Project Number: B9847

Initiation Date: 28-Aug-24

Client Name: Mostardi-Platt

Sample Matrix: Air - M23

Analysis Method: 1668C

TAT: 15 days

PAH

Project Manager: Tamara

Special Instructions

M1668C, PAH
BCS3 - T4584

Follow new M23 guidelines for all methods

Reporting Instructions

M1668C, PAH
Full Report

follow new M23 SOP

Read & understood Special Instructions:

Reviewed Log-in & initiated Project:

Initial & Date: mm 9/9/24

Initials: akornegay Date: 28-Aug-2024

Read & understood Special Instructions & Reporting Instructions:

Initial & Date: j.f.

10/11/24

SGS

Methods:

PCB
PAHPCDD/F
WHO-2QUANTICS
USVDoD PCDD/F
PESTExtraction
Type:SBS
CLDTALEX
Carbon SPE

Air

Final Volume:

PCB - 20m

PAH - 100m

Batch#	21458	Bal. ID: 7	Split: 1/2 1/4 N/A	Extract Initial/Date: 9/9/24	Clean-up Initial/Date: 9/19/24	Transfer Init/Date: 9/23/24
Lab Sample ID	Extraction Position	Extraction Weight/Volume	pH	Cl ⁻	Observations	Supply Lot #
	Solvent: Hex, pen	g mL				
B9847_21458_001	26					Toluene
B9847_21458_002	27					MeCHL
B9847_21458_003	28					Florisil
B9847_21458_004	29					Hexane
B9847_21458_005	30					Silica
B9847_21458_006	31					S Nitrate
B9847_21458_007	32					Base Silica
B9847_21458_008	33					HydroMatrix
BCS3_21458	1					Tetradecane
MB1_21458	25					H ₂ SO ₄
						A Silica
						Sodium Sulfate
						Acetone
						Additional Cleanup
						Acid Partition Date/Initial:
						Mini-Acid Date/Initial:
						Carbon Column Date/Initial:
						GPC Date/Initial:
						Bond-Elute Date/Initial:
						Cycle Time
						TOL Start: Stop:
						HEX Start: 1805 Stop: 0900
						DCM Start: 1515 Stop: 0815
						Chiller Temp. °C: 9.9, 11.2
						CCLE Temp. °F: 159
						TurboVap Temp. °C: 46
						Soxhlet Reflux Rate ≥ 5/hour
						ON NA

SGS

Methods:

PCB

PCDD/F

QUANTICS

DoD PCDD/F

PAH

WHO-2

USV

PEST

Air

Batch# 21458

Inter-Department Communication Sheet

PAH: 9847-8 screw cap was crooked on GC vial & not screwed down all the way. Sample went dry. DTF 10/11/24

PCB-CS3 nonconformity dc'd by project manager. 10/10/24

Pull archive for B9847-008 for PAH analysis 10/14/24

-BCS3 for the AR-1s had some failures. Using ICAL to quant samples DTF 10/21/24

10/21/24

Batch#	21458	Balance ID:
--------	-------	-------------

Observations Sheet

[illegible]

Batch #	21458
---------	-------

Spiker Initials/Date:

Lab Sample ID

Amount: 80ml

PAHES
Amount: \$0.01

Amount: 80m

7/23/24
PAH JS
Amount: \$0.1

Amount:	
---------	--

Amount:	

B9847 21458 001

B9847 21458 002

B9847 21458 003

B9847 21458 004

B9847 21458 005

B9847 21458 006

B9847 21458 007

B9847 21458 008

BCS3 21458

MB1 21458

Standard Information

Pipette ID

43785354

4378535

437x5714

42755251

Spike ID

244 Ax

PAHES

DATE / /

DAY 3

SIL #

27-76-5

27-109-2

2.2.77-1

27.82.1

Concentration

500 gals

5/20/21

4 needs

12504

Expiration Date

1176/23

7/21/5

17/6/14

2	13	28
---	----	----

Air

21458

Spiker Initials/Date:

Feb 10/14/24

PAHJS

Lab Sample ID

Amount: 80

Amount:

Amount:

Amount:	
---------	--

Amount:	
---------	--

Amount:

Amount:

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

B9847 21458 001

B9847 21458 002

B9847 21458 003

B9847 21458 004

B9847 21458 005

B9847 21458 006

B9847 21458 007

B9847 21458 008

BCS3 21458

MB1 21458

B9847 21458 008-AR1

MB1 21458-AR1

24



7/10/21/22

Standard Information

Pipette ID 43785354

Spike ID PAHJS

SIL # 27-82-1

Concentration 125 μ g/L

Expiration Date 2/13/25

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pah

GC Program: pah

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
6	240930V06	7	BCS3_21458_PAH_VA	1.00	BCS3_21458_PAH_VA	DTF	933-599	30-Sep-2024	18:39:45
7	240930V07	4	SB_240930_PAH_VA	1.00	Isooctane	DTF	073-967	30-Sep-2024	19:26:28
8	240930V08	8	MB1_21458_PAH_SDS	1.00	Method Blank	DTF	375-454	30-Sep-2024	20:13:10
9	240930V16	16	B9847_21458_PAH_008	1.00	Field Blank Archive analyzed	DTF	874-736	01-Oct-2024	02:26:57
10	240930V17	4	SB_240930_PAH_VB	1.00	Isooctane	DTF	161-923	01-Oct-2024	03:13:40
18	240930V18	7	BCS3_21458_PAH_VB	1.00	BCS3_21458_PAH_VB	DTF	657-850	01-Oct-2024	04:00:23
19	240930V20	4	SB_240930_PAH_VC	1.00	Isooctane	DTF	165-655	01-Oct-2024	05:34:56
20	240930V21	17	B9847_21458_PAH_001-D10	1.00	Test #1 Mill on	DTF	452-699	01-Oct-2024	06:21:41
21	240930V22	18	B9847_21458_PAH_002-D10	1.00	Test #2 Mill on	DTF	069-512	01-Oct-2024	07:08:25
22	240930V23	19	B9847_21458_PAH_003-D10	1.00	Test #3 Mill on	DTF	966-963	01-Oct-2024	07:55:11
23	240930V24	20	B9847_21458_PAH_004-D10	1.00	Test #4 Mill on	DTF	513-707	01-Oct-2024	08:41:57
24	240930V25	21	B9847_21458_PAH_005-D10	1.00	Test #1 Mill off	DTF	222-292	01-Oct-2024	09:28:36
25	240930V26	22	B9847_21458_PAH_006-D10	1.00	Test #2 Mill off	DTF	158-302	01-Oct-2024	10:15:16
26	240930V27	23	B9847_21458_PAH_007-D10	1.00	Test #3 Mill off	DTF	894-346	01-Oct-2024	11:01:56
29	240930V29	7	BCS3_21458_PAH_VC	1.00	BCS3_21458_PAH_VC	DTF	254-055	01-Oct-2024	12:35:21

REVIEWED

Tyler_Fritz , 10/2/2024, 11:29:37 AM

REVIEWED

Amber_Kornegay , 10/8/2024, 2:09:57 PM

Instrument: MM6 (AutoSpec-Premier)				MS Experiment: pah		GC Program: pah			
#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
						<div>REVIEWED</div> <div>Tamara Burkamper , 10/21/2024, 12:24:21 PM</div>			
2	241018V02	5	CS3_241018_PAH_VA	1.00	27-80-3	DTF	285-690	18-Oct-2024	10:01:06
5	241018V05	4	SB_241018_PAH_VA	1.00	Isooctane	DTF	377-461	18-Oct-2024	12:46:23
6	241018V06	43	MB1_21458-AR1_PAH_SDS	1.00	Method Blank	DTF	158-571	18-Oct-2024	13:33:00
7	241018V08	44	B9847_21458_PAH_008-AR1	1.00	Field Blank	DTF	191-657	18-Oct-2024	15:06:16
8	241018V10	4	SB_241018_PAH_VB	1.00	Isooctane	DTF	458-078	18-Oct-2024	16:50:28

BCS3_21458 did not meet criteria; sample and method blank quantitated against ICAL/CS3
TB 10/21/2024

REVIEWED
Tyler_Fritz , 10/21/2024, 11:47:31 AM

Acquired: 30 Sep 2024 20:13:10

Lab ID: MB1 21458 PAH SDS

J Level: 4 ng/Train

Nominal ES spike: 40 ng

Checkcode: 375-454-FDH

	Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)		1.2	0.6
Largest -ve RT shift (secs)		-3.1	-0.6

Name	Actual		Pred	Actual	Diff	Conc					
	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.43	E	1.0005	1.0011	+0.4	1.31E+09	-	1.24	600	1.05E+05	0.29500
2-Methylnaphthalene	12.99		1.0004	1.0004	0	2.85E+08	-	1.14	166	1.51E+04	0.04080
Acenaphthylene	15.96	J	1.0006	1.0006	0	4.20E+06	-	0.92	2.78	3.60E+04	0.12400
Acenaphthene	16.52		1.0005	1.0005	0	2.50E+07	-	1.28	17	2.55E+04	0.08450
Fluorene	18.11		1.0005	1.0005	0	3.75E+07	-	1.03	21.6	1.86E+04	0.05060
Phenanthrene	20.83		1.0004	1.0000	-0.5	2.32E+08	-	1.13	62.8	1.93E+04	0.02360
Anthracene	20.98	J	1.0000	1.0000	0	4.77E+06	-	1.20	1.4	1.93E+04	0.02700
Fluoranthene	23.97		1.0000	1.0000	0	5.44E+07	-	0.96	14.6	5.36E+04	0.07030
Pyrene	24.55		1.0000	1.0000	0	5.60E+07	-	1.02	14	5.36E+04	0.06560
Benzo (a) Anthracene	27.64	J	1.0000	1.0000	0	4.55E+05	-	1.15	0.124	1.54E+04	0.02290
Chrysene	27.74	J	1.0003	1.0000	-0.5	2.19E+06	-	1.15	0.505	1.54E+04	0.02170
Benzo (b) Fluoranthene	31.28	J	1.0000	1.0000	0	1.06E+06	-	1.09	0.411	1.35E+04	0.04020
Benzo (k) Fluoranthene	31.40	J	1.0003	1.0000	-0.6	3.85E+05	-	0.94	0.147	1.35E+04	0.04500
Benzo (e) Pyrene	32.45	J	1.0000	1.0000	0	1.19E+06	-	1.18	0.413	1.35E+04	0.04160
Benzo (a) Pyrene	32.70	J	0.9997	1.0003	+1.2	6.80E+05	-	1.16	0.281	1.35E+04	0.05420
Perylene	33.07	J	1.0039	1.0039	0	2.34E+05	-	1.24	0.116	1.35E+04	0.06550
Indeno (1,2,3-cd) Pyrene	39.02	J	1.0004	1.0004	0	5.38E+05	-	1.05	0.294	9.68E+03	0.07800
Dibenzo (a,h) Anthracene	39.18	J	1.0007	0.9994	-3.1	1.97E+05	-	1.14	0.0973	9.45E+03	0.08200
Benzo (ghi) Perylene	40.89	J	1.0006	1.0006	0	2.11E+06	-	1.10	0.928	9.68E+03	0.07480

Datafile: 240930V08

Client ID: Method Blank B9847_21458

Wt/Vol: 1.00 Train

Cal: BCS3_21458_PAH_VAB

Acquired: 30 Sep 2024 20:13:10

Lab ID: MB1_21458_PAH_SDS

J Level: 4 ng/Train

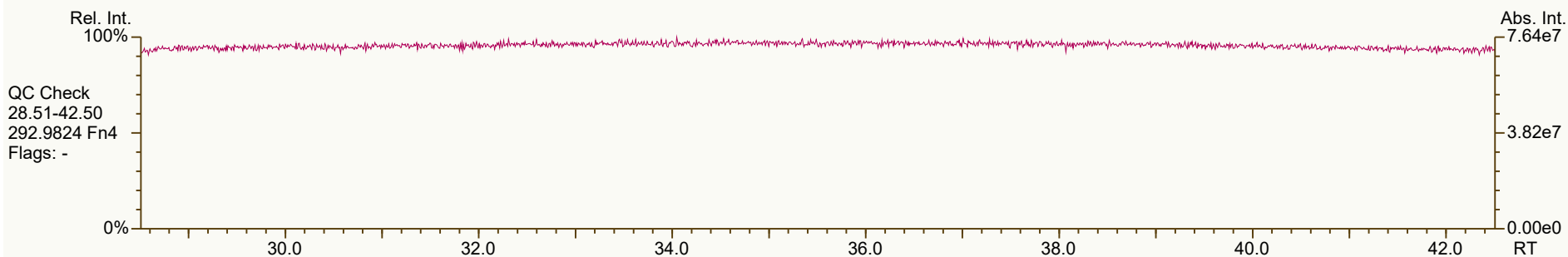
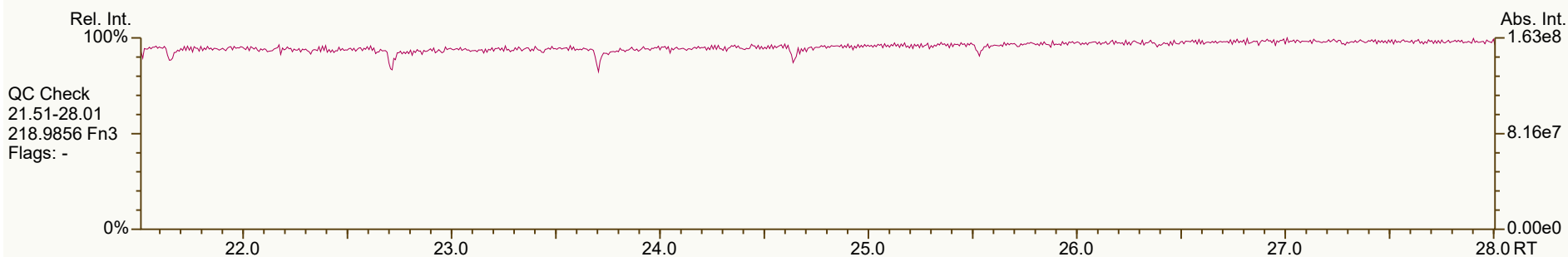
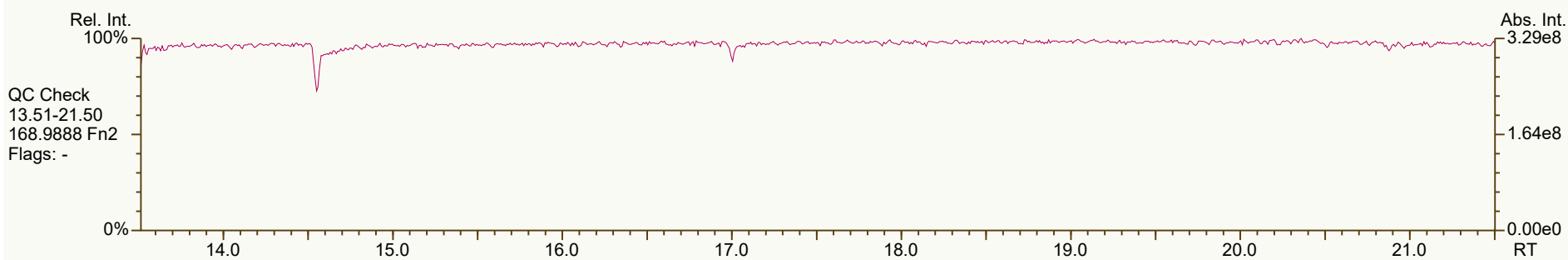
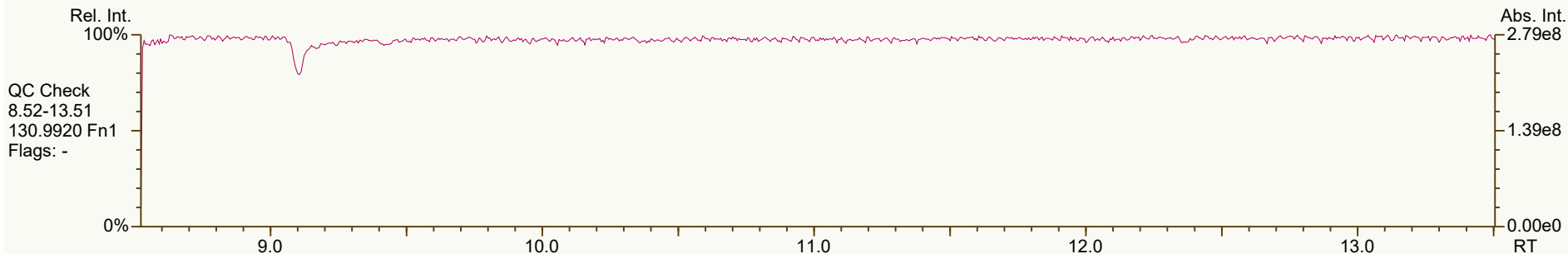
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS	Checkcode: 375-454-FDH				
Largest +ve RT shift (secs)			1.2	0.6					
Largest -ve RT shift (secs)			-3.1	-0.6					
Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.
	RT	QC	RRT	RRT	Secs				
13C6-Naphthalene	10.42	V H	0.8088	0.8094	+0.5	7.00E+07	-	1.45	37.5
13C6-2-Methylnaphthalene	12.99	V	1.0086	1.0086	0	6.05E+07	-	1.04	45.6
13C6-Acenaphthylene	15.95	V	0.9717	0.9717	0	6.54E+07	-	1.54	42.9
13C6-Acenaphthene	16.51	V	1.0060	1.0060	0	4.60E+07	-	0.96	48.4
13C6-Fluorene	18.10	V	1.1028	1.1028	0	6.74E+07	-	1.27	53.7
13C6-Phenanthrene	20.83	V	1.2693	1.2692	-0.1	1.30E+08	-	1.94	67.9
13C6-Anthracene	20.98	V	1.2780	1.2779	-0.1	1.13E+08	-	1.78	64.6
13C6-Fluoranthene	23.97	V	0.9785	0.9782	-0.4	1.55E+08	-	1.23	63.1
13C3-Pyrene	24.55	V	1.0023	1.0020	-0.4	1.56E+08	-	1.21	64.7
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1280	-0.6	1.27E+08	-	0.85	74.7
13C6-Chrysene	27.74		1.1326	1.1322	-0.6	1.51E+08	-	0.94	80.7
13C6-Benzo (b) Fluoranthene	31.28	V	0.9602	0.9602	0	9.40E+07	-	1.36	69.3
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9638	+0.4	1.12E+08	-	1.51	74.2
13C4-Benzo (e) Pyrene	32.45		0.9961	0.9961	0	9.70E+07	-	1.29	75.1
13C4-Benzo (a) Pyrene	32.69		1.0036	1.0034	-0.4	8.37E+07	-	1.18	71.1
dl2-Perylene	32.95		1.0112	1.0112	0	6.49E+07	-	0.91	71.4
13C6-Indeno (1,2,3-cd) Pyrene	39.00		1.1968	1.1971	+0.6	6.96E+07	-	0.94	74.1
13C6-Dibenzo (ah) Anthracene	39.21		1.2031	1.2033	+0.4	7.13E+07	-	0.93	76.4
13C12-Benzo (ghi) Perylene	40.86		1.2539	1.2541	+0.4	8.22E+07	-	1.11	74.4
AS--Anthracene (FS)	20.92	V	1.2748	1.2746	-0.2	9.13E+07	-	1.35	68.8
SS-Fluorene	18.01		0.9956	0.9951	-0.5	6.55E+07	-	0.92	105
SS-Terphenyl	24.92		1.0396	1.0396	0	1.51E+08	-	0.85	114
JS-Methylnaphthalene	12.88		-	-	-	1.28E+08	-	-	-
JS-Acenaphthene	16.42		-	-	-	9.87E+07	-	-	-
JS-Pyrene	24.50		-	-	-	2.00E+08	-	-	-
JS-Benzo (a) Pyrene	32.58		-	-	-	1.00E+08	-	-	-

SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



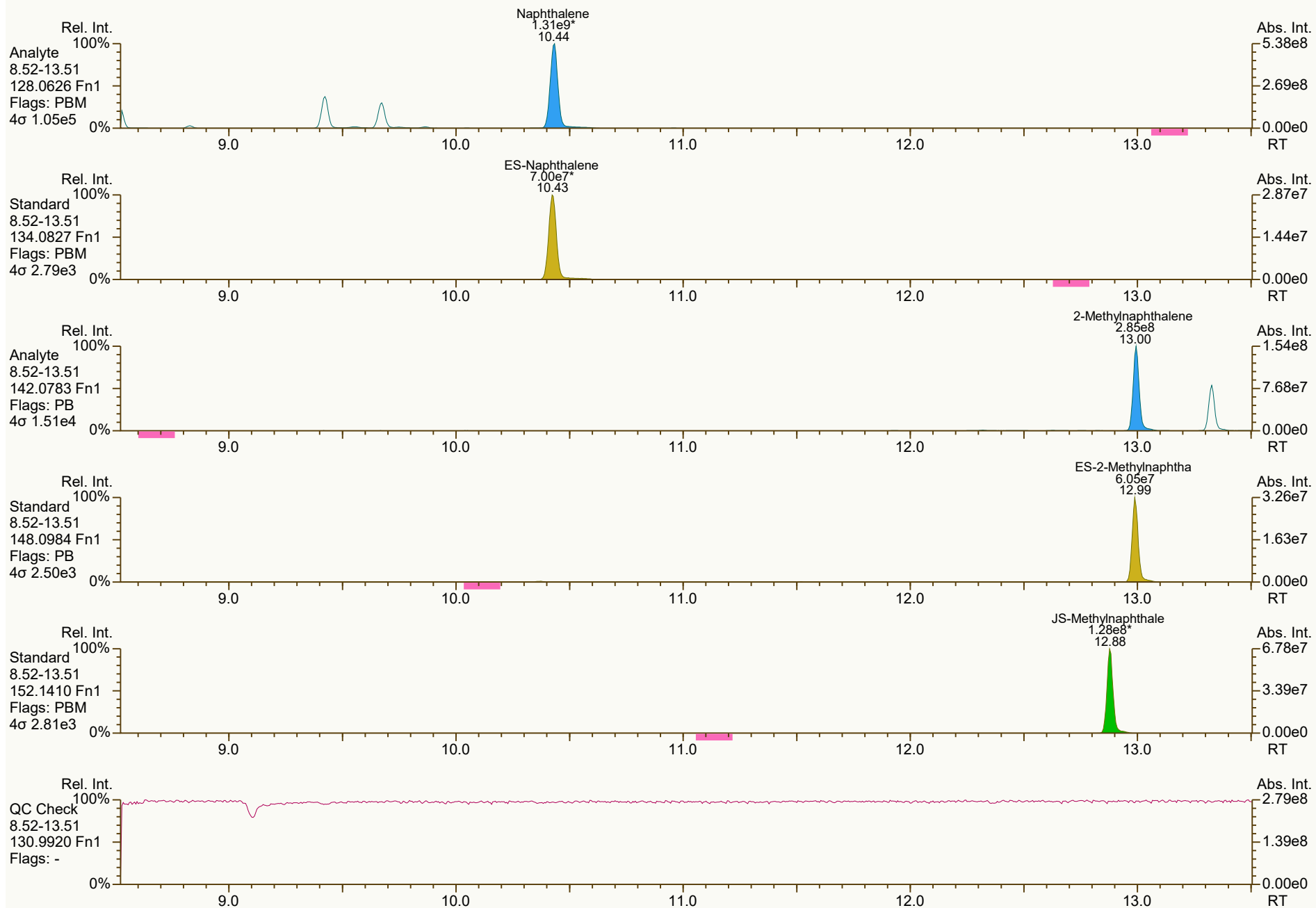
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458_PAH_SDS.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 375-454

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:11 Page 1 of 9

SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458_PAH_SDS.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5567, 8066, 6562, 2162, 2618 scc: 375-454

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:23 (DTF) Printed: 02-Oct-2024 11:11 Page 2 of 9

SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



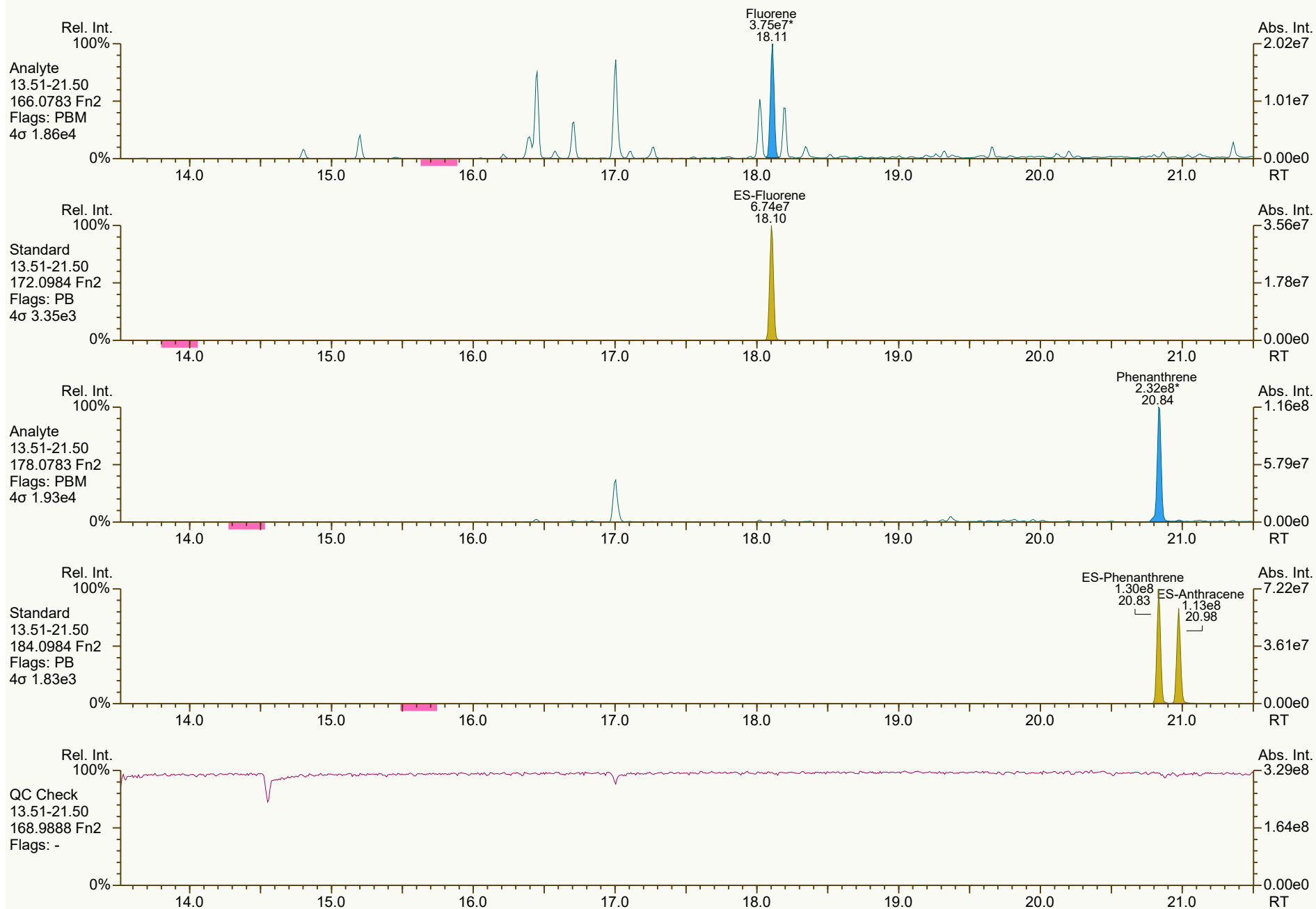
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458_PAH_SDS.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0173, 6735, 7988, 3874, 9833 scc: 375-454

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:23 (DTF) Printed: 02-Oct-2024 11:11 Page 3 of 9

SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



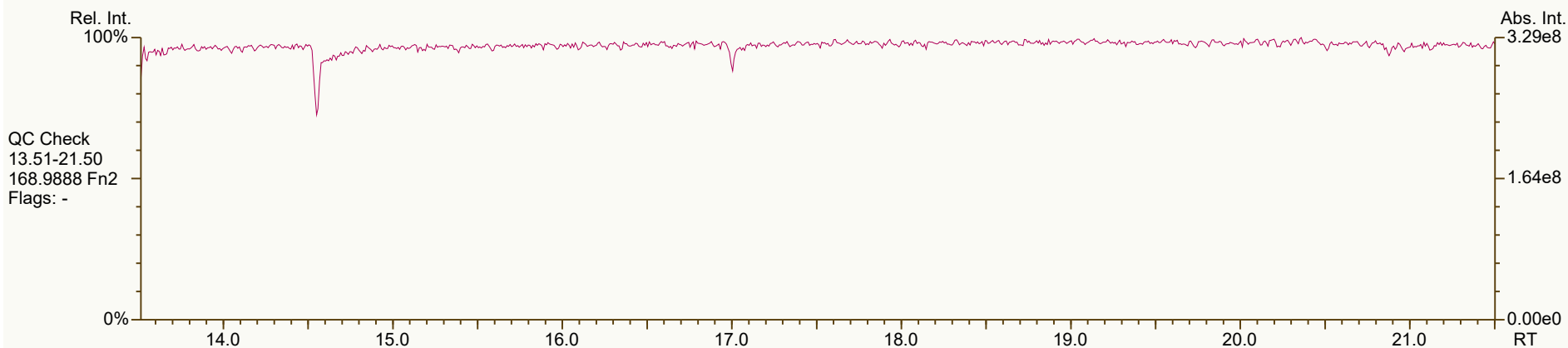
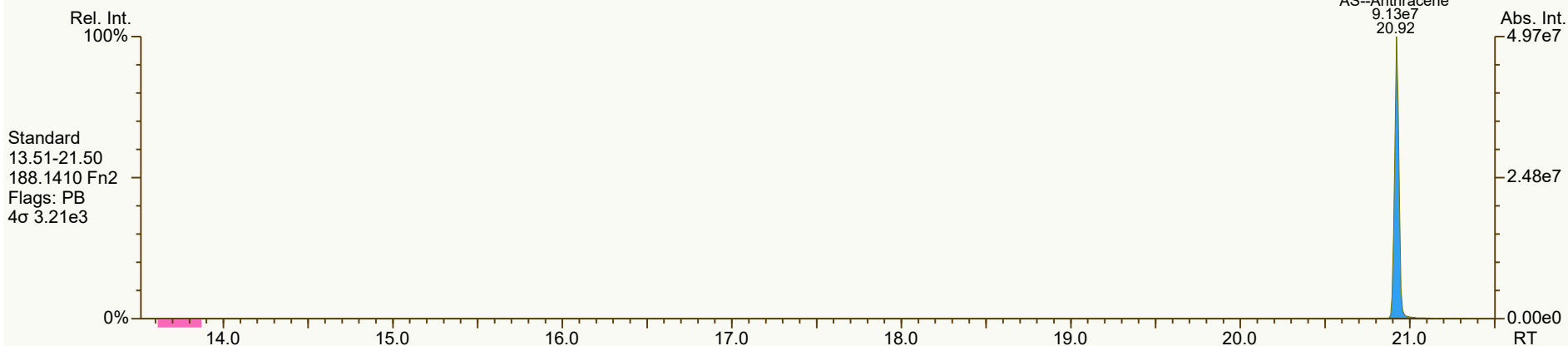
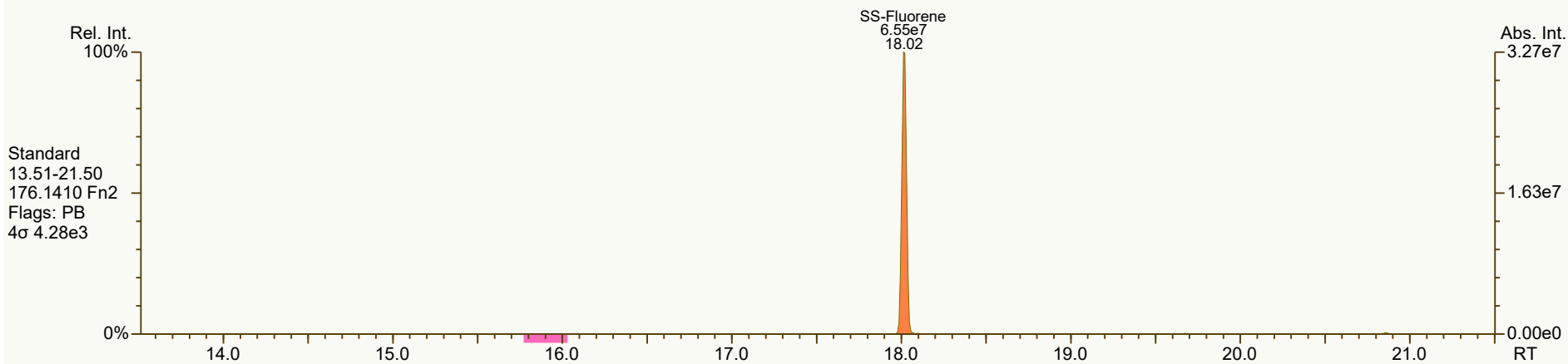
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458_PAH_SDS.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2357, 1975, 1515, 6005 scc: 375-454

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:23 (DTF) Printed: 02-Oct-2024 11:11 Page 4 of 9

SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

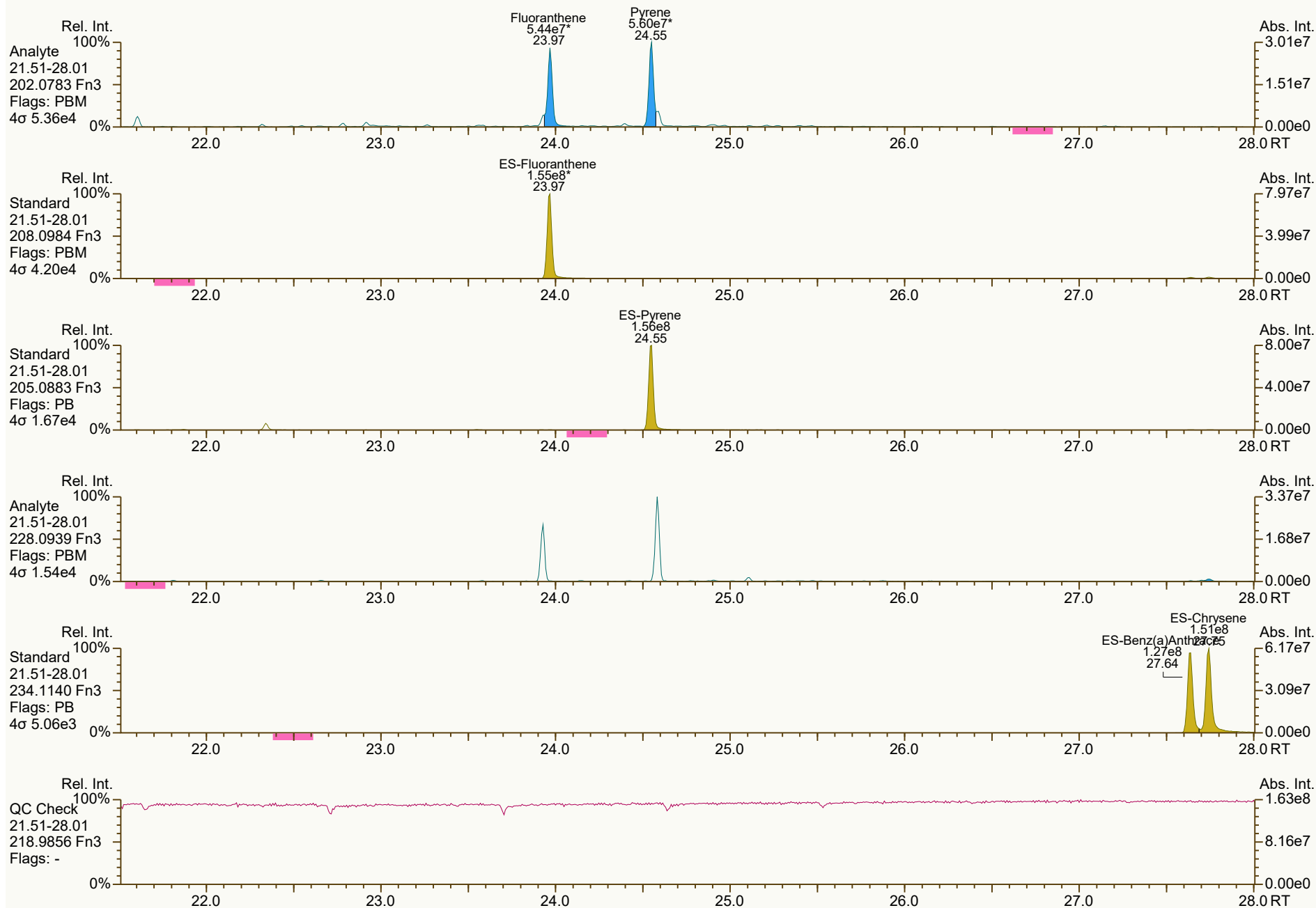
Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



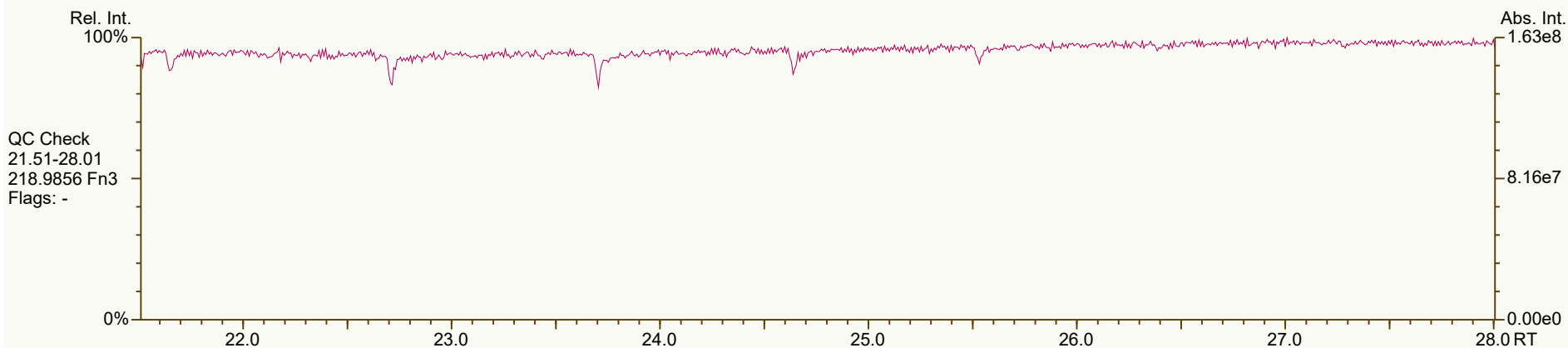
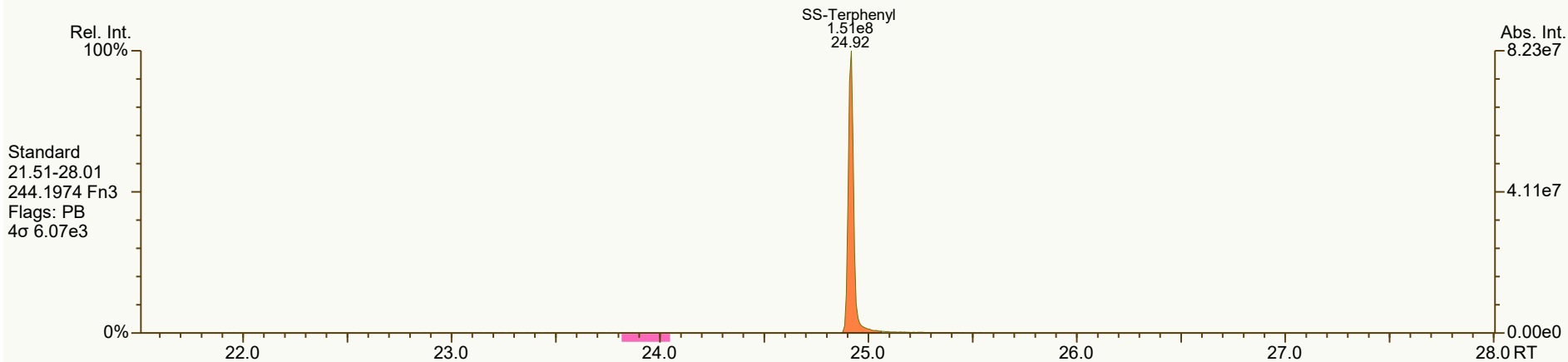
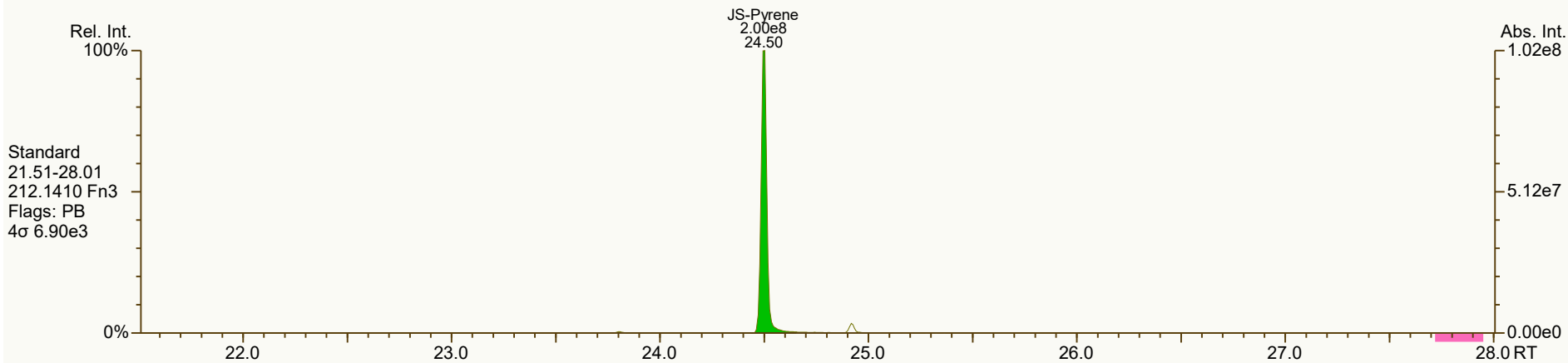
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458_PAH_SDS.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4215, 9337, 0866, 4148, 8605 scc: 375-454

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:24 Printed: 02-Oct-2024 11:11 Page 6 of 9

SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

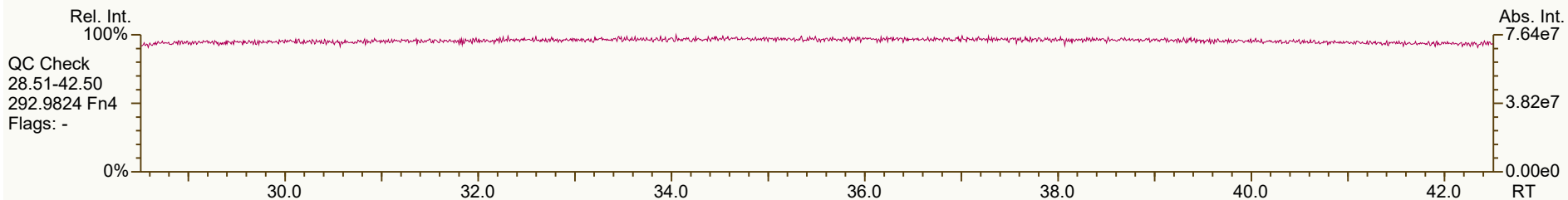
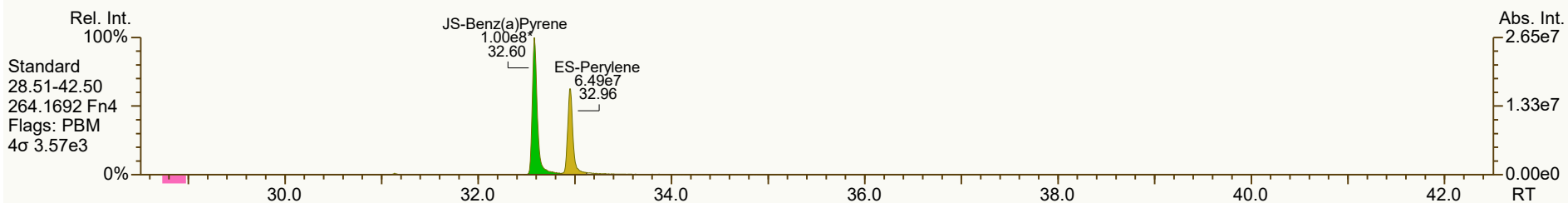
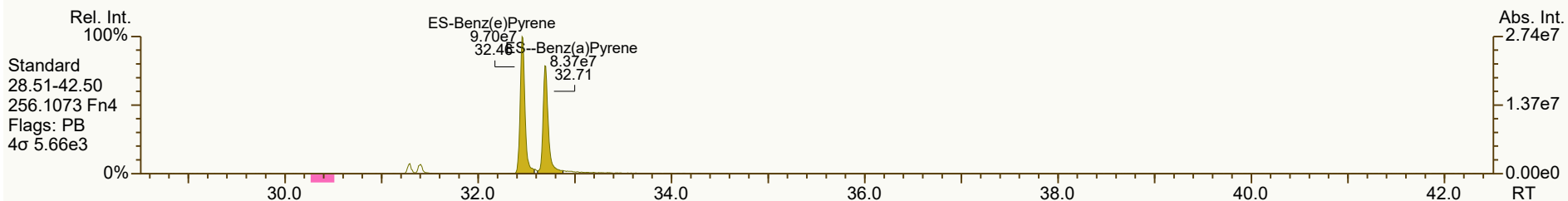
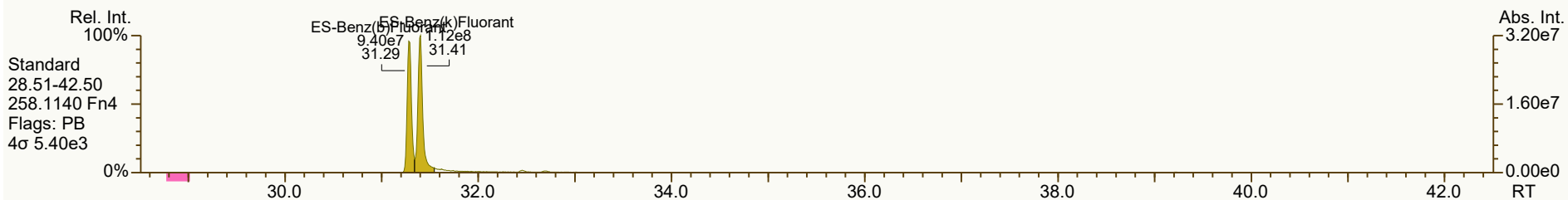
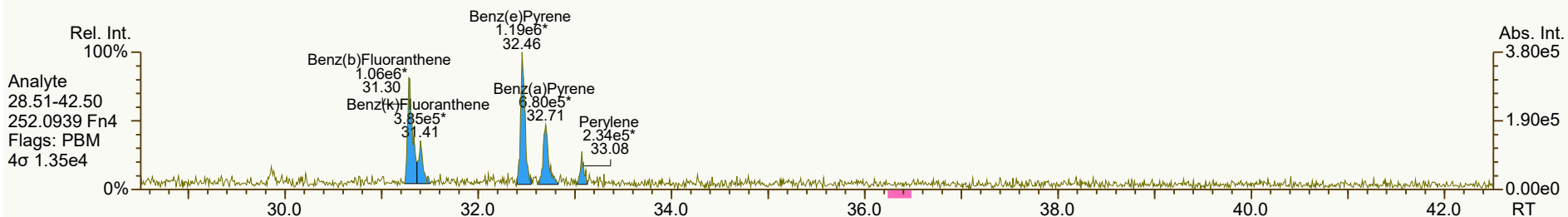
Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



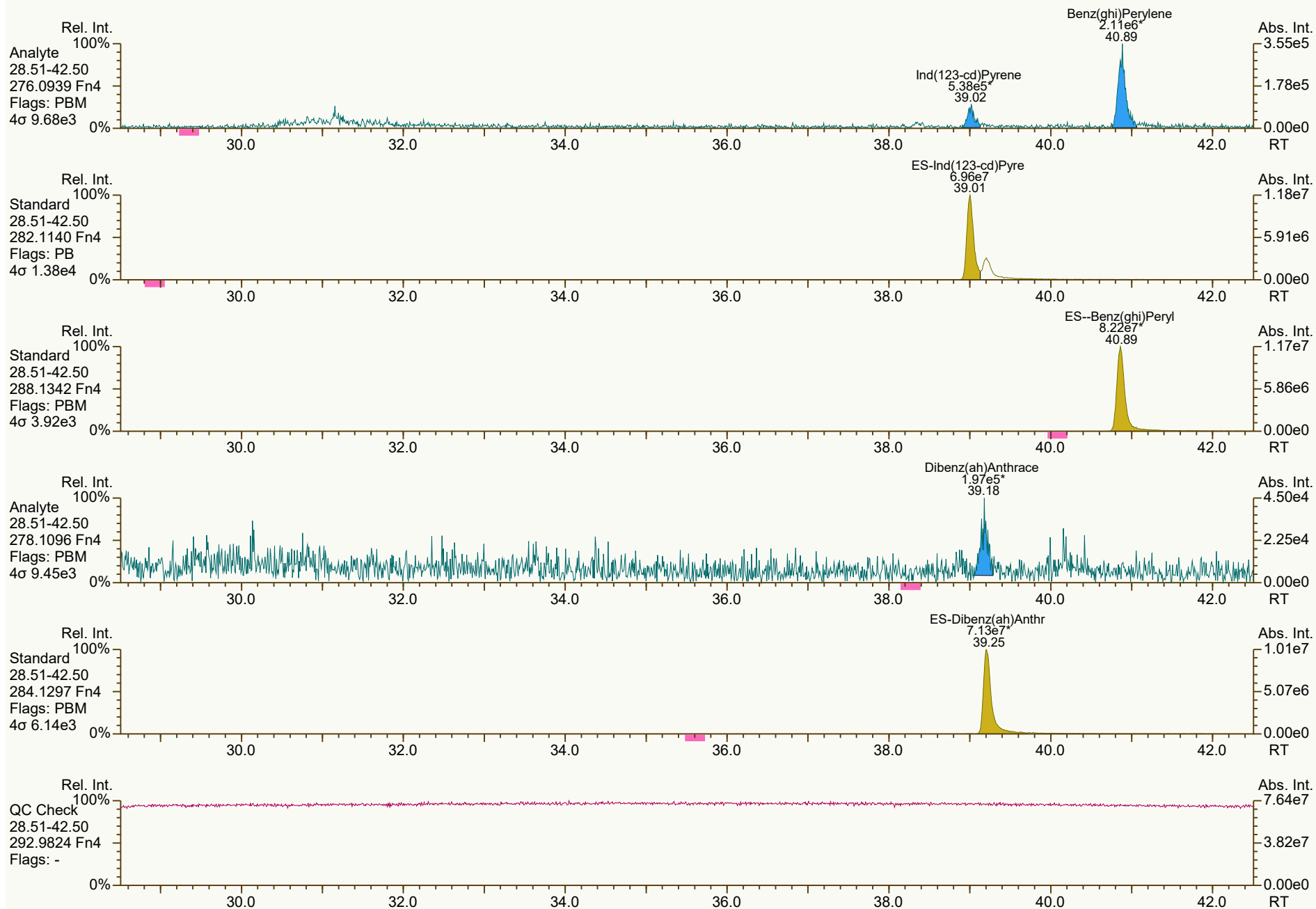
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458_PAH_SDS.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3788, 2633, 7544, 9494 scc: 375-454

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:24 (DTF) Printed: 02-Oct-2024 11:11 Page 8 of 9

SGS ID: MB1_21458_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 8

Acq: 30-Sep-2024 20:13:10
User: DTF Datafile: 240930V08



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458_PAH_SDS.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4882, 0353, 0154, 4629, 4116 scc: 375-454

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:24 (DTF) Printed: 02-Oct-2024 11:11 Page 9 of 9

Acquired: 18 Oct 2024 13:33:00

Lab ID: MB1 21458-AR1 PAH SDS

J Level: 4 ng/Train

Nominal ES spike: 40 ng

Checkcode: 158-571-NCM

	Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)		1.6	0.8
Largest -ve RT shift (secs)		-1.2	-0.6

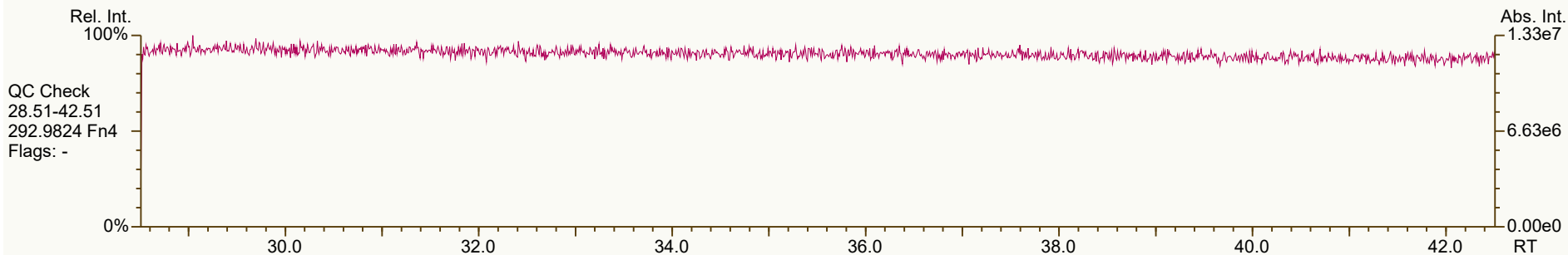
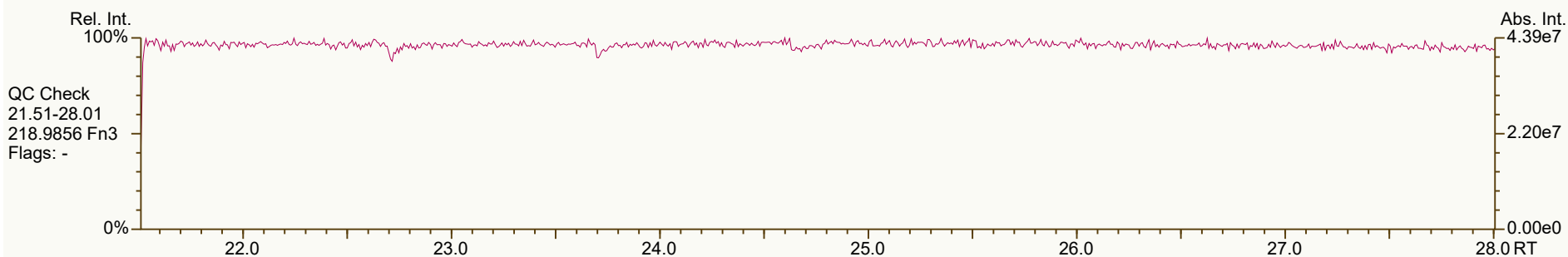
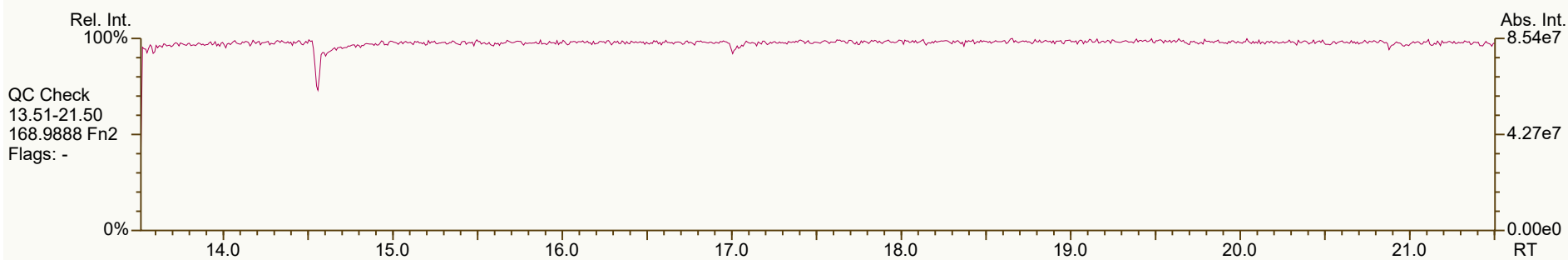
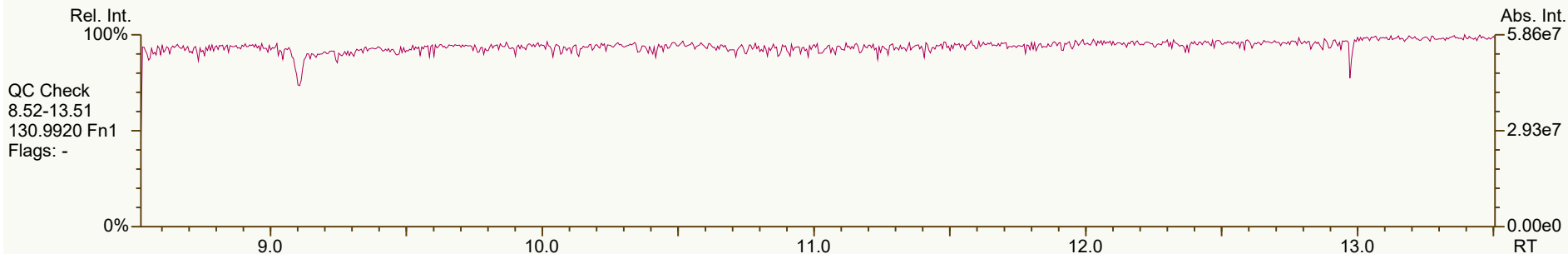
	Actual		Pred	Actual	Diff	Conc					
Name	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.43	E	1.0005	1.0011	+0.4	1.08E+09	-	0.99	539	1.38E+05	0.42900
2-Methylnaphthalene	13.00		1.0004	1.0004	0	2.56E+08	-	1.01	144	2.80E+04	0.07520
Acenaphthylene	15.97	J	1.0006	1.0006	0	2.94E+06	-	0.92	1.98	3.56E+04	0.12000
Acenaphthene	16.52		1.0005	1.0000	-0.5	2.57E+07	-	1.01	20.5	2.91E+04	0.11400
Fluorene	18.11		1.0005	1.0000	-0.5	4.04E+07	-	1.02	21.9	2.13E+04	0.05430
Phenanthrene	20.84		1.0004	1.0000	-0.5	2.78E+08	-	1.00	64.3	3.16E+04	0.03370
Anthracene	20.99	J	1.0000	1.0000	0	1.24E+07	-	1.23	2.7	3.16E+04	0.03500
Fluoranthene	23.97		1.0000	1.0000	0	7.11E+07	-	0.92	16.5	4.97E+04	0.05480
Pyrene	24.55		1.0000	1.0000	0	8.01E+07	-	0.98	16.8	4.97E+04	0.05010
Benzo (a) Anthracene	27.65	J	1.0000	1.0003	+0.5	5.80E+05	-	1.00	0.161	2.38E+04	0.03860
Chrysene	27.74	J	1.0003	1.0000	-0.5	2.57E+06	-	1.01	0.559	2.38E+04	0.03480
Benzo (b) Fluoranthene	31.29	J	1.0000	1.0003	+0.6	1.05E+06	-	0.98	0.442	1.55E+04	0.05260
Benzo (k) Fluoranthene	31.39	J	1.0003	1.0000	-0.6	4.68E+05	-	0.92	0.172	1.55E+04	0.05430
Benzo (e) Pyrene	32.45	J	1.0000	1.0000	0	1.20E+06	-	0.98	0.477	1.55E+04	0.05830
Benzo (a) Pyrene	32.70	J	0.9997	1.0005	+1.6	5.79E+05	-	0.98	0.31	1.55E+04	0.09180
Perylene	33.06	J	1.0039	1.0036	-0.6	2.73E+05	-	1.06	0.193	1.55E+04	0.11400
Indeno (1,2,3-cd) Pyrene	38.99	J	1.0004	1.0000	-0.9	5.16E+05	-	0.92	0.394	1.07E+04	0.14100
Dibenzo (a,h) Anthracene	39.21	J	1.0007	1.0002	-1.2	3.56E+05	-	0.94	0.251	9.94E+03	0.16800
Benzo (ghi) Perylene	40.84	J	1.0006	1.0002	-1.0	2.07E+06	-	0.97	1.04	1.07E+04	0.11300

		Stats	PAH Ax	ES/SS	Checkcode: 158-571-NCM				
Largest +ve RT shift (secs)			1.6	0.8					
Largest -ve RT shift (secs)			-1.2	-0.6					
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Recv.
13C6-Naphthalene	10.42		0.8088	0.8090	+0.2	8.04E+07	-	1.35	53.6
13C6-2-Methylnaphthalene	12.99		1.0086	1.0086	0	7.07E+07	-	0.99	64.1
13C6-Acenaphthylene	15.96		0.9717	0.9723	+0.6	6.45E+07	-	1.37	59.9
13C6-Acenaphthene	16.52		1.0060	1.0065	+0.5	4.95E+07	-	0.91	69.2
13C6-Fluorene	18.11		1.1028	1.1033	+0.5	7.24E+07	-	1.09	84.1
13C6-Phenanthrene	20.84		1.2693	1.2697	+0.4	1.74E+08	-	1.91	115
13C6-Anthracene	20.99		1.2780	1.2784	+0.4	1.50E+08	-	1.35	141
13C6-Fluoranthene	23.97		0.9785	0.9782	-0.4	1.89E+08	-	1.23	86.2
13C3-Pyrene	24.55		1.0023	1.0020	-0.4	1.95E+08	-	1.23	88.4
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1280	-0.6	1.44E+08	-	0.86	93.4
13C6-Chrysene	27.74		1.1326	1.1322	-0.6	1.83E+08	-	1.19	86.2
13C6-Benzo (b) Fluoranthene	31.28		0.9602	0.9604	+0.4	9.64E+07	-	1.28	111
13C6-Benzo (k) Fluoranthene	31.39		0.9636	0.9638	+0.4	1.19E+08	-	1.82	95.9
13C4-Benzo (e) Pyrene	32.45		0.9961	0.9964	+0.6	1.03E+08	-	1.56	97.1
13C4-Benzo (a) Pyrene	32.68		1.0036	1.0034	-0.4	7.60E+07	-	1.23	91.2
dl2-Perylene	32.94		1.0112	1.0112	0	5.34E+07	-	1.13	69.9
13C6-Indeno (1,2,3-cd) Pyrene	38.99		1.1968	1.1972	+0.8	5.73E+07	-	0.85	99.2
13C6-Dibenzo (ah) Anthracene	39.20		1.2031	1.2034	+0.6	6.05E+07	-	0.94	94.7
13C12-Benzo (ghi) Perylene	40.84		1.2539	1.2537	-0.4	8.21E+07	-	1.33	91.1
AS--Anthracene	20.93		1.2748	1.2751	+0.3	1.24E+08	-	1.17	134
SS-Fluorene	18.02		0.9956	0.9951	-0.5	7.13E+07	-	1.00	98.3
SS-Terphenyl	24.92		1.0396	1.0396	0	1.97E+08	-	0.79	131
JS-Methylnaphthalene	12.88		-	-	-	1.11E+08	-	-	-
JS-Acenaphthene	16.42		-	-	-	7.88E+07	-	-	-
JS-Pyrene	24.50		-	-	-	1.78E+08	-	-	-
JS-Benzo (a) Pyrene	32.57		-	-	-	6.79E+07	-	-	-

SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



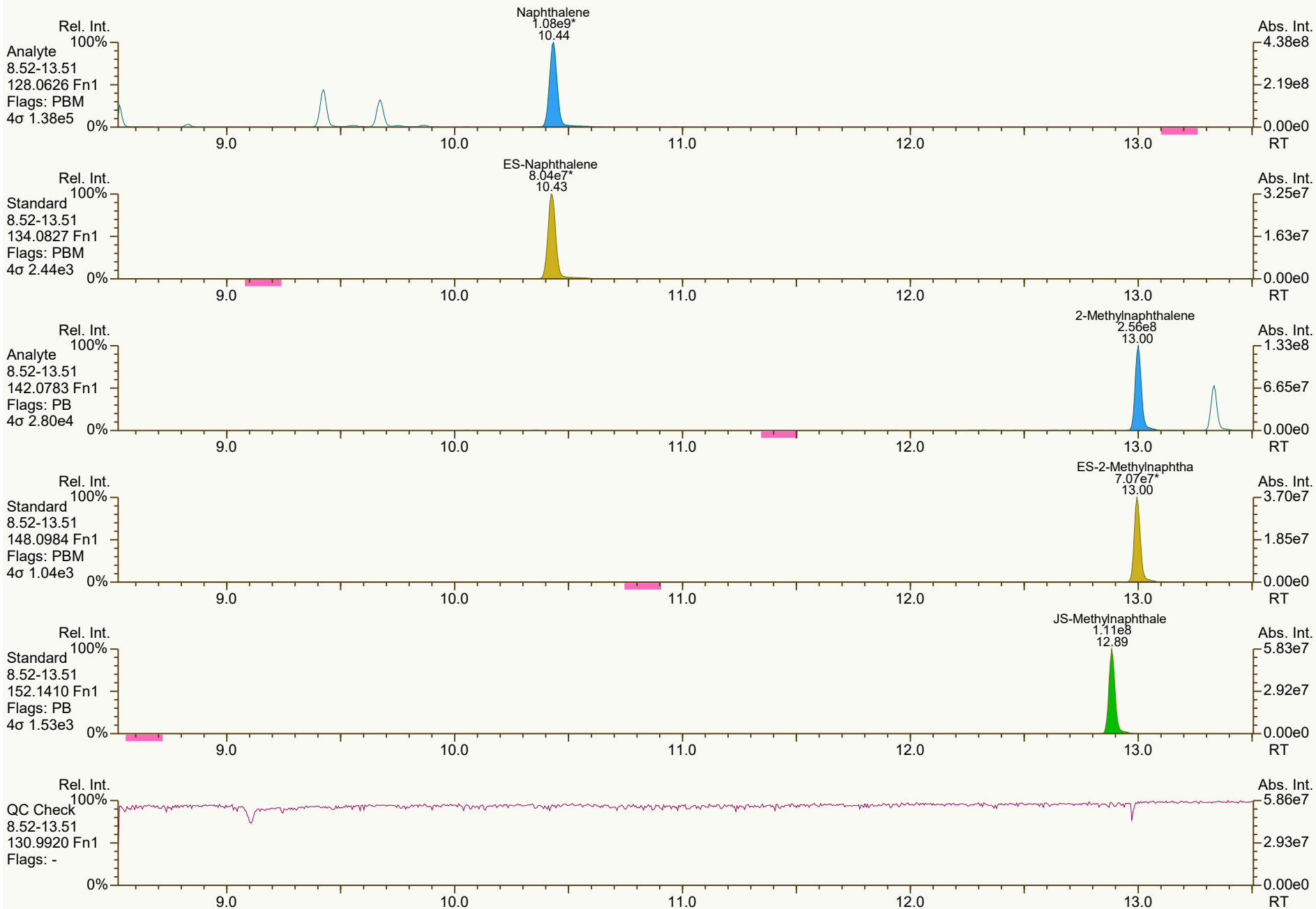
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458-AR1_PAH_SDS.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 158-571

Peak annotation: Areas, Centroids
PKD: n/a Printed: 21-Oct-2024 11:42 Page 1 of 9

SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



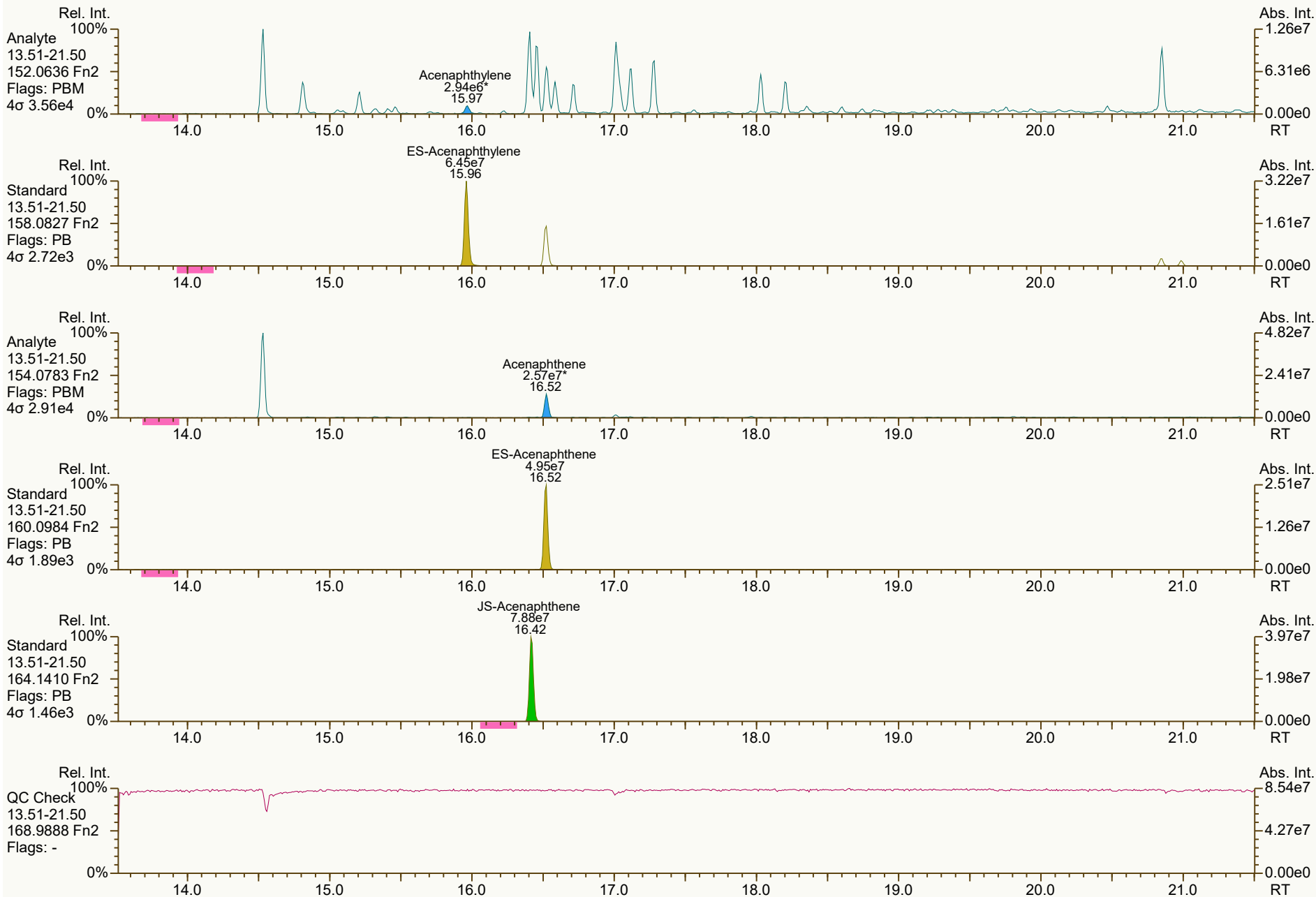
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458-AR1_PAH_SDS.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5408, 5005, 9566, 9509, 4265 scc: 158-571

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:35 (DTF) Printed: 21-Oct-2024 11:42 Page 2 of 9

SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



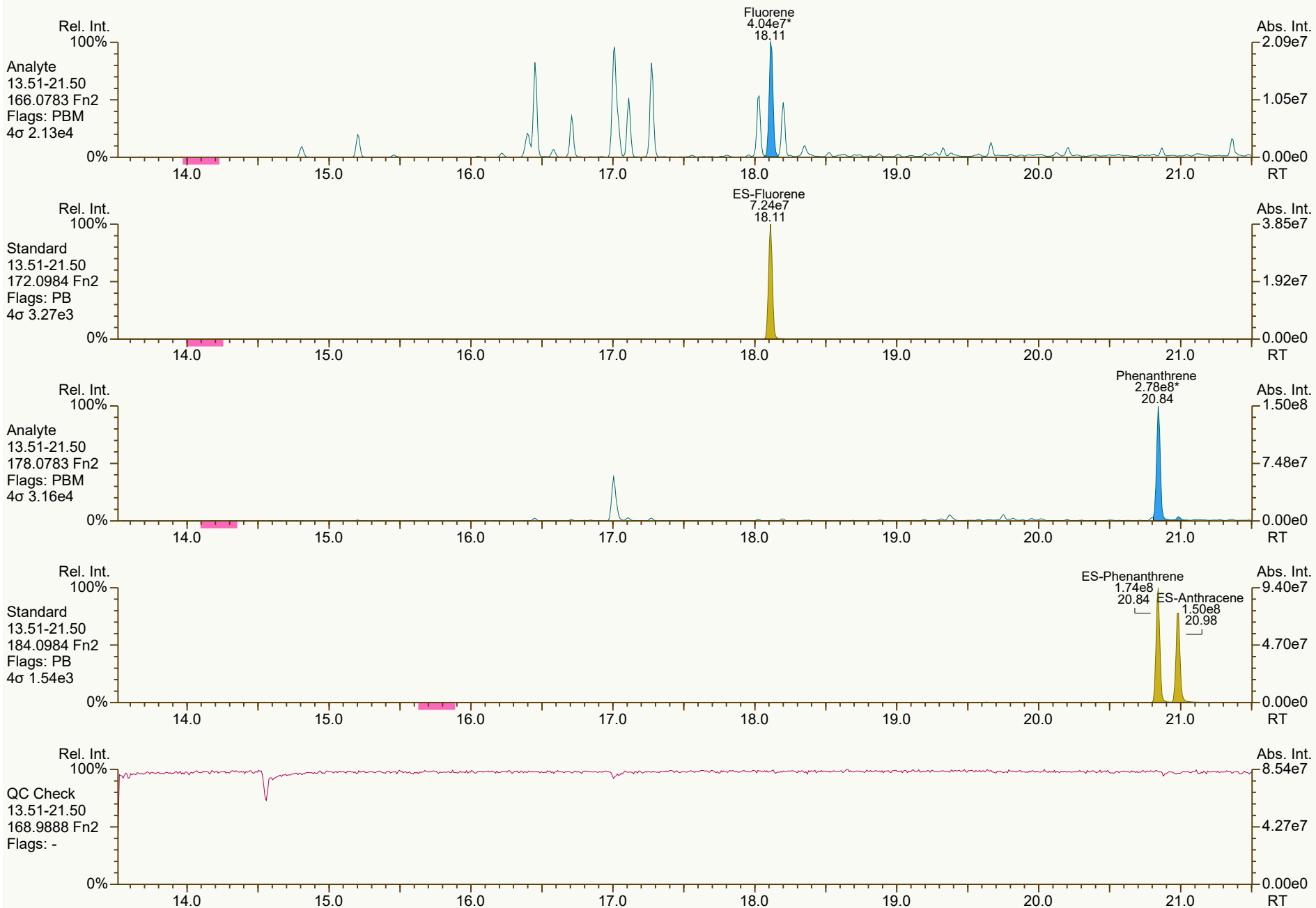
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458-AR1_PAH_SDS.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6129, 0065, 5987, 3491, 2552 scc: 158-571

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:35 (DTF) Printed: 21-Oct-2024 11:42 Page 3 of 9

SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



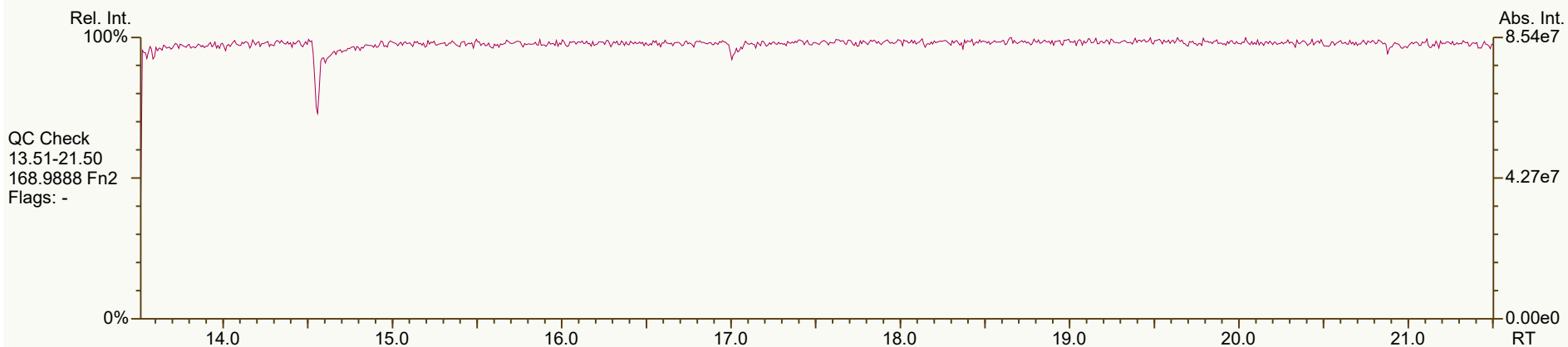
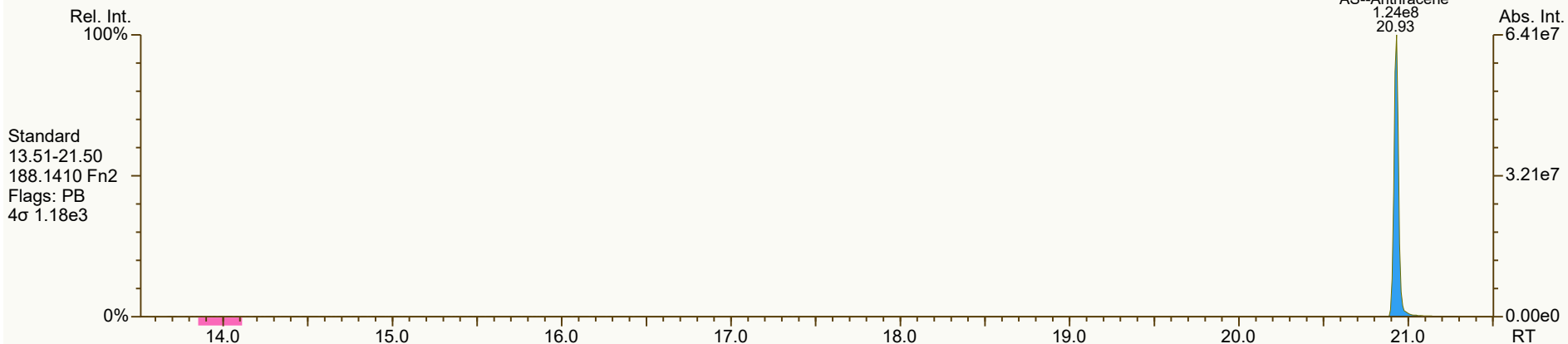
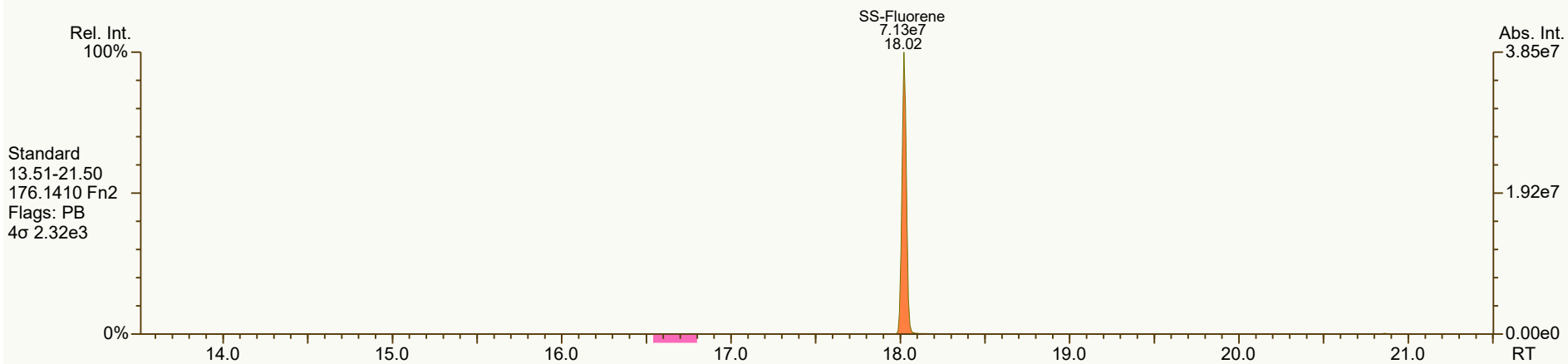
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\MB1_21458-AR1_PAH_SDS.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0218, 1115, 5403, 6615 scc: 158-571

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:35 (DTF) Printed: 21-Oct-2024 11:42 Page 4 of 9

SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

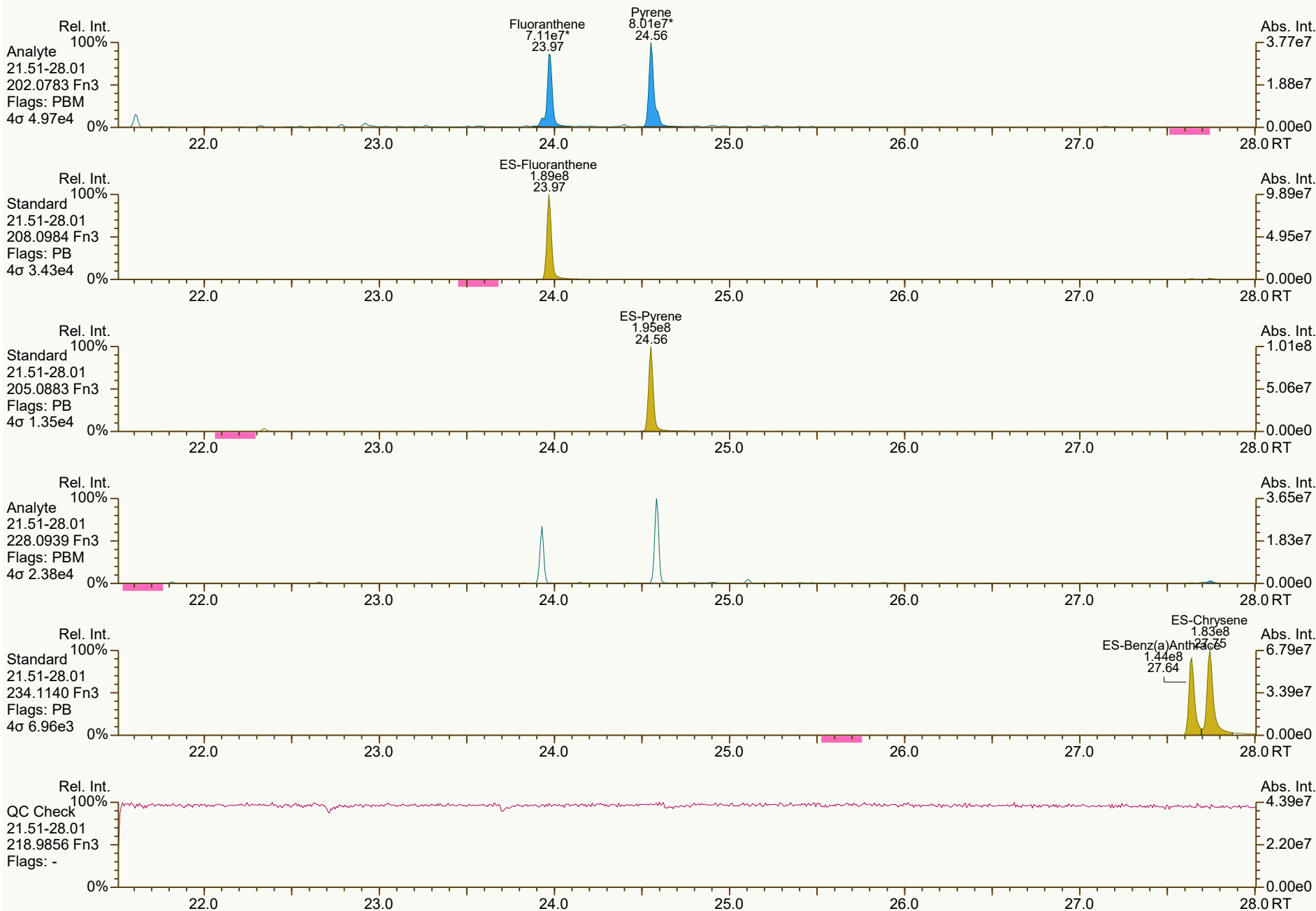
Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



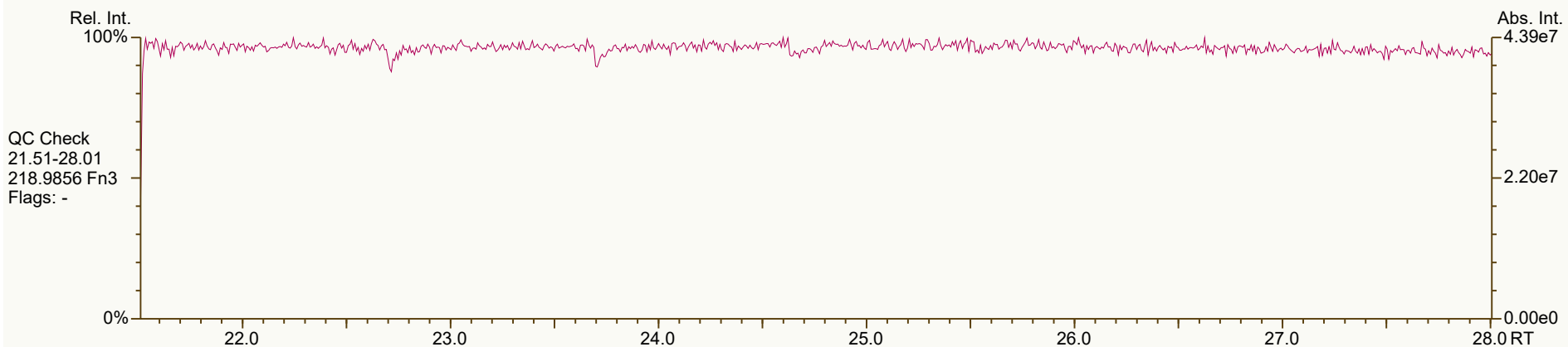
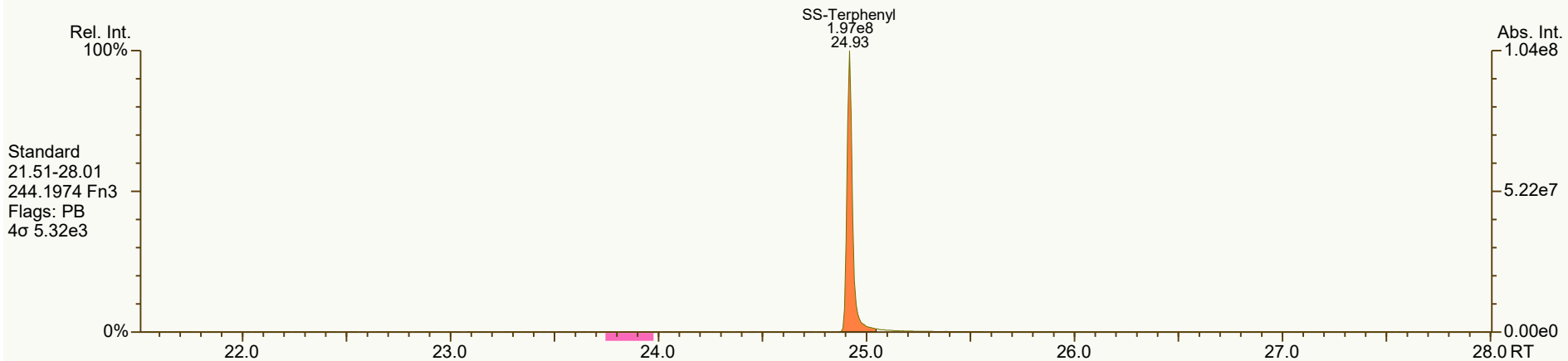
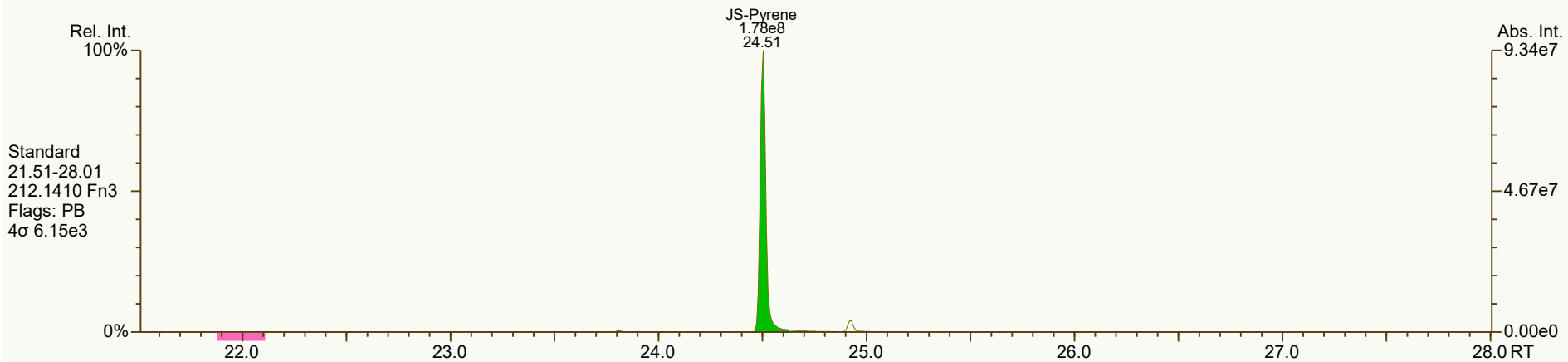
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458-AR1_PAH_SDS.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1977, 8115, 5645, 2600, 4755 scc: 158-571

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:36 (DTF) Printed: 21-Oct-2024 11:42 Page 6 of 9

SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

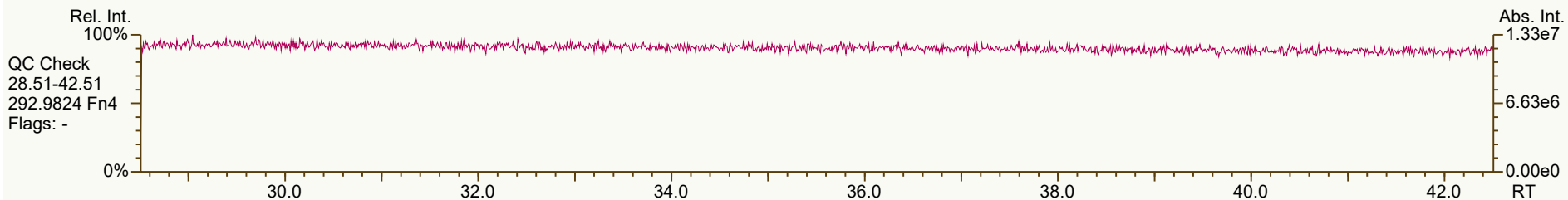
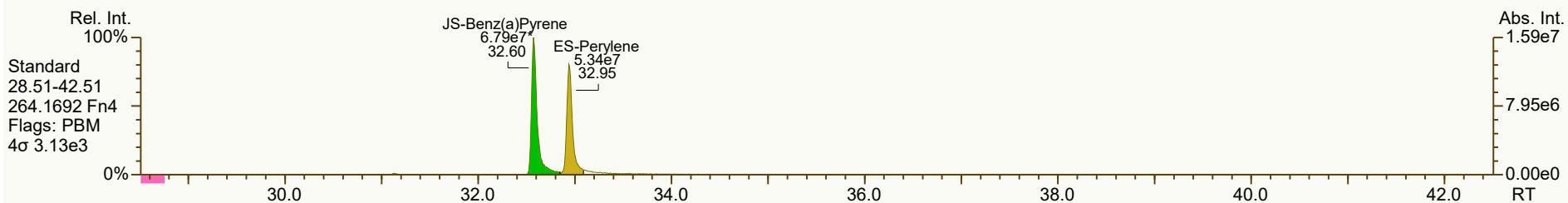
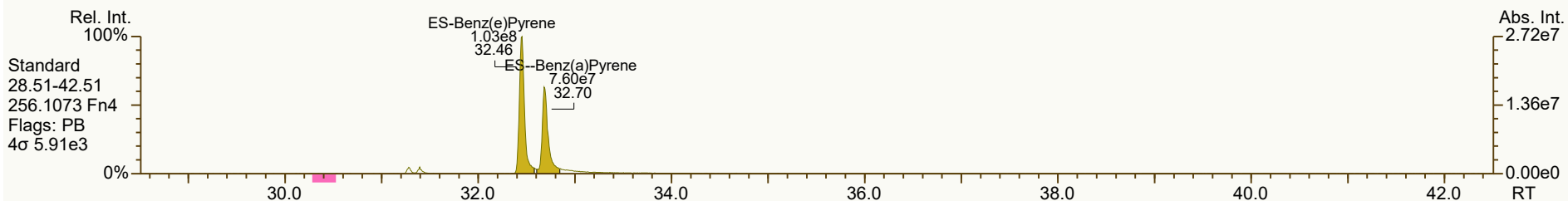
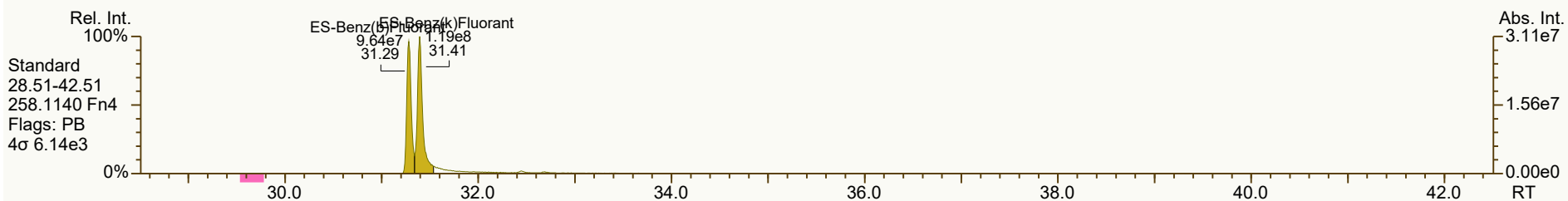
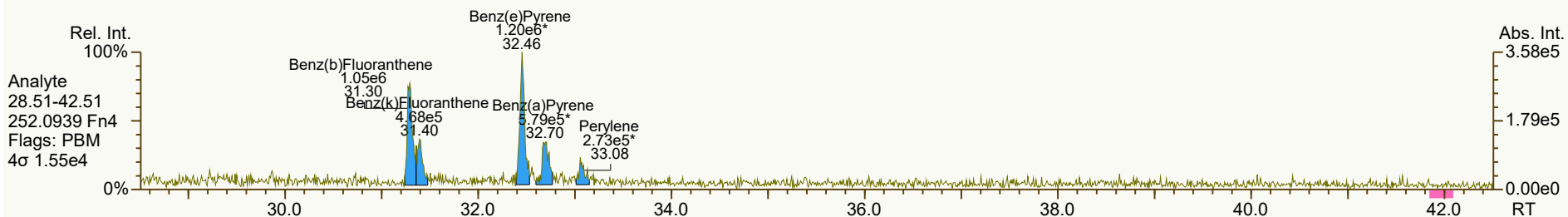
Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



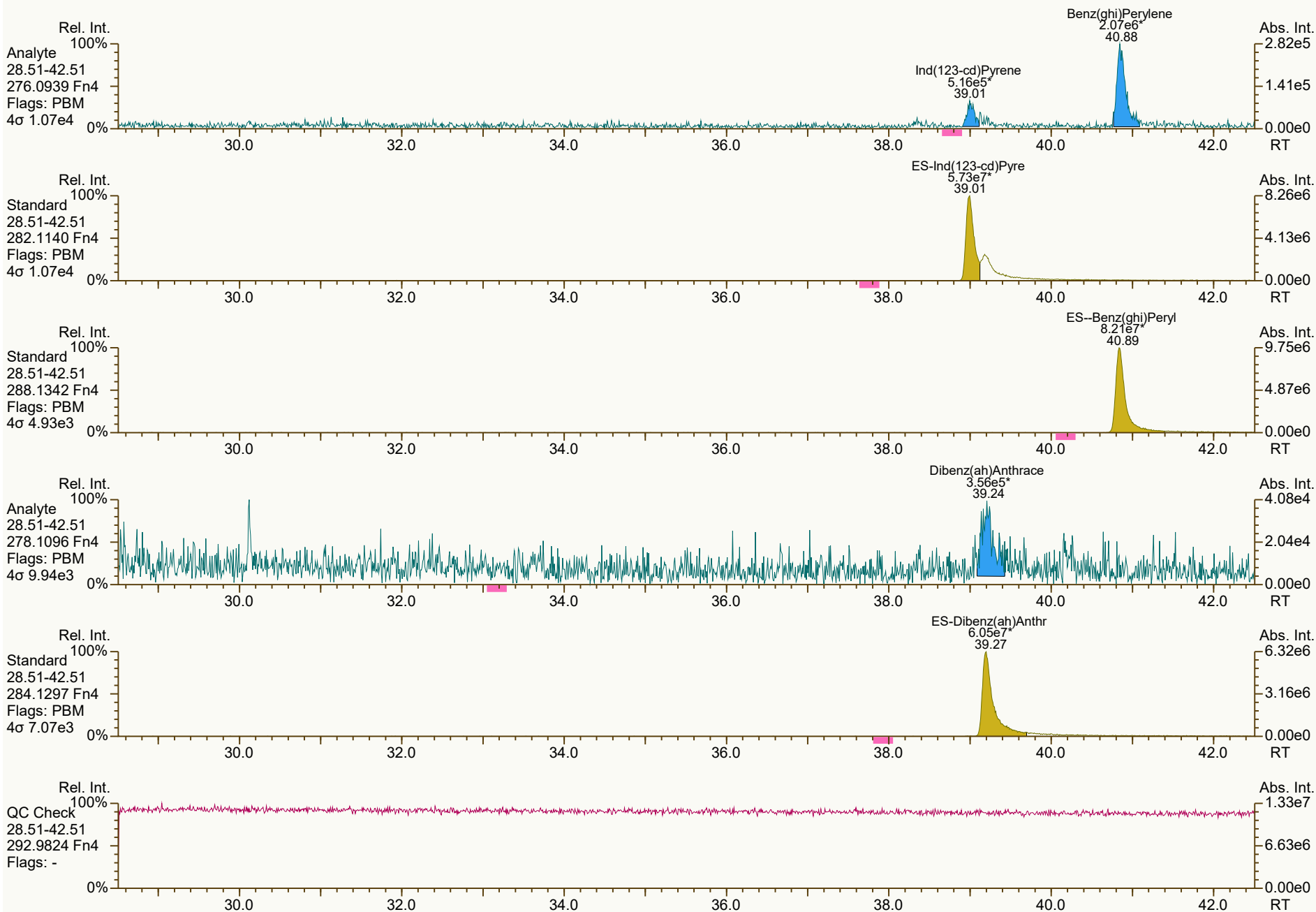
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458-AR1_PAH_SDS.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6537, 7064, 1445, 6050 scc: 158-571

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:36 (DTF) Printed: 21-Oct-2024 11:42 Page 8 of 9

SGS ID: MB1_21458-AR1_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 43

Acq: 18-Oct-2024 13:33:00
User: DTF Datafile: 241018V06



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\MB1_21458-AR1_PAH_SDS.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4934, 6314, 0024, 4439, 0035 scc: 158-571

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:36 (DTF) Printed: 21-Oct-2024 11:42 Page 9 of 9

Datafile: 240930V21
Acquired: 01 Oct 2024 06:21:41

Client ID: Test #1 Mill on
Lab ID: B9847_21458_PAH_001-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)	1.6	1.0
Largest -ve RT shift (secs)	-1.9	-0.8

Checkcode: 452-699-NGQ

Name	Actual			Pred	Actual	Diff	Conc					
	RT	QC		RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.41	S	E	1.0005	0.9984	-1.3	5.76E+09	-	1.26	64500	1.67E+06	152.00000
2-Methylnaphthalene	12.99	S	E	1.0004	0.9996	-0.6	2.88E+09	-	1.17	61500	2.84E+04	3.15000
Acenaphthylene	15.96		E	1.0006	1.0006	0	1.46E+08	-	0.96	3270	7.53E+04	8.64000
Acenaphthene	16.52		E	1.0005	1.0005	0	3.98E+07	-	1.28	1080	5.85E+04	7.52000
Fluorene	18.11		E	1.0005	1.0005	0	6.87E+07	-	1.04	1690	3.26E+04	3.73000
Phenanthrene	20.84		E	1.0004	1.0004	0	1.90E+08	-	1.18	2580	3.55E+04	2.06000
Anthracene	20.98			1.0000	1.0000	0	5.59E+06	-	1.24	86.7	3.55E+04	2.56000
Fluoranthene	23.97		B	1.0000	1.0003	+0.4	8.11E+06	-	0.95	85.9	2.69E+04	1.34000
Pyrene	24.55		B	1.0000	1.0003	+0.4	8.69E+06	-	1.02	90.8	2.69E+04	1.27000
Benzo (a) Anthracene	27.64			1.0000	1.0003	+0.5	3.35E+05	-	1.16	4.58	1.58E+04	1.22000
Chrysene	27.75			1.0003	1.0006	+0.5	4.57E+05	-	1.18	5.73	1.58E+04	1.26000
Benzo (b) Fluoranthene	31.30			1.0000	1.0003	+0.6	3.86E+05	-	1.08	7.58	1.20E+04	1.73000
Benzo (k) Fluoranthene	31.42		J	1.0003	1.0003	0	9.65E+04	-	0.94	1.99	1.20E+04	2.35000
Benzo (e) Pyrene	32.46			1.0000	1.0000	0	9.18E+05	-	1.18	16.6	1.20E+04	1.90000
Benzo (a) Pyrene	32.72			0.9997	1.0005	+1.6	1.76E+05	-	1.15	4.07	1.20E+04	2.89000
Perylene	-			1.0039	0.0000		0.00E+00	-	1.22	ND	1.20E+04	2.67000
Indeno (1,2,3-cd) Pyrene	38.99			1.0004	0.9996	-1.9	3.24E+05	-	1.05	10.4	9.66E+03	5.13000
Dibenzo (a,h) Anthracene	-			1.0007	0.0000		0.00E+00	-	1.14	ND	7.72E+03	3.49000
Benzo (ghi) Perylene	40.87			1.0006	1.0004	-0.5	1.66E+06	-	1.09	37.6	9.66E+03	3.82000

Datafile: 240930V21
Acquired: 01 Oct 2024 06:21:41

Client ID: Test #1 Mill on
Lab ID: B9847_21458_PAH_001-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Checkcode: 452-699-NGQ

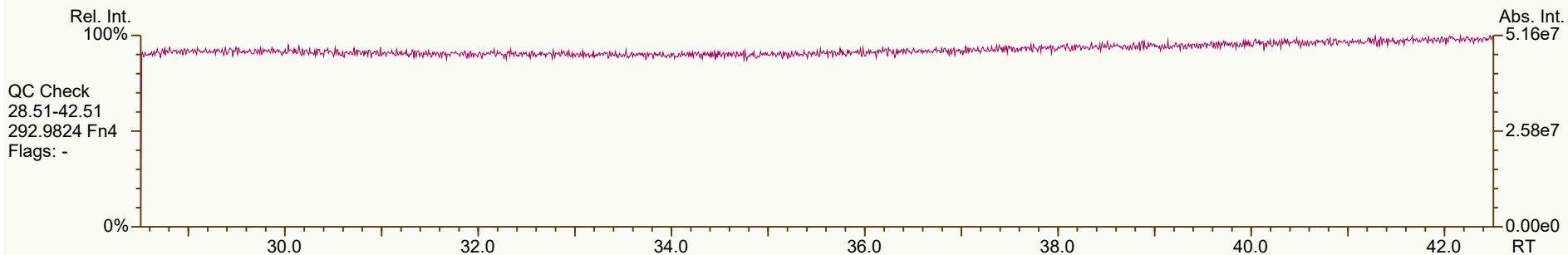
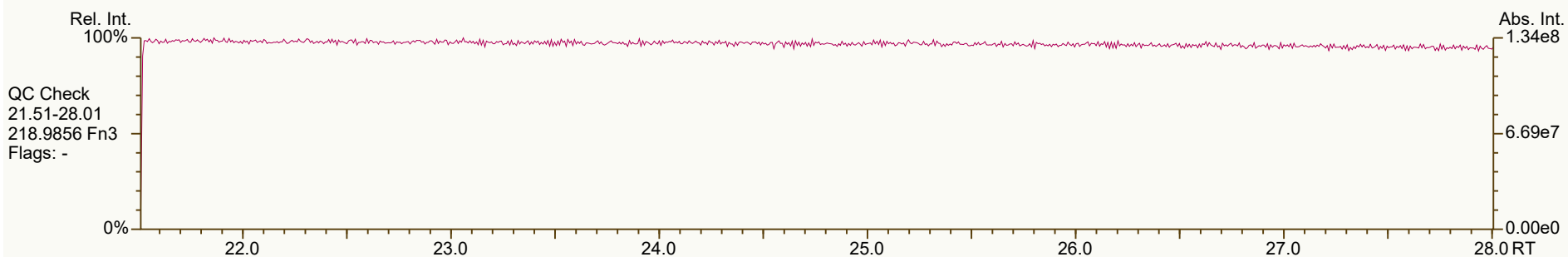
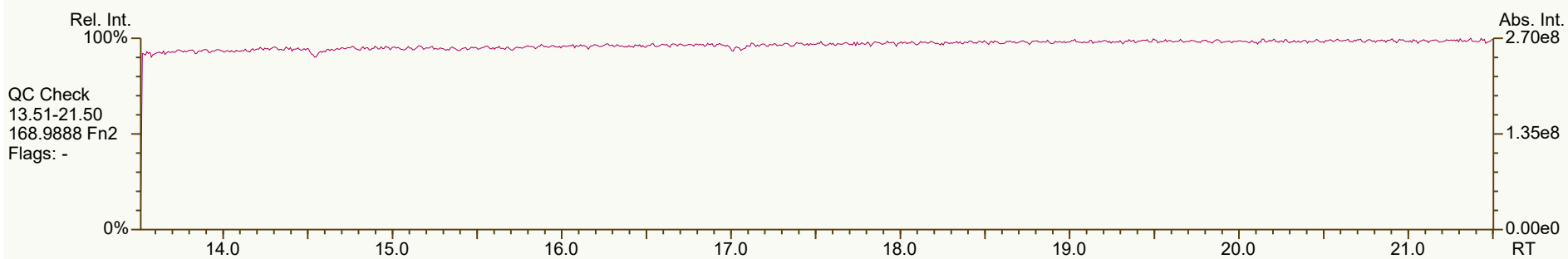
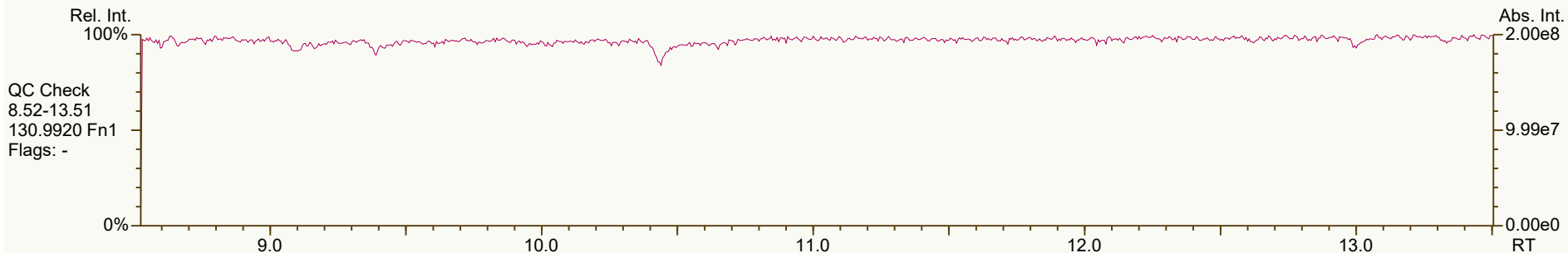
	Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)		1.6	1.0
Largest -ve RT shift (secs)		-1.9	-0.8

Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.
	RT	QC	RRT	RRT	Secs				
13C6-Naphthalene	10.43		0.8088	0.8095	+0.5	2.84E+06	-	1.59	50.3
13C6-2-Methylnaphthalene	12.99		1.0086	1.0086	0	1.60E+06	-	1.10	40.8
13C6-Acenaphthylene	15.95	H	0.9717	0.9717	0	1.86E+06	-	1.52	33
13C6-Acenaphthene	16.51	H	1.0060	1.0060	0	1.15E+06	-	0.96	32.3
13C6-Fluorene	18.10	H	1.1028	1.1028	0	1.57E+06	-	1.28	33.2
13C6-Phenanthrene	20.83	H	1.2693	1.2692	-0.1	2.50E+06	-	1.84	36.6
13C6-Anthracene	20.98	H	1.2780	1.2778	-0.2	2.08E+06	-	1.70	33
13C6-Fluoranthene	23.96		0.9785	0.9782	-0.4	3.99E+06	-	1.23	67.7
13C3-Pyrene	24.54		1.0023	1.0020	-0.4	3.74E+06	-	1.19	65.4
13C6-Benzo (a) Anthracene	27.63		1.1284	1.1280	-0.6	2.52E+06	-	0.83	63.4
13C6-Chrysene	27.74		1.1326	1.1323	-0.4	2.71E+06	-	0.91	62.4
13C6-Benzo (b) Fluoranthene	31.29		0.9602	0.9602	0	1.89E+06	-	1.35	85
13C6-Benzo (k) Fluoranthene	31.41		0.9636	0.9638	+0.4	2.08E+06	-	1.48	85
13C4-Benzo (e) Pyrene	32.46		0.9961	0.9961	0	1.87E+06	-	1.28	88.6
13C4-Benzo (a) Pyrene	32.70		1.0036	1.0034	-0.4	1.50E+06	-	1.15	79
dl2-Perylene	32.95		1.0112	1.0112	0	1.36E+06	-	0.91	90.4
13C6-Indeno (1,2,3-cd) Pyrene	39.01		1.1968	1.1970	+0.4	1.19E+06	-	0.98	73.8
13C6-Dibenzo (ah) Anthracene	39.22		1.2031	1.2036	+1.0	1.05E+06	-	0.96	66
13C12-Benzo (ghi) Perylene	40.85		1.2539	1.2535	-0.8	1.62E+06	-	1.16	85.1
AS--Anthracene (FS)	20.92	V H	1.2748	1.2746	-0.2	1.42E+06	-	1.26	30.4
SS-Fluorene	18.02		0.9956	0.9956	0	1.40E+06	-	0.91	98.4
SS-Terphenyl	24.92		1.0396	1.0400	+0.6	2.76E+06	-	0.82	84.4
JS-Methylnaphthalene	12.88		-	-	-	3.54E+06	-	-	-
JS-Acenaphthene	16.42		-	-	-	3.71E+06	-	-	-
JS-Pyrene	24.50		-	-	-	4.80E+06	-	-	-
JS-Benzo (a) Pyrene	32.59		-	-	-	1.65E+06	-	-	-

SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



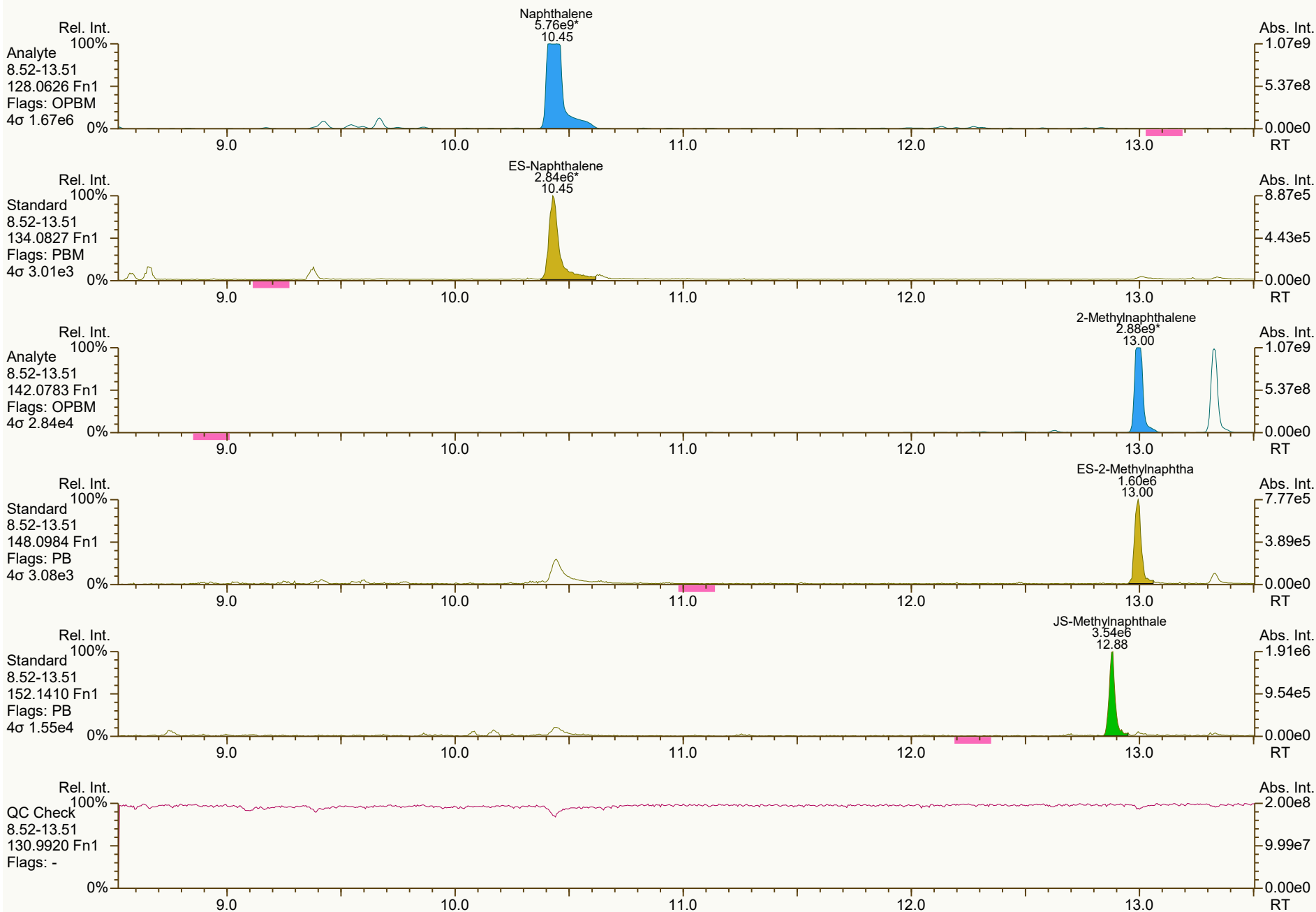
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_001-D10.utp_res, saved 02-Oct-2024 11:11 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 452-699

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:12 Page 1 of 9

SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_001-D10.utp_res, saved 02-Oct-2024 11:11 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1609, 6526, 4876, 8064, 2774 scc: 452-699

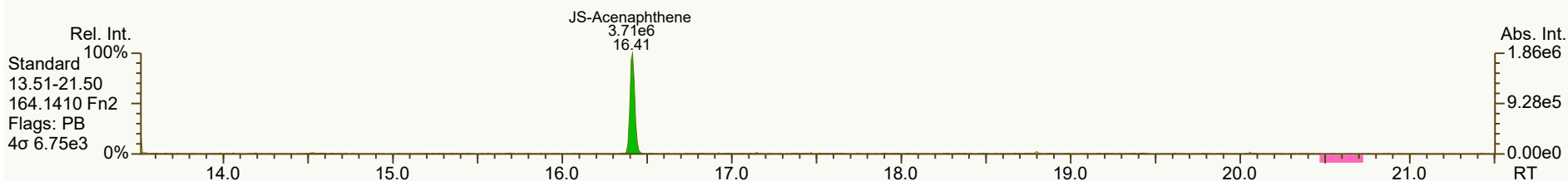
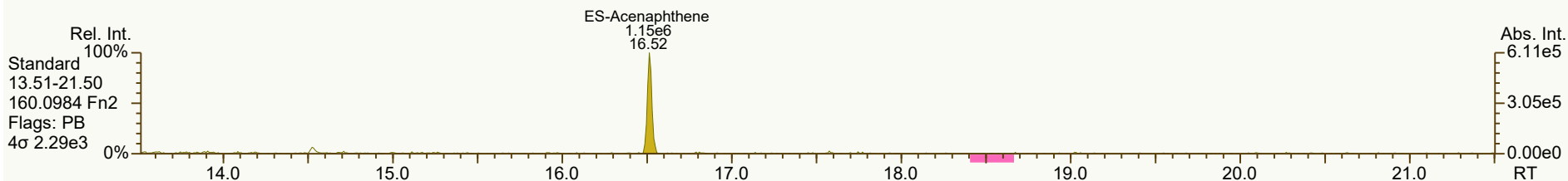
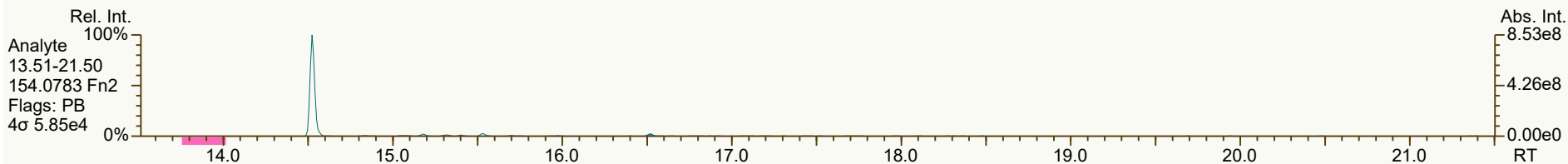
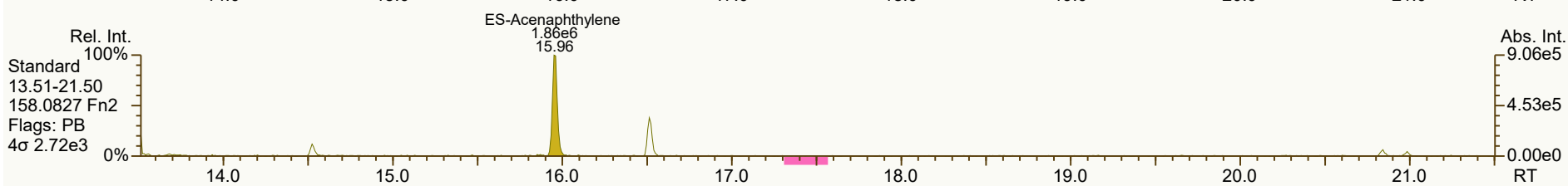
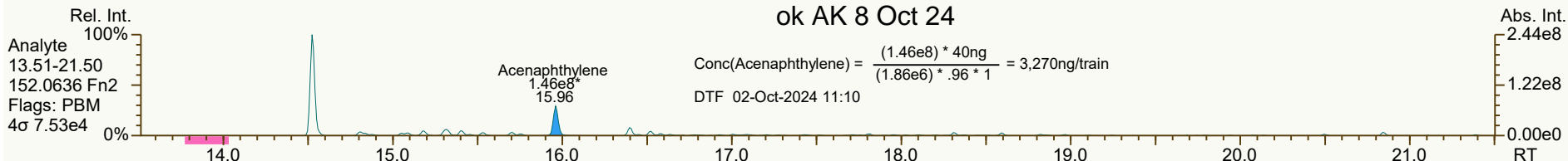
Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:36 (DTF) Printed: 02-Oct-2024 11:12 Page 2 of 9

SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21

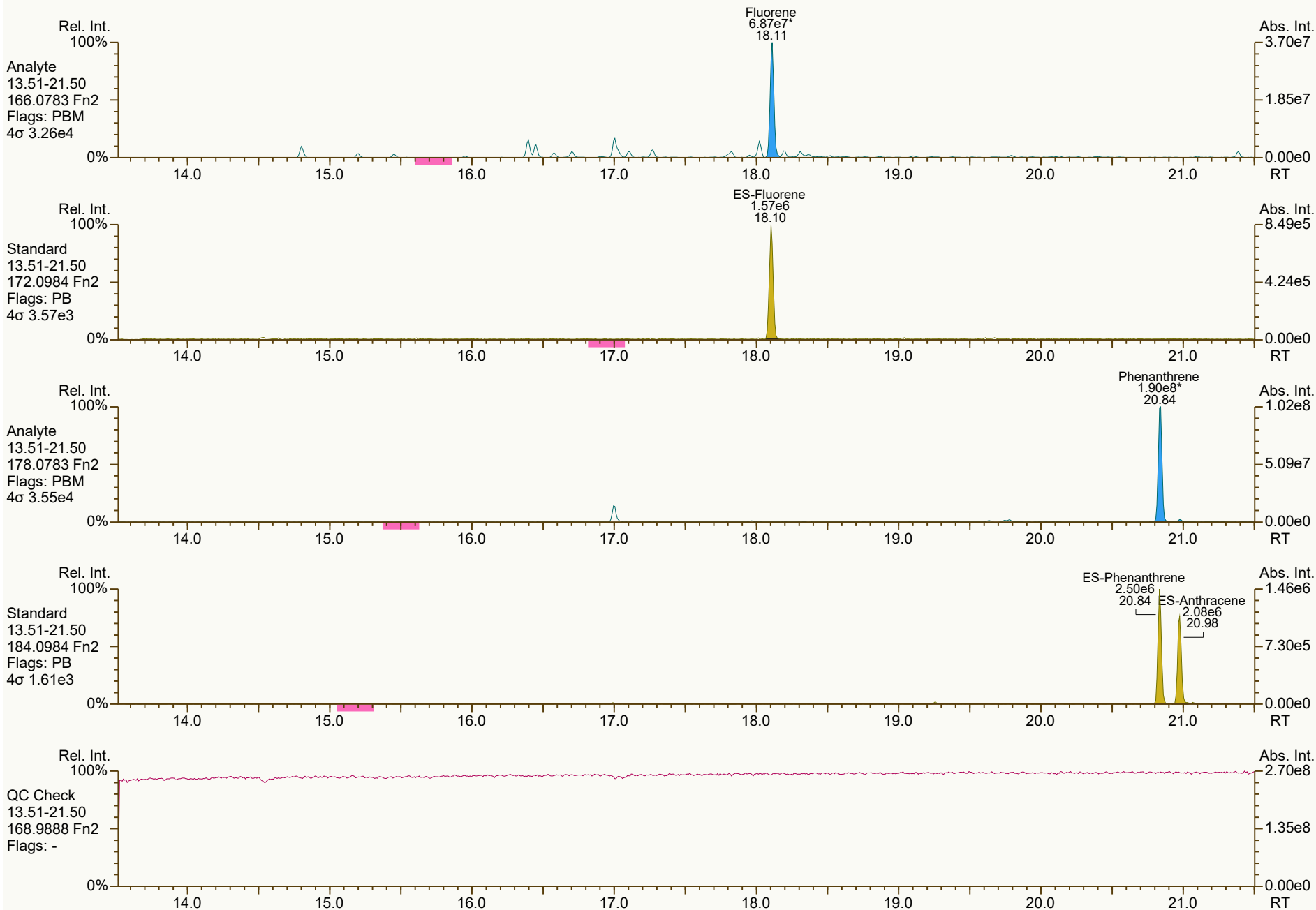
ok AK 8 Oct 24



SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



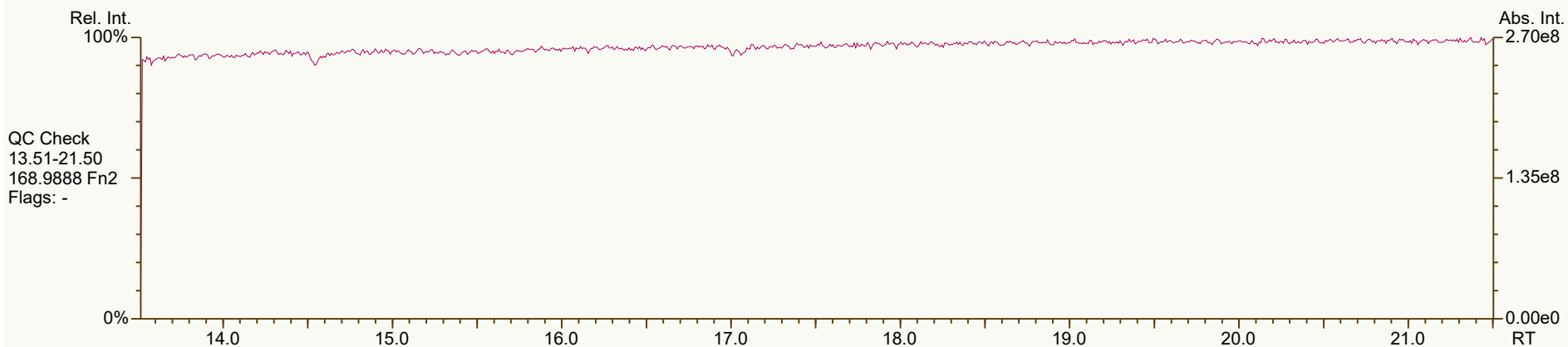
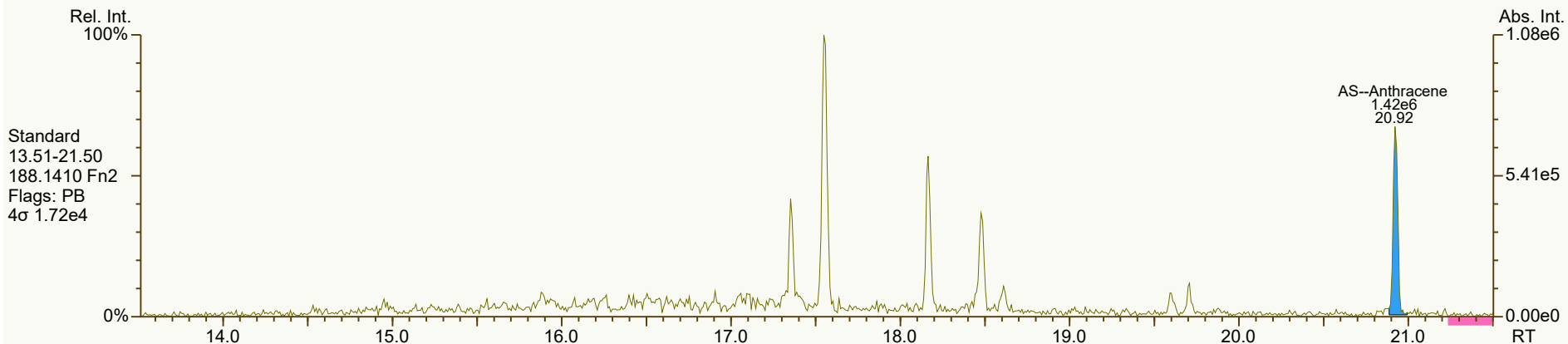
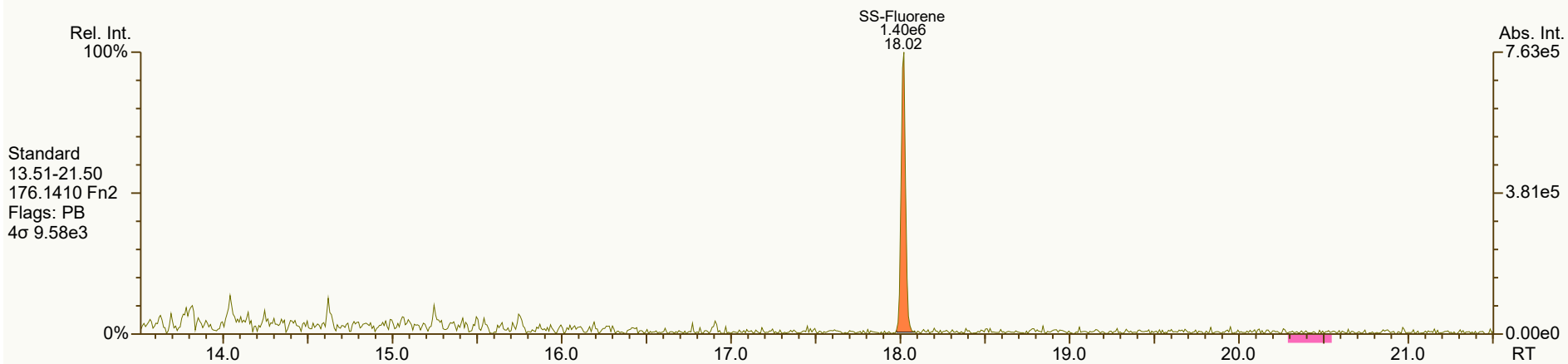
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_001-D10.utp_res, saved 02-Oct-2024 11:11 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8126, 0847, 1961, 0421 scc: 452-699

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:36 (DTF) Printed: 02-Oct-2024 11:12 Page 4 of 9

SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



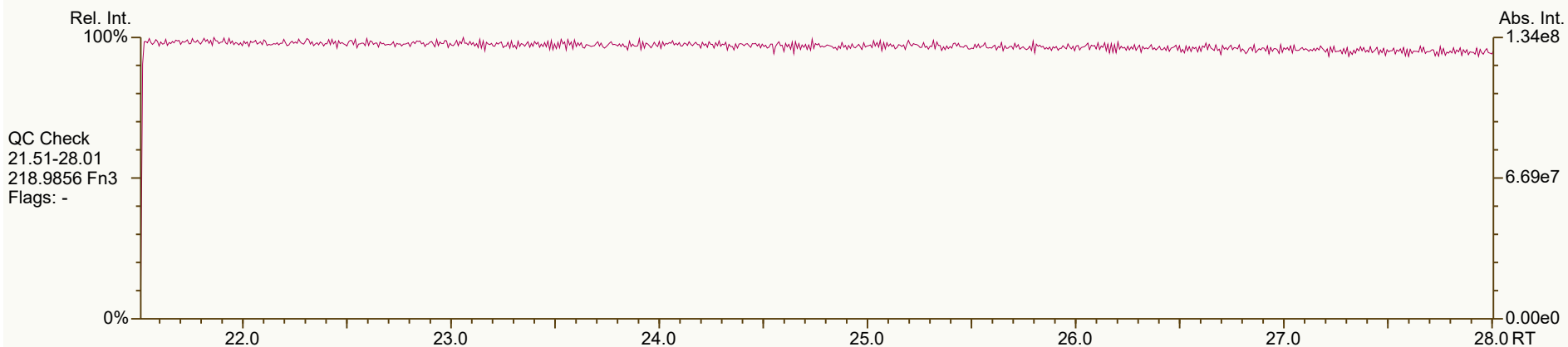
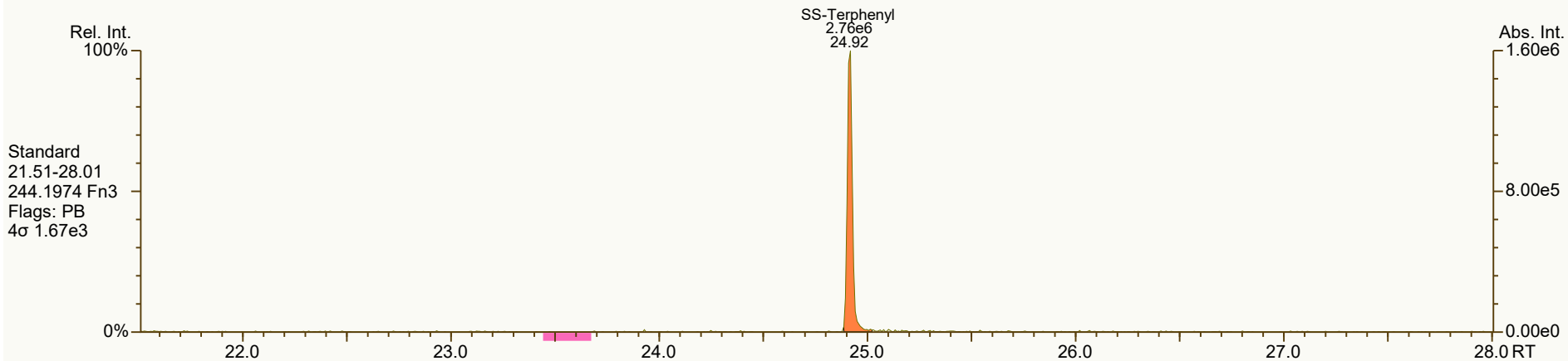
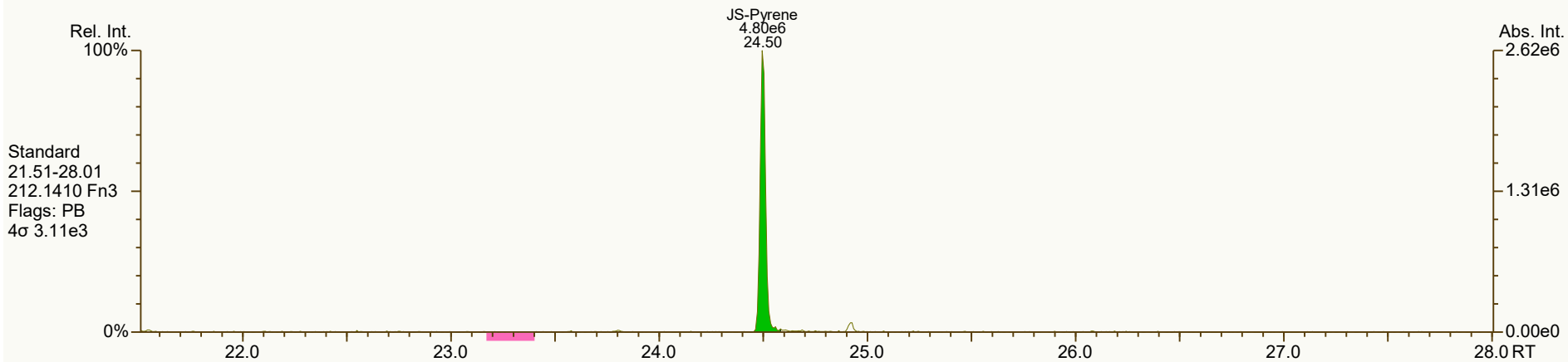
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_001-D10.utp_res, saved 02-Oct-2024 11:11 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6606, 5729, 5731, 1124, 9445 scc: 452-699

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:36 (DTF) Printed: 02-Oct-2024 11:12 Page 6 of 9

SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

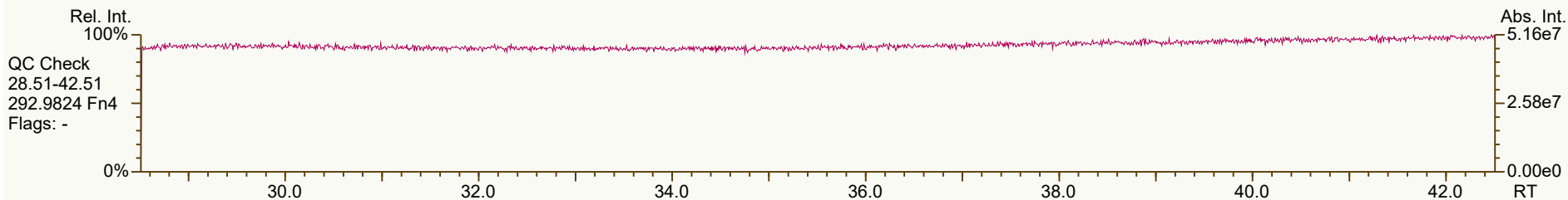
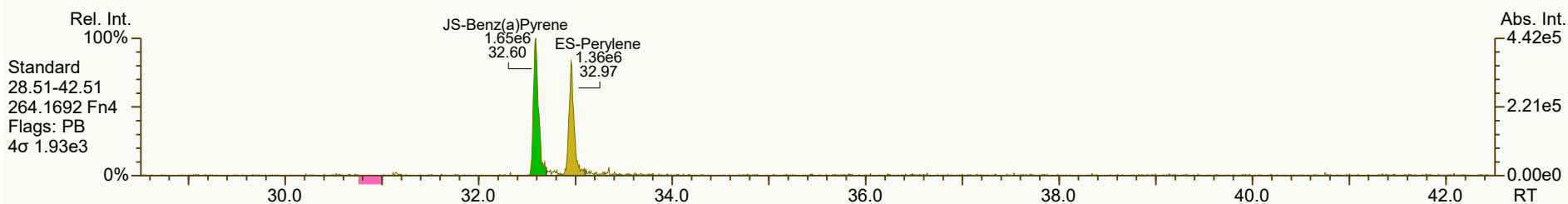
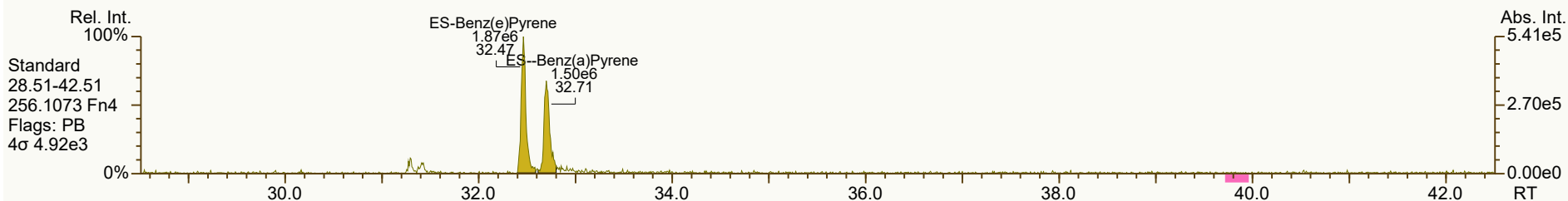
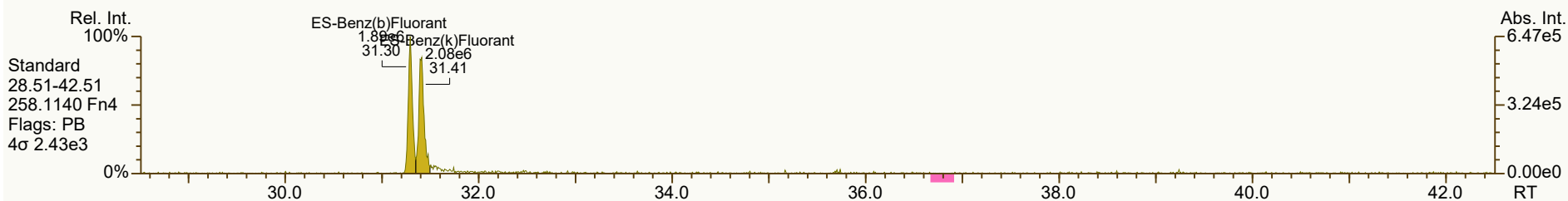
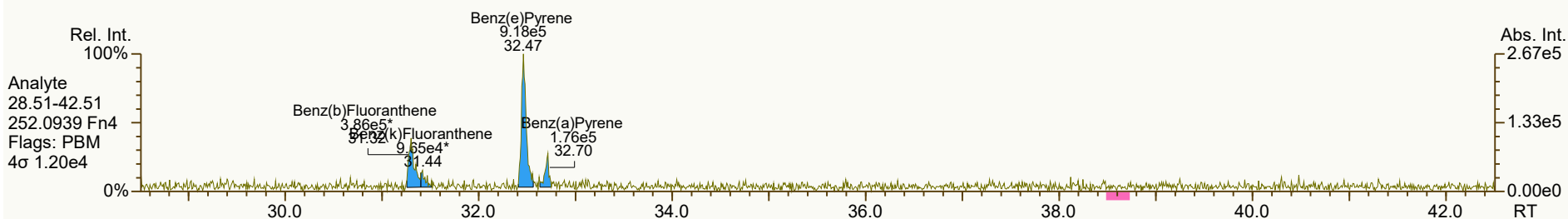
Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_001-D10.utp_res, saved 02-Oct-2024 11:11 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2762, 9403, 8669, 1800 scc: 452-699

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:36 (DTF) Printed: 02-Oct-2024 11:13 Page 8 of 9

SGS ID: B9847_21458_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 17

Acq: 01-Oct-2024 06:21:41
User: DTF Datafile: 240930V21



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_001-D10.utp_res, saved 02-Oct-2024 11:11 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2212, 2530, 8445, 4676, 7690 scc: 452-699

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:36 (DTF) Printed: 02-Oct-2024 11:13 Page 9 of 9

Stats		PAH Ax		ES/SS		Checkcode: 069-512-DJQ						
Largest +ve RT shift (secs)		1.6		2.3								
Largest -ve RT shift (secs)		-1.0		-0.8								
Name	Actual		Pred	Actual	Diff	Response	Ra	Conc				
	RT	QC	RRT	RRT	Secs			RRF	ng/Train	Noise	DL	
Naphthalene	10.41	S E	1.0005	0.9989	-1.0	4.61E+09	-	1.26	66500	9.61E+05	94.10000	
2-Methylnaphthalene	13.00	E	1.0004	1.0004	0	2.08E+09	-	1.17	43400	3.27E+04	3.13000	
Acenaphthylene	15.96	E	1.0006	1.0006	0	8.54E+07	-	0.96	1590	7.75E+04	7.17000	
Acenaphthene	16.52	E	1.0005	1.0005	0	2.29E+07	-	1.28	488	5.84E+04	6.10000	
Fluorene	18.11	E	1.0005	1.0005	0	3.61E+07	-	1.04	790	2.82E+04	2.86000	
Phenanthrene	20.84	E	1.0004	1.0004	0	9.45E+07	-	1.18	1200	2.71E+04	1.69000	
Anthracene	20.97		1.0000	1.0000	0	2.18E+06	-	1.24	29.5	2.71E+04	1.70000	
Fluoranthene	23.97	B	1.0000	1.0003	+0.4	1.52E+07	-	0.95	145	2.47E+04	1.03000	
Pyrene	24.55	B	1.0000	1.0003	+0.4	1.18E+07	-	1.02	103	2.47E+04	1.06000	
Benzo (a) Anthracene	27.63	J	1.0000	1.0000	0	2.25E+05	-	1.16	2.29	1.40E+04	0.82100	
Chrysene	27.74		1.0003	1.0000	-0.5	6.74E+05	-	1.18	6.44	1.40E+04	0.87000	
Benzo (b) Fluoranthene	31.30		1.0000	1.0005	+0.9	5.59E+05	-	1.08	7.94	1.10E+04	1.21000	
Benzo (k) Fluoranthene	31.41	J	1.0003	1.0005	+0.4	1.52E+05	-	0.94	2.11	1.10E+04	1.45000	
Benzo (e) Pyrene	32.46		1.0000	1.0000	0	2.08E+06	-	1.18	25.3	1.10E+04	1.17000	
Benzo (a) Pyrene	32.72		0.9997	1.0005	+1.6	3.27E+05	-	1.15	5.27	1.10E+04	1.79000	
Perylene	-		1.0039	0.0000		0.00E+00	-	1.22	ND	1.10E+04	1.90000	
Indeno (1,2,3-cd) Pyrene	39.04		1.0004	1.0009	+1.2	4.74E+05	-	1.05	11.1	8.00E+03	3.02000	
Dibenzo (a,h) Anthracene	-		1.0007	0.0000		0.00E+00	-	1.14	ND	7.81E+03	2.88000	
Benzo (ghi) Perylene	40.86		1.0006	1.0002	-1.0	2.65E+06	-	1.09	45	8.00E+03	2.15000	

Datafile: 240930V22
Acquired: 01 Oct 2024 07:08:25

Client ID: Test #2 Mill on
Lab ID: B9847_21458_PAH_002-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

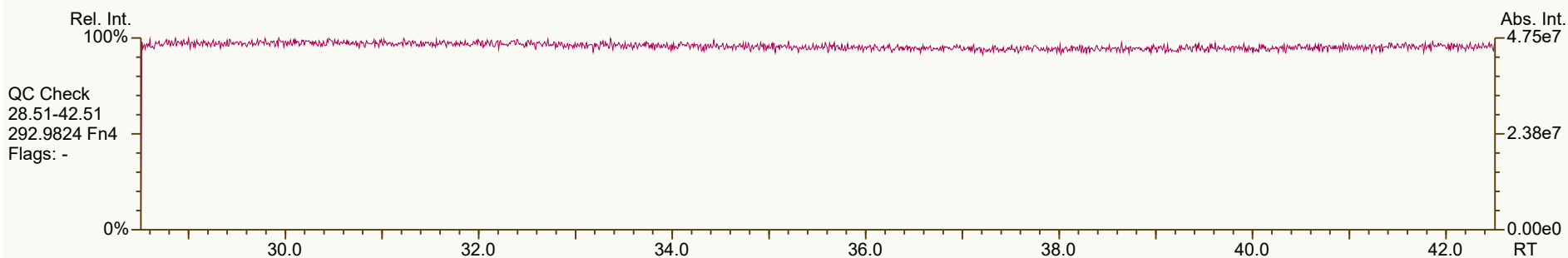
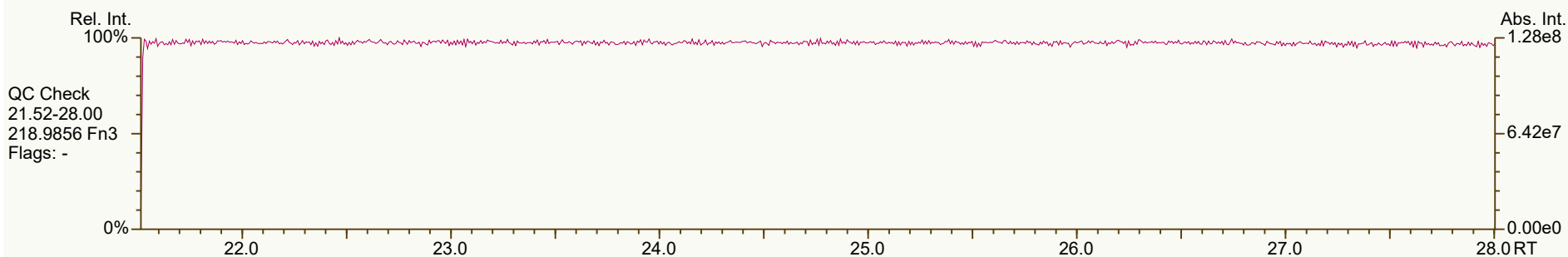
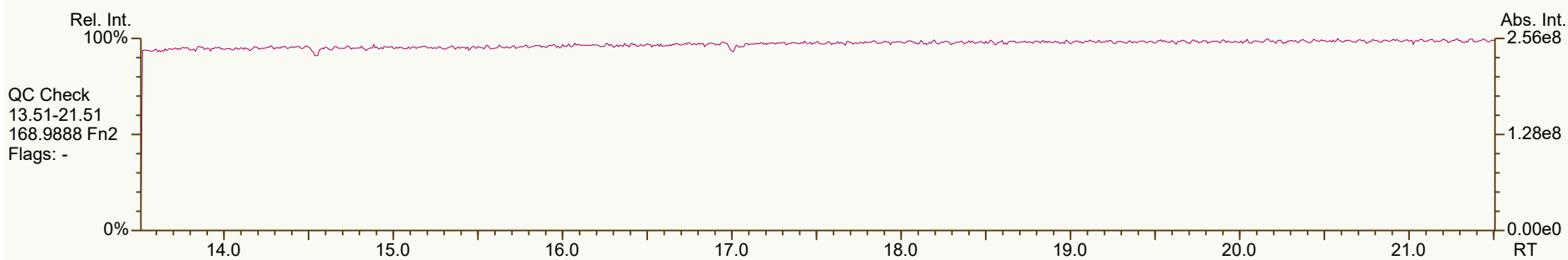
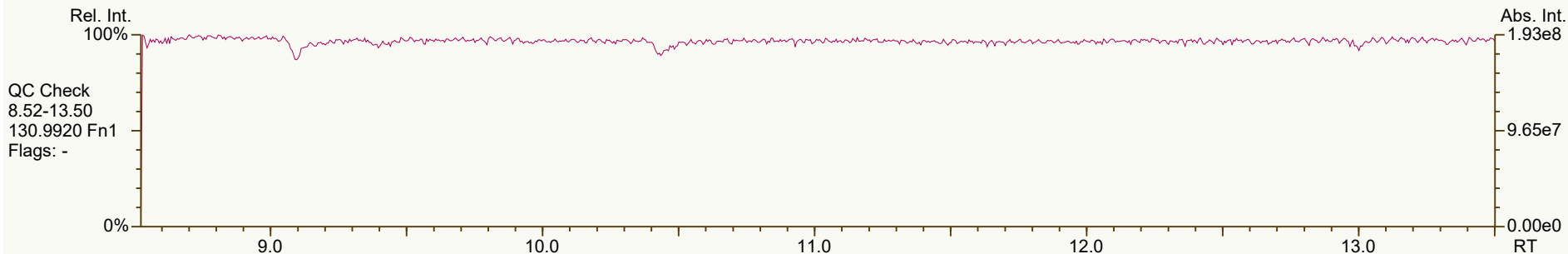
Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Stats		PAH Ax	ES/SS		Checkcode: 069-512-DJQ					
Largest +ve RT shift (secs)		1.6	2.3							
Largest -ve RT shift (secs)		-1.0	-0.8							
	Actual		Pred	Actual	Diff					
Name	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.42	H	0.8088	0.8094	+0.5	2.20E+06	-	1.59	39.7	
13C6-2-Methylnaphthalene	12.99		1.0086	1.0086	0	1.64E+06	-	1.10	42.6	
13C6-Acenaphthylene	15.95	H	0.9717	0.9717	0	2.23E+06	-	1.52	38.2	
13C6-Acenaphthene	16.51	H	1.0060	1.0060	0	1.47E+06	-	0.96	39.8	
13C6-Fluorene	18.10	H	1.1028	1.1028	0	1.76E+06	-	1.28	36	
13C6-Phenanthrene	20.83	H	1.2693	1.2692	-0.1	2.67E+06	-	1.84	37.8	
13C6-Anthracene	20.97	H	1.2780	1.2779	-0.1	2.39E+06	-	1.70	36.7	
13C6-Fluoranthene	23.96		0.9785	0.9782	-0.4	4.44E+06	-	1.23	58.1	
13C3-Pyrene	24.54		1.0023	1.0020	-0.4	4.47E+06	-	1.19	60.4	
13C6-Benzo (a) Anthracene	27.63		1.1284	1.1281	-0.4	3.37E+06	-	0.83	65.7	
13C6-Chrysene	27.74		1.1326	1.1326	0	3.56E+06	-	0.91	63.2	
13C6-Benzo (b) Fluoranthene	31.28		0.9602	0.9599	-0.6	2.61E+06	-	1.35	71.3	
13C6-Benzo (k) Fluoranthene	31.39		0.9636	0.9633	-0.6	3.08E+06	-	1.48	76.7	
13C4-Benzo (e) Pyrene	32.46		0.9961	0.9961	0	2.79E+06	-	1.28	80.2	
13C4-Benzo (a) Pyrene	32.70		1.0036	1.0034	-0.4	2.16E+06	-	1.15	69.1	
d12-Perylene	32.95		1.0112	1.0112	0	1.84E+06	-	0.91	74.5	
13C6-Indeno (1,2,3-cd) Pyrene	39.00		1.1968	1.1968	0	1.64E+06	-	0.98	62	
13C6-Dibenzo (ah) Anthracene	39.25		1.2031	1.2043	+2.3	1.90E+06	-	0.96	72.9	
13C12-Benzo (ghi) Perylene	40.85		1.2539	1.2535	-0.8	2.16E+06	-	1.16	69	
AS--Anthracene (FS)	20.92	V	H	1.2748	1.2747	-0.1	1.68E+06	-	1.26	35
SS-Fluorene	18.02		0.9956	0.9956	0	1.52E+06	-	0.91	94.8	
SS-Terphenyl	24.92		1.0396	1.0400	+0.6	3.03E+06	-	0.82	83.6	
JS-Methylnaphthalene	12.88		-	-	-	3.48E+06	-	-	-	
JS-Acenaphthene	16.41		-	-	-	3.83E+06	-	-	-	
JS-Pyrene	24.49		-	-	-	6.21E+06	-	-	-	
JS-Benzo (a) Pyrene	32.59		-	-	-	2.71E+06	-	-	-	

SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



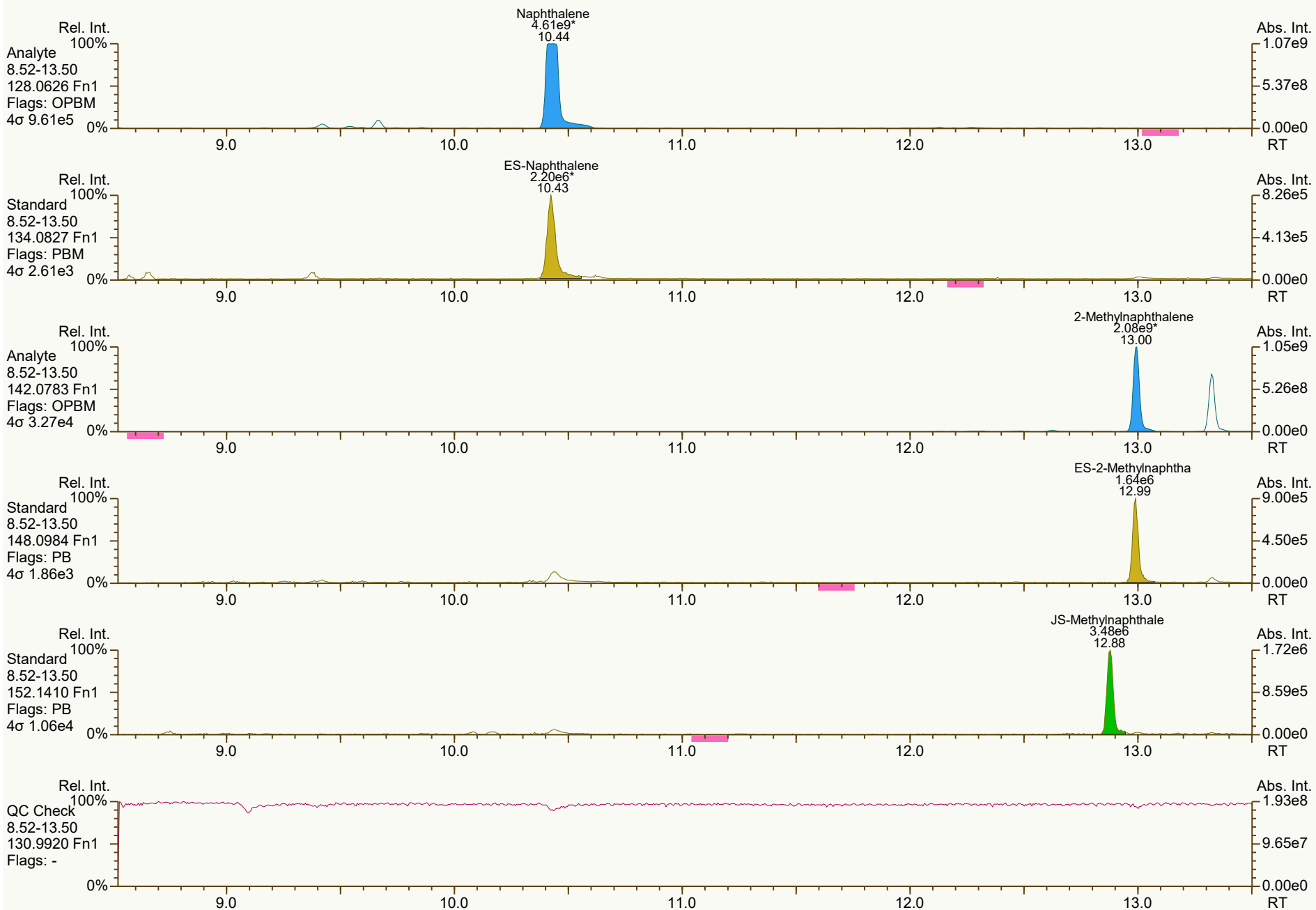
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_002-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 069-512

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:13 Page 1 of 9

SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_002-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8549, 3421, 4485, 0417, 6435 scc: 069-512

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:37 (DTF) Printed: 02-Oct-2024 11:13 Page 2 of 9

SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_002-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7663, 8919, 4778, 3520, 9436 scc: 069-512

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:38 (DTF) Printed: 02-Oct-2024 11:13 Page 3 of 9

SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



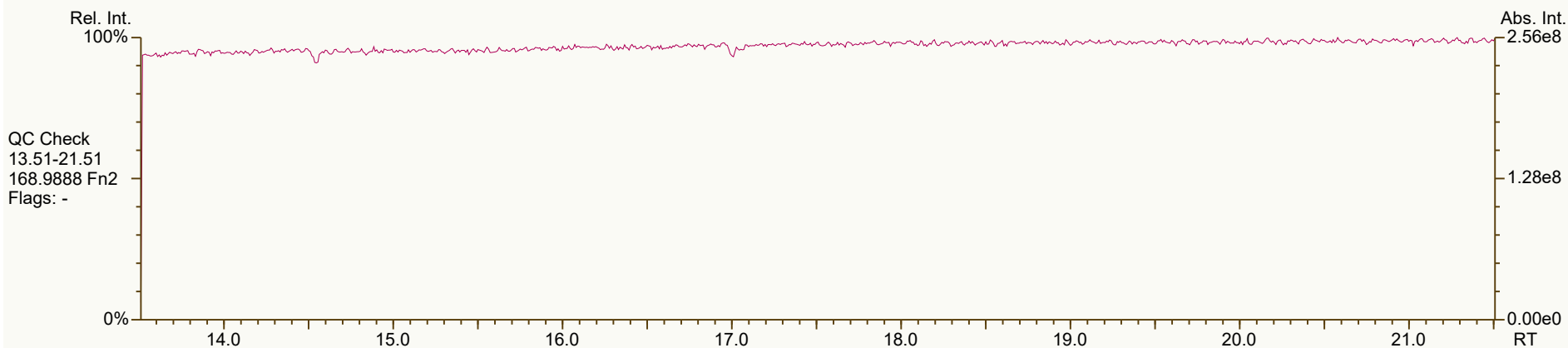
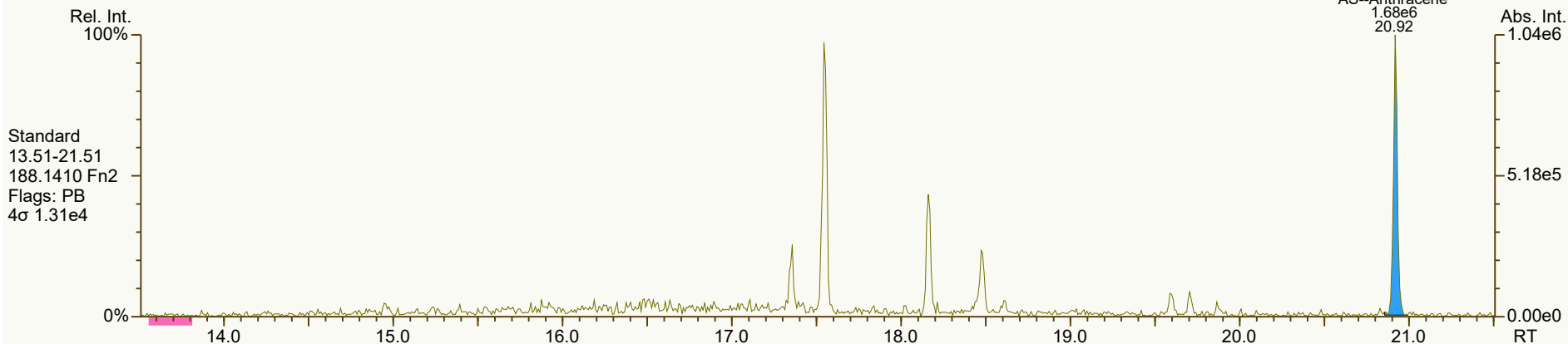
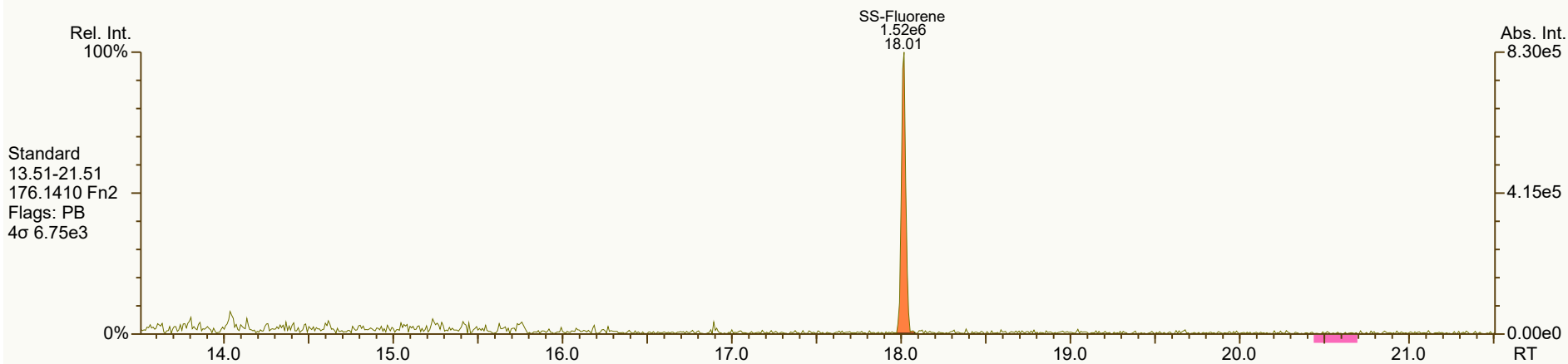
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_002-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6946, 6486, 6711, 4181 scc: 069-512

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:38 (DTF) Printed: 02-Oct-2024 11:13 Page 4 of 9

SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



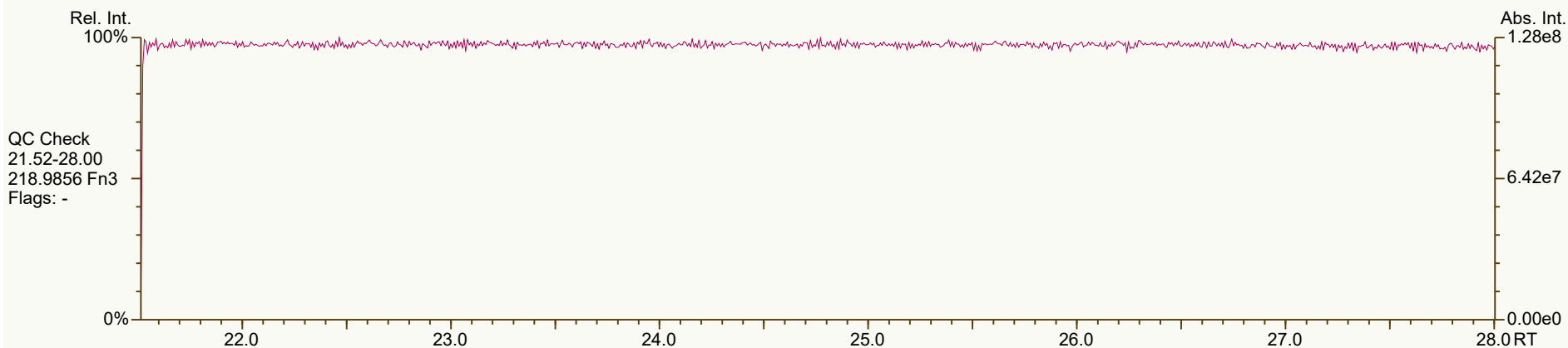
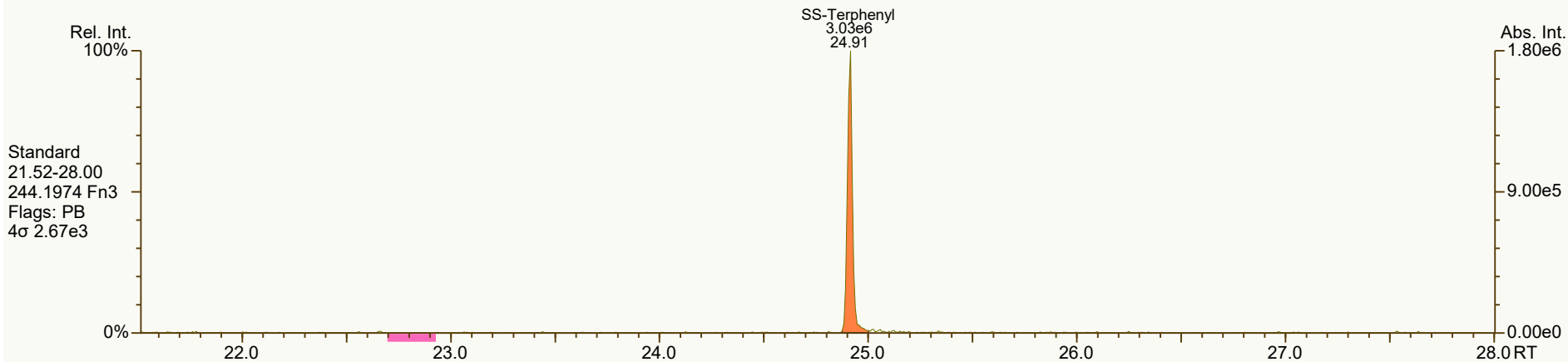
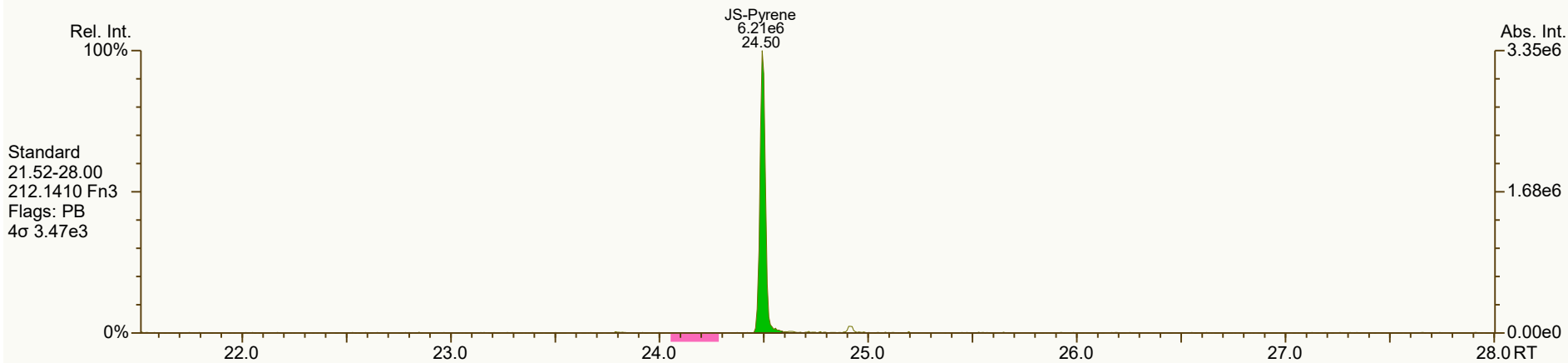
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_002-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9116, 4468, 4663, 8205, 6197 scc: 069-512

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:39 (DTF) Printed: 02-Oct-2024 11:13 Page 6 of 9

SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

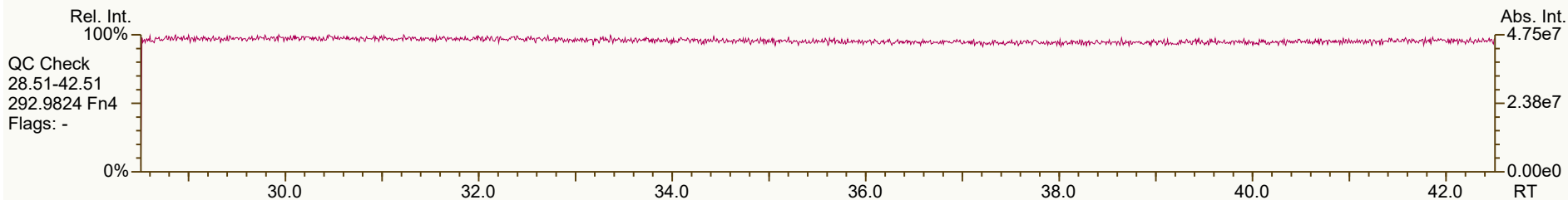
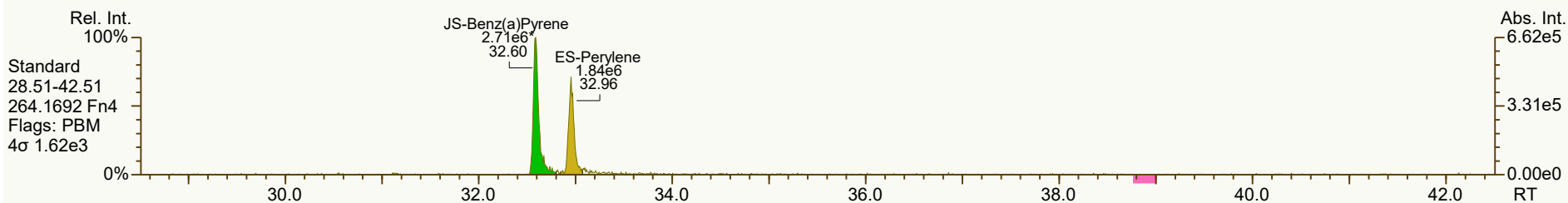
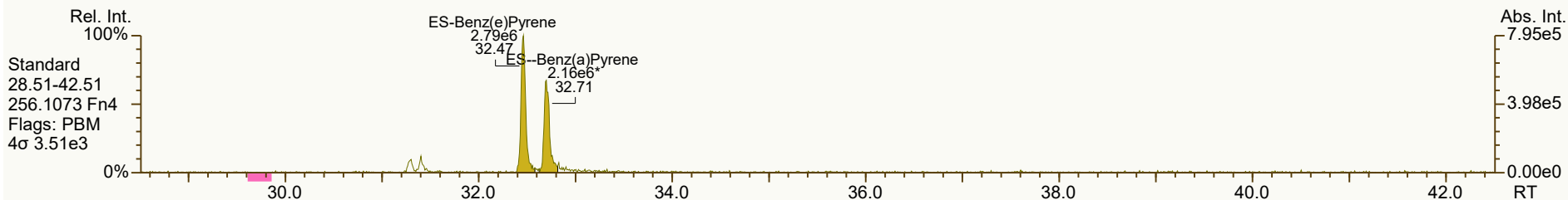
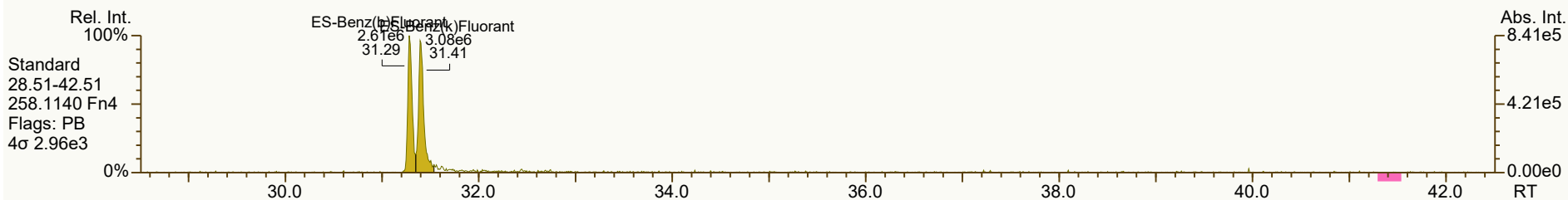
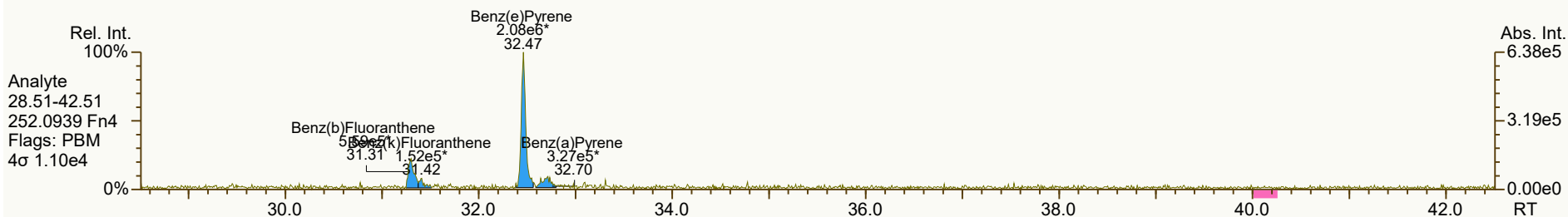
Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



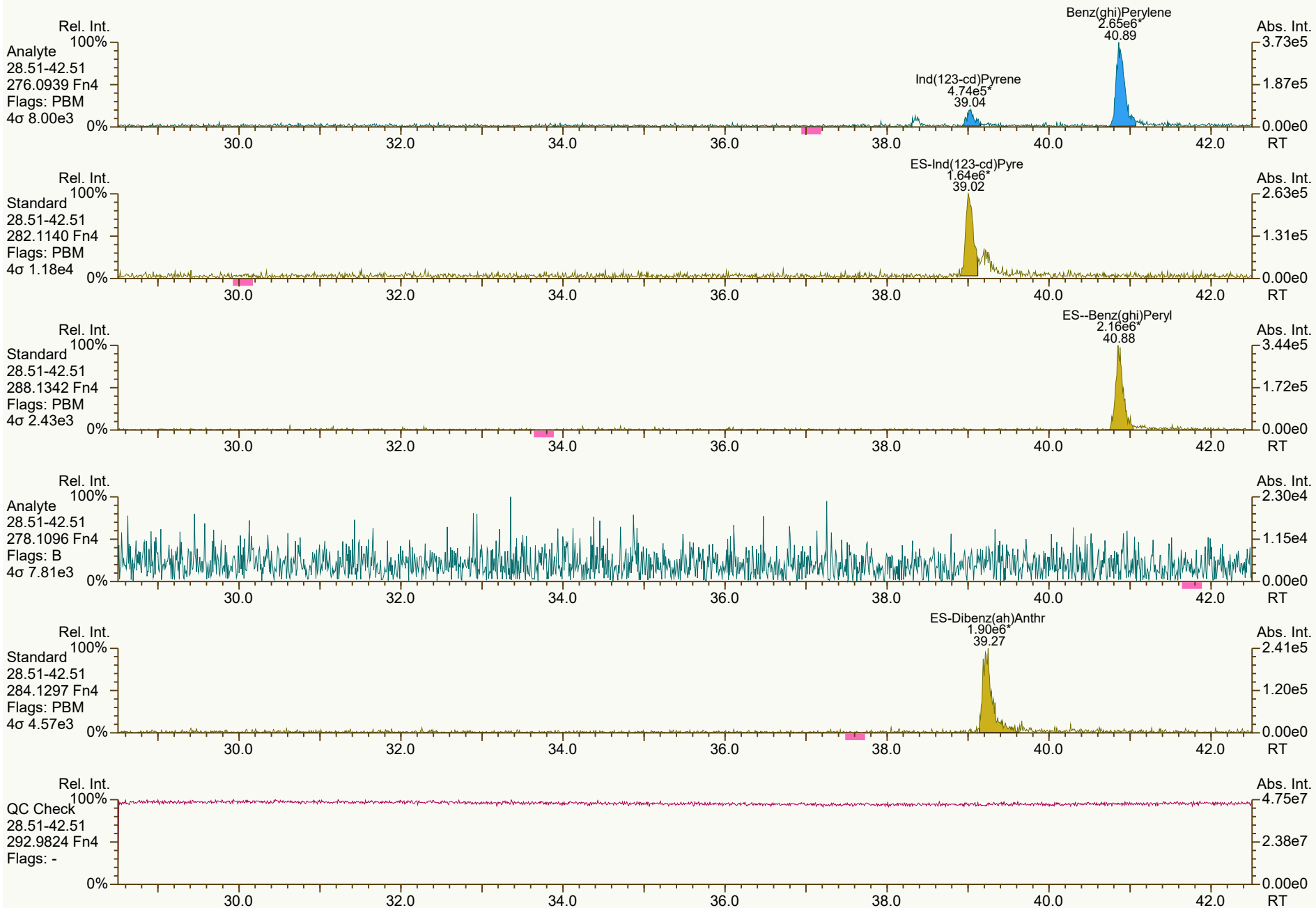
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_002-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1294, 6051, 4996, 8552 scc: 069-512

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:39 (DTF) Printed: 02-Oct-2024 11:13 Page 8 of 9

SGS ID: B9847_21458_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 18

Acq: 01-Oct-2024 07:08:25
User: DTF Datafile: 240930V22



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_002-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3852, 7009, 1464, 4732, 7094 scc: 069-512

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:39 (DTF) Printed: 02-Oct-2024 11:13 Page 9 of 9

Stats		PAH Ax		ES/SS		Checkcode: 966-963-BKK						
Largest +ve RT shift (secs)		0.6		2.0								
Largest -ve RT shift (secs)		-1.9		-0.5								
Name	Actual		QC	Pred	Actual	Diff	Response	Ra	Conc			
	RT			RRT	RRT	Secs			RRF	ng/Train	Noise	DL
Naphthalene	10.42	S	E	1.0005	0.9995	-0.6	6.91E+09	-	1.26	48700	3.46E+06	202.00000
2-Methylnaphthalene	12.98	S	E	1.0004	0.9991	-1.0	3.67E+09	-	1.17	44000	3.64E+04	2.28000
Acenaphthylene	15.96		E	1.0006	1.0000	-0.6	3.07E+08	-	0.96	3690	9.08E+04	5.60000
Acenaphthene	16.52		E	1.0005	1.0005	0	8.28E+07	-	1.28	1200	1.09E+05	7.49000
Fluorene	18.11		E	1.0005	1.0005	0	1.48E+08	-	1.04	1940	3.74E+04	2.24000
Phenanthrene	20.84		E	1.0004	1.0004	0	3.61E+08	-	1.18	2410	3.80E+04	1.13000
Anthracene	20.97			1.0000	1.0000	0	1.02E+07	-	1.24	87.1	3.80E+04	1.46000
Fluoranthene	23.97		B	1.0000	1.0003	+0.4	1.32E+07	-	0.95	81.7	2.79E+04	0.81100
Pyrene	24.55		B	1.0000	1.0003	+0.4	1.27E+07	-	1.02	76.7	2.79E+04	0.76500
Benzo (a) Anthracene	27.64		J	1.0000	1.0000	0	3.01E+05	-	1.16	2.52	1.61E+04	0.72500
Chrysene	27.75		J B	1.0003	1.0003	0	5.26E+05	-	1.18	3.82	1.61E+04	0.69800
Benzo (b) Fluoranthene	31.29		J B	1.0000	1.0003	+0.6	2.67E+05	-	1.08	3.24	9.31E+03	0.82200
Benzo (k) Fluoranthene	31.38		J B	1.0003	0.9995	-1.5	1.16E+05	-	0.94	1.47	9.31E+03	1.11000
Benzo (e) Pyrene	32.46			1.0000	1.0003	+0.6	4.87E+05	-	1.18	5.25	9.31E+03	0.91600
Benzo (a) Pyrene	32.70		J	0.9997	1.0000	+0.6	2.17E+05	-	1.15	3.17	9.31E+03	1.29000
Perylene	-			1.0039	0.0000		0.00E+00	-	1.22	ND	9.31E+03	1.50000
Indeno (1,2,3-cd) Pyrene	39.00		J B	1.0004	0.9996	-1.9	9.22E+04	-	1.05	1.79	8.27E+03	2.34000
Dibenzo (a,h) Anthracene	-			1.0007	0.0000		0.00E+00	-	1.14	ND	7.36E+03	2.61000
Benzo (ghi) Perylene	40.88		B	1.0006	1.0000	-1.5	5.30E+05	-	1.09	8.11	8.27E+03	1.86000

Datafile: 240930V23
Acquired: 01 Oct 2024 07:55:11

Client ID: Test #3 Mill on
Lab ID: B9847_21458_PAH_003-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)	0.6	2.0
Largest -ve RT shift (secs)	-1.9	-0.5

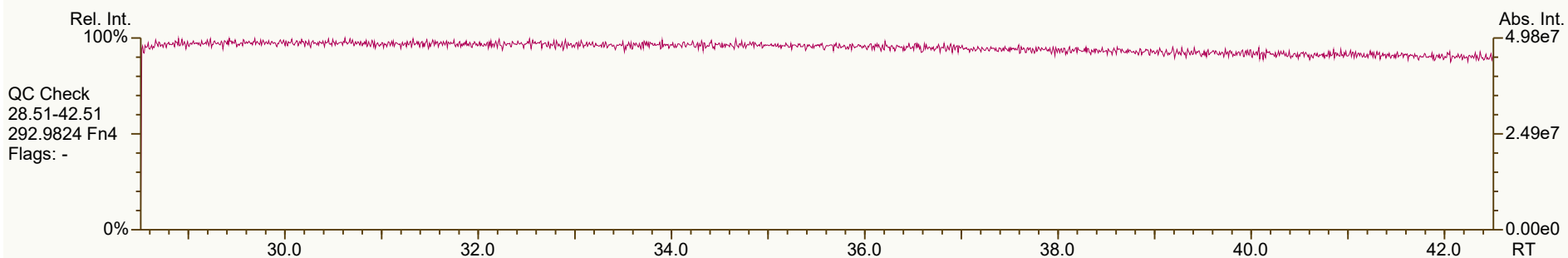
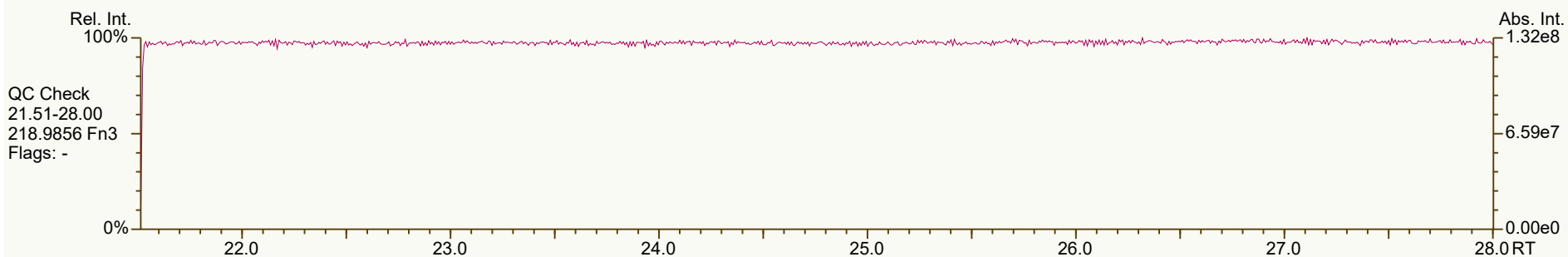
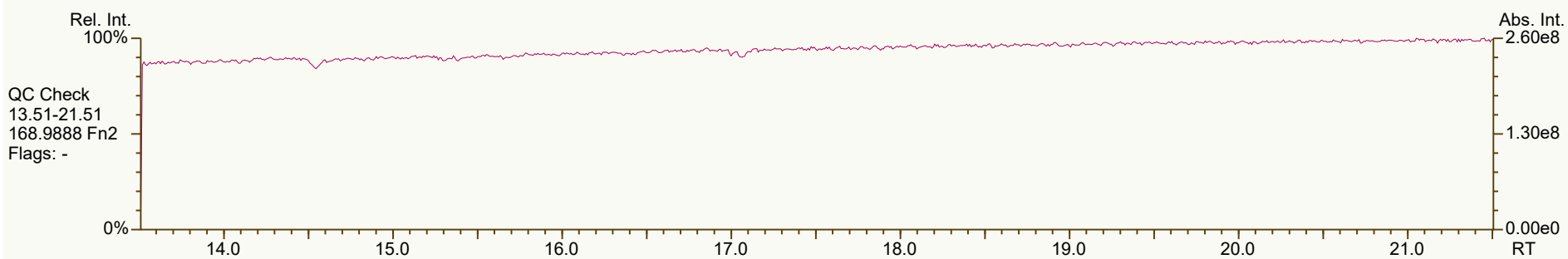
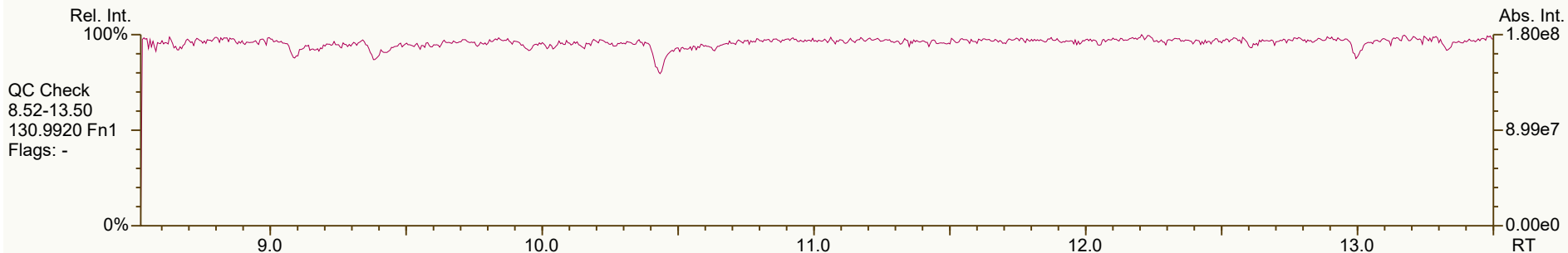
Checkcode: 966-963-BKK

	Actual		Pred	Actual	Diff					
Name	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.43		0.8088	0.8098	+0.8	4.51E+06	-	1.59	51.4	
13C6-2-Methylnaphthalene	12.99		1.0086	1.0086	0	2.84E+06	-	1.10	46.8	
13C6-Acenaphthylene	15.96		0.9717	0.9723	+0.6	3.45E+06	-	1.52	40.3	
13C6-Acenaphthene	16.51	H	1.0060	1.0060	0	2.16E+06	-	0.96	39.8	
13C6-Fluorene	18.10		1.1028	1.1028	0	2.95E+06	-	1.28	41	
13C6-Phenanthrene	20.83		1.2693	1.2692	-0.1	5.07E+06	-	1.84	48.9	
13C6-Anthracene	20.97	H	1.2780	1.2779	-0.1	3.77E+06	-	1.70	39.4	
13C6-Fluoranthene	23.96		0.9785	0.9782	-0.4	6.82E+06	-	1.23	68.9	
13C3-Pyrene	24.54		1.0023	1.0020	-0.4	6.45E+06	-	1.19	67.2	
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1284	0	4.10E+06	-	0.83	61.5	
13C6-Chrysene	27.74		1.1326	1.1326	0	4.68E+06	-	0.91	64.1	
13C6-Benzo (b) Fluoranthene	31.28		0.9602	0.9602	0	3.06E+06	-	1.35	79.7	
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9638	+0.4	3.38E+06	-	1.48	80	
13C4-Benzo (e) Pyrene	32.45		0.9961	0.9961	0	3.15E+06	-	1.28	86.3	
13C4-Benzo (a) Pyrene	32.70		1.0036	1.0036	0	2.39E+06	-	1.15	72.8	
dl2-Perylene	32.95		1.0112	1.0112	0	2.17E+06	-	0.91	83.6	
13C6-Indeno (1,2,3-cd) Pyrene	39.02		1.1968	1.1976	+1.6	1.97E+06	-	0.98	71.1	
13C6-Dibenzo (ah) Anthracene	39.23		1.2031	1.2041	+2.0	1.87E+06	-	0.96	68.5	
13C12-Benzo (ghi) Perylene	40.88		1.2539	1.2546	+1.4	2.41E+06	-	1.16	73.1	
AS--Anthracene (FS)	20.92	V	H	1.2748	1.2747	-0.1	2.75E+06	-	1.26	38.9
SS-Fluorene	18.01		0.9956	0.9951	-0.5	2.47E+06	-	0.91	92.5	
SS-Terphenyl	24.91		1.0396	1.0400	+0.6	4.57E+06	-	0.82	81.9	
JS-Methylnaphthalene	12.88		-	-	-	5.50E+06	-	-	-	
JS-Acenaphthene	16.41		-	-	-	5.63E+06	-	-	-	
JS-Pyrene	24.49		-	-	-	8.06E+06	-	-	-	
JS-Benzo (a) Pyrene	32.58		-	-	-	2.85E+06	-	-	-	

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



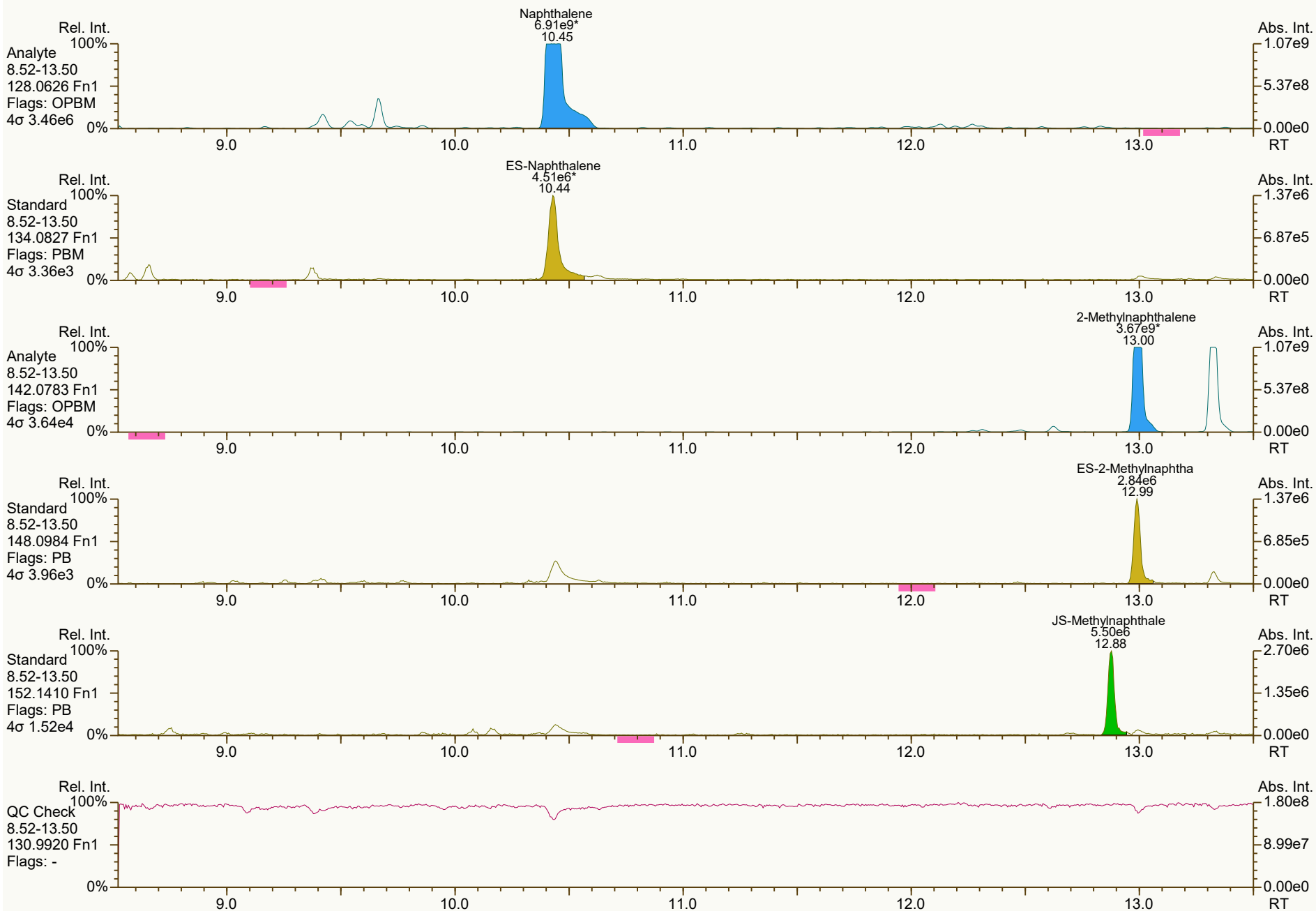
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 966-963

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:13 Page 1 of 9

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6972, 4195, 2349, 4627, 8217 scc: 966-963

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:41 (DTF) Printed: 02-Oct-2024 11:13 Page 2 of 9

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



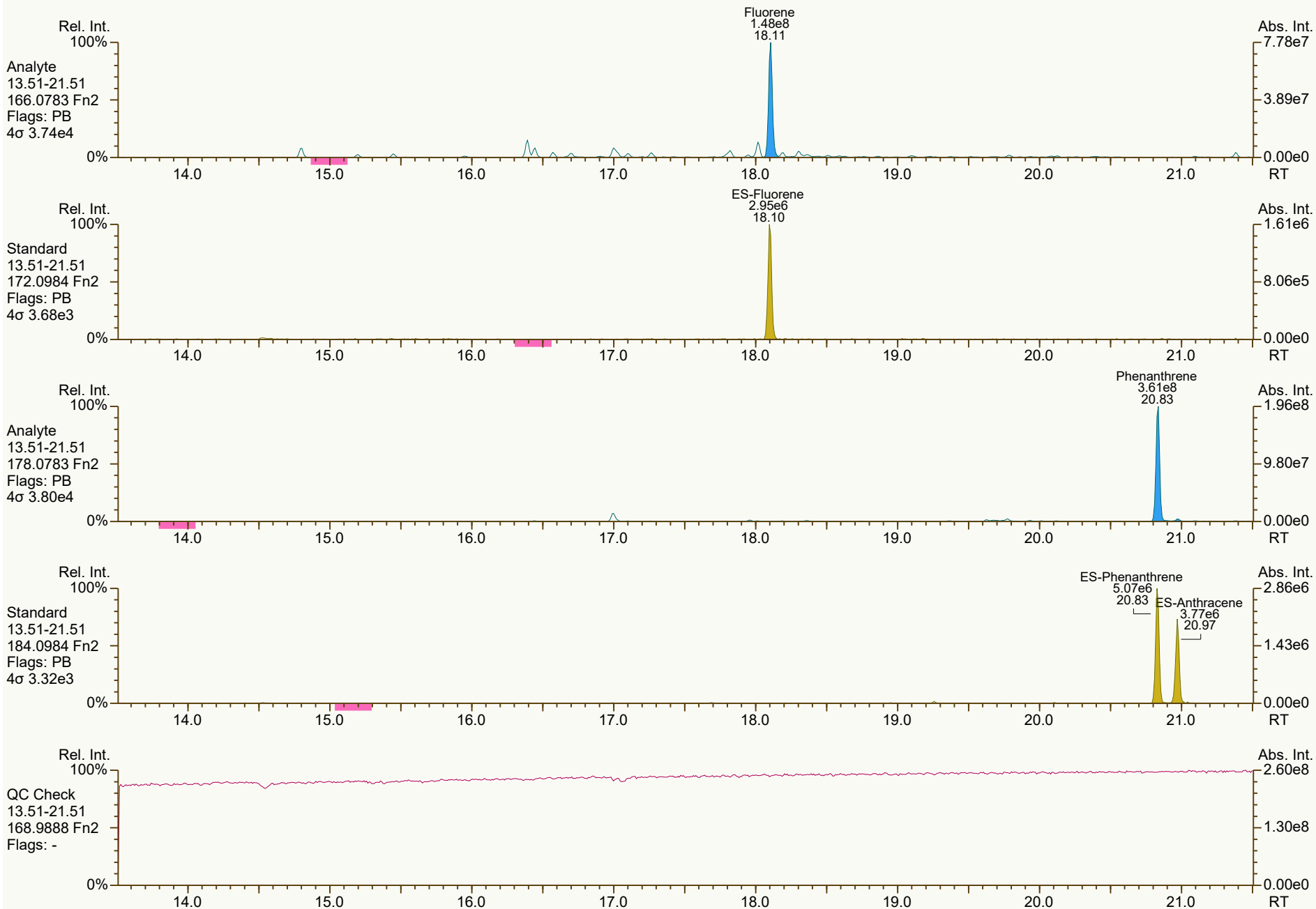
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9219, 9221, 7071, 7466, 3393 scc: 966-963

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:40 Printed: 02-Oct-2024 11:13 Page 3 of 9

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



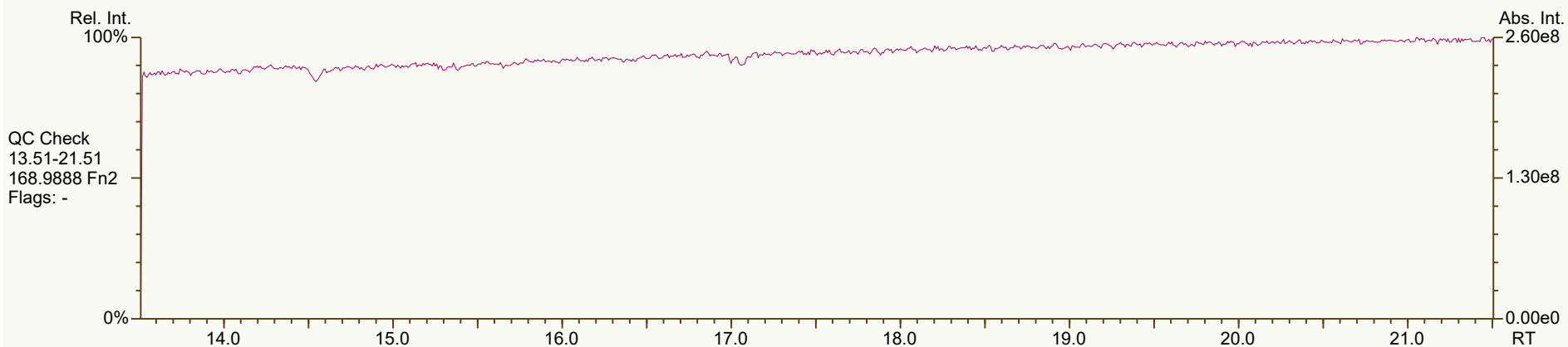
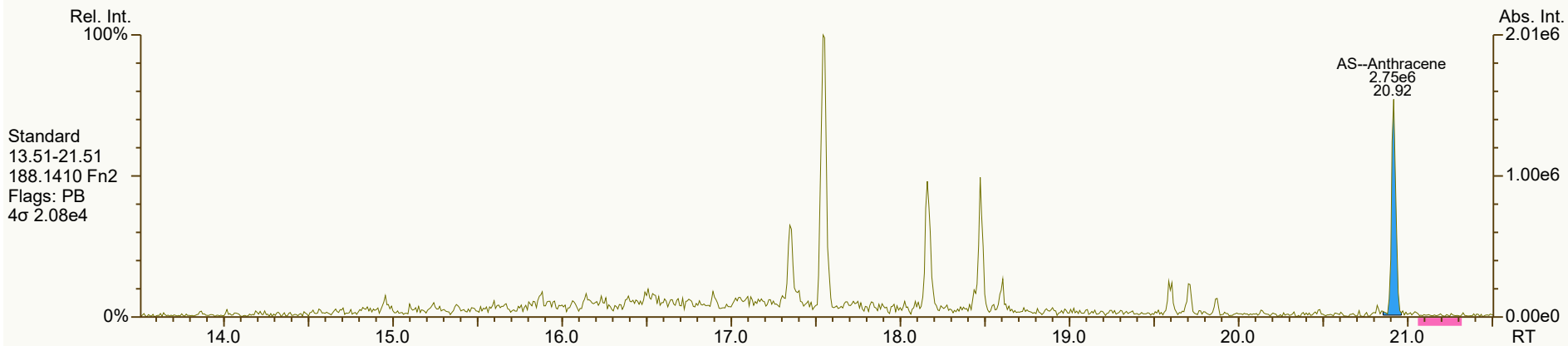
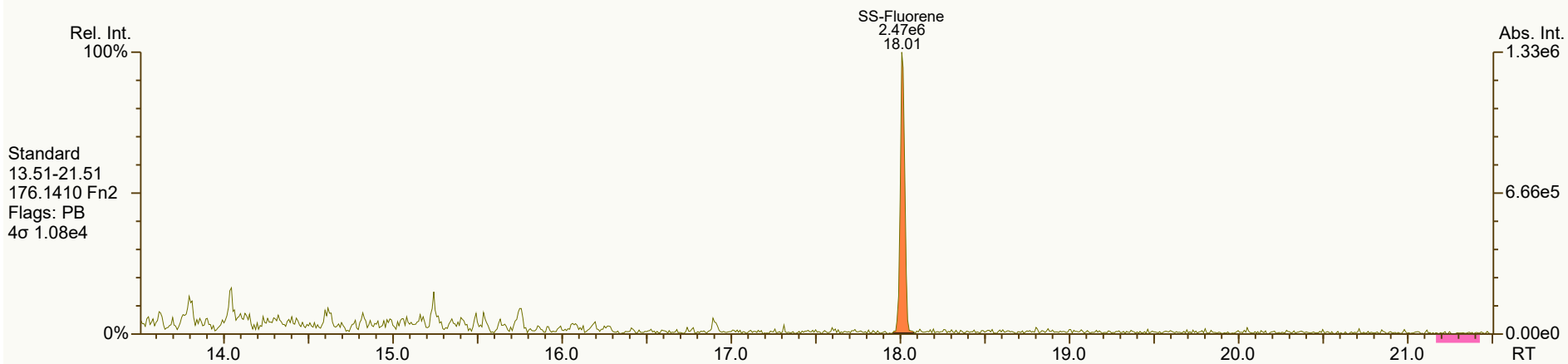
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3194, 6326, 5981, 2524 scc: 966-963

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:40 Printed: 02-Oct-2024 11:13 Page 4 of 9

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5413, 8518 scc: 966-963

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:40 Printed: 02-Oct-2024 11:13 Page 5 of 9

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



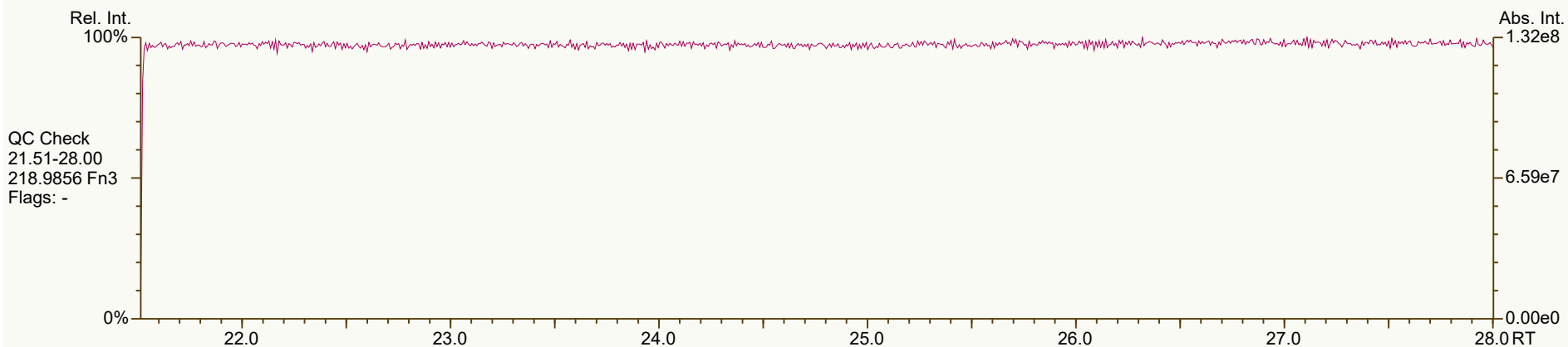
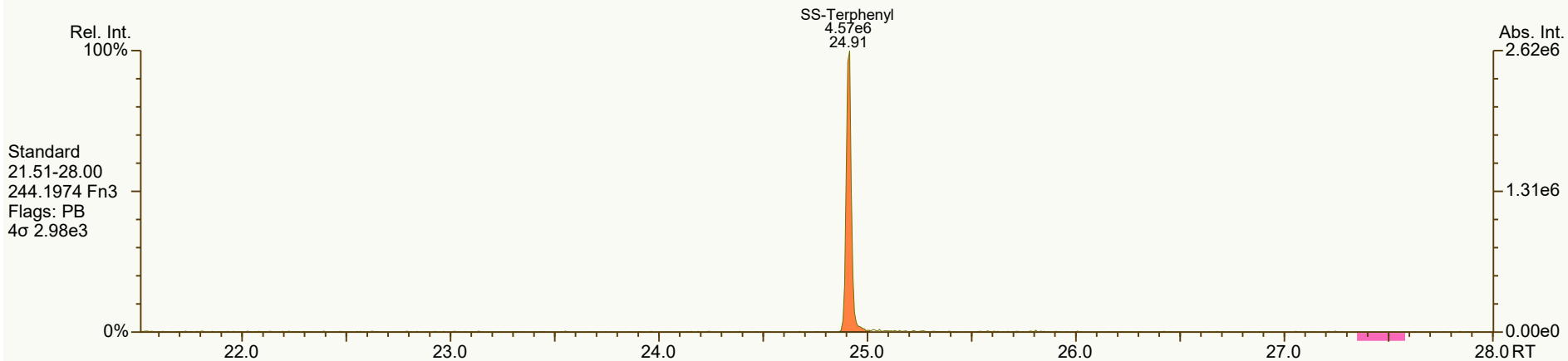
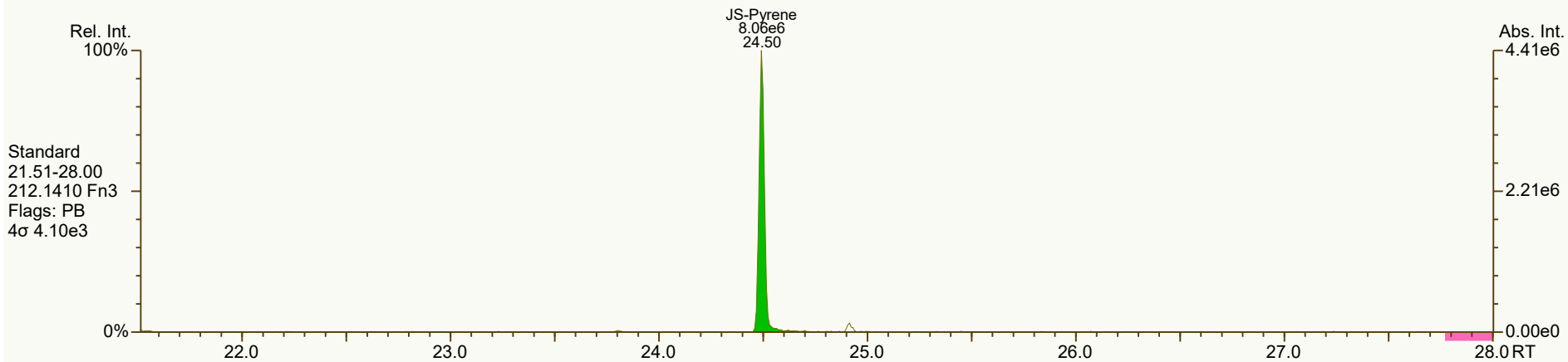
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1562, 5855, 9985, 9541, 3355 scc: 966-963

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:41 (DTF) Printed: 02-Oct-2024 11:13 Page 6 of 9

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

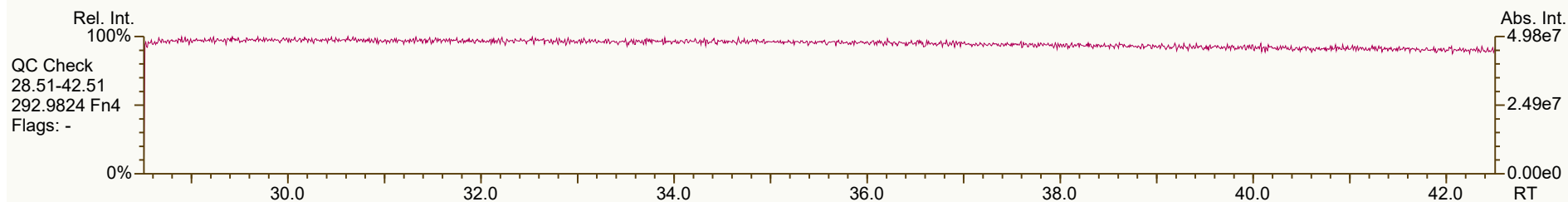
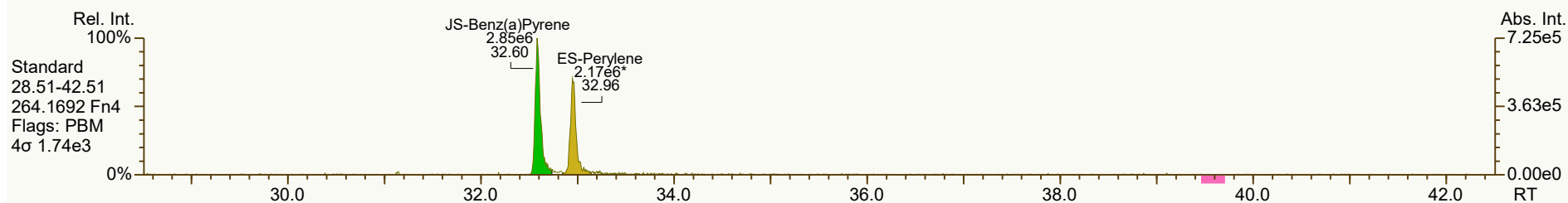
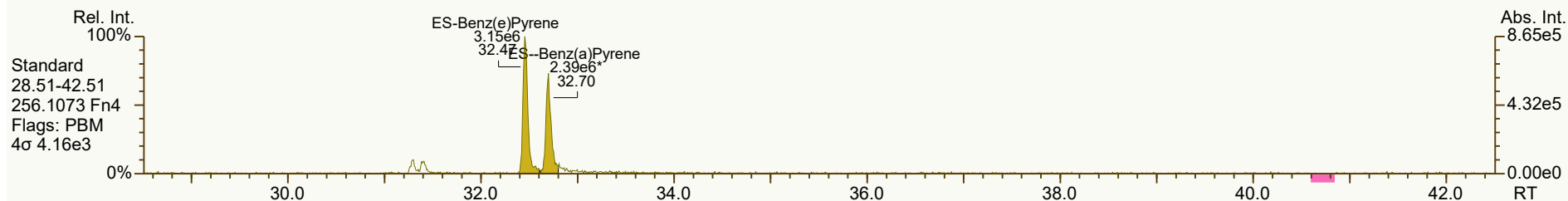
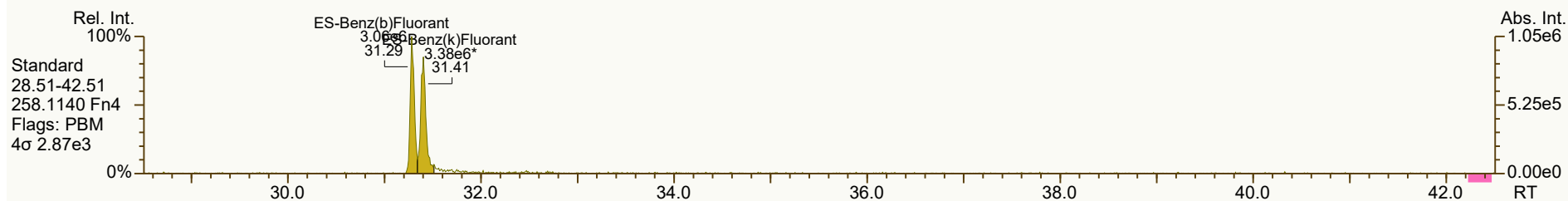
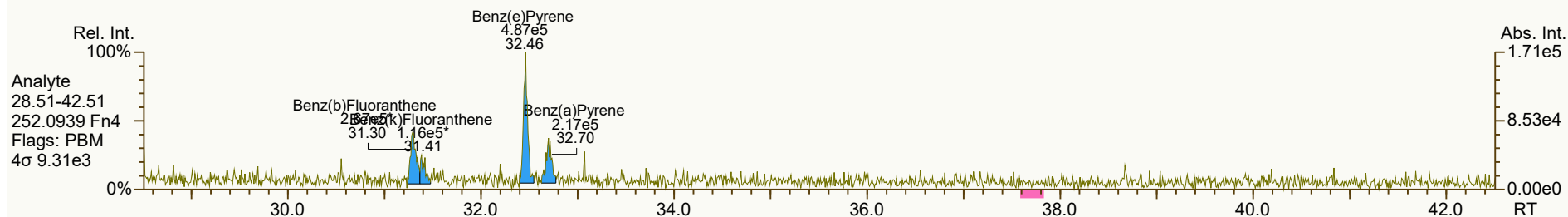
Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



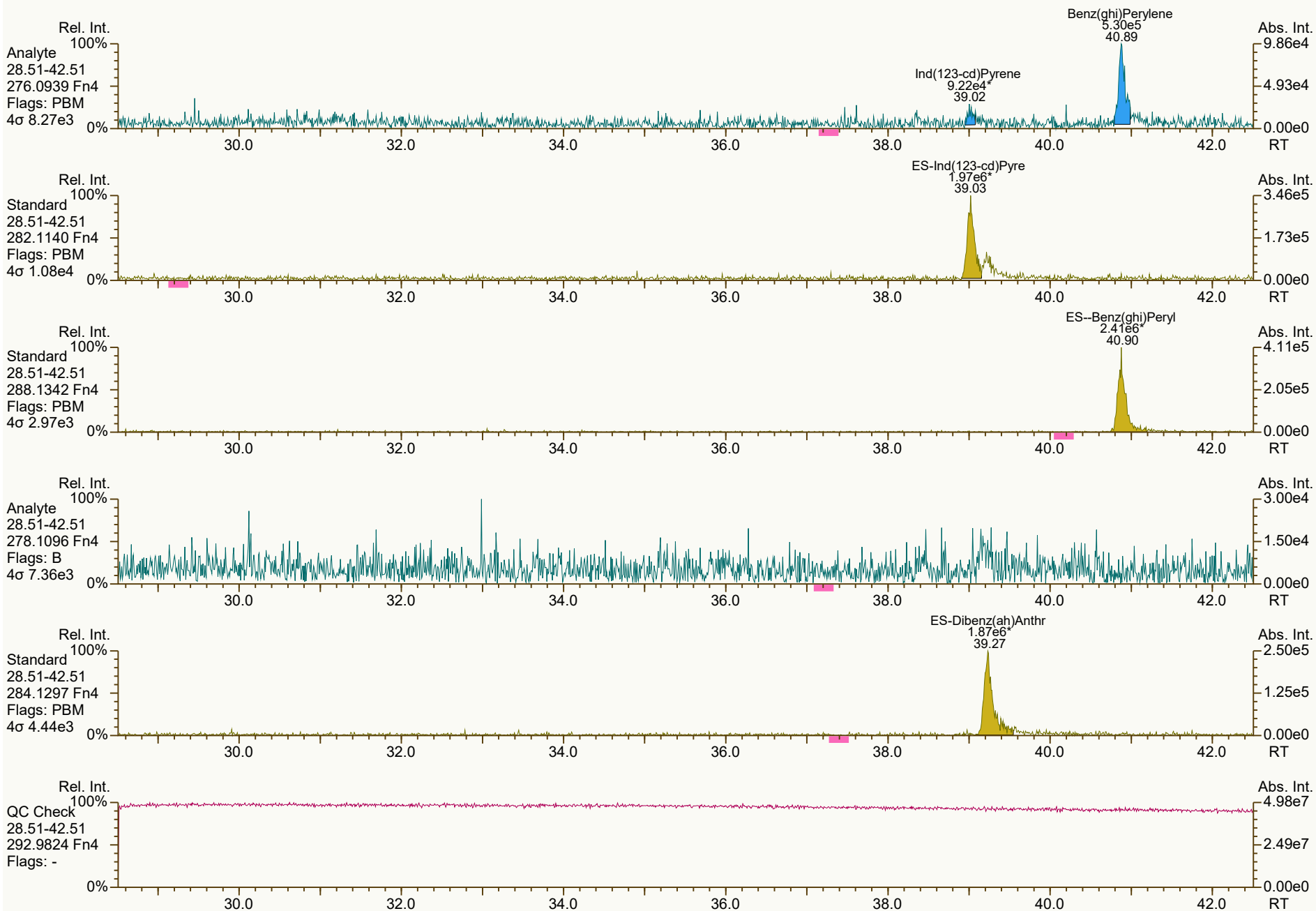
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7374, 3980, 2473, 2316 scc: 966-963

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:41 (DTF) Printed: 02-Oct-2024 11:13 Page 8 of 9

SGS ID: B9847_21458_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 19

Acq: 01-Oct-2024 07:55:11
User: DTF Datafile: 240930V23



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_003-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3583, 4393, 9010, 9728, 0042 scc: 966-963

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:41 (DTF) Printed: 02-Oct-2024 11:13 Page 9 of 9

Datafile: 240930V24
Acquired: 01 Oct 2024 08:41:57

Client ID: Test #4 Mill on
Lab ID: B9847_21458_PAH_004-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)	2.2	2.3
Largest -ve RT shift (secs)	-0.5	-1.0

Checkcode: 513-707-CPT

	Actual			Pred	Actual	Diff		Conc				
Name	RT	QC		RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.44	S	E	1.0005	1.0011	+0.4	5.16E+09	-	1.26	54200	1.24E+06	95.70000
2-Methylnaphthalene	13.00		E	1.0004	1.0004	0	1.19E+09	-	1.17	20700	3.12E+04	2.60000
Acenaphthylene	15.96		E	1.0006	1.0006	0	3.73E+07	-	0.96	585	7.48E+04	5.67000
Acenaphthene	16.52			1.0005	1.0000	-0.5	1.48E+07	-	1.28	267	4.60E+04	3.98000
Fluorene	18.11			1.0005	1.0000	-0.5	1.85E+07	-	1.04	319	3.24E+04	2.46000
Phenanthrene	20.84		B	1.0004	1.0000	-0.5	3.19E+07	-	1.18	282	3.18E+04	1.15000
Anthracene	20.98			1.0000	1.0004	+0.5	2.59E+06	-	1.24	26.3	3.18E+04	1.44000
Fluoranthene	23.97		B	1.0000	1.0000	0	7.97E+06	-	0.95	61.4	3.20E+04	1.10000
Pyrene	24.55		B	1.0000	1.0000	0	6.48E+06	-	1.02	46.7	3.20E+04	1.07000
Benzo (a) Anthracene	27.64		J	1.0000	1.0003	+0.5	1.95E+05	-	1.16	1.97	1.13E+04	0.64000
Chrysene	27.74		J B	1.0003	1.0000	-0.5	4.22E+05	-	1.18	3.9	1.13E+04	0.59700
Benzo (b) Fluoranthene	31.31			1.0000	1.0003	+0.6	3.21E+05	-	1.08	4.94	1.14E+04	1.44000
Benzo (k) Fluoranthene	-			1.0003	0.0000		0.00E+00	-	0.94	ND	1.14E+04	1.69000
Benzo (e) Pyrene	32.46			1.0000	1.0000	0	4.64E+05	-	1.18	6.43	1.14E+04	1.37000
Benzo (a) Pyrene	32.72		J B	0.9997	1.0008	+2.2	1.11E+05	-	1.15	1.99	1.14E+04	2.02000
Perylene	-			1.0039	0.0000		0.00E+00	-	1.22	ND	1.14E+04	2.50000
Indeno (1,2,3-cd) Pyrene	-			1.0004	0.0000		0.00E+00	-	1.05	ND	7.03E+03	2.78000
Dibenzo (a,h) Anthracene	-			1.0007	0.0000		0.00E+00	-	1.14	ND	7.07E+03	3.05000
Benzo (ghi) Perylene	40.89		B	1.0006	1.0006	0	3.95E+05	-	1.09	7.97	7.03E+03	2.54000

Datafile: 240930V24
Acquired: 01 Oct 2024 08:41:57

Client ID: Test #4 Mill on
Lab ID: B9847_21458_PAH_004-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

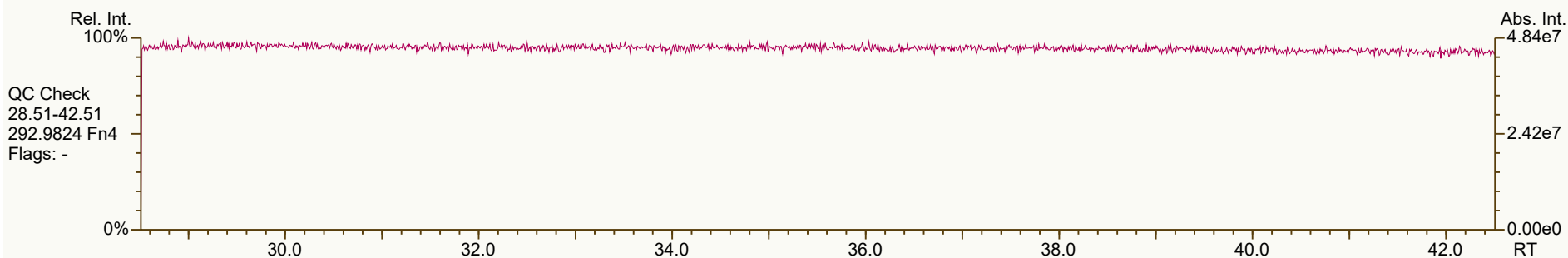
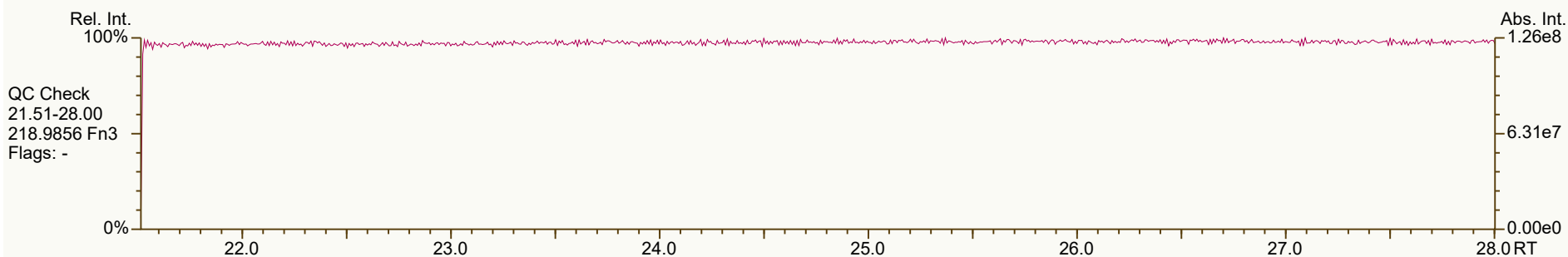
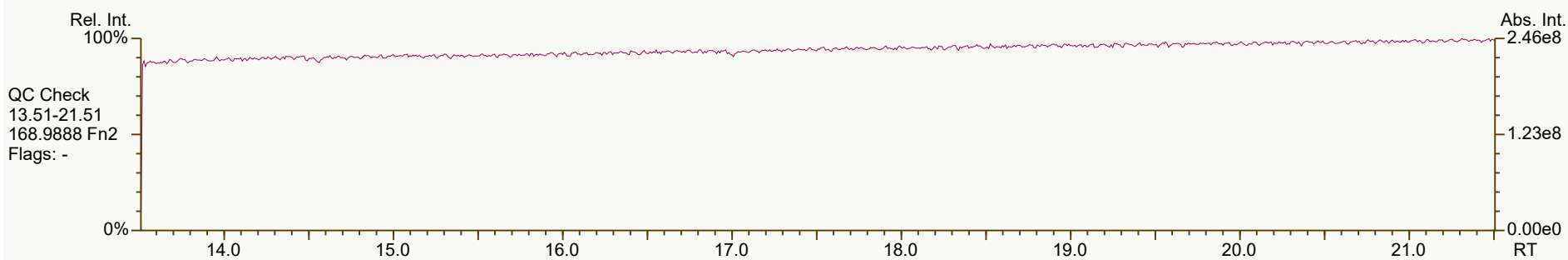
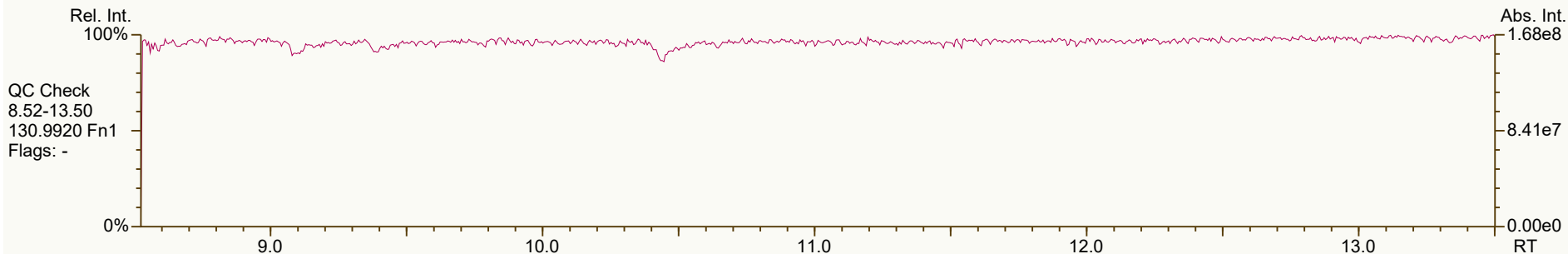
Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Stats		PAH Ax	ES/SS		Checkcode: 513-707-CPT				
Largest +ve RT shift (secs)		2.2	2.3						
Largest -ve RT shift (secs)		-0.5	-1.0						
Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.
	RT	QC	RRT	RRT	Secs				
13C6-Naphthalene	10.43		0.8088	0.8098	+0.8	3.03E+06	-	1.59	52.3
13C6-2-Methylnaphthalene	12.99		1.0086	1.0086	0	1.96E+06	-	1.10	49
13C6-Acenaphthylene	15.96		0.9717	0.9723	+0.6	2.64E+06	-	1.52	46.7
13C6-Acenaphthene	16.52		1.0060	1.0065	+0.5	1.74E+06	-	0.96	48.7
13C6-Fluorene	18.11		1.1028	1.1034	+0.6	2.23E+06	-	1.28	47
13C6-Phenanthrene	20.84		1.2693	1.2698	+0.5	3.84E+06	-	1.84	56.1
13C6-Anthracene	20.97		1.2780	1.2779	-0.1	3.18E+06	-	1.70	50.4
13C6-Fluoranthene	23.97		0.9785	0.9782	-0.4	5.49E+06	-	1.23	66.9
13C3-Pyrene	24.55		1.0023	1.0020	-0.4	5.42E+06	-	1.19	68.2
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1280	-0.6	3.40E+06	-	0.83	61.6
13C6-Chrysene	27.74		1.1326	1.1323	-0.4	3.67E+06	-	0.91	60.7
13C6-Benzo (b) Fluoranthene	31.30		0.9602	0.9604	+0.4	2.41E+06	-	1.35	83.7
13C6-Benzo (k) Fluoranthene	31.41		0.9636	0.9638	+0.4	2.73E+06	-	1.48	86.2
13C4-Benzo (e) Pyrene	32.46		0.9961	0.9961	0	2.45E+06	-	1.28	89.4
13C4-Benzo (a) Pyrene	32.69		1.0036	1.0031	-1.0	1.94E+06	-	1.15	79
dl2-Perylene	32.95		1.0112	1.0112	0	1.52E+06	-	0.91	77.9
13C6-Indeno (1,2,3-cd) Pyrene	39.02		1.1968	1.1973	+1.0	1.50E+06	-	0.98	72
13C6-Dibenzo (ah) Anthracene	39.25		1.2031	1.2043	+2.3	1.46E+06	-	0.96	71.1
13C12-Benzo (ghi) Perylene	40.86		1.2539	1.2538	-0.2	1.82E+06	-	1.16	73.9
AS--Anthracene (FS)	20.93	V	1.2748	1.2752	+0.4	2.05E+06	-	1.26	43.8
SS-Fluorene	18.02		0.9956	0.9951	-0.5	2.07E+06	-	0.91	102
SS-Terphenyl	24.91		1.0396	1.0396	0	3.78E+06	-	0.82	84.3
JS-Methylnaphthalene	12.88		-	-	-	3.63E+06	-	-	-
JS-Acenaphthene	16.41		-	-	-	3.72E+06	-	-	-
JS-Pyrene	24.50		-	-	-	6.67E+06	-	-	-
JS-Benzo (a) Pyrene	32.59		-	-	-	2.13E+06	-	-	-

SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



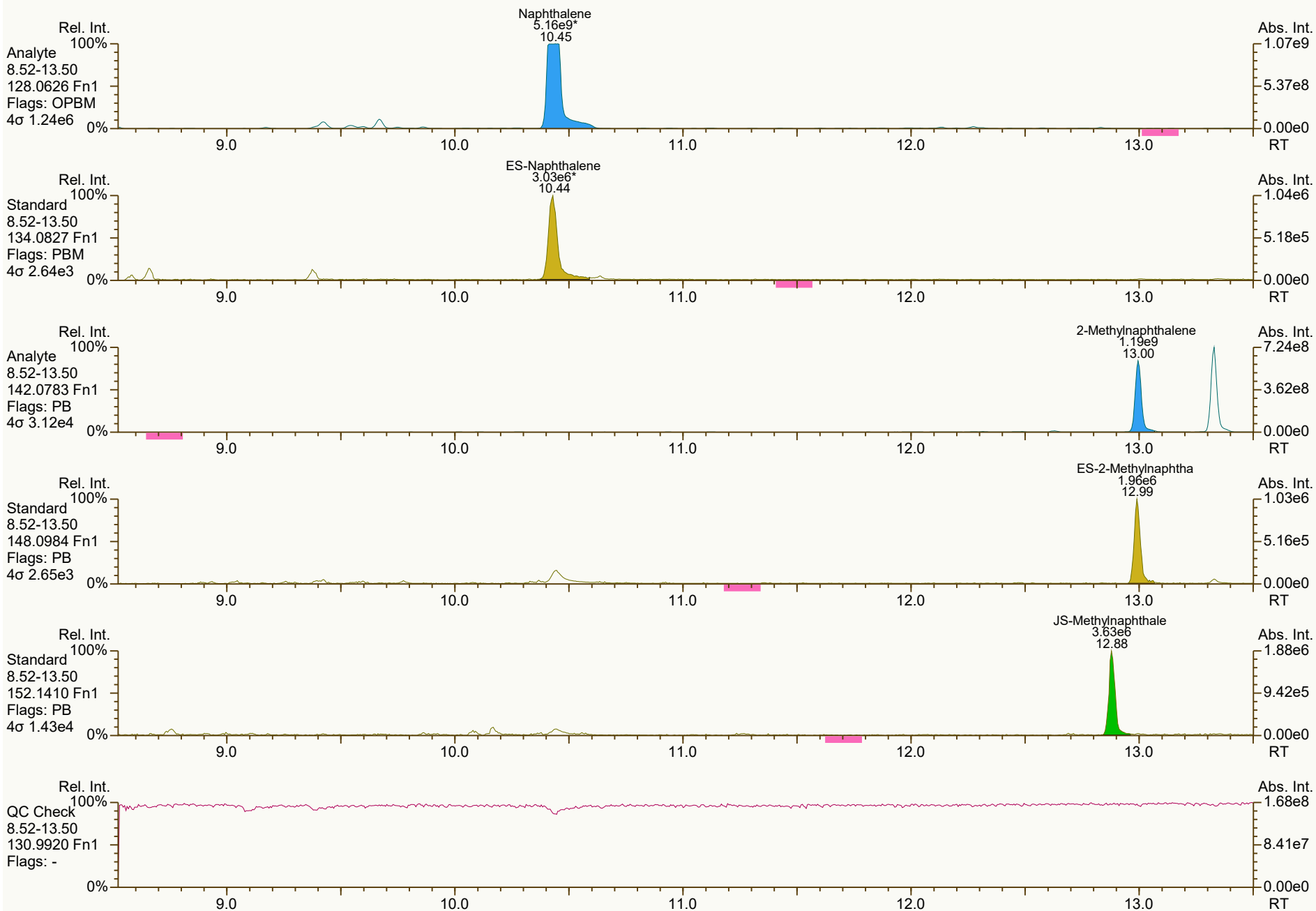
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_004-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 513-707

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:13 Page 1 of 9

SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_004-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7833, 7995, 3380, 7747, 2027 scc: 513-707

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:48 (DTF) Printed: 02-Oct-2024 11:13 Page 2 of 9

SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



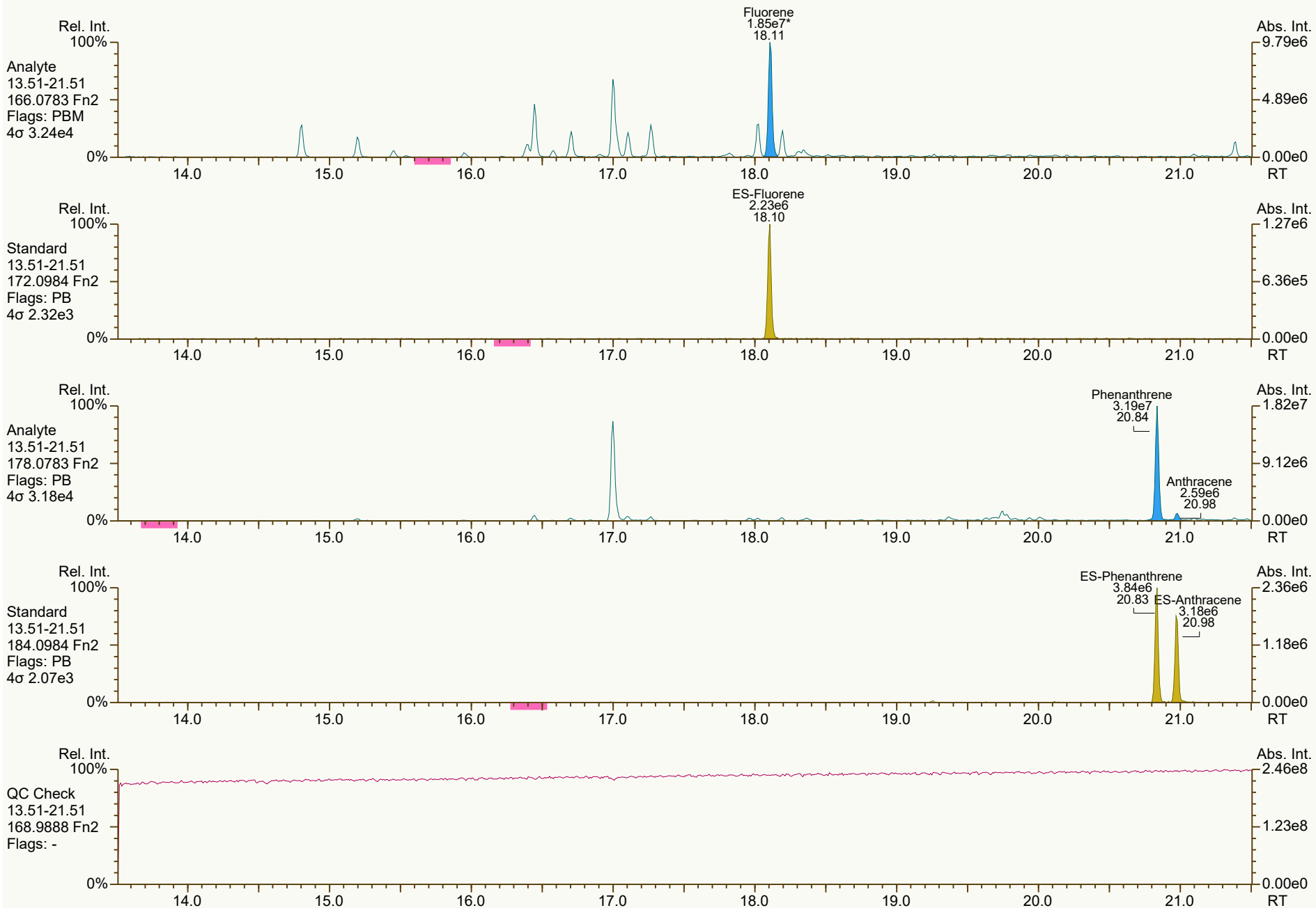
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_004-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5953, 9807, 2018, 6578, 8409 scc: 513-707

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:47 Printed: 02-Oct-2024 11:13 Page 3 of 9

SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



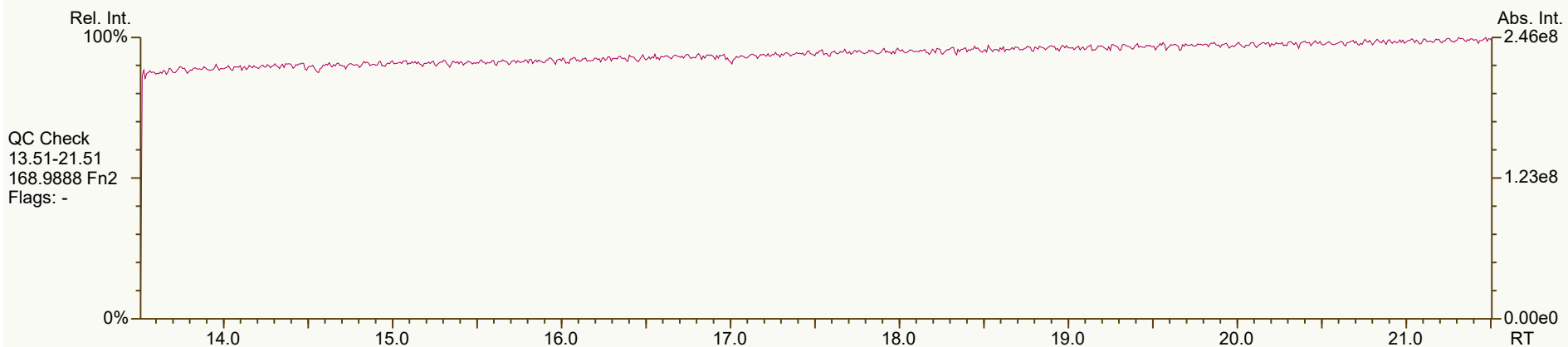
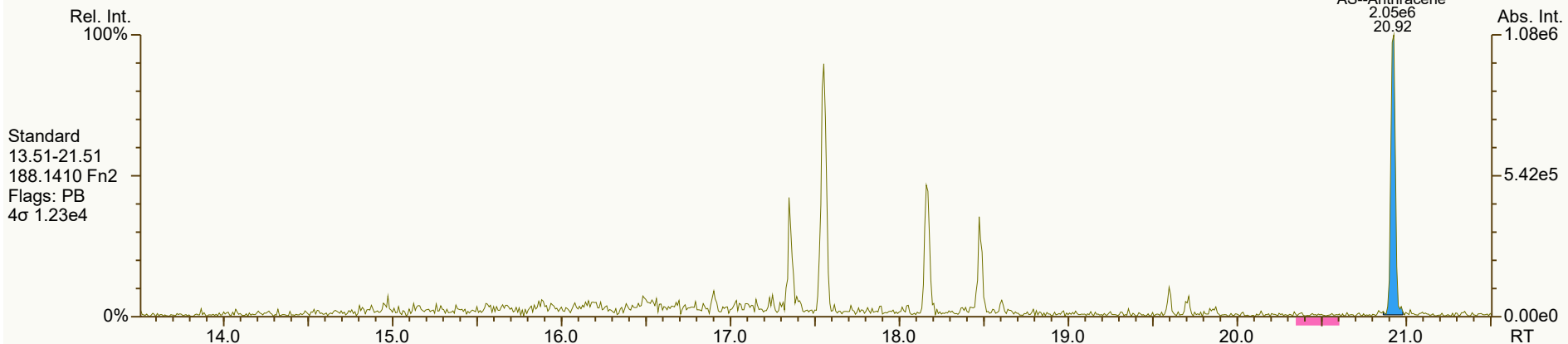
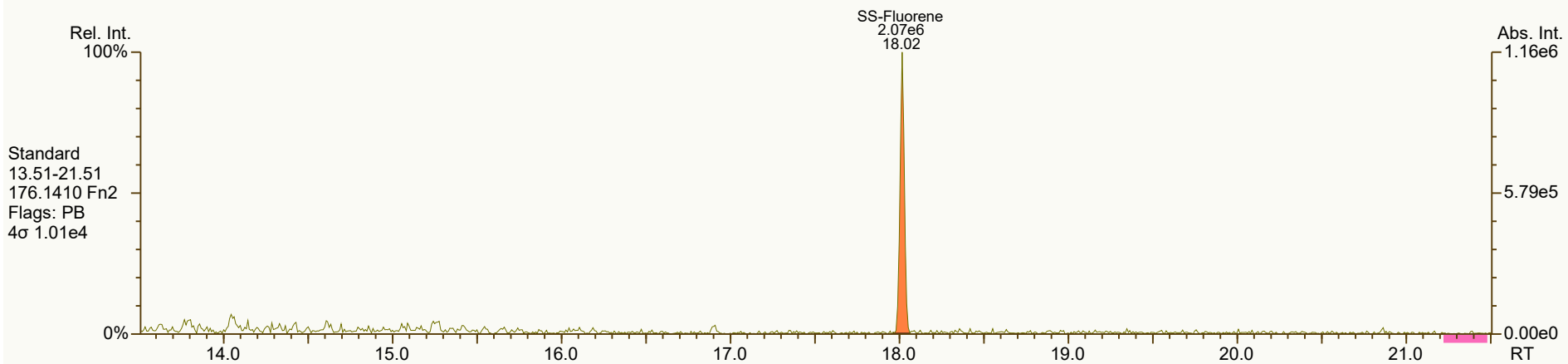
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_004-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5096, 6968, 0607, 8968 scc: 513-707

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:48 (DTF) Printed: 02-Oct-2024 11:13 Page 4 of 9

SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

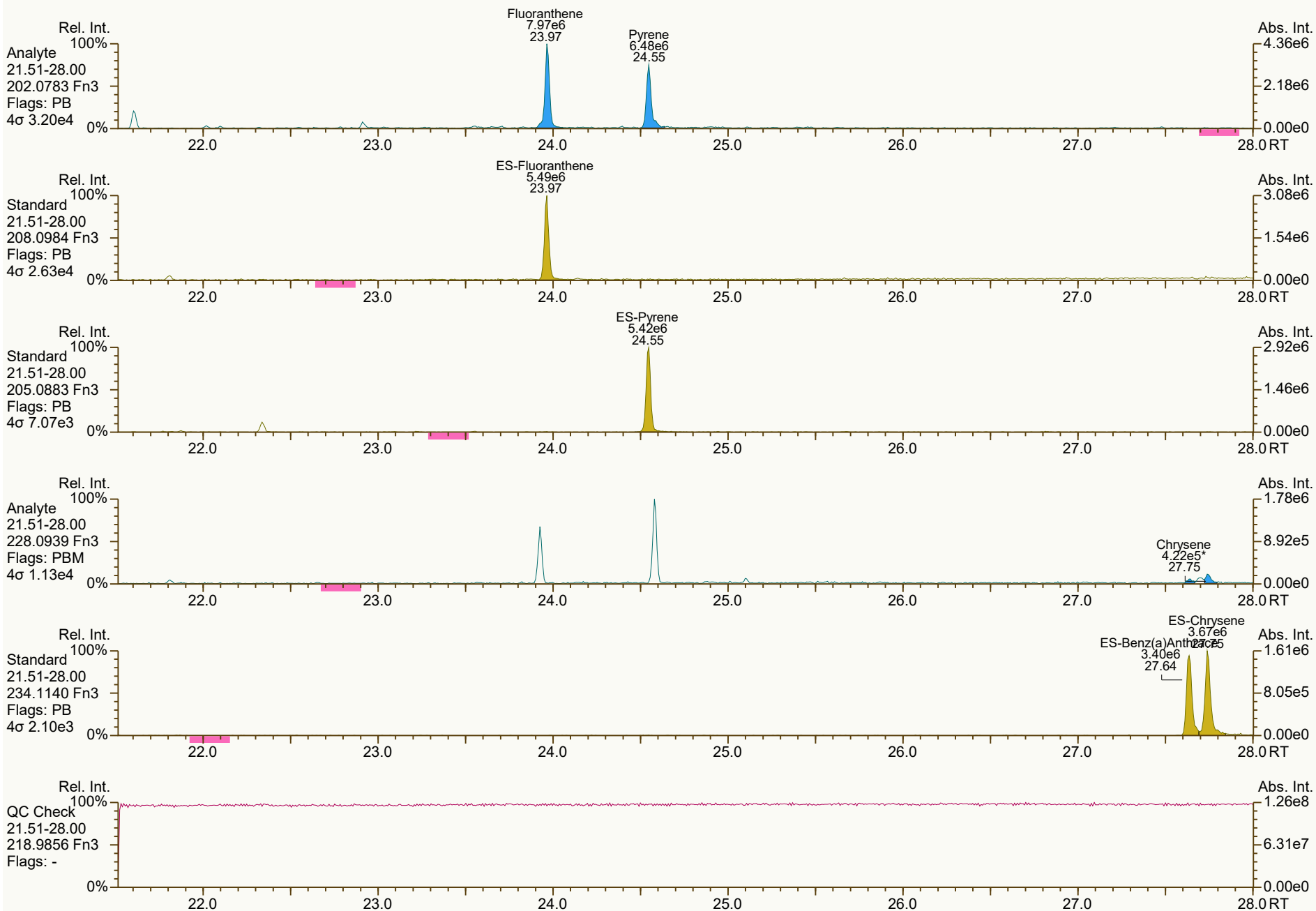
Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



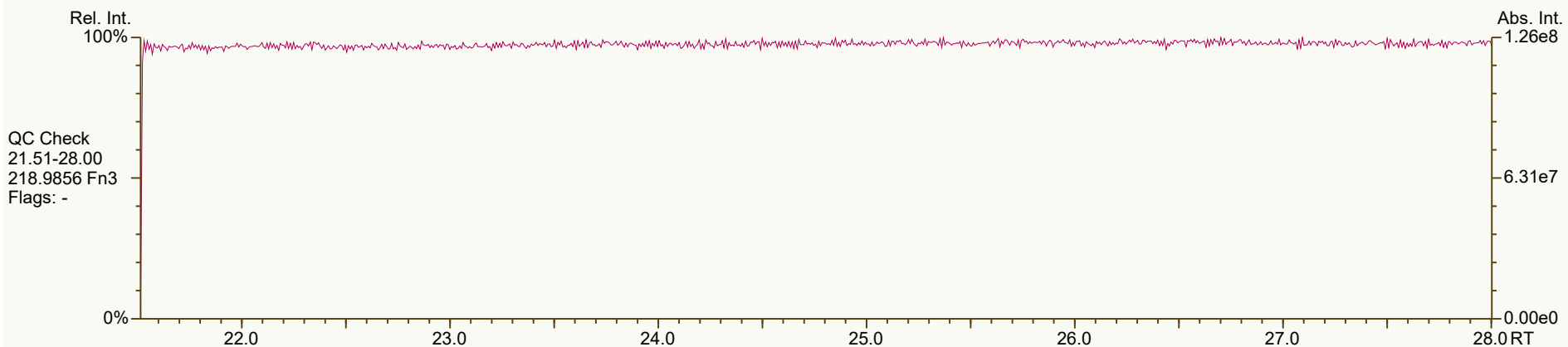
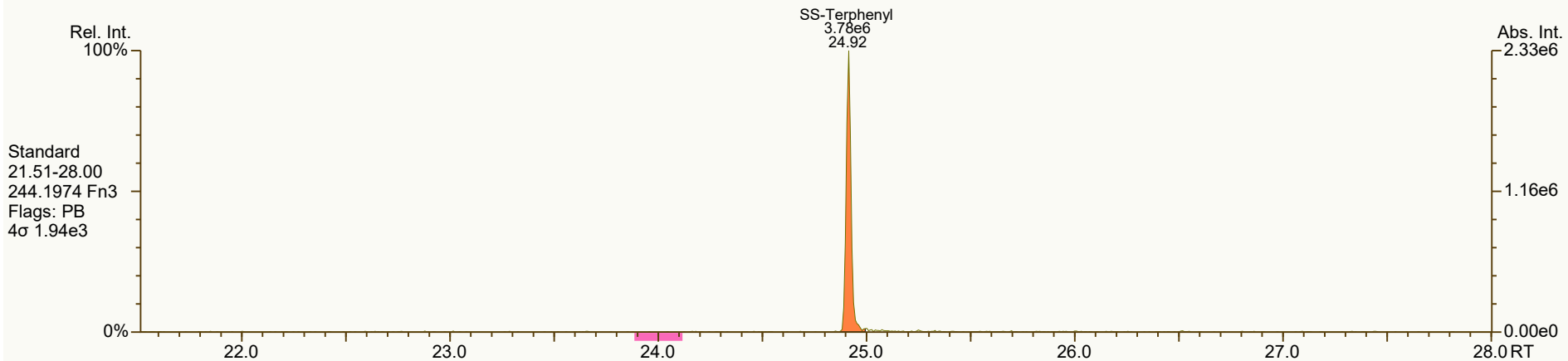
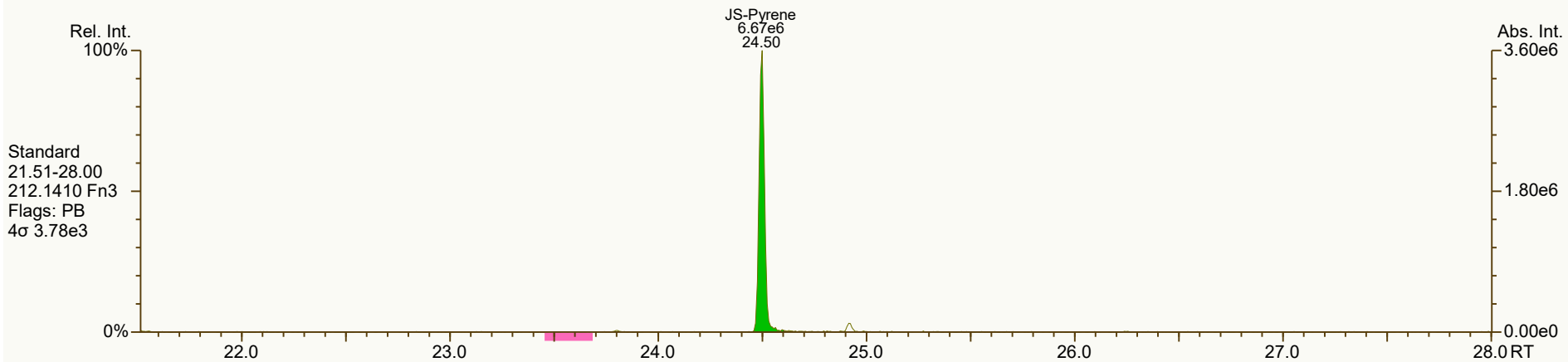
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_004-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7474, 6816, 5356, 9360, 3971 scc: 513-707

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:48 (DTF) Printed: 02-Oct-2024 11:13 Page 6 of 9

SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

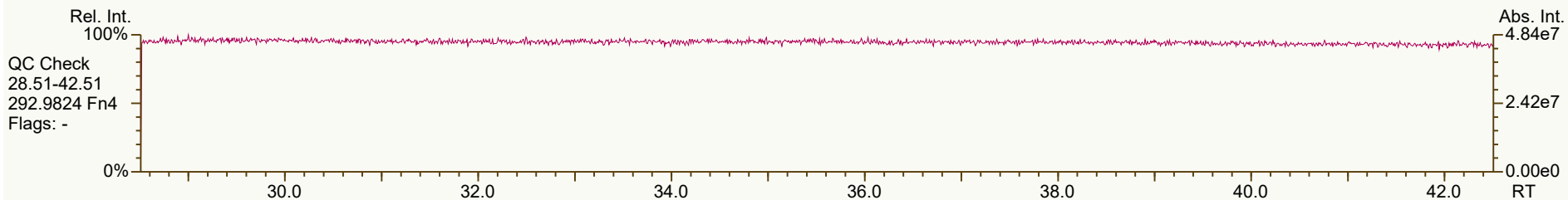
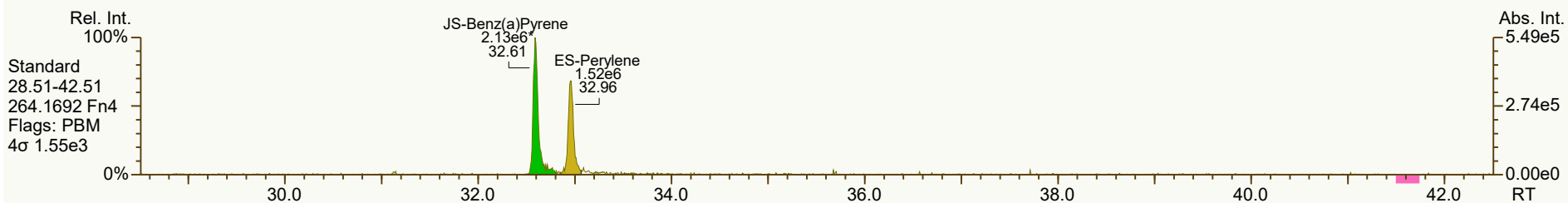
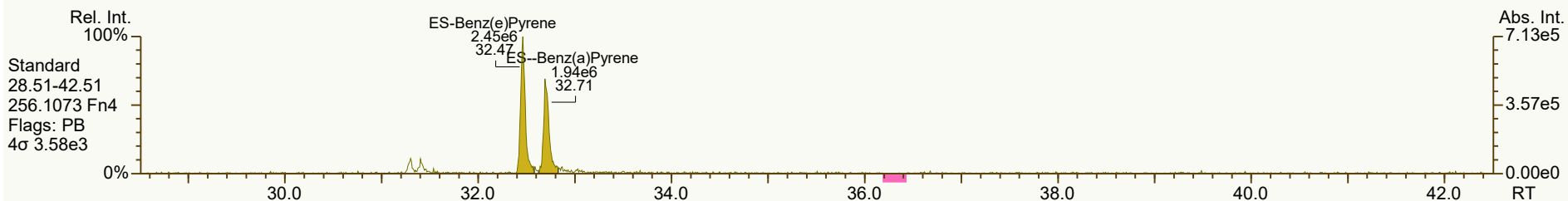
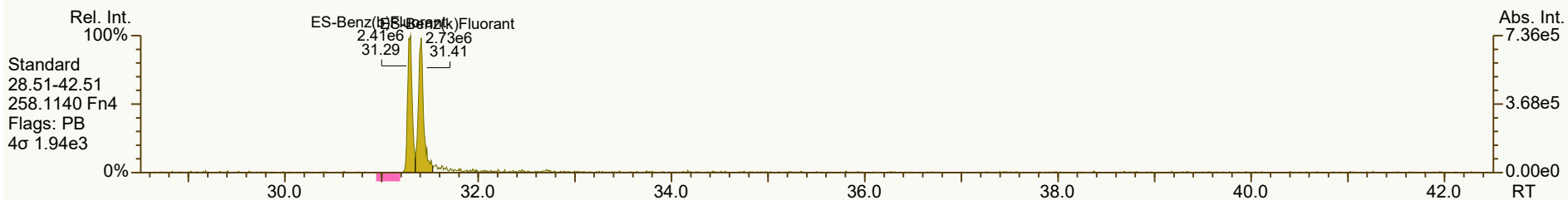
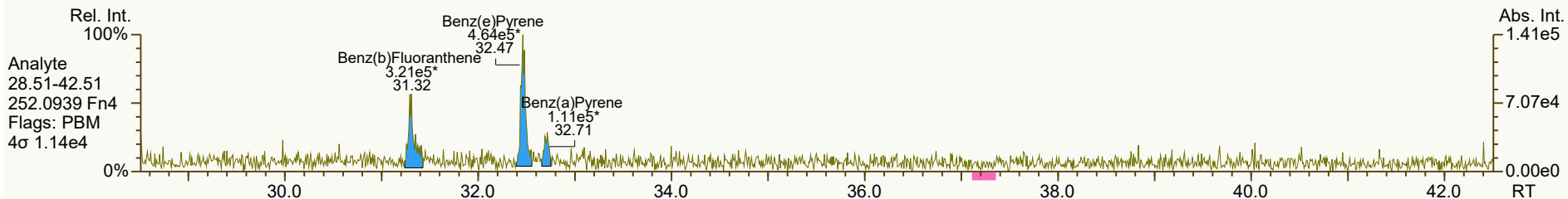
Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_004-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0921, 1052, 1508, 0447 scc: 513-707

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:48 (DTF) Printed: 02-Oct-2024 11:13 Page 8 of 9

SGS ID: B9847_21458_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pah GC: pah Vial: 20

Acq: 01-Oct-2024 08:41:57
User: DTF Datafile: 240930V24



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_004-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0837, 3434, 8672, 1108, 9452 scc: 513-707

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:48 (DTF) Printed: 02-Oct-2024 11:13 Page 9 of 9

Datafile: 240930V25
Acquired: 01 Oct 2024 09:28:36

Client ID: Test #1 Mill off
Lab ID: B9847_21458_PAH_005-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)	0.9	2.3
Largest -ve RT shift (secs)	-1.3	-0.6

Checkcode: 222-292-QTW

Name	Actual		QC	Pred		Actual		Diff	Secs	Response	Ra	RRF	Conc		Noise	DL
	RT			RRT		RRT							ng/Train			
Naphthalene	10.43	S	E	1.0005		0.9984		-1.3		6.84E+09	-	1.26	48700		3.37E+06	206.00000
2-Methylnaphthalene	12.99	S	E	1.0004		0.9991		-1.0		3.91E+09	-	1.17	45900		3.41E+04	2.01000
Acenaphthylene	15.97		E	1.0006		1.0000		-0.6		5.39E+08	-	0.96	6800		1.36E+05	8.72000
Acenaphthene	16.53		E	1.0005		1.0005		0		1.07E+08	-	1.28	1460		1.33E+05	9.12000
Fluorene	18.12		E	1.0005		1.0005		0		5.51E+08	-	1.04	7330		3.54E+04	2.13000
Phenanthrene	20.84		E	1.0004		1.0000		-0.5		2.81E+09	-	1.18	19400		3.15E+04	1.01000
Anthracene	20.99		E	1.0000		1.0000		0		9.21E+07	-	1.24	809		3.15E+04	1.23000
Fluoranthene	23.98		E	1.0000		1.0000		0		7.91E+07	-	0.95	560		3.90E+04	1.27000
Pyrene	24.56			1.0000		1.0000		0		3.84E+07	-	1.02	259		3.90E+04	1.22000
Benzo (a) Anthracene	27.65			1.0000		1.0000		0		4.16E+05	-	1.16	4.17		1.98E+04	0.99400
Chrysene	27.76			1.0003		1.0003		0		8.76E+05	-	1.18	7.72		1.98E+04	0.98700
Benzo (b) Fluoranthene	31.31			1.0000		1.0000		0		3.85E+05	-	1.08	5.7		1.24E+04	1.49000
Benzo (k) Fluoranthene	31.44		J	1.0003		1.0008		+0.9		1.04E+05	-	0.94	1.69		1.24E+04	1.83000
Benzo (e) Pyrene	32.47			1.0000		1.0000		0		5.00E+05	-	1.18	6.91		1.24E+04	1.60000
Benzo (a) Pyrene	32.71		J B	0.9997		0.9997		0		1.55E+05	-	1.15	2.76		1.24E+04	2.30000
Perylene	-			1.0039		0.0000				0.00E+00	-	1.22	ND		1.24E+04	2.11000
Indeno (1,2,3-cd) Pyrene	-			1.0004		0.0000				0.00E+00	-	1.05	ND		8.59E+03	3.34000
Dibenzo (a,h) Anthracene	-			1.0007		0.0000				0.00E+00	-	1.14	ND		7.91E+03	2.93000
Benzo (ghi) Perylene	40.90		B	1.0006		1.0006		0		3.38E+05	-	1.09	6.3		8.59E+03	2.45000

Datafile: 240930V25

Client ID: Test #1 Mill off

Wt/Vol: 1.00 Train

Cal: BCS3_21458_PAH_VBC

Acquired: 01 Oct 2024 09:28:36

Lab ID: B9847_21458_PAH_005-D10

J Level: 4 ng/Train

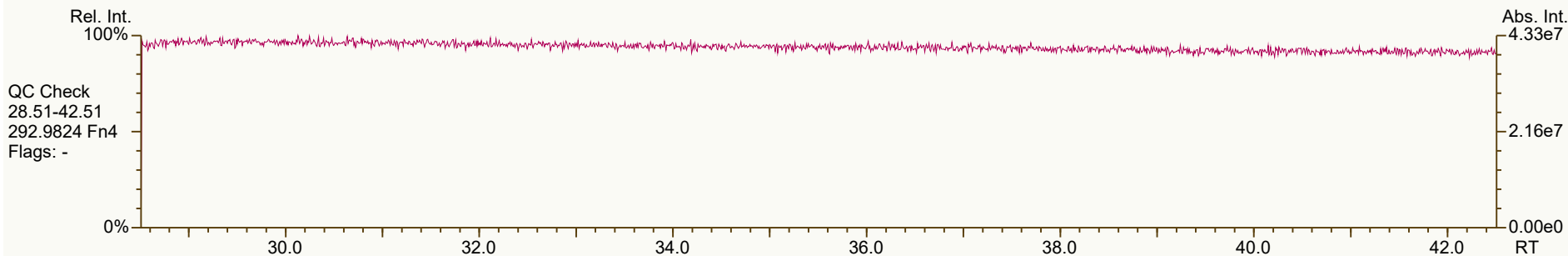
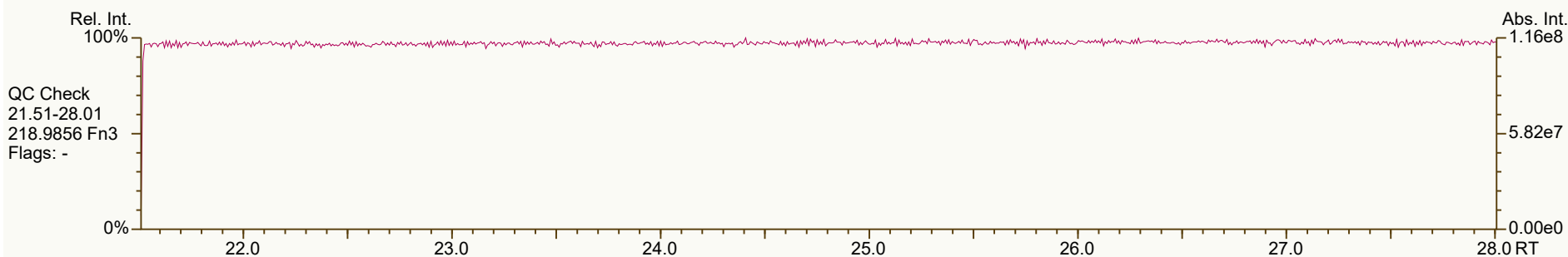
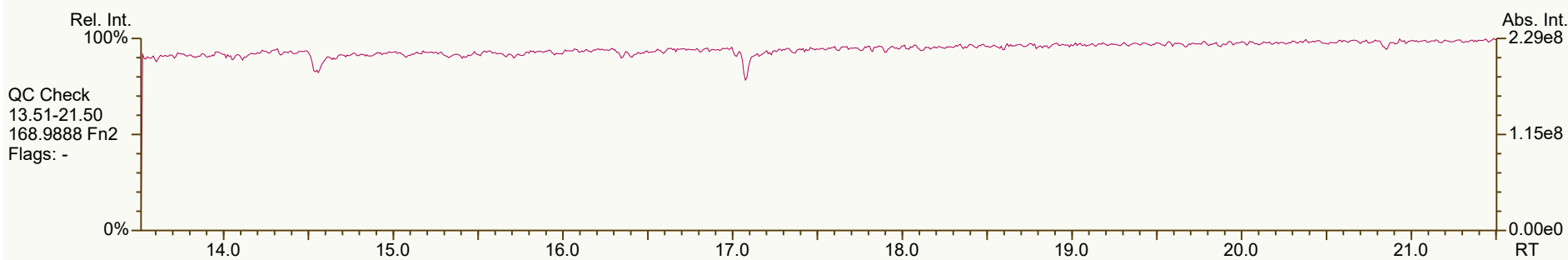
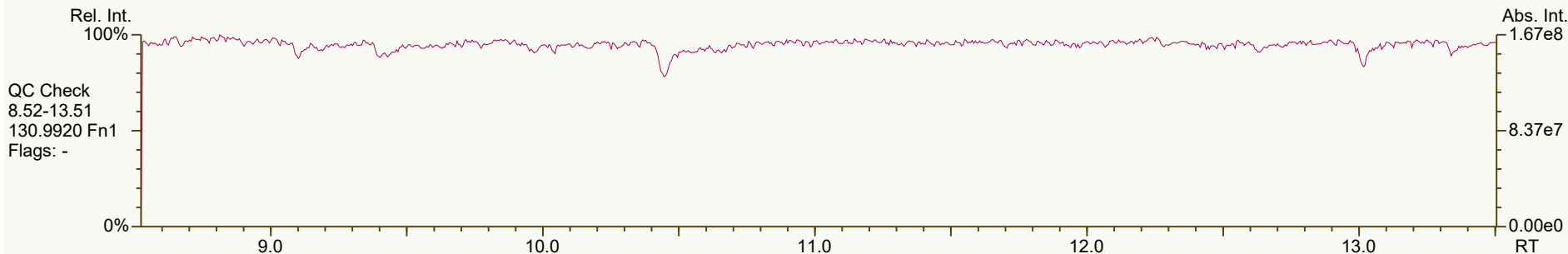
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS	Checkcode: 222-292-QTW				
Largest +ve RT shift (secs)			0.9	2.3					
Largest -ve RT shift (secs)			-1.3	-0.6					
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Recv.
13C6-Naphthalene	10.45		0.8088	0.8101	+1.0	4.47E+06	-	1.59	57.2
13C6-2-Methylnaphthalene	13.01		1.0086	1.0086	0	2.90E+06	-	1.10	53.7
13C6-Acenaphthylene	15.97		0.9717	0.9723	+0.6	3.29E+06	-	1.52	43
13C6-Acenaphthene	16.52		1.0060	1.0060	0	2.30E+06	-	0.96	47.5
13C6-Fluorene	18.11		1.1028	1.1027	-0.1	2.90E+06	-	1.28	45.1
13C6-Phenanthrene	20.84		1.2693	1.2690	-0.3	4.92E+06	-	1.84	53.1
13C6-Anthracene	20.99		1.2780	1.2777	-0.3	3.66E+06	-	1.70	42.9
13C6-Fluoranthene	23.98		0.9785	0.9782	-0.4	5.98E+06	-	1.23	70.8
13C3-Pyrene	24.56		1.0023	1.0020	-0.4	5.79E+06	-	1.19	70.7
13C6-Benzo (a) Anthracene	27.65		1.1284	1.1280	-0.6	3.43E+06	-	0.83	60.3
13C6-Chrysene	27.75		1.1326	1.1322	-0.6	3.86E+06	-	0.91	61.9
13C6-Benzo (b) Fluoranthene	31.31		0.9602	0.9607	+1.0	2.50E+06	-	1.35	92.8
13C6-Benzo (k) Fluoranthene	31.41		0.9636	0.9638	+0.4	2.63E+06	-	1.48	88.7
13C4-Benzo (e) Pyrene	32.47		0.9961	0.9964	+0.6	2.45E+06	-	1.28	95.8
13C4-Benzo (a) Pyrene	32.72		1.0036	1.0039	+0.6	1.95E+06	-	1.15	84.7
dl2-Perylene	32.97		1.0112	1.0117	+1.0	1.65E+06	-	0.91	90.5
13C6-Indeno (1,2,3-cd) Pyrene	39.03		1.1968	1.1976	+1.6	1.49E+06	-	0.98	76.5
13C6-Dibenzo (ah) Anthracene	39.25		1.2031	1.2043	+2.3	1.50E+06	-	0.96	77.7
13C12-Benzo (ghi) Perylene	40.88		1.2539	1.2543	+0.8	1.97E+06	-	1.16	85.5
AS--Anthracene (FS)	20.93	V	1.2748	1.2744	-0.4	2.65E+06	-	1.26	42
SS-Fluorene	18.03		0.9956	0.9956	0	2.75E+06	-	0.91	104
SS-Terphenyl	24.93		1.0396	1.0396	0	4.07E+06	-	0.82	83.2
JS-Methylnaphthalene	12.89		-	-	-	4.90E+06	-	-	-
JS-Acenaphthene	16.42		-	-	-	5.02E+06	-	-	-
JS-Pyrene	24.51		-	-	-	6.87E+06	-	-	-
JS-Benzo (a) Pyrene	32.59		-	-	-	2.00E+06	-	-	-

SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



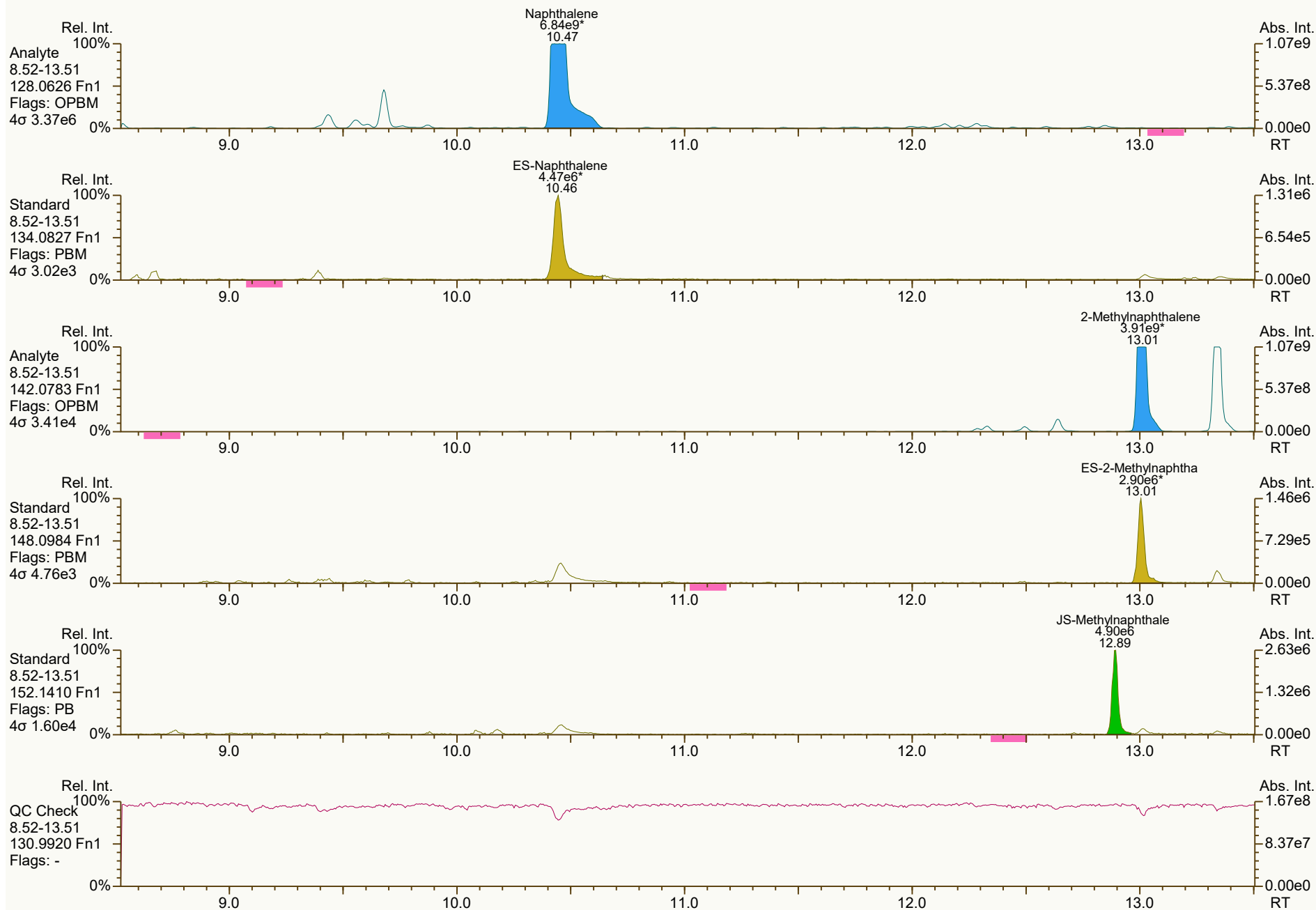
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_005-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 222-292

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:13 Page 1 of 9

SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_005-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3451, 7178, 6912, 0402, 3610 scc: 222-292

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:49 (DTF) Printed: 02-Oct-2024 11:13 Page 2 of 9

SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



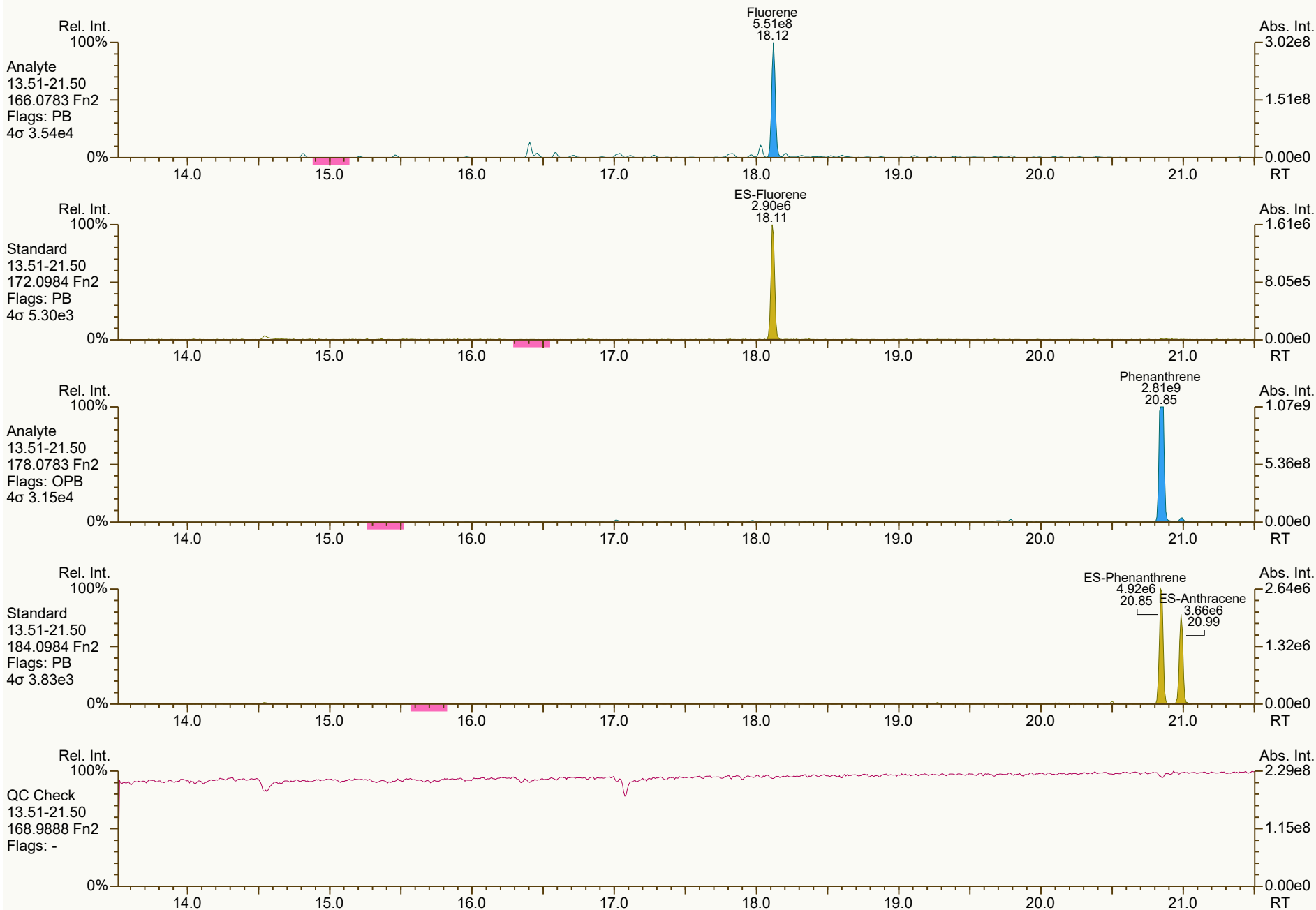
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_005-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7150, 0412, 4047, 3714, 4645 scc: 222-292

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:49 Printed: 02-Oct-2024 11:13 Page 3 of 9

SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



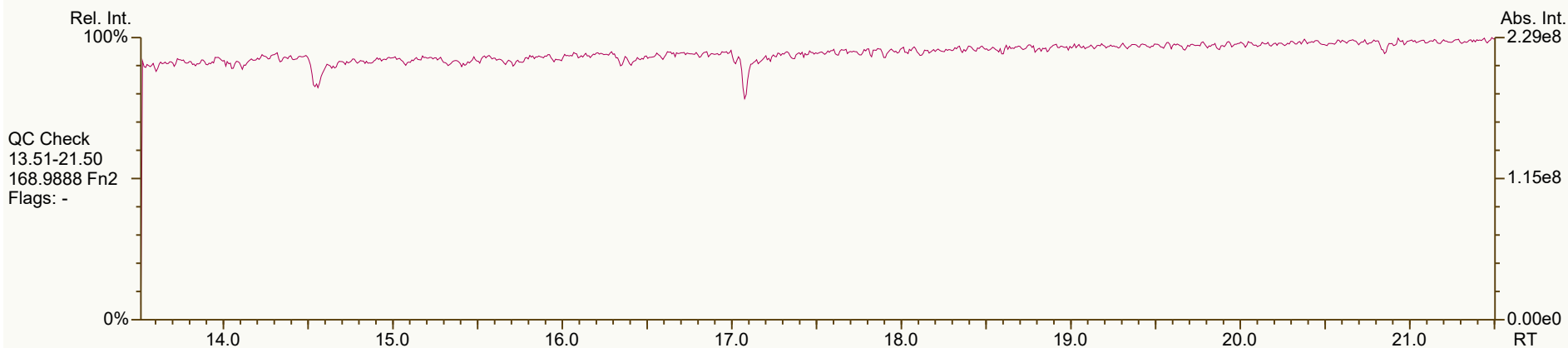
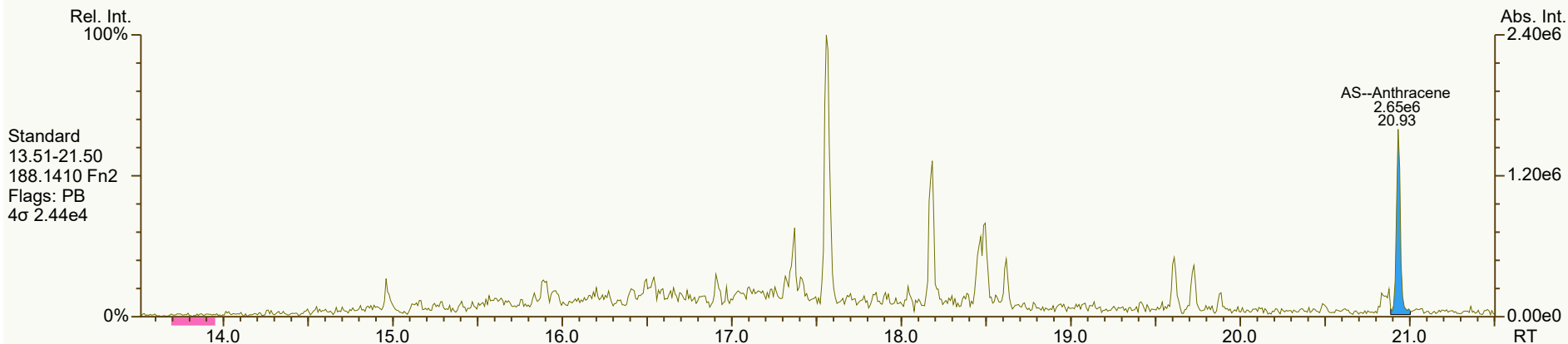
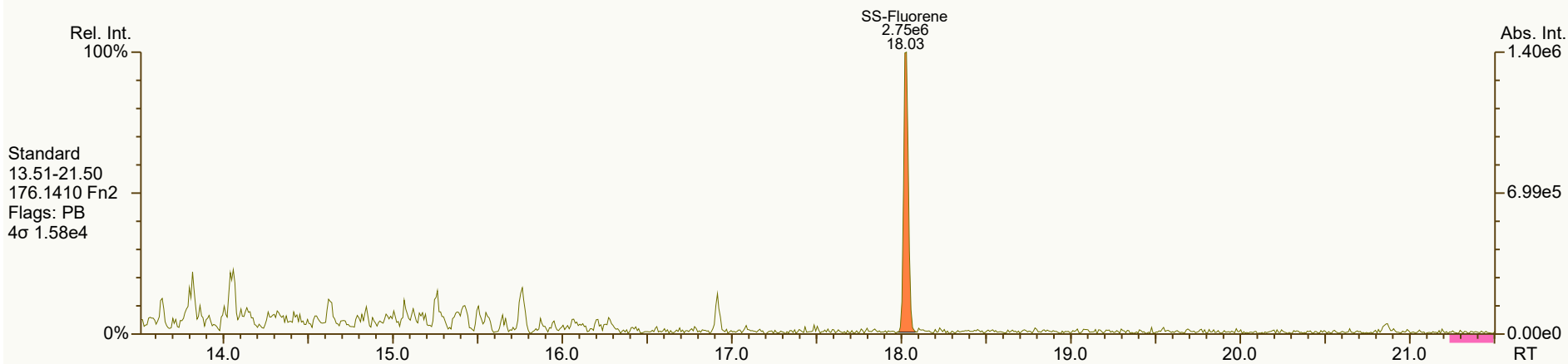
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_005-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3659, 5311, 2969, 3723 scc: 222-292

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:49 Printed: 02-Oct-2024 11:13 Page 4 of 9

SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

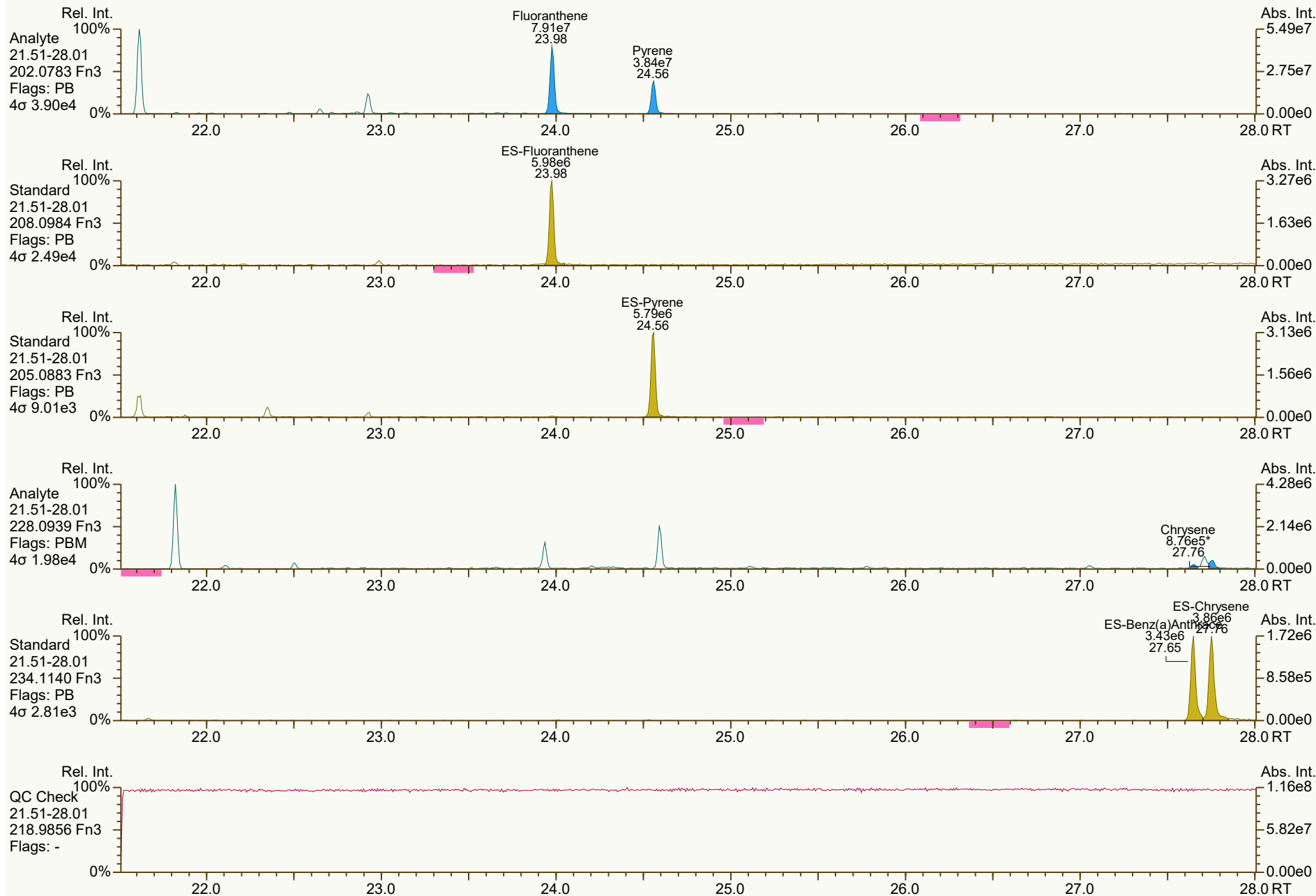
Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



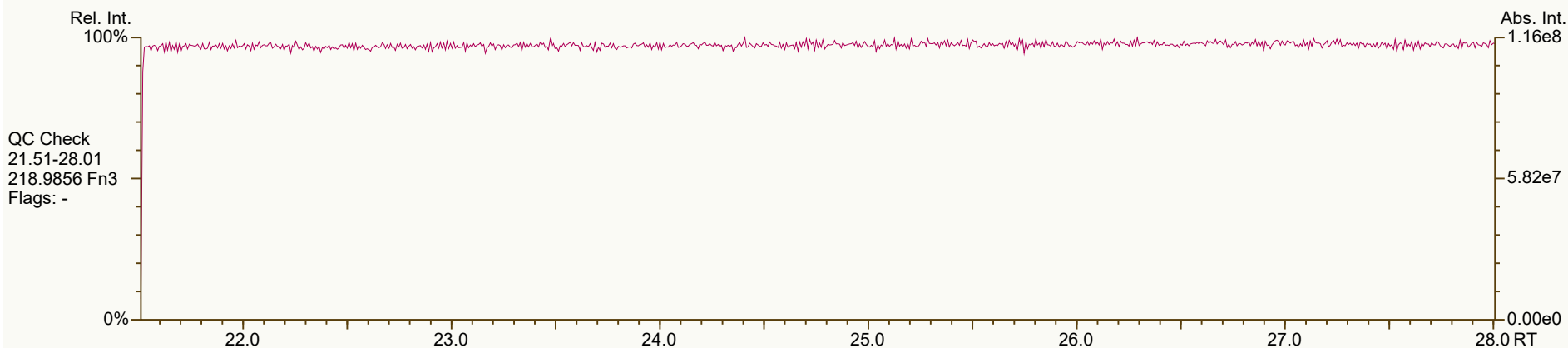
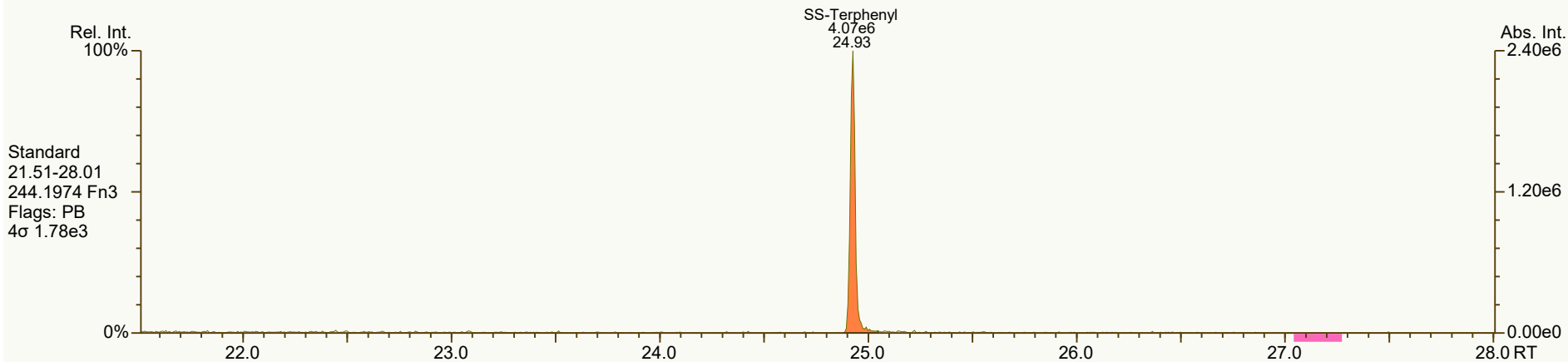
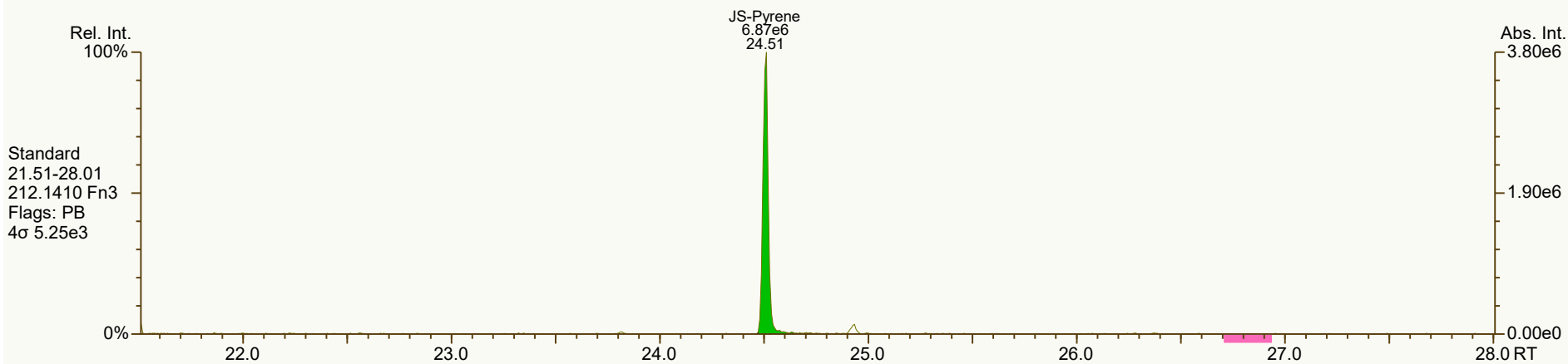
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_005-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6026, 4873, 2973, 5180, 7683 scc: 222-292

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:50 (DTF) Printed: 02-Oct-2024 11:13 Page 6 of 9

SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

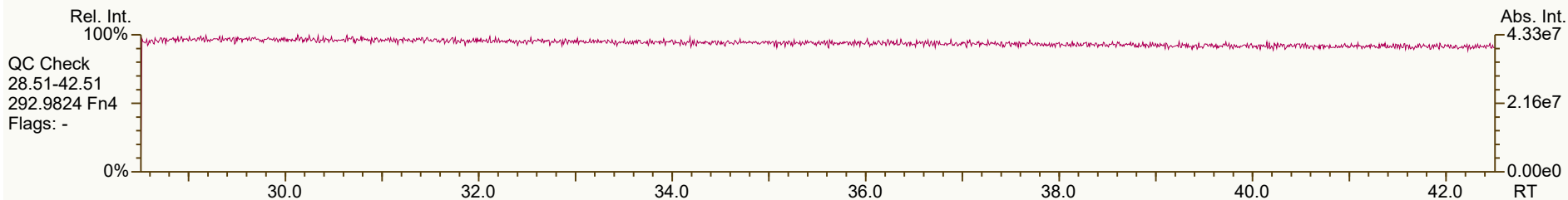
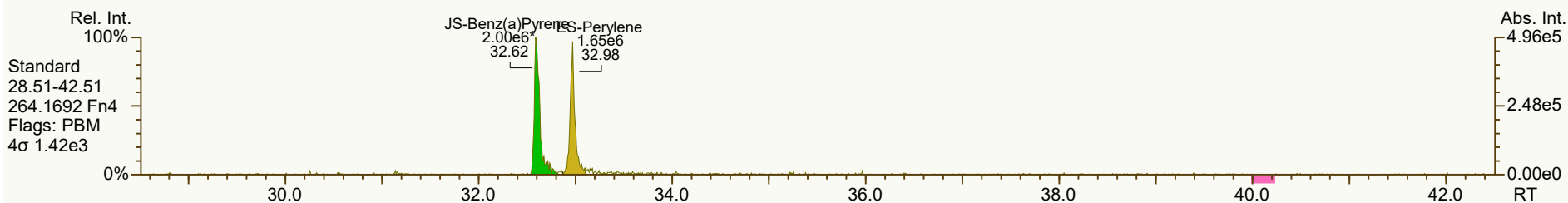
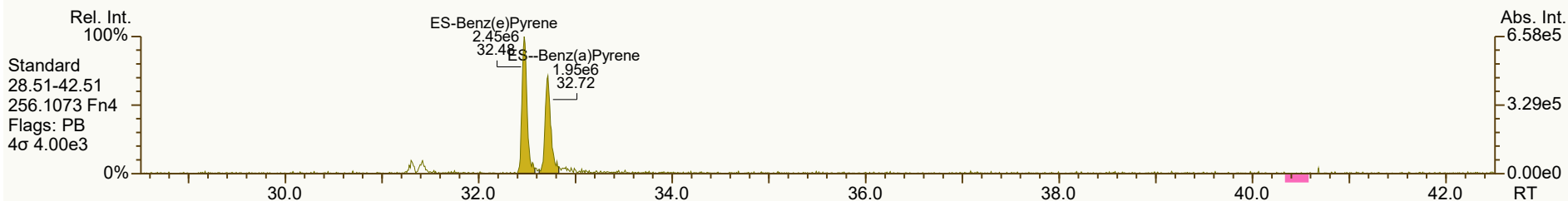
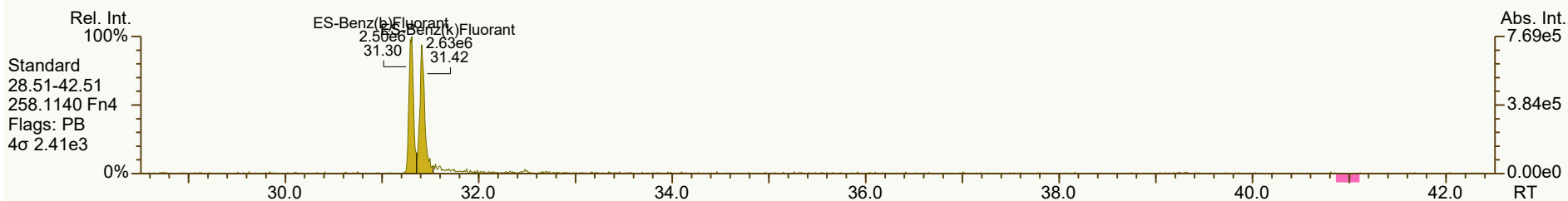
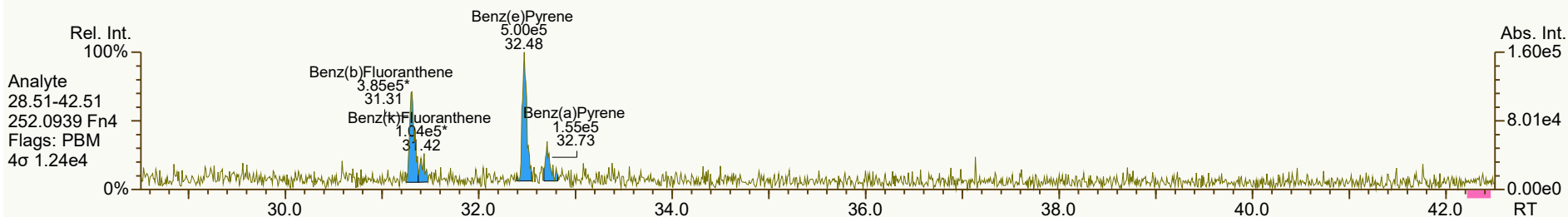
Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_005-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9115, 8253, 4248, 2865 scc: 222-292

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:50 (DTF) Printed: 02-Oct-2024 11:14 Page 8 of 9

SGS ID: B9847_21458_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 21

Acq: 01-Oct-2024 09:28:36
User: DTF Datafile: 240930V25



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_005-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5812, 9177, 9920, 0476, 4787 scc: 222-292

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:49 (DTF) Printed: 02-Oct-2024 11:14 Page 9 of 9

Datafile: 240930V26
Acquired: 01 Oct 2024 10:15:16

Client ID: Test #2 Mill off
Lab ID: B9847_21458_PAH_006-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

Checkcode: 158-302-SRS

Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)	1.2	1.8
Largest -ve RT shift (secs)	-2.0	-1.0

Name	Actual			Pred	Actual	Diff	Conc						
	RT		QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL	
Naphthalene	10.42	S	E	1.0005	0.9995	-0.6	5.87E+09	-	1.26	65100	1.97E+06	167.00000	
2-Methylnaphthalene	12.99	S	E	1.0004	0.9996	-0.6	3.27E+09	-	1.17	65800	3.96E+04	3.86000	
Acenaphthylene	15.96		E	1.0006	1.0006	0	3.17E+08	-	0.96	7020	1.14E+05	11.90000	
Acenaphthene	16.52		E	1.0005	1.0000	-0.5	6.60E+07	-	1.28	1660	1.11E+05	13.60000	
Fluorene	18.11		E	1.0005	1.0000	-0.5	3.62E+08	-	1.04	8430	3.09E+04	3.04000	
Phenanthrene	20.84		E	1.0004	1.0000	-0.5	2.48E+09	-	1.18	26600	3.94E+04	1.88000	
Anthracene	20.98		E	1.0000	1.0004	+0.5	6.86E+07	-	1.24	930	3.94E+04	2.36000	
Fluoranthene	23.96		E	1.0000	1.0000	0	6.64E+07	-	0.95	771	3.85E+04	1.95000	
Pyrene	24.55			1.0000	1.0000	0	3.12E+07	-	1.02	342	3.85E+04	1.97000	
Benzo (a) Anthracene	27.64			1.0000	1.0000	0	3.94E+05	-	1.16	5.94	2.15E+04	1.75000	
Chrysene	27.75			1.0003	1.0000	-0.5	8.75E+05	-	1.18	12.5	2.15E+04	1.97000	
Benzo (b) Fluoranthene	31.31			1.0000	1.0005	+0.9	9.50E+05	-	1.08	22.4	1.05E+04	2.05000	
Benzo (k) Fluoranthene	31.39			1.0003	0.9997	-1.1	2.91E+05	-	0.94	6.61	1.05E+04	2.14000	
Benzo (e) Pyrene	32.46			1.0000	1.0000	0	3.72E+06	-	1.18	78.4	1.05E+04	1.97000	
Benzo (a) Pyrene	32.71			0.9997	1.0003	+1.2	1.97E+05	-	1.15	5.8	1.05E+04	2.71000	
Perylene	-			1.0039	0.0000		0.00E+00	-	1.22	ND	1.05E+04	3.01000	
Indeno (1,2,3-cd) Pyrene	39.03			1.0004	1.0004	0	6.97E+05	-	1.05	24.6	6.68E+03	3.91000	
Dibenzo (a,h) Anthracene	-			1.0007	0.0000		0.00E+00	-	1.14	ND	6.76E+03	4.16000	
Benzo (ghi) Perylene	40.89			1.0006	0.9998	-2.0	4.70E+06	-	1.09	129	6.68E+03	2.97000	

Datafile: 240930V26
Acquired: 01 Oct 2024 10:15:16

Client ID: Test #2 Mill off
Lab ID: B9847_21458_PAH_006-D10

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

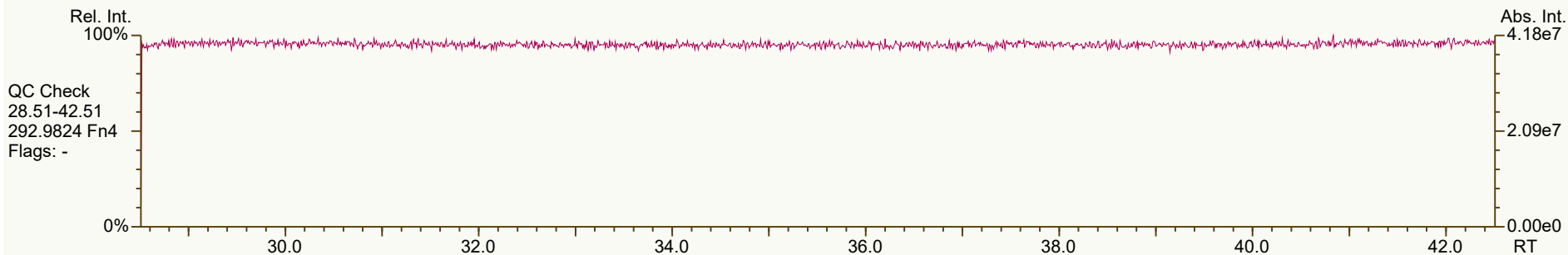
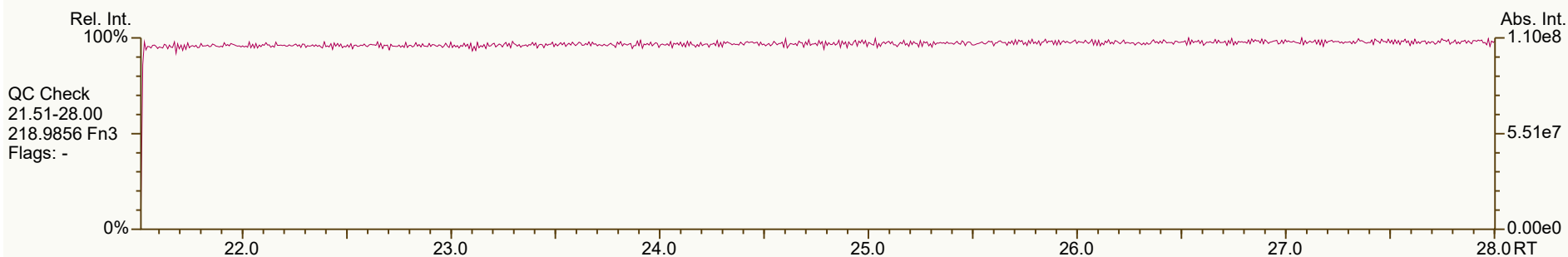
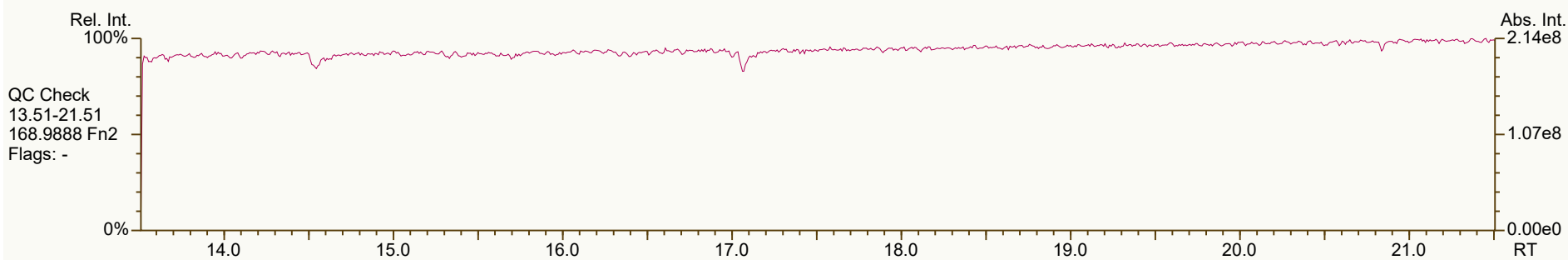
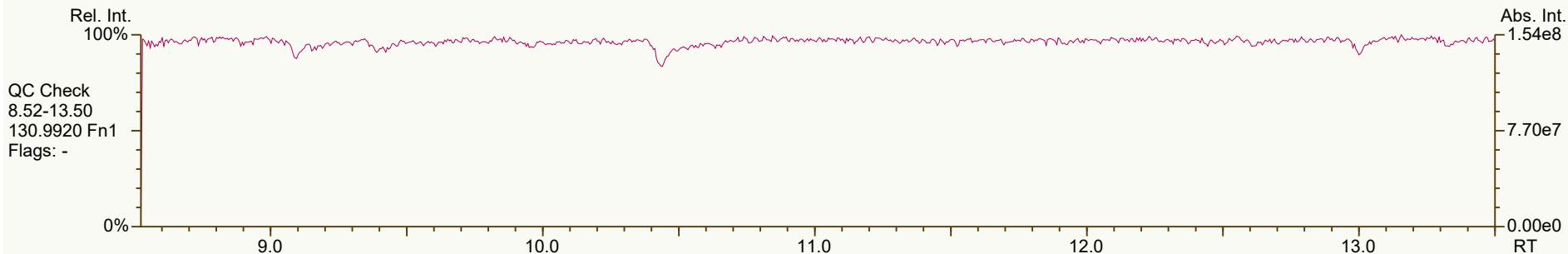
Cal: BCS3_21458_PAH_VBC
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS	Checkcode: 158-302-SRS				
Largest +ve RT shift (secs)			1.2	1.8					
Largest -ve RT shift (secs)			-2.0	-1.0					
Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.
	RT	QC	RRT	RRT	Secs				
13C6-Naphthalene	10.43		0.8088	0.8098	+0.8	2.87E+06	-	1.59	65.8
13C6-2-Methylnaphthalene	13.00		1.0086	1.0091	+0.4	1.70E+06	-	1.10	56.1
13C6-Acenaphthylene	15.96		0.9717	0.9723	+0.6	1.88E+06	-	1.52	41.5
13C6-Acenaphthene	16.52		1.0060	1.0065	+0.5	1.24E+06	-	0.96	43.4
13C6-Fluorene	18.11		1.1028	1.1033	+0.5	1.66E+06	-	1.28	43.6
13C6-Phenanthrene	20.84		1.2693	1.2698	+0.5	3.17E+06	-	1.84	57.9
13C6-Anthracene	20.97		1.2780	1.2779	-0.1	2.38E+06	-	1.70	47
13C6-Fluoranthene	23.96		0.9785	0.9782	-0.4	3.64E+06	-	1.23	60.3
13C3-Pyrene	24.55		1.0023	1.0020	-0.4	3.56E+06	-	1.19	60.8
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1280	-0.6	2.28E+06	-	0.83	56.1
13C6-Chrysene	27.75		1.1326	1.1326	0	2.38E+06	-	0.91	53.4
13C6-Benzo (b) Fluoranthene	31.29		0.9602	0.9599	-0.6	1.57E+06	-	1.35	72
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9633	-0.6	1.88E+06	-	1.48	78.7
13C4-Benzo (e) Pyrene	32.46		0.9961	0.9958	-0.6	1.61E+06	-	1.28	78
13C4-Benzo (a) Pyrene	32.70		1.0036	1.0031	-1.0	1.18E+06	-	1.15	63.5
dl2-Perylene	32.96		1.0112	1.0112	0	1.02E+06	-	0.91	69.6
13C6-Indeno (1,2,3-cd) Pyrene	39.01		1.1968	1.1967	-0.2	1.08E+06	-	0.98	68.8
13C6-Dibenzo (ah) Anthracene	39.25		1.2031	1.2040	+1.8	9.22E+05	-	0.96	59.3
13C12-Benzo (ghi) Perylene	40.89		1.2539	1.2545	+1.2	1.34E+06	-	1.16	71.7
AS--Anthracene (FS)	20.92	V	1.2748	1.2747	-0.1	1.73E+06	-	1.26	46.3
SS-Fluorene	18.02		0.9956	0.9951	-0.5	1.44E+06	-	0.91	95.9
SS-Terphenyl	24.91		1.0396	1.0396	0	2.39E+06	-	0.82	80.1
JS-Methylnaphthalene	12.88		-	-	-	2.73E+06	-	-	-
JS-Acenaphthene	16.41		-	-	-	2.97E+06	-	-	-
JS-Pyrene	24.50		-	-	-	4.91E+06	-	-	-
JS-Benzo (a) Pyrene	32.60		-	-	-	1.61E+06	-	-	-

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



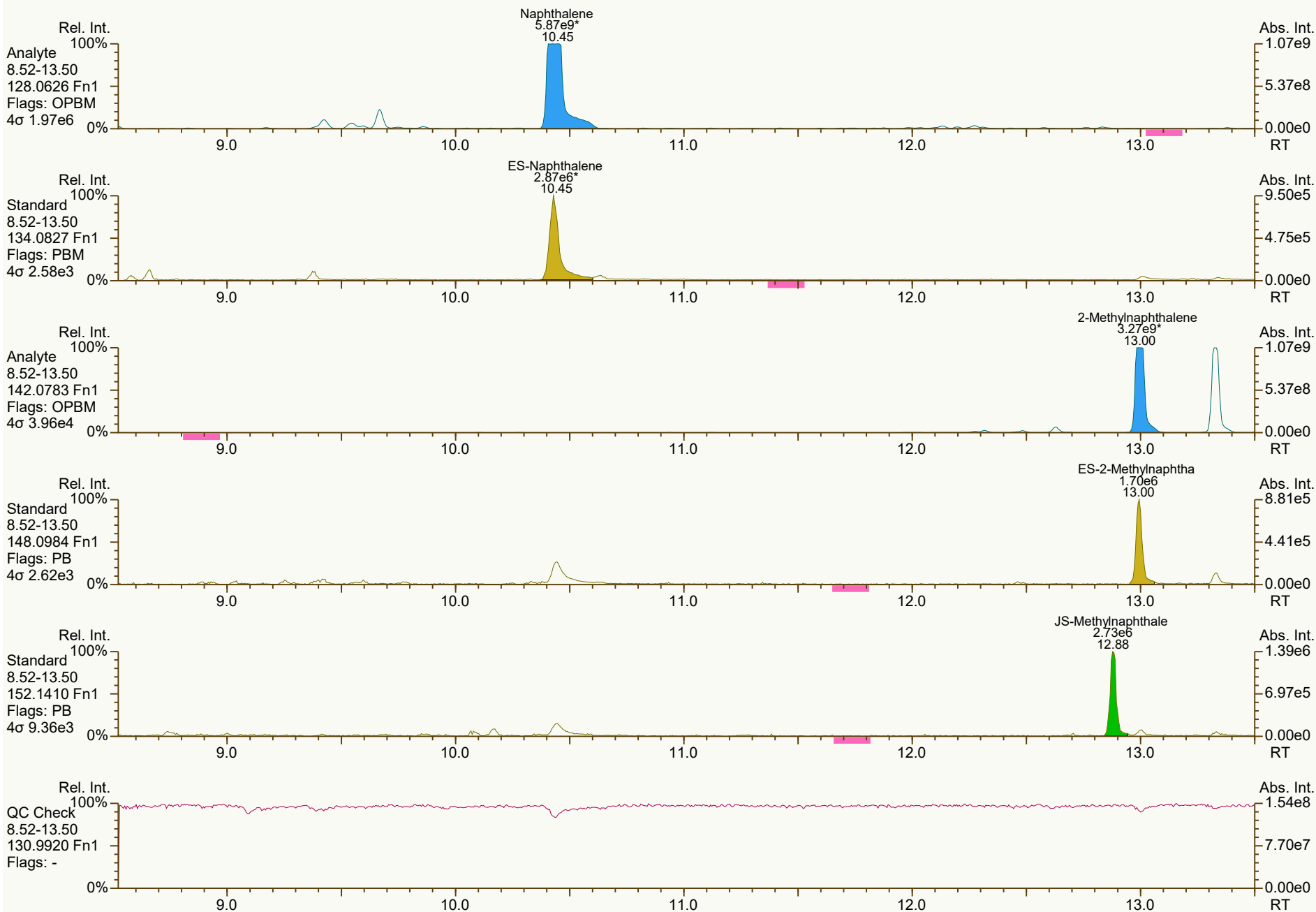
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 158-302

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:14 Page 1 of 9

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



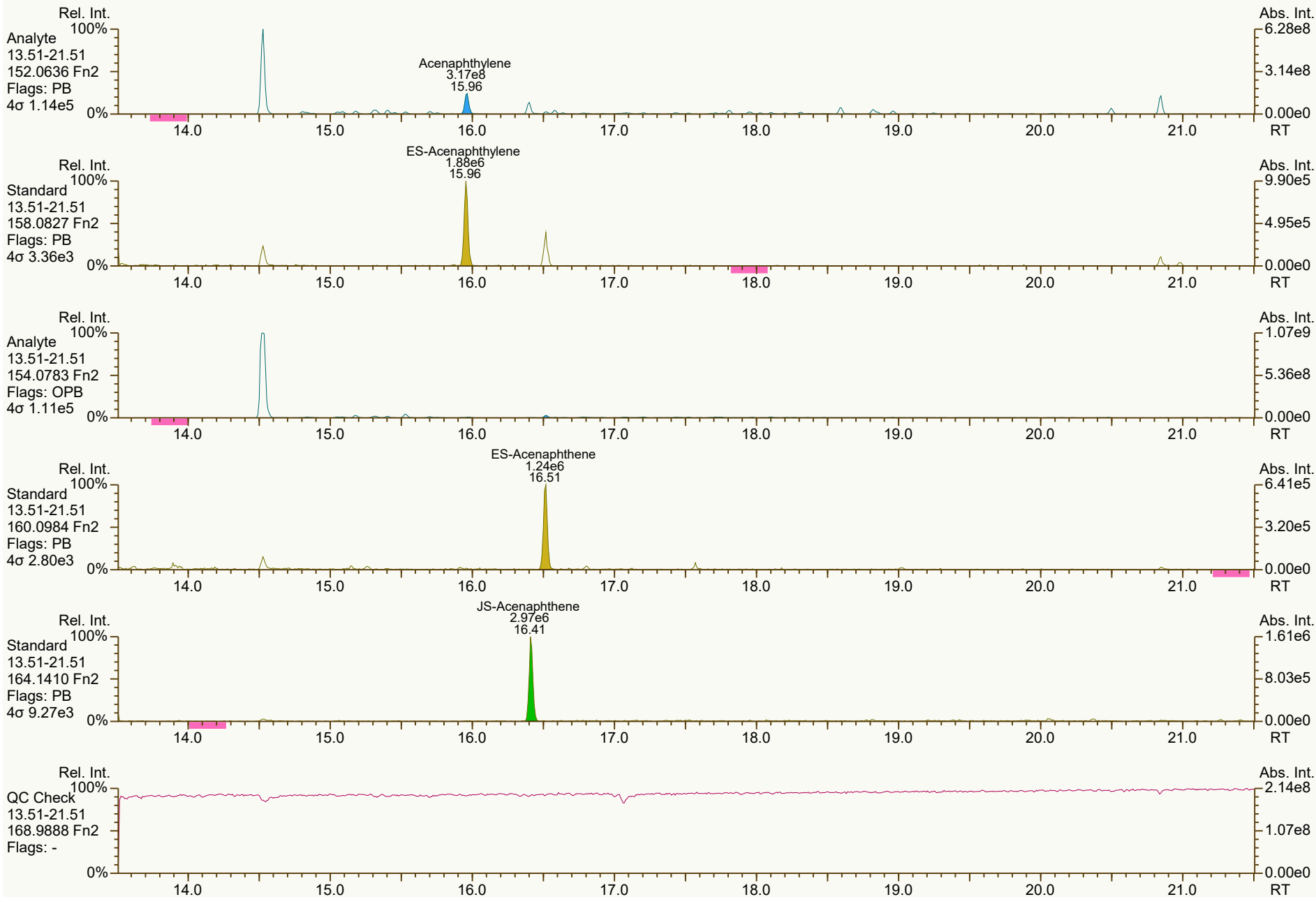
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7529, 2480, 8536, 4786, 7883 scc: 158-302

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:51 (DTF) Printed: 02-Oct-2024 11:14 Page 2 of 9

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



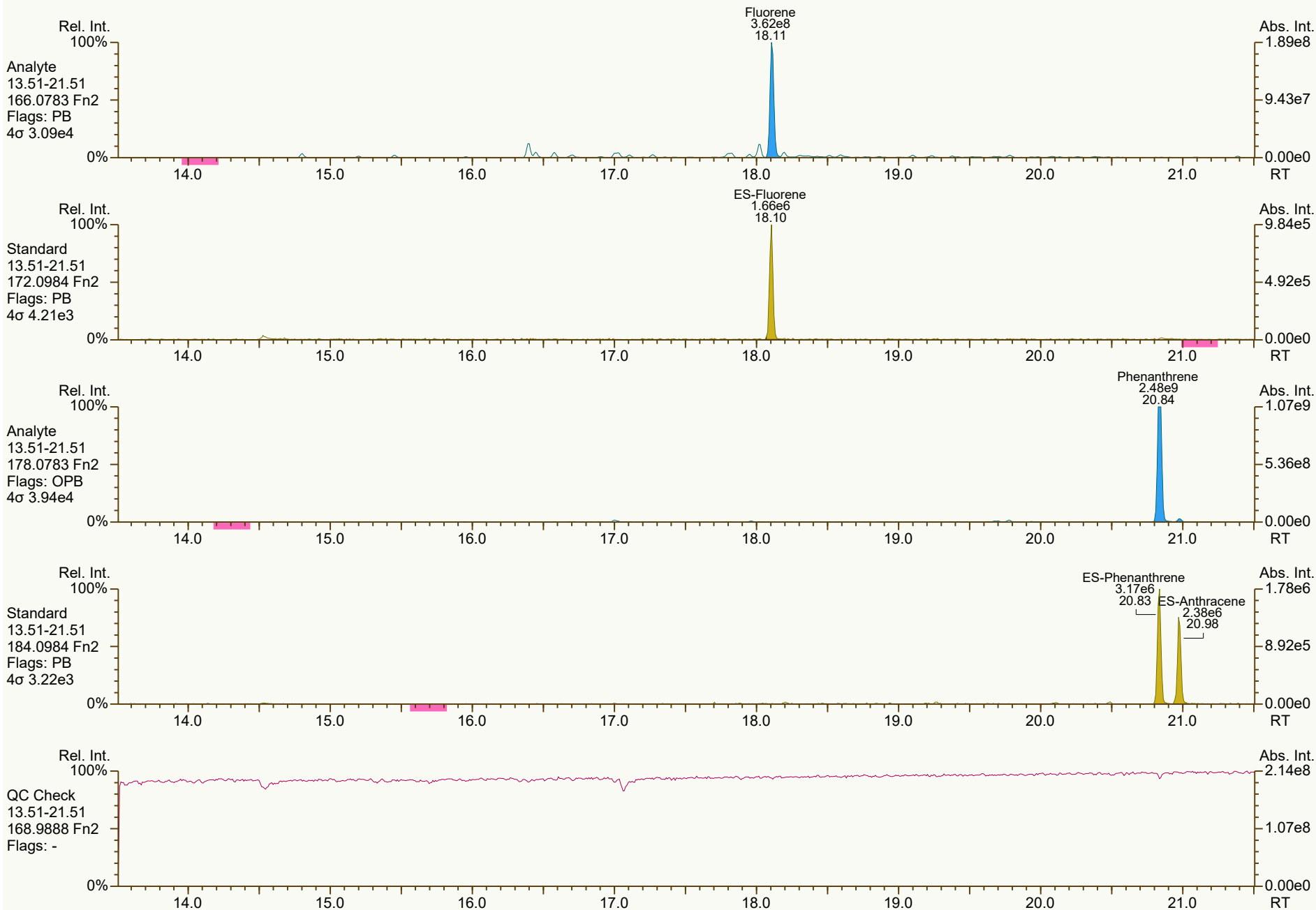
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0236, 6586, 1819, 7960, 1214 scc: 158-302

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:50 Printed: 02-Oct-2024 11:14 Page 3 of 9

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



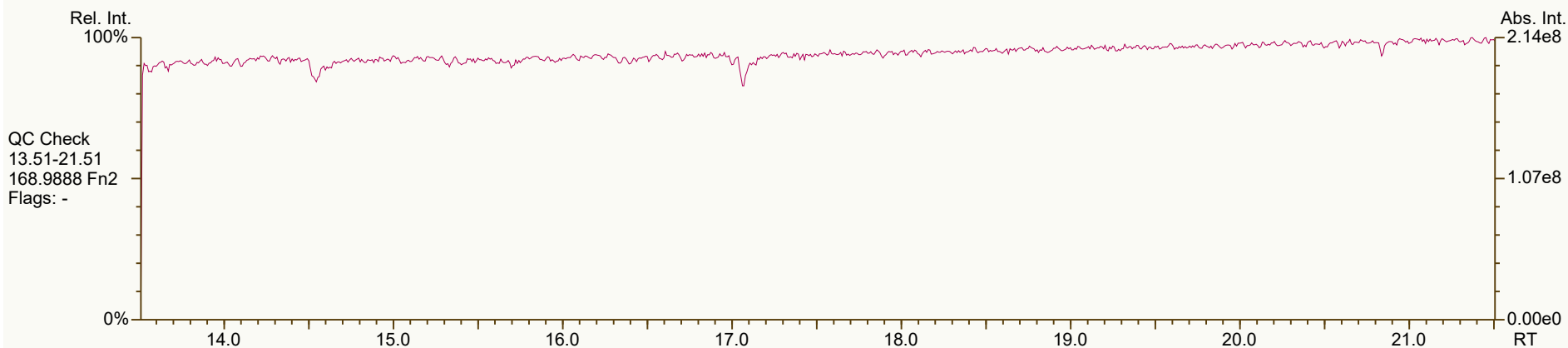
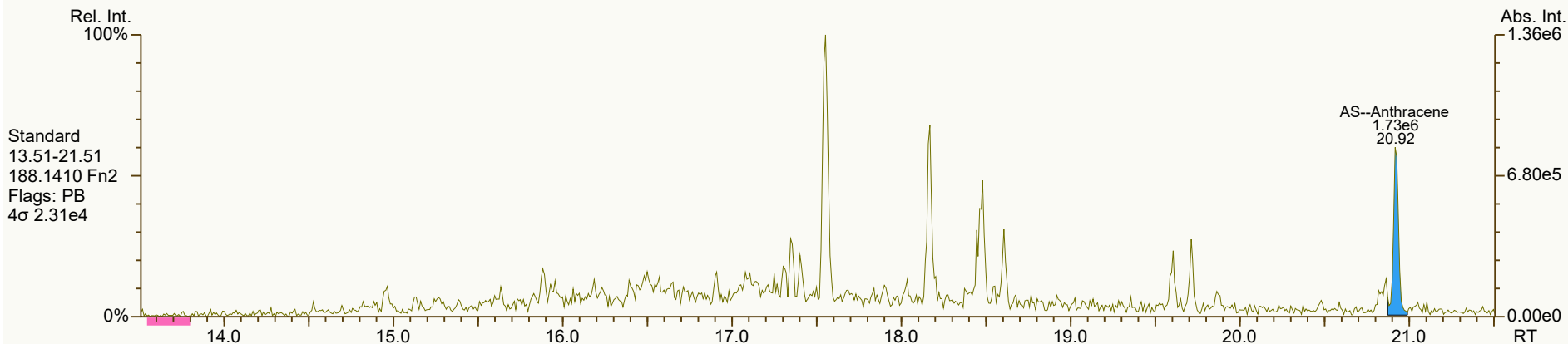
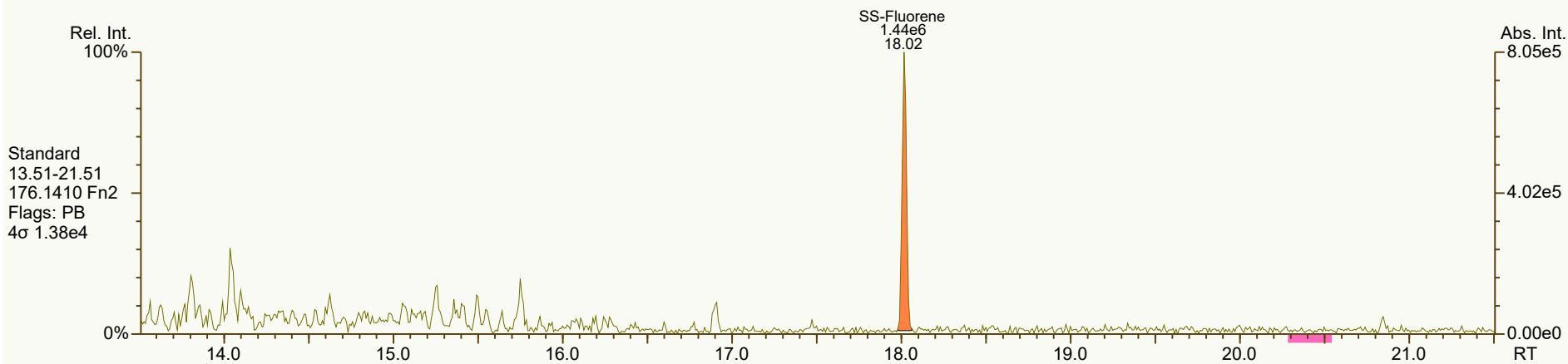
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3366, 9609, 2783, 4794 scc: 158-302

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:50 Printed: 02-Oct-2024 11:14 Page 4 of 9

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

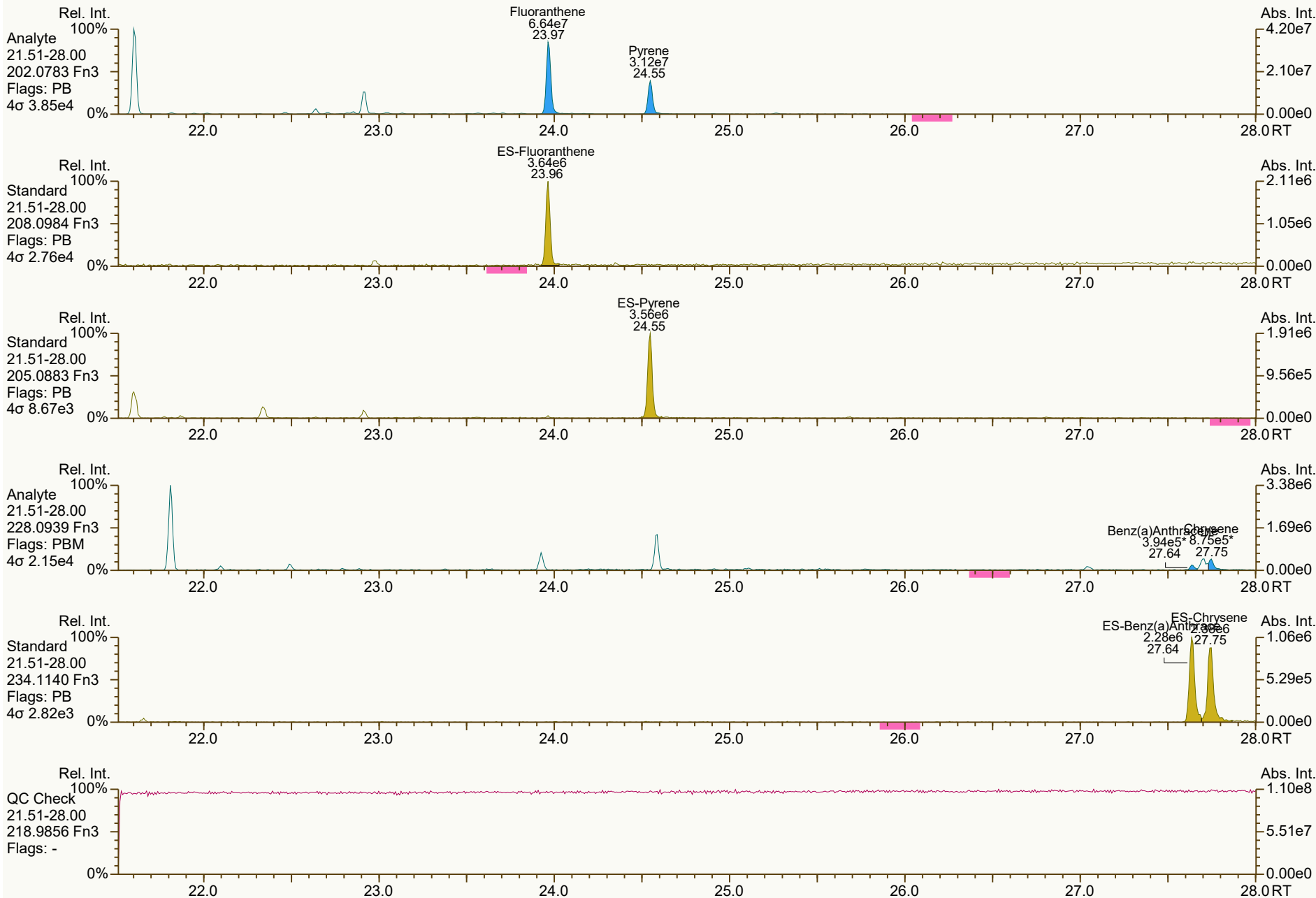
Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



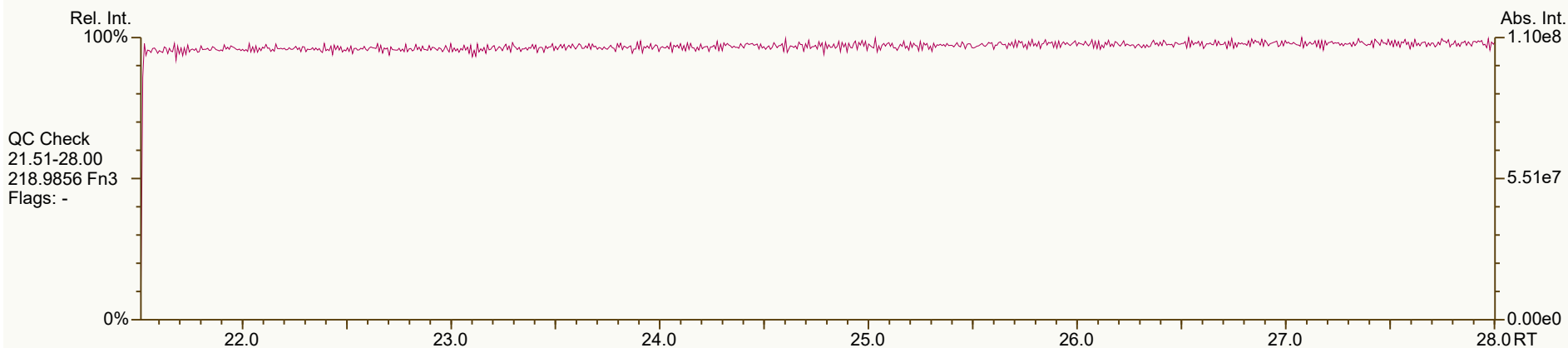
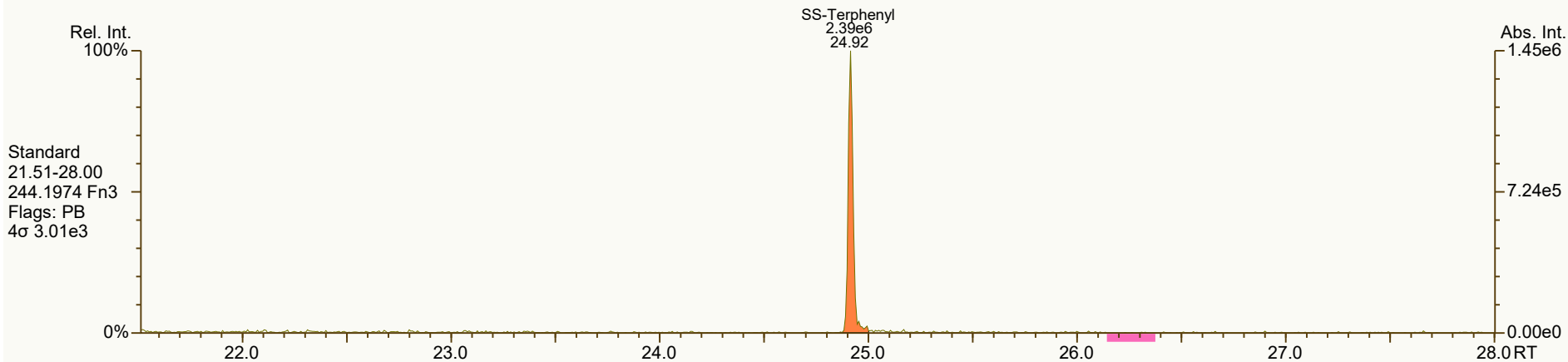
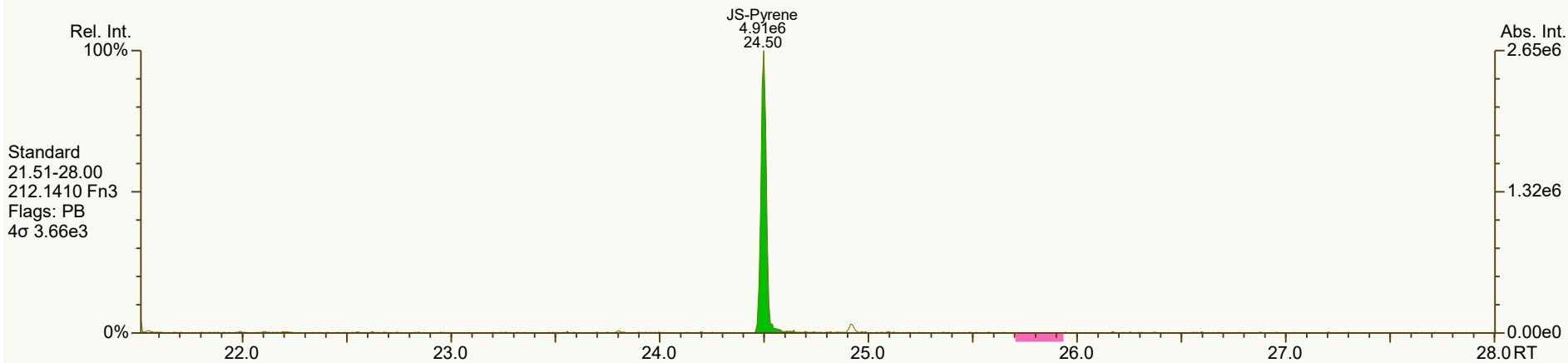
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0568, 3171, 4794, 1760, 6671 scc: 158-302

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:51 (DTF) Printed: 02-Oct-2024 11:14 Page 6 of 9

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



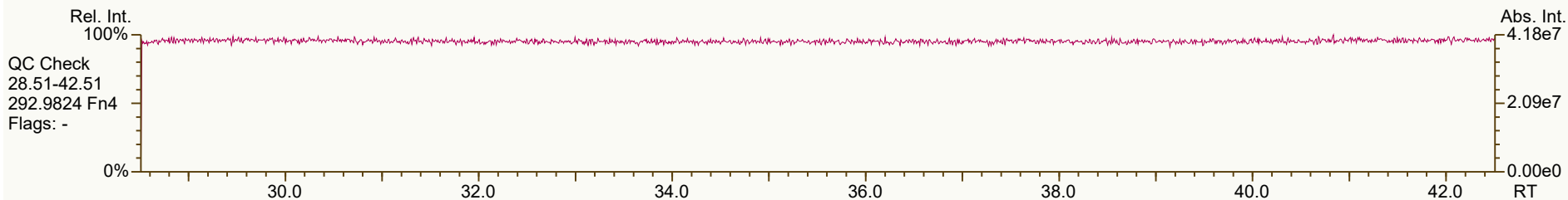
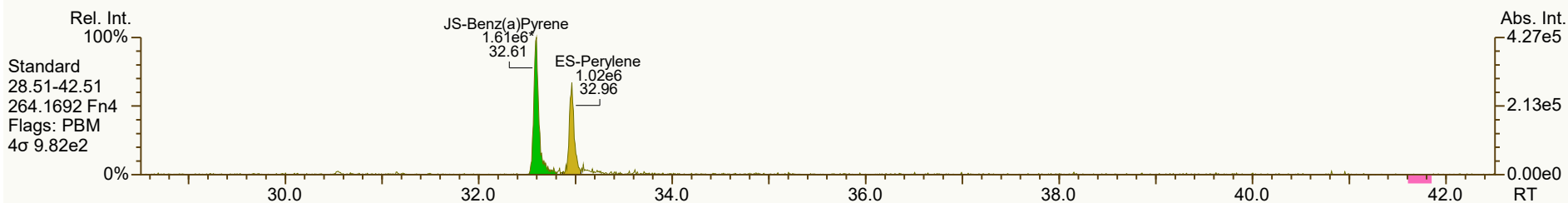
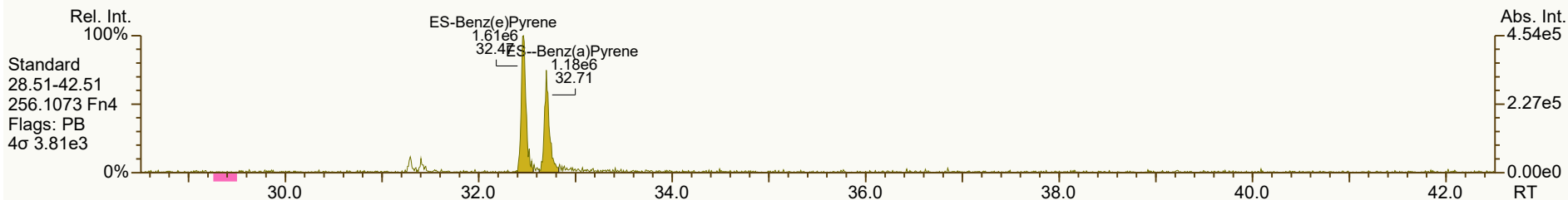
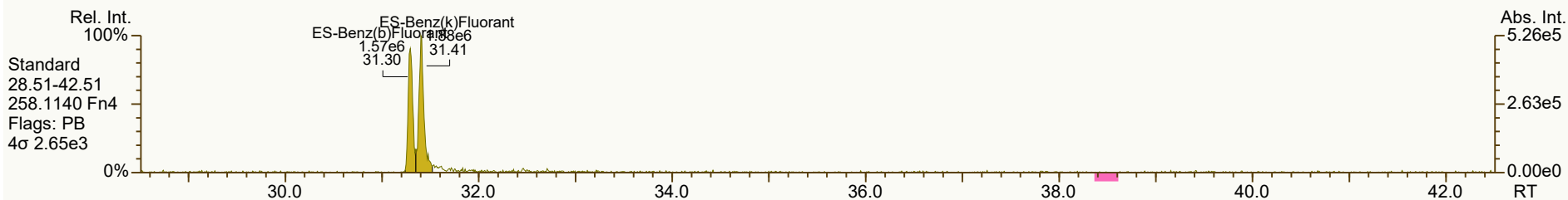
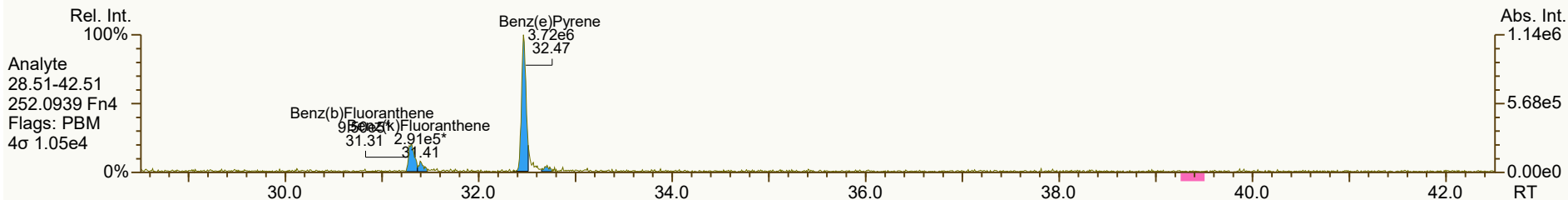
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5133, 2803 scc: 158-302

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:50 Printed: 02-Oct-2024 11:14 Page 7 of 9

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3685, 8026, 8270, 4424 scc: 158-302

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:51 (DTF) Printed: 02-Oct-2024 11:14 Page 8 of 9

SGS ID: B9847_21458_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 22

Acq: 01-Oct-2024 10:15:16
User: DTF Datafile: 240930V26



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_006-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3778, 5019, 0277, 3137, 3609 scc: 158-302

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:52 (DTF) Printed: 02-Oct-2024 11:14 Page 9 of 9

Datafile: 240930V27

Client ID: Test #3 Mill off

Wt/Vol: 1.00 Train

Cal: BCS3_21458_PAH_VBC

Acquired: 01 Oct 2024 11:01:56

Lab ID: B9847_21458_PAH_007-D10

J Level: 4 ng/Train

Nominal ES spike: 40 ng

		Stats		PAH Ax	ES/SS								Checkcode: 894-346-FSL
Largest +ve RT shift (secs)				1.0	1.5								
Largest -ve RT shift (secs)				-2.3	-0.8								
Name	Actual		QC	Pred	Actual	Diff	Response	Ra	Conc				DL
	RT			RRT	RRT	Secs			RRF	ng/Train	Noise		
Naphthalene	10.42	S	E	1.0005	0.9968	-2.3	8.04E+09	-	1.26	42800	3.65E+06	177.00000	
2-Methylnaphthalene	13.03	S	E	1.0004	1.0017	+1.0	4.36E+09	-	1.17	37800	3.87E+04	1.93000	
Acenaphthylene	15.97		E	1.0006	1.0006	0	6.44E+08	-	0.96	6440	1.88E+05	9.88000	
Acenaphthene	16.53		E	1.0005	1.0000	-0.5	1.17E+08	-	1.28	1310	2.29E+05	12.80000	
Fluorene	18.11		E	1.0005	1.0000	-0.5	3.17E+08	-	1.04	3330	4.71E+04	2.38000	
Phenanthrene	20.85		E	1.0004	1.0000	-0.5	1.94E+09	-	1.18	11100	3.72E+04	0.95200	
Anthracene	20.99			1.0000	1.0000	0	4.42E+07	-	1.24	304	3.72E+04	1.24000	
Fluoranthene	23.98			1.0000	1.0003	+0.4	3.96E+07	-	0.95	230	2.31E+04	0.60300	
Pyrene	24.55		B	1.0000	1.0000	0	2.39E+07	-	1.02	136	2.31E+04	0.59500	
Benzo (a) Anthracene	27.64		J	1.0000	1.0000	0	4.31E+05	-	1.16	3.01	2.93E+04	1.04000	
Chrysene	27.75			1.0003	1.0000	-0.5	1.24E+06	-	1.18	7.87	2.93E+04	1.15000	
Benzo (b) Fluoranthene	31.31			1.0000	1.0005	+0.9	7.44E+05	-	1.08	7.44	1.04E+04	0.85300	
Benzo (k) Fluoranthene	31.42		J	1.0003	1.0003	0	2.47E+05	-	0.94	2.5	1.04E+04	0.94000	
Benzo (e) Pyrene	32.47			1.0000	1.0000	0	1.73E+06	-	1.18	15.3	1.04E+04	0.79900	
Benzo (a) Pyrene	32.71		J	0.9997	1.0000	+0.6	2.78E+05	-	1.15	3.04	1.04E+04	1.18000	
Perylene	-			1.0039	0.0000		0.00E+00	-	1.22	ND	1.04E+04	1.23000	
Indeno (1,2,3-cd) Pyrene	39.04			1.0004	1.0004	0	4.31E+05	-	1.05	6.17	8.22E+03	1.75000	
Dibenzo (a,h) Anthracene	-			1.0007	0.0000		0.00E+00	-	1.14	ND	7.06E+03	1.71000	
Benzo (ghi) Perylene	40.87			1.0006	1.0002	-1.0	2.48E+06	-	1.09	26.9	8.22E+03	1.56000	

Datafile: 240930V27

Client ID: Test #3 Mill off

Wt/Vol: 1.00 Train

Cal: BCS3_21458_PAH_VBC

Acquired: 01 Oct 2024 11:01:56

Lab ID: B9847_21458_PAH_007-D10

J Level: 4 ng/Train

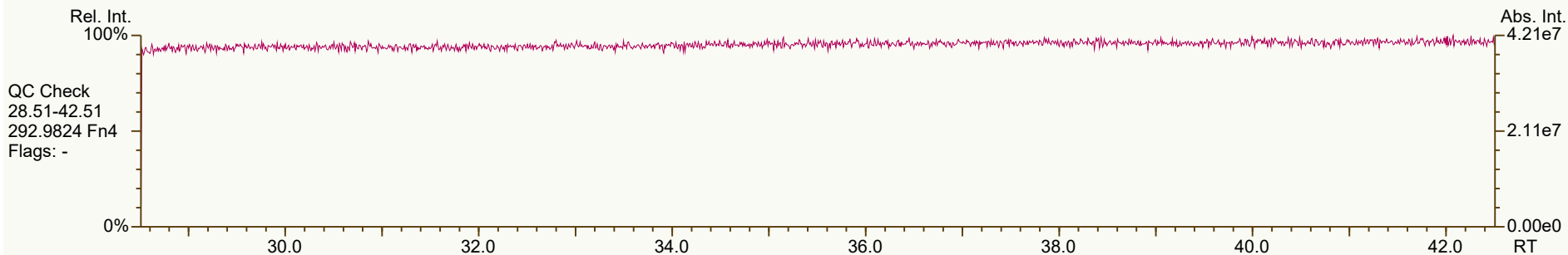
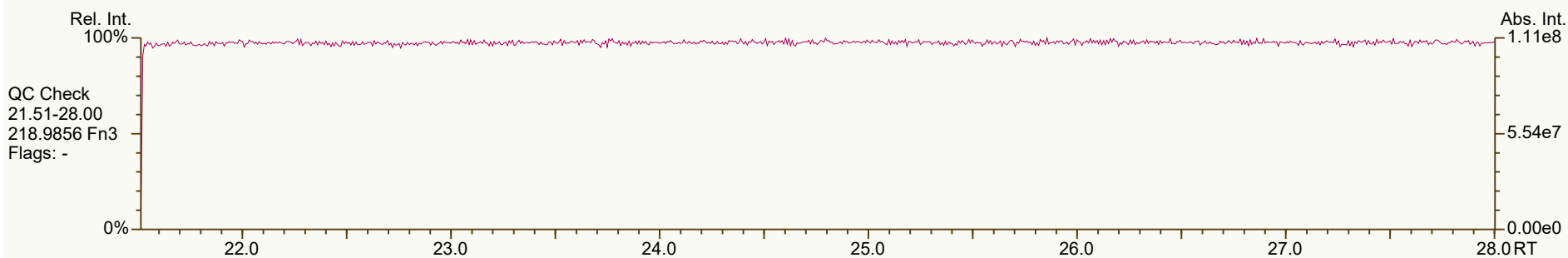
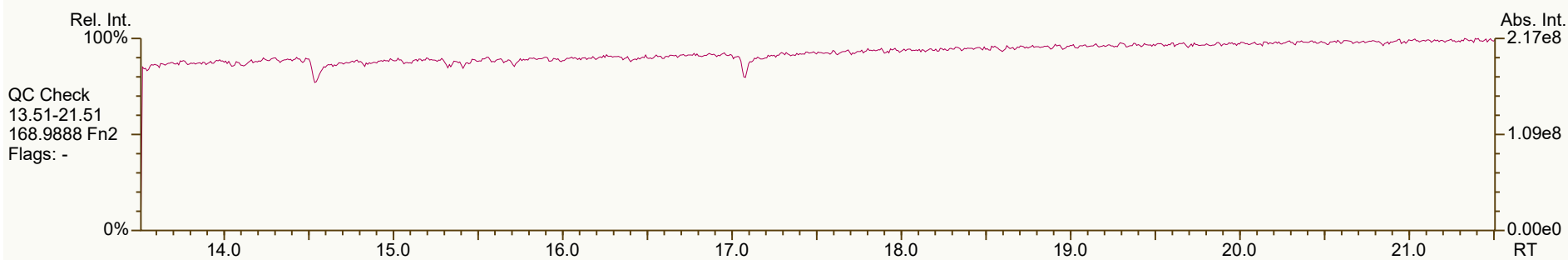
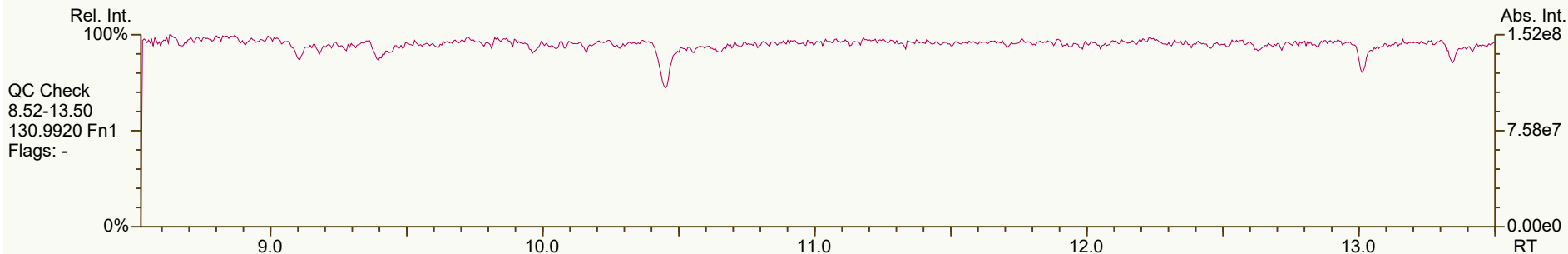
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS	Checkcode: 894-346-FSL				
Largest +ve RT shift (secs)			1.0	1.5					
Largest -ve RT shift (secs)			-2.3	-0.8					
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Recv.
13C6-Naphthalene	10.45		0.8088	0.8108	+1.5	5.98E+06	-	1.59	62.6
13C6-2-Methylnaphthalene	13.01		1.0086	1.0090	+0.3	3.94E+06	-	1.10	59.6
13C6-Acenaphthylene	15.96		0.9717	0.9723	+0.6	4.15E+06	-	1.52	42.9
13C6-Acenaphthene	16.53		1.0060	1.0065	+0.5	2.82E+06	-	0.96	46
13C6-Fluorene	18.11		1.1028	1.1033	+0.5	3.67E+06	-	1.28	45.1
13C6-Phenanthrene	20.85		1.2693	1.2696	+0.3	5.90E+06	-	1.84	50.3
13C6-Anthracene	20.99		1.2780	1.2783	+0.3	4.68E+06	-	1.70	43.3
13C6-Fluoranthene	23.97		0.9785	0.9782	-0.4	7.26E+06	-	1.23	63
13C3-Pyrene	24.55		1.0023	1.0020	-0.4	6.88E+06	-	1.19	61.5
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1280	-0.6	4.93E+06	-	0.83	63.5
13C6-Chrysene	27.75		1.1326	1.1325	-0.1	5.36E+06	-	0.91	63
13C6-Benzo (b) Fluoranthene	31.29		0.9602	0.9599	-0.6	3.70E+06	-	1.35	75.4
13C6-Benzo (k) Fluoranthene	31.41		0.9636	0.9636	0	4.23E+06	-	1.48	78.2
13C4-Benzo (e) Pyrene	32.47		0.9961	0.9961	0	3.85E+06	-	1.28	82.3
13C4-Benzo (a) Pyrene	32.71		1.0036	1.0034	-0.4	3.18E+06	-	1.15	75.8
dl2-Perylene	32.96		1.0112	1.0112	0	2.55E+06	-	0.91	76.7
13C6-Indeno (1,2,3-cd) Pyrene	39.02		1.1968	1.1970	+0.4	2.67E+06	-	0.98	75.2
13C6-Dibenzo (ah) Anthracene	39.21		1.2031	1.2027	-0.8	2.67E+06	-	0.96	76.2
13C12-Benzo (ghi) Perylene	40.86		1.2539	1.2535	-0.8	3.39E+06	-	1.16	80.6
AS--Anthracene (FS)	20.94	V	1.2748	1.2751	+0.3	3.55E+06	-	1.26	44.4
SS-Fluorene	18.03		0.9956	0.9951	-0.5	3.27E+06	-	0.91	98.1
SS-Terphenyl	24.92		1.0396	1.0396	0	4.83E+06	-	0.82	81.4
JS-Methylnaphthalene	12.89		-	-	-	5.98E+06	-	-	-
JS-Acenaphthene	16.42		-	-	-	6.36E+06	-	-	-
JS-Pyrene	24.51		-	-	-	9.38E+06	-	-	-
JS-Benzo (a) Pyrene	32.60		-	-	-	3.64E+06	-	-	-

SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



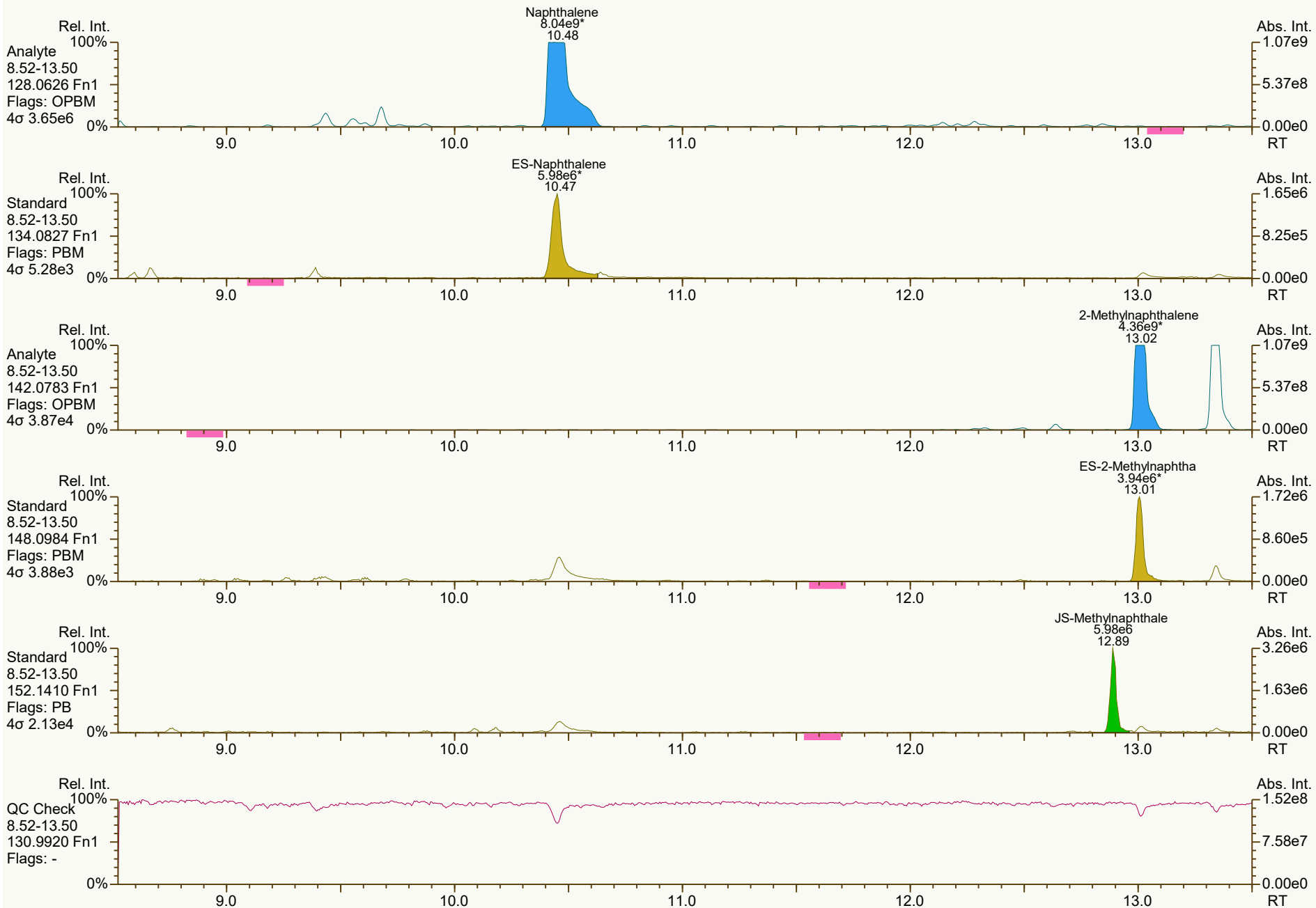
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_007-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 894-346

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:14 Page 1 of 9

SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



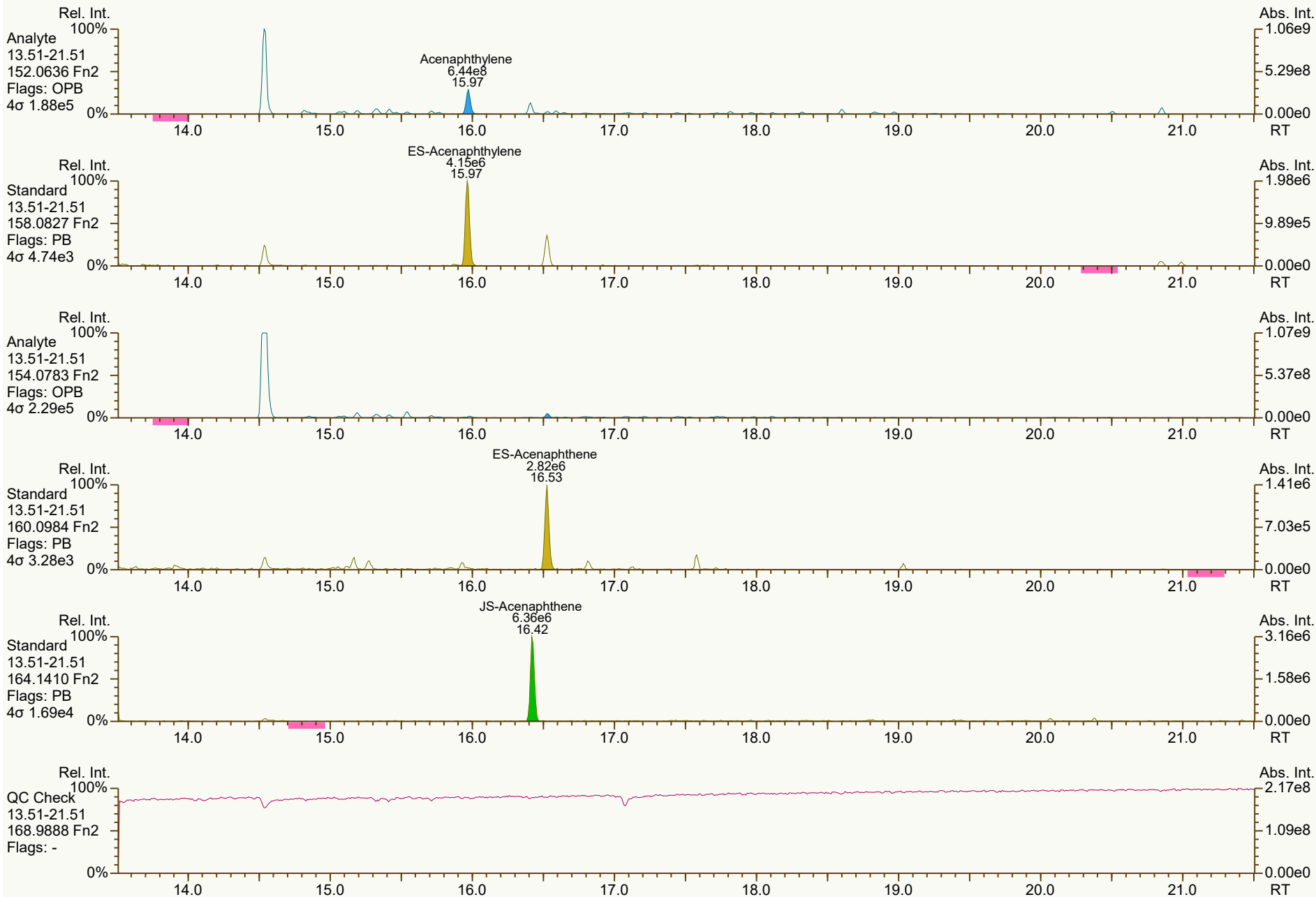
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_007-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3321, 9877, 4172, 1085, 4746 scc: 894-346

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:53 (DTF) Printed: 02-Oct-2024 11:14 Page 2 of 9

SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



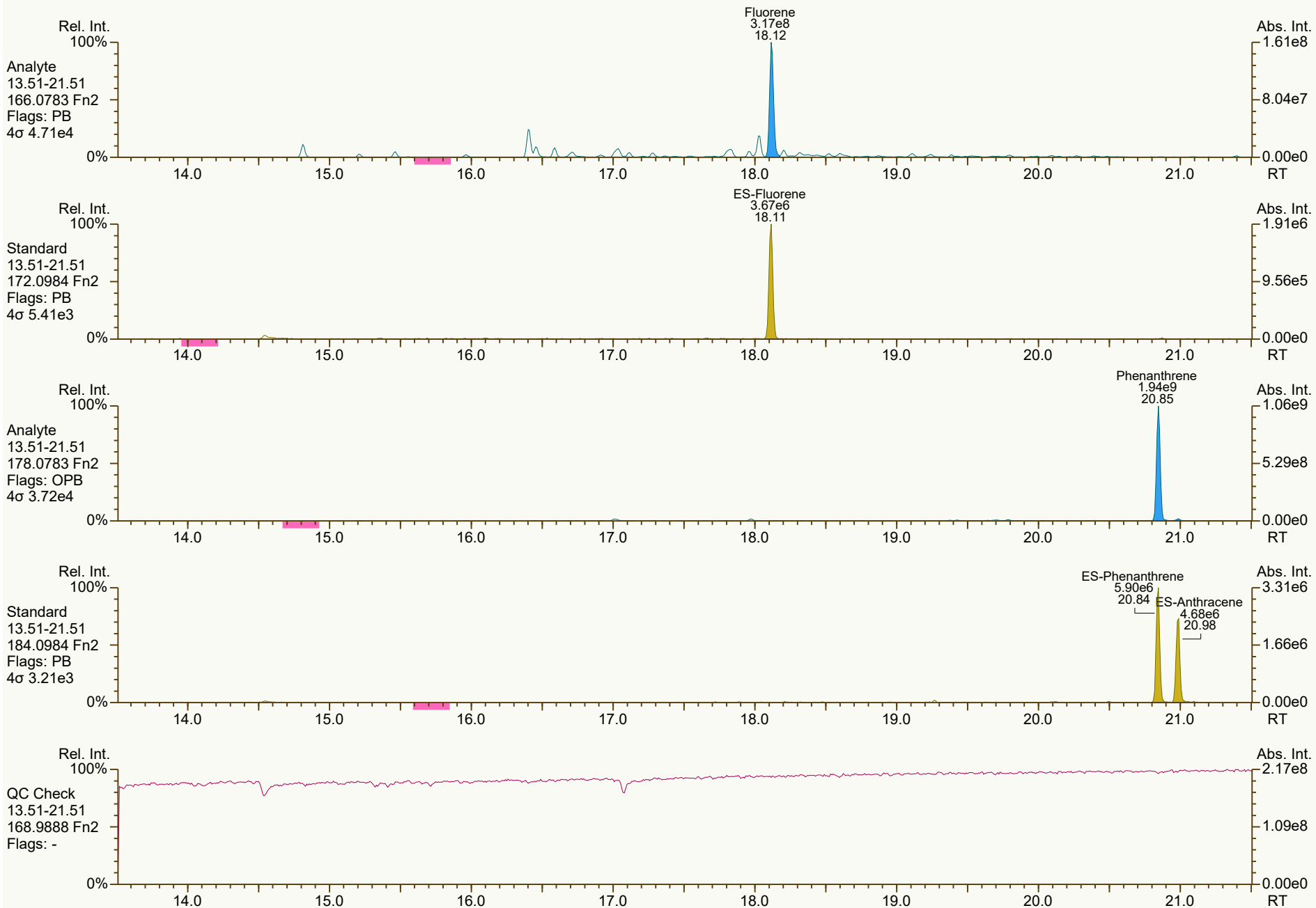
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_007-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4703, 0906, 1652, 4346, 1418 scc: 894-346

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:52 Printed: 02-Oct-2024 11:14 Page 3 of 9

SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



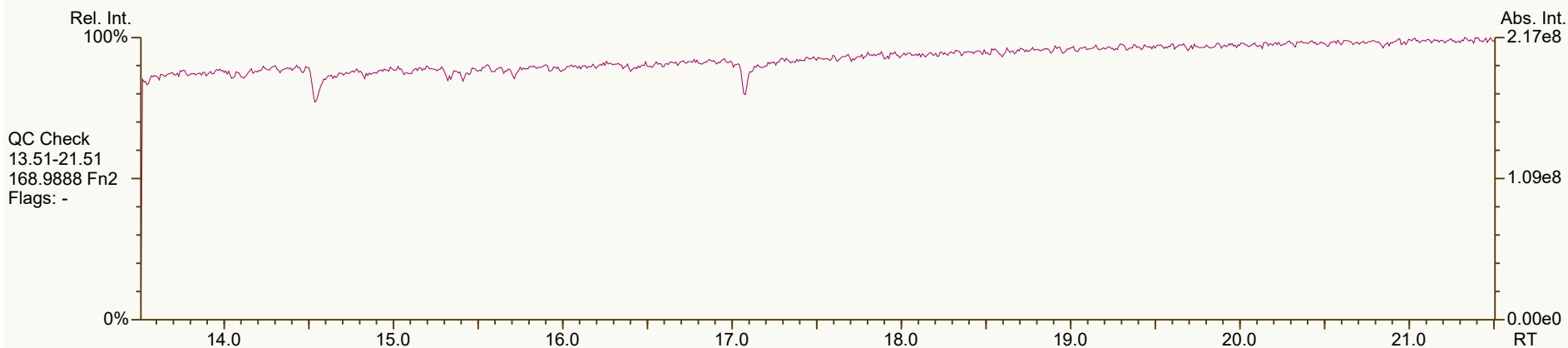
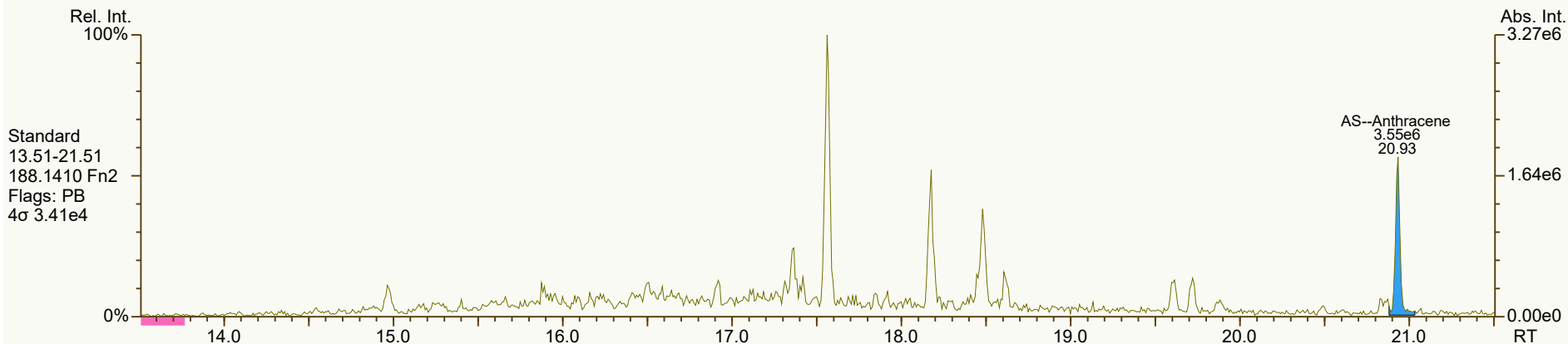
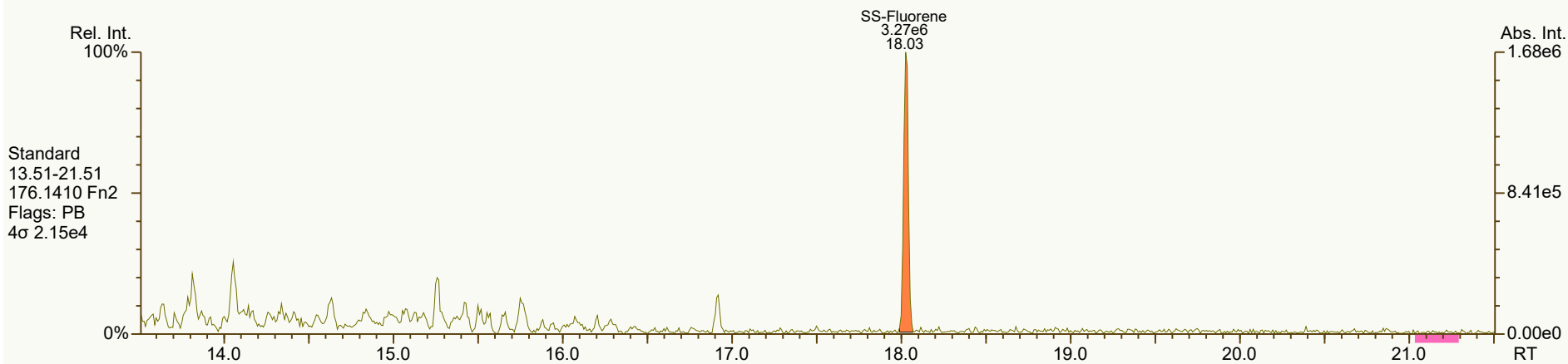
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_007-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0644, 7863, 2032, 1458 scc: 894-346

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:52 Printed: 02-Oct-2024 11:14 Page 4 of 9

SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

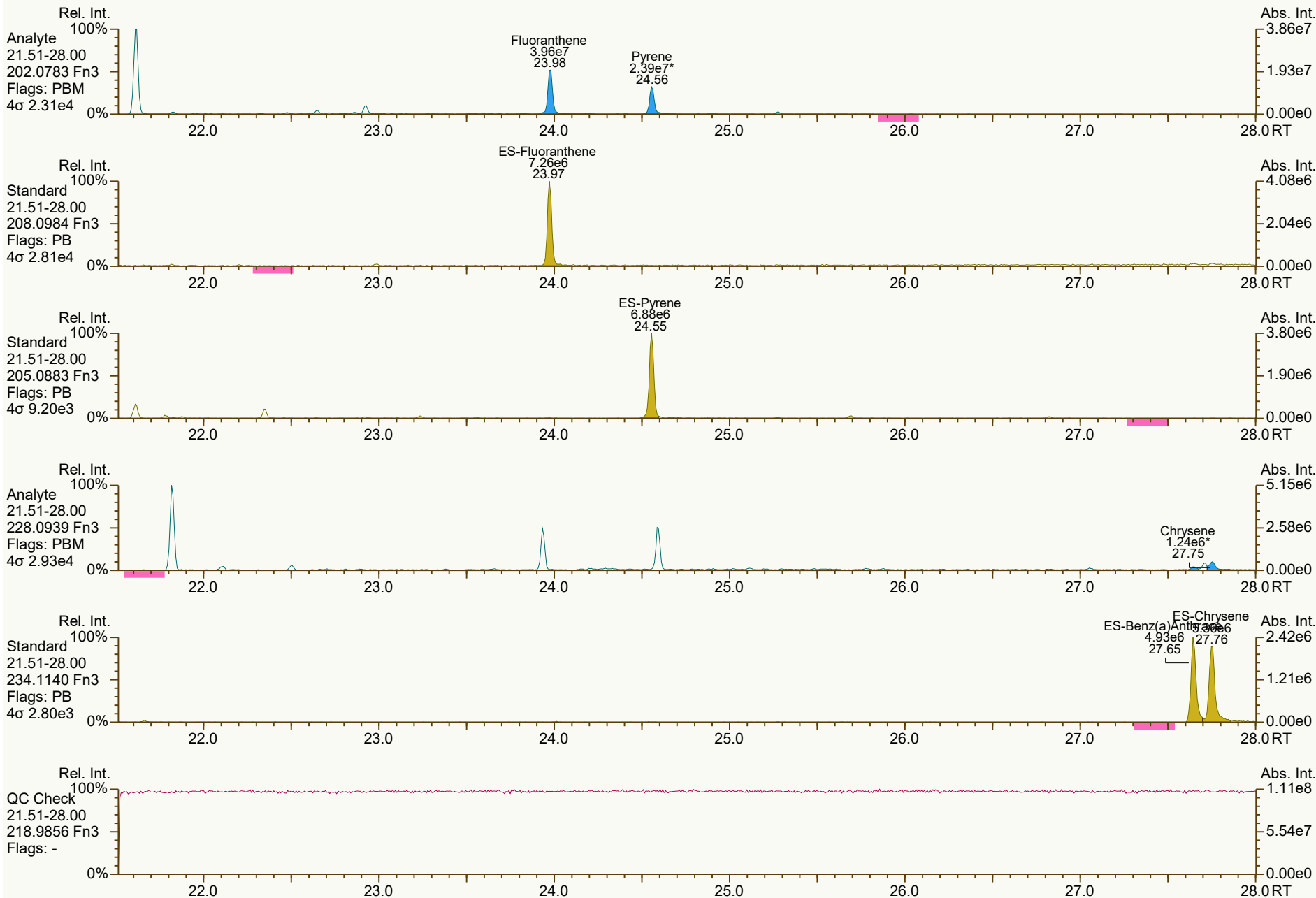
Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



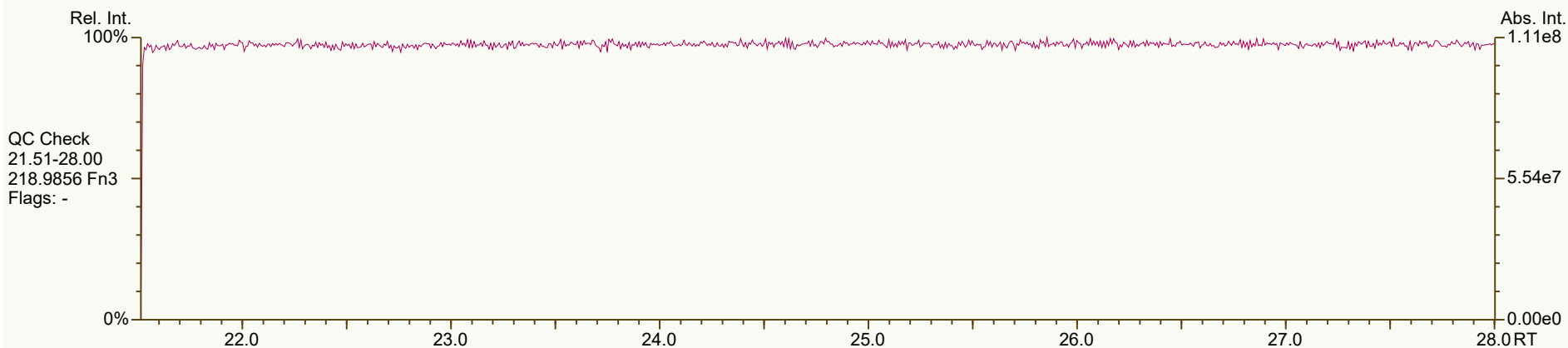
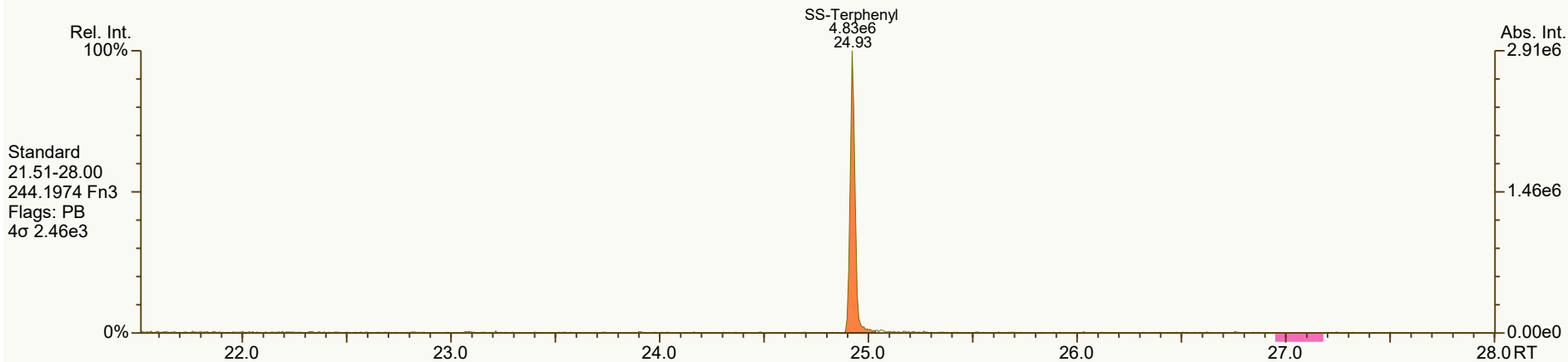
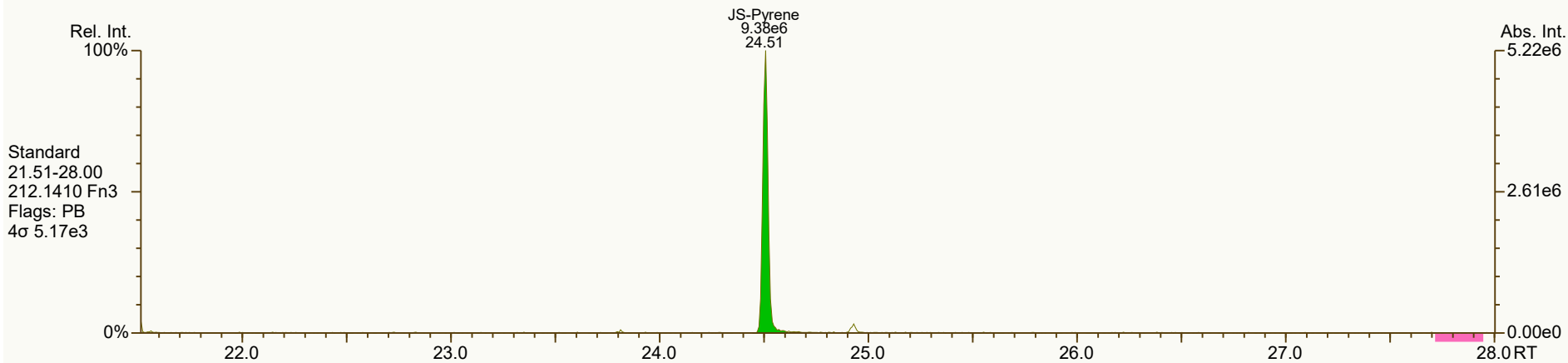
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_007-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3257, 2804, 5041, 7366, 5504 scc: 894-346

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:53 (DTF) Printed: 02-Oct-2024 11:14 Page 6 of 9

SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

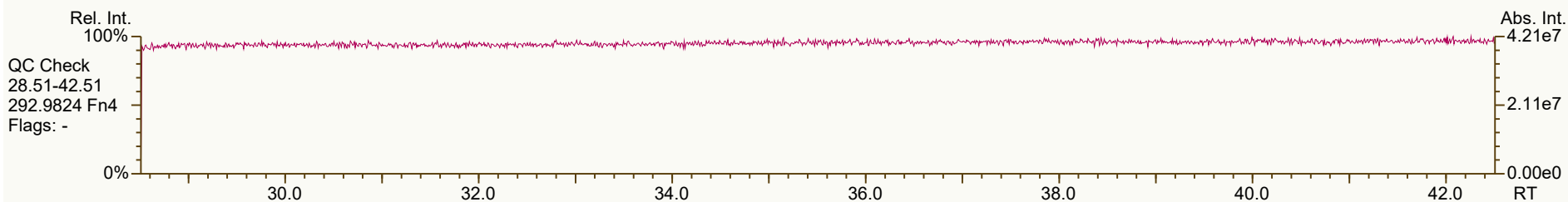
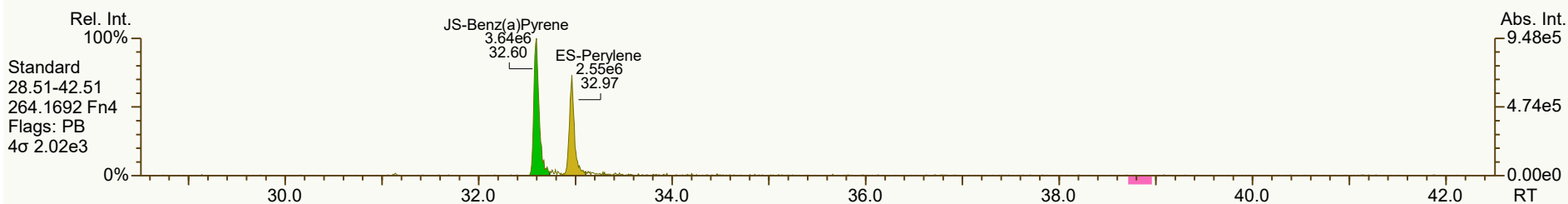
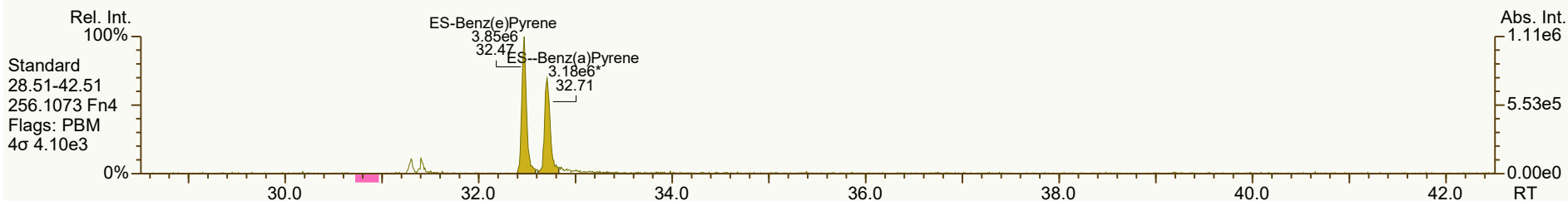
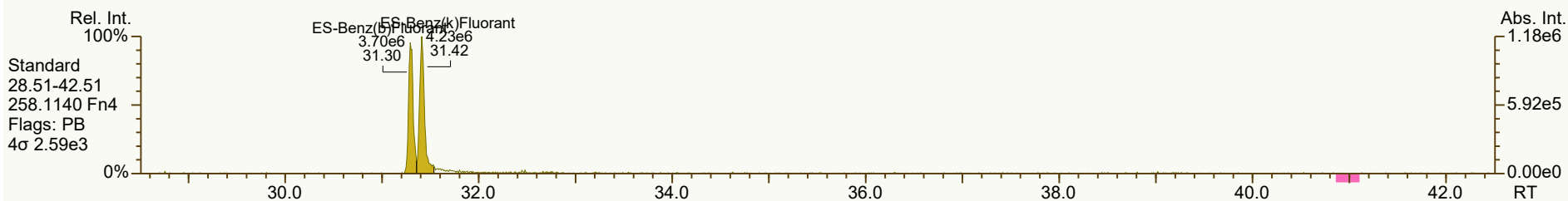
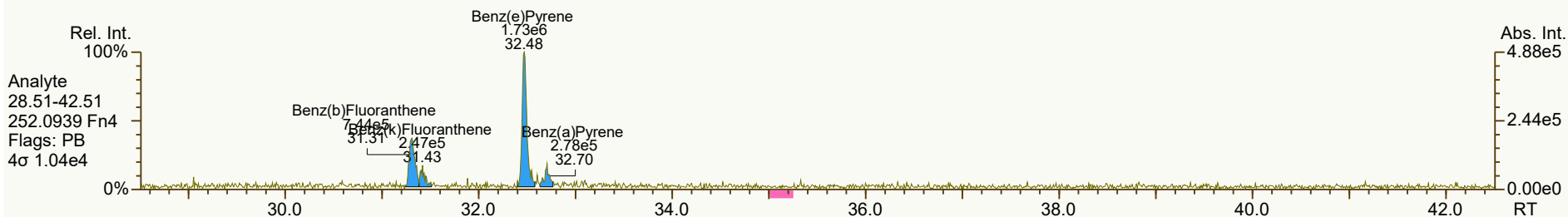
Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



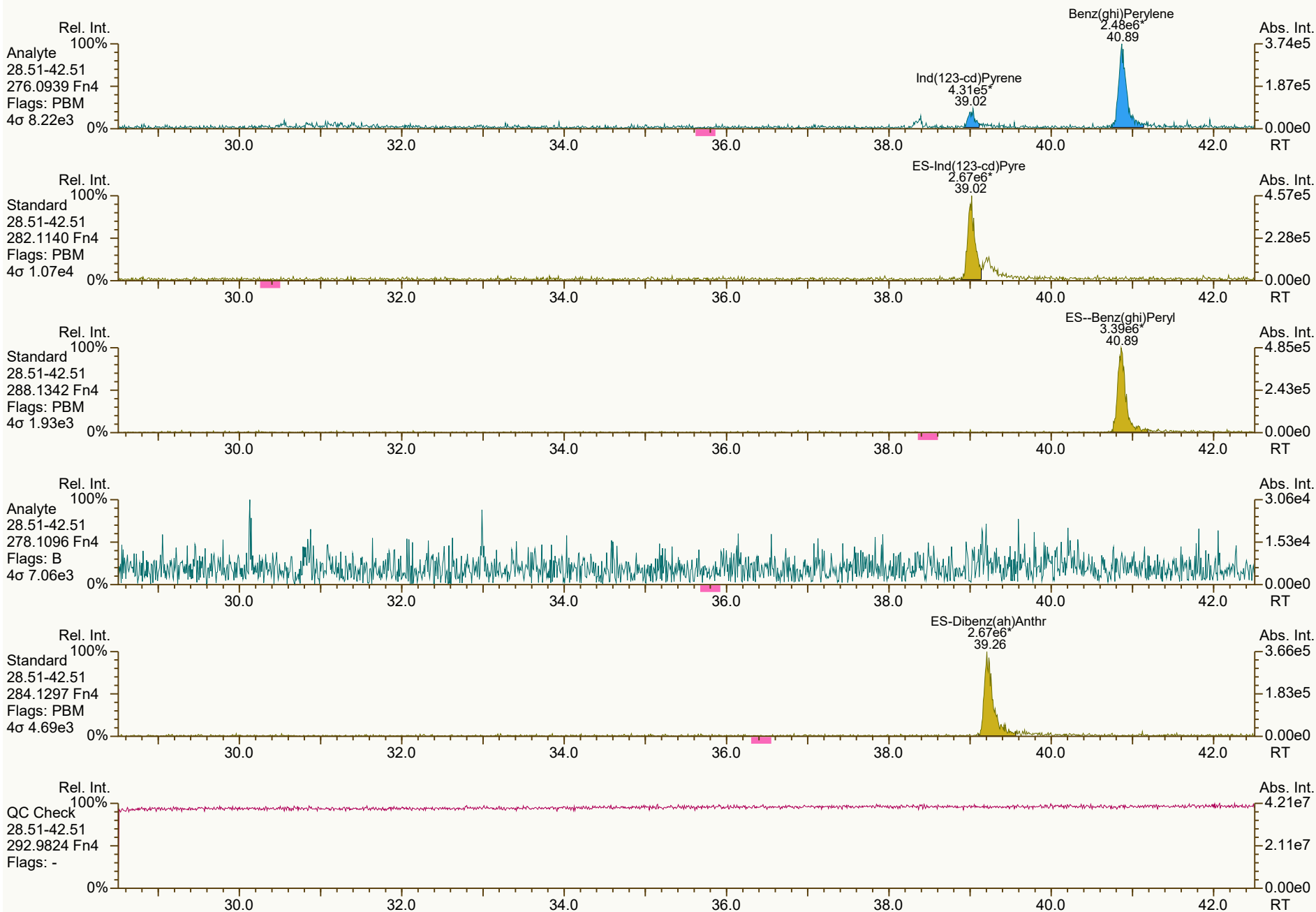
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_007-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6258, 7918, 5384, 1289 scc: 894-346

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:52 (DTF) Printed: 02-Oct-2024 11:14 Page 8 of 9

SGS ID: B9847_21458_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pah GC: pah Vial: 23

Acq: 01-Oct-2024 11:01:56
User: DTF Datafile: 240930V27



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_007-D10.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3251, 0745, 6329, 0932, 2614 scc: 894-346

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 16:53 (DTF) Printed: 02-Oct-2024 11:14 Page 9 of 9

Datafile: 241018V08
Acquired: 18 Oct 2024 15:06:16

Client ID: Field Blank
Lab ID: B9847_21458_PAH_008-AR1

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

Stats	PAH Ax	ES/SS
Largest +ve RT shift (secs)	1.2	0.6
Largest -ve RT shift (secs)	-0.9	-0.8

Checkcode: 191-657-CCZ

Name	Actual		Pred	Actual	Diff	Conc					
	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.42	B E	1.0005	1.0011	+0.4	9.51E+08	-	0.99	681	1.16E+05	0.51300
2-Methylnaphthalene	12.99	B	1.0004	1.0004	0	2.17E+08	-	1.01	170	3.08E+04	0.11600
Acenaphthylene	15.95	J B	1.0006	1.0000	-0.6	3.44E+06	-	0.92	2.99	6.23E+04	0.27900
Acenaphthene	16.51	B	1.0005	1.0005	0	1.96E+07	-	1.01	21	3.87E+04	0.20600
Fluorene	18.10	B	1.0005	1.0005	0	3.43E+07	-	1.02	23.3	2.09E+04	0.07060
Phenanthrene	20.83	B	1.0004	1.0004	0	2.65E+08	-	1.00	75	3.06E+04	0.03980
Anthracene	20.97	J B	1.0000	1.0000	0	1.24E+07	-	1.23	3.3	3.06E+04	0.03810
Fluoranthene	23.96	B	1.0000	1.0000	0	5.54E+07	-	0.92	15.5	5.51E+04	0.07600
Pyrene	24.54	B	1.0000	1.0003	+0.4	7.31E+07	-	0.98	18.5	5.51E+04	0.06940
Benzo (a) Anthracene	27.63	J B	1.0000	1.0003	+0.5	1.84E+06	-	1.00	0.609	1.53E+04	0.03020
Chrysene	27.74	J B	1.0003	1.0003	0	4.50E+06	-	1.01	1.2	1.53E+04	0.02860
Benzo (b) Fluoranthene	31.27	J B	1.0000	1.0000	0	1.67E+06	-	0.98	0.865	1.58E+04	0.06200
Benzo (k) Fluoranthene	31.38	J B	1.0003	1.0003	0	4.73E+05	-	0.92	0.205	1.58E+04	0.06890
Benzo (e) Pyrene	32.44	J B	1.0000	1.0000	0	2.05E+06	-	0.98	1.02	1.58E+04	0.07420
Benzo (a) Pyrene	32.68	J B	0.9997	1.0003	+1.2	1.08E+06	-	0.98	0.656	1.58E+04	0.10900
Perylene	-		1.0039	0.0000		0.00E+00	-	1.06	ND	1.58E+04	0.13100
Indeno (1,2,3-cd) Pyrene	38.97	J B	1.0004	1.0000	-0.9	5.42E+05	-	0.92	0.487	1.32E+04	0.20500
Dibenzo (a,h) Anthracene	39.19	J B	1.0007	1.0004	-0.7	2.70E+05	-	0.94	0.214	9.52E+03	0.18200
Benzo (ghi) Perylene	40.83	J B	1.0006	1.0004	-0.5	2.36E+06	-	0.97	1.42	1.32E+04	0.16200

Datafile: 241018V08
Acquired: 18 Oct 2024 15:06:16

Client ID: Field Blank
Lab ID: B9847_21458_PAH_008-AR1

Wt/Vol: 1.00 Train
J Level: 4 ng/Train

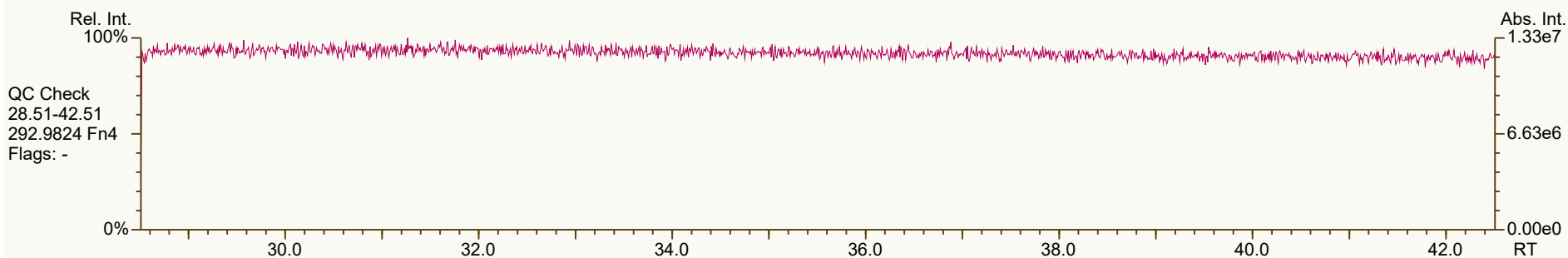
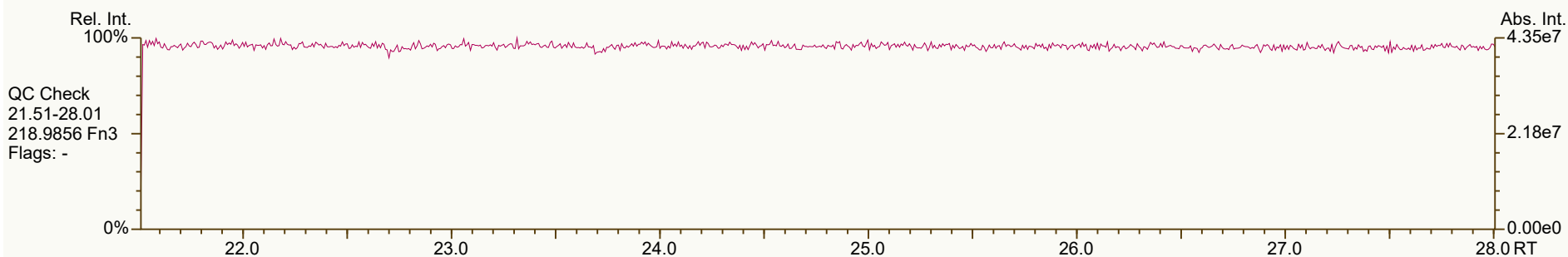
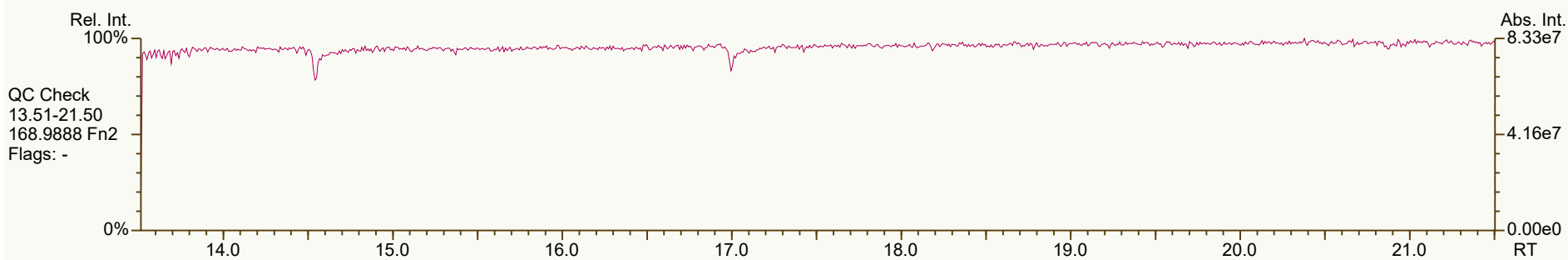
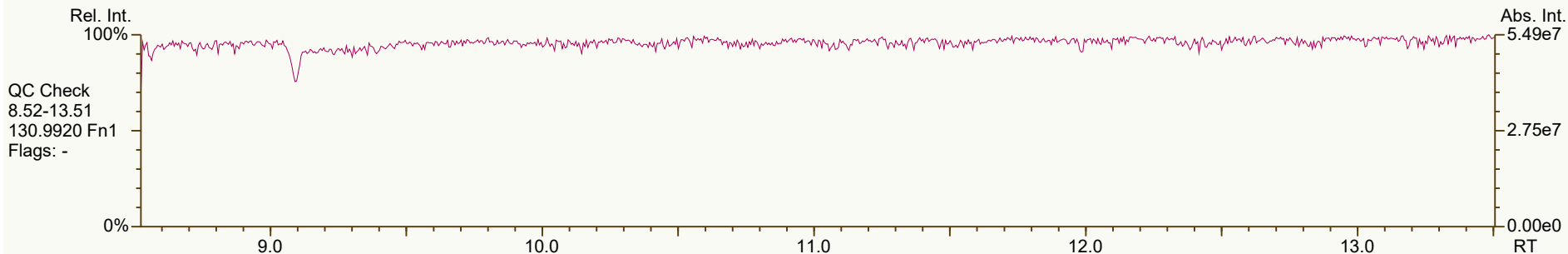
MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

Stats		PAH Ax	ES/SS	Checkcode: 191-657-CCZ					
Largest +ve RT shift (secs)		1.2	0.6						
Largest -ve RT shift (secs)		-0.9	-0.8						
Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.
	RT	QC	RRT	RRT	Secs				
13C6-Naphthalene	10.41		0.8088	0.8084	-0.3	5.63E+07	-	1.35	42.1
13C6-2-Methylnaphthalene	12.98		1.0086	1.0086	0	5.06E+07	-	0.99	51.5
13C6-Acenaphthylene	15.95		0.9717	0.9723	+0.6	4.99E+07	-	1.37	54.2
13C6-Acenaphthene	16.50		1.0060	1.0060	0	3.69E+07	-	0.91	60.3
13C6-Fluorene	18.09		1.1028	1.1028	0	5.79E+07	-	1.09	78.8
13C6-Phenanthrene	20.82		1.2693	1.2693	0	1.42E+08	-	1.91	111
13C6-Anthracene	20.97		1.2780	1.2780	0	1.22E+08	-	1.35	134
13C6-Fluoranthene	23.96		0.9785	0.9785	0	1.56E+08	-	1.23	95.6
13C3-Pyrene	24.54		1.0023	1.0020	-0.4	1.62E+08	-	1.23	98.3
13C6-Benzo (a) Anthracene	27.62		1.1284	1.1281	-0.4	1.21E+08	-	0.86	105
13C6-Chrysene	27.73		1.1326	1.1323	-0.4	1.49E+08	-	1.19	94.2
13C6-Benzo (b) Fluoranthene	31.27		0.9602	0.9601	-0.2	7.85E+07	-	1.28	111
13C6-Benzo (k) Fluoranthene	31.38		0.9636	0.9635	-0.2	1.00E+08	-	1.82	99.9
13C4-Benzo (e) Pyrene	32.44		0.9961	0.9961	0	8.26E+07	-	1.56	95.8
13C4-Benzo (a) Pyrene	32.67		1.0036	1.0034	-0.4	6.73E+07	-	1.23	99.1
dl2-Perylene	32.93		1.0112	1.0112	0	5.28E+07	-	1.13	84.9
13C6-Indeno (1,2,3-cd) Pyrene	38.97		1.1968	1.1967	-0.2	4.85E+07	-	0.85	103
13C6-Dibenzo (ah) Anthracene	39.17		1.2031	1.2029	-0.4	5.39E+07	-	0.94	104
13C12-Benzo (ghi) Perylene	40.82		1.2539	1.2535	-0.8	6.87E+07	-	1.33	93.6
AS--Anthracene	20.91		1.2748	1.2747	-0.1	9.58E+07	-	1.17	121
SS-Fluorene	18.01		0.9956	0.9956	0	5.39E+07	-	1.00	92.8
SS-Terphenyl	24.91		1.0396	1.0396	0	1.43E+08	-	0.79	115
JS-Methylnaphthalene	12.87		-	-	-	9.93E+07	-	-	-
JS-Acenaphthene	16.41		-	-	-	6.73E+07	-	-	-
JS-Pyrene	24.49		-	-	-	1.33E+08	-	-	-
JS-Benzo (a) Pyrene	32.56		-	-	-	5.53E+07	-	-	-

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



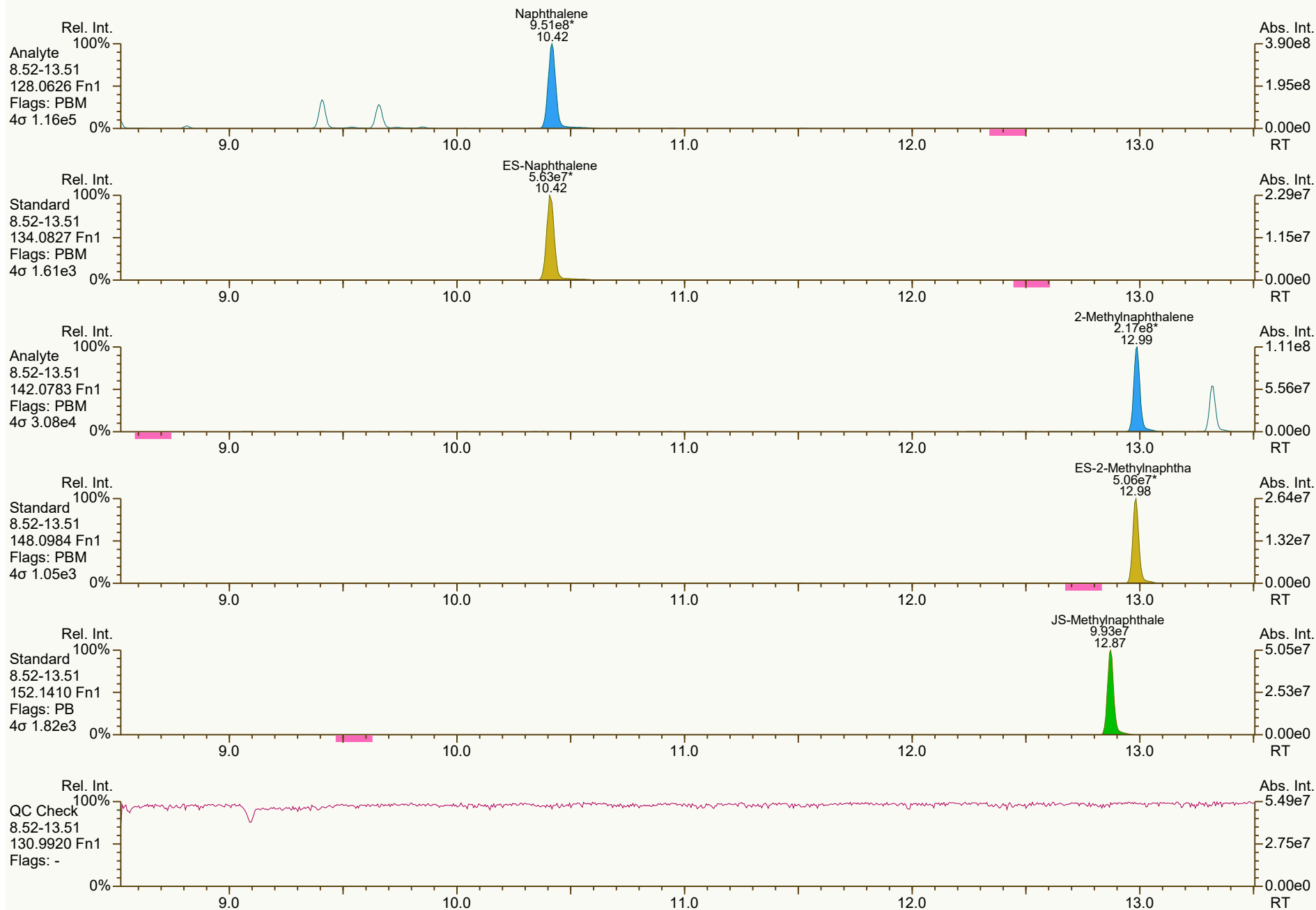
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 191-657

Peak annotation: Areas, Centroids
PKD: n/a Printed: 21-Oct-2024 11:42 Page 1 of 9

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



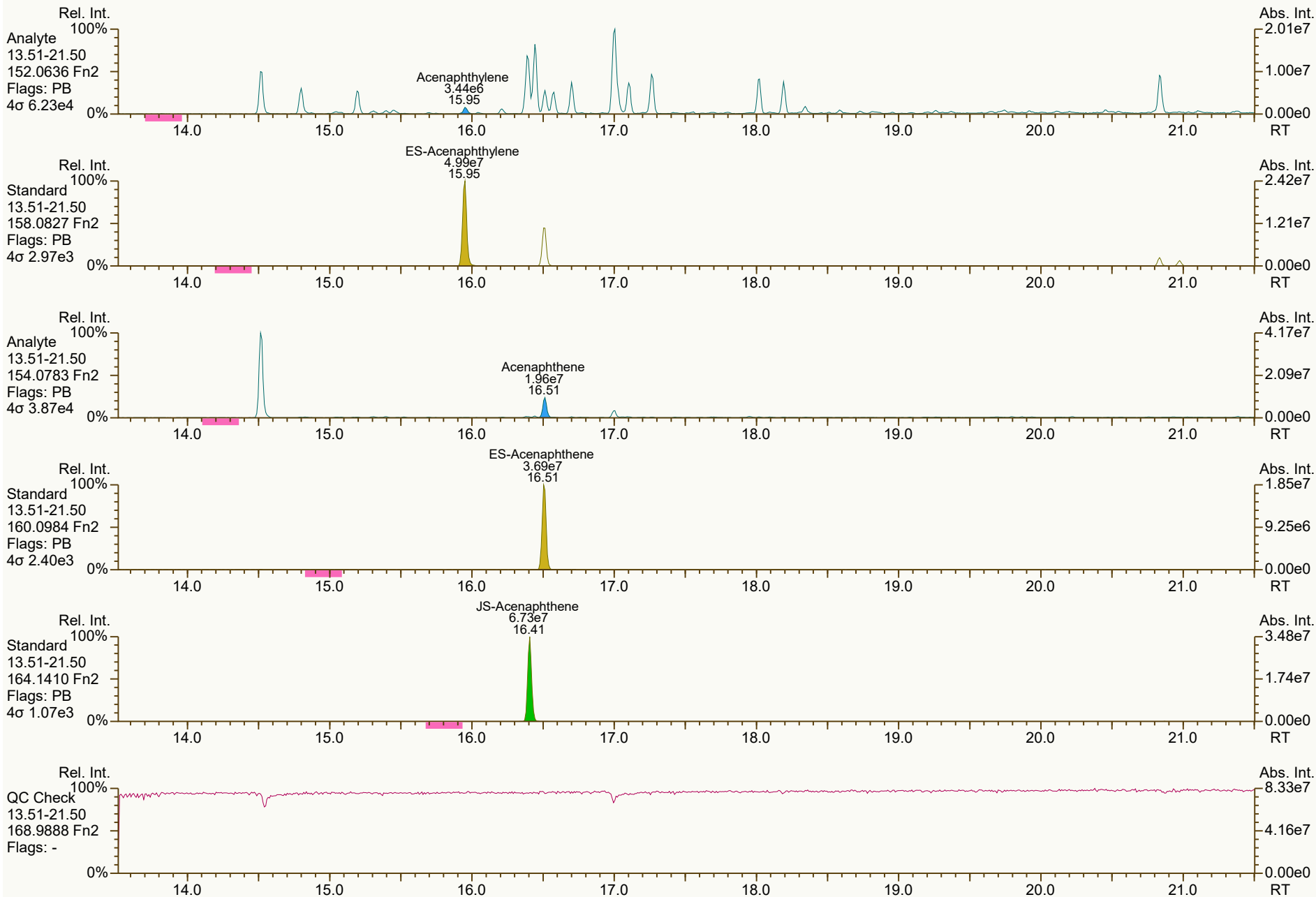
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9956, 7759, 7802, 4953, 5939 scc: 191-657

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:37 (DTF) Printed: 21-Oct-2024 11:42 Page 2 of 9

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



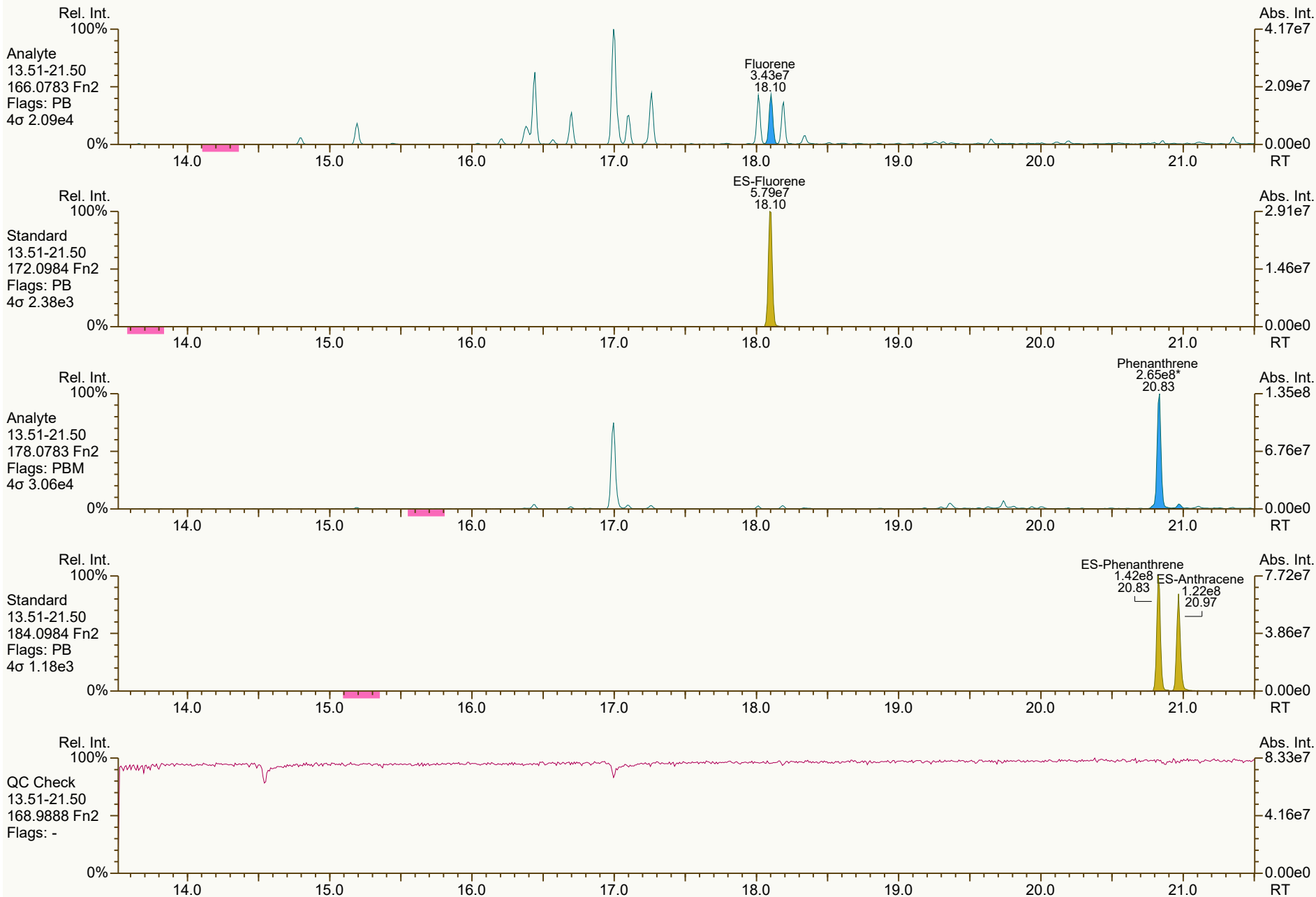
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0275, 3976, 7527, 5773, 7849 scc: 191-657

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:36 Printed: 21-Oct-2024 11:42 Page 3 of 9

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



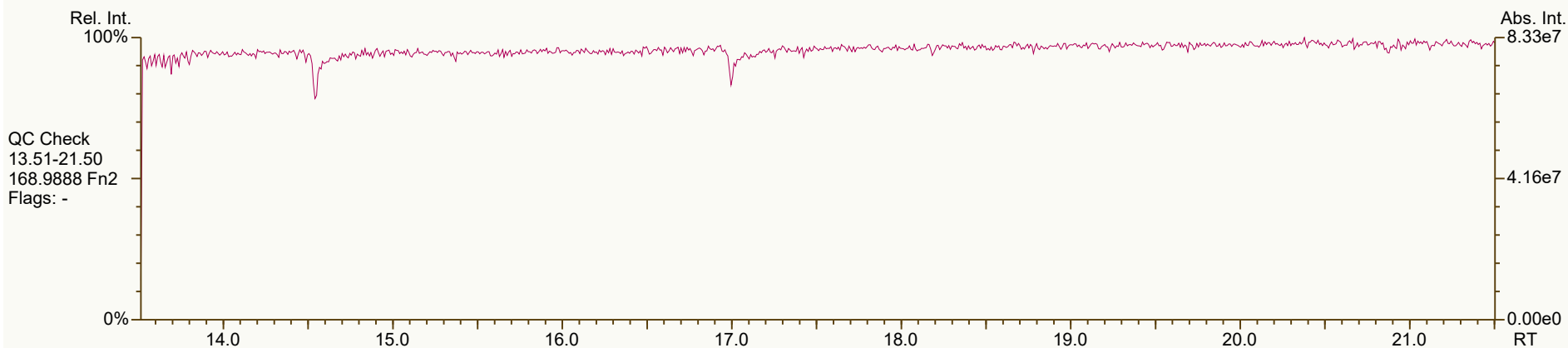
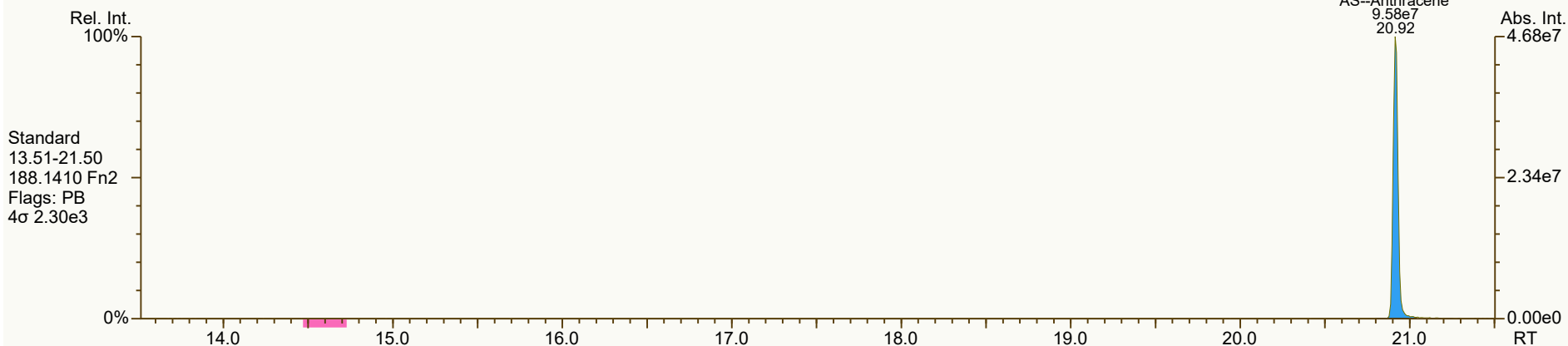
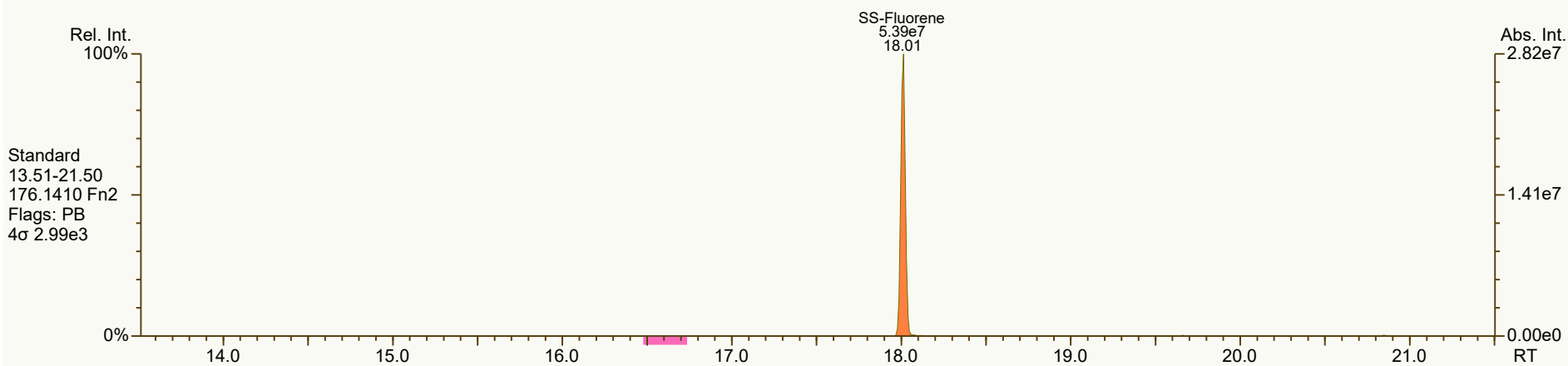
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8885, 3360, 1938, 6658 scc: 191-657

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:37 (DTF) Printed: 21-Oct-2024 11:42 Page 4 of 9

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



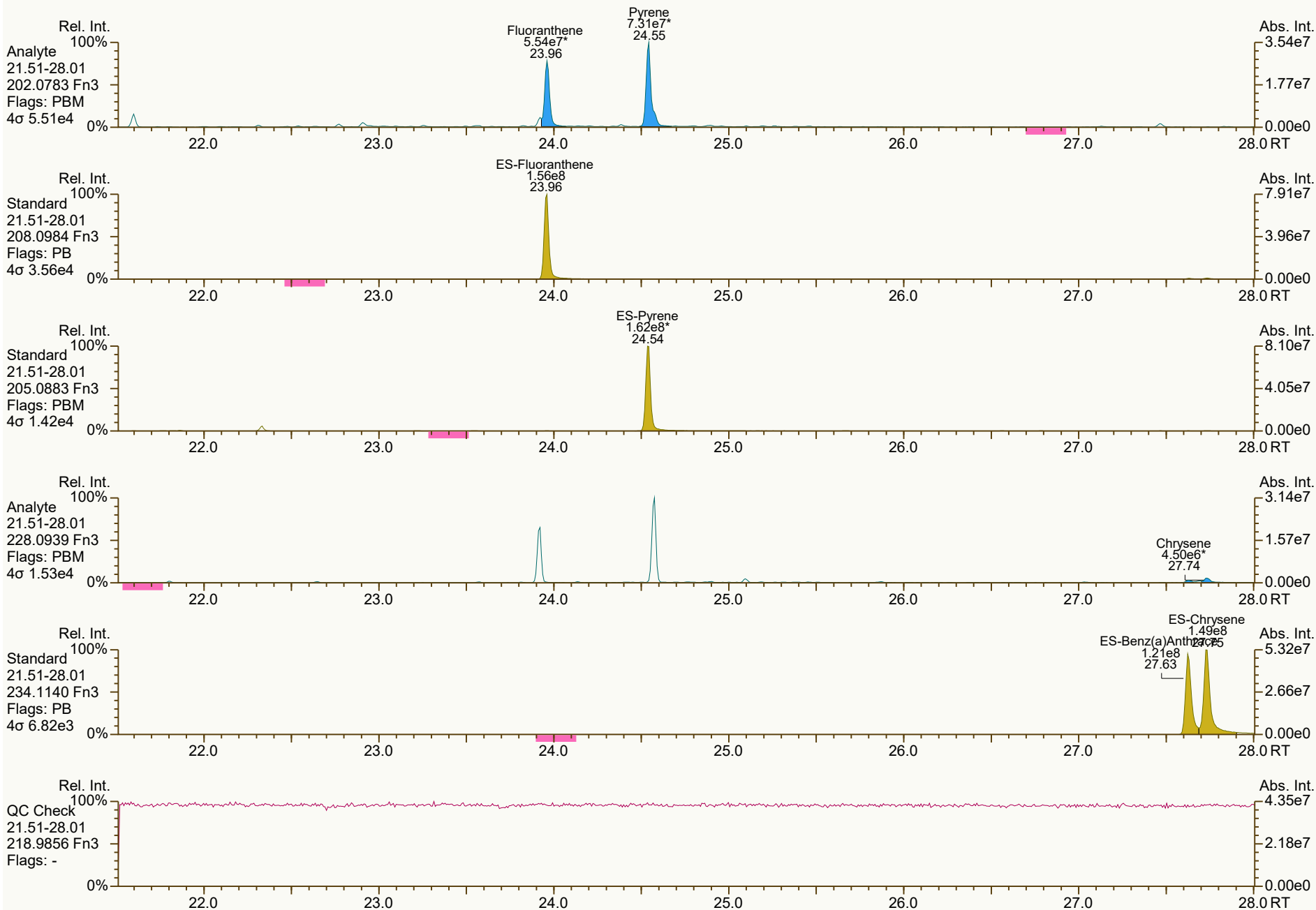
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8548, 1332 scc: 191-657

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:36 Printed: 21-Oct-2024 11:42 Page 5 of 9

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



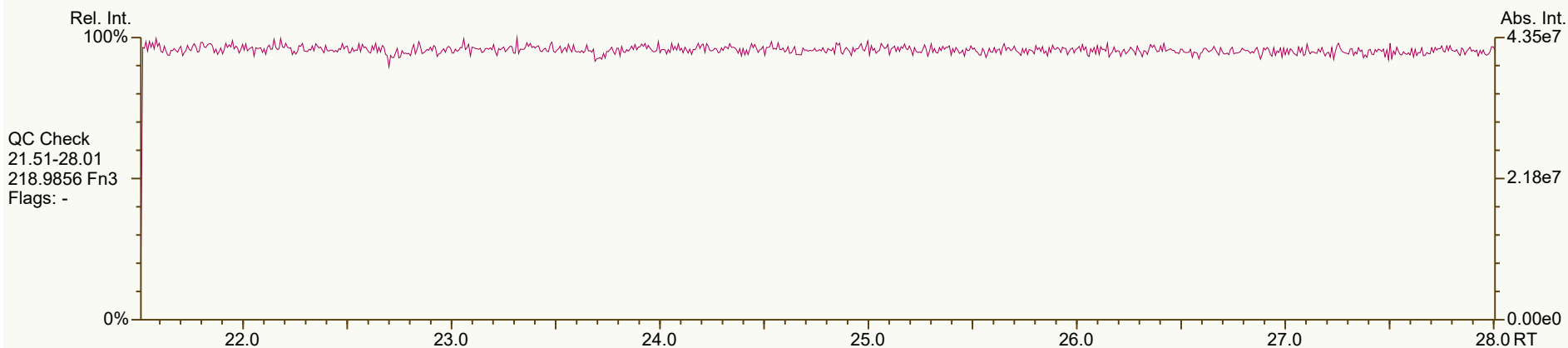
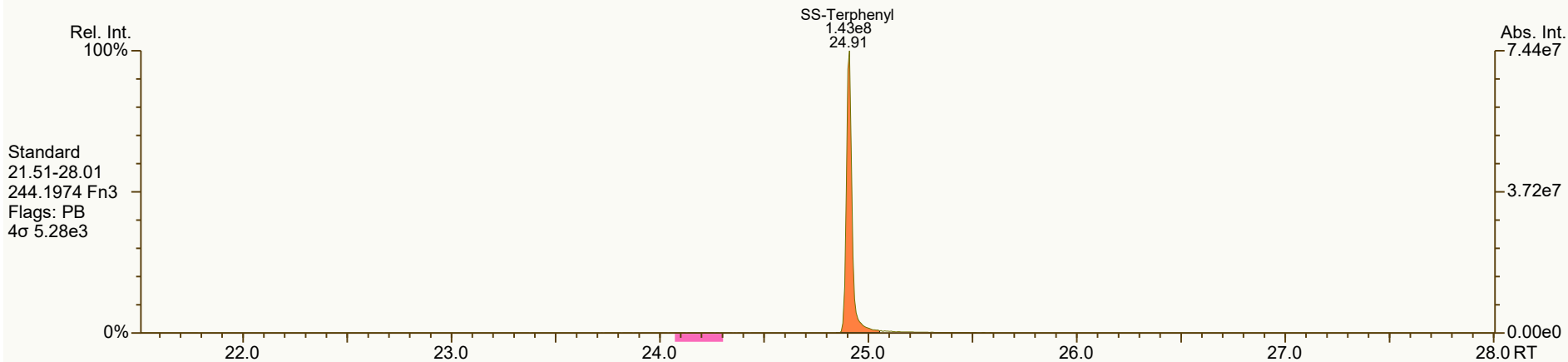
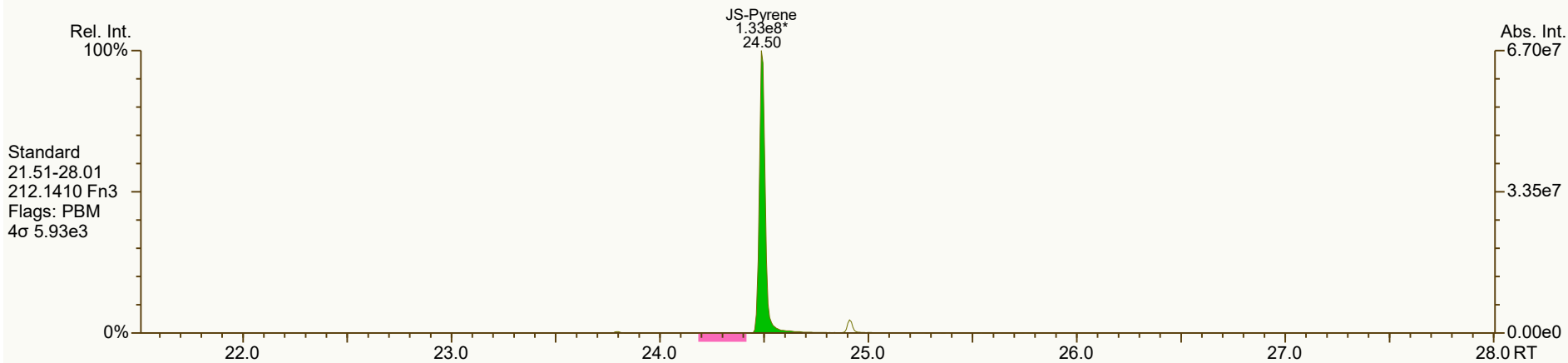
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2072, 9798, 8187, 5242, 6879 scc: 191-657

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:37 (DTF) Printed: 21-Oct-2024 11:42 Page 6 of 9

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

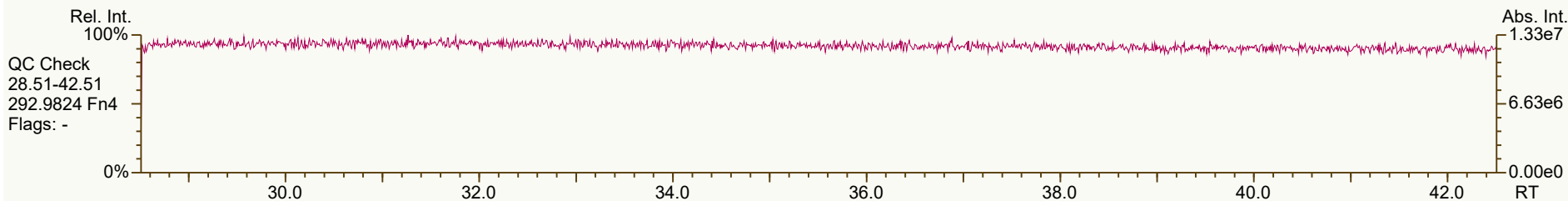
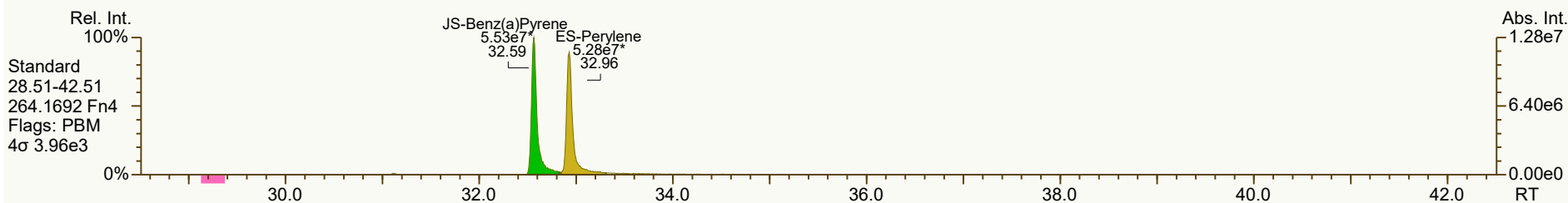
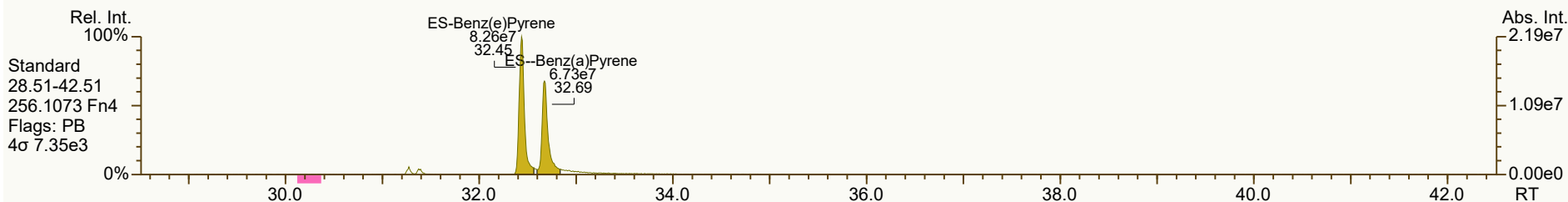
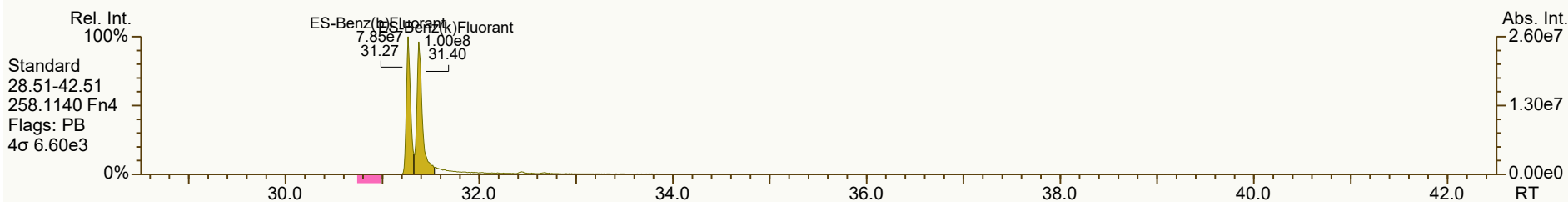
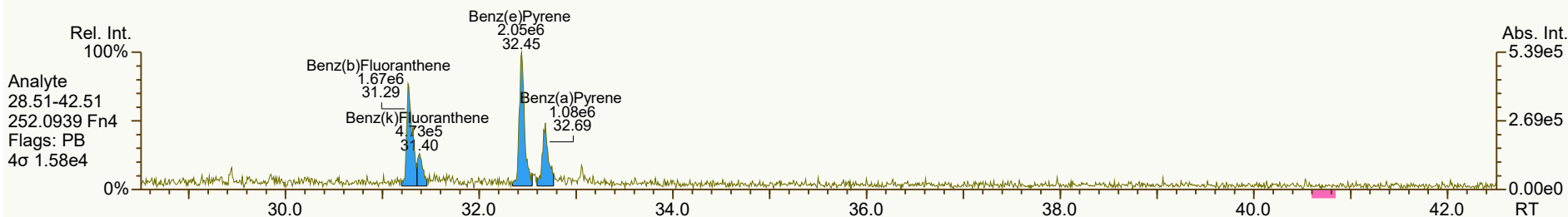
Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



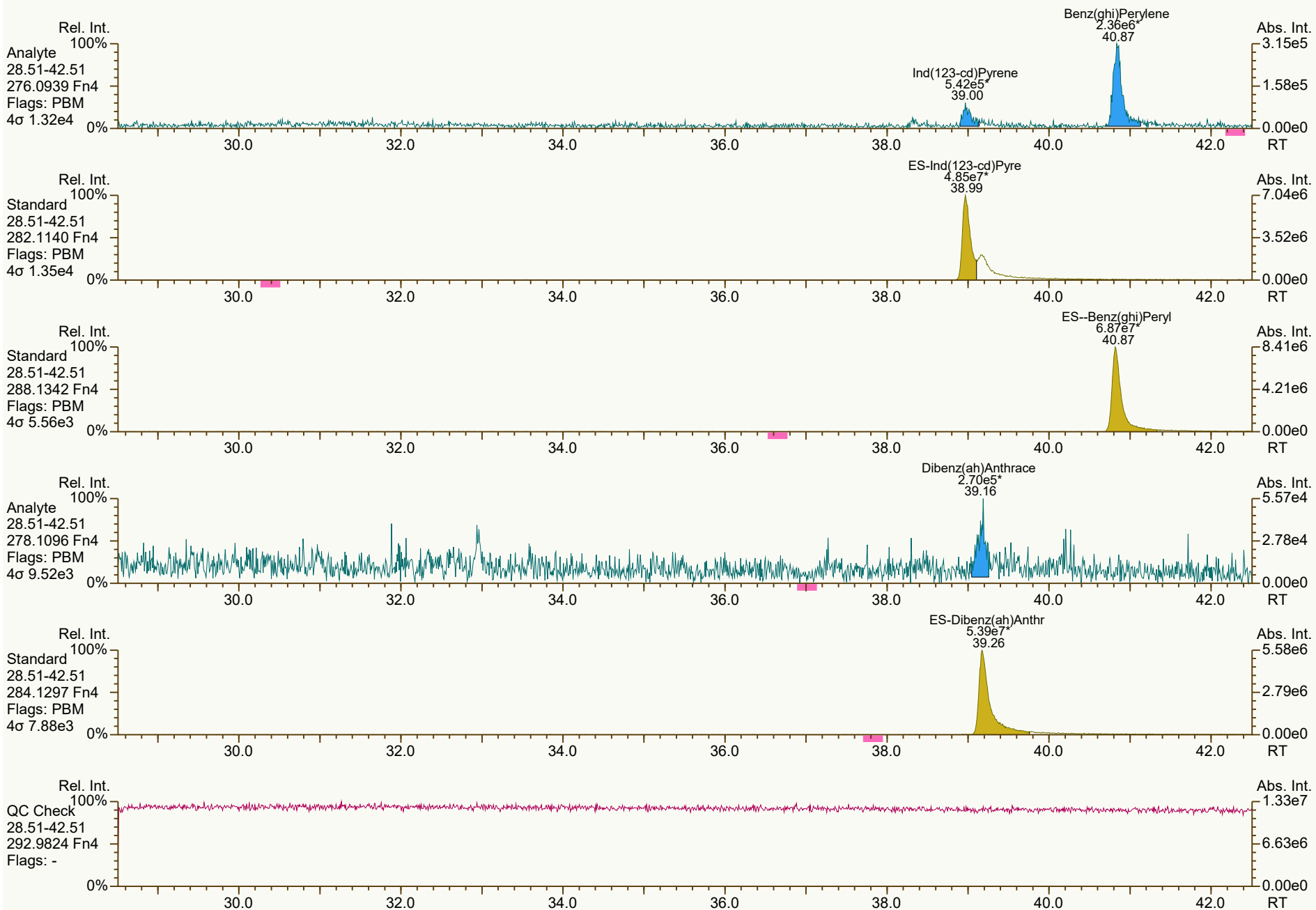
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2074, 8208, 7861, 4937 scc: 191-657

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:37 (DTF) Printed: 21-Oct-2024 11:42 Page 8 of 9

SGS ID: B9847_21458_PAH_008-AR1
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 44

Acq: 18-Oct-2024 15:06:16
User: DTF Datafile: 241018V08



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\B9847_21458_PAH_008-AR1.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0248, 2702, 9372, 6699, 9036 scc: 191-657

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:38 (DTF) Printed: 21-Oct-2024 11:42 Page 9 of 9

SGS Environmental Services — Run Log

Project: B9847_21458_PCB

Instrument: HRMS2 (AutoSpec-Ultima)

MS Experiment: pcb-2016

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
0	241007B11	1	CS3_241007_PCB_BC	1.00	ICAL SIL 27-92-1	JLJ	224-084	08-Oct-2024	03:22:57
1	241007B12	2	CS3_241007_PCB_BD	1.00	CPSM SIL 27-92-2	JLJ	886-581	08-Oct-2024	04:19:59
2	241007B13	3	SB_241007_PCB_BD	1.00	DISTILLED NONANE	JLJ	330-598	08-Oct-2024	05:18:41
3	241007B14	53	MB1_21458_PCB_SDS	1.00	Method Blank	JLJ	801-948	08-Oct-2024	06:17:23
4	241007B15	54	B9847_21458_PCB_001	1.00	Test #1 Mill on	JLJ	889-250	08-Oct-2024	07:16:05
5	241007B16	55	B9847_21458_PCB_002	1.00	Test #2 Mill on	JLJ	046-560	08-Oct-2024	08:14:47
6	241007B17	56	B9847_21458_PCB_003	1.00	Test #3 Mill on	JLJ	160-397	08-Oct-2024	09:13:29
7	241007B18	57	B9847_21458_PCB_004	1.00	Test #4 Mill on	JLJ	186-417	08-Oct-2024	10:12:11
8	241007B19	58	B9847_21458_PCB_005	1.00	Test #1 Mill off	JLJ	442-377	08-Oct-2024	11:10:52
9	241007B20	59	B9847_21458_PCB_006	1.00	Test #2 Mill off	JLJ	147-850	08-Oct-2024	12:09:34
10	241007B21	60	B9847_21458_PCB_007	1.00	Test #3 Mill off	JLJ	911-724	08-Oct-2024	13:08:15
11	241007B22	61	B9847_21458_PCB_008	1.00	Field Blank	JLJ	032-384	08-Oct-2024	14:06:57
23	241007B23	3	SB_241007_PCB_BF	1.00	DISTILLED NONANE	JLJ	042-073	09-Oct-2024	00:14:51

REVIEWED

Jerry Jones , 10/11/2024, 1:16:03 PM

Poor chromatography in lower homologue groups for samples 005, 006, 007
due to high concentrations
TB 10/14/2024

REVIEWED

paul_walton , 10/11/2024, 2:04:49 PM

Lab ID: MB1_21458_PCB_SDS
Client ID: Method Blank B9847_21458
Datafile: 241007B14

ACQ: 08-Oct-2024 06:17:23 JLJ
UTP: 11-Oct-2024 12:38:05 JLJ
RPT: 11-Oct-2024 12:41 JJ

Wt/Vol: 1
J-level: 20 pg Split: 2
StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD
Checkcode: 801-948-TMN/C
Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	ND		1.0006					0.95	ND	6.06E+03	5.77
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	6.06E+03	5.4
PCB-105 233'44'-PeCB	35.09	EMPC	1.0006	1.0005	-0.2	2.78E+05	0.85	0.97	24.6	4.64E+03	4.4
PCB-114 2344'5-PeCB	ND		1.0007					0.96	ND	4.64E+03	4.49
PCB-118 23'44'5-PeCB	34.07		1.0007	1.0007	0	1.02E+06	0.60	0.99	81.1	4.64E+03	4.05
PCB-123 23'44'5'-PeCB	33.79	J EMPC	1.0007	1.0007	0	3.52E+04	0.95	0.96	3.04	4.64E+03	4.27
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	4.05E+03	5.65
PCB-156/157 ...-HxCB	40.26	J EMPC C	1.0005	1.0001	-1.0	6.89E+04	0.95	0.96	8.12	3.01E+03	5.23
PCB-167 23'44'55'-HxCB	39.25	J EMPC	1.0005	0.9999	-1.4	4.06E+04	2.75	0.94	4.71	3.01E+03	3.74
PCB-169 33'44'55'-HxCB	43.01	J	1.0005	1.0002	-0.8	4.58E+04	1.37	0.97	6.57	3.01E+03	4.73
PCB-189 233'44'55'-HpCB	45.13	J EMPC	1.0004	1.0004	0	1.71E+04	0.78	0.93	3.29	2.40E+03	4.98
PCB-209 DeCB	ND		1.0005					0.95	ND	1.89E+03	8.04
ES PCB-1	11.37		0.7219	0.7216	-0.2	4.84E+07	3.12	1.19	41 %	5%	145%
ES PCB-3	13.61		0.8628	0.8633	+0.4	4.95E+07	3.15	1.13	44.2 %	5%	145%
ES PCB-4	13.83		0.8777	0.8774	-0.2	3.44E+07	1.57	0.72	47.9 %	5%	145%
ES PCB-15	19.47		1.2345	1.2355	+1.2	6.15E+07	1.57	1.07	57.8 %	5%	145%
ES PCB-19	16.84		1.0688	1.0684	-0.4	3.59E+07	1.04	0.65	55.7 %	5%	145%
ES PCB-37	25.78		1.0824	1.0835	+1.7	5.69E+07	1.06	1.40	50.1 %	5%	145%
ES PCB-54	19.71		0.8288	0.8284	-0.5	4.92E+07	0.80	1.23	49.1 %	5%	145%
ES PCB-77	32.11		1.3483	1.3498	+2.9	4.99E+07	0.77	1.28	48 %	10%	145%
ES PCB-81	31.62		1.3278	1.3290	+2.3	5.20E+07	0.80	1.33	48.3 %	10%	145%
ES PCB-104	24.63		0.8278	0.8274	-0.6	5.32E+07	1.62	1.32	62.3 %	10%	145%
ES PCB-105	35.08		1.1779	1.1782	+0.6	4.66E+07	1.57	1.26	57.2 %	10%	145%
ES PCB-114	34.52		1.1590	1.1594	+0.8	4.68E+07	1.65	1.34	53.7 %	10%	145%
ES PCB-118	34.05		1.1434	1.1438	+0.8	5.10E+07	1.54	1.31	60 %	10%	145%
ES PCB-123	33.77		1.1339	1.1343	+0.8	4.82E+07	1.60	1.27	58.6 %	10%	145%
ES PCB-126	37.72		1.2663	1.2671	+1.8	3.47E+07	1.55	1.19	45.1 %	10%	145%
ES PCB-153	35.62		0.9706	0.9706	0	4.44E+07	1.27	1.11	70.1 %	10%	145%
ES PCB-155	29.56		0.8059	0.8056	-0.5	6.02E+07	1.27	1.45	72.8 %	10%	145%
ES PCB-156/157	40.25	C	1.0967	1.0969	+0.5	7.08E+07	1.21	1.24	50.1 %	10%	145%
ES PCB-167	39.25		1.0695	1.0696	+0.2	3.68E+07	1.23	1.29	50.2 %	10%	145%
ES PCB-169	43.01		1.1714	1.1719	+1.3	2.88E+07	1.27	1.18	42.8 %	10%	145%
ES PCB-170	42.48		0.9058	0.9058	0	2.49E+07	1.08	1.06	106 %	10%	145%
ES PCB-180	41.39		0.8827	0.8826	-0.2	3.04E+07	1.09	1.25	110 %	10%	145%
ES PCB-188	34.46		0.9393	0.9391	-0.4	5.25E+07	1.10	1.36	67.7 %	10%	145%
ES PCB-189	45.11		0.9619	0.9619	0	2.24E+07	1.06	1.37	73.8 %	10%	145%
ES PCB-202	39.02		1.0635	1.0634	-0.2	4.13E+07	0.90	1.19	60.8 %	10%	145%
ES PCB-205	47.34		1.0093	1.0093	0	1.98E+07	0.87	1.23	72.5 %	10%	145%
ES PCB-206	49.04		1.0458	1.0457	-0.3	1.49E+07	0.77	0.89	75.8 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.68		0.9528	0.9526	-0.5	2.60E+07	0.80	1.26	93.6 %	10%	145%
ES PCB-209	50.83		1.0840	1.0838	-0.6	1.48E+07	1.13	0.98	67.9 %	10%	145%
SS PCB-28	22.19		0.9324	0.9325	+0.1	5.54E+07	1.06	1.04	94 %	5%	145%
SS PCB-111	32.08		1.0771	1.0774	+0.6	4.72E+07	1.60	0.98	99.7 %	10%	145%
SS PCB-178	37.06		1.0099	1.0098	-0.2	3.36E+07	1.14	0.71	90.5 %	10%	145%
CS PCB-28	22.19		0.9324	0.9325	+0.1	5.54E+07	1.06	1.44	47.4 %	5%	145%
CS PCB-111	32.08		1.0771	1.0774	+0.6	4.72E+07	1.60	1.24	58.6 %	10%	145%
CS PCB-178	37.06		1.0099	1.0098	-0.2	3.36E+07	1.14	0.96	61.3 %	10%	145%
JS PCB-9	15.76					9.92E+07	1.57				
JS PCB-52	23.79					8.11E+07	0.77				
JS PCB-101	29.77					6.49E+07	1.59				
JS PCB-138	36.70					5.70E+07	1.22				
JS PCB-194	46.90					2.21E+07	0.90				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	267	267	2.93		
						Di-CB	2,060	2,260	6.68		
						Tri-CB	895	951	7.36		
						Tetra-CB	1,060	1,100	3.91		
						Penta-CB	883	1,010	4.24		
						Hexa-CB	439	536	3.99		
						Hepta-CB	135	148	4.83		
						Octa-CB	5.17	17.4	4.37		
						Nona-CB	0	0	8.64		

Lab ID: MB1_21458_PCB_SDS
Client ID: Method Blank B9847_21458
Datafile: 241007B14

ACQ: 08-Oct-2024 06:17:23 JLJ
UTP: 11-Oct-2024 12:38:05 JLJ
RPT: 11-Oct-2024 12:41 JJ

Wt/Vol: 1
J-level: 20 pg Split: 2
StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD
Checkcode: 801-948-TMN/C
Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.39		1.0012	1.0011	-0.1	1.49E+06	3.00	1.01	122	5.12E+03	2.69
PCB-2 3-MoCB	13.44		0.9879	0.9880	+0.1	1.01E+06	3.22	1.02	79.9	5.12E+03	3.16
PCB-3 4-MoCB	13.62		1.0010	1.0009	-0.1	8.19E+05	2.97	1.01	65.2	5.12E+03	3.17
PCB-4 22'-DiCB	13.84	EMPC	1.0012	1.0011	-0.1	1.73E+06	1.27	0.98	204	7.14E+03	6.43
PCB-10 26-DiCB	14.01	J	1.0136	1.0135	-0.1	1.54E+05	SI	1.39	12.9	7.14E+03	4.55
PCB-9 25-DiCB	15.77	J	1.0010	1.0009	-0.1	1.97E+05	SI	0.90	14.3	1.01E+04	7.47
PCB-7 24-DiCB	15.94		1.0112	1.0112	0	2.68E+05	SI	0.83	21.1	1.01E+04	8.11
PCB-6 23'-DiCB	16.17		1.0259	1.0258	-0.1	6.03E+05	SI	0.96	40.6	1.01E+04	6.94
PCB-5 23-DiCB	ND		1.0445					0.79	ND	1.01E+04	8.48
PCB-8 24'-DiCB	16.58		1.0520	1.0522	+0.2	2.19E+06	1.70	1.04	138	1.01E+04	6.46
PCB-14 35-DiCB	ND		0.9307					0.81	ND	1.01E+04	8.22
PCB-11 33'-DiCB	18.91		0.9711	0.9709	-0.2	2.47E+07	1.63	0.90	1,790	1.01E+04	7.46
PCB-13/12 34'/34-DiCB	ND	C	0.9858					0.82	ND	1.01E+04	8.16
PCB-15 44'-DiCB	19.48		1.0007	1.0004	-0.4	6.45E+05	1.36	0.97	43.4	1.01E+04	6.92
PCB-19 22'6-TrCB	16.86		1.0011	1.0012	+0.1	5.07E+05	1.19	1.03	54.6	9.06E+03	7.98
PCB-30/18 246/22'5-TrCB	18.60	C	1.1030	1.1044	+1.6	1.76E+06	1.04	1.48	133	9.06E+03	5.58
PCB-17 22'4-TrCB	18.98		1.1270	1.1273	+0.3	1.10E+06	1.12	1.03	119	9.06E+03	8.04
PCB-27 23'6-TrCB	19.18	EMPC	1.1387	1.1391	+0.5	3.42E+05	1.22	1.42	26.9	9.06E+03	5.81
PCB-24 236-TrCB	ND		1.1462					1.43	ND	9.06E+03	5.77
PCB-16 22'3-TrCB	19.41		1.1524	1.1528	+0.5	6.02E+05	1.06	1.03	65.5	9.06E+03	8.04
PCB-32 24'6-TrCB	19.88		1.1803	1.1806	+0.4	1.10E+06	1.02	1.59	77.1	9.06E+03	5.18
PCB-34 23'5'-TrCB	ND		0.8163					0.95	ND	9.27E+03	7.31
PCB-23 235-TrCB	ND		0.8218					0.97	ND	9.27E+03	7.16
PCB-26/29 23'5/245-TrCB	21.44	C	0.8330	0.8316	-1.8	5.62E+05	1.10	0.96	41.1	9.27E+03	7.25
PCB-25 23'4-TrCB	21.66	J	0.8409	0.8401	-1.0	3.37E+05	0.98	1.19	19.9	9.27E+03	5.86
PCB-31 24'5-TrCB	21.94		0.8517	0.8511	-0.8	1.98E+06	1.04	1.16	120	9.27E+03	6.02
PCB-28/20 244'/233'-TrCB	22.21	C	0.8626	0.8615	-1.5	2.30E+06	1.05	1.06	153	9.27E+03	6.6
PCB-21/33 234/23'4'-TrCB	22.42	C	0.8696	0.8699	+0.4	1.08E+06	1.08	1.04	73.1	9.27E+03	6.71
PCB-22 234'-TrCB	22.79		0.8845	0.8839	-0.8	6.02E+05	1.15	1.11	38	9.27E+03	6.26
PCB-36 33'5-TrCB	ND		0.9378					1.15	ND	9.27E+03	6.06
PCB-39 34'5-TrCB	ND		0.9504					1.02	ND	9.27E+03	6.82
PCB-38 345-TrCB	ND		0.9706					1.05	ND	9.27E+03	6.62
PCB-35 33'4-TrCB	25.44	J EMPC	0.9865	0.9867	+0.3	1.17E+05	1.30	0.99	8.29	9.27E+03	7.04
PCB-37 344'-TrCB	25.79	EMPC	1.0007	1.0004	-0.5	3.00E+05	0.80	1.03	20.4	9.27E+03	6.75
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.44E+03	2.18
PCB-50/53 22'46/22'56'-TeCB	21.68	J C	0.9120	0.9112	-1.0	3.59E+05	0.74	0.93	29.9	3.58E+03	3.25
PCB-45 22'36'-TeCB	22.27	J	0.9369	0.9361	-1.1	1.86E+05	0.74	0.78	18.3	3.58E+03	3.85
PCB-51 22'46'-TeCB	22.34		0.9395	0.9391	-0.5	4.95E+05	0.83	0.94	40.7	3.58E+03	3.21
PCB-46 22'36'-TeCB	22.57	J EMPC	0.9488	0.9486	-0.3	1.05E+05	0.95	0.74	10.8	3.58E+03	4.05
PCB-52 22'55'-TeCB	23.82		1.0010	1.0011	+0.1	3.17E+06	0.76	1.02	239	3.58E+03	2.94
PCB-73 23'5'6'-TeCB	ND		1.0061					1.27	ND	3.58E+03	2.37

Lab ID: MB1_21458_PCB_SDS
Client ID: Method Blank B9847_21458
Datafile: 241007B14

ACQ: 08-Oct-2024 06:17:23 JLJ
UTP: 11-Oct-2024 12:38:05 JLJ
RPT: 11-Oct-2024 12:41 JJ

Wt/Vol: 1
J-level: 20 pg Split: 2
Std (pg): JS: 2000 ES: 4000 CS/SS: 4000

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD
Checkcode: 801-948-TMN/C
Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.02	J EMPC	1.0100	1.0097	-0.4	5.78E+04	0.58	0.91	4.91	3.58E+03	3.32
PCB-69/49 23'46/22'45'-TeCB	24.25	C	1.0181	1.0193	+1.7	1.34E+06	0.82	1.06	97.3	3.58E+03	2.84
PCB-48 22'45'-TeCB	24.50		1.0299	1.0297	-0.3	2.65E+05	0.70	0.89	23	3.58E+03	3.4
PCB-44/47/65 ...-TeCB	24.73	C	1.0391	1.0392	+0.1	3.22E+06	0.82	1.02	244	3.58E+03	2.96
PCB-59/62/75 ...-TeCB	25.00	J C	1.0505	1.0506	+0.1	1.68E+05	0.82	1.17	11.1	3.58E+03	2.58
PCB-42 22'34'-TeCB	25.18		1.0580	1.0582	+0.3	3.30E+05	0.84	0.80	31.8	3.58E+03	3.76
PCB-41 22'34'-TeCB	25.51	J EMPC	1.0720	1.0721	+0.2	6.56E+04	1.47	0.71	7.11	3.58E+03	4.23
PCB-71/40 23'4'6/22'33'-TeCB	25.61	C	1.0761	1.0762	+0.2	6.10E+05	0.80	0.98	48	3.58E+03	3.08
PCB-64 234'6'-TeCB	25.80		1.0844	1.0845	+0.2	7.37E+05	0.77	1.20	47.4	3.58E+03	2.52
PCB-72 23'55'-TeCB	ND		0.8391					1.06	ND	6.06E+03	4.81
PCB-68 23'45'-TeCB	26.78	J	0.8471	0.8470	-0.2	1.73E+05	0.68	0.98	13.6	6.06E+03	5.21
PCB-57 233'5'-TeCB	ND		0.8589					1.01	ND	6.06E+03	5.04
PCB-58 233'5'-TeCB	ND		0.8655					1.12	ND	6.06E+03	4.56
PCB-67 23'45'-TeCB	ND		0.8702					1.18	ND	6.06E+03	4.33
PCB-63 234'5'-TeCB	ND		0.8775					0.91	ND	6.06E+03	5.59
PCB-61/70/74/76 ...-TeCB	28.04	C	0.8867	0.8869	+0.3	1.85E+06	0.83	1.05	136	6.06E+03	4.86
PCB-66 23'44'-TeCB	28.32		0.8958	0.8956	-0.3	8.70E+05	0.79	1.04	64.1	6.06E+03	4.88
PCB-55 233'4'-TeCB	ND		0.9006					1.10	ND	6.06E+03	4.63
PCB-56 233'4'-TeCB	28.91		0.9145	0.9142	-0.5	2.78E+05	0.78	1.02	20.9	6.06E+03	4.97
PCB-60 2344'-TeCB	29.10	J EMPC	0.9206	0.9204	-0.3	1.46E+05	0.99	0.88	12.7	6.06E+03	5.76
PCB-80 33'55'-TeCB	ND		0.9306					1.02	ND	6.06E+03	5.02
PCB-79 33'45'-TeCB	ND		0.9730					1.15	ND	6.06E+03	4.42
PCB-78 33'45'-TeCB	ND		0.9884					0.92	ND	6.06E+03	5.53
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	3.63E+03	2.59
PCB-96 22'366'-PeCB	ND		1.0146					0.97	ND	3.63E+03	2.68
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	4.64E+03	5.39
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	4.64E+03	6.42
PCB-95 22'35'6'-PeCB	27.26		0.9159	0.9156	-0.5	1.66E+06	0.54	0.72	191	4.64E+03	5.66
PCB-100/93 22'44'6/22'356'-PeCB	27.45	J C	0.9223	0.9219	-0.7	3.63E+04	0.58	0.72	4.19	4.64E+03	5.71
PCB-102 22'456'-PeCB	27.58	J	0.9261	0.9263	+0.3	8.94E+04	0.56	0.84	8.83	4.64E+03	4.88
PCB-98 22'34'6'-PeCB	ND		0.9284					0.84	ND	4.64E+03	4.87
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	4.64E+03	5.95
PCB-91 22'34'6'-PeCB	28.01		0.9411	0.9408	-0.5	2.74E+05	0.69	0.73	31.1	4.64E+03	5.6
PCB-84 22'33'6'-PeCB	28.22	EMPC	0.9479	0.9478	-0.2	4.05E+05	0.50	0.61	55.2	4.64E+03	6.72
PCB-89 22'346'-PeCB	ND		0.9617					0.73	ND	4.64E+03	5.61
PCB-121 23'45'6'-PeCB	ND		0.9725					1.10	ND	4.64E+03	3.73
PCB-92 22'355'-PeCB	29.29		0.9838	0.9839	+0.2	3.32E+05	0.63	0.68	40.7	4.64E+03	6.04
PCB-113/90/101 ...-PeCB	29.79	C	1.0000	1.0007	+1.3	1.93E+06	0.66	0.81	199	4.64E+03	5.08
PCB-83 22'33'5'-PeCB	30.20	J EMPC	1.0148	1.0145	-0.5	7.64E+04	0.81	0.54	11.7	4.64E+03	7.57
PCB-99 22'44'5'-PeCB	30.30		1.0176	1.0177	+0.2	7.62E+05	0.71	0.99	63.9	4.64E+03	4.14
PCB-112 233'56'-PeCB	30.39	J EMPC	1.0213	1.0209	-0.7	1.96E+04	0.74	1.14	1.43	4.64E+03	3.6

Lab ID: MB1_21458_PCB_SDS
Client ID: Method Blank B9847_21458
Datafile: 241007B14

ACQ: 08-Oct-2024 06:17:23 JLJ
UTP: 11-Oct-2024 12:38:05 JLJ
RPT: 11-Oct-2024 12:41 JJ

Wt/Vol: 1
J-level: 20 pg Split: 2
StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD
Checkcode: 801-948-TMN/C
Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.79	J C	1.0330	1.0341	+2.0	1.12E+06	0.59	0.88	106	4.64E+03	4.68
PCB-117 234'56-PeCB	31.30	J EMPC	1.0509	1.0514	+0.9	5.30E+04	0.52	0.85	5.16	4.64E+03	4.81
PCB-116/85 23456/22'344'-PeCB	31.37	J EMPC C	1.0538	1.0538	0	1.94E+05	0.81	0.84	19.2	4.64E+03	4.88
PCB-110 233'4'6-PeCB	31.51		1.0582	1.0585	+0.6	1.90E+06	0.62	1.09	144	4.64E+03	3.75
PCB-115 2344'6-PeCB	ND		1.0605					1.03	ND	4.64E+03	3.96
PCB-82 22'33'4-PeCB	31.79	J	1.0679	1.0679	0	1.12E+05	0.69	0.69	13.4	4.64E+03	5.94
PCB-111 233'55'-PeCB	ND		1.0779					0.95	ND	4.64E+03	4.3
PCB-120 23'455'-PeCB	ND		1.0913					1.15	ND	4.64E+03	3.57
PCB-108/124 ...-PeCB	ND	C	0.9915					0.91	ND	4.64E+03	4.49
PCB-107 233'4'5-PeCB	33.69	J EMPC	0.9976	0.9978	+0.4	5.36E+04	0.87	1.00	4.45	4.64E+03	4.1
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	4.64E+03	4.3
PCB-122 233'4'5'-PeCB	ND		1.0095					0.76	ND	4.64E+03	5.67
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	4.64E+03	4.45
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.26E+03	2.24
PCB-152 22'3566'-HxCB	ND		1.0072					0.98	ND	3.26E+03	2.18
PCB-150 22'34'66'-HxCB	ND		1.0118					0.84	ND	3.26E+03	2.53
PCB-136 22'33'66'-HxCB	30.24	EMPC	1.0228	1.0229	+0.2	3.71E+05	1.05	0.79	31.1	3.26E+03	2.69
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	3.26E+03	2.34
PCB-148 22'34'56'-HxCB	ND		1.0741					0.91	ND	3.26E+03	3.35
PCB-151/135 ...-HxCB	32.29	C	1.0925	1.0923	-0.4	5.94E+05	1.26	0.89	60.1	3.26E+03	3.45
PCB-154 22'44'56'-HxCB	ND		1.0987					0.95	ND	3.26E+03	3.21
PCB-144 22'345'6-HxCB	32.78	J EMPC	1.1082	1.1087	+1.0	6.17E+04	0.92	0.87	6.36	3.26E+03	3.51
PCB-147/149 ...-HxCB	33.07	C	1.1186	1.1186	0	1.34E+06	1.31	0.96	126	3.26E+03	3.2
PCB-134 22'33'56-HxCB	33.26	J EMPC	1.1248	1.1251	+0.6	5.09E+04	0.74	0.71	6.43	3.26E+03	4.3
PCB-143 22'3456'-HxCB	ND		1.1273					0.85	ND	3.26E+03	3.6
PCB-139/140 ...-HxCB	33.59	J EMPC C	1.1359	1.1362	+0.6	3.18E+04	1.95	0.93	3.1	3.26E+03	3.31
PCB-131 22'33'46-HxCB	ND		1.1421					0.80	ND	3.26E+03	3.81
PCB-142 22'3456-HxCB	ND		1.1468					0.78	ND	3.26E+03	3.91
PCB-132 22'33'46'-HxCB	34.16		1.1554	1.1556	+0.4	4.12E+05	1.16	0.81	45.9	3.26E+03	3.79
PCB-133 22'33'55'-HxCB	ND		1.1687					0.90	ND	3.26E+03	3.4
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	3.26E+03	3.06
PCB-146 22'34'55'-HxCB	35.12	J	0.9569	0.9569	0	1.96E+05	1.26	1.00	17.7	3.26E+03	3.08
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	3.26E+03	2.58
PCB-153/168 ...-HxCB	35.64	C	0.9717	0.9712	-1.1	1.00E+06	1.18	1.09	83	3.26E+03	2.82
PCB-141 22'3455'-HxCB	35.81	J EMPC	0.9761	0.9760	-0.2	1.61E+05	1.71	0.79	18.4	3.26E+03	3.89
PCB-130 22'33'45'-HxCB	ND		0.9856					0.67	ND	3.26E+03	4.59
PCB-137 22'344'5-HxCB	ND		0.9907					0.71	ND	3.26E+03	4.29
PCB-164 233'4'5'6-HxCB	ND		0.9933					1.18	ND	3.26E+03	2.6
PCB-163/138/129 ...-HxCB	36.73	C	1.0011	1.0008	-0.7	9.36E+05	1.11	0.85	99.5	3.26E+03	3.62
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	3.26E+03	3.08
PCB-158 233'44'6-HxCB	37.05	J EMPC	1.0097	1.0097	0	1.17E+05	1.02	1.09	9.72	3.26E+03	2.82

Lab ID: MB1_21458_PCB_SDS
Client ID: Method Blank B9847_21458
Datafile: 241007B14

ACQ: 08-Oct-2024 06:17:23 JLJ
UTP: 11-Oct-2024 12:38:05 JLJ
RPT: 11-Oct-2024 12:41 JJ

Wt/Vol: 1
J-level: 20 pg Split: 2
StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD
Checkcode: 801-948-TMN/C
Method 1668C

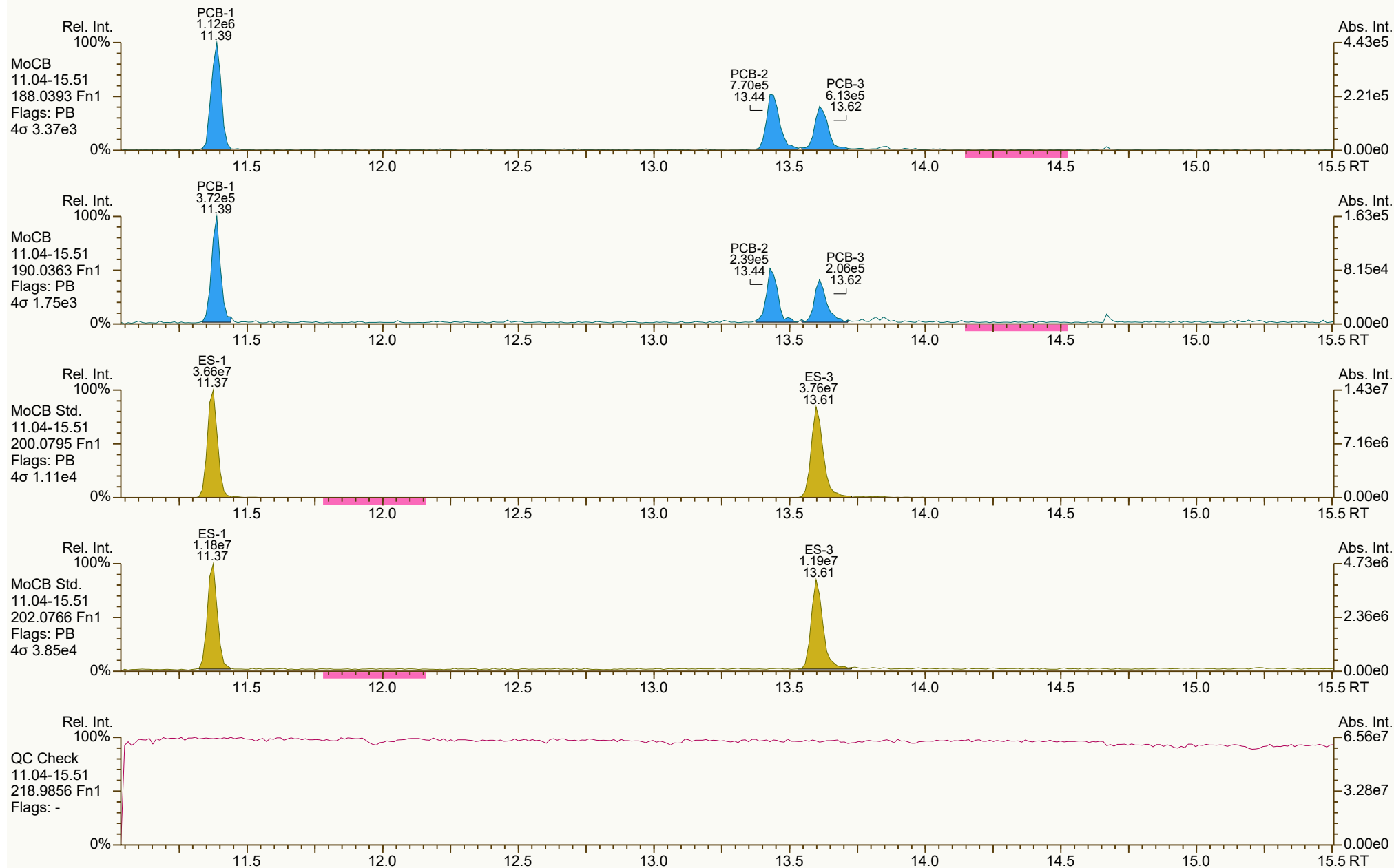
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.81	J EMPC C	0.9631	0.9633	+0.5	7.38E+04	1.60	0.90	8.92	3.01E+03	3.9
PCB-159 233'455'-HxCB	ND		0.9839					1.13	ND	3.01E+03	3.09
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	3.01E+03	3.7
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	3.41E+03	2.74
PCB-179 22'33'566'-HpCB	34.79	J	1.0095	1.0095	0	2.22E+05	1.12	1.02	16.5	3.41E+03	2.57
PCB-184 22'344'66'-HpCB	ND		1.0221					0.95	ND	3.41E+03	2.77
PCB-176 22'33'466'-HpCB	35.55	J	1.0313	1.0315	+0.4	6.52E+04	1.03	0.86	5.78	3.41E+03	3.07
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	3.41E+03	2.55
PCB-178 22'33'55'6-HpCB	37.07	J	1.0758	1.0757	-0.2	6.34E+04	1.10	0.66	7.28	3.41E+03	3.97
PCB-175 22'33'45'6-HpCB	ND		1.0915					0.97	ND	3.96E+03	5.45
PCB-187 22'34'55'6-HpCB	37.85		1.0982	1.0983	+0.2	2.24E+05	1.07	1.21	24.4	3.96E+03	4.38
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	3.96E+03	4.53
PCB-183 22'344'5'6-HpCB	38.38	J	1.1133	1.1136	+0.7	1.35E+05	0.99	1.00	17.7	3.96E+03	5.29
PCB-185 22'3455'6-HpCB	ND		1.1161					0.94	ND	3.96E+03	5.63
PCB-174 22'33'456'-HpCB	38.59		1.1195	1.1197	+0.5	1.69E+05	1.03	1.02	21.8	3.96E+03	5.2
PCB-177 22'33'45'6'-HpCB	38.97	J	1.1304	1.1307	+0.7	8.85E+04	1.05	0.98	11.8	3.96E+03	5.4
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	3.96E+03	5.14
PCB-171/173 ...-HpCB	ND	C	1.1458					0.88	ND	3.96E+03	6.01
PCB-172 22'33'455'-HpCB	ND		0.9058					0.86	ND	3.96E+03	6.17
PCB-192 233'455'6-HpCB	ND		0.9112					1.22	ND	3.96E+03	4.36
PCB-180/193 ...-HpCB	41.41	J C	0.9175	0.9180	+1.2	2.25E+05	1.04	1.01	29.2	3.96E+03	5.25
PCB-191 233'44'5'6-HpCB	ND		0.9247					1.05	ND	3.96E+03	5.08
PCB-170 22'33'44'5-HpCB	42.51	J EMPC	0.9422	0.9422	0	5.69E+04	1.20	0.93	9.77	3.96E+03	7.13
PCB-190 233'44'56-HpCB	ND		0.9521					1.27	ND	3.96E+03	5.26
PCB-202 22'33'55'66'-OcCB	ND		1.0006					0.96	ND	2.23E+03	2.25
PCB-201 22'33'45'66'-OcCB	ND		1.0206					0.79	ND	2.23E+03	2.72
PCB-204 22'344'566'-OcCB	ND		1.0353					0.91	ND	2.23E+03	2.36
PCB-197 22'33'44'66'-OcCB	ND		1.0403					0.83	ND	2.23E+03	2.59
PCB-200 22'33'4566'-OcCB	40.70	J EMPC	1.0430	1.0430	0	2.06E+04	1.07	0.81	2.47	2.23E+03	2.67
PCB-198/199 ...-OcCB	43.06	J EMPC C	1.1028	1.1034	+1.6	3.79E+04	0.74	0.63	5.78	2.23E+03	3.39
PCB-196 22'33'44'56'-OcCB	43.64	J	1.1176	1.1183	+1.8	2.91E+04	0.81	0.54	5.17	2.23E+03	3.95
PCB-203 22'344'55'6-OcCB	43.80	J EMPC	1.1219	1.1223	+1.1	2.73E+04	0.60	0.67	3.95	2.23E+03	3.22
PCB-195 22'33'44'56-OcCB	ND		0.9493					0.91	ND	2.43E+03	6.58
PCB-194 22'33'44'55'-OcCB	ND		0.9912					0.86	ND	2.43E+03	6.95
PCB-205 233'44'55'6-OcCB	ND		1.0004					0.92	ND	2.43E+03	6.49
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	3.26E+03	5.33
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.87	ND	3.26E+03	5.88
PCB-206 22'33'44'55'6-NoCB	ND		1.0005					0.93	ND	3.26E+03	11.9
AS PCB-32	19.86		1.2602	1.2601	-0.1	5.88E+07	1.05	0.84	70.3 %	50%	150%
AS PCB-97	30.718		1.0318	1.0318	0	3.60E+07	1.58	0.85	65.1 %	50%	150%
AS PCB-159	38.601		1.0518	1.0519	+0.2	5.19E+07	1.23	1.16	78.7 %	50%	150%



SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4780, 5270 scc: 801-948

Peak annotation: Areas, Centroids
Revised: 08-Oct-2024 14:27 (JLJ) Printed: 11-Oct-2024 12:57 Page 2 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



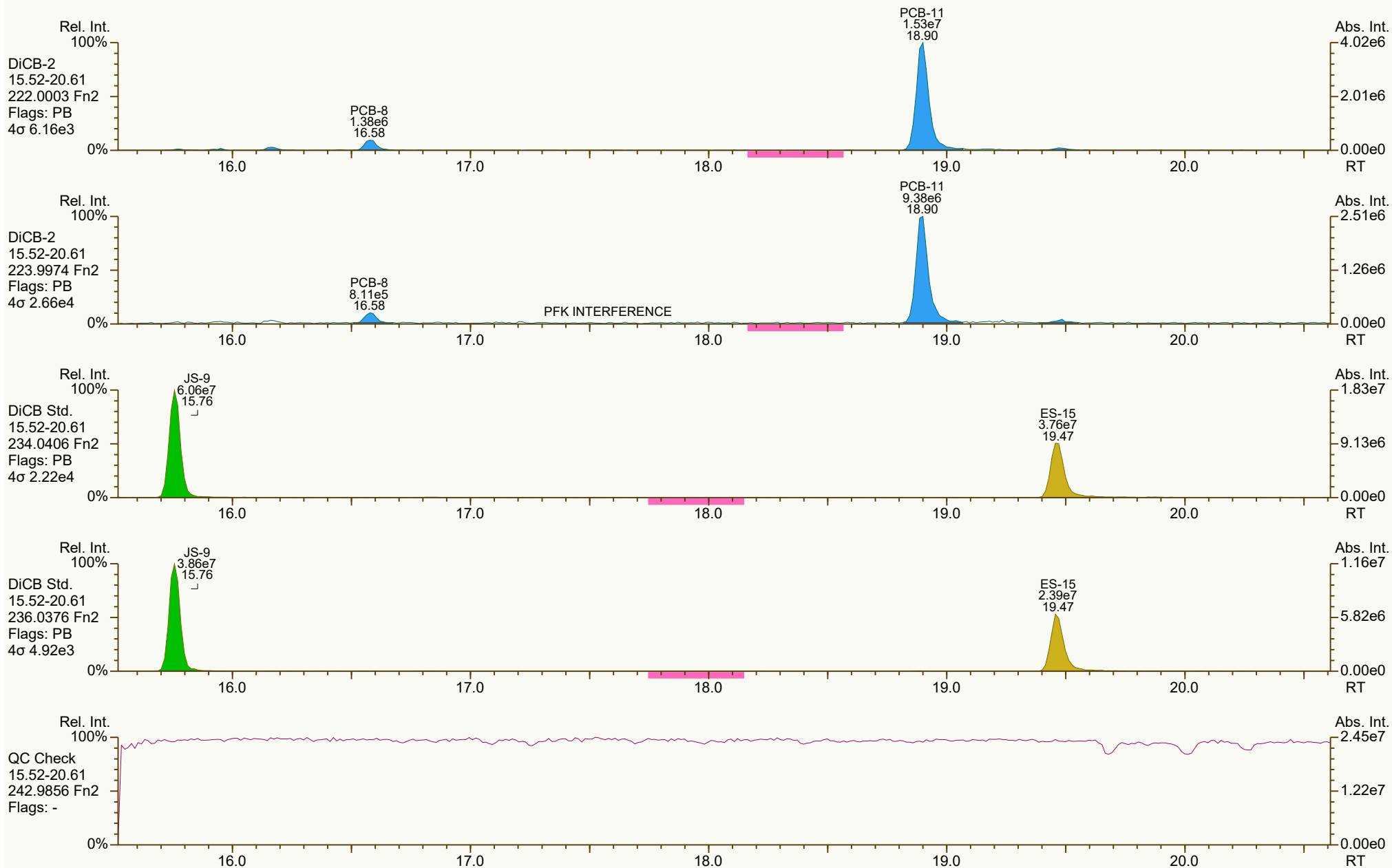
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5142, 3229 scc: 801-948

Peak annotation: Areas, Centroids
Revised: 10-Oct-2024 11:41 (JLJ) Printed: 11-Oct-2024 12:57 Page 3 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



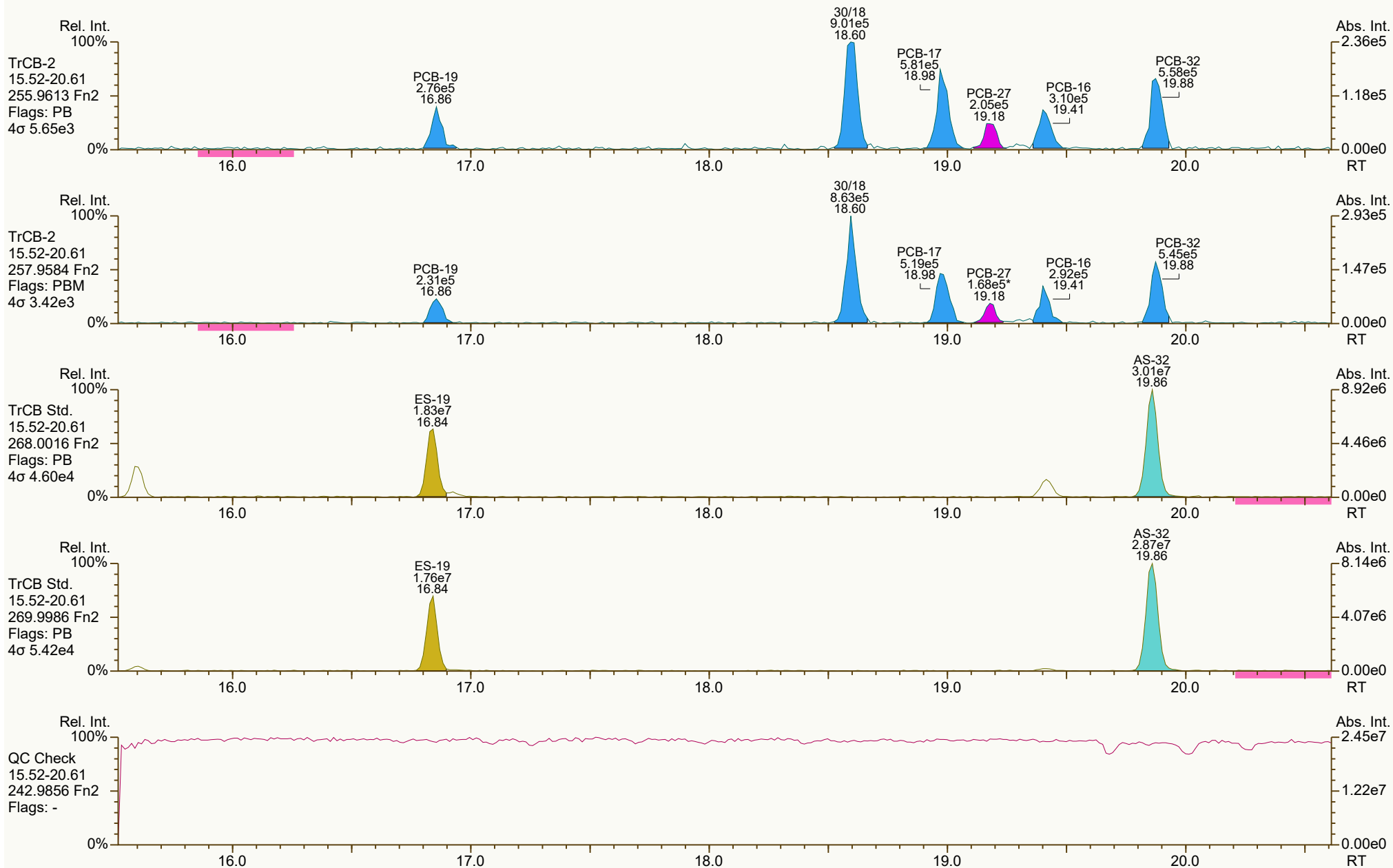
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8653, 2537 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 4 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



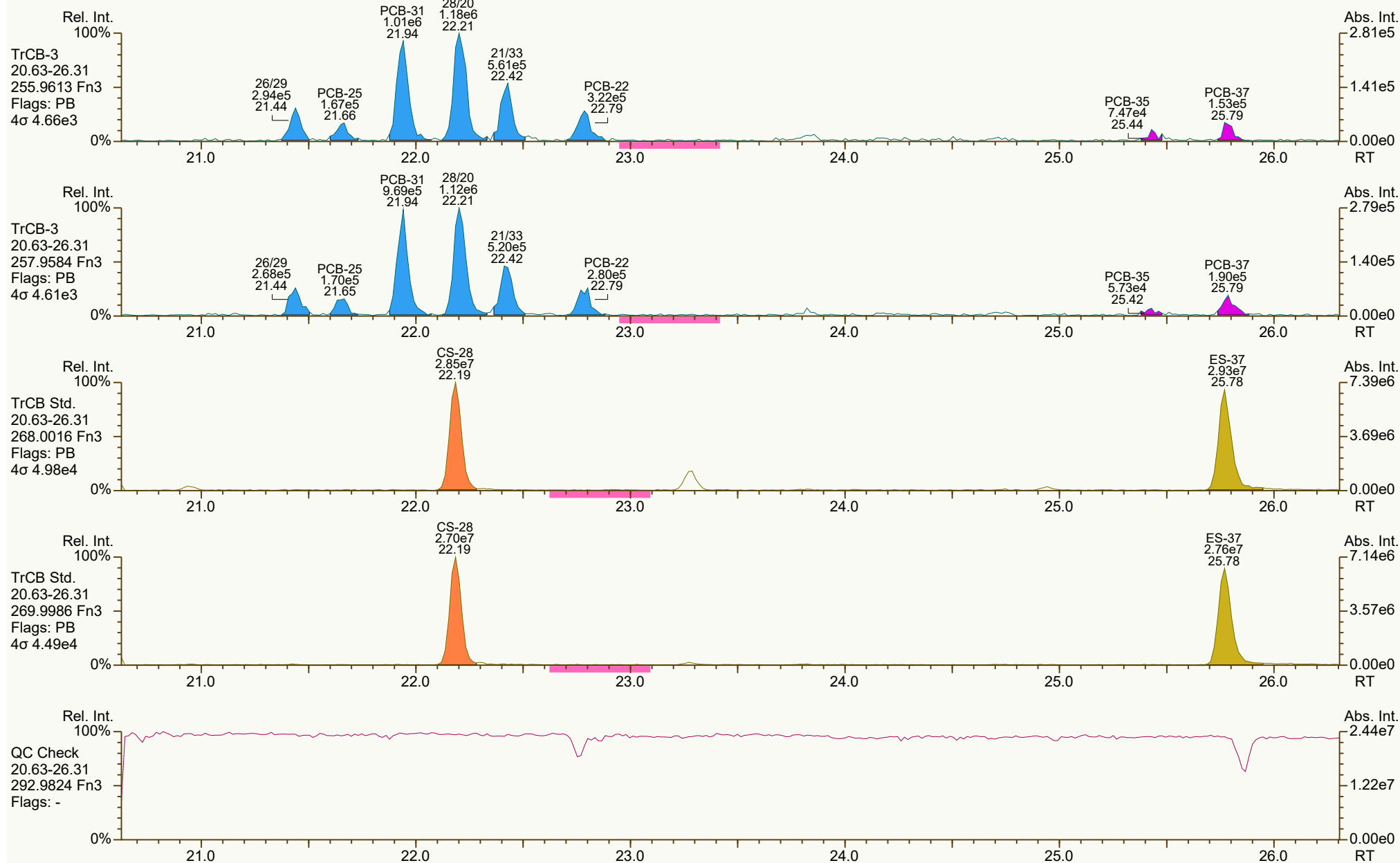
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ\USPF2H8K1K cc: 7255, 7607 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 5 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1240, 4342 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 6 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



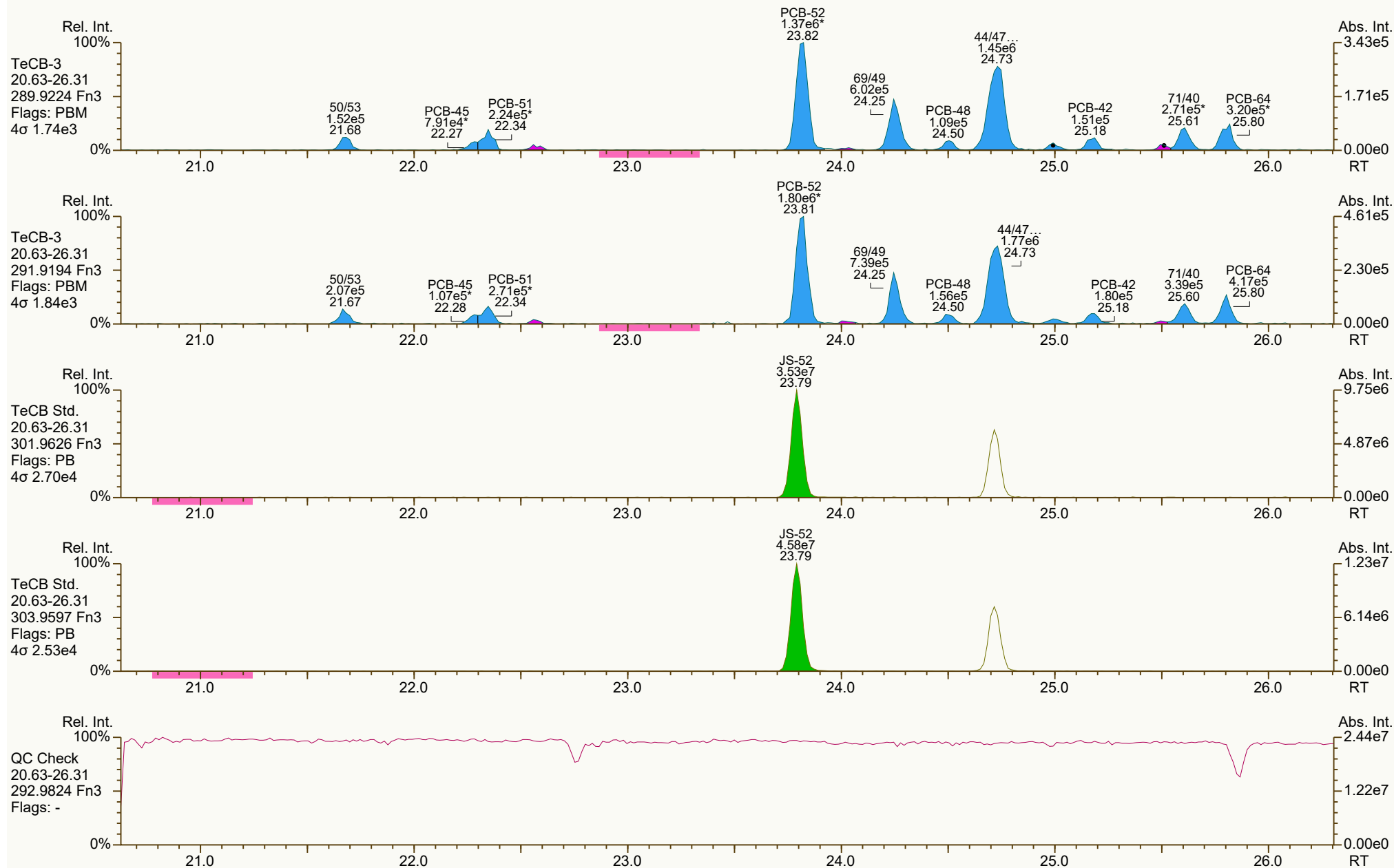
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5371, 0996 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 7 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



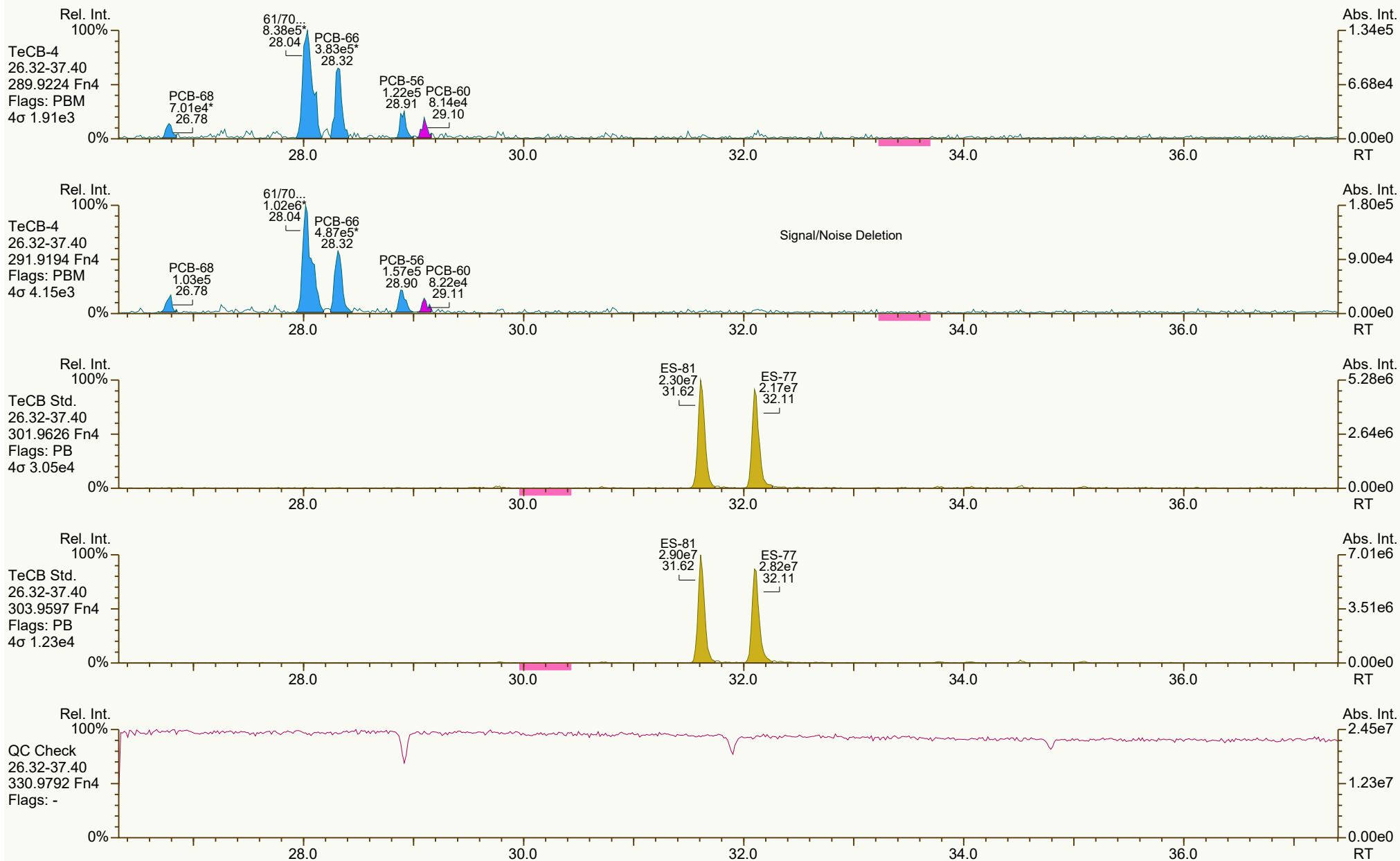
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9434, 8953 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 8 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8109, 9119 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 9 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



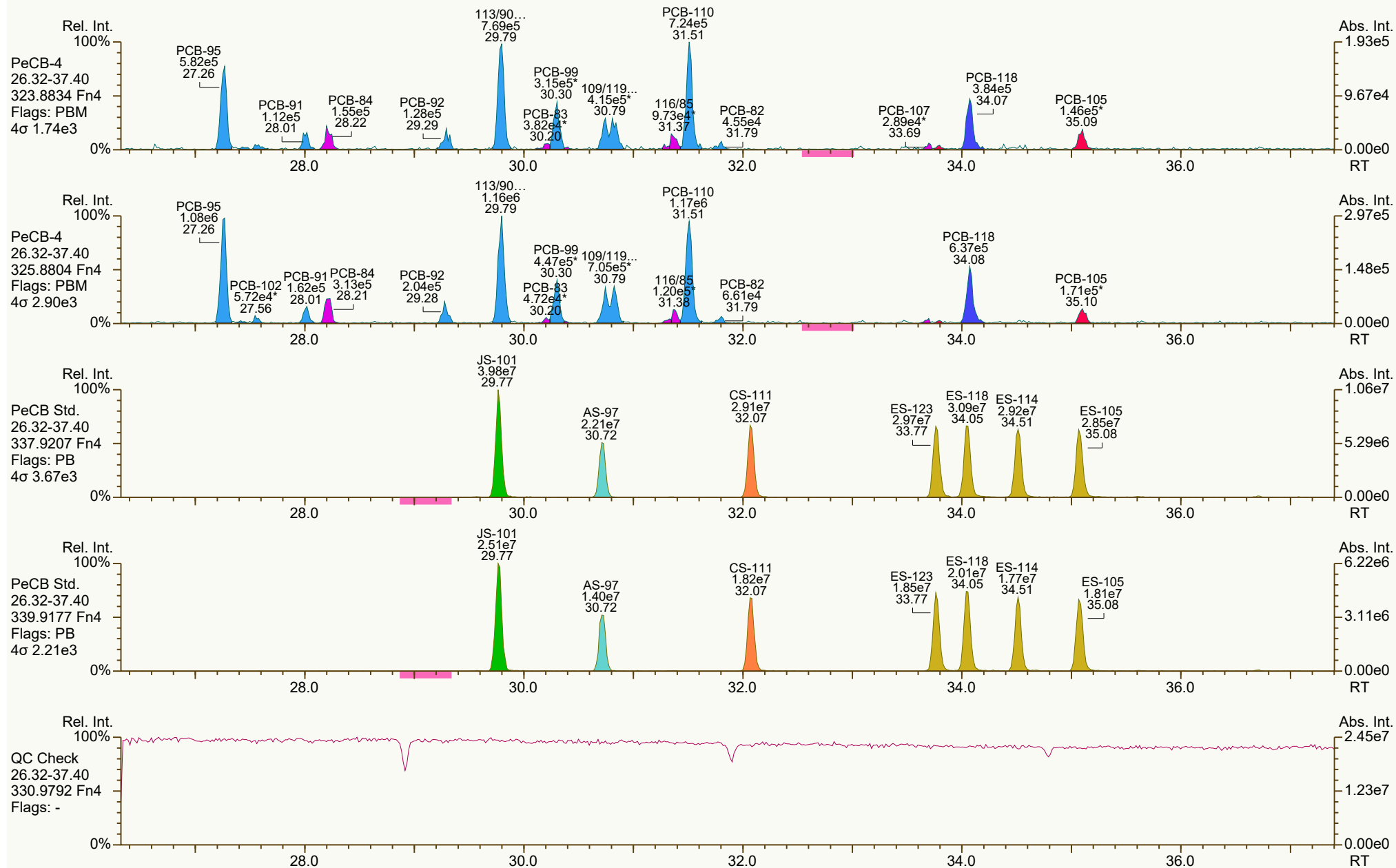
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7942, 7026 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 10 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



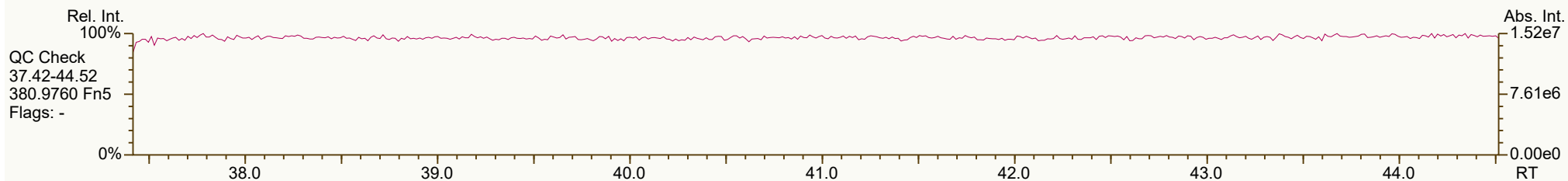
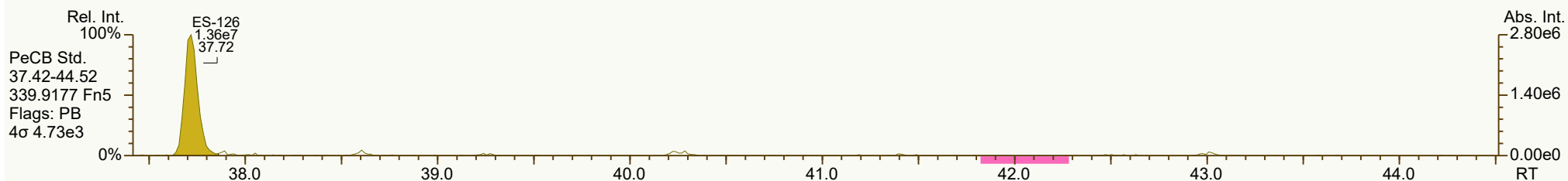
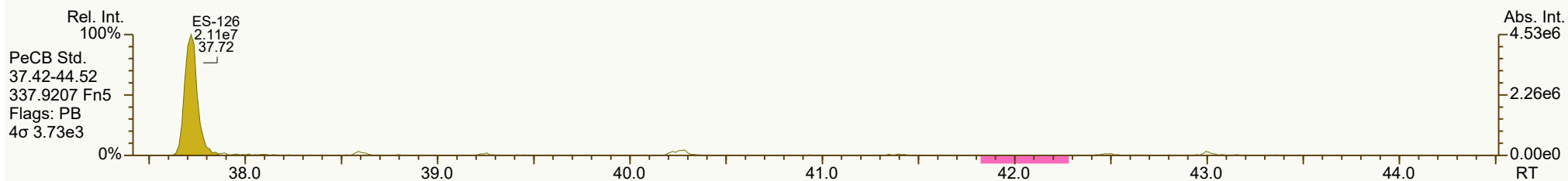
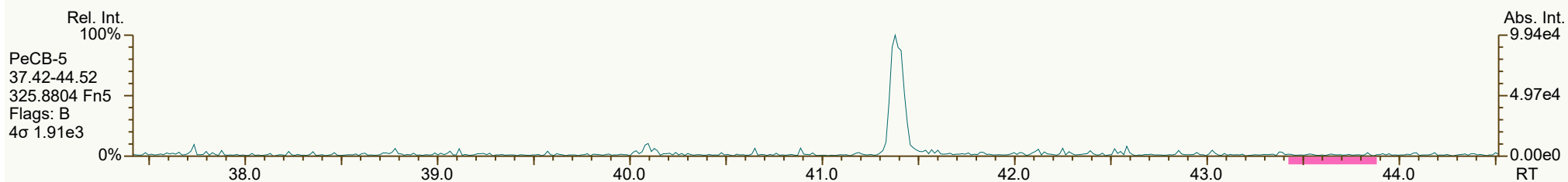
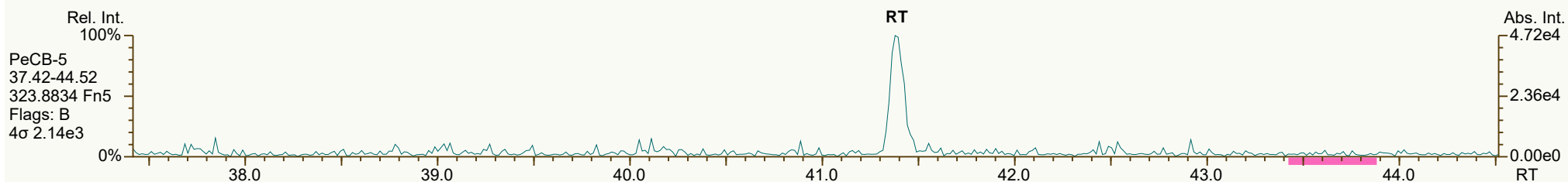
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ\USPF2H8K1K cc: 1783, 5208 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:57 Page 11 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



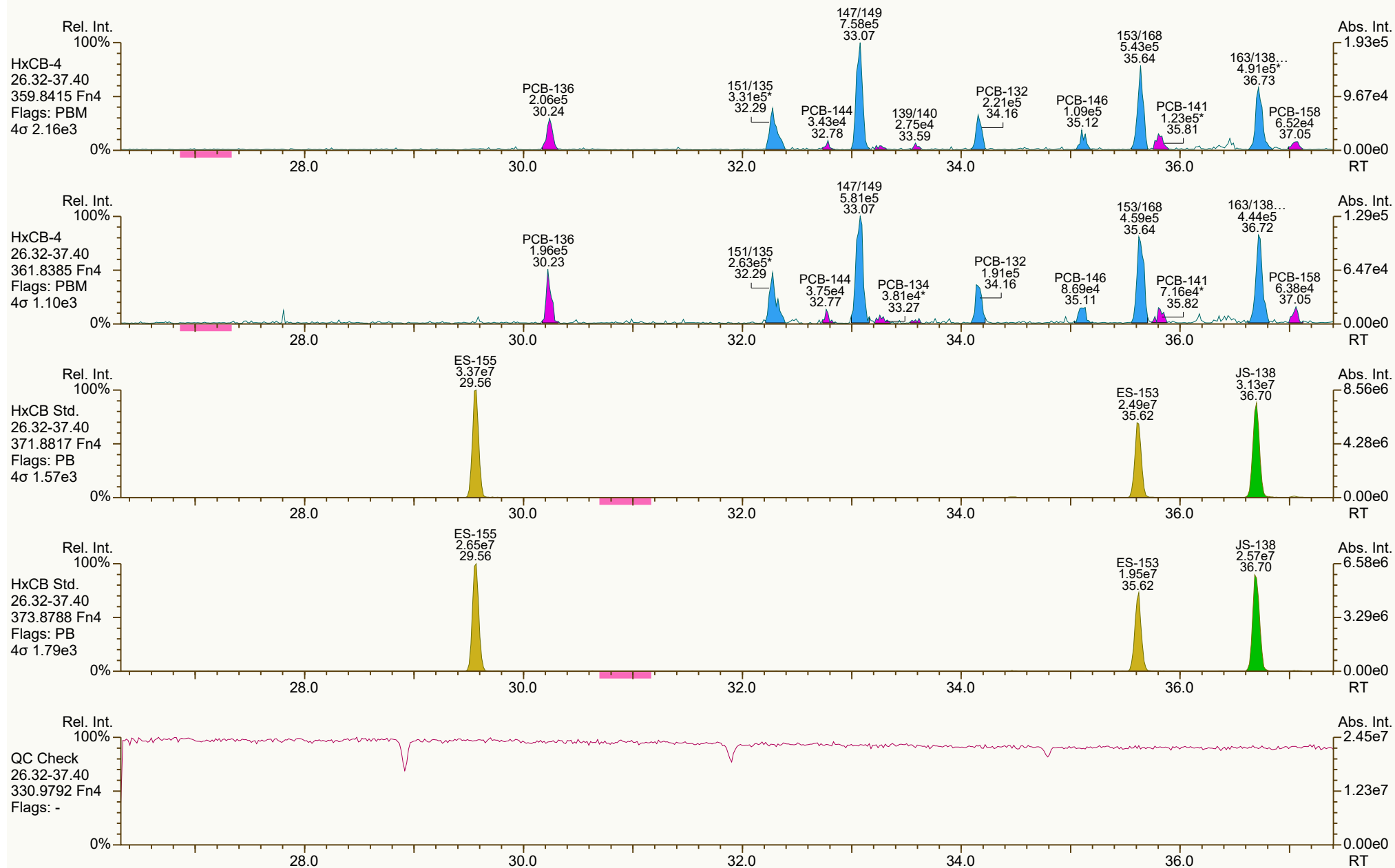
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7588, 8995 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 12 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0987, 8198 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 13 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9033, 4276 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 14 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8914, 1530 scc: 801-948

Peak annotation: Areas, Centroids
Revised: 10-Oct-2024 11:51 (JLJ) Printed: 11-Oct-2024 12:58 Page 15 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1701, 0208 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 16 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



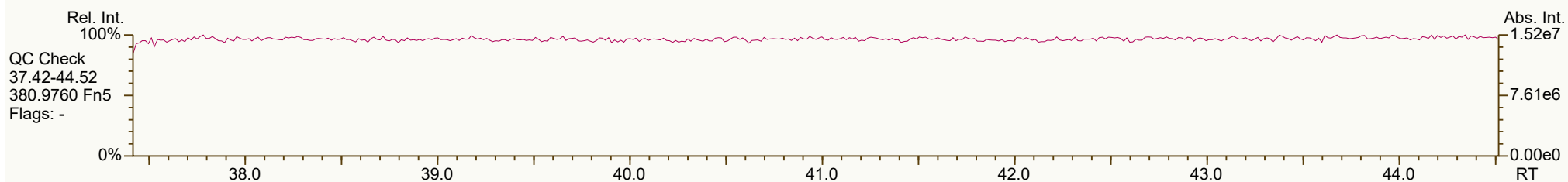
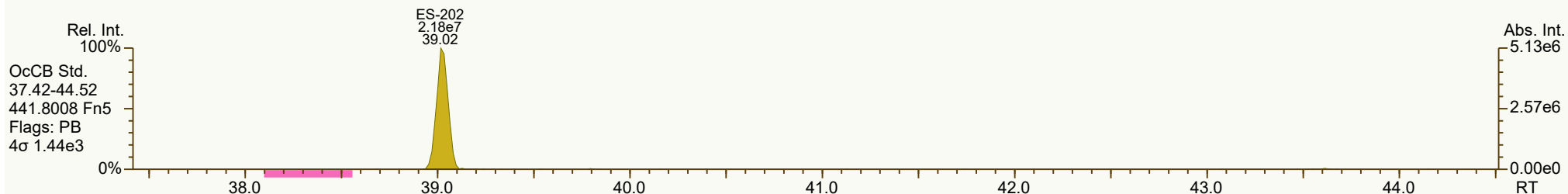
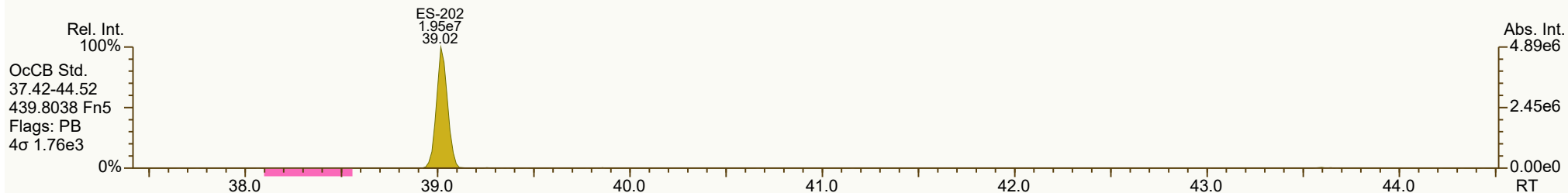
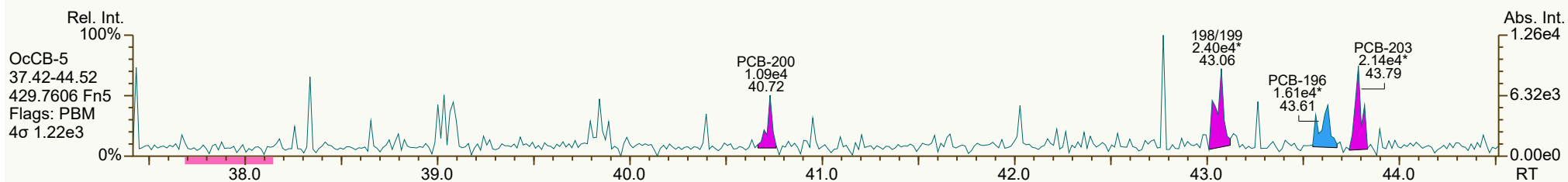
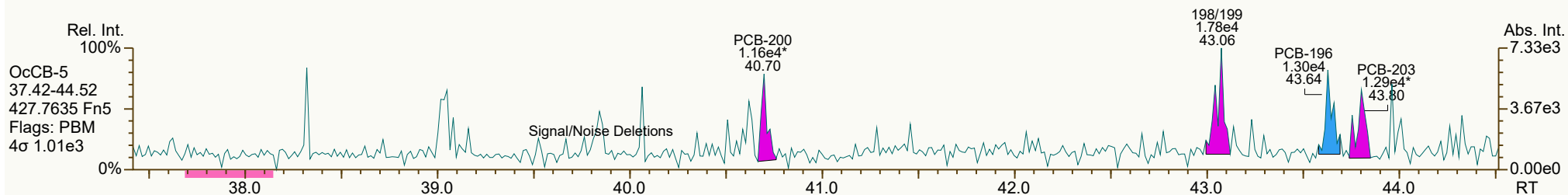
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8482, 1301 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 17 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



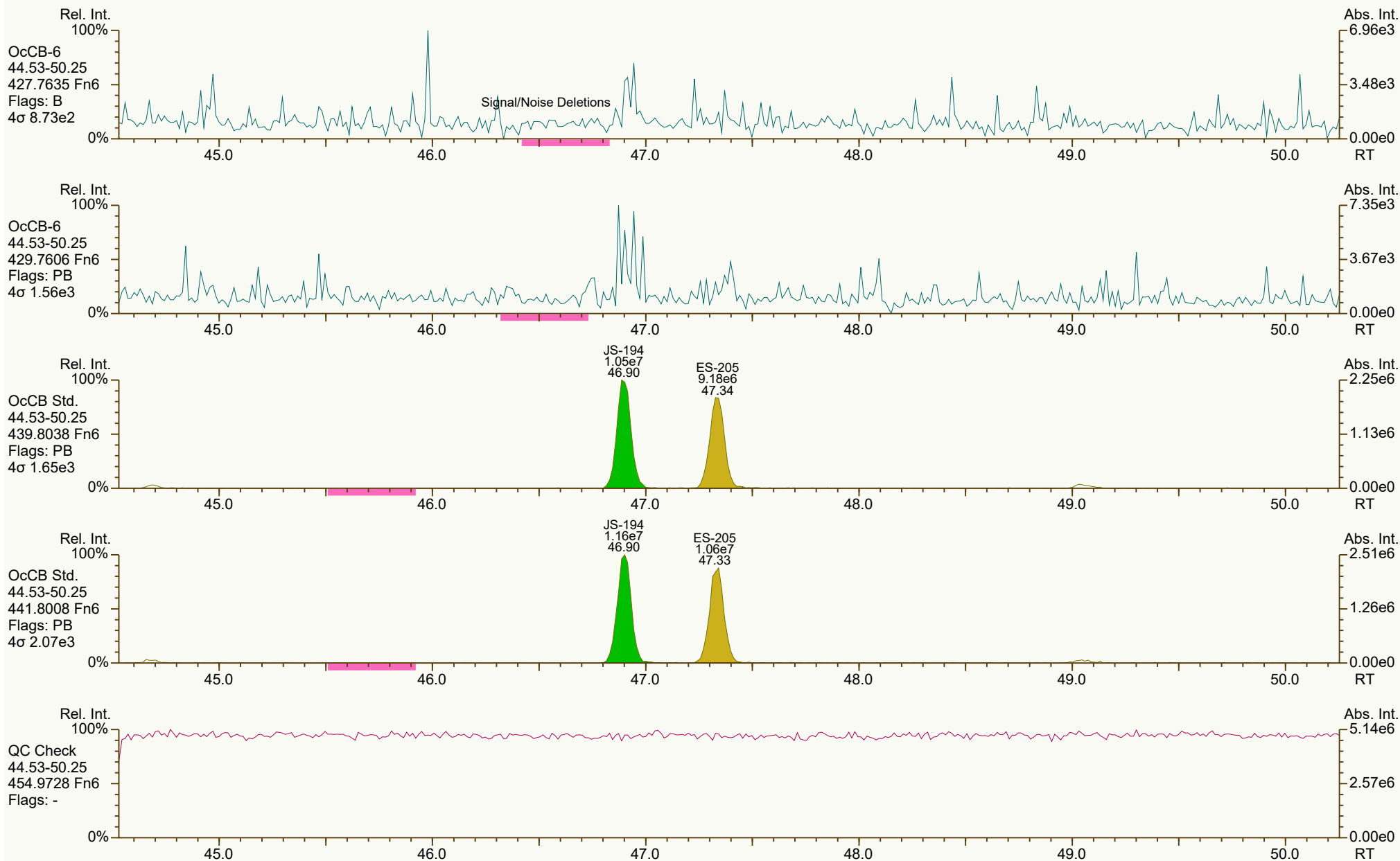
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7337, 0942 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 18 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



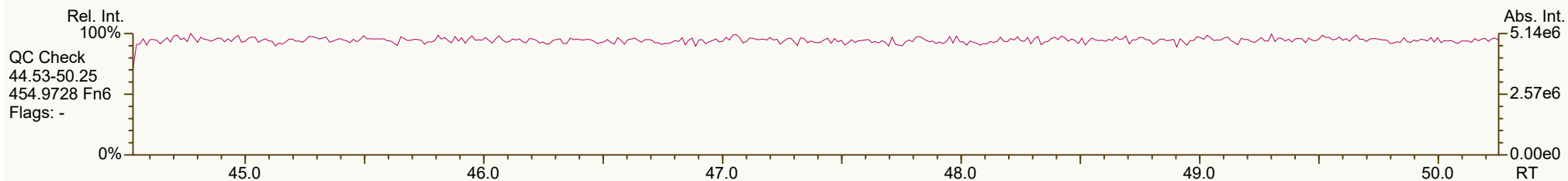
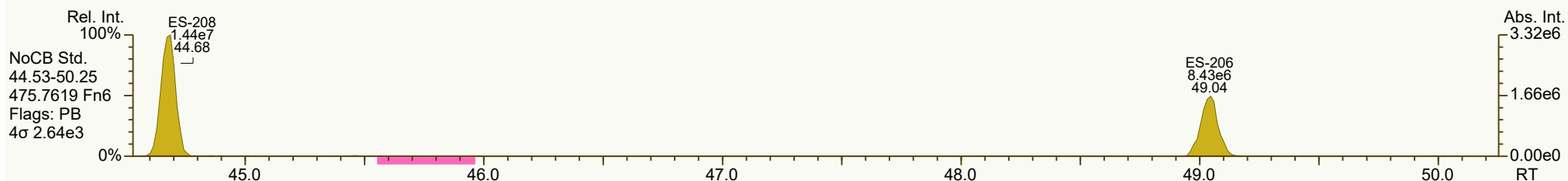
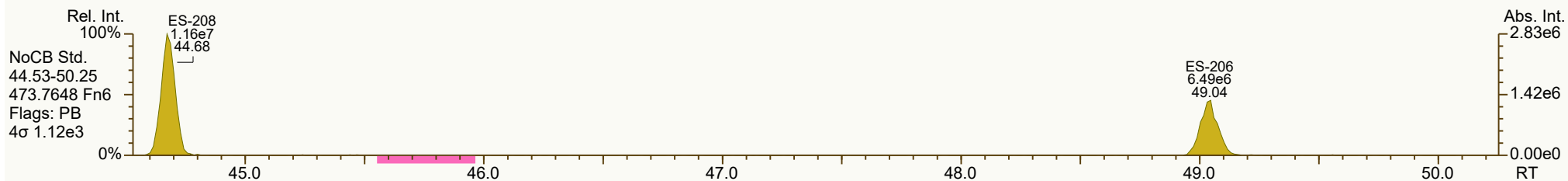
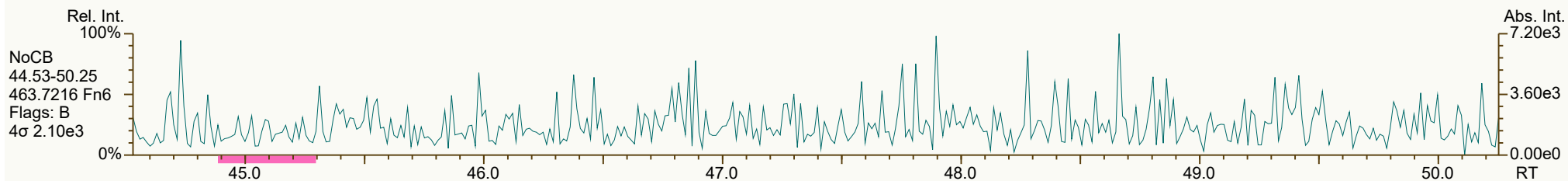
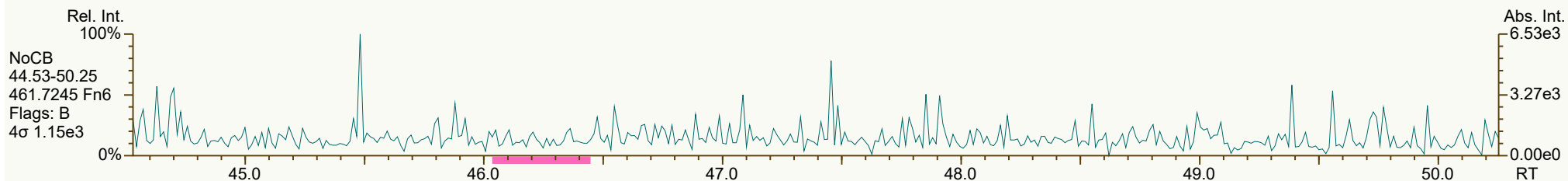
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1802, 0290 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 19 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3107, 1692 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 20 of 21

SGS ID: MB1_21458_PCB_SDS
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 53

Acq: 08-Oct-2024 06:17:23
User: JLJ Datafile: 241007B14



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\MB1_21458_PCB_SDS.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4756, 6559 scc: 801-948

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 12:03 Printed: 11-Oct-2024 12:58 Page 21 of 21

Lab ID: B9847_21458_PCB_001

ACQ: 08-Oct-2024 07:16:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill on

UTP: 11-Oct-2024 12:38:07 JLJ

J-level: 20 pg Split: 2

Checkcode: 889-250-WGP/C

Datafile: 241007B15

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.15	EMPC	1.0006	1.0004	-0.4	3.45E+05	0.97	0.95	29.2	7.51E+03	6.85
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	7.51E+03	6.77
PCB-105 233'44'-PeCB	35.11	B	1.0006	1.0007	+0.2	8.03E+05	0.65	0.97	67.6	7.97E+03	7.11
PCB-114 2344'5-PeCB	ND		1.0007					0.96	ND	7.97E+03	7.02
PCB-118 23'44'5-PeCB	34.09	B	1.0007	1.0007	0	2.46E+06	0.63	0.99	191	7.97E+03	6.78
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	7.97E+03	6.87
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	3.90E+03	4.39
PCB-156/157 ...-HxCB	40.26	J B EMPC C	1.0005	1.0002	-0.7	1.75E+05	1.44	0.96	18.7	4.69E+03	7.3
PCB-167 23'44'55'-HxCB	ND		1.0005					0.94	ND	4.69E+03	5.06
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	4.69E+03	6.34
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	2.21E+03	3.74
PCB-209 DeCB	50.85	J	1.0005	1.0005	0	8.45E+04	1.30	0.95	19.4	1.94E+03	6.6
ES PCB-1	11.45		0.7219	0.7207	-0.8	7.00E+06	3.16	1.19	12.9 %	5%	145%
ES PCB-3	13.69		0.8628	0.8618	-0.8	1.83E+07	2.90	1.13	35.6 %	5%	145%
ES PCB-4	13.98		0.8777	0.8800	+1.9	9.72E+06	1.59	0.72	29.6 %	5%	145%
ES PCB-15	19.59		1.2345	1.2330	-1.8	1.10E+07	1.59	1.07	22.6 %	5%	145%
ES PCB-19	16.99		1.0688	1.0694	+0.6	1.10E+07	1.03	0.65	37.4 %	5%	145%
ES PCB-37	25.85		1.0824	1.0807	-2.6	2.21E+07	1.08	1.40	30.1 %	5%	145%
ES PCB-54	19.87		0.8288	0.8306	+2.1	1.21E+07	0.79	1.23	18.8 %	5%	145%
ES PCB-77	32.13		1.3483	1.3433	-9.6	4.99E+07	0.83	1.28	74.5 %	10%	145%
ES PCB-81	31.65		1.3278	1.3229	-9.3	4.94E+07	0.82	1.33	71.1 %	10%	145%
ES PCB-104	24.75		0.8278	0.8299	+3.1	3.34E+07	1.63	1.32	42.9 %	10%	145%
ES PCB-105	35.08		1.1779	1.1766	-2.7	4.90E+07	1.62	1.26	65.9 %	10%	145%
ES PCB-114	34.52		1.1590	1.1579	-2.3	4.97E+07	1.67	1.34	62.5 %	10%	145%
ES PCB-118	34.06		1.1434	1.1423	-2.2	5.22E+07	1.54	1.31	67.2 %	10%	145%
ES PCB-123	33.78		1.1339	1.1329	-2.0	4.81E+07	1.56	1.27	64 %	10%	145%
ES PCB-126	37.72		1.2663	1.2651	-2.7	3.85E+07	1.63	1.19	54.7 %	10%	145%
ES PCB-153	35.62		0.9706	0.9707	+0.2	4.77E+07	1.26	1.11	69.8 %	10%	145%
ES PCB-155	29.61		0.8059	0.8069	+1.8	5.29E+07	1.26	1.45	59.3 %	10%	145%
ES PCB-156/157	40.25	C	1.0967	1.0968	+0.2	7.81E+07	1.30	1.24	51.3 %	10%	145%
ES PCB-167	39.25		1.0695	1.0695	0	4.22E+07	1.26	1.29	53.2 %	10%	145%
ES PCB-169	43.00		1.1714	1.1717	+0.8	3.40E+07	1.27	1.18	46.8 %	10%	145%
ES PCB-170	42.48		0.9058	0.9058	0	2.97E+07	1.01	1.06	109 %	10%	145%
ES PCB-180	41.39		0.8827	0.8826	-0.2	3.70E+07	1.06	1.25	115 %	10%	145%
ES PCB-188	34.47		0.9393	0.9394	+0.2	5.76E+07	1.05	1.36	68.8 %	10%	145%
ES PCB-189	45.11		0.9619	0.9619	0	2.71E+07	1.03	1.37	76.7 %	10%	145%
ES PCB-202	39.03		1.0635	1.0634	-0.2	4.81E+07	0.89	1.19	65.6 %	10%	145%
ES PCB-205	47.33		1.0093	1.0093	0	2.42E+07	0.91	1.23	76.3 %	10%	145%
ES PCB-206	49.04		1.0458	1.0457	-0.3	1.86E+07	0.80	0.89	81.1 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.68		0.9528	0.9526	-0.5	3.12E+07	0.76	1.26	96.3 %	10%	145%
ES PCB-209	50.83		1.0840	1.0838	-0.6	1.82E+07	1.20	0.98	72 %	10%	145%
SS PCB-28	22.32		0.9324	0.9332	+1.1	2.20E+07	1.06	1.04	96.2 %	5%	145%
SS PCB-111	32.10		1.0771	1.0765	-1.2	4.65E+07	1.53	0.98	98.3 %	10%	145%
SS PCB-178	37.06		1.0099	1.0099	0	3.80E+07	1.03	0.71	93.3 %	10%	145%
CS PCB-28	22.32		0.9324	0.9332	+1.1	2.20E+07	1.06	1.44	29.2 %	5%	145%
CS PCB-111	32.10		1.0771	1.0765	-1.2	4.65E+07	1.53	1.24	63.2 %	10%	145%
CS PCB-178	37.06		1.0099	1.0099	0	3.80E+07	1.03	0.96	64.3 %	10%	145%
JS PCB-9	15.89					4.54E+07	1.61				
JS PCB-52	23.92					5.23E+07	0.80				
JS PCB-101	29.82					5.92E+07	1.54				
JS PCB-138	36.70					6.15E+07	1.26				
JS PCB-194	46.90					2.58E+07	0.87				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	842,000	842,000	178		
						Di-CB	43,200	44,600	41		
						Tri-CB	4,560	4,830	26.7		
						Tetra-CB	1,730	1,800	6.3		
						Penta-CB	2,040	2,330	5.85		
						Hexa-CB	1,750	1,790	5.25		
						Hepta-CB	675	699	3.47		
						Octa-CB	92.2	128	2.75		
						Nona-CB	0	21.6	8.15		

Lab ID: B9847_21458_PCB_001

ACQ: 08-Oct-2024 07:16:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill on

UTP: 11-Oct-2024 12:38:07 JLJ

J-level: 20 pg Split: 2

Checkcode: 889-250-WGP/C

Datafile: 241007B15

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.47	E	1.0012	1.0014	+0.1	5.70E+08	3.12	1.01	324,000	3.16E+04	280
PCB-2 3-MoCB	13.52	E	0.9879	0.9873	-0.5	1.73E+09	3.09	1.02	371,000	3.16E+04	75.6
PCB-3 4-MoCB	13.70	E	1.0010	1.0009	-0.1	6.85E+08	3.08	1.01	148,000	3.16E+04	76
PCB-4 22'-DiCB	13.99	B	1.0012	1.0008	-0.3	4.01E+06	1.52	0.98	1,680	8.26E+03	30.1
PCB-10 26-DiCB	14.13		1.0136	1.0107	-2.5	1.46E+06	1.51	1.39	432	8.26E+03	21.3
PCB-9 25-DiCB	15.90		1.0010	1.0010	0	1.05E+07	1.55	0.90	4,240	1.20E+04	56
PCB-7 24-DiCB	16.05		1.0112	1.0103	-0.9	7.86E+06	1.58	0.83	3,460	1.20E+04	60.8
PCB-6 23'-DiCB	16.30		1.0259	1.0260	+0.1	2.57E+07	1.55	0.96	9,690	1.20E+04	52
PCB-5 23-DiCB	16.57	EMPC	1.0445	1.0430	-1.5	2.06E+06	1.82	0.79	950	1.20E+04	63.6
PCB-8 24'-DiCB	16.71		1.0520	1.0520	0	9.36E+06	1.59	1.04	3,280	1.20E+04	48.5
PCB-14 35-DiCB	18.26		0.9307	0.9320	+1.4	8.65E+06	1.59	0.81	3,860	1.20E+04	61.6
PCB-11 33'-DiCB	19.04	B	0.9711	0.9718	+0.8	2.08E+07	1.64	0.90	8,420	1.20E+04	55.9
PCB-13/12 34'/34-DiCB	19.32	C	0.9858	0.9862	+0.5	1.85E+07	1.51	0.82	8,180	1.20E+04	61.2
PCB-15 44'-DiCB	19.61	B EMPC	1.0007	1.0010	+0.4	1.13E+06	1.96	0.97	423	1.20E+04	51.9
PCB-19 22'6-TrCB	17.02	B EMPC	1.0011	1.0015	+0.4	5.21E+05	0.74	1.03	183	4.79E+03	18.3
PCB-30/18 246/22'5-TrCB	18.76	B C	1.1030	1.1042	+1.4	2.79E+06	1.01	1.48	686	4.79E+03	12.8
PCB-17 22'4-TrCB	19.13	B	1.1270	1.1258	-1.4	1.71E+06	0.95	1.03	604	4.79E+03	18.4
PCB-27 23'6-TrCB	19.31	B EMPC	1.1387	1.1366	-2.4	3.44E+05	0.77	1.42	87.8	4.79E+03	13.3
PCB-24 236-TrCB	19.44		1.1462	1.1440	-2.6	1.33E+05	1.15	1.43	33.7	4.79E+03	13.2
PCB-16 22'3-TrCB	19.54	B	1.1524	1.1498	-3.0	6.48E+05	1.10	1.03	229	4.79E+03	18.5
PCB-32 24'6-TrCB	20.04	B	1.1803	1.1794	-1.1	9.30E+05	1.06	1.59	212	4.79E+03	11.9
PCB-34 23'5'-TrCB	21.15		0.8163	0.8183	+2.5	3.94E+05	1.04	0.95	74.9	1.93E+04	38.1
PCB-23 235-TrCB	21.30		0.8218	0.8238	+2.6	1.57E+05	1.04	0.97	29.2	1.93E+04	37.3
PCB-26/29 23'5/245-TrCB	21.60	B C	0.8330	0.8354	+3.1	1.65E+06	1.01	0.96	311	1.93E+04	37.8
PCB-25 23'4-TrCB	21.80	B	0.8409	0.8433	+3.1	1.04E+06	0.95	1.19	158	1.93E+04	30.6
PCB-31 24'5-TrCB	22.08	B	0.8517	0.8539	+2.9	3.27E+06	1.08	1.16	513	1.93E+04	31.4
PCB-28/20 244'/233'-TrCB	22.35	B C	0.8626	0.8643	+2.3	3.26E+06	0.96	1.06	560	1.93E+04	34.4
PCB-21/33 234/23'4'-TrCB	22.54	B C	0.8696	0.8719	+3.1	2.10E+06	0.94	1.04	367	1.93E+04	35
PCB-22 234'-TrCB	22.92	B	0.8845	0.8864	+2.6	1.06E+06	0.96	1.11	173	1.93E+04	32.6
PCB-36 33'5-TrCB	24.27		0.9378	0.9387	+1.3	4.52E+05	1.04	1.15	71.2	1.93E+04	31.6
PCB-39 34'5-TrCB	24.58		0.9504	0.9508	+0.6	2.64E+05	1.07	1.02	46.8	1.93E+04	35.6
PCB-38 345-TrCB	25.10		0.9706	0.9710	+0.6	1.05E+06	1.02	1.05	180	1.93E+04	34.5
PCB-35 33'4-TrCB	25.51		0.9865	0.9869	+0.6	1.13E+06	1.07	0.99	206	1.93E+04	36.7
PCB-37 344'-TrCB	25.87	B	1.0007	1.0007	0	5.81E+05	1.04	1.03	102	1.93E+04	35.2
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.14E+03	11.9
PCB-50/53 22'46/22'56'-TeCB	21.83	J B C	0.9120	0.9124	+0.5	4.04E+05	0.71	0.93	35.4	3.42E+03	3.15
PCB-45 22'36'-TeCB	22.43	B	0.9369	0.9376	+0.9	3.68E+05	0.82	0.78	38.1	3.42E+03	3.72
PCB-51 22'46'-TeCB	22.49	B	0.9395	0.9400	+0.7	2.69E+05	0.82	0.94	23.2	3.42E+03	3.11
PCB-46 22'36'-TeCB	22.69	J B	0.9488	0.9487	-0.1	6.40E+04	0.85	0.74	6.97	3.42E+03	3.92
PCB-52 22'55'-TeCB	23.94	B	1.0010	1.0009	-0.1	5.20E+06	0.78	1.02	411	3.42E+03	2.85
PCB-73 23'5'6'-TeCB	ND		1.0061					1.27	ND	3.42E+03	2.29

Lab ID: B9847_21458_PCB_001

ACQ: 08-Oct-2024 07:16:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill on

UTP: 11-Oct-2024 12:38:07 JLJ

J-level: 20 pg Split: 2

Checkcode: 889-250-WGP/C

Datafile: 241007B15

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.13	J B	1.0100	1.0089	-1.6	1.60E+05	0.68	0.91	14.3	3.42E+03	3.21
PCB-69/49 23'46/22'45'-TeCB	24.37	B C	1.0181	1.0185	+0.6	1.71E+06	0.72	1.06	131	3.42E+03	2.75
PCB-48 22'45'-TeCB	24.61	B	1.0299	1.0286	-1.9	4.07E+05	0.85	0.89	37.2	3.42E+03	3.29
PCB-44/47/65 ...-TeCB	24.83	B C	1.0391	1.0379	-1.8	4.26E+06	0.78	1.02	339	3.42E+03	2.86
PCB-59/62/75 ...-TeCB	25.10	J B EMPC C	1.0505	1.0494	-1.7	2.93E+05	0.92	1.17	20.4	3.42E+03	2.5
PCB-42 22'34'-TeCB	25.28	B	1.0580	1.0567	-2.0	4.09E+05	0.77	0.80	41.3	3.42E+03	3.64
PCB-41 22'34'-TeCB	25.60	J B	1.0720	1.0701	-2.9	1.32E+05	0.86	0.71	15	3.42E+03	4.1
PCB-71/40 23'4'6/22'33'-TeCB	25.70	B C	1.0761	1.0744	-2.6	1.09E+06	0.71	0.98	90.2	3.42E+03	2.98
PCB-64 234'6'-TeCB	25.90	B	1.0844	1.0828	-2.5	6.75E+05	0.72	1.20	45.7	3.42E+03	2.44
PCB-72 23'55'-TeCB	ND		0.8391					1.06	ND	7.51E+03	6.03
PCB-68 23'45'-TeCB	ND		0.8471					0.98	ND	7.51E+03	6.53
PCB-57 233'5'-TeCB	ND		0.8589					1.01	ND	7.51E+03	6.33
PCB-58 233'5'-TeCB	27.43	J EMPC	0.8655	0.8668	+2.1	3.93E+04	0.60	1.12	2.85	7.51E+03	5.72
PCB-67 23'45'-TeCB	27.57	J EMPC	0.8702	0.8713	+1.8	1.06E+05	0.66	1.18	7.31	7.51E+03	5.43
PCB-63 234'5'-TeCB	27.81	J EMPC	0.8775	0.8788	+2.2	6.98E+04	0.60	0.91	6.2	7.51E+03	7.01
PCB-61/70/74/76 ...-TeCB	28.10	B C	0.8867	0.8880	+2.2	3.93E+06	0.80	1.05	303	7.51E+03	6.1
PCB-66 23'44'-TeCB	28.37	B	0.8958	0.8966	+1.4	1.59E+06	0.79	1.04	123	7.51E+03	6.12
PCB-55 233'4'-TeCB	ND		0.9006					1.10	ND	7.51E+03	5.81
PCB-56 233'4'-TeCB	28.96	B	0.9145	0.9150	+0.9	4.58E+05	0.77	1.02	36.2	7.51E+03	6.24
PCB-60 2344'-TeCB	29.15	B	0.9206	0.9210	+0.7	3.73E+05	0.67	0.88	34.2	7.51E+03	7.23
PCB-80 33'55'-TeCB	ND		0.9306					1.02	ND	7.51E+03	6.29
PCB-79 33'45'-TeCB	30.82	J EMPC	0.9730	0.9738	+1.5	1.76E+05	0.98	1.15	12.3	7.51E+03	5.54
PCB-78 33'45'-TeCB	ND		0.9884					0.92	ND	7.51E+03	6.93
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.61E+03	2.94
PCB-96 22'366'-PeCB	25.09	J EMPC	1.0146	1.0139	-1.1	4.59E+04	0.49	0.97	5.67	2.61E+03	3.04
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	7.97E+03	8.67
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	7.97E+03	10.3
PCB-95 22'35'6'-PeCB	27.34	B	0.9159	0.9169	+1.6	3.20E+06	0.58	0.72	368	7.97E+03	9.11
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.72	ND	7.97E+03	9.18
PCB-102 22'456'-PeCB	27.65	J B	0.9261	0.9272	+1.8	1.32E+05	0.63	0.84	13.1	7.97E+03	7.85
PCB-98 22'34'6'-PeCB	ND		0.9284					0.84	ND	7.97E+03	7.83
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	7.97E+03	9.58
PCB-91 22'34'6'-PeCB	28.08	B	0.9411	0.9418	+1.2	5.02E+05	0.62	0.73	57.1	7.97E+03	9.01
PCB-84 22'33'6'-PeCB	28.28	B EMPC	0.9479	0.9485	+1.0	8.13E+05	0.74	0.61	111	7.97E+03	10.8
PCB-89 22'346'-PeCB	ND		0.9617					0.73	ND	7.97E+03	9.02
PCB-121 23'45'6'-PeCB	ND		0.9725					1.10	ND	7.97E+03	6.01
PCB-92 22'355'-PeCB	29.34	B EMPC	0.9838	0.9840	+0.4	6.58E+05	0.74	0.68	80.6	7.97E+03	9.72
PCB-113/90/101 ...-PeCB	29.84	B C	1.0000	1.0008	+1.4	4.89E+06	0.65	0.81	504	7.97E+03	8.17
PCB-83 22'33'5'-PeCB	30.26	B EMPC	1.0148	1.0147	-0.2	2.78E+05	0.49	0.54	42.7	7.97E+03	12.2
PCB-99 22'44'5'-PeCB	30.34	B	1.0176	1.0175	-0.2	1.79E+06	0.55	0.99	150	7.97E+03	6.66
PCB-112 233'56'-PeCB	ND		1.0213					1.14	ND	7.97E+03	5.79

Lab ID: B9847_21458_PCB_001

ACQ: 08-Oct-2024 07:16:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill on

UTP: 11-Oct-2024 12:38:07 JLJ

J-level: 20 pg Split: 2

Checkcode: 889-250-WGP/C

Datafile: 241007B15

RPT: 11-Oct-2024 12:54 JJ

Stds (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.83	B C	1.0330	1.0339	+1.7	2.81E+06	0.62	0.88	267	7.97E+03	7.53
PCB-117 234'56-PeCB	31.32	J B EMPC	1.0509	1.0503	-1.1	9.01E+04	0.79	0.85	8.79	7.97E+03	7.74
PCB-116/85 23456/22'344'-PeCB	31.41	B C	1.0538	1.0534	-0.8	5.60E+05	0.54	0.84	55.5	7.97E+03	7.86
PCB-110 233'4'6-PeCB	31.54	B	1.0582	1.0577	-0.9	4.40E+06	0.66	1.09	334	7.97E+03	6.03
PCB-115 2344'6-PeCB	31.61	J EMPC	1.0605	1.0600	-0.9	1.63E+05	0.50	1.03	13.1	7.97E+03	6.37
PCB-82 22'33'4-PeCB	31.82	B EMPC	1.0679	1.0671	-1.5	2.56E+05	0.71	0.69	30.9	7.97E+03	9.55
PCB-111 233'55'-PeCB	ND		1.0779					0.95	ND	7.97E+03	6.92
PCB-120 23'455'-PeCB	ND		1.0913					1.15	ND	7.97E+03	5.74
PCB-108/124 ...-PeCB	33.49	J C	0.9915	0.9915	0	1.42E+05	0.58	0.91	12.9	7.97E+03	7.22
PCB-107 233'4'5-PeCB	33.70	J B	0.9976	0.9977	+0.2	2.06E+05	0.60	1.00	17.1	7.97E+03	6.59
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	7.97E+03	6.92
PCB-122 233'4'5'-PeCB	ND		1.0095					0.76	ND	7.97E+03	8.87
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	7.97E+03	7.19
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	2.93E+03	2.29
PCB-152 22'3566'-HxCB	ND		1.0072					0.98	ND	2.93E+03	2.22
PCB-150 22'34'66'-HxCB	ND		1.0118					0.84	ND	2.93E+03	2.59
PCB-136 22'33'66'-HxCB	30.28	B	1.0228	1.0226	-0.4	1.05E+06	1.43	0.79	100	2.93E+03	2.75
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	2.93E+03	2.39
PCB-148 22'34'56'-HxCB	ND		1.0741					0.91	ND	2.93E+03	2.83
PCB-151/135 ...-HxCB	32.32	B C	1.0925	1.0913	-2.3	2.07E+06	1.20	0.89	195	2.93E+03	2.91
PCB-154 22'44'56'-HxCB	32.50	J	1.0987	1.0976	-2.1	5.89E+04	1.28	0.95	5.17	2.93E+03	2.71
PCB-144 22'345'6-HxCB	32.80	B	1.1082	1.1075	-1.4	3.01E+05	1.09	0.87	28.9	2.93E+03	2.96
PCB-147/149 ...-HxCB	33.09	B C	1.1186	1.1175	-2.2	4.44E+06	1.24	0.96	389	2.93E+03	2.7
PCB-134 22'33'56-HxCB	33.27	B EMPC	1.1248	1.1236	-2.4	1.71E+05	1.72	0.71	20.1	2.93E+03	3.63
PCB-143 22'3456'-HxCB	ND		1.1273					0.85	ND	2.93E+03	3.04
PCB-139/140 ...-HxCB	ND	C	1.1359					0.93	ND	2.93E+03	2.79
PCB-131 22'33'46-HxCB	ND		1.1421					0.80	ND	2.93E+03	3.21
PCB-142 22'3456-HxCB	ND		1.1468					0.78	ND	2.93E+03	3.3
PCB-132 22'33'46'-HxCB	34.18	B	1.1554	1.1542	-2.5	1.13E+06	1.22	0.81	117	2.93E+03	3.2
PCB-133 22'33'55'-HxCB	34.57	J EMPC	1.1687	1.1674	-2.7	5.27E+04	0.84	0.90	4.91	2.93E+03	2.87
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	2.93E+03	2.58
PCB-146 22'34'55'-HxCB	35.12	B	0.9569	0.9570	+0.2	5.55E+05	1.41	1.00	46.7	2.93E+03	2.6
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	2.93E+03	2.18
PCB-153/168 ...-HxCB	35.64	B C	0.9717	0.9712	-1.1	4.44E+06	1.31	1.09	343	2.93E+03	2.38
PCB-141 22'3455'-HxCB	35.82	B	0.9761	0.9761	0	9.10E+05	1.36	0.79	96.9	2.93E+03	3.28
PCB-130 22'33'45'-HxCB	36.18	J	0.9856	0.9858	+0.4	1.50E+05	1.13	0.67	18.9	2.93E+03	3.87
PCB-137 22'344'5-HxCB	36.36	J	0.9907	0.9907	0	1.13E+05	1.39	0.71	13.2	2.93E+03	3.62
PCB-164 233'4'5'6-HxCB	36.45		0.9933	0.9932	-0.2	2.86E+05	1.07	1.18	20.4	2.93E+03	2.2
PCB-163/138/129 ...-HxCB	36.73	B C	1.0011	1.0007	-0.9	3.18E+06	1.24	0.85	315	2.93E+03	3.05
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	2.93E+03	2.6
PCB-158 233'44'6-HxCB	37.06	B	1.0097	1.0097	0	3.88E+05	1.36	1.09	29.9	2.93E+03	2.38

Lab ID: B9847_21458_PCB_001

ACQ: 08-Oct-2024 07:16:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill on

UTP: 11-Oct-2024 12:38:07 JLJ

J-level: 20 pg Split: 2

Checkcode: 889-250-WGP/C

Datafile: 241007B15

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.82	J B C	0.9631	0.9636	+1.1	2.69E+05	1.11	0.90	28.4	4.69E+03	5.28
PCB-159 233'455'-HxCB	ND		0.9839					1.13	ND	4.69E+03	4.18
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	4.69E+03	5.01
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.42E+03	1.72
PCB-179 22'33'566'-HpCB	34.80	B	1.0095	1.0096	+0.2	1.09E+06	1.15	1.02	73.8	2.42E+03	1.62
PCB-184 22'344'66'-HpCB	ND		1.0221					0.95	ND	2.42E+03	1.74
PCB-176 22'33'466'-HpCB	35.55	B	1.0313	1.0312	-0.2	2.71E+05	1.06	0.86	21.9	2.42E+03	1.93
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	2.42E+03	1.61
PCB-178 22'33'55'6'-HpCB	37.08	B	1.0758	1.0757	-0.2	3.00E+05	1.04	0.66	31.3	2.42E+03	2.5
PCB-175 22'33'45'6'-HpCB	37.63	J	1.0915	1.0917	+0.5	4.35E+04	1.00	0.97	4.83	3.46E+03	3.95
PCB-187 22'34'55'6'-HpCB	37.86	B	1.0982	1.0981	-0.2	1.43E+06	1.09	1.21	127	3.46E+03	3.17
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	3.46E+03	3.28
PCB-183 22'344'5'6'-HpCB	38.37	B	1.1133	1.1131	-0.5	5.84E+05	1.06	1.00	62.8	3.46E+03	3.82
PCB-185 22'3455'6'-HpCB	38.47	J EMPC	1.1161	1.1158	-0.7	1.18E+05	0.86	0.94	13.5	3.46E+03	4.07
PCB-174 22'33'456'-HpCB	38.59	B	1.1195	1.1194	-0.2	8.66E+05	0.94	1.02	91.6	3.46E+03	3.76
PCB-177 22'33'45'6'-HpCB	38.96	B	1.1304	1.1302	-0.5	3.76E+05	1.14	0.98	41.3	3.46E+03	3.91
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	3.46E+03	3.72
PCB-171/173 ...-HpCB	39.50	J C	1.1458	1.1457	-0.2	1.82E+05	1.09	0.88	22.3	3.46E+03	4.35
PCB-172 22'33'455'-HpCB	40.85	J EMPC	0.9058	0.9056	-0.5	7.91E+04	1.22	0.86	9.94	3.46E+03	4.47
PCB-192 233'455'6'-HpCB	ND		0.9112					1.22	ND	3.46E+03	3.15
PCB-180/193 ...-HpCB	41.41	B C	0.9175	0.9180	+1.2	1.36E+06	0.94	1.01	146	3.46E+03	3.8
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.05	ND	3.46E+03	3.68
PCB-170 22'33'44'5'-HpCB	42.50	B	0.9422	0.9420	-0.5	2.96E+05	1.06	0.93	42.6	3.46E+03	5.39
PCB-190 233'44'56-HpCB	42.95	J	0.9521	0.9519	-0.5	9.48E+04	1.00	1.27	10.1	3.46E+03	3.97
PCB-202 22'33'55'66'-OcCB	39.04	J	1.0006	1.0003	-0.7	1.63E+05	0.83	0.96	14.1	2.52E+03	2.38
PCB-201 22'33'45'66'-OcCB	39.84	J	1.0206	1.0208	+0.5	9.43E+04	0.80	0.79	9.89	2.52E+03	2.88
PCB-204 22'344'566'-OcCB	40.58	J EMPC	1.0353	1.0397	+10.7	3.68E+04	1.16	0.91	3.36	2.52E+03	2.5
PCB-197 22'33'44'66'-OcCB	40.68	J	1.0403	1.0424	+5.1	2.23E+04	0.82	0.83	2.23	2.52E+03	2.74
PCB-200 22'33'4566'-OcCB	40.72	J B	1.0430	1.0435	+1.2	5.96E+04	0.89	0.81	6.16	2.52E+03	2.83
PCB-198/199 ...-OcCB	43.07	J B C	1.1028	1.1035	+1.8	2.84E+05	0.81	0.63	37.2	2.52E+03	3.6
PCB-196 22'33'44'56'-OcCB	43.61	J B EMPC	1.1176	1.1175	-0.3	8.64E+04	1.35	0.54	13.2	2.52E+03	4.19
PCB-203 22'344'55'6'-OcCB	43.79	B	1.1219	1.1220	+0.3	1.82E+05	0.93	0.67	22.7	2.52E+03	3.41
PCB-195 22'33'44'56-OcCB	44.95	J EMPC	0.9493	0.9497	+1.1	3.63E+04	0.63	0.91	6.59	1.52E+03	3.15
PCB-194 22'33'44'55'-OcCB	46.91	J EMPC	0.9912	0.9911	-0.3	6.76E+04	1.30	0.86	13	1.52E+03	3.33
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	1.52E+03	3.11
PCB-208 22'33'455'66'-NoCB	44.70	J EMPC	1.0005	1.0006	+0.3	2.64E+04	0.53	0.96	3.54	3.65E+03	5.08
PCB-207 22'33'44'566'-NoCB	45.50	J EMPC	1.0181	1.0183	+0.5	2.23E+04	1.06	0.87	3.29	3.65E+03	5.6
PCB-206 22'33'44'55'6'-NoCB	49.08	J EMPC	1.0005	1.0008	+0.9	6.37E+04	0.62	0.93	14.8	3.65E+03	11.2
AS PCB-32	20.023		1.2602	1.2603	+0.1	2.26E+07	1.06	0.84	59.1 %	50%	150%
AS PCB-97	30.753		1.0318	1.0314	-0.7	3.71E+07	1.55	0.85	73.3 %	50%	150%
AS PCB-159	38.603		1.0518	1.0519	+0.2	5.77E+07	1.24	1.16	81 %	50%	150%

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 889-250

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 12:58 Page 1 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



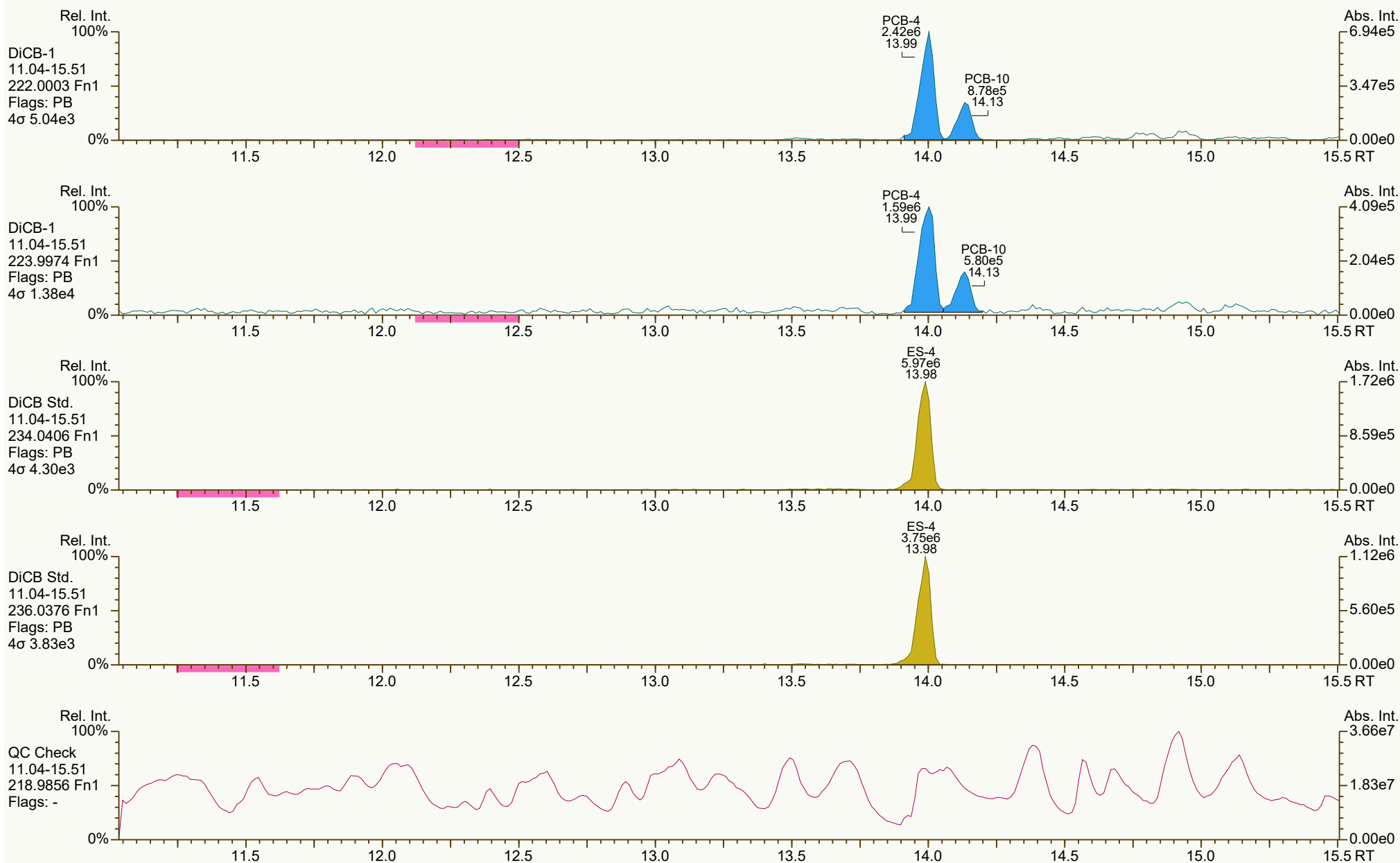
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3854, 6776 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 2 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



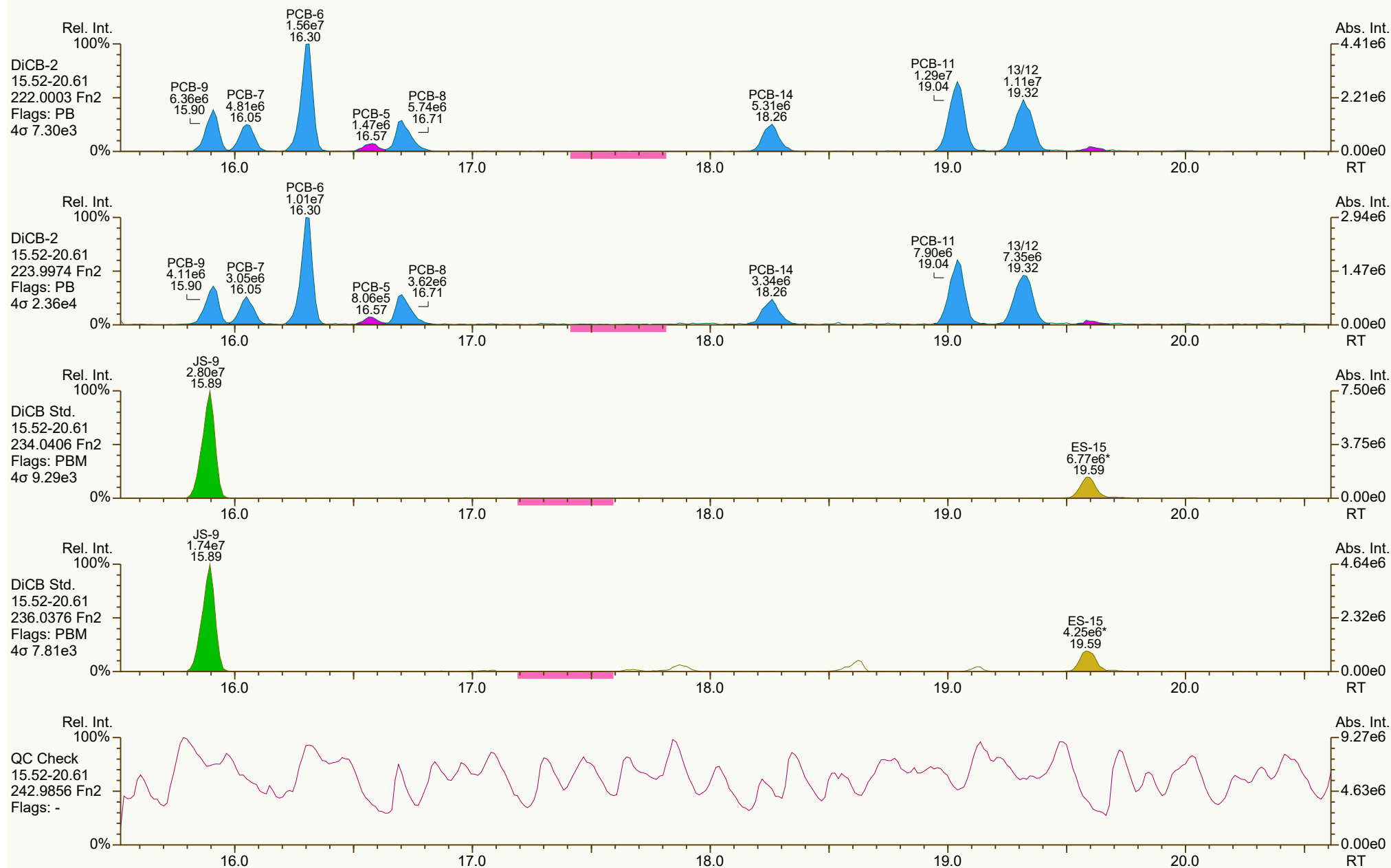
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9027, 1249 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 3 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



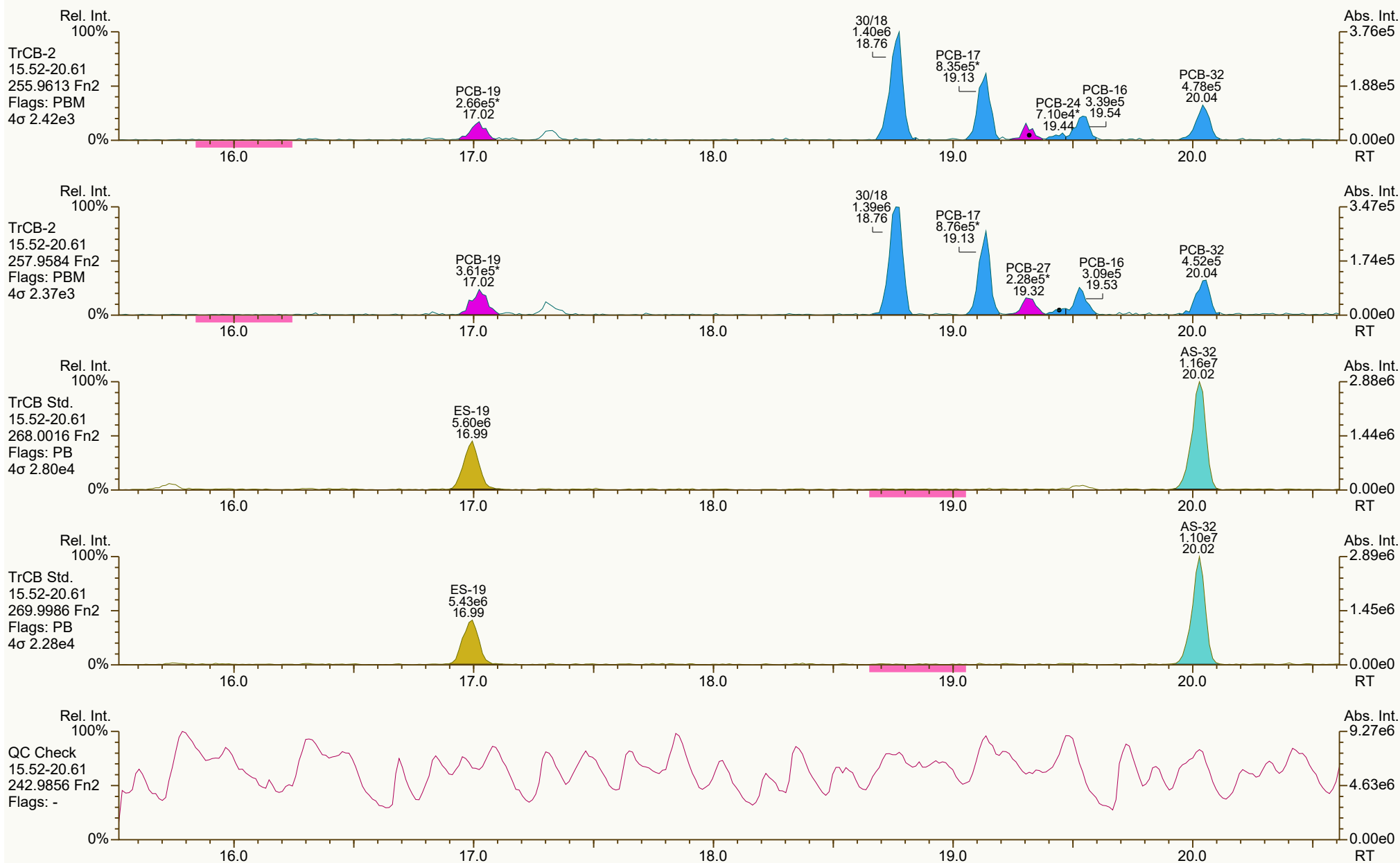
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1197, 0511 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 4 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7736, 8370 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 5 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



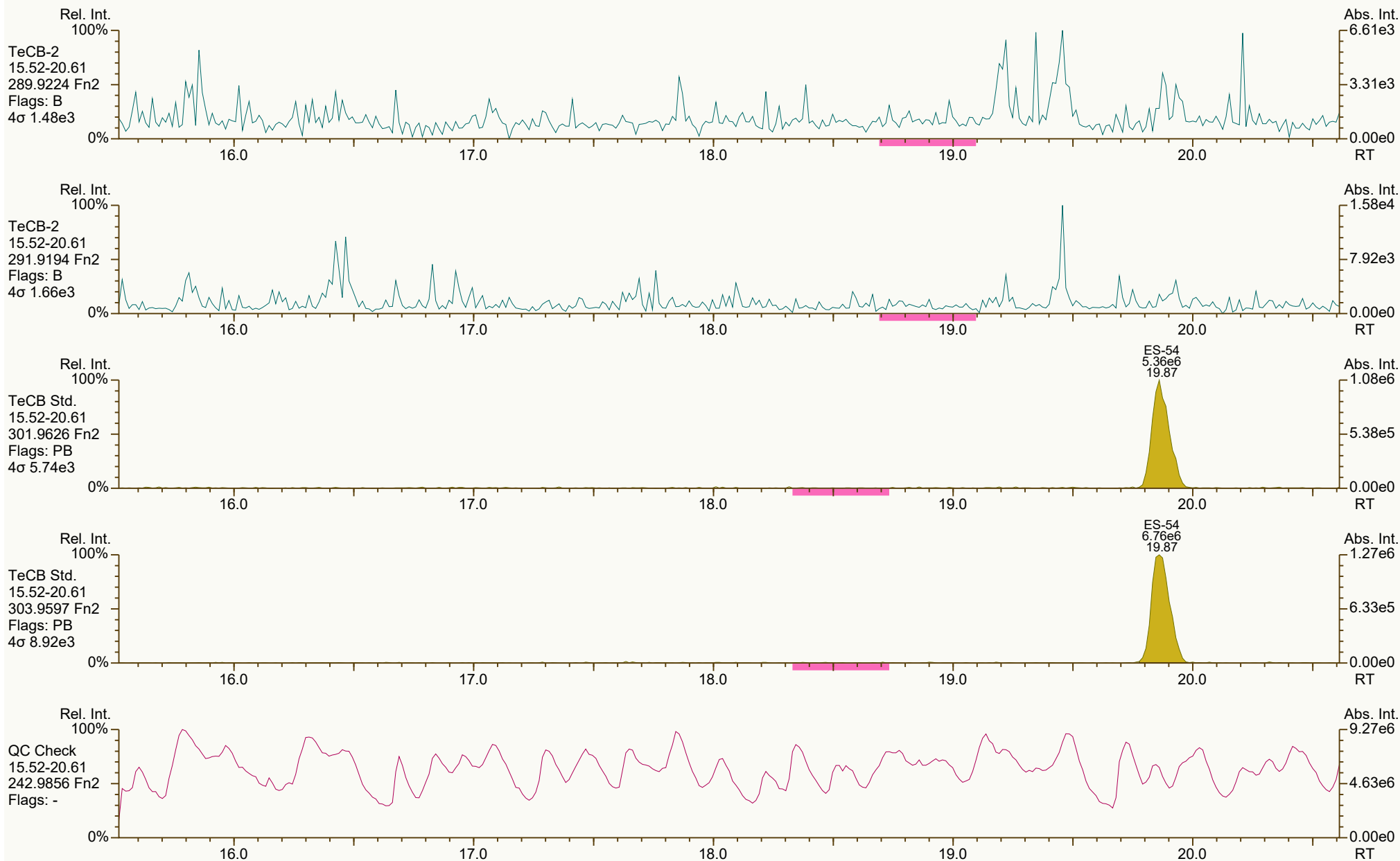
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4934, 3364 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 6 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



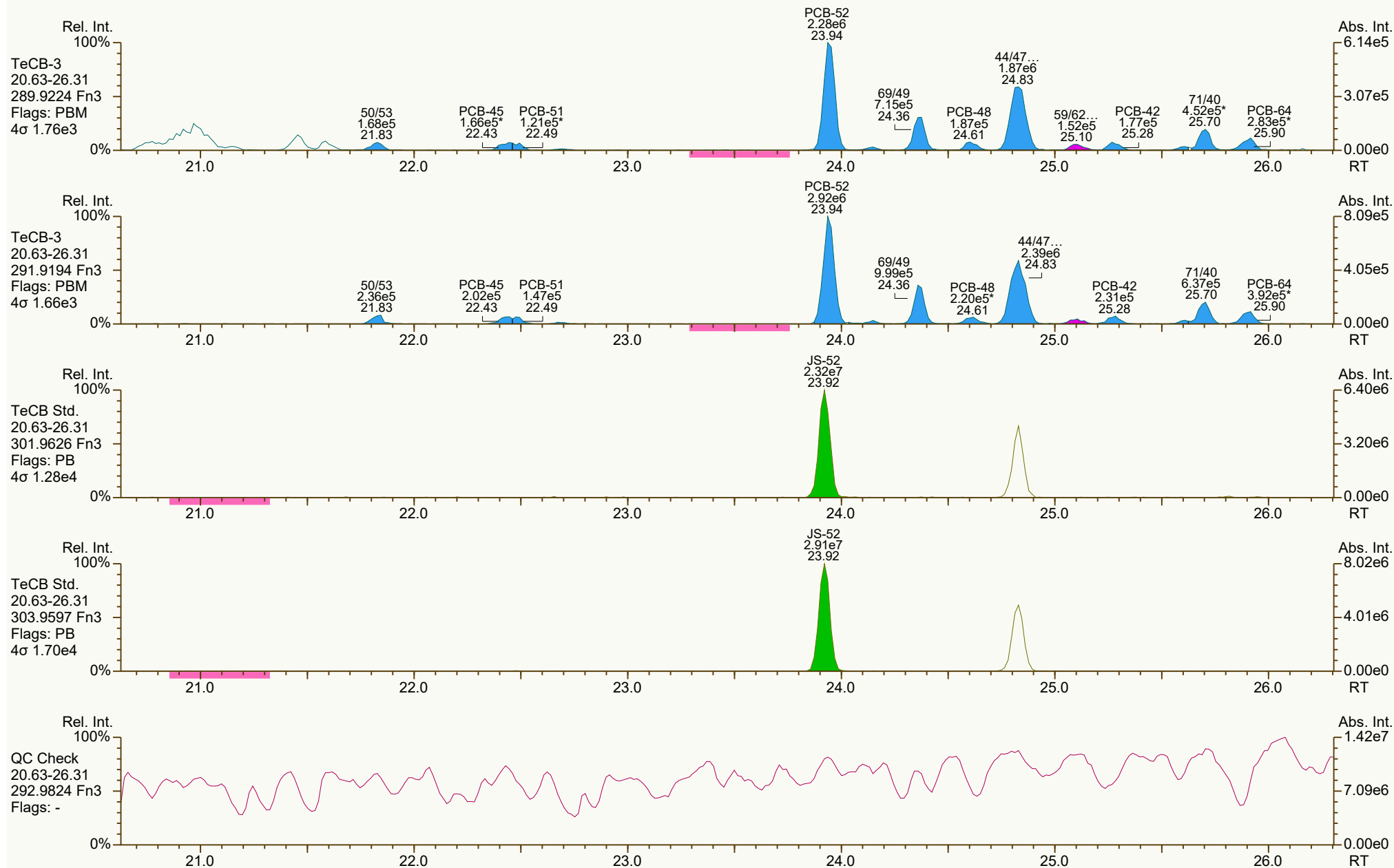
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6431, 3491 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 7 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



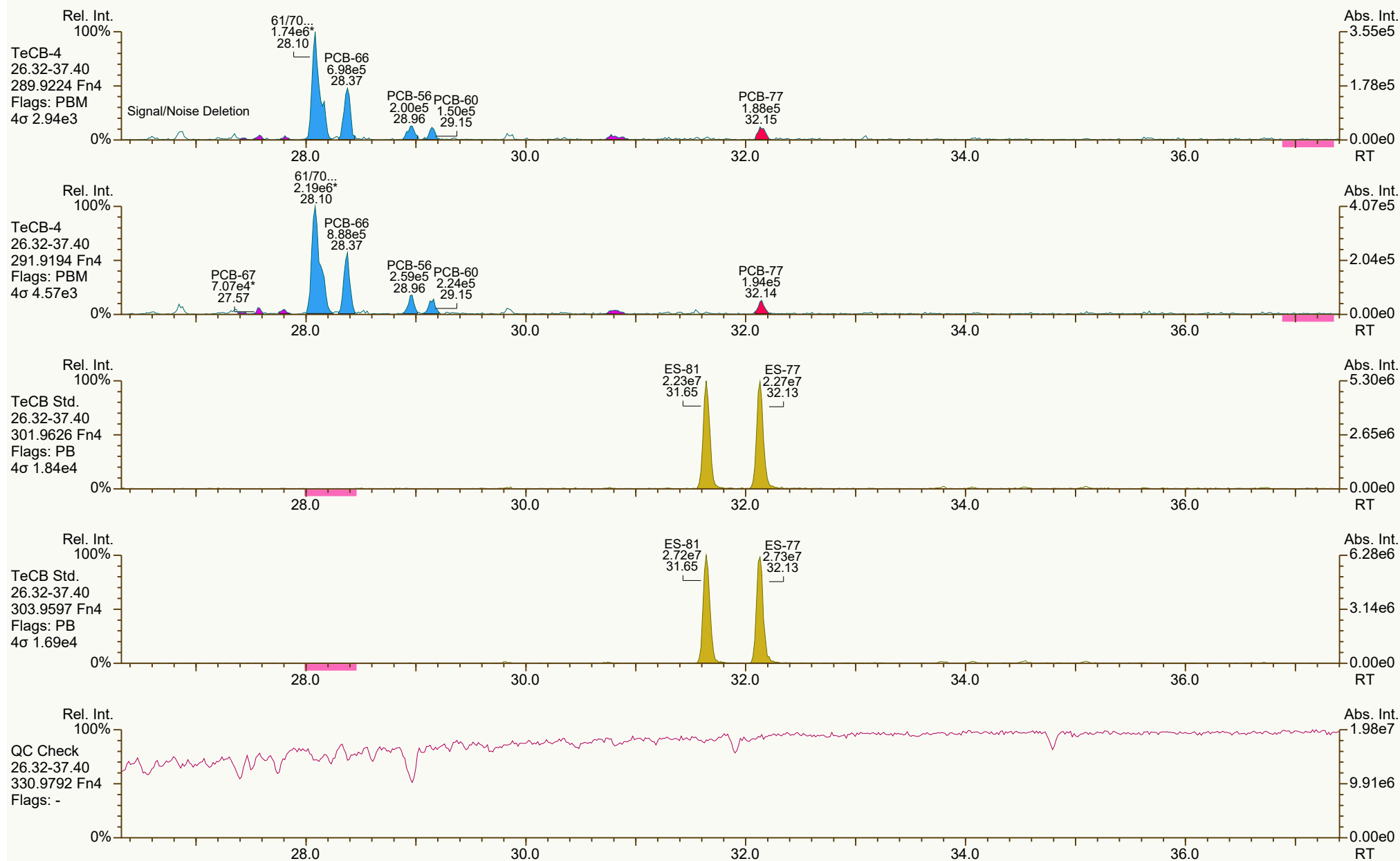
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0690, 6235 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 8 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9602, 7395 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 9 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



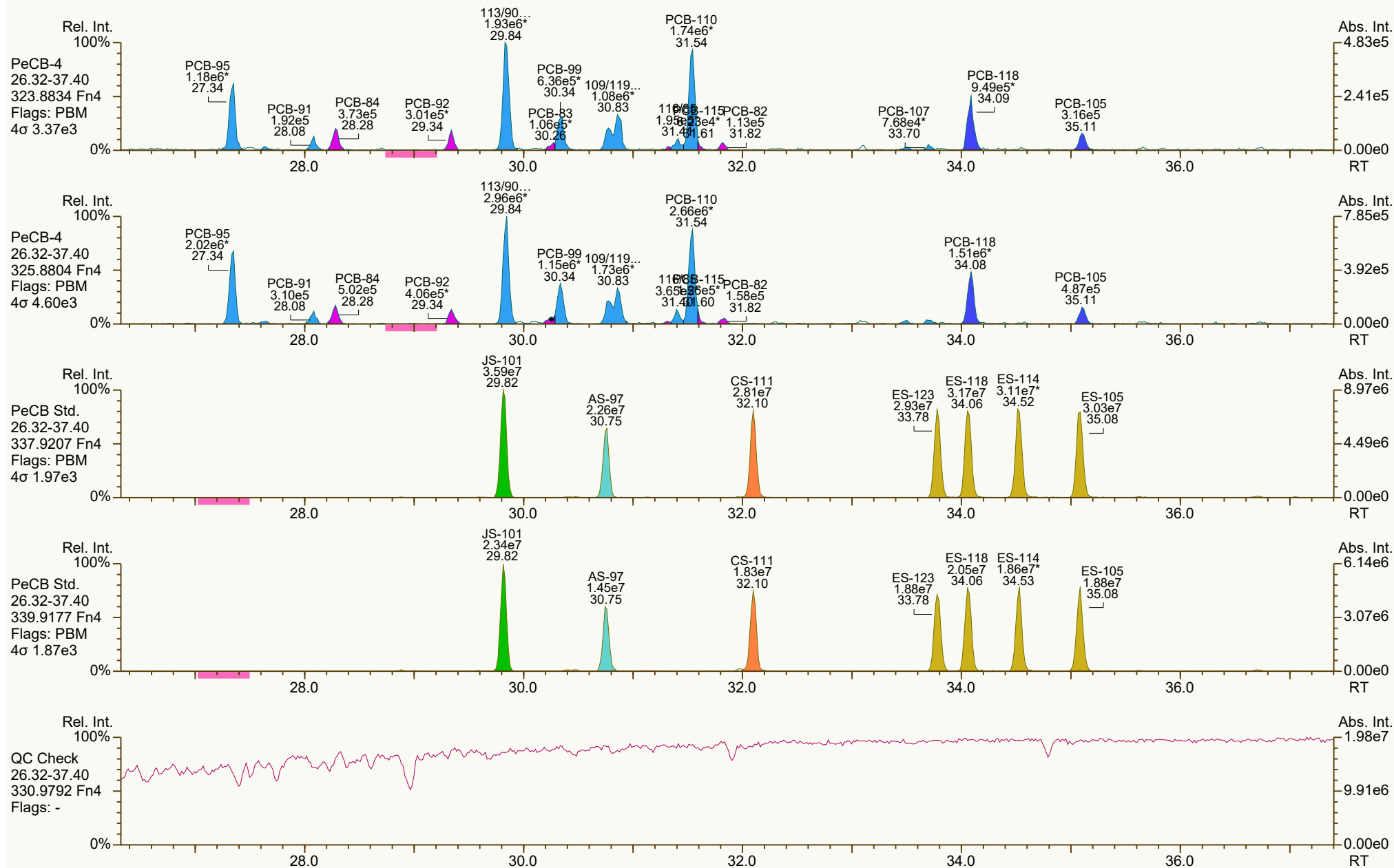
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8164, 1031 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 10 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



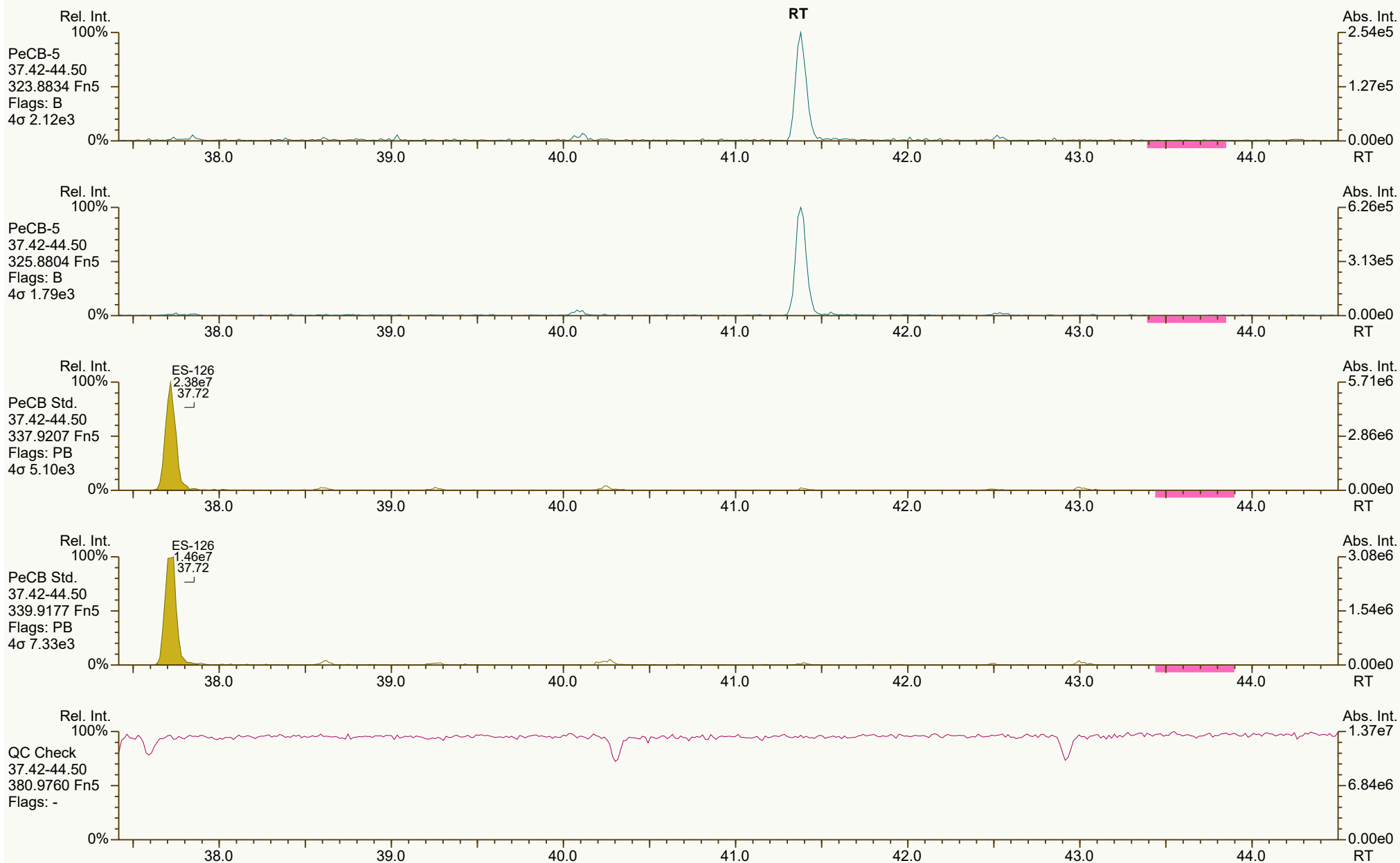
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6286, 3407 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 11 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



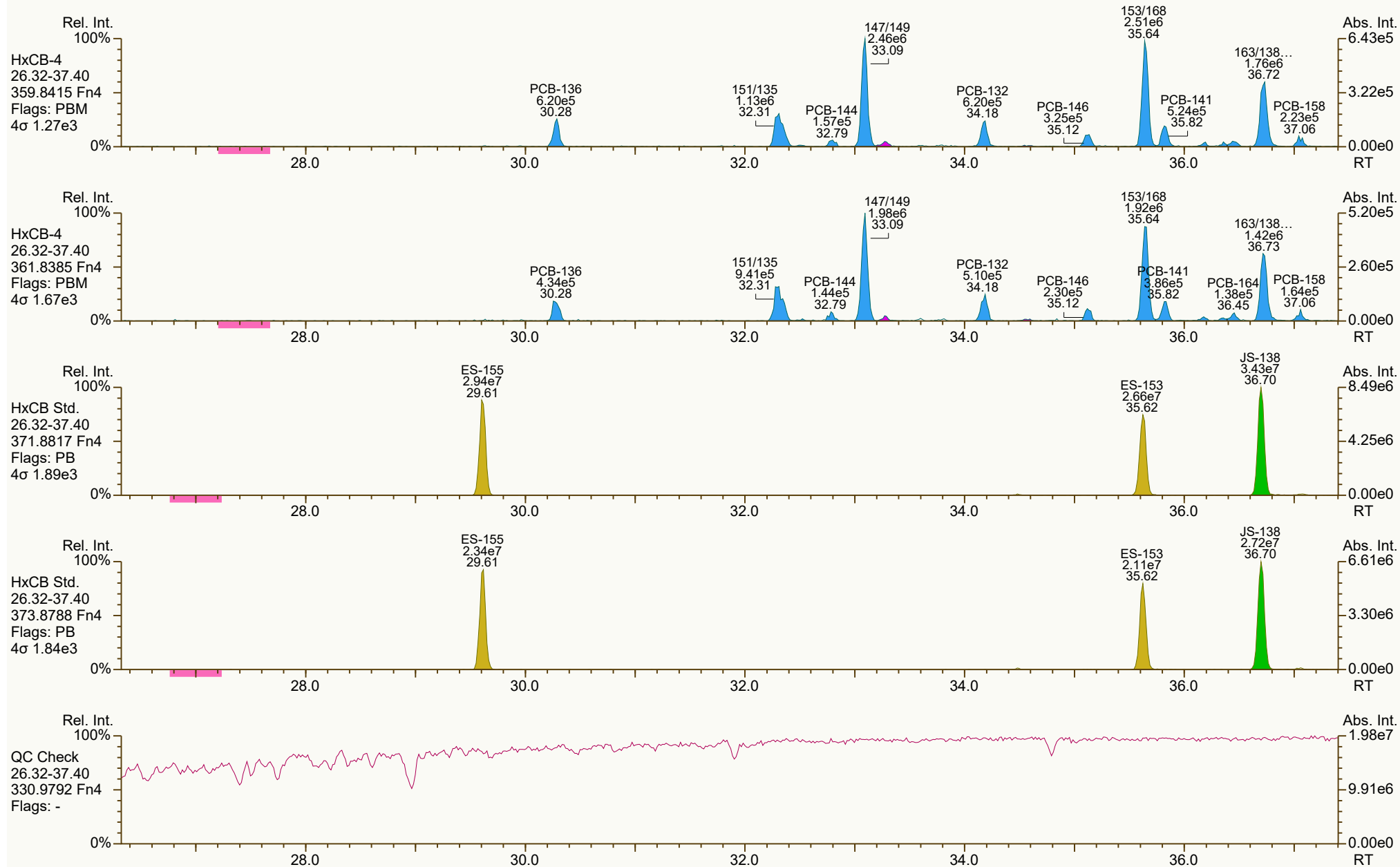
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0736, 5596 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 12 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5423, 1374 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 13 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



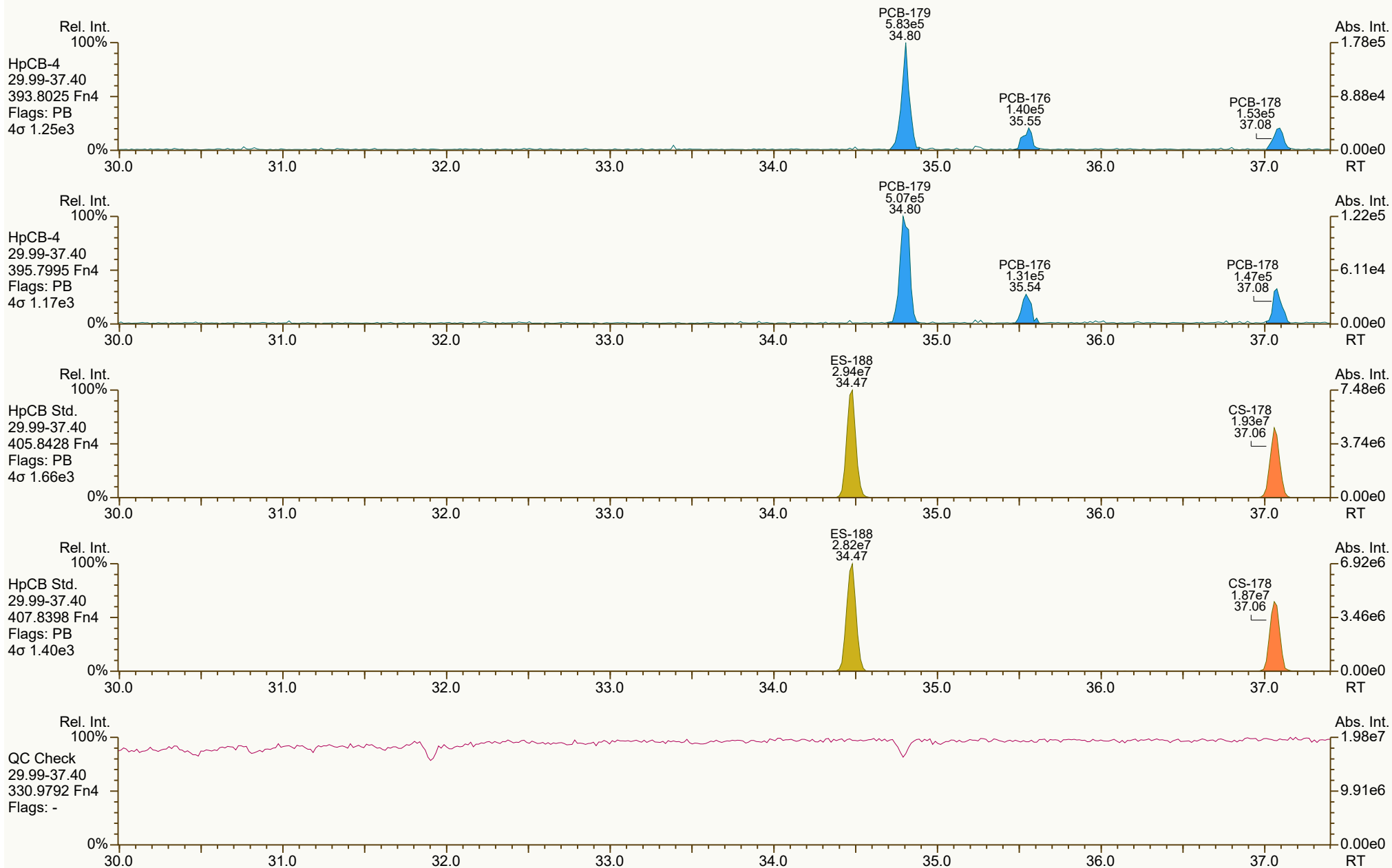
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0162, 1516 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 14 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



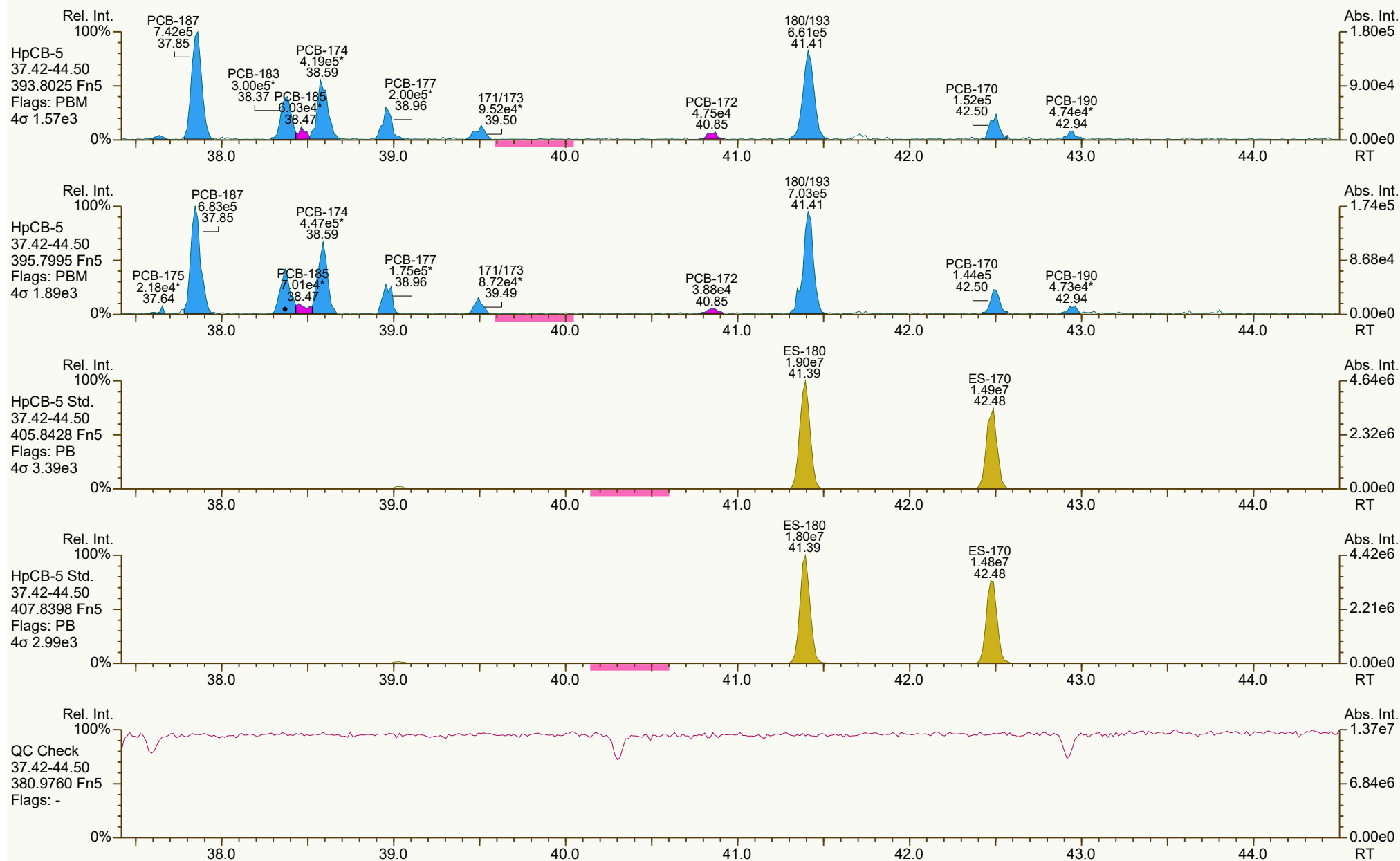
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5254, 0872 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 15 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7083, 7958 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 16 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



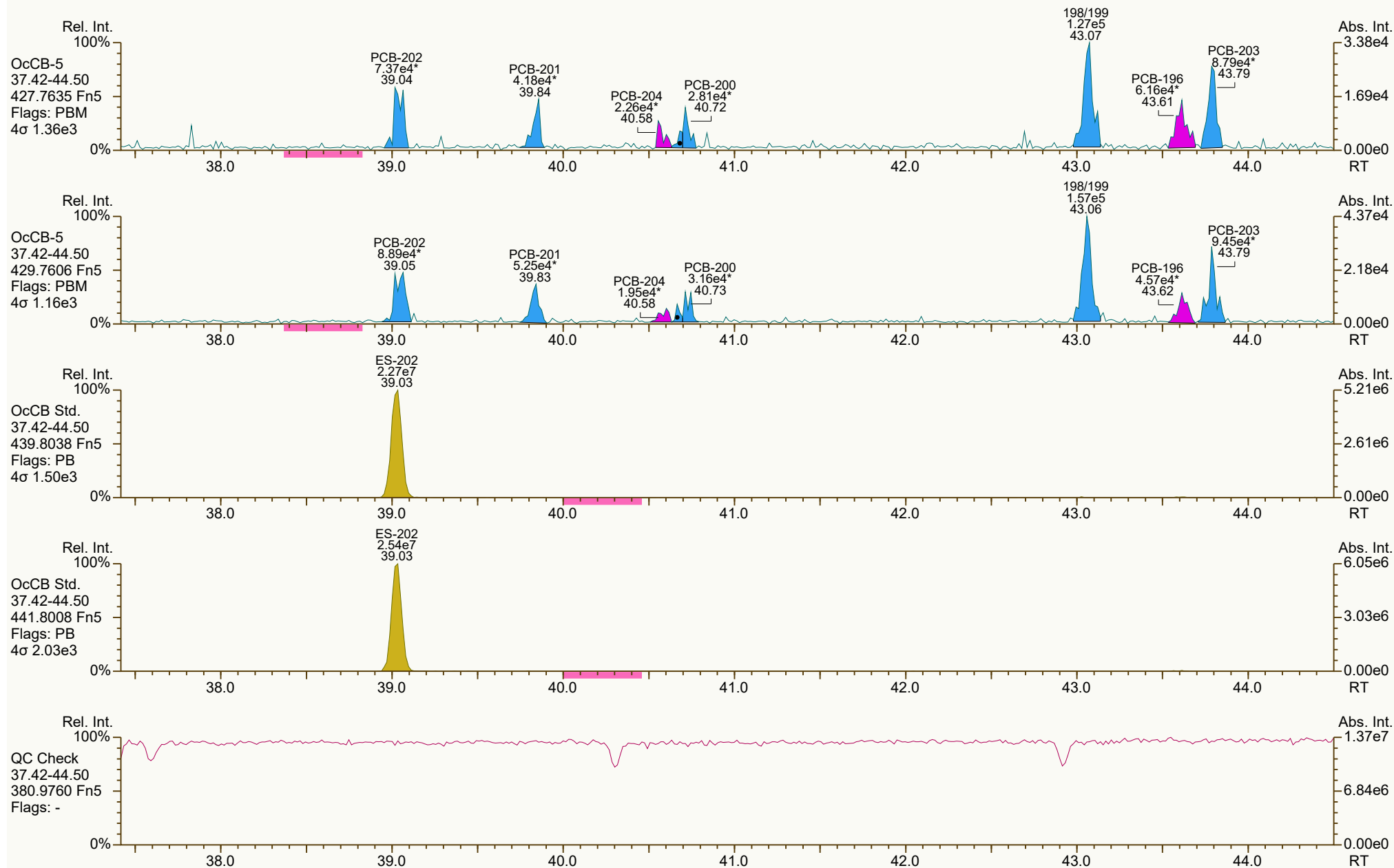
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3576, 6905 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 17 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



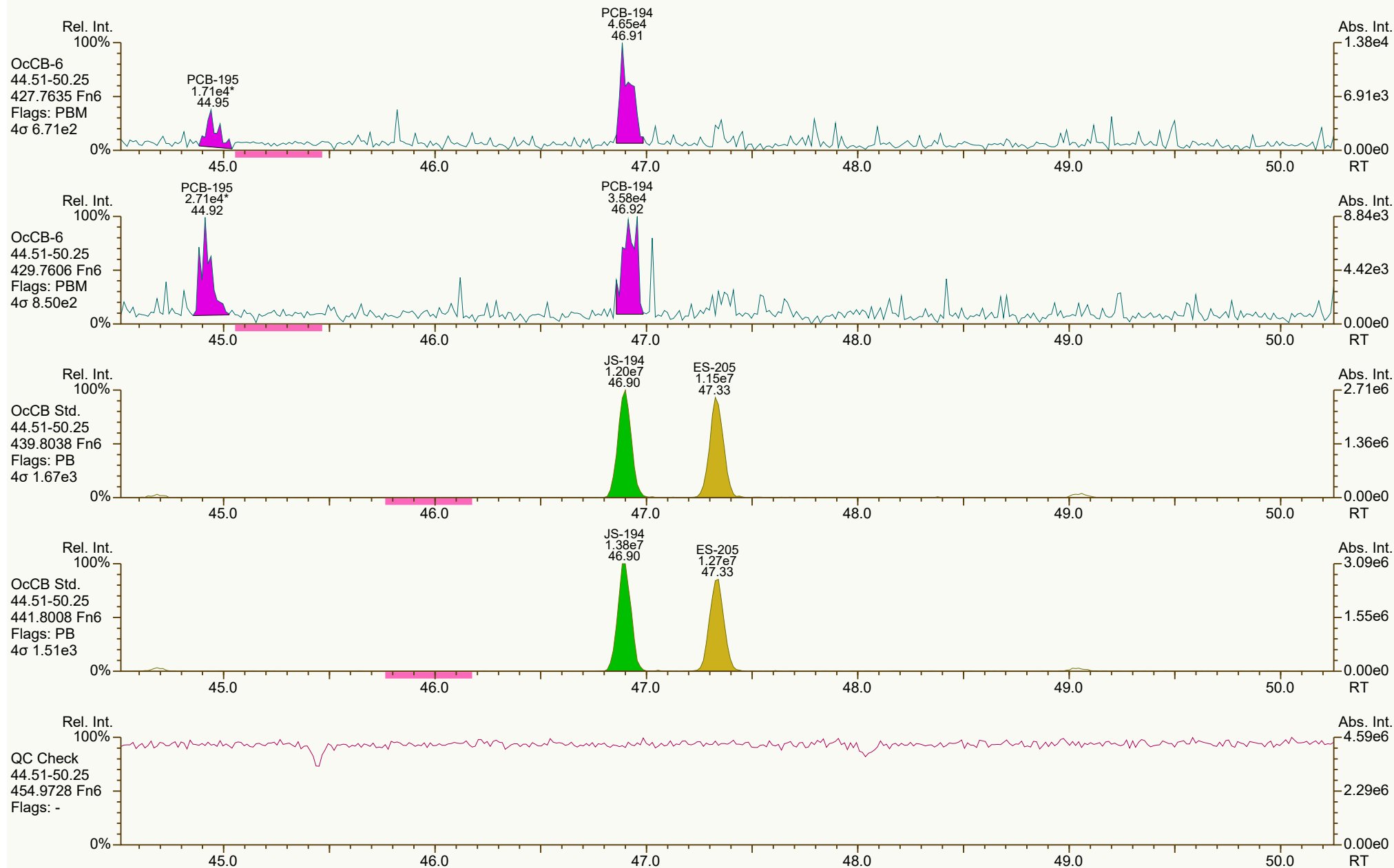
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4888, 0941 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 18 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2527, 6851 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 19 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



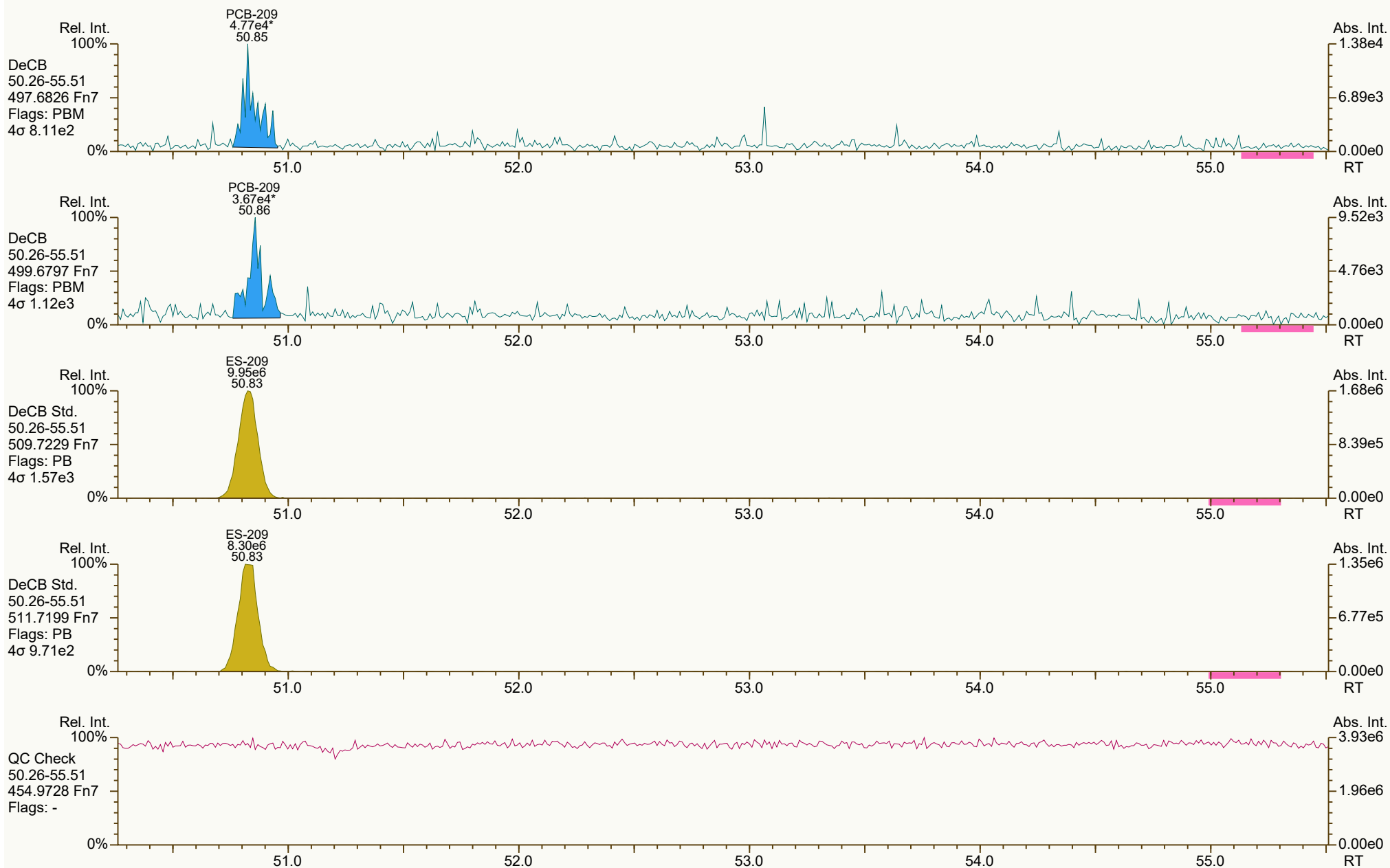
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4584, 3298 scc: 889-250

Peak annotation: Areas, Centroids
Revised: 10-Oct-2024 13:20 (JLJ) Printed: 11-Oct-2024 12:58 Page 20 of 21

SGS ID: B9847_21458_PCB_001
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 54

Acq: 08-Oct-2024 07:16:05
User: JLJ Datafile: 241007B15



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_001.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1779, 4856 scc: 889-250

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:21 Printed: 11-Oct-2024 12:58 Page 21 of 21

Lab ID: B9847_21458_PCB_002

ACQ: 08-Oct-2024 08:14:47 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill on

UTP: 11-Oct-2024 12:38:08 JLJ

J-level: 20 pg Split: 2

Checkcode: 046-560-QWL/C

Datafile: 241007B16

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.15		1.0006	1.0006	0	4.65E+05	0.81	0.95	44	7.96E+03	7.76
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	7.96E+03	8.03
PCB-105 233'44'-PeCB	35.11	B	1.0006	1.0007	+0.2	2.04E+06	0.67	0.97	201	1.04E+04	10.3
PCB-114 2344'5-PeCB	ND		1.0007					0.96	ND	1.04E+04	10.8
PCB-118 23'44'5-PeCB	34.09	B	1.0007	1.0008	+0.2	7.32E+06	0.60	0.99	635	1.04E+04	9.47
PCB-123 23'44'5'-PeCB	33.80	J B EMPC	1.0007	1.0007	0	1.26E+05	0.51	0.96	12.1	1.04E+04	10.6
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	5.49E+03	7.77
PCB-156/157 ...-HxCB	40.25	J B C	1.0005	1.0000	-1.2	2.58E+05	1.31	0.96	35.4	3.87E+03	7.7
PCB-167 23'44'55'-HxCB	39.28	J B	1.0005	1.0006	+0.2	1.57E+05	1.20	0.94	17.7	3.87E+03	4.51
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	3.87E+03	6.1
PCB-189 233'44'55'-HpCB	45.12	J B	1.0004	1.0001	-0.8	3.18E+04	1.13	0.93	6.11	3.44E+03	7.06
PCB-209 DeCB	50.86	EMPC	1.0005	1.0005	0	9.45E+04	0.93	0.95	26.8	2.22E+03	9.22
ES PCB-1	11.42		0.7219	0.7210	-0.6	7.97E+06	3.65	1.19	10.3 %	5%	145%
ES PCB-3	13.65		0.8628	0.8620	-0.7	2.73E+07	2.95	1.13	37.2 %	5%	145%
ES PCB-4	13.92		0.8777	0.8791	+1.2	1.67E+07	1.64	0.72	35.4 %	5%	145%
ES PCB-15	19.54		1.2345	1.2339	-0.7	1.42E+07	1.66	1.07	20.3 %	5%	145%
ES PCB-19	16.93		1.0688	1.0690	+0.2	1.72E+07	1.10	0.65	40.7 %	5%	145%
ES PCB-37	25.81		1.0824	1.0816	-1.2	2.77E+07	1.05	1.40	30 %	5%	145%
ES PCB-54	19.80		0.8288	0.8297	+1.1	1.80E+07	0.77	1.23	22.1 %	5%	145%
ES PCB-77	32.13		1.3483	1.3460	-4.4	4.47E+07	0.80	1.28	53 %	10%	145%
ES PCB-81	31.64		1.3278	1.3256	-4.2	4.49E+07	0.78	1.33	51.4 %	10%	145%
ES PCB-104	24.70		0.8278	0.8288	+1.5	3.93E+07	1.52	1.32	48.5 %	10%	145%
ES PCB-105	35.08		1.1779	1.1773	-1.3	4.19E+07	1.50	1.26	54.2 %	10%	145%
ES PCB-114	34.53		1.1590	1.1586	-0.8	4.23E+07	1.56	1.34	51.1 %	10%	145%
ES PCB-118	34.06		1.1434	1.1430	-0.8	4.67E+07	1.65	1.31	57.8 %	10%	145%
ES PCB-123	33.78		1.1339	1.1336	-0.6	4.32E+07	1.52	1.27	55.3 %	10%	145%
ES PCB-126	37.72		1.2663	1.2659	-0.9	3.23E+07	1.59	1.19	44.2 %	10%	145%
ES PCB-153	35.62		0.9706	0.9706	0	4.14E+07	1.29	1.11	66.1 %	10%	145%
ES PCB-155	29.59		0.8059	0.8063	+0.7	4.92E+07	1.29	1.45	60.1 %	10%	145%
ES PCB-156/157	40.25	C	1.0967	1.0967	0	6.07E+07	1.24	1.24	43.4 %	10%	145%
ES PCB-167	39.26		1.0695	1.0696	+0.2	3.78E+07	1.27	1.29	52.1 %	10%	145%
ES PCB-169	43.01		1.1714	1.1719	+1.3	2.70E+07	1.22	1.18	40.6 %	10%	145%
ES PCB-170	42.48		0.9058	0.9057	-0.3	2.49E+07	1.09	1.06	106 %	10%	145%
ES PCB-180	41.40		0.8827	0.8826	-0.2	3.16E+07	1.07	1.25	114 %	10%	145%
ES PCB-188	34.47		0.9393	0.9393	0	5.00E+07	1.03	1.36	65.1 %	10%	145%
ES PCB-189	45.12		0.9619	0.9619	0	2.25E+07	1.05	1.37	74.3 %	10%	145%
ES PCB-202	39.03		1.0635	1.0634	-0.2	4.09E+07	0.90	1.19	60.8 %	10%	145%
ES PCB-205	47.34		1.0093	1.0093	0	2.04E+07	0.90	1.23	74.8 %	10%	145%
ES PCB-206	49.05		1.0458	1.0457	-0.3	1.50E+07	0.83	0.89	76.6 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.68		0.9528	0.9526	-0.5	2.51E+07	0.78	1.26	90.3 %	10%	145%
ES PCB-209	50.83		1.0840	1.0837	-0.9	1.48E+07	1.19	0.98	68 %	10%	145%
SS PCB-28	22.27		0.9324	0.9329	+0.7	2.86E+07	1.05	1.04	99.8 %	5%	145%
SS PCB-111	32.09		1.0771	1.0769	-0.4	3.98E+07	1.54	0.98	93.6 %	10%	145%
SS PCB-178	37.06		1.0099	1.0098	-0.2	3.30E+07	0.98	0.71	93.3 %	10%	145%
CS PCB-28	22.27		0.9324	0.9329	+0.7	2.86E+07	1.05	1.44	30.2 %	5%	145%
CS PCB-111	32.09		1.0771	1.0769	-0.4	3.98E+07	1.54	1.24	52 %	10%	145%
CS PCB-178	37.06		1.0099	1.0098	-0.2	3.30E+07	0.98	0.96	60.9 %	10%	145%
JS PCB-9	15.84					6.50E+07	1.56				
JS PCB-52	23.87					6.58E+07	0.78				
JS PCB-101	29.80					6.16E+07	1.52				
JS PCB-138	36.70					5.64E+07	1.26				
JS PCB-194	46.90					2.21E+07	0.88				
Totals						NON-EMPC	EMPC		DL		
Mono-CB						327,000	327,000		87.3		
Di-CB						19,900	19,900		28.9		
Tri-CB						3,450	3,510		18.2		
Tetra-CB						3,850	3,930		6.06		
Penta-CB						8,010	8,110		8.62		
Hexa-CB						5,560	5,810		5.12		
Hepta-CB						1,600	1,640		4.64		
Octa-CB						141	217		3.81		
Nona-CB						25.1	32.7		11.3		

Lab ID: B9847_21458_PCB_002

ACQ: 08-Oct-2024 08:14:47 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill on

UTP: 11-Oct-2024 12:38:08 JLJ

J-level: 20 pg Split: 2

Checkcode: 046-560-QWL/C

Datafile: 241007B16

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.43	E	1.0012	1.0014	+0.1	3.01E+08	3.09	1.01	150,000	2.56E+04	142
PCB-2 3-MoCB	13.48	E	0.9879	0.9875	-0.3	9.13E+08	3.07	1.02	131,000	2.56E+04	32.6
PCB-3 4-MoCB	13.66		1.0010	1.0010	0	3.17E+08	3.09	1.01	45,800	2.56E+04	32.7
PCB-4 22'-DiCB	13.93	B	1.0012	1.0010	-0.2	3.37E+06	1.45	0.98	821	9.40E+03	20.1
PCB-10 26-DiCB	14.09		1.0136	1.0118	-1.5	8.74E+05	1.45	1.39	151	9.40E+03	14.2
PCB-9 25-DiCB	15.85		1.0010	1.0010	0	4.97E+06	1.46	0.90	1,570	1.23E+04	40.7
PCB-7 24-DiCB	16.00		1.0112	1.0105	-0.7	3.73E+06	1.48	0.83	1,280	1.23E+04	44.2
PCB-6 23'-DiCB	16.25		1.0259	1.0259	0	1.22E+07	1.55	0.96	3,590	1.23E+04	37.8
PCB-5 23-DiCB	16.52		1.0445	1.0433	-1.2	1.10E+06	1.61	0.79	393	1.23E+04	46.2
PCB-8 24'-DiCB	16.65		1.0520	1.0516	-0.4	6.27E+06	1.48	1.04	1,710	1.23E+04	35.2
PCB-14 35-DiCB	18.20		0.9307	0.9312	+0.5	4.30E+06	1.59	0.81	1,490	1.23E+04	44.8
PCB-11 33'-DiCB	18.98	B	0.9711	0.9712	+0.1	1.92E+07	1.54	0.90	6,050	1.23E+04	40.6
PCB-13/12 34'/34-DiCB	19.26	C	0.9858	0.9859	+0.1	7.45E+06	1.47	0.82	2,570	1.23E+04	44.5
PCB-15 44'-DiCB	19.57	B	1.0007	1.0013	+0.7	8.56E+05	SI	0.97	250	1.23E+04	37.7
PCB-19 22'6-TrCB	16.95	B	1.0011	1.0013	+0.2	5.56E+05	0.98	1.03	125	5.82E+03	12.7
PCB-30/18 246/22'5-TrCB	18.70	B C	1.1030	1.1044	+1.6	2.88E+06	1.15	1.48	453	5.82E+03	8.91
PCB-17 22'4-TrCB	19.07	B	1.1270	1.1265	-0.6	1.65E+06	1.18	1.03	375	5.82E+03	12.8
PCB-27 23'6-TrCB	19.26	B	1.1387	1.1377	-1.2	3.95E+05	0.98	1.42	64.8	5.82E+03	9.27
PCB-24 236-TrCB	19.39	J	1.1462	1.1455	-0.8	1.11E+05	1.07	1.43	18.1	5.82E+03	9.2
PCB-16 22'3-TrCB	19.48	B	1.1524	1.1506	-2.1	6.64E+05	1.15	1.03	151	5.82E+03	12.8
PCB-32 24'6-TrCB	19.97	B	1.1803	1.1796	-0.8	1.22E+06	1.04	1.59	178	5.82E+03	8.26
PCB-34 23'5'-TrCB	21.10	EMPC	0.8163	0.8173	+1.3	1.84E+05	1.29	0.95	27.9	1.66E+04	25.7
PCB-23 235-TrCB	21.25	J EMPC	0.8218	0.8231	+1.7	1.15E+05	1.24	0.97	17	1.66E+04	25.2
PCB-26/29 23'5/245-TrCB	21.53	B C	0.8330	0.8340	+1.3	1.17E+06	1.12	0.96	175	1.66E+04	25.5
PCB-25 23'4-TrCB	21.74	B	0.8409	0.8420	+1.4	7.02E+05	1.13	1.19	85.3	1.66E+04	20.6
PCB-31 24'5-TrCB	22.02	B	0.8517	0.8530	+1.7	3.91E+06	0.97	1.16	489	1.66E+04	21.2
PCB-28/20 244'/233'-TrCB	22.29	B C	0.8626	0.8634	+1.1	4.16E+06	0.92	1.06	569	1.66E+04	23.2
PCB-21/33 234/23'4'-TrCB	22.49	B C	0.8696	0.8712	+2.2	2.06E+06	1.05	1.04	287	1.66E+04	23.6
PCB-22 234'-TrCB	22.86	B	0.8845	0.8854	+1.2	1.38E+06	0.90	1.11	179	1.66E+04	22
PCB-36 33'5-TrCB	24.22	J EMPC	0.9378	0.9383	+0.7	1.54E+05	1.33	1.15	19.4	1.66E+04	21.3
PCB-39 34'5-TrCB	ND		0.9504					1.02	ND	1.66E+04	24
PCB-38 345-TrCB	25.06		0.9706	0.9708	+0.3	5.56E+05	0.96	1.05	76.3	1.66E+04	23.3
PCB-35 33'4-TrCB	25.48		0.9865	0.9870	+0.8	7.52E+05	1.04	0.99	110	1.66E+04	24.8
PCB-37 344'-TrCB	25.83	B	1.0007	1.0008	+0.2	8.16E+05	1.00	1.03	114	1.66E+04	23.7
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.18E+03	6.18
PCB-50/53 22'46/22'56'-TeCB	21.76	B C	0.9120	0.9119	-0.1	5.38E+05	0.68	0.93	51.8	4.24E+03	4.36
PCB-45 22'36-TeCB	22.36	B EMPC	0.9369	0.9369	0	2.53E+05	0.62	0.78	28.8	4.24E+03	5.16
PCB-51 22'46'-TeCB	22.42	B	0.9395	0.9393	-0.3	5.54E+05	0.79	0.94	52.7	4.24E+03	4.31
PCB-46 22'36'-TeCB	22.63	J B	0.9488	0.9483	-0.7	1.04E+05	0.78	0.74	12.4	4.24E+03	5.43
PCB-52 22'55'-TeCB	23.89	B	1.0010	1.0010	0	9.35E+06	0.79	1.02	814	4.24E+03	3.95
PCB-73 23'5'6-TeCB	24.04	J EMPC	1.0061	1.0073	+1.7	3.14E+04	1.83	1.27	2.2	4.24E+03	3.18

Lab ID: B9847_21458_PCB_002

ACQ: 08-Oct-2024 08:14:47 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill on

UTP: 11-Oct-2024 12:38:08 JLJ

J-level: 20 pg Split: 2

Checkcode: 046-560-QWL/C

Datafile: 241007B16

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.10	J B	1.0100	1.0098	-0.3	1.32E+05	0.89	0.91	13	4.24E+03	4.45
PCB-69/49 23'46/22'45'-TeCB	24.32	B C	1.0181	1.0189	+1.2	2.87E+06	0.73	1.06	241	4.24E+03	3.81
PCB-48 22'45'-TeCB	24.56	B	1.0299	1.0292	-1.0	6.01E+05	0.73	0.89	60.4	4.24E+03	4.56
PCB-44/47/65 ...-TeCB	24.78	B C	1.0391	1.0382	-1.3	7.36E+06	0.78	1.02	644	4.24E+03	3.97
PCB-59/62/75 ...-TeCB	25.06	J B C	1.0505	1.0499	-0.9	4.76E+05	0.79	1.17	36.4	4.24E+03	3.46
PCB-42 22'34'-TeCB	25.23	B	1.0580	1.0571	-1.4	7.82E+05	0.80	0.80	87.1	4.24E+03	5.04
PCB-41 22'34'-TeCB	25.56	B	1.0720	1.0708	-1.8	2.66E+05	0.73	0.71	33.3	4.24E+03	5.68
PCB-71/40 23'4'6/22'33'-TeCB	25.66	B C	1.0761	1.0752	-1.4	1.77E+06	0.80	0.98	161	4.24E+03	4.13
PCB-64 234'6'-TeCB	25.86	B	1.0844	1.0835	-1.4	1.51E+06	0.75	1.20	113	4.24E+03	3.38
PCB-72 23'55'-TeCB	26.57	J	0.8391	0.8398	+1.1	9.94E+04	0.82	1.06	8.36	7.96E+03	7.16
PCB-68 23'45'-TeCB	26.82	B	0.8471	0.8478	+1.1	2.62E+05	0.68	0.98	23.9	7.96E+03	7.75
PCB-57 233'5'-TeCB	27.19	J	0.8589	0.8593	+0.7	6.15E+04	0.84	1.01	5.43	7.96E+03	7.5
PCB-58 233'5'-TeCB	ND		0.8655					1.12	ND	7.96E+03	6.79
PCB-67 23'45'-TeCB	27.55	J	0.8702	0.8707	+0.8	1.79E+05	0.73	1.18	13.5	7.96E+03	6.44
PCB-63 234'5'-TeCB	27.77	J EMPC	0.8775	0.8779	+0.7	1.77E+05	0.93	0.91	17.3	7.96E+03	8.32
PCB-61/70/74/76 ...-TeCB	28.07	B C	0.8867	0.8873	+1.0	1.06E+07	0.74	1.05	900	7.96E+03	7.23
PCB-66 23'44'-TeCB	28.35	B	0.8958	0.8960	+0.3	3.80E+06	0.76	1.04	324	7.96E+03	7.26
PCB-55 233'4'-TeCB	ND		0.9006					1.10	ND	7.96E+03	6.89
PCB-56 233'4'-TeCB	28.93	B	0.9145	0.9145	0	1.24E+06	0.72	1.02	108	7.96E+03	7.4
PCB-60 2344'-TeCB	29.13	B	0.9206	0.9207	+0.2	9.87E+05	0.72	0.88	99.5	7.96E+03	8.57
PCB-80 33'55'-TeCB	ND		0.9306					1.02	ND	7.96E+03	7.47
PCB-79 33'45'-TeCB	30.82	EMPC	0.9730	0.9741	+2.0	4.34E+05	0.66	1.15	33.5	7.96E+03	6.58
PCB-78 33'45'-TeCB	ND		0.9884					0.92	ND	7.96E+03	8.22
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.91E+03	2.84
PCB-96 22'366'-PeCB	25.06	J	1.0146	1.0146	0	1.09E+05	0.62	0.97	11.5	2.91E+03	2.93
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	1.04E+04	13.4
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	1.04E+04	15.9
PCB-95 22'35'6'-PeCB	27.31	B	0.9159	0.9163	+0.7	1.09E+07	0.63	0.72	1,400	1.04E+04	14
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.72	ND	1.04E+04	14.2
PCB-102 22'456'-PeCB	27.61	B	0.9261	0.9265	+0.7	2.88E+05	0.68	0.84	31.7	1.04E+04	12.1
PCB-98 22'34'6'-PeCB	ND		0.9284					0.84	ND	1.04E+04	12.1
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	1.04E+04	14.8
PCB-91 22'34'6'-PeCB	28.05	B	0.9411	0.9414	+0.5	1.38E+06	0.60	0.73	175	1.04E+04	13.9
PCB-84 22'33'6'-PeCB	28.25	B	0.9479	0.9481	+0.3	2.87E+06	0.63	0.61	436	1.04E+04	16.7
PCB-89 22'346'-PeCB	28.67	J EMPC	0.9617	0.9619	+0.3	8.01E+04	0.80	0.73	10.1	1.04E+04	13.9
PCB-121 23'45'6'-PeCB	ND		0.9725					1.10	ND	1.04E+04	9.26
PCB-92 22'355'-PeCB	29.32	B	0.9838	0.9839	+0.2	2.19E+06	0.67	0.68	299	1.04E+04	15
PCB-113/90/101 ...-PeCB	29.82	B C	1.0000	1.0008	+1.4	1.59E+07	0.61	0.81	1,830	1.04E+04	12.6
PCB-83 22'33'5'-PeCB	30.22	B EMPC	1.0148	1.0140	-1.5	3.15E+05	0.40	0.54	53.8	1.04E+04	18.8
PCB-99 22'44'5'-PeCB	30.32	B	1.0176	1.0174	-0.4	4.75E+06	0.61	0.99	444	1.04E+04	10.3
PCB-112 233'56'-PeCB	30.38		1.0213	1.0194	-3.5	2.88E+05	0.61	1.14	23.4	1.04E+04	8.93

Lab ID: B9847_21458_PCB_002

ACQ: 08-Oct-2024 08:14:47 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill on

UTP: 11-Oct-2024 12:38:08 JLJ

J-level: 20 pg Split: 2

Checkcode: 046-560-QWL/C

Datafile: 241007B16

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.82	B C	1.0330	1.0341	+2.0	8.60E+06	0.59	0.88	909	1.04E+04	11.6
PCB-117 234'56-PeCB	31.31	B EMPC	1.0509	1.0506	-0.6	2.37E+05	0.51	0.85	25.8	1.04E+04	11.9
PCB-116/85 23456/22'344'-PeCB	31.39	B C	1.0538	1.0534	-0.8	1.50E+06	0.58	0.84	166	1.04E+04	12.1
PCB-110 233'4'6-PeCB	31.53	B	1.0582	1.0580	-0.4	1.45E+07	0.62	1.09	1,220	1.04E+04	9.29
PCB-115 2344'6-PeCB	31.61		1.0605	1.0606	+0.2	3.86E+05	0.66	1.03	34.5	1.04E+04	9.83
PCB-82 22'33'4-PeCB	31.81	B	1.0679	1.0675	-0.8	8.19E+05	0.67	0.69	110	1.04E+04	14.7
PCB-111 233'55'-PeCB	ND		1.0779					0.95	ND	1.04E+04	10.7
PCB-120 23'455'-PeCB	ND		1.0913					1.15	ND	1.04E+04	8.85
PCB-108/124 ...-PeCB	33.50	J C	0.9915	0.9917	+0.4	3.87E+05	0.55	0.91	39.2	1.04E+04	11.1
PCB-107 233'4'5-PeCB	33.71	B	0.9976	0.9978	+0.4	4.81E+05	0.58	1.00	44.5	1.04E+04	10.2
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	1.04E+04	10.7
PCB-122 233'4'5'-PeCB	ND		1.0095					0.76	ND	1.04E+04	13.6
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	1.04E+04	10.4
PCB-155 22'44'66'-HxCB	29.62	J EMPC	1.0007	1.0008	+0.2	5.32E+04	1.90	0.95	4.54	2.55E+03	2.18
PCB-152 22'3566'-HxCB	29.81	J EMPC	1.0072	1.0073	+0.2	2.66E+04	0.95	0.98	2.21	2.55E+03	2.12
PCB-150 22'34'66'-HxCB	29.92	J EMPC	1.0118	1.0111	-1.3	4.35E+04	1.51	0.84	4.2	2.55E+03	2.47
PCB-136 22'33'66'-HxCB	30.27		1.0228	1.0227	-0.2	3.63E+06	1.21	0.79	373	2.55E+03	2.62
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	2.55E+03	2.28
PCB-148 22'34'56'-HxCB	ND		1.0741					0.91	ND	2.55E+03	2.66
PCB-151/135 ...-HxCB	32.31	C	1.0925	1.0917	-1.6	6.85E+06	1.33	0.89	744	2.55E+03	2.73
PCB-154 22'44'56'-HxCB	32.50	J EMPC	1.0987	1.0982	-1.0	1.20E+05	1.52	0.95	12.1	2.55E+03	2.54
PCB-144 22'345'6-HxCB	32.79		1.1082	1.1079	-0.6	1.03E+06	1.42	0.87	114	2.55E+03	2.78
PCB-147/149 ...-HxCB	33.09	C	1.1186	1.1180	-1.2	1.38E+07	1.22	0.96	1,400	2.55E+03	2.54
PCB-134 22'33'56-HxCB	33.27	EMPC	1.1248	1.1243	-1.0	5.52E+05	0.97	0.71	74.8	2.55E+03	3.41
PCB-143 22'3456'-HxCB	33.36	J EMPC	1.1273	1.1272	-0.2	3.64E+04	1.81	0.85	4.13	2.55E+03	2.85
PCB-139/140 ...-HxCB	33.60	J B EMPC C	1.1359	1.1353	-1.2	1.95E+05	1.63	0.93	20.3	2.55E+03	2.62
PCB-131 22'33'46-HxCB	33.79	J EMPC	1.1421	1.1417	-0.8	1.32E+05	0.99	0.80	15.8	2.55E+03	3.02
PCB-142 22'3456-HxCB	ND		1.1468					0.78	ND	2.55E+03	3.1
PCB-132 22'33'46'-HxCB	34.18	B	1.1554	1.1549	-1.0	3.38E+06	1.24	0.81	403	2.55E+03	3.01
PCB-133 22'33'55'-HxCB	34.57	J EMPC	1.1687	1.1681	-1.2	1.37E+05	1.53	0.90	14.7	2.55E+03	2.7
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	2.55E+03	2.43
PCB-146 22'34'55'-HxCB	35.12	B	0.9569	0.9570	+0.2	1.51E+06	1.26	1.00	146	2.55E+03	2.44
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	2.55E+03	2.04
PCB-153/168 ...-HxCB	35.65	C	0.9717	0.9712	-1.1	1.14E+07	1.25	1.09	1,010	2.55E+03	2.24
PCB-141 22'3455'-HxCB	35.82		0.9761	0.9761	0	2.38E+06	1.20	0.79	291	2.55E+03	3.08
PCB-130 22'33'45'-HxCB	36.18		0.9856	0.9857	+0.2	3.37E+05	1.28	0.67	48.8	2.55E+03	3.64
PCB-137 22'344'5-HxCB	36.36	EMPC	0.9907	0.9907	0	1.94E+05	1.76	0.71	26.3	2.55E+03	3.4
PCB-164 233'4'5'6-HxCB	36.46		0.9933	0.9935	+0.4	6.30E+05	1.19	1.18	51.7	2.55E+03	2.06
PCB-163/138/129 ...-HxCB	36.73	B C	1.0011	1.0007	-0.9	7.34E+06	1.26	0.85	837	2.55E+03	2.87
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	2.55E+03	2.44
PCB-158 233'44'6-HxCB	37.06	B	1.0097	1.0097	0	9.73E+05	1.12	1.09	86.4	2.55E+03	2.23

Lab ID: B9847_21458_PCB_002

ACQ: 08-Oct-2024 08:14:47 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill on

UTP: 11-Oct-2024 12:38:08 JLJ

J-level: 20 pg Split: 2

Checkcode: 046-560-QWL/C

Datafile: 241007B16

RPT: 11-Oct-2024 12:54 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

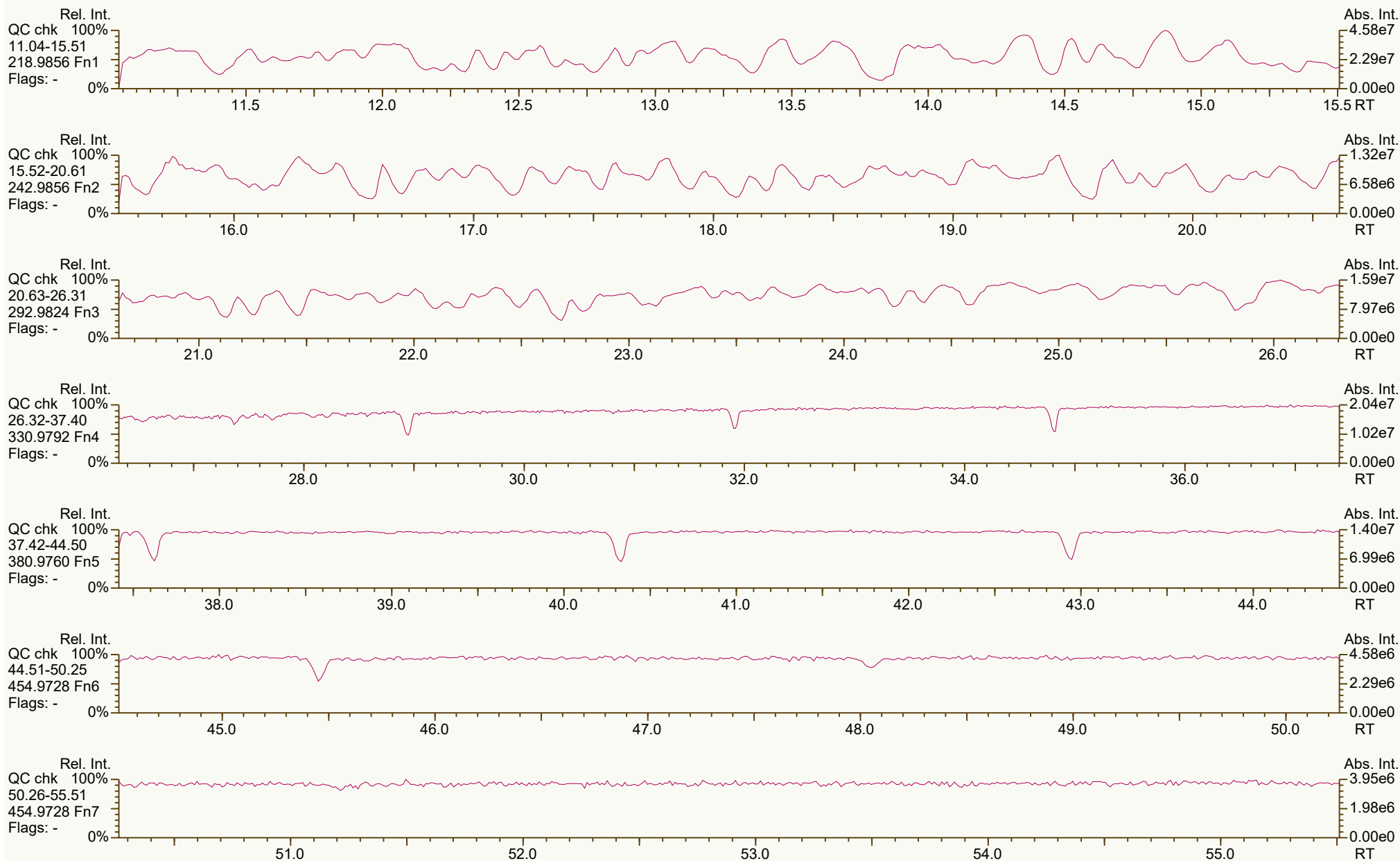
Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.83	B EMPC C	0.9631	0.9637	+1.4	5.77E+05	1.49	0.90	67.9	3.87E+03	4.71
PCB-159 233'455'-HxCB	38.60	J EMPC	0.9839	0.9833	-1.4	9.71E+04	1.88	1.13	9.07	3.87E+03	3.73
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	3.87E+03	4.47
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.48E+03	2.09
PCB-179 22'33'566'-HpCB	34.80		1.0095	1.0094	-0.2	2.35E+06	1.00	1.02	183	2.48E+03	1.97
PCB-184 22'344'66'-HpCB	35.22	J	1.0221	1.0216	-1.1	8.34E+04	1.04	0.95	7.01	2.48E+03	2.11
PCB-176 22'33'466'-HpCB	35.55		1.0313	1.0312	-0.2	7.37E+05	0.99	0.86	68.6	2.48E+03	2.34
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	2.48E+03	1.95
PCB-178 22'33'55'6'-HpCB	37.08		1.0758	1.0757	-0.2	6.66E+05	0.94	0.66	80.2	2.48E+03	3.03
PCB-175 22'33'45'6'-HpCB	37.62	J	1.0915	1.0913	-0.5	8.24E+04	1.03	0.97	10.7	3.23E+03	4.4
PCB-187 22'34'55'6'-HpCB	37.86		1.0982	1.0981	-0.2	3.08E+06	0.98	1.21	321	3.23E+03	3.54
PCB-182 22'344'56'-HpCB	38.04	J EMPC	1.1032	1.1034	+0.5	3.19E+04	0.68	1.17	3.44	3.23E+03	3.65
PCB-183 22'344'5'6'-HpCB	38.38	B	1.1133	1.1132	-0.2	1.28E+06	1.09	1.00	161	3.23E+03	4.27
PCB-185 22'3455'6'-HpCB	38.48	EMPC	1.1161	1.1161	0	2.96E+05	1.25	0.94	39.7	3.23E+03	4.55
PCB-174 22'33'456'-HpCB	38.59		1.1195	1.1194	-0.2	1.88E+06	1.10	1.02	233	3.23E+03	4.2
PCB-177 22'33'45'6'-HpCB	38.97	B	1.1304	1.1303	-0.2	7.95E+05	0.95	0.98	102	3.23E+03	4.36
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	3.23E+03	4.15
PCB-171/173 ...-HpCB	39.51	C	1.1458	1.1459	+0.2	3.48E+05	1.08	0.88	49.8	3.23E+03	4.86
PCB-172 22'33'455'-HpCB	40.86		0.9058	0.9056	-0.5	1.62E+05	0.96	0.86	23.8	3.23E+03	4.98
PCB-192 233'455'6'-HpCB	ND		0.9112					1.22	ND	3.23E+03	3.52
PCB-180/193 ...-HpCB	41.42	B C	0.9175	0.9180	+1.2	2.12E+06	0.99	1.01	265	3.23E+03	4.24
PCB-191 233'44'5'6'-HpCB	41.73	J EMPC	0.9247	0.9249	+0.5	5.02E+04	1.24	1.05	6.08	3.23E+03	4.1
PCB-170 22'33'44'5'-HpCB	42.50	B	0.9422	0.9420	-0.5	4.17E+05	0.92	0.93	71.9	3.23E+03	5.87
PCB-190 233'44'56-HpCB	42.95	J	0.9521	0.9520	-0.3	8.95E+04	1.14	1.27	11.4	3.23E+03	4.33
PCB-202 22'33'55'66'-OcCB	39.05	EMPC	1.0006	1.0005	-0.2	2.21E+05	0.70	0.96	22.6	2.38E+03	2.49
PCB-201 22'33'45'66'-OcCB	39.84		1.0206	1.0207	+0.2	1.91E+05	0.97	0.79	23.6	2.38E+03	3
PCB-204 22'344'566'-OcCB	40.42	J	1.0353	1.0355	+0.5	2.74E+04	0.76	0.91	2.94	2.38E+03	2.61
PCB-197 22'33'44'66'-OcCB	40.59	J EMPC	1.0403	1.0400	-0.7	5.12E+04	1.54	0.83	6.03	2.38E+03	2.86
PCB-200 22'33'4566'-OcCB	40.70	J B	1.0430	1.0429	-0.2	1.31E+05	0.96	0.81	15.9	2.38E+03	2.95
PCB-198/199 ...-OcCB	43.07	B C	1.1028	1.1035	+1.8	3.50E+05	0.85	0.63	54	2.38E+03	3.75
PCB-196 22'33'44'56'-OcCB	43.62	B EMPC	1.1176	1.1176	0	1.64E+05	1.08	0.54	29.5	2.38E+03	4.37
PCB-203 22'344'55'6'-OcCB	43.79	B	1.1219	1.1219	0	2.20E+05	0.86	0.67	32.1	2.38E+03	3.55
PCB-195 22'33'44'56-OcCB	44.95	J	0.9493	0.9495	+0.5	5.90E+04	0.80	0.91	12.8	2.10E+03	5.21
PCB-194 22'33'44'55'-OcCB	46.93	J EMPC	0.9912	0.9913	+0.3	7.81E+04	1.03	0.86	17.8	2.10E+03	5.5
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	2.10E+03	5.14
PCB-208 22'33'455'66'-NoCB	44.71	J EMPC	1.0005	1.0007	+0.5	4.57E+04	0.65	0.96	7.6	4.30E+03	7.45
PCB-207 22'33'44'566'-NoCB	45.49	J	1.0181	1.0181	0	3.30E+04	0.79	0.87	6.06	4.30E+03	8.21
PCB-206 22'33'44'55'6'-NoCB	49.07	J	1.0005	1.0005	0	6.62E+04	0.73	0.93	19	4.30E+03	15.1
AS PCB-32	19.955		1.2602	1.2601	-0.1	3.04E+07	1.04	0.84	55.4 %	50%	150%
AS PCB-97	30.741		1.0318	1.0316	-0.4	3.03E+07	1.54	0.85	57.7 %	50%	150%
AS PCB-159	38.606		1.0518	1.0519	+0.2	5.30E+07	1.26	1.16	81.2 %	50%	150%

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 046-560

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 12:59 Page 1 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



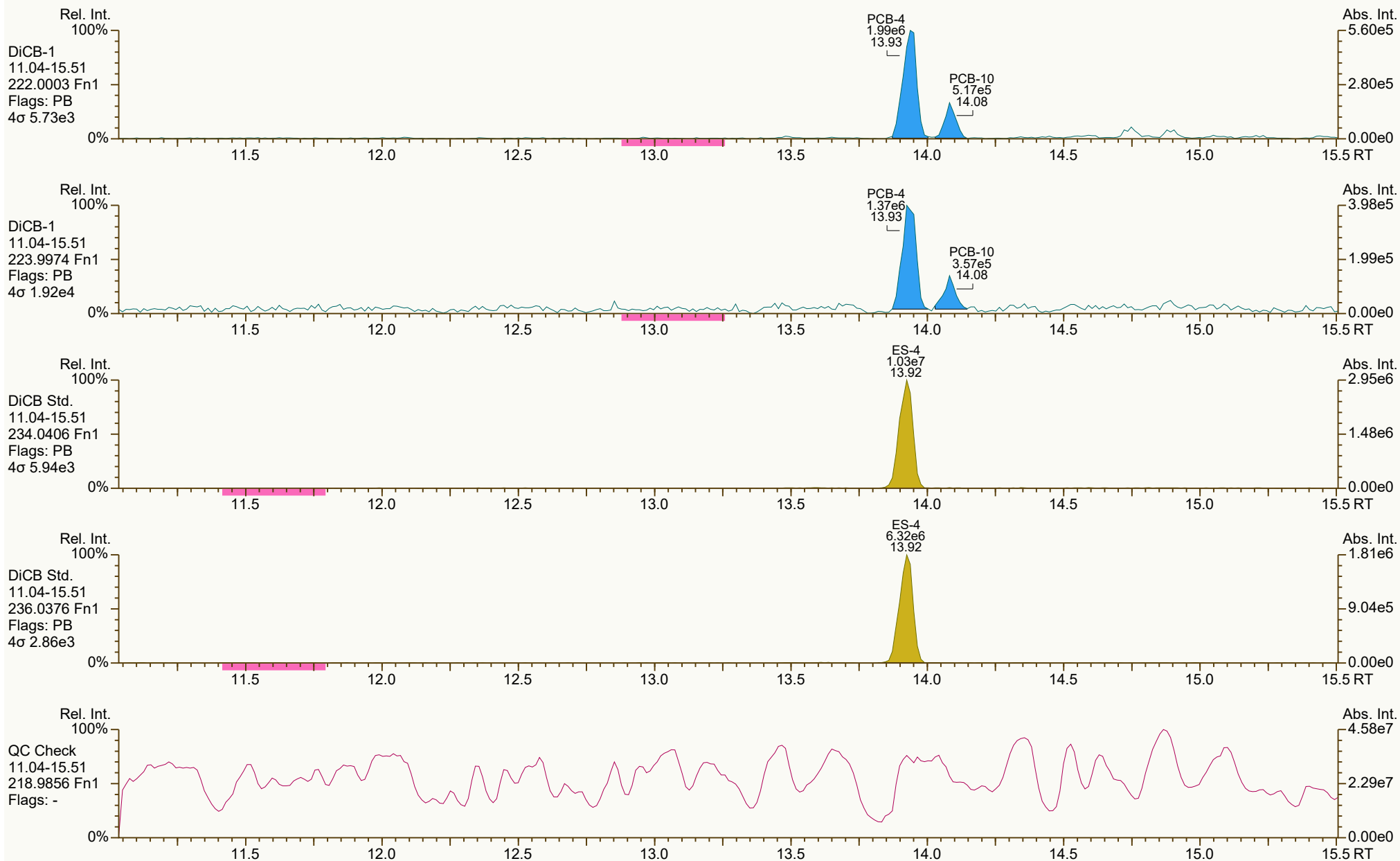
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8528, 3596 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 2 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



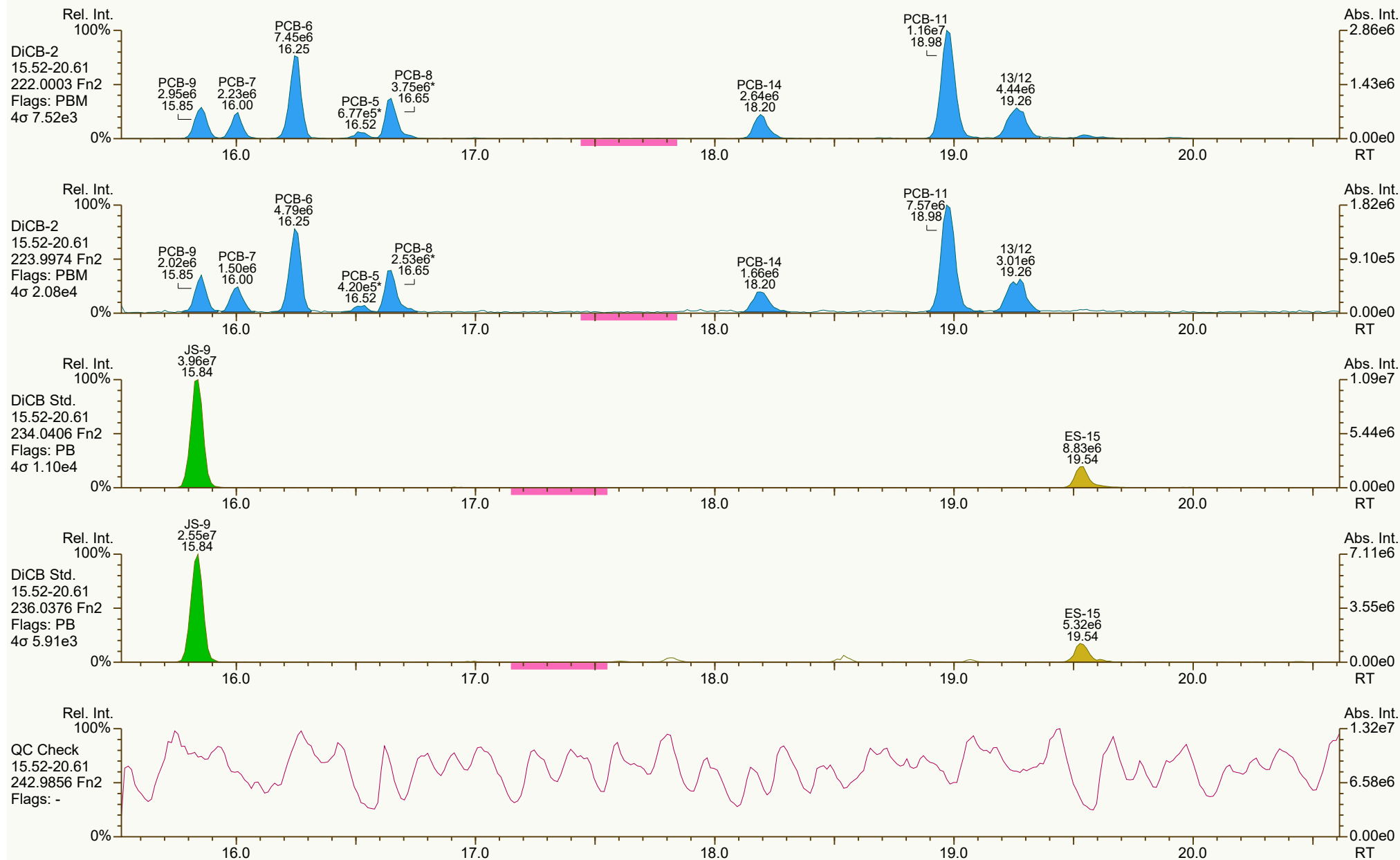
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9989, 4437 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 3 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



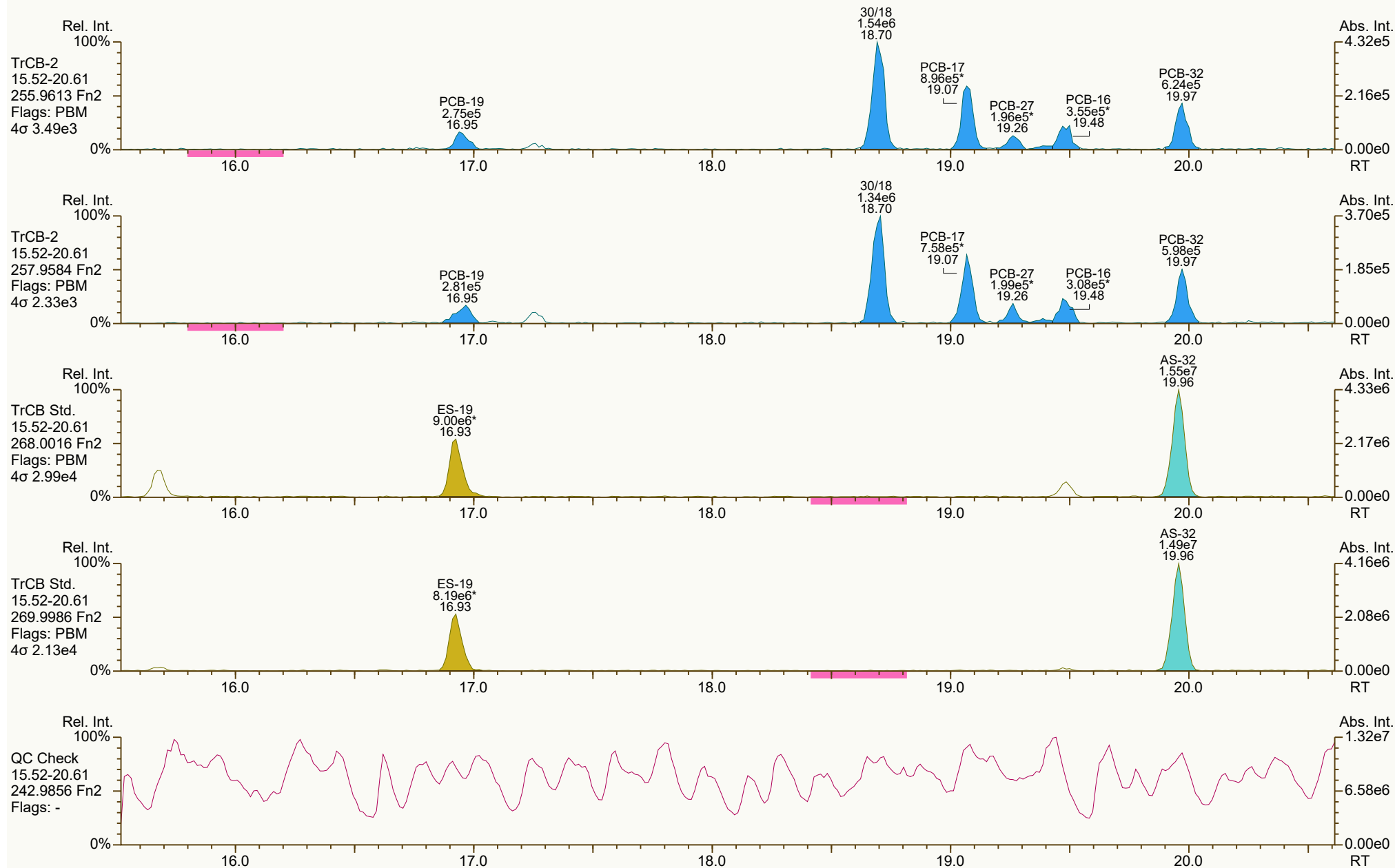
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5120, 5081 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 4 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



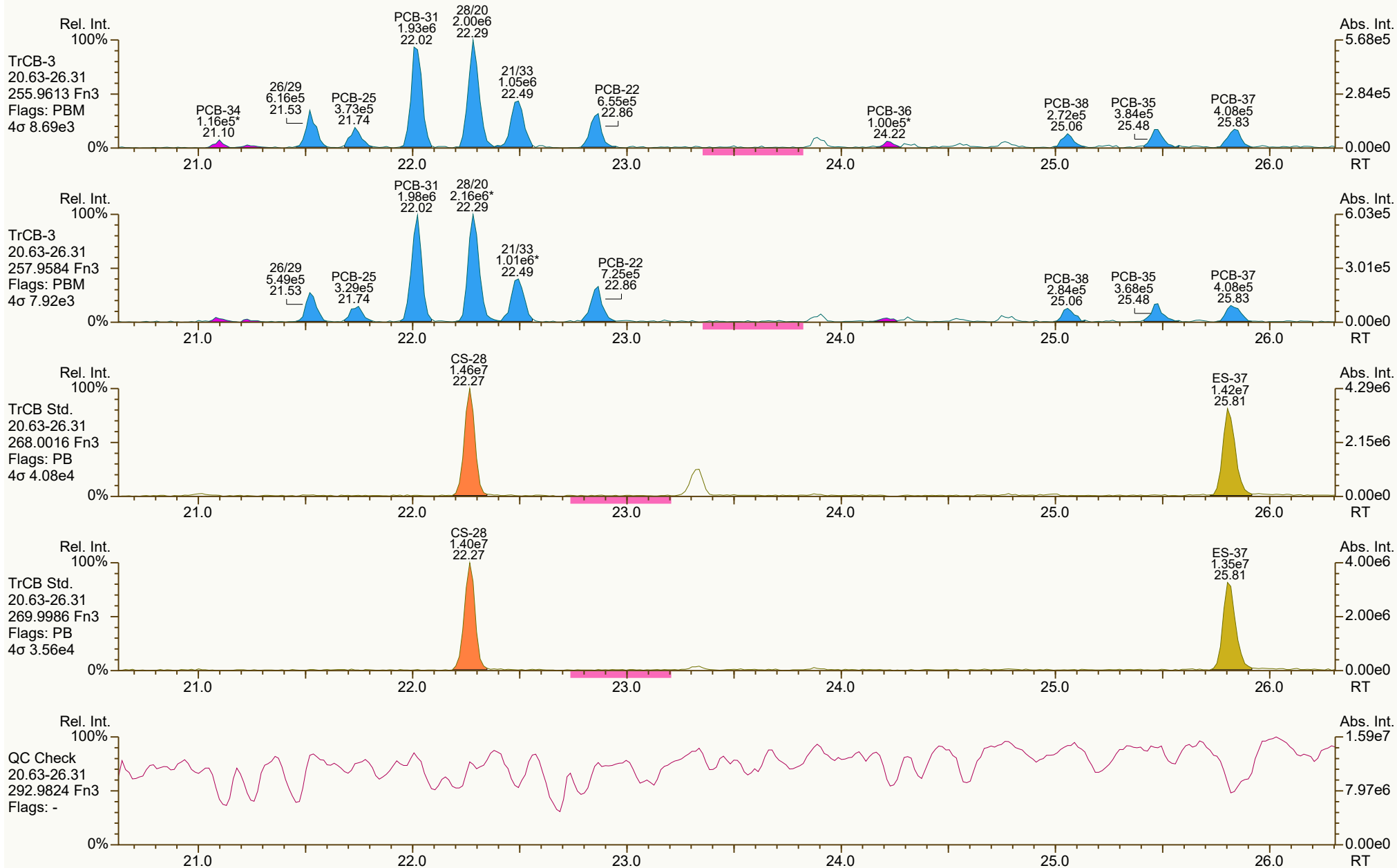
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2015, 8736 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 5 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



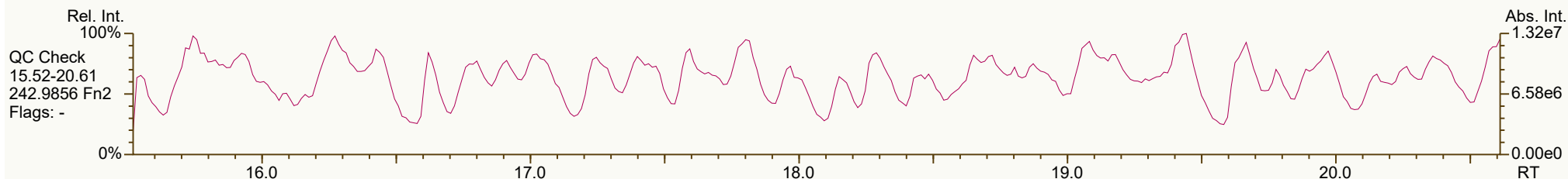
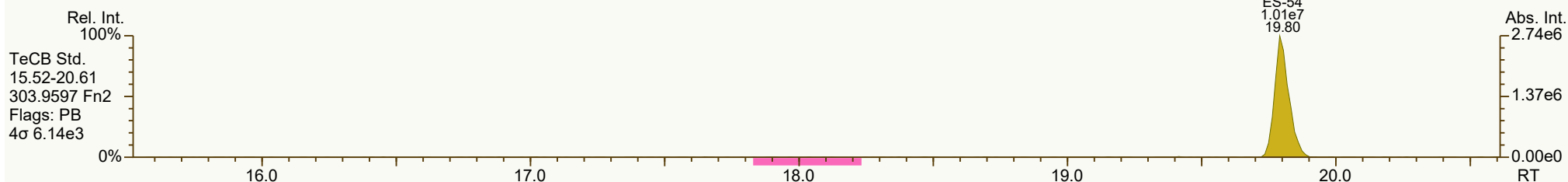
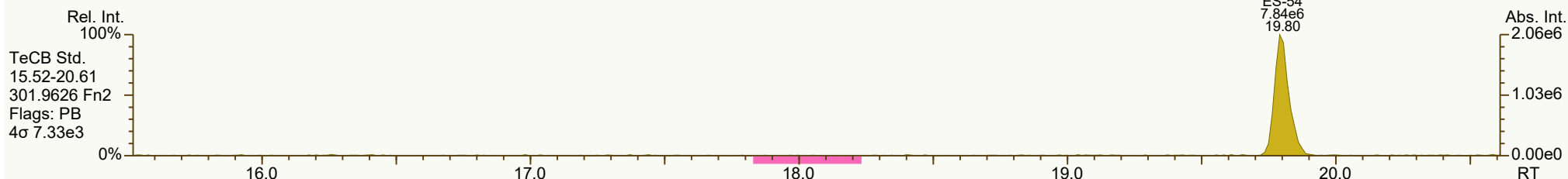
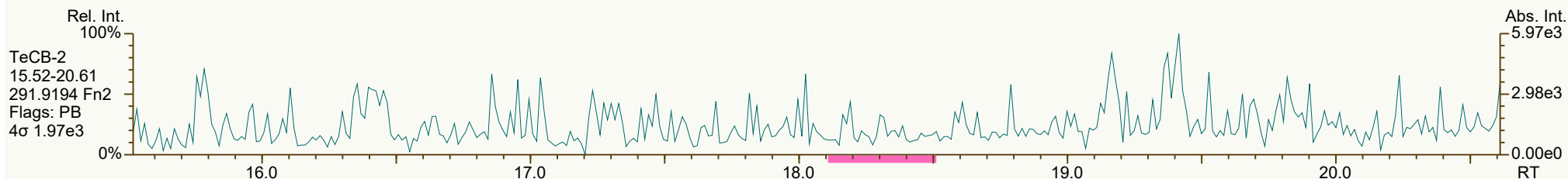
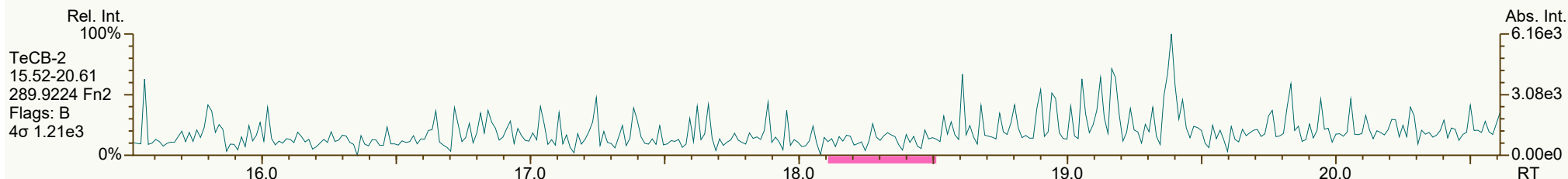
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3120, 0749 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 6 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



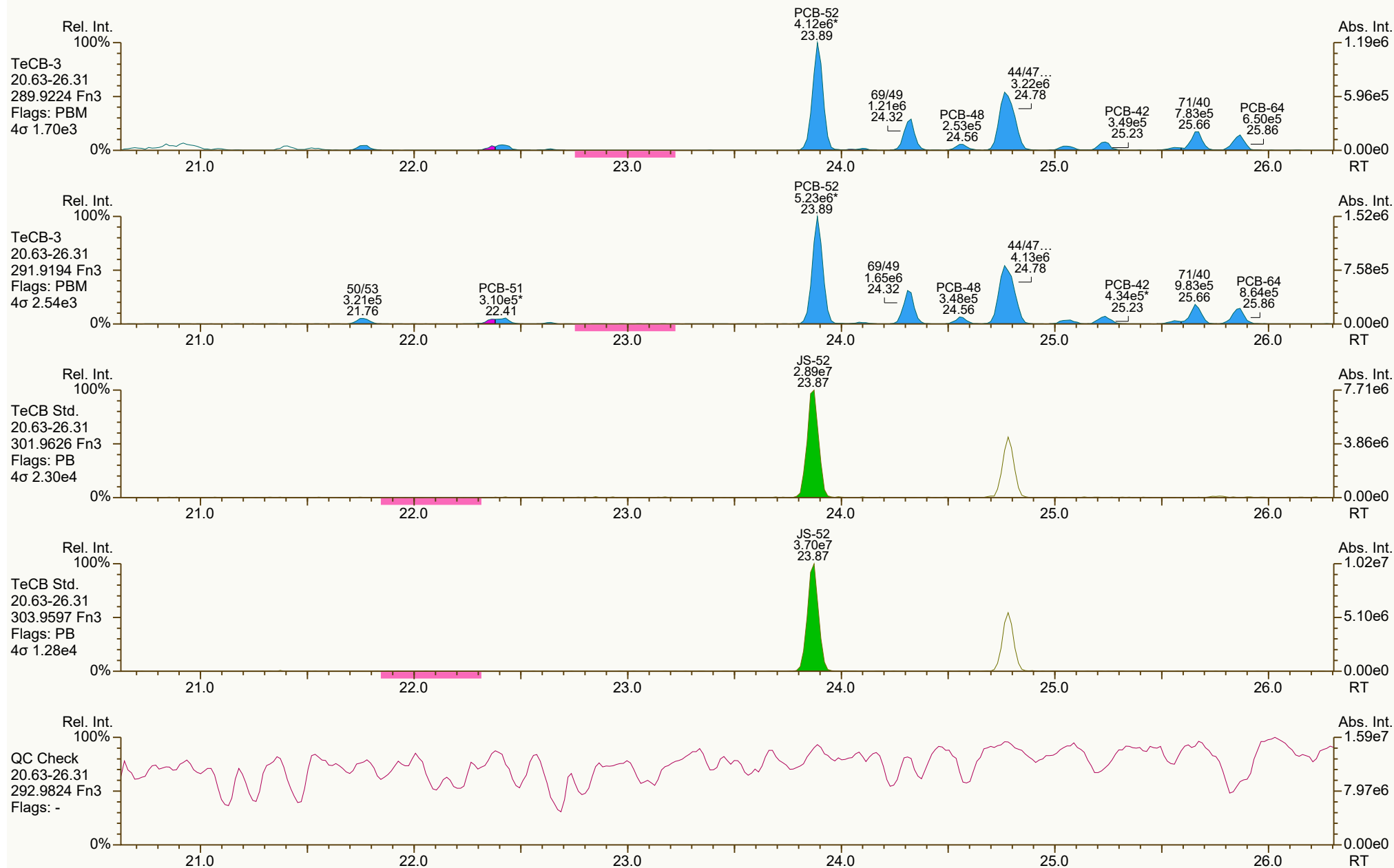
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6668, 6632 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 7 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



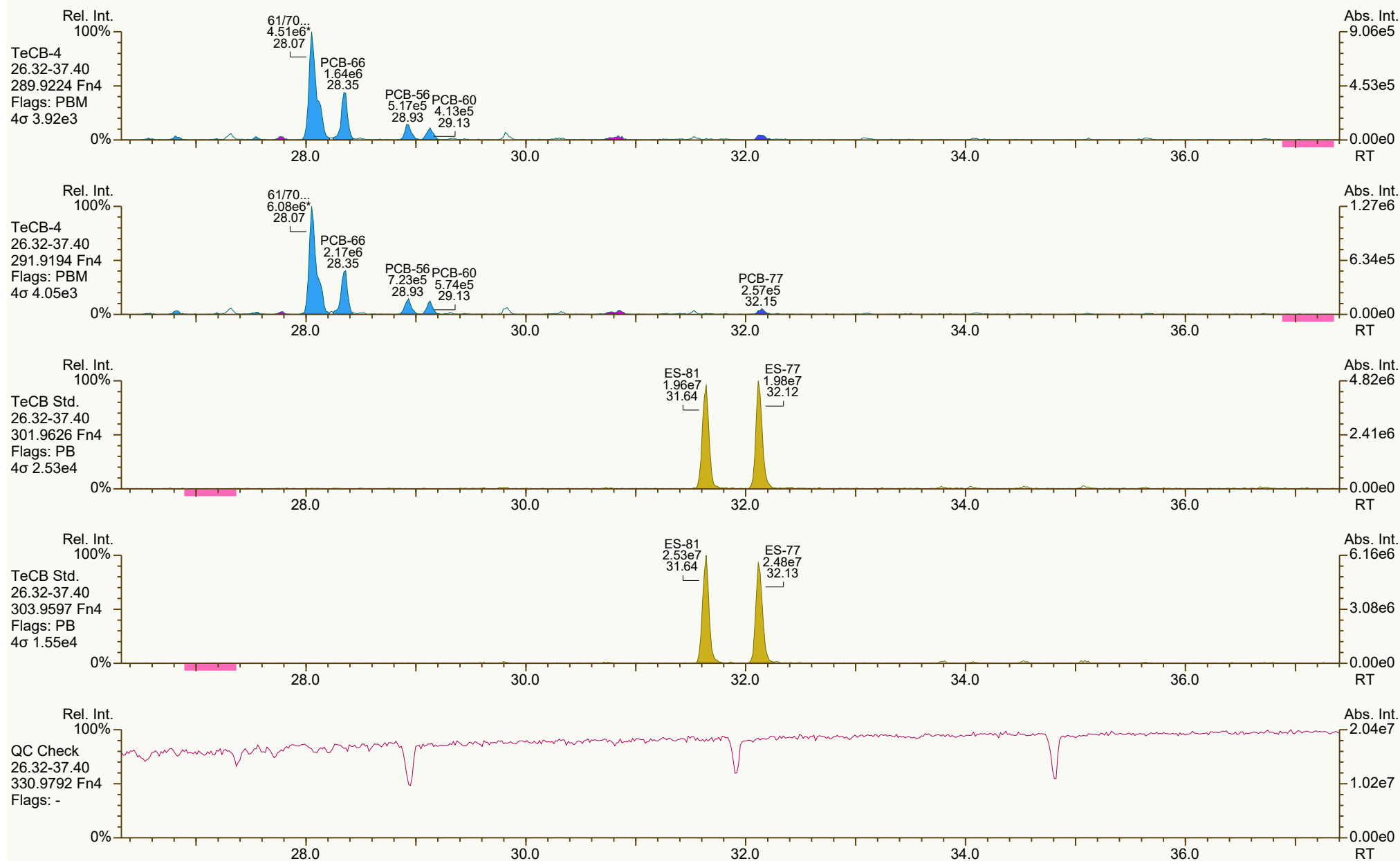
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5389, 2457 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 8 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2853, 0807 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 9 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



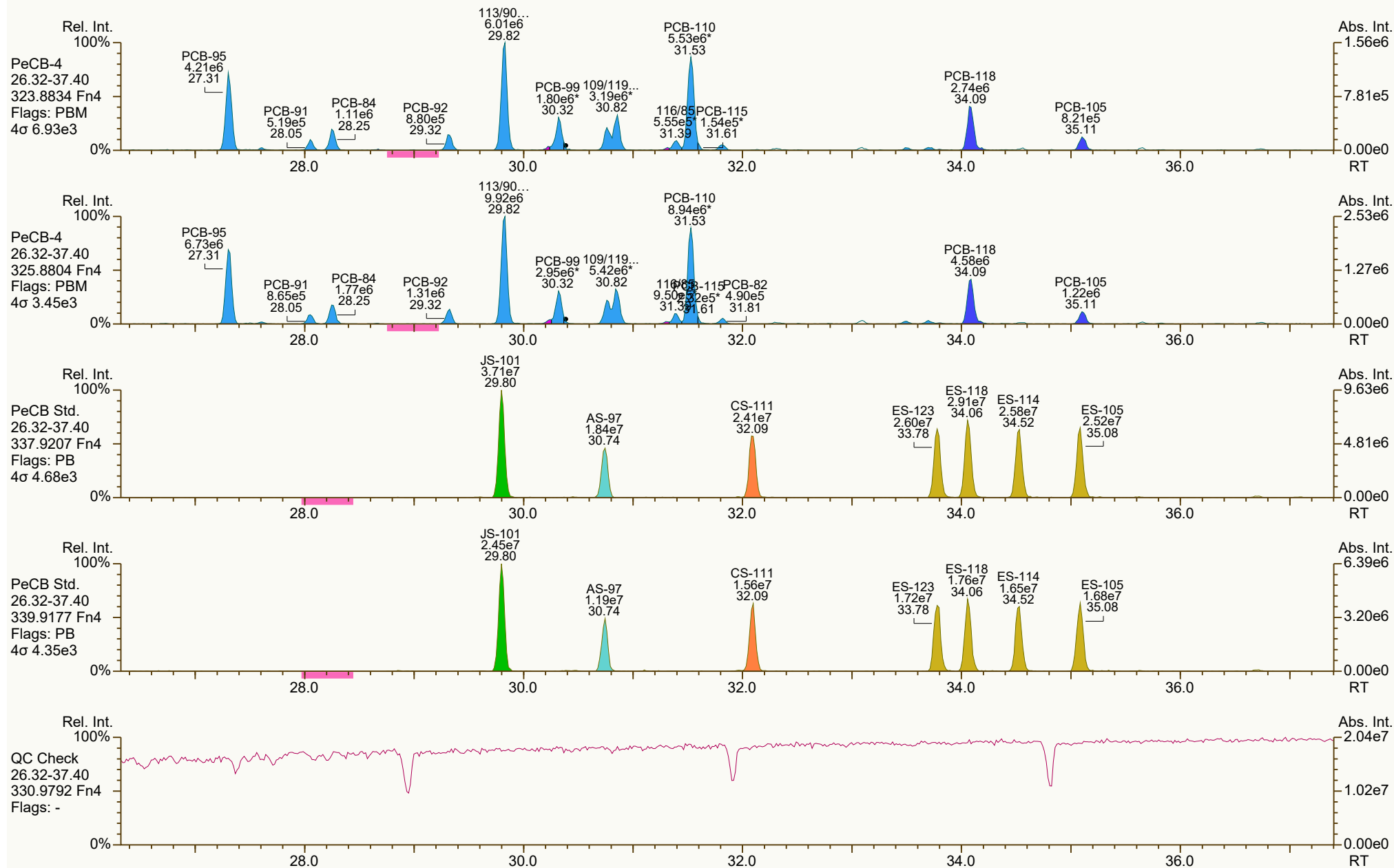
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2574, 7450 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 10 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



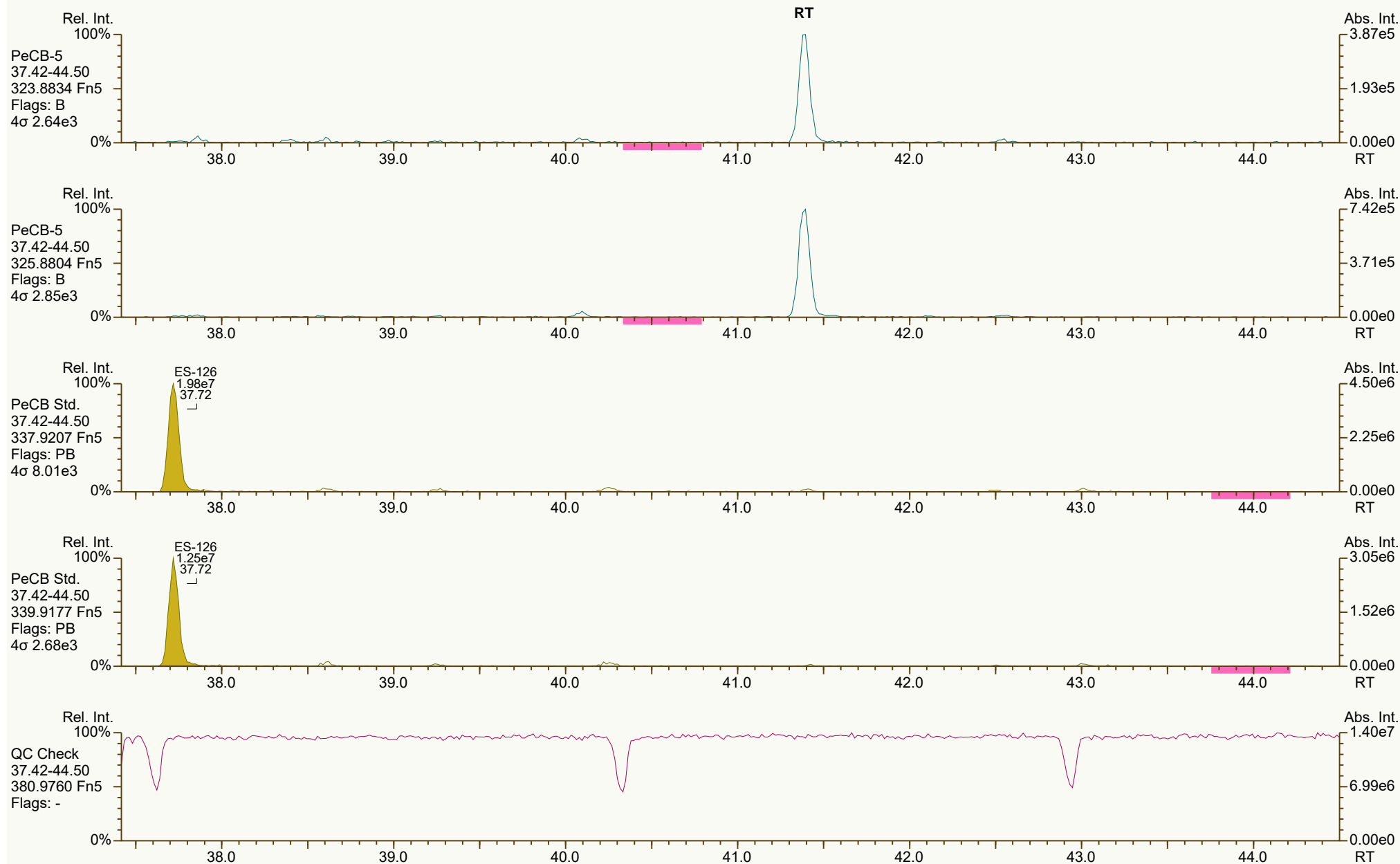
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4921, 7946 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 11 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



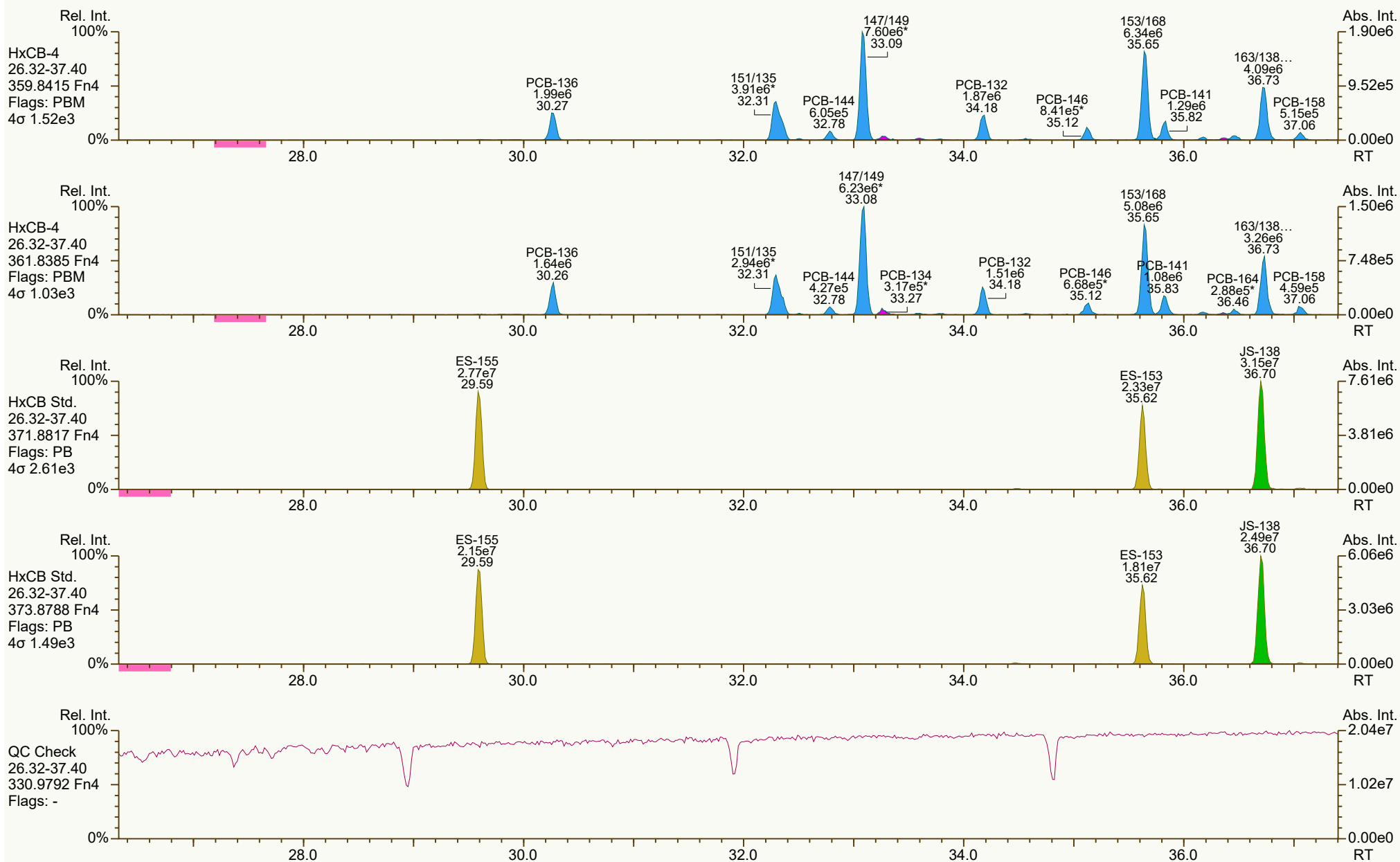
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3145, 8562 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 12 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



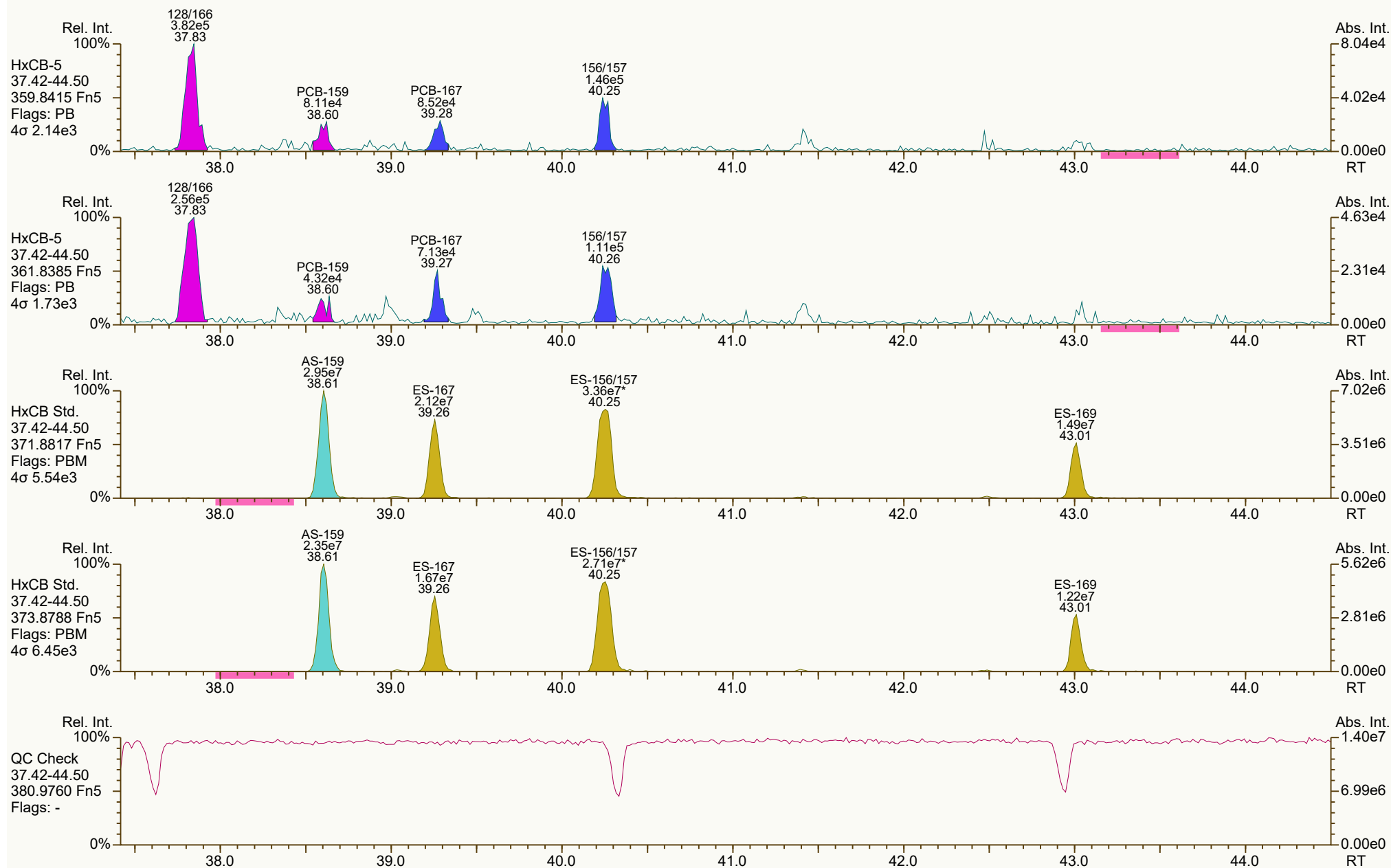
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3735, 8933 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 13 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



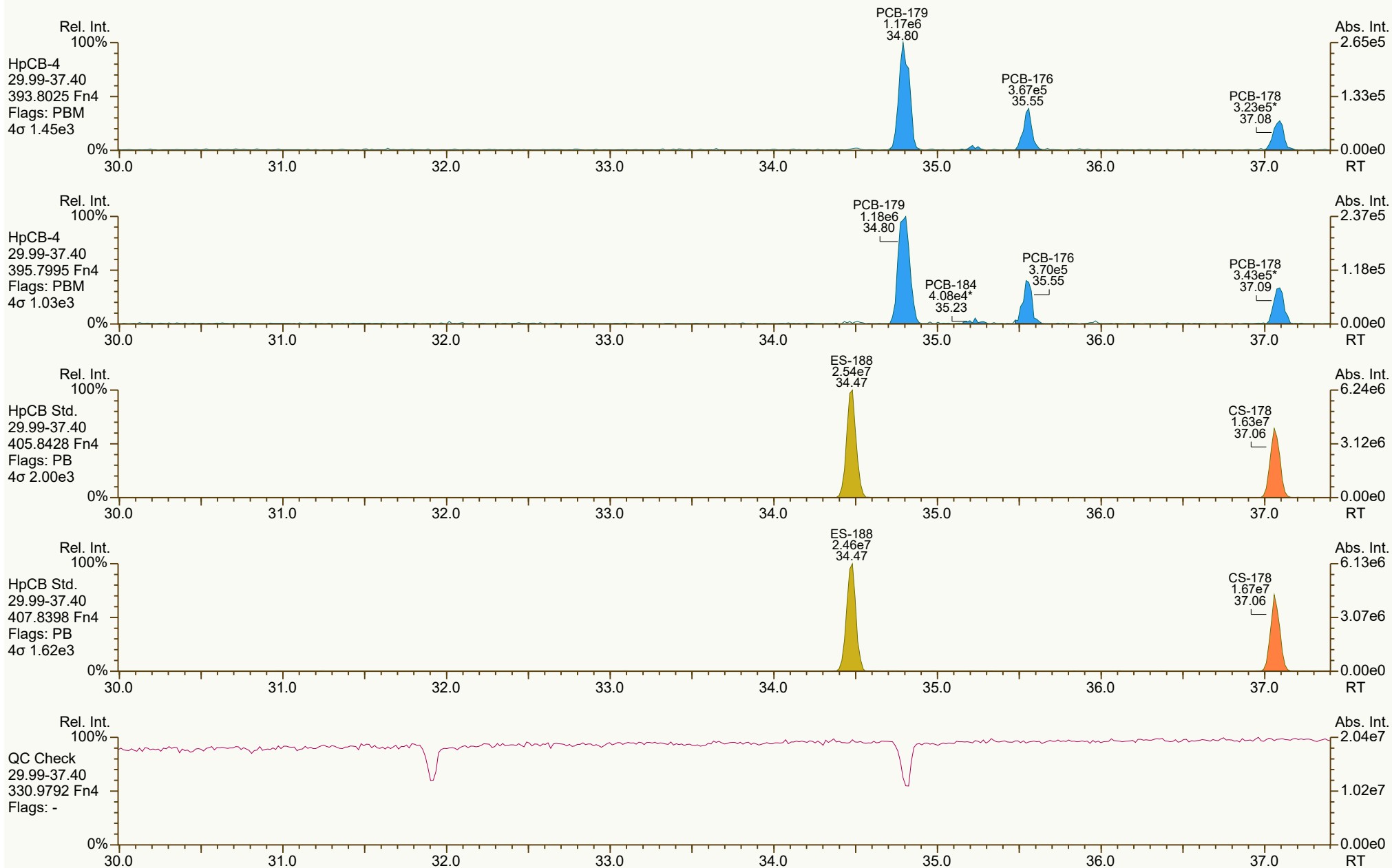
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1959, 0711 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 14 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



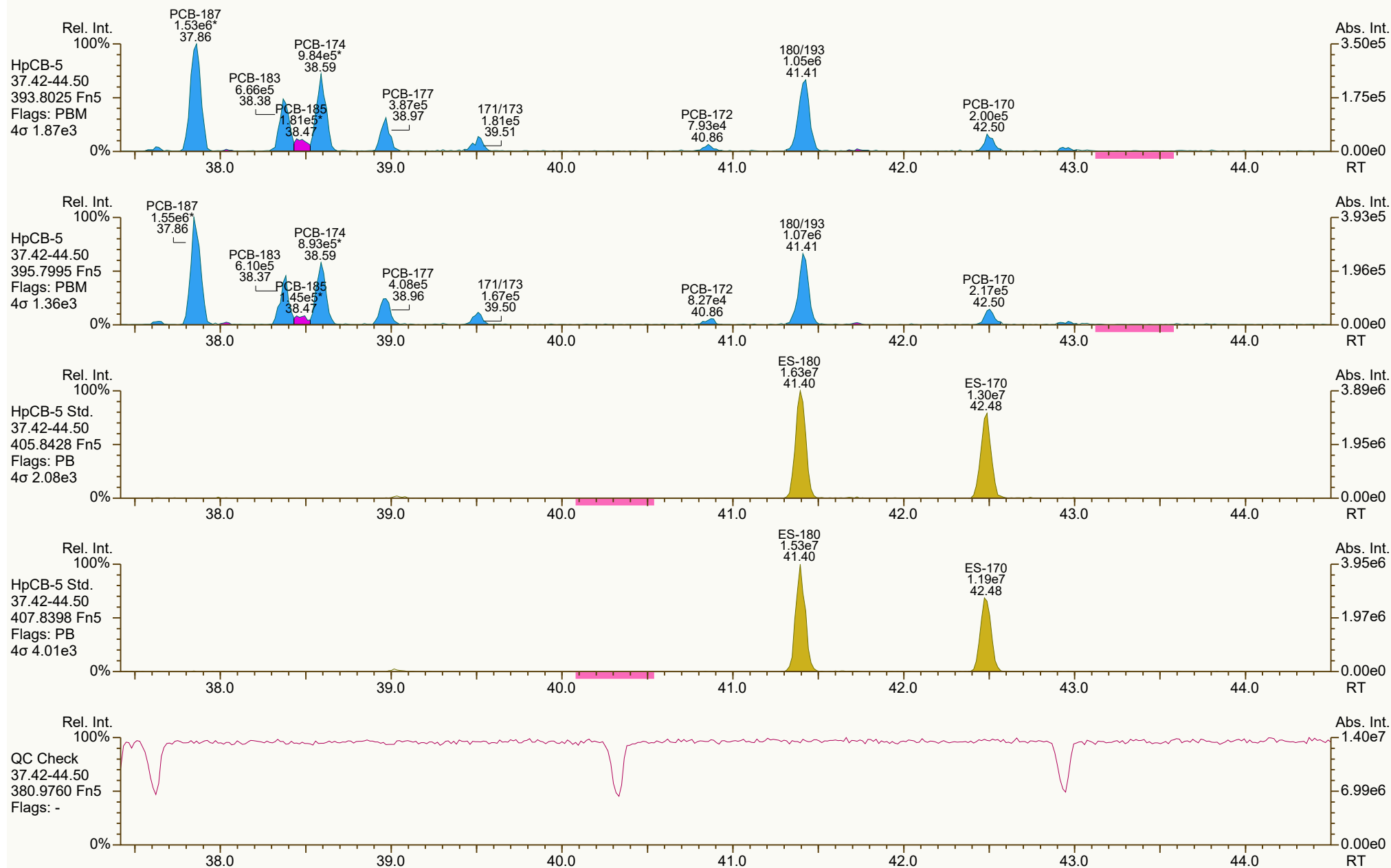
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9743, 0600 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 15 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



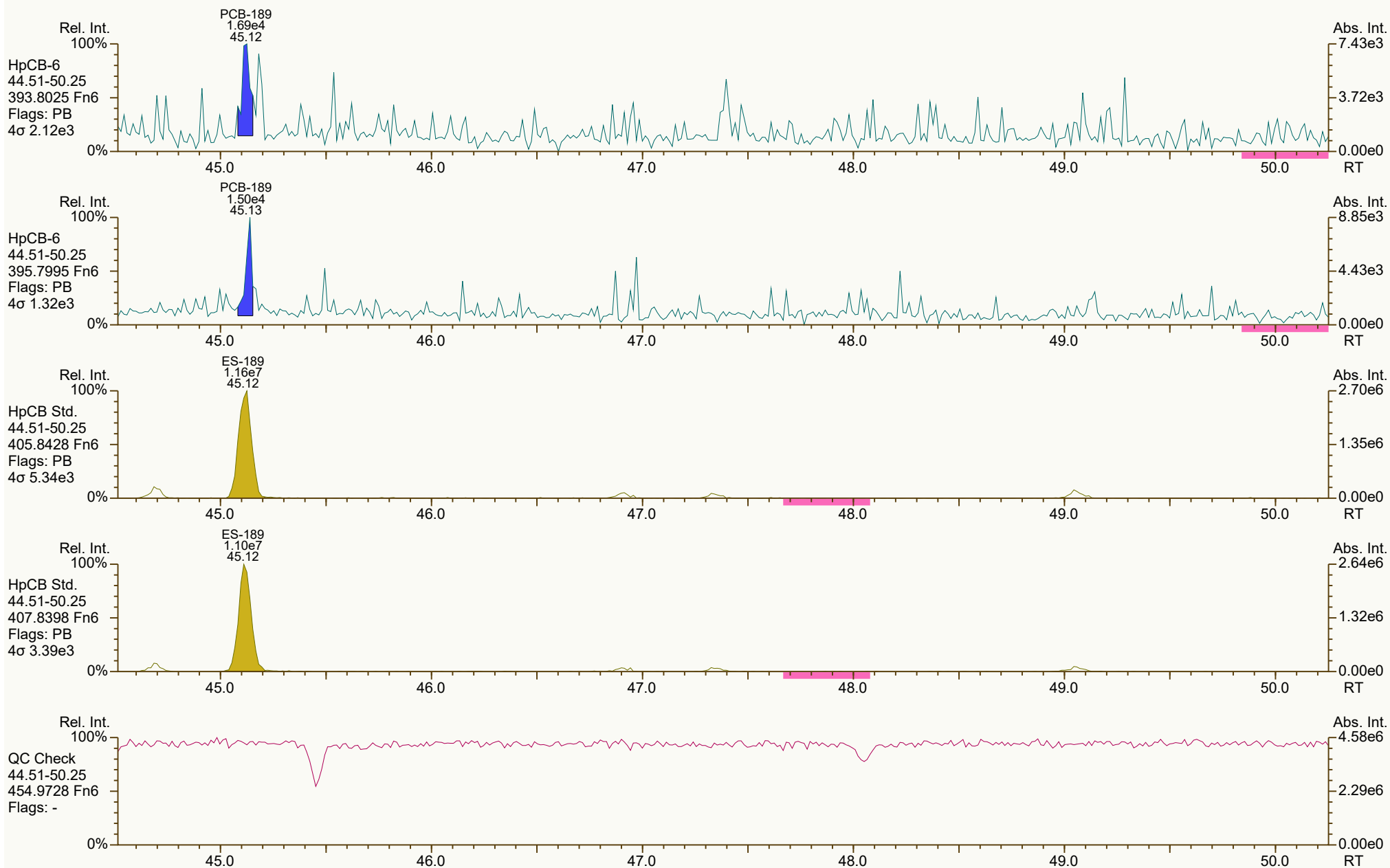
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7925, 6600 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 16 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



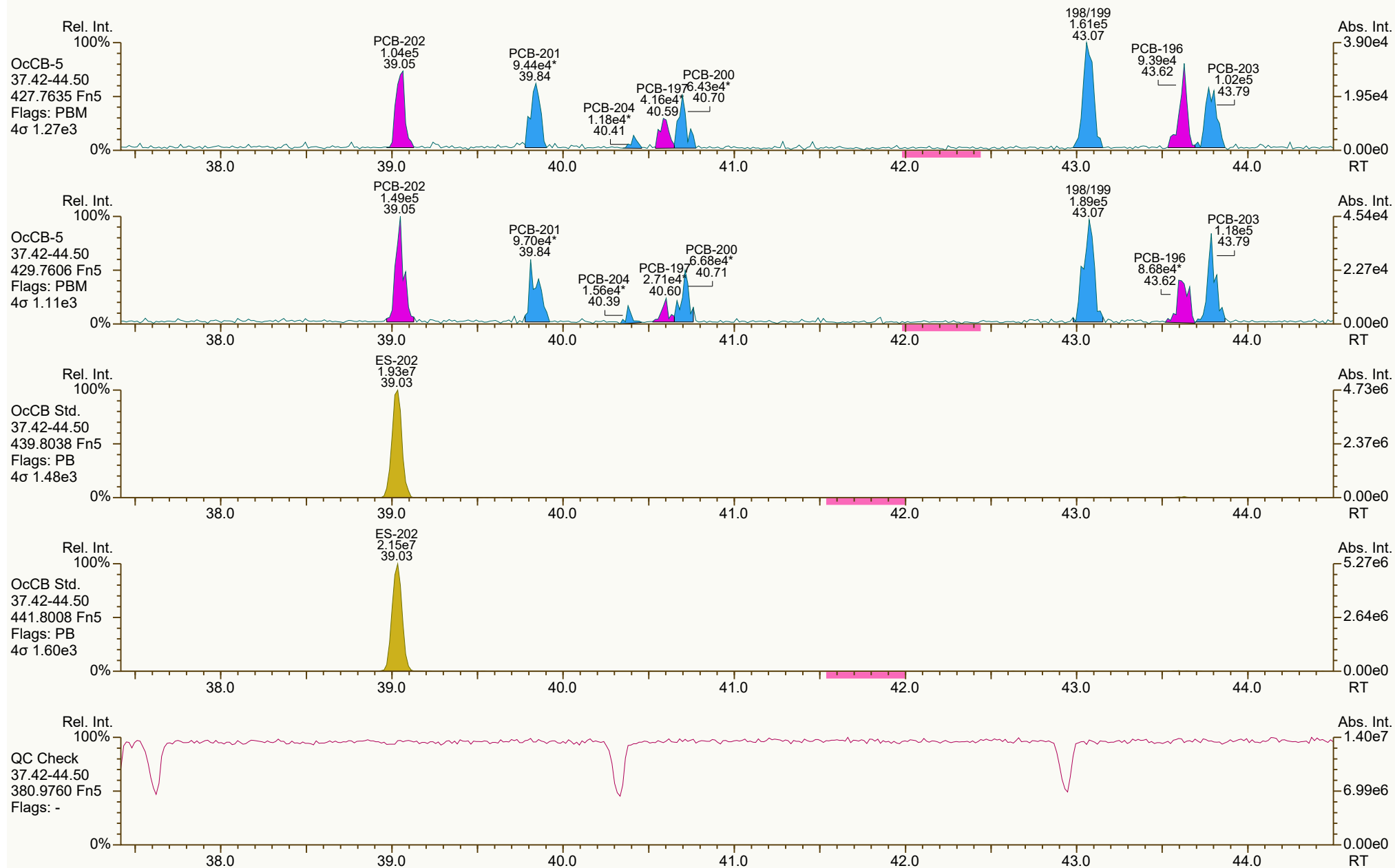
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2923, 8303 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 17 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



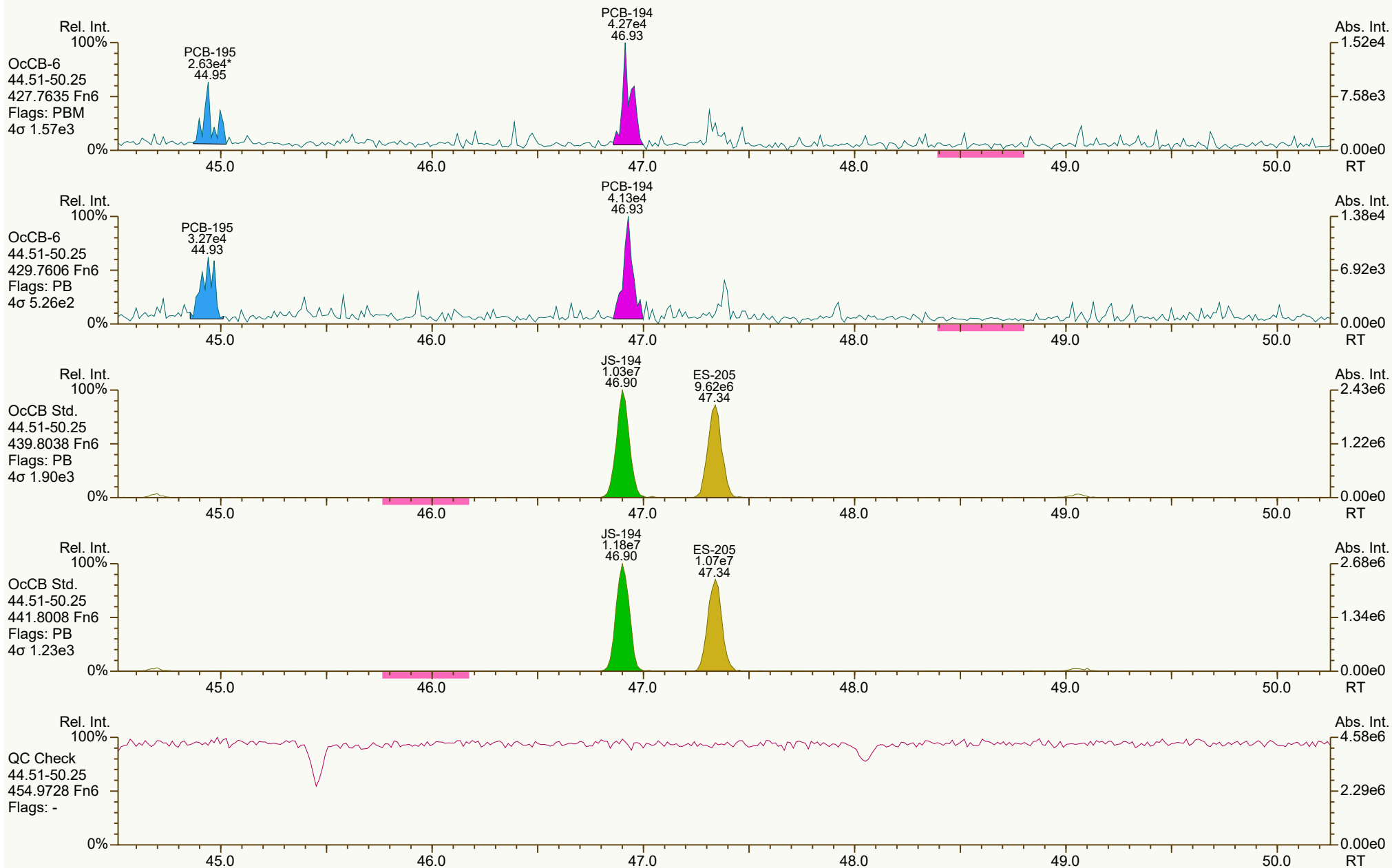
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6783, 8738 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 18 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3153, 3633 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 19 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5555, 1433 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 20 of 21

SGS ID: B9847_21458_PCB_002
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 55

Acq: 08-Oct-2024 08:14:47
User: JLJ Datafile: 241007B16



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_002.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7300, 2329 scc: 046-560

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 13:51 Printed: 11-Oct-2024 12:59 Page 21 of 21

Lab ID: B9847_21458_PCB_003

ACQ: 08-Oct-2024 09:13:29 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill on

UTP: 11-Oct-2024 12:38:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 160-397-NQY/C

Datafile: 241007B17

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.14		1.0006	1.0004	-0.4	2.65E+05	0.67	0.95	21.3	6.63E+03	5.68
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	6.63E+03	5.95
PCB-105 233'44'-PeCB	35.10	B	1.0006	1.0007	+0.2	1.13E+06	0.64	0.97	90.5	4.97E+03	4.38
PCB-114 2344'5-PeCB	34.54	J EMPC	1.0007	1.0005	-0.4	6.77E+04	0.91	0.96	5.41	4.97E+03	4.11
PCB-118 23'44'5-PeCB	34.08	B	1.0007	1.0007	0	3.19E+06	0.61	0.99	242	4.97E+03	3.77
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	4.97E+03	4.09
PCB-126 33'44'5-PeCB	37.73	J	1.0005	1.0004	-0.2	4.46E+04	0.68	0.96	4.79	5.80E+03	6.98
PCB-156/157 ...-HxCB	40.24	J B C	1.0005	1.0000	-1.2	1.89E+05	1.27	0.96	21.1	4.38E+03	6.86
PCB-167 23'44'55'-HxCB	39.26	J B	1.0005	1.0003	-0.5	8.25E+04	1.24	0.94	8.3	4.38E+03	4.61
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	4.38E+03	6.16
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.52E+03	6.17
PCB-209 DeCB	50.84	J EMPC	1.0005	1.0004	-0.3	4.35E+04	1.54	0.95	11.1	2.29E+03	8.84
ES PCB-1	11.48		0.7219	0.7219	0	6.69E+06	3.46	1.19	10.9 %	5%	145%
ES PCB-3	13.71		0.8628	0.8624	-0.3	2.06E+07	2.75	1.13	35.3 %	5%	145%
ES PCB-4	14.00		0.8777	0.8804	+2.3	1.02E+07	1.65	0.72	27.4 %	5%	145%
ES PCB-15	19.60		1.2345	1.2322	-2.7	1.41E+07	1.63	1.07	25.4 %	5%	145%
ES PCB-19	17.00		1.0688	1.0688	0	1.33E+07	1.06	0.65	39.7 %	5%	145%
ES PCB-37	25.85		1.0824	1.0807	-2.6	2.47E+07	1.05	1.40	30 %	5%	145%
ES PCB-54	19.87		0.8288	0.8306	+2.1	1.32E+07	0.67	1.23	18.1 %	5%	145%
ES PCB-77	32.13		1.3483	1.3431	-10.0	5.24E+07	0.80	1.28	69.5 %	10%	145%
ES PCB-81	31.65		1.3278	1.3228	-9.5	5.18E+07	0.79	1.33	66.2 %	10%	145%
ES PCB-104	24.75		0.8278	0.8299	+3.1	3.52E+07	1.53	1.32	39.7 %	10%	145%
ES PCB-105	35.08		1.1779	1.1764	-3.2	5.14E+07	1.67	1.26	60.8 %	10%	145%
ES PCB-114	34.52		1.1590	1.1577	-2.7	5.21E+07	1.54	1.34	57.7 %	10%	145%
ES PCB-118	34.06		1.1434	1.1421	-2.7	5.35E+07	1.62	1.31	60.6 %	10%	145%
ES PCB-123	33.78		1.1339	1.1328	-2.2	5.16E+07	1.56	1.27	60.5 %	10%	145%
ES PCB-126	37.71		1.2663	1.2647	-3.6	3.86E+07	1.52	1.19	48.4 %	10%	145%
ES PCB-153	35.62		0.9706	0.9707	+0.2	4.98E+07	1.28	1.11	65.2 %	10%	145%
ES PCB-155	29.61		0.8059	0.8070	+2.0	5.61E+07	1.27	1.45	56.3 %	10%	145%
ES PCB-156/157	40.24	C	1.0967	1.0966	-0.2	7.48E+07	1.23	1.24	43.9 %	10%	145%
ES PCB-167	39.25		1.0695	1.0695	0	4.24E+07	1.27	1.29	48 %	10%	145%
ES PCB-169	43.00		1.1714	1.1717	+0.8	3.28E+07	1.26	1.18	40.4 %	10%	145%
ES PCB-170	42.47		0.9058	0.9057	-0.3	2.94E+07	1.04	1.06	102 %	10%	145%
ES PCB-180	41.39		0.8827	0.8826	-0.2	3.54E+07	1.01	1.25	104 %	10%	145%
ES PCB-188	34.47		0.9393	0.9394	+0.2	5.92E+07	1.06	1.36	63.3 %	10%	145%
ES PCB-189	45.11		0.9619	0.9619	0	2.61E+07	1.05	1.37	70 %	10%	145%
ES PCB-202	39.02		1.0635	1.0633	-0.5	4.78E+07	0.89	1.19	58.3 %	10%	145%
ES PCB-205	47.33		1.0093	1.0093	0	2.24E+07	0.87	1.23	66.9 %	10%	145%
ES PCB-206	49.03		1.0458	1.0457	-0.3	1.71E+07	0.80	0.89	71.1 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.67		0.9528	0.9526	-0.5	2.96E+07	0.79	1.26	86.8 %	10%	145%
ES PCB-209	50.82		1.0840	1.0838	-0.6	1.65E+07	1.18	0.98	61.7 %	10%	145%
SS PCB-28	22.33		0.9324	0.9332	+1.1	2.46E+07	1.03	1.04	96.1 %	5%	145%
SS PCB-111	32.10		1.0771	1.0764	-1.3	4.67E+07	1.53	0.98	92.1 %	10%	145%
SS PCB-178	37.06		1.0099	1.0098	-0.2	3.95E+07	1.06	0.71	94.2 %	10%	145%
CS PCB-28	22.33		0.9324	0.9332	+1.1	2.46E+07	1.03	1.44	29 %	5%	145%
CS PCB-111	32.10		1.0771	1.0764	-1.3	4.67E+07	1.53	1.24	55.9 %	10%	145%
CS PCB-178	37.06		1.0099	1.0098	-0.2	3.95E+07	1.06	0.96	59.7 %	10%	145%
JS PCB-9	15.90					5.16E+07	1.56				
JS PCB-52	23.92					5.89E+07	0.79				
JS PCB-101	29.82					6.73E+07	1.55				
JS PCB-138	36.70					6.87E+07	1.23				
JS PCB-194	46.89					2.72E+07	0.91				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	637,000	637,000	144		
						Di-CB	32,400	32,700	34		
						Tri-CB	4,000	4,260	22.5		
						Tetra-CB	1,990	1,990	6.76		
						Penta-CB	2,790	2,870	4.38		
						Hexa-CB	1,910	2,060	4.84		
						Hepta-CB	515	658	4.5		
						Octa-CB	30.7	97.4	4.27		
						Nona-CB	0	0	8.91		

Lab ID: B9847_21458_PCB_003

ACQ: 08-Oct-2024 09:13:29 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill on

UTP: 11-Oct-2024 12:38:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 160-397-NQY/C

Datafile: 241007B17

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.50	E	1.0012	1.0015	+0.2	4.70E+08	3.11	1.01	279,000	2.47E+04	232
PCB-2 3-MoCB	13.54	E	0.9879	0.9874	-0.4	1.33E+09	3.06	1.02	253,000	2.47E+04	55.5
PCB-3 4-MoCB	13.73	E	1.0010	1.0009	-0.1	5.49E+08	3.12	1.01	105,000	2.47E+04	55.7
PCB-4 22'-DiCB	14.02	B	1.0012	1.0009	-0.3	3.58E+06	1.58	0.98	1,430	9.06E+03	29.8
PCB-10 26-DiCB	14.15		1.0136	1.0108	-2.4	1.28E+06	1.43	1.39	362	9.06E+03	21.1
PCB-9 25-DiCB	15.92		1.0010	1.0010	0	8.97E+06	1.61	0.90	2,850	1.08E+04	41.1
PCB-7 24-DiCB	16.07		1.0112	1.0103	-0.9	6.77E+06	1.61	0.83	2,340	1.08E+04	44.6
PCB-6 23'-DiCB	16.31		1.0259	1.0253	-0.6	2.29E+07	1.55	0.96	6,760	1.08E+04	38.2
PCB-5 23-DiCB	16.58		1.0445	1.0427	-1.8	2.25E+06	1.62	0.79	811	1.08E+04	46.7
PCB-8 24'-DiCB	16.72		1.0520	1.0516	-0.4	9.28E+06	1.56	1.04	2,550	1.08E+04	35.6
PCB-14 35-DiCB	18.27		0.9307	0.9321	+1.5	7.94E+06	1.55	0.81	2,780	1.08E+04	45.2
PCB-11 33'-DiCB	19.04	B	0.9711	0.9716	+0.6	2.32E+07	1.59	0.90	7,350	1.08E+04	41
PCB-13/12 34'/34-DiCB	19.32	C	0.9858	0.9860	+0.2	1.50E+07	1.60	0.82	5,190	1.08E+04	44.9
PCB-15 44'-DiCB	19.61	B EMPC	1.0007	1.0007	0	1.01E+06	1.82	0.97	296	1.08E+04	38.1
PCB-19 22'6-TrCB	17.02	B	1.0011	1.0016	+0.5	5.71E+05	1.02	1.03	166	6.23E+03	21.7
PCB-30/18 246/22'5-TrCB	18.76	B C	1.1030	1.1039	+1.0	3.25E+06	0.93	1.48	663	6.23E+03	15.2
PCB-17 22'4-TrCB	19.13	B	1.1270	1.1257	-1.5	1.76E+06	1.12	1.03	516	6.23E+03	21.8
PCB-27 23'6-TrCB	19.32	B EMPC	1.1387	1.1364	-2.7	3.45E+05	0.83	1.42	73.2	6.23E+03	15.8
PCB-24 236-TrCB	19.44		1.1462	1.1434	-3.3	9.93E+04	0.98	1.43	20.9	6.23E+03	15.7
PCB-16 22'3-TrCB	19.54	B	1.1524	1.1495	-3.4	7.32E+05	1.18	1.03	215	6.23E+03	21.9
PCB-32 24'6-TrCB	20.04	B	1.1803	1.1791	-1.4	1.01E+06	0.99	1.59	190	6.23E+03	14.1
PCB-34 23'5'-TrCB	21.16		0.8163	0.8184	+2.7	3.07E+05	0.99	0.95	52.3	1.39E+04	25.3
PCB-23 235-TrCB	21.31	EMPC	0.8218	0.8242	+3.1	1.23E+05	0.70	0.97	20.5	1.39E+04	24.7
PCB-26/29 23'5/245-TrCB	21.60	B C	0.8330	0.8355	+3.2	1.57E+06	1.03	0.96	264	1.39E+04	25
PCB-25 23'4-TrCB	21.80	B	0.8409	0.8433	+3.1	8.94E+05	0.92	1.19	122	1.39E+04	20.2
PCB-31 24'5-TrCB	22.08	B	0.8517	0.8541	+3.2	3.42E+06	1.00	1.16	479	1.39E+04	20.8
PCB-28/20 244'/233'-TrCB	22.35	B C	0.8626	0.8644	+2.4	3.47E+06	1.05	1.06	532	1.39E+04	22.8
PCB-21/33 234/23'4'-TrCB	22.54	B C	0.8696	0.8719	+3.1	2.07E+06	0.97	1.04	322	1.39E+04	23.2
PCB-22 234'-TrCB	22.91	B	0.8845	0.8863	+2.5	1.09E+06	0.93	1.11	158	1.39E+04	21.6
PCB-36 33'5-TrCB	24.27		0.9378	0.9387	+1.3	3.64E+05	1.03	1.15	51.2	1.39E+04	20.9
PCB-39 34'5-TrCB	24.59	EMPC	0.9504	0.9511	+1.0	1.83E+05	0.72	1.02	29	1.39E+04	23.6
PCB-38 345-TrCB	25.11	EMPC	0.9706	0.9711	+0.8	8.80E+05	0.84	1.05	135	1.39E+04	22.9
PCB-35 33'4-TrCB	25.52		0.9865	0.9869	+0.6	9.72E+05	0.99	0.99	159	1.39E+04	24.3
PCB-37 344'-TrCB	25.87	B	1.0007	1.0007	0	5.96E+05	1.02	1.03	93.4	1.39E+04	23.3
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	4.06E+03	14.7
PCB-50/53 22'46/22'56'-TeCB	21.83	J B C	0.9120	0.9124	+0.5	4.65E+05	0.87	0.93	38.9	4.31E+03	3.95
PCB-45 22'36'-TeCB	22.42	B	0.9369	0.9371	+0.3	3.03E+05	0.76	0.78	29.9	4.31E+03	4.67
PCB-51 22'46'-TeCB	22.47	B	0.9395	0.9394	-0.1	3.96E+05	0.69	0.94	32.7	4.31E+03	3.9
PCB-46 22'36'-TeCB	22.69	J B	0.9488	0.9484	-0.5	9.11E+04	0.71	0.74	9.48	4.31E+03	4.92
PCB-52 22'55'-TeCB	23.95	B	1.0010	1.0009	-0.1	5.63E+06	0.77	1.02	425	4.31E+03	3.57
PCB-73 23'5'6'-TeCB	24.06	J	1.0061	1.0055	-0.9	2.78E+04	0.83	1.27	1.69	4.31E+03	2.87

Lab ID: B9847_21458_PCB_003

ACQ: 08-Oct-2024 09:13:29 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill on

UTP: 11-Oct-2024 12:38:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 160-397-NQY/C

Datafile: 241007B17

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.14	J B	1.0100	1.0091	-1.3	1.20E+05	0.72	0.91	10.2	4.31E+03	4.03
PCB-69/49 23'46/22'45'-TeCB	24.37	B C	1.0181	1.0186	+0.7	1.87E+06	0.77	1.06	137	4.31E+03	3.44
PCB-48 22'45'-TeCB	24.61	B	1.0299	1.0285	-2.1	4.02E+05	0.90	0.89	35.1	4.31E+03	4.12
PCB-44/47/65 ...-TeCB	24.83	B C	1.0391	1.0379	-1.8	4.84E+06	0.79	1.02	368	4.31E+03	3.59
PCB-59/62/75 ...-TeCB	25.10	J B C	1.0505	1.0493	-1.8	3.64E+05	0.84	1.17	24.1	4.31E+03	3.13
PCB-42 22'34'-TeCB	25.28	B	1.0580	1.0568	-1.8	4.70E+05	0.83	0.80	45.4	4.31E+03	4.56
PCB-41 22'34'-TeCB	25.61	B	1.0720	1.0705	-2.3	2.13E+05	0.83	0.71	23.1	4.31E+03	5.13
PCB-71/40 23'4'6/22'33'-TeCB	25.70	B C	1.0761	1.0743	-2.8	1.19E+06	0.76	0.98	94.2	4.31E+03	3.74
PCB-64 234'6'-TeCB	25.90	B	1.0844	1.0827	-2.6	7.77E+05	0.82	1.20	50.2	4.31E+03	3.05
PCB-72 23'55'-TeCB	ND		0.8391					1.06	ND	6.63E+03	5.3
PCB-68 23'45'-TeCB	26.86	J B	0.8471	0.8486	+2.4	2.53E+05	0.89	0.98	20	6.63E+03	5.74
PCB-57 233'5'-TeCB	ND		0.8589					1.01	ND	6.63E+03	5.56
PCB-58 233'5'-TeCB	27.34	J	0.8655	0.8641	-2.3	1.85E+05	0.69	1.12	12.8	6.63E+03	5.03
PCB-67 23'45'-TeCB	ND		0.8702					1.18	ND	6.63E+03	4.77
PCB-63 234'5'-TeCB	27.81	J	0.8775	0.8789	+2.3	1.17E+05	0.89	0.91	9.91	6.63E+03	6.16
PCB-61/70/74/76 ...-TeCB	28.10	B C	0.8867	0.8881	+2.4	4.77E+06	0.79	1.05	351	6.63E+03	5.36
PCB-66 23'44'-TeCB	28.38	B	0.8958	0.8968	+1.7	2.04E+06	0.77	1.04	151	6.63E+03	5.38
PCB-55 233'4'-TeCB	ND		0.9006					1.10	ND	6.63E+03	5.1
PCB-56 233'4'-TeCB	28.96	B	0.9145	0.9152	+1.2	6.41E+05	0.86	1.02	48.3	6.63E+03	5.48
PCB-60 2344'-TeCB	29.15	B	0.9206	0.9213	+1.2	5.28E+05	0.83	0.88	46.1	6.63E+03	6.35
PCB-80 33'55'-TeCB	ND		0.9306					1.02	ND	6.63E+03	5.53
PCB-79 33'45'-TeCB	30.86	J EMPC	0.9730	0.9751	+3.9	8.51E+04	0.63	1.15	5.7	6.63E+03	4.87
PCB-78 33'45'-TeCB	ND		0.9884					0.92	ND	6.63E+03	6.09
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.50E+03	2.96
PCB-96 22'366'-PeCB	25.10	J	1.0146	1.0143	-0.5	6.98E+04	0.62	0.97	8.19	2.50E+03	3.06
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	4.97E+03	5.16
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	4.97E+03	6.15
PCB-95 22'35'6'-PeCB	27.34	B	0.9159	0.9169	+1.6	4.13E+06	0.66	0.72	442	4.97E+03	5.42
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.72	ND	4.97E+03	5.47
PCB-102 22'456'-PeCB	27.64	J B EMPC	0.9261	0.9270	+1.5	1.43E+05	0.51	0.84	13.2	4.97E+03	4.67
PCB-98 22'34'6'-PeCB	ND		0.9284					0.84	ND	4.97E+03	4.66
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	4.97E+03	5.7
PCB-91 22'34'6'-PeCB	28.08	B	0.9411	0.9417	+1.0	6.25E+05	0.58	0.73	66.3	4.97E+03	5.37
PCB-84 22'33'6'-PeCB	28.29	B	0.9479	0.9486	+1.2	1.15E+06	0.62	0.61	147	4.97E+03	6.44
PCB-89 22'346'-PeCB	28.70	J EMPC	0.9617	0.9623	+1.0	5.01E+04	0.87	0.73	5.32	4.97E+03	5.37
PCB-121 23'45'6'-PeCB	ND		0.9725					1.10	ND	4.97E+03	3.58
PCB-92 22'355'-PeCB	29.34	B	0.9838	0.9839	+0.2	8.95E+05	0.67	0.68	102	4.97E+03	5.79
PCB-113/90/101 ...-PeCB	29.84	B C	1.0000	1.0008	+1.4	6.39E+06	0.64	0.81	614	4.97E+03	4.86
PCB-83 22'33'5'-PeCB	30.25	B EMPC	1.0148	1.0143	-0.9	2.51E+05	0.48	0.54	36	4.97E+03	7.25
PCB-99 22'44'5'-PeCB	30.34	B	1.0176	1.0173	-0.5	2.43E+06	0.62	0.99	190	4.97E+03	3.96
PCB-112 233'56'-PeCB	ND		1.0213					1.14	ND	4.97E+03	3.45

Lab ID: B9847_21458_PCB_003

ACQ: 08-Oct-2024 09:13:29 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill on

UTP: 11-Oct-2024 12:38:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 160-397-NQY/C

Datafile: 241007B17

RPT: 11-Oct-2024 12:55 JJ

Stds (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.83	B C	1.0330	1.0337	+1.3	3.65E+06	0.61	0.88	323	4.97E+03	4.48
PCB-117 234'56-PeCB	31.32	J B EMPC	1.0509	1.0502	-1.3	9.49E+04	0.89	0.85	8.63	4.97E+03	4.61
PCB-116/85 23456/22'344'-PeCB	31.41	B C	1.0538	1.0532	-1.1	7.00E+05	0.57	0.84	64.7	4.97E+03	4.68
PCB-110 233'4'6-PeCB	31.54	B	1.0582	1.0576	-1.1	5.96E+06	0.61	1.09	423	4.97E+03	3.59
PCB-115 2344'6-PeCB	31.62	J EMPC	1.0605	1.0605	0	9.80E+04	0.48	1.03	7.35	4.97E+03	3.8
PCB-82 22'33'4-PeCB	31.82	B	1.0679	1.0671	-1.5	3.34E+05	0.58	0.69	37.6	4.97E+03	5.69
PCB-111 233'55'-PeCB	ND		1.0779					0.95	ND	4.97E+03	4.12
PCB-120 23'455'-PeCB	ND		1.0913					1.15	ND	4.97E+03	3.42
PCB-108/124 ...-PeCB	33.50	J C	0.9915	0.9916	+0.2	1.68E+05	0.68	0.91	14.2	4.97E+03	4.3
PCB-107 233'4'5-PeCB	33.70	B	0.9976	0.9978	+0.4	2.66E+05	0.65	1.00	20.7	4.97E+03	3.92
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	4.97E+03	4.12
PCB-122 233'4'5'-PeCB	ND		1.0095					0.76	ND	4.97E+03	5.18
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	4.97E+03	4.43
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	2.54E+03	1.73
PCB-152 22'3566'-HxCB	ND		1.0072					0.98	ND	2.54E+03	1.68
PCB-150 22'34'66'-HxCB	ND		1.0118					0.84	ND	2.54E+03	1.96
PCB-136 22'33'66'-HxCB	30.28	B	1.0228	1.0226	-0.4	1.40E+06	1.12	0.79	125	2.54E+03	2.08
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	2.54E+03	1.81
PCB-148 22'34'56'-HxCB	ND		1.0741					0.91	ND	2.54E+03	2.19
PCB-151/135 ...-HxCB	32.31	B C	1.0925	1.0911	-2.7	2.58E+06	1.31	0.89	233	2.54E+03	2.25
PCB-154 22'44'56'-HxCB	32.51	J	1.0987	1.0976	-2.1	6.80E+04	1.09	0.95	5.72	2.54E+03	2.1
PCB-144 22'345'6-HxCB	32.79	B EMPC	1.1082	1.1073	-1.8	3.16E+05	1.86	0.87	29	2.54E+03	2.29
PCB-147/149 ...-HxCB	33.09	B C	1.1186	1.1173	-2.6	5.32E+06	1.32	0.96	446	2.54E+03	2.09
PCB-134 22'33'56-HxCB	33.28	B	1.1248	1.1237	-2.2	2.90E+05	1.11	0.71	32.7	2.54E+03	2.81
PCB-143 22'3456'-HxCB	ND		1.1273					0.85	ND	2.54E+03	2.35
PCB-139/140 ...-HxCB	33.60	J B EMPC C	1.1359	1.1344	-3.0	8.41E+04	0.87	0.93	7.3	2.54E+03	2.16
PCB-131 22'33'46-HxCB	33.78	J EMPC	1.1421	1.1406	-3.0	4.15E+04	0.63	0.80	4.14	2.54E+03	2.49
PCB-142 22'3456-HxCB	ND		1.1468					0.78	ND	2.54E+03	2.56
PCB-132 22'33'46'-HxCB	34.18	B	1.1554	1.1541	-2.7	1.42E+06	1.29	0.81	141	2.54E+03	2.48
PCB-133 22'33'55'-HxCB	34.56	J EMPC	1.1687	1.1669	-3.7	4.36E+04	0.92	0.90	3.89	2.54E+03	2.22
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	2.54E+03	2
PCB-146 22'34'55'-HxCB	35.12	B EMPC	0.9569	0.9570	+0.2	5.87E+05	1.06	1.00	47.3	2.54E+03	2.01
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	2.54E+03	1.68
PCB-153/168 ...-HxCB	35.64	B C	0.9717	0.9712	-1.1	5.13E+06	1.33	1.09	379	2.54E+03	1.84
PCB-141 22'3455'-HxCB	35.82	B	0.9761	0.9760	-0.2	1.08E+06	1.29	0.79	110	2.54E+03	2.54
PCB-130 22'33'45'-HxCB	36.17	EMPC	0.9856	0.9857	+0.2	1.78E+05	1.04	0.67	21.4	2.54E+03	3
PCB-137 22'344'5-HxCB	36.35	J EMPC	0.9907	0.9905	-0.4	1.11E+05	0.83	0.71	12.4	2.54E+03	2.8
PCB-164 233'4'5'6-HxCB	36.45	J EMPC	0.9933	0.9933	0	2.84E+05	1.45	1.18	19.4	2.54E+03	1.7
PCB-163/138/129 ...-HxCB	36.72	B C	1.0011	1.0007	-0.9	3.63E+06	1.30	0.85	344	2.54E+03	2.36
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	2.54E+03	2.01
PCB-158 233'44'6-HxCB	37.05	B	1.0097	1.0097	0	4.69E+05	1.34	1.09	34.7	2.54E+03	1.84

Lab ID: B9847_21458_PCB_003

ACQ: 08-Oct-2024 09:13:29 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill on

UTP: 11-Oct-2024 12:38:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 160-397-NQY/C

Datafile: 241007B17

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

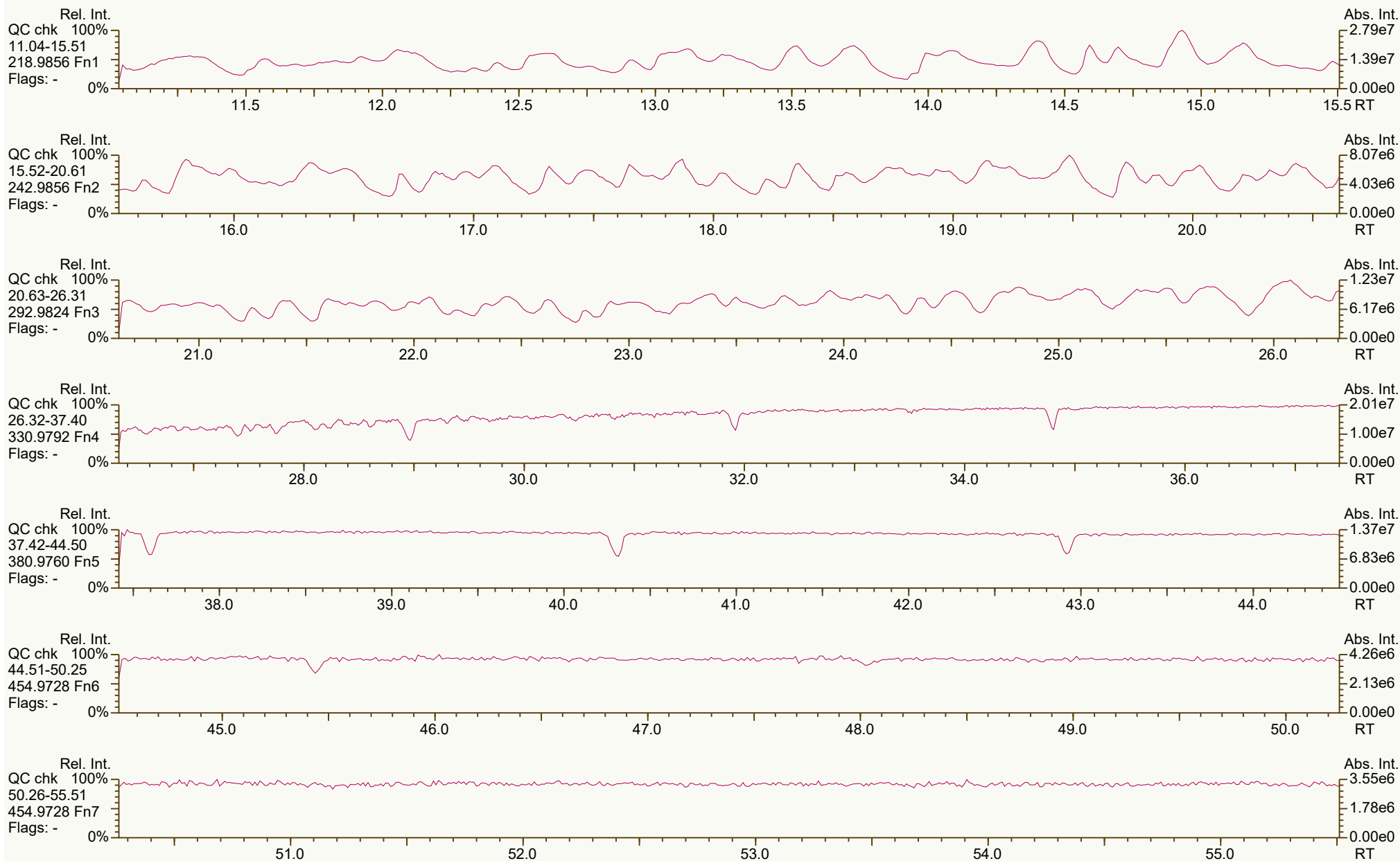
Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.82	J B C	0.9631	0.9637	+1.4	2.97E+05	1.28	0.90	31.2	4.38E+03	4.81
PCB-159 233'455'-HxCB	ND		0.9839					1.13	ND	4.38E+03	3.81
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	4.38E+03	4.57
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.10E+03	1.4
PCB-179 22'33'566'-HpCB	34.80	B	1.0095	1.0095	0	9.30E+05	1.13	1.02	61.3	2.10E+03	1.32
PCB-184 22'344'66'-HpCB	ND		1.0221					0.95	ND	2.10E+03	1.42
PCB-176 22'33'466'-HpCB	35.54	B EMPC	1.0313	1.0311	-0.4	3.04E+05	0.86	0.86	23.9	2.10E+03	1.57
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	2.10E+03	1.31
PCB-178 22'33'55'6'-HpCB	37.08	B EMPC	1.0758	1.0756	-0.4	2.44E+05	1.28	0.66	24.9	2.10E+03	2.04
PCB-175 22'33'45'6'-HpCB	37.63	J	1.0915	1.0916	+0.2	3.80E+04	0.93	0.97	4.41	3.93E+03	4.9
PCB-187 22'34'55'6'-HpCB	37.85	B	1.0982	1.0980	-0.5	1.38E+06	0.96	1.21	129	3.93E+03	3.94
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	3.93E+03	4.06
PCB-183 22'344'5'6'-HpCB	38.37	B EMPC	1.1133	1.1130	-0.7	4.89E+05	0.72	1.00	55	3.93E+03	4.75
PCB-185 22'3455'6'-HpCB	38.47	J EMPC	1.1161	1.1160	-0.2	1.22E+05	1.23	0.94	14.6	3.93E+03	5.06
PCB-174 22'33'456'-HpCB	38.58	B	1.1195	1.1192	-0.7	8.66E+05	1.02	1.02	95.8	3.93E+03	4.67
PCB-177 22'33'45'6'-HpCB	38.96	B	1.1304	1.1302	-0.5	4.17E+05	1.05	0.98	47.9	3.93E+03	4.85
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	3.93E+03	4.61
PCB-171/173 ...-HpCB	39.49	J EMPC C	1.1458	1.1455	-0.7	1.29E+05	1.32	0.88	16.5	3.93E+03	5.4
PCB-172 22'33'455'-HpCB	40.84	J EMPC	0.9058	0.9055	-0.7	6.06E+04	0.77	0.86	7.96	3.93E+03	5.54
PCB-192 233'455'6'-HpCB	ND		0.9112					1.22	ND	3.93E+03	3.91
PCB-180/193 ...-HpCB	41.40	B C	0.9175	0.9179	+1.0	1.16E+06	1.03	1.01	130	3.93E+03	4.71
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.05	ND	3.93E+03	4.56
PCB-170 22'33'44'5'-HpCB	42.49	B	0.9422	0.9420	-0.5	2.73E+05	0.90	0.93	39.8	3.93E+03	6.03
PCB-190 233'44'56-HpCB	42.94	J	0.9521	0.9519	-0.5	6.95E+04	1.00	1.27	7.48	3.93E+03	4.45
PCB-202 22'33'55'66'-OcCB	39.04	J EMPC	1.0006	1.0005	-0.2	1.51E+05	0.70	0.96	13.2	2.17E+03	2.07
PCB-201 22'33'45'66'-OcCB	39.84	J EMPC	1.0206	1.0209	+0.7	9.32E+04	1.10	0.79	9.85	2.17E+03	2.5
PCB-204 22'344'566'-OcCB	ND		1.0353					0.91	ND	2.17E+03	2.17
PCB-197 22'33'44'66'-OcCB	ND		1.0403					0.83	ND	2.17E+03	2.38
PCB-200 22'33'4566'-OcCB	40.70	J B EMPC	1.0430	1.0431	+0.2	5.68E+04	0.67	0.81	5.9	2.17E+03	2.46
PCB-198/199 ...-OcCB	43.06	J B C	1.1028	1.1034	+1.6	1.82E+05	0.89	0.63	24	2.17E+03	3.12
PCB-196 22'33'44'56'-OcCB	43.62	J B EMPC	1.1176	1.1180	+1.0	7.66E+04	0.56	0.54	11.8	2.17E+03	3.64
PCB-203 22'344'55'6'-OcCB	43.78	J B EMPC	1.1219	1.1221	+0.5	1.17E+05	1.32	0.67	14.6	2.17E+03	2.96
PCB-195 22'33'44'56-OcCB	44.92	J	0.9493	0.9491	-0.5	3.39E+04	0.87	0.91	6.68	2.87E+03	6.57
PCB-194 22'33'44'55'-OcCB	46.91	J EMPC	0.9912	0.9911	-0.3	5.48E+04	1.04	0.86	11.4	2.87E+03	6.93
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	2.87E+03	6.47
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	3.63E+03	5.32
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.87	ND	3.63E+03	5.86
PCB-206 22'33'44'55'6'-NoCB	ND		1.0005					0.93	ND	3.63E+03	12.5
AS PCB-32	20.026		1.2602	1.2592	-1.2	2.60E+07	1.06	0.84	59.7 %	50%	150%
AS PCB-97	30.753		1.0318	1.0313	-0.9	3.89E+07	1.64	0.85	67.7 %	50%	150%
AS PCB-159	38.597		1.0518	1.0518	0	6.30E+07	1.25	1.16	79.2 %	50%	150%

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 160-397

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 12:59 Page 1 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



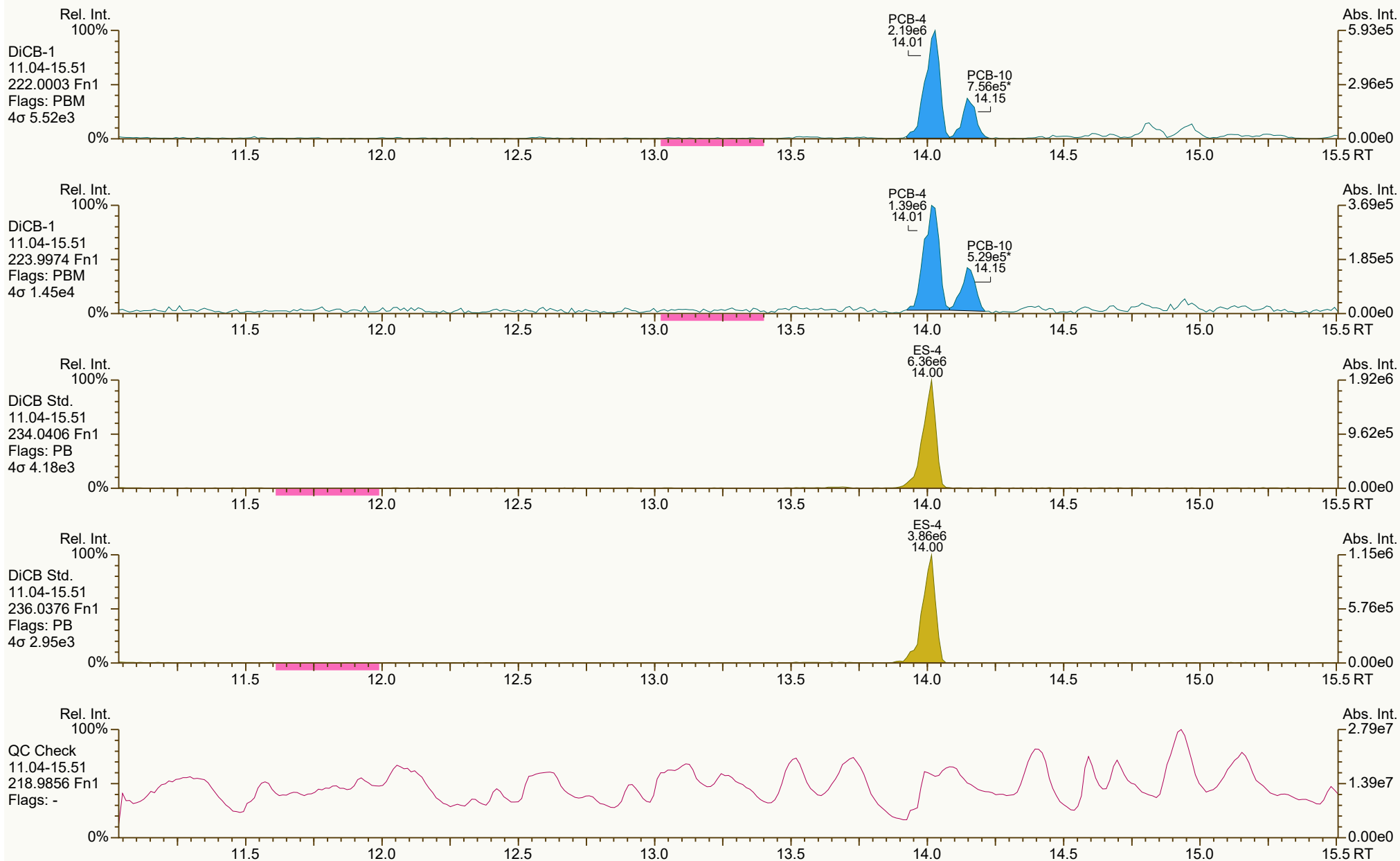
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0035, 4500 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 2 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



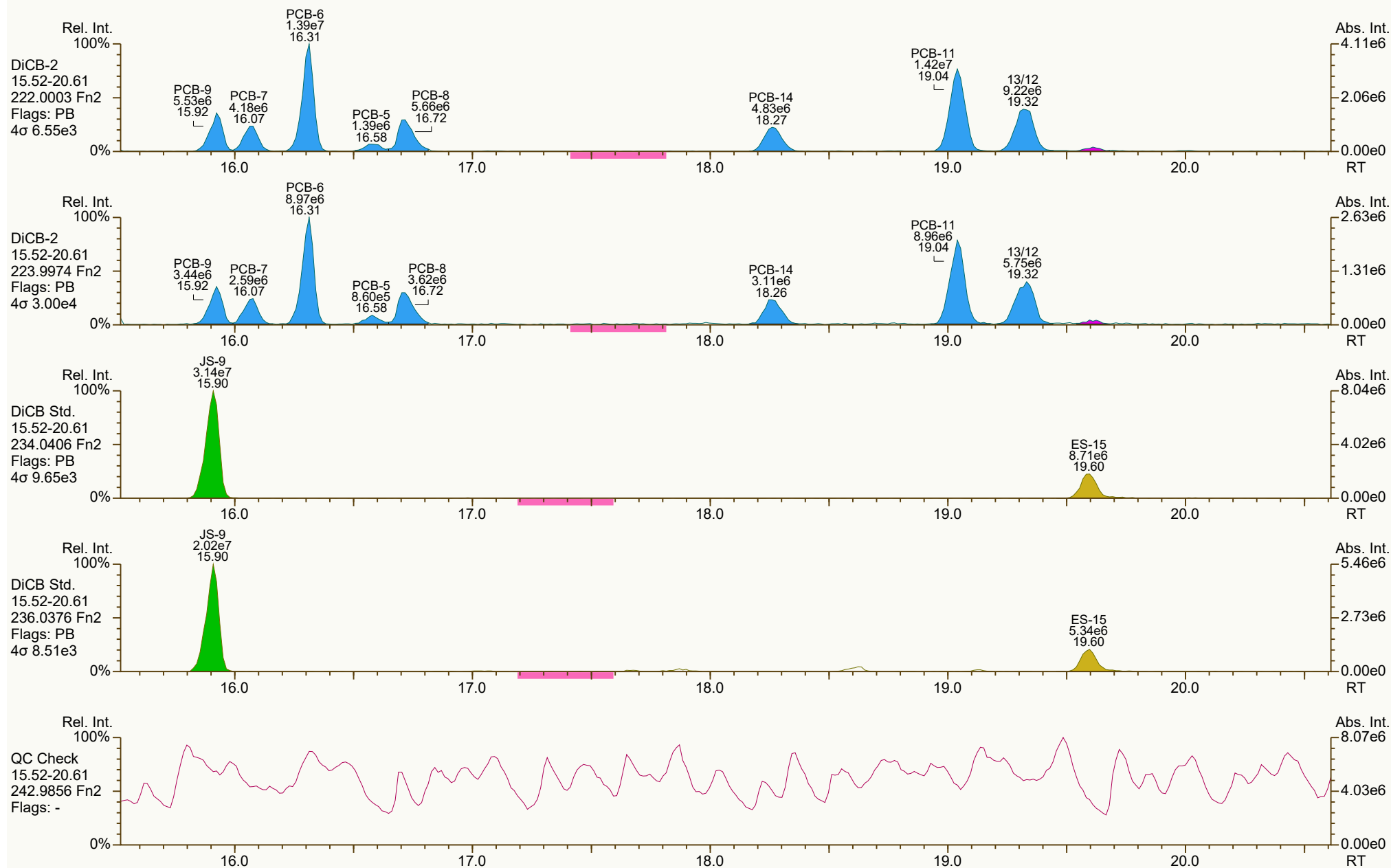
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3442, 0846 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 3 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



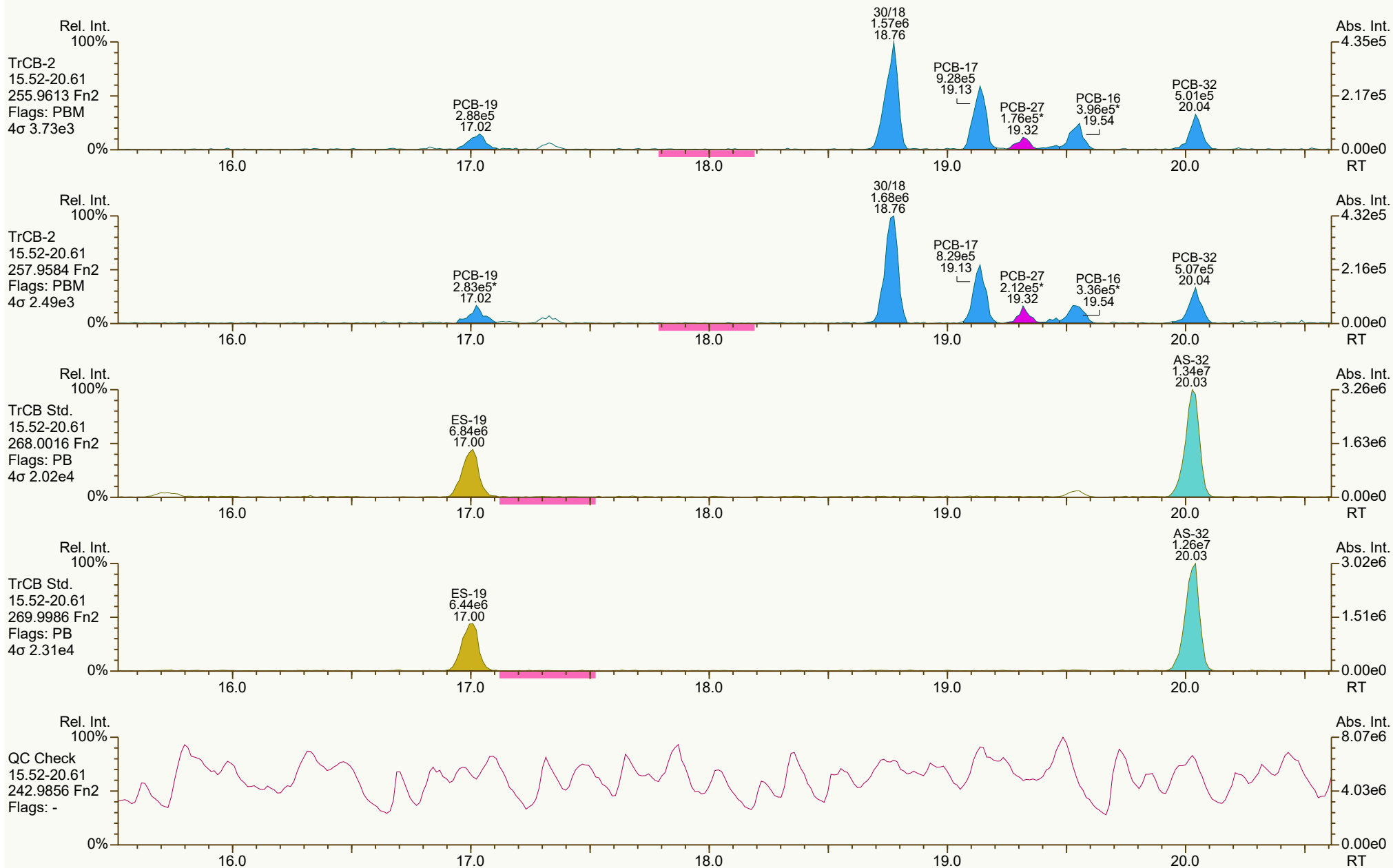
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5436, 3962 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 4 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



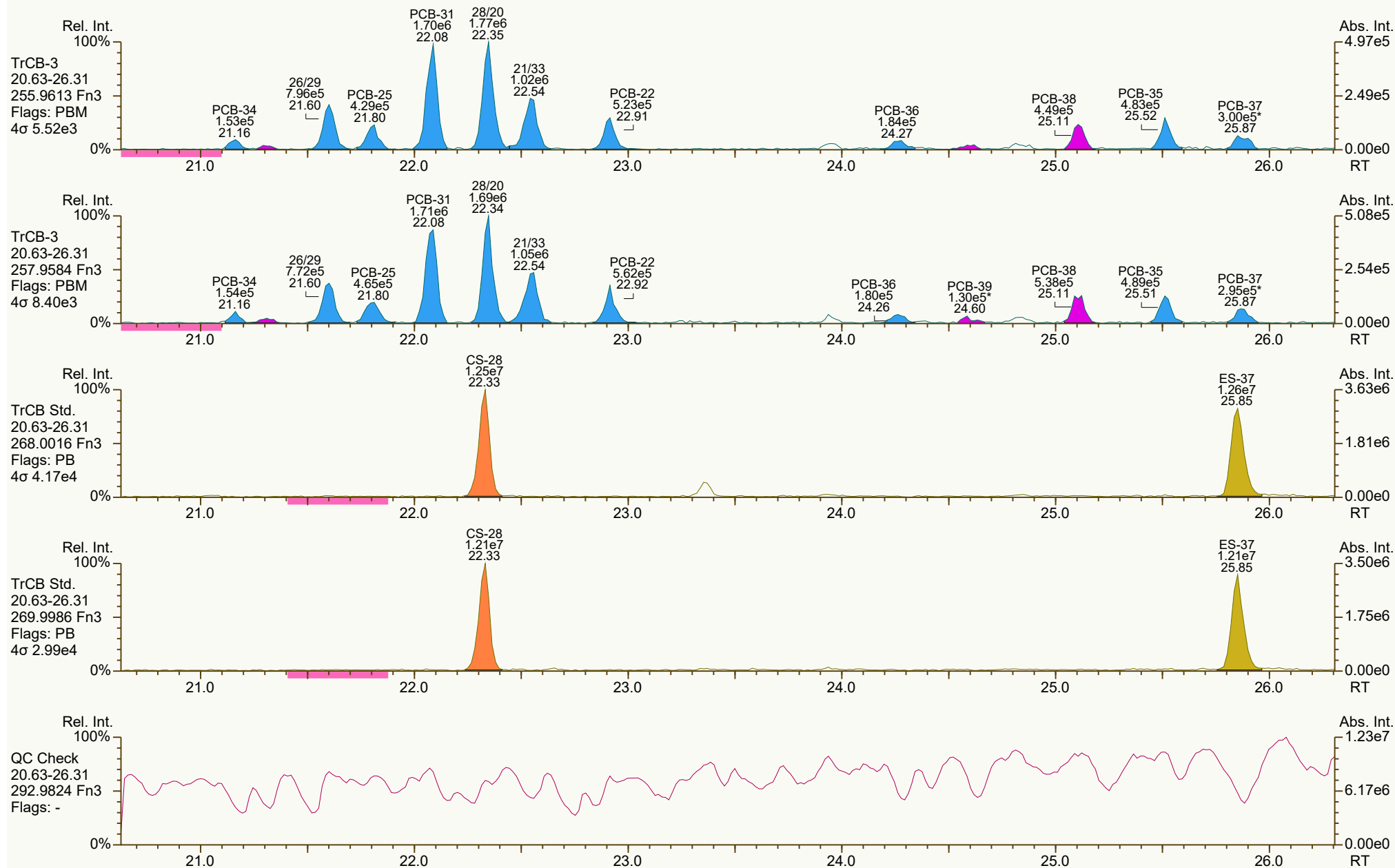
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9251, 9260 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 5 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0354, 7474 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 6 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



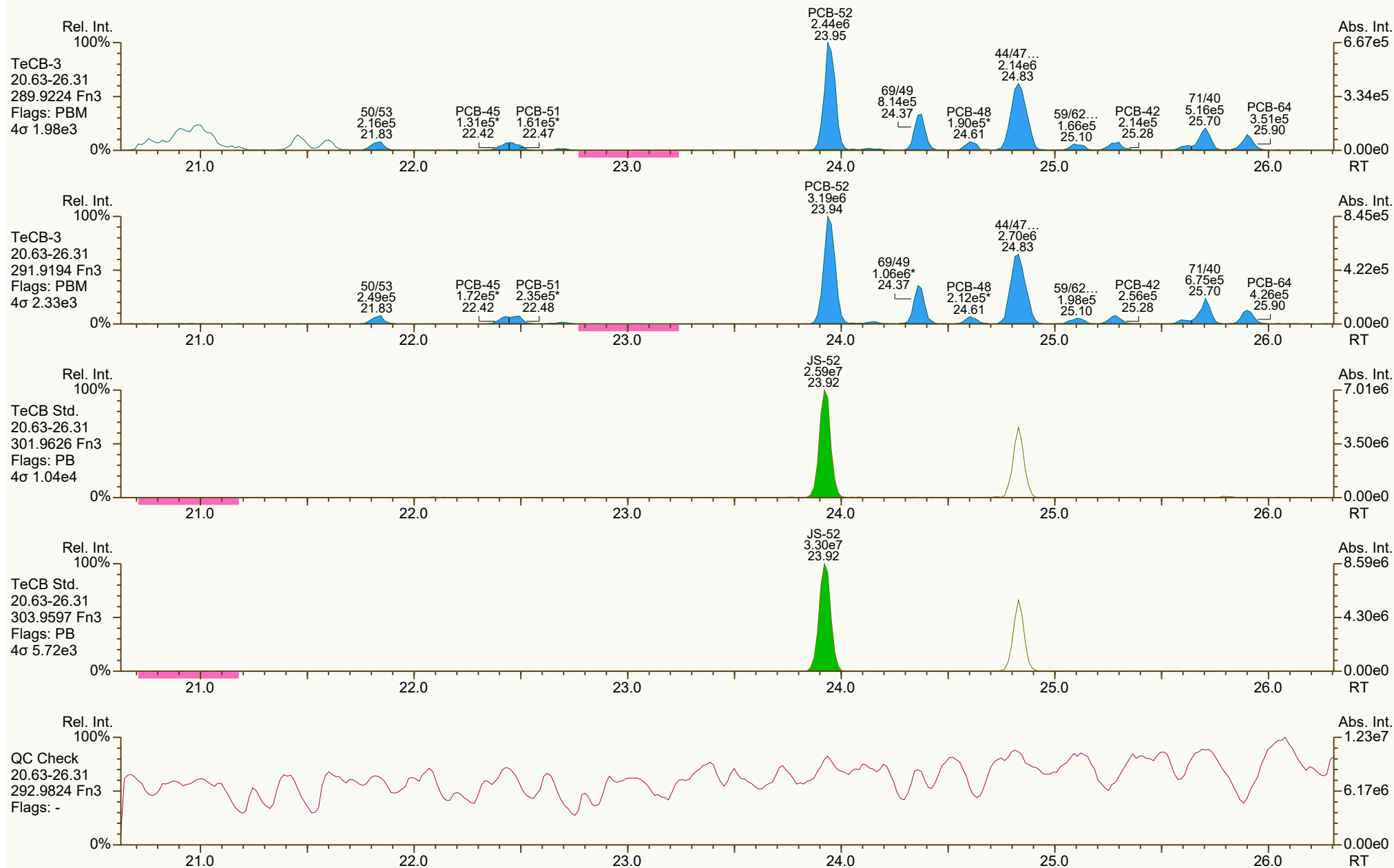
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3416, 2363 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 7 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



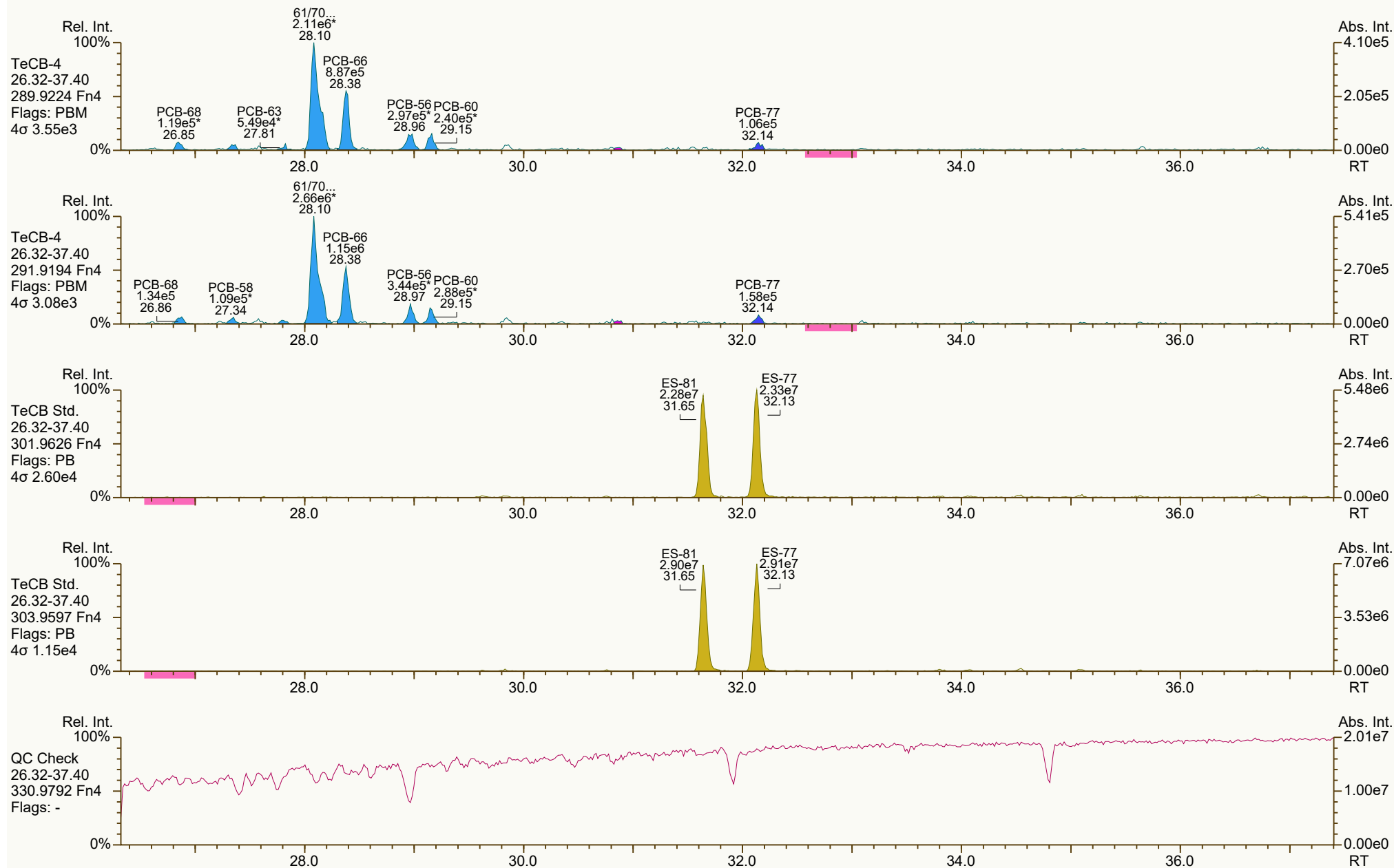
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2953, 2529 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 8 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8479, 8659 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 12:59 Page 9 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



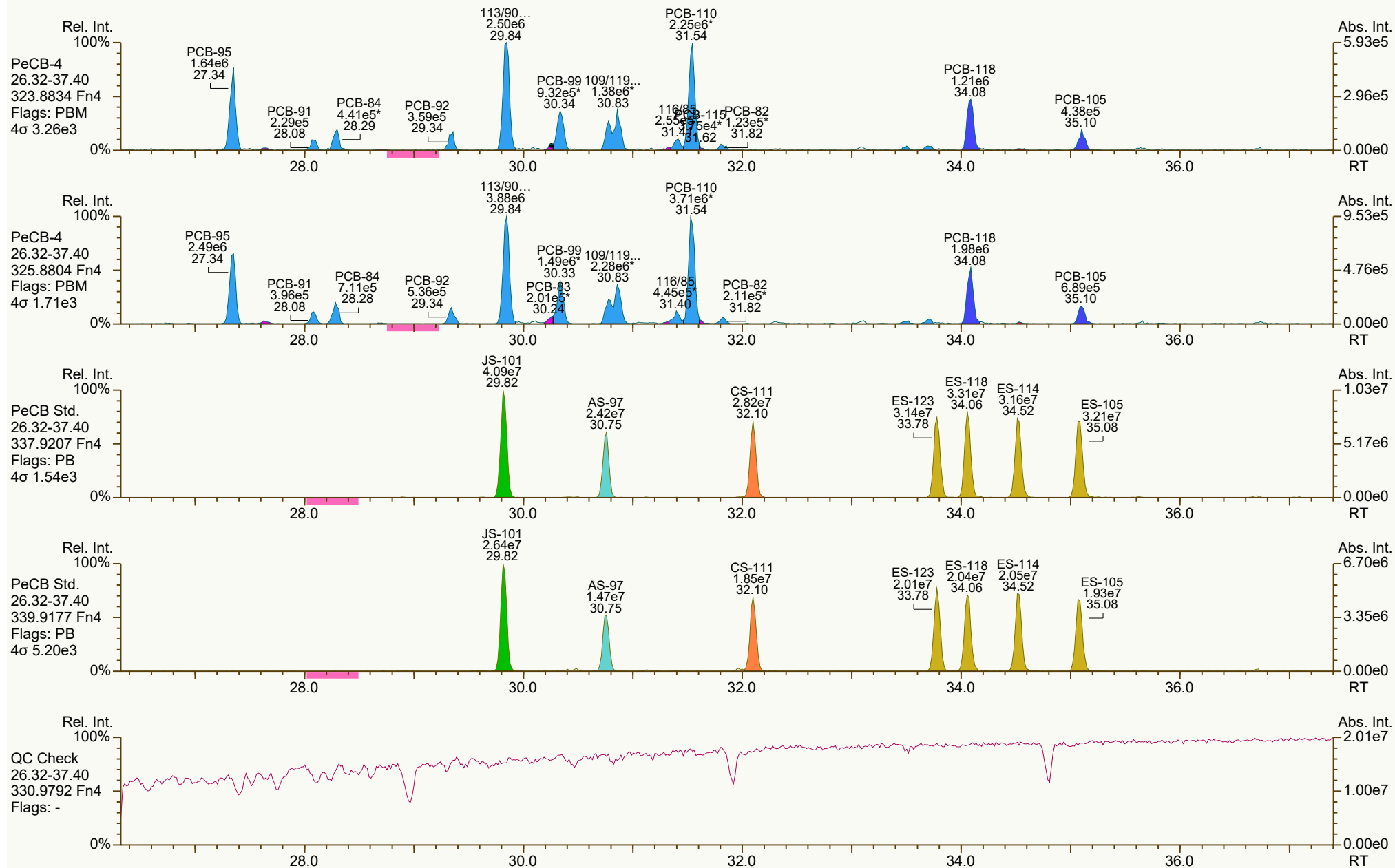
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4703, 4598 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 10 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



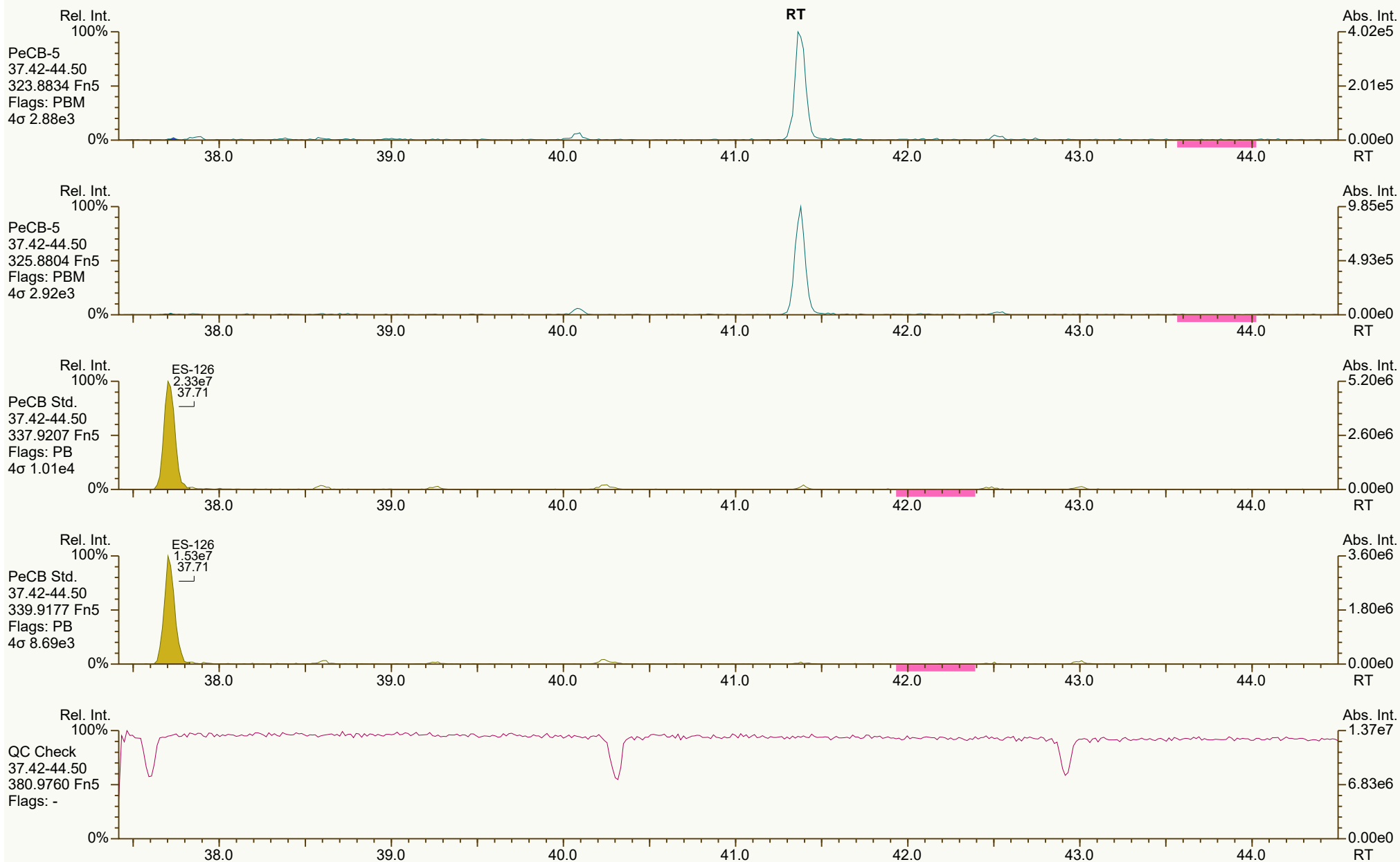
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4992, 4012 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 11 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0174, 3456 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 12 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



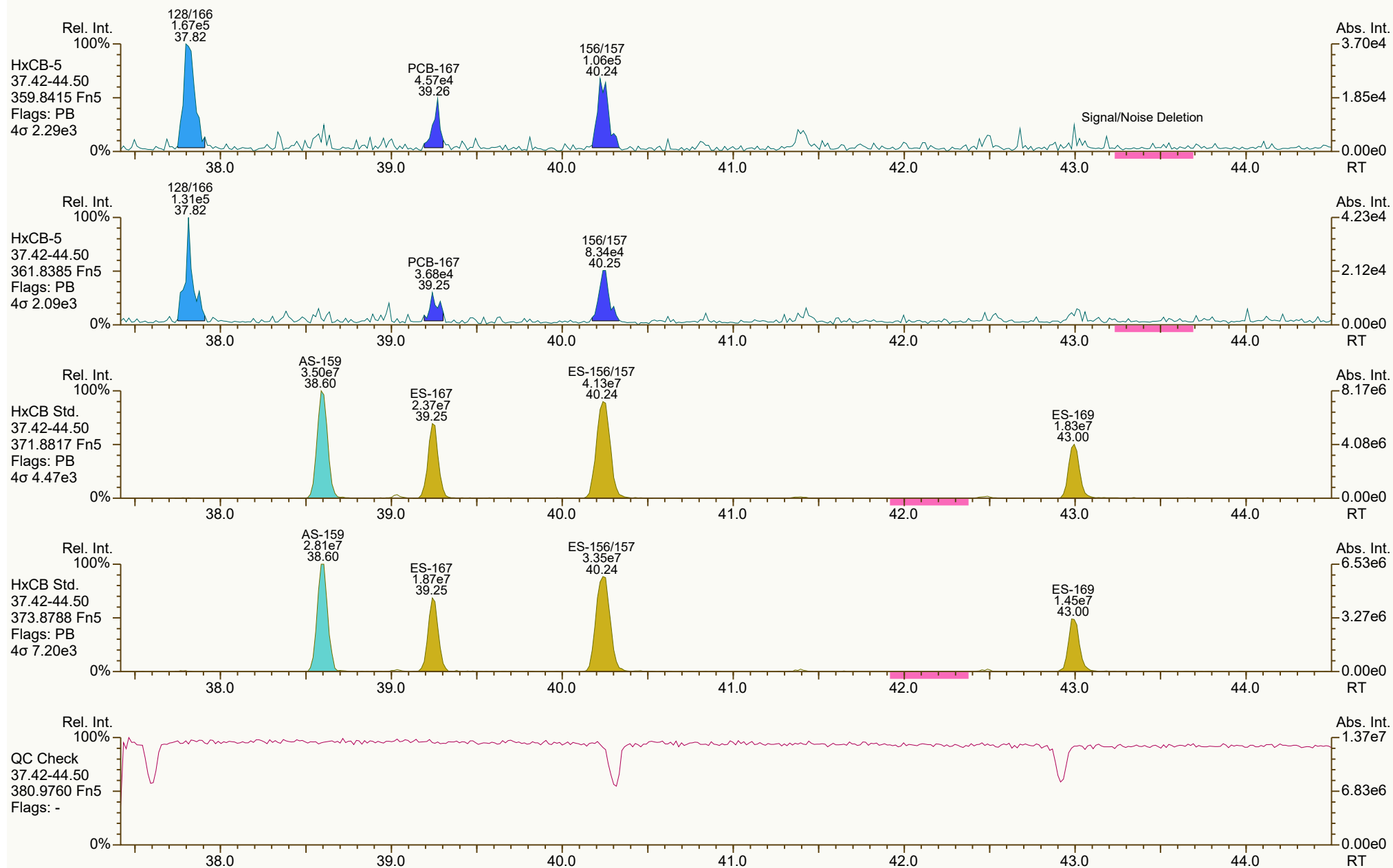
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7459, 3900 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 13 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



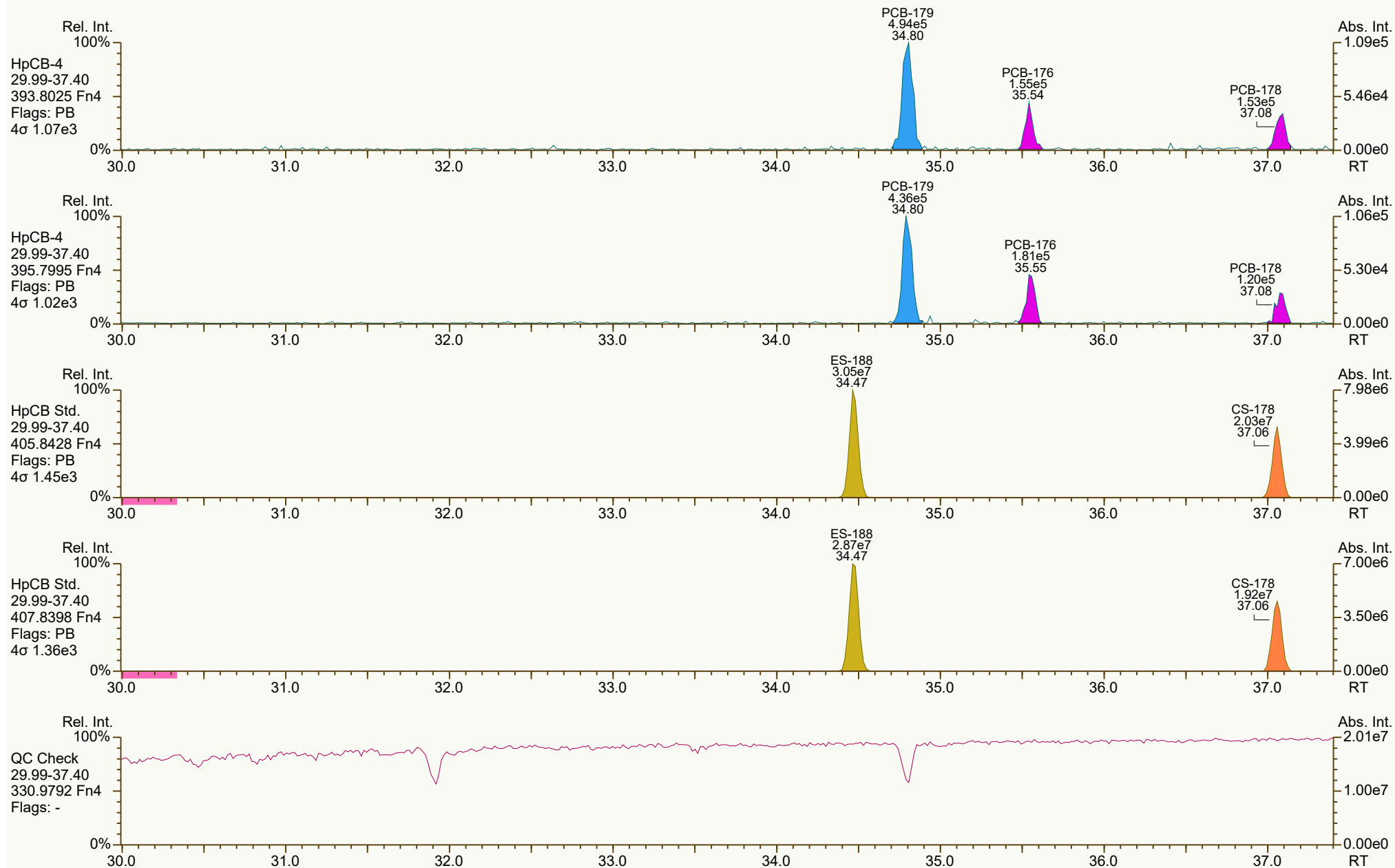
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1332, 7348 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 14 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



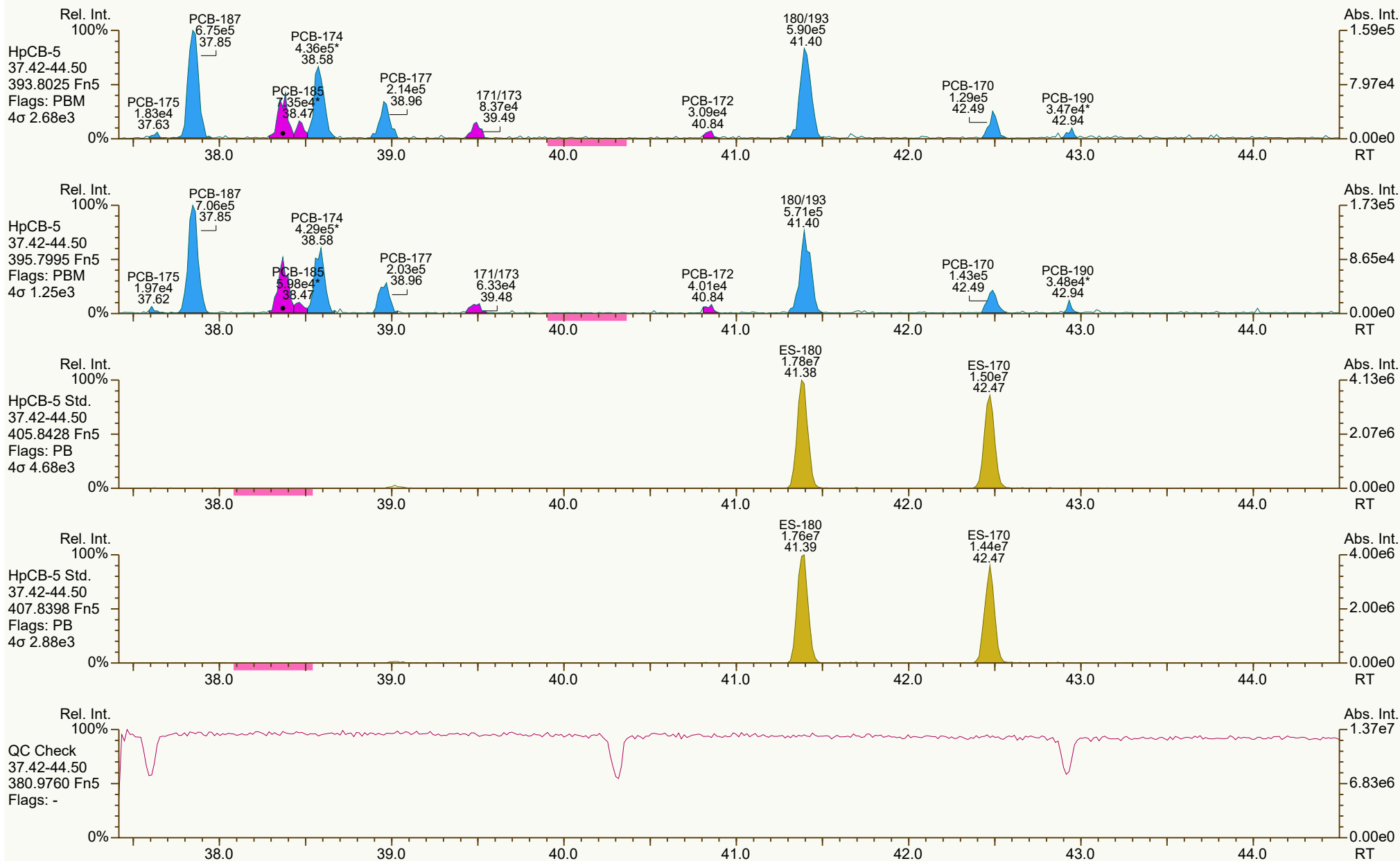
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4974, 3942 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 15 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



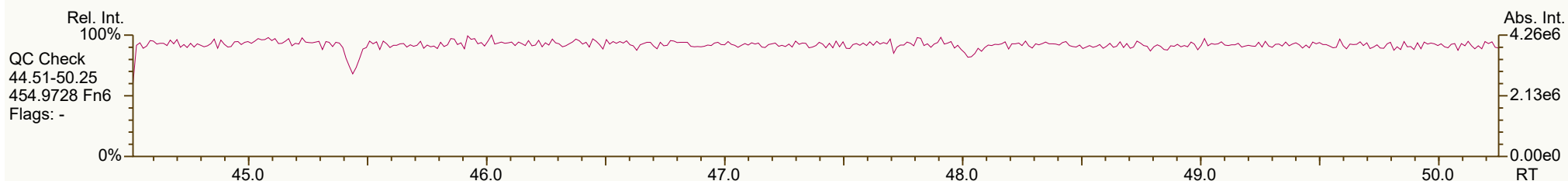
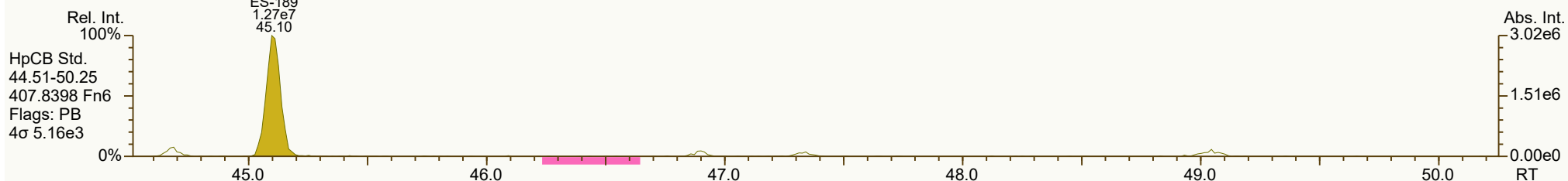
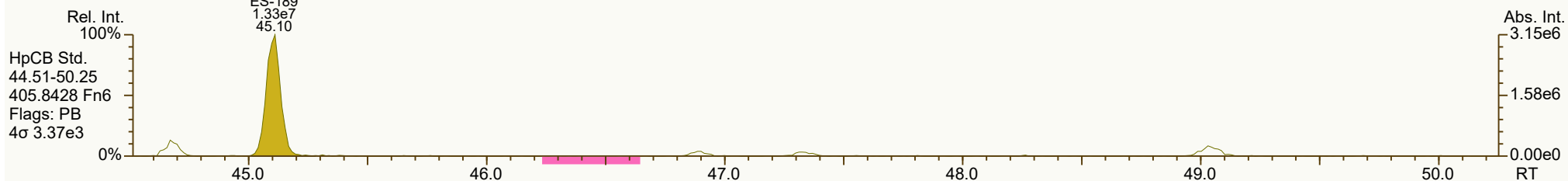
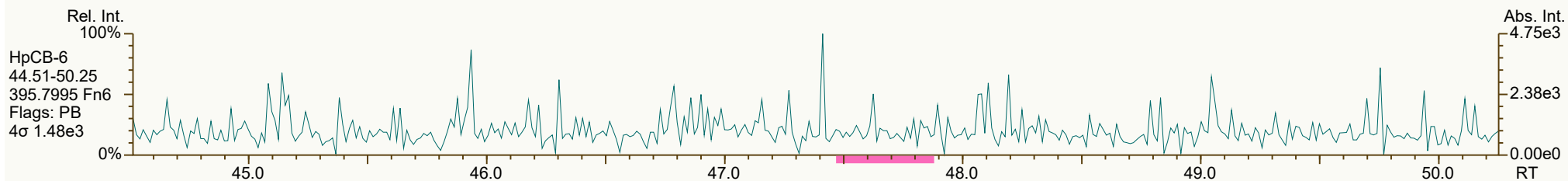
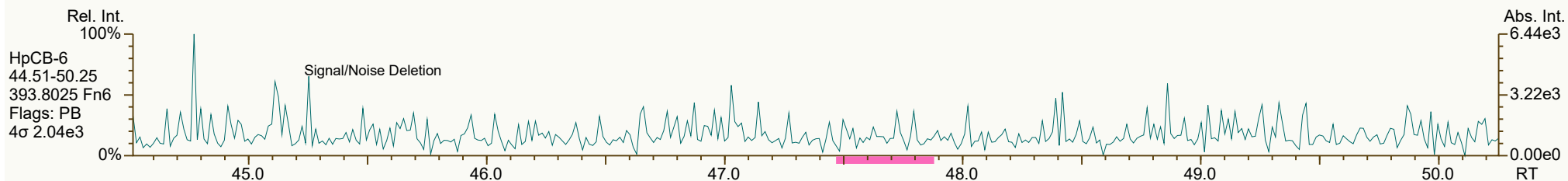
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5911, 3967 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 16 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

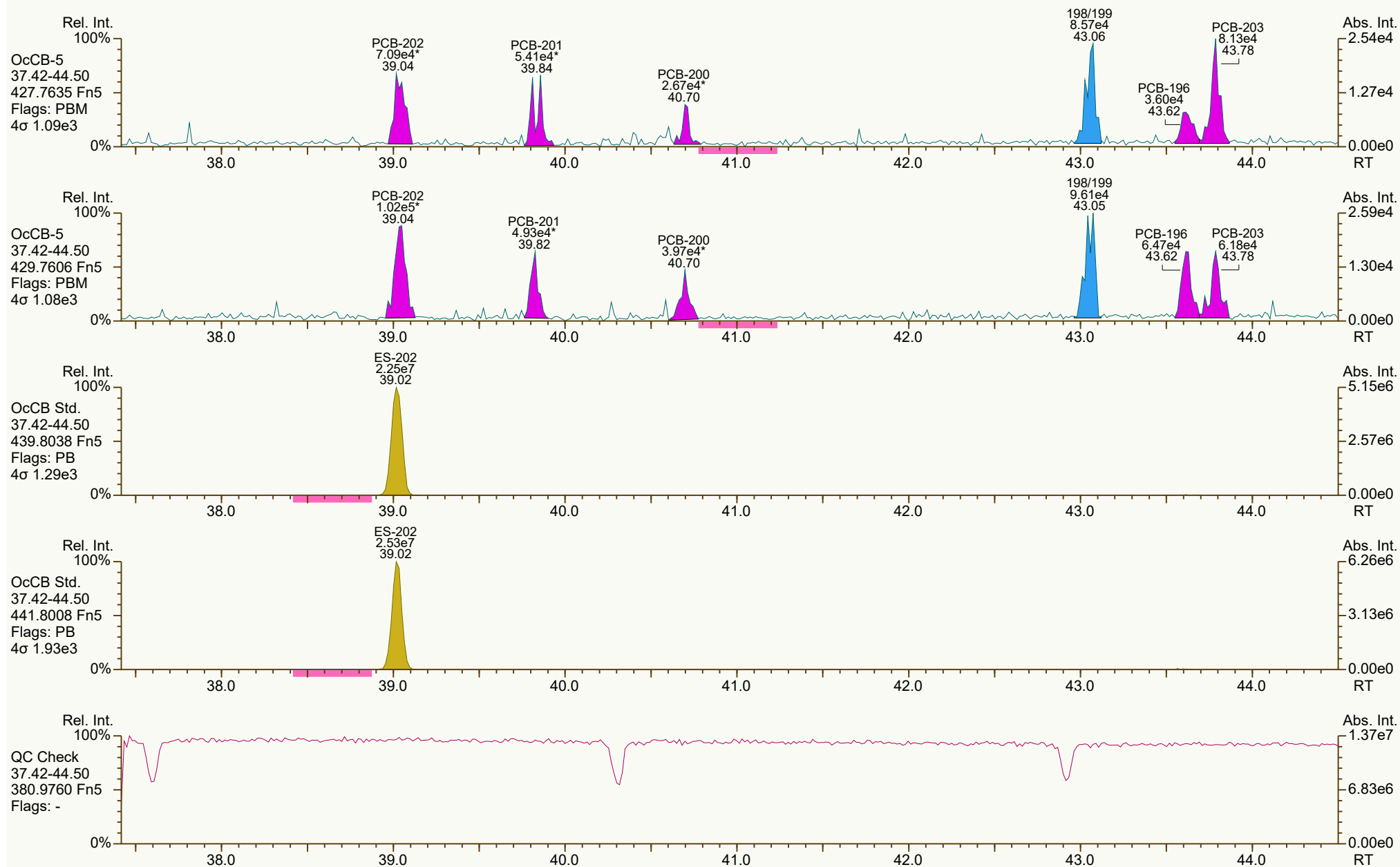
Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



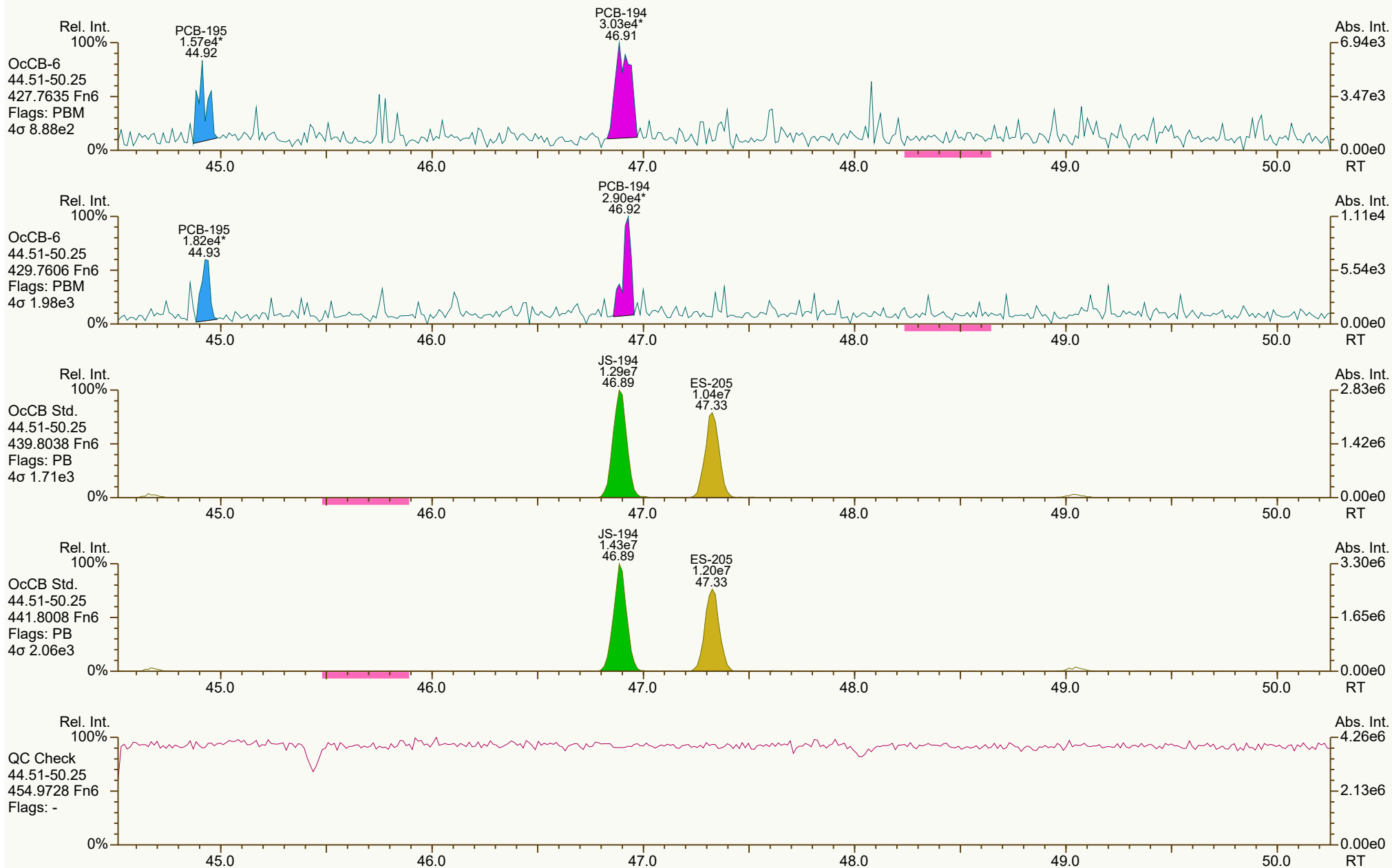
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0713, 8031 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 18 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



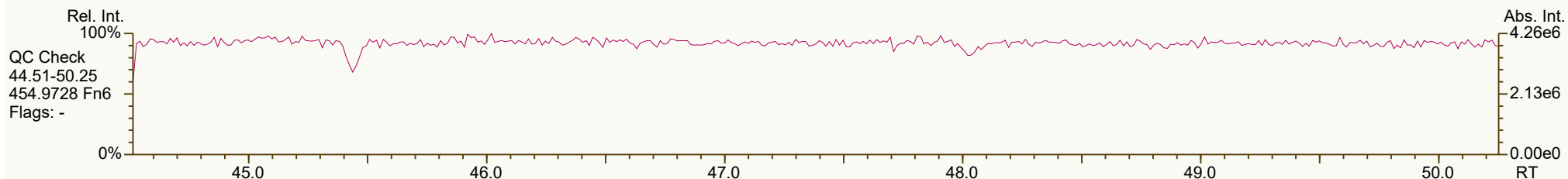
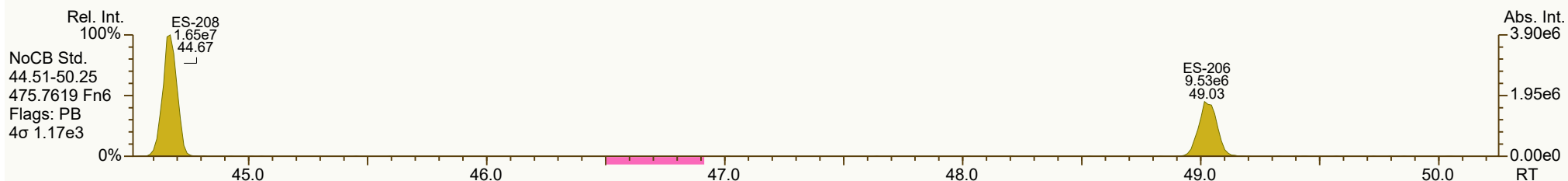
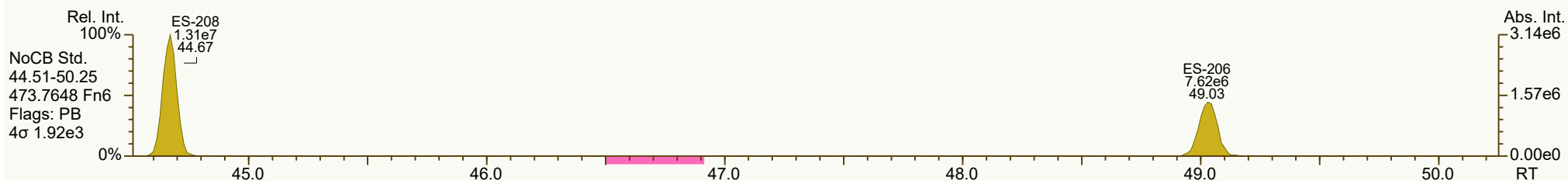
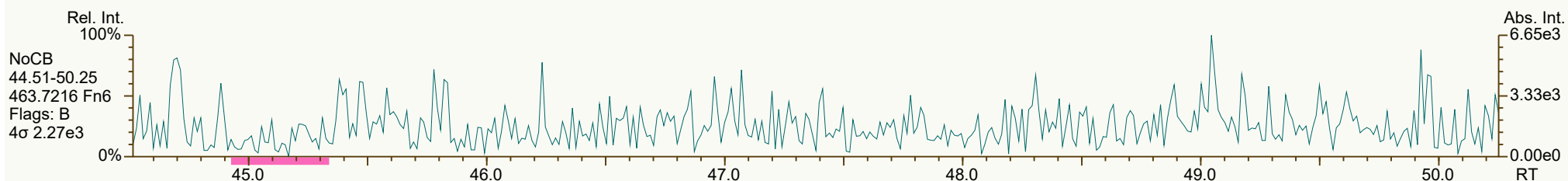
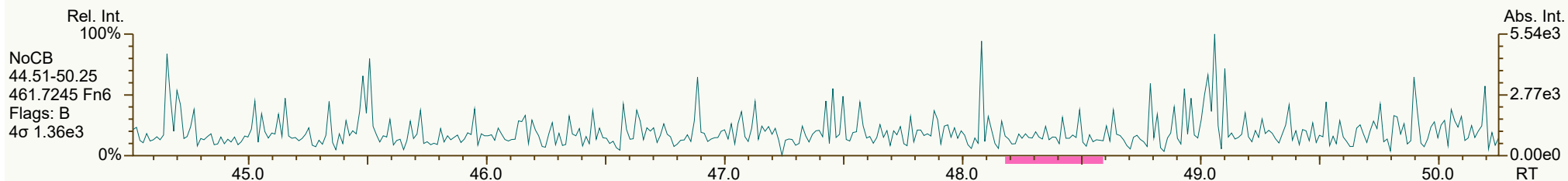
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1284, 2781 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 19 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1901, 7831 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 20 of 21

SGS ID: B9847_21458_PCB_003
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 56

Acq: 08-Oct-2024 09:13:29
User: JLJ Datafile: 241007B17



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_003.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7915, 4754 scc: 160-397

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 14:49 Printed: 11-Oct-2024 13:00 Page 21 of 21

Lab ID: B9847_21458_PCB_004

ACQ: 08-Oct-2024 10:12:11 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #4 Mill on

UTP: 11-Oct-2024 12:38:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 186-417-HCB/C

Datafile: 241007B18

RPT: 11-Oct-2024 12:55 JJ

Stds (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.13		1.0006	1.0006	0	2.63E+05	0.75	0.95	21.9	6.93E+03	6.47
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	6.93E+03	6.08
PCB-105 233'44'-PeCB	35.10	B	1.0006	1.0007	+0.2	9.68E+05	0.57	0.97	86.5	4.45E+03	4.44
PCB-114 2344'5-PeCB	34.54	J	1.0007	1.0007	0	7.91E+04	0.65	0.96	6.84	4.45E+03	4.11
PCB-118 23'44'5-PeCB	34.08	B	1.0007	1.0007	0	2.95E+06	0.63	0.99	242	4.45E+03	3.63
PCB-123 23'44'5'-PeCB	33.78	J B	1.0007	1.0001	-1.2	5.62E+04	0.59	0.96	4.82	4.45E+03	3.97
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	4.17E+03	5.14
PCB-156/157 ...-HxCB	40.24	J B EMPC C	1.0005	0.9999	-1.4	1.68E+05	1.05	0.96	19	3.18E+03	5.31
PCB-167 23'44'55'-HxCB	39.28	J B EMPC	1.0005	1.0007	+0.5	6.78E+04	1.01	0.94	7.05	3.18E+03	3.48
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	3.18E+03	4.77
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.17E+03	6.26
PCB-209 DeCB	ND		1.0005					0.95	ND	1.95E+03	8.11
ES PCB-1	11.41		0.7219	0.7201	-1.2	1.51E+07	3.41	1.19	21.1 %	5%	145%
ES PCB-3	13.66		0.8628	0.8616	-1.0	3.18E+07	2.95	1.13	46.7 %	5%	145%
ES PCB-4	13.93		0.8777	0.8787	+0.8	2.01E+07	1.53	0.72	46.1 %	5%	145%
ES PCB-15	19.55		1.2345	1.2337	-0.9	1.68E+07	1.56	1.07	26 %	5%	145%
ES PCB-19	16.94		1.0688	1.0690	+0.2	1.92E+07	1.09	0.65	49 %	5%	145%
ES PCB-37	25.81		1.0824	1.0815	-1.4	4.14E+07	1.06	1.40	43.6 %	5%	145%
ES PCB-54	19.81		0.8288	0.8302	+1.7	1.99E+07	0.70	1.23	23.7 %	5%	145%
ES PCB-77	32.12		1.3483	1.3458	-4.8	5.07E+07	0.77	1.28	58.4 %	10%	145%
ES PCB-81	31.63		1.3278	1.3255	-4.4	5.15E+07	0.81	1.33	57.2 %	10%	145%
ES PCB-104	24.69		0.8278	0.8289	+1.6	4.30E+07	1.56	1.32	52 %	10%	145%
ES PCB-105	35.07		1.1779	1.1774	-1.1	4.62E+07	1.58	1.26	58.5 %	10%	145%
ES PCB-114	34.52		1.1590	1.1586	-0.8	4.81E+07	1.62	1.34	56.9 %	10%	145%
ES PCB-118	34.05		1.1434	1.1431	-0.6	4.93E+07	1.57	1.31	59.8 %	10%	145%
ES PCB-123	33.77		1.1339	1.1336	-0.6	4.86E+07	1.54	1.27	61 %	10%	145%
ES PCB-126	37.72		1.2663	1.2661	-0.5	3.57E+07	1.57	1.19	47.8 %	10%	145%
ES PCB-153	35.62		0.9706	0.9706	0	4.70E+07	1.30	1.11	71.8 %	10%	145%
ES PCB-155	29.58		0.8059	0.8062	+0.5	5.69E+07	1.27	1.45	66.7 %	10%	145%
ES PCB-156/157	40.25	C	1.0967	1.0968	+0.2	7.36E+07	1.26	1.24	50.5 %	10%	145%
ES PCB-167	39.25		1.0695	1.0696	+0.2	4.10E+07	1.24	1.29	54.2 %	10%	145%
ES PCB-169	43.00		1.1714	1.1718	+1.0	3.15E+07	1.22	1.18	45.3 %	10%	145%
ES PCB-170	42.47		0.9058	0.9057	-0.3	2.64E+07	1.00	1.06	109 %	10%	145%
ES PCB-180	41.39		0.8827	0.8826	-0.2	3.35E+07	1.05	1.25	118 %	10%	145%
ES PCB-188	34.47		0.9393	0.9393	0	5.51E+07	0.99	1.36	68.8 %	10%	145%
ES PCB-189	45.11		0.9619	0.9619	0	2.36E+07	0.99	1.37	75.6 %	10%	145%
ES PCB-202	39.02		1.0635	1.0634	-0.2	4.50E+07	0.88	1.19	64.1 %	10%	145%
ES PCB-205	47.33		1.0093	1.0093	0	2.10E+07	0.85	1.23	75 %	10%	145%
ES PCB-206	49.04		1.0458	1.0456	-0.6	1.56E+07	0.77	0.89	77.3 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.67		0.9528	0.9526	-0.5	2.78E+07	0.82	1.26	97.2 %	10%	145%
ES PCB-209	50.82		1.0840	1.0837	-0.9	1.55E+07	1.18	0.98	69.2 %	10%	145%
SS PCB-28	22.27		0.9324	0.9332	+1.1	3.32E+07	1.05	1.04	77.4 %	5%	145%
SS PCB-111	32.08		1.0771	1.0770	-0.2	4.55E+07	1.55	0.98	95.2 %	10%	145%
SS PCB-178	37.06		1.0099	1.0098	-0.2	3.55E+07	1.02	0.71	91.1 %	10%	145%
CS PCB-28	22.27		0.9324	0.9332	+1.1	3.32E+07	1.05	1.44	34 %	5%	145%
CS PCB-111	32.08		1.0771	1.0770	-0.2	4.55E+07	1.55	1.24	58.3 %	10%	145%
CS PCB-178	37.06		1.0099	1.0098	-0.2	3.55E+07	1.02	0.96	62.7 %	10%	145%
JS PCB-9	15.85					6.04E+07	1.58				
JS PCB-52	23.86					6.78E+07	0.81				
JS PCB-101	29.79					6.29E+07	1.61				
JS PCB-138	36.70					5.88E+07	1.25				
JS PCB-194	46.90					2.28E+07	0.91				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	67,600	67,600	30.1		
						Di-CB	12,500	12,800	21.5		
						Tri-CB	1,780	1,980	15.7		
						Tetra-CB	1,960	2,010	4.34		
						Penta-CB	2,760	2,780	3.8		
						Hexa-CB	2,150	2,330	3.74		
						Hepta-CB	659	839	4.46		
						Octa-CB	105	126	3.95		
						Nona-CB	0	0	9.38		

Lab ID: B9847_21458_PCB_004

ACQ: 08-Oct-2024 10:12:11 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #4 Mill on

UTP: 11-Oct-2024 12:38:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 186-417-HCB/C

Datafile: 241007B18

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.43		1.0012	1.0012	0	2.01E+08	3.06	1.01	52,700	1.68E+04	39.6
PCB-2 3-MoCB	13.48		0.9879	0.9872	-0.6	9.11E+07	3.09	1.02	11,200	1.68E+04	20.5
PCB-3 4-MoCB	13.67		1.0010	1.0008	-0.2	2.93E+07	3.07	1.01	3,630	1.68E+04	20.6
PCB-4 22'-DiCB	13.94	B	1.0012	1.0009	-0.3	3.03E+06	1.47	0.98	613	5.34E+03	9.64
PCB-10 26-DiCB	14.09	B	1.0136	1.0116	-1.7	7.36E+05	1.37	1.39	105	5.34E+03	6.83
PCB-9 25-DiCB	15.86	EMPC	1.0010	1.0008	-0.2	1.08E+06	1.32	0.90	285	1.27E+04	35.9
PCB-7 24-DiCB	16.02		1.0112	1.0105	-0.7	9.00E+05	1.64	0.83	259	1.27E+04	39
PCB-6 23'-DiCB	16.26		1.0259	1.0258	-0.1	2.88E+06	1.40	0.96	709	1.27E+04	33.4
PCB-5 23-DiCB	16.52		1.0445	1.0426	-1.9	3.58E+05	SI	0.79	108	1.27E+04	40.8
PCB-8 24'-DiCB	16.67	B	1.0520	1.0516	-0.4	2.44E+06	1.54	1.04	560	1.27E+04	31.1
PCB-14 35-DiCB	18.21		0.9307	0.9314	+0.8	4.71E+05	SI	0.81	137	1.27E+04	39.6
PCB-11 33'-DiCB	18.99	B	0.9711	0.9712	+0.1	3.62E+07	1.57	0.90	9,580	1.27E+04	35.9
PCB-13/12 34'/34-DiCB	19.27	C	0.9858	0.9855	-0.3	9.92E+05	SI	0.82	287	1.27E+04	39.3
PCB-15 44'-DiCB	19.58	B	1.0007	1.0012	+0.6	5.07E+05	SI	0.97	125	1.27E+04	33.3
PCB-19 22'6-TrCB	16.97	B EMPC	1.0011	1.0017	+0.6	5.89E+05	0.86	1.03	119	7.34E+03	15.6
PCB-30/18 246/22'5-TrCB	18.71	B C	1.1030	1.1045	+1.7	2.00E+06	0.95	1.48	282	7.34E+03	10.9
PCB-17 22'4-TrCB	19.08	B	1.1270	1.1263	-0.8	1.21E+06	1.15	1.03	245	7.34E+03	15.7
PCB-27 23'6-TrCB	19.27	B	1.1387	1.1375	-1.4	2.32E+05	1.10	1.42	34.1	7.34E+03	11.3
PCB-24 236-TrCB	19.41	J EMPC	1.1462	1.1454	-0.9	4.59E+04	1.31	1.43	6.68	7.34E+03	11.3
PCB-16 22'3-TrCB	19.49	B	1.1524	1.1505	-2.2	5.54E+05	1.02	1.03	112	7.34E+03	15.7
PCB-32 24'6-TrCB	19.98	B	1.1803	1.1794	-1.1	1.06E+06	1.11	1.59	139	7.34E+03	10.1
PCB-34 23'5'-TrCB	ND		0.8163					0.95	ND	1.63E+04	17.1
PCB-23 235-TrCB	ND		0.8218					0.97	ND	1.63E+04	16.7
PCB-26/29 23'5/245-TrCB	21.54	B EMPC C	0.8330	0.8346	+2.1	6.80E+05	0.86	0.96	68.3	1.63E+04	16.9
PCB-25 23'4-TrCB	21.75	B	0.8409	0.8426	+2.2	3.86E+05	1.05	1.19	31.3	1.63E+04	13.7
PCB-31 24'5-TrCB	22.02	B	0.8517	0.8534	+2.2	2.98E+06	1.15	1.16	249	1.63E+04	14.1
PCB-28/20 244'/233'-TrCB	22.29	B C	0.8626	0.8636	+1.3	3.27E+06	0.95	1.06	299	1.63E+04	15.4
PCB-21/33 234/23'4'-TrCB	22.49	B C	0.8696	0.8715	+2.6	1.56E+06	1.03	1.04	145	1.63E+04	15.7
PCB-22 234'-TrCB	22.85	B	0.8845	0.8855	+1.4	1.00E+06	0.92	1.11	86.8	1.63E+04	14.6
PCB-36 33'5-TrCB	ND		0.9378					1.15	ND	1.63E+04	14.1
PCB-39 34'5-TrCB	ND		0.9504					1.02	ND	1.63E+04	15.9
PCB-38 345-TrCB	ND		0.9706					1.05	ND	1.63E+04	15.4
PCB-35 33'4-TrCB	25.47	B	0.9865	0.9869	+0.6	8.45E+05	1.03	0.99	82.5	1.63E+04	16.4
PCB-37 344'-TrCB	25.83	B	1.0007	1.0007	0	8.23E+05	1.10	1.03	76.9	1.63E+04	15.7
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	2.00E+03	3.72
PCB-50/53 22'46/22'56'-TeCB	21.77	J B C	0.9120	0.9123	+0.4	4.46E+05	0.78	0.93	37.5	3.18E+03	2.85
PCB-45 22'36-TeCB	22.37	B EMPC	0.9369	0.9375	+0.8	2.64E+05	0.63	0.78	26.2	3.18E+03	3.37
PCB-51 22'46'-TeCB	22.43	B	0.9395	0.9399	+0.5	4.59E+05	0.73	0.94	38.1	3.18E+03	2.82
PCB-46 22'36'-TeCB	22.64	J B	0.9488	0.9485	-0.4	8.67E+04	0.72	0.74	9.08	3.18E+03	3.55
PCB-52 22'55'-TeCB	23.89	B	1.0010	1.0009	-0.1	5.17E+06	0.79	1.02	393	3.18E+03	2.58
PCB-73 23'5'6-TeCB	ND		1.0061					1.27	ND	3.18E+03	2.07

Lab ID: B9847_21458_PCB_004

ACQ: 08-Oct-2024 10:12:11 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #4 Mill on

UTP: 11-Oct-2024 12:38:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 186-417-HCB/C

Datafile: 241007B18

RPT: 11-Oct-2024 12:55 JJ

Stds (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.09	J B EMPC	1.0100	1.0095	-0.7	1.02E+05	0.61	0.91	8.76	3.18E+03	2.91
PCB-69/49 23'46/22'45'-TeCB	24.31	B C	1.0181	1.0188	+1.0	2.02E+06	0.75	1.06	148	3.18E+03	2.48
PCB-48 22'45'-TeCB	24.56	B	1.0299	1.0293	-0.9	4.27E+05	0.80	0.89	37.5	3.18E+03	2.97
PCB-44/47/65 ...-TeCB	24.78	B C	1.0391	1.0384	-1.0	5.01E+06	0.72	1.02	382	3.18E+03	2.59
PCB-59/62/75 ...-TeCB	25.06	J B C	1.0505	1.0500	-0.8	3.27E+05	0.89	1.17	21.8	3.18E+03	2.26
PCB-42 22'34'-TeCB	25.23	B	1.0580	1.0572	-1.2	5.27E+05	0.74	0.80	51.2	3.18E+03	3.29
PCB-41 22'34'-TeCB	25.55	B	1.0720	1.0708	-1.8	2.28E+05	0.77	0.71	24.9	3.18E+03	3.7
PCB-71/40 23'4'6/22'33'-TeCB	25.65	B C	1.0761	1.0750	-1.7	1.13E+06	0.80	0.98	90.2	3.18E+03	2.7
PCB-64 234'6'-TeCB	25.85	B	1.0844	1.0833	-1.7	1.13E+06	0.77	1.20	73.3	3.18E+03	2.2
PCB-72 23'55'-TeCB	ND		0.8391					1.06	ND	6.93E+03	5.42
PCB-68 23'45'-TeCB	26.81	J B	0.8471	0.8477	+1.0	2.10E+05	0.88	0.98	16.7	6.93E+03	5.87
PCB-57 233'5'-TeCB	ND		0.8589					1.01	ND	6.93E+03	5.68
PCB-58 233'5'-TeCB	ND		0.8655					1.12	ND	6.93E+03	5.14
PCB-67 23'45'-TeCB	ND		0.8702					1.18	ND	6.93E+03	4.87
PCB-63 234'5'-TeCB	27.76	J	0.8775	0.8777	+0.3	7.56E+04	0.80	0.91	6.45	6.93E+03	6.3
PCB-61/70/74/76 ...-TeCB	28.07	B C	0.8867	0.8873	+1.0	4.85E+06	0.80	1.05	360	6.93E+03	5.47
PCB-66 23'44'-TeCB	28.34	B	0.8958	0.8960	+0.3	2.08E+06	0.79	1.04	155	6.93E+03	5.5
PCB-55 233'4'-TeCB	ND		0.9006					1.10	ND	6.93E+03	5.22
PCB-56 233'4'-TeCB	28.92	B	0.9145	0.9144	-0.2	7.06E+05	0.75	1.02	53.5	6.93E+03	5.6
PCB-60 2344'-TeCB	29.12	B	0.9206	0.9205	-0.2	5.01E+05	0.77	0.88	44	6.93E+03	6.49
PCB-80 33'55'-TeCB	ND		0.9306					1.02	ND	6.93E+03	5.65
PCB-79 33'45'-TeCB	30.83	J EMPC	0.9730	0.9747	+3.1	1.05E+05	0.52	1.15	7.11	6.93E+03	4.98
PCB-78 33'45'-TeCB	ND		0.9884					0.92	ND	6.93E+03	6.23
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	1.87E+03	1.53
PCB-96 22'366'-PeCB	25.05	J EMPC	1.0146	1.0143	-0.5	4.47E+04	0.44	0.97	4.29	1.87E+03	1.58
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	4.45E+03	5.01
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	4.45E+03	5.97
PCB-95 22'35'6'-PeCB	27.30	B	0.9159	0.9164	+0.8	4.37E+06	0.66	0.72	496	4.45E+03	5.27
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.72	ND	4.45E+03	5.31
PCB-102 22'456'-PeCB	27.60	J B EMPC	0.9261	0.9264	+0.5	1.09E+05	0.73	0.84	10.6	4.45E+03	4.54
PCB-98 22'34'6'-PeCB	ND		0.9284					0.84	ND	4.45E+03	4.53
PCB-88 22'346'-PeCB	28.00	J	0.9386	0.9398	+2.0	3.84E+04	0.60	0.69	4.59	4.45E+03	5.54
PCB-91 22'34'6'-PeCB	28.04	B	0.9411	0.9414	+0.5	5.42E+05	0.66	0.73	60.9	4.45E+03	5.21
PCB-84 22'33'6'-PeCB	28.24	B	0.9479	0.9481	+0.3	1.14E+06	0.60	0.61	154	4.45E+03	6.25
PCB-89 22'346'-PeCB	28.65	J EMPC	0.9617	0.9618	+0.2	3.64E+04	0.72	0.73	4.1	4.45E+03	5.22
PCB-121 23'45'6'-PeCB	ND		0.9725					1.10	ND	4.45E+03	3.47
PCB-92 22'355'-PeCB	29.31	B	0.9838	0.9840	+0.4	7.93E+05	0.55	0.68	96.1	4.45E+03	5.62
PCB-113/90/101 ...-PeCB	29.81	B C	1.0000	1.0008	+1.4	5.79E+06	0.59	0.81	590	4.45E+03	4.72
PCB-83 22'33'5'-PeCB	30.23	B	1.0148	1.0147	-0.2	2.17E+05	0.65	0.54	33	4.45E+03	7.05
PCB-99 22'44'5'-PeCB	30.31	B	1.0176	1.0176	0	1.78E+06	0.61	0.99	148	4.45E+03	3.85
PCB-112 233'56'-PeCB	30.38	J B	1.0213	1.0199	-2.6	7.22E+04	0.60	1.14	5.22	4.45E+03	3.35

Lab ID: B9847_21458_PCB_004

ACQ: 08-Oct-2024 10:12:11 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #4 Mill on

UTP: 11-Oct-2024 12:38:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 186-417-HCB/C

Datafile: 241007B18

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.80	B C	1.0330	1.0341	+2.0	3.10E+06	0.63	0.88	291	4.45E+03	4.35
PCB-117 234'56-PeCB	31.30	J B EMPC	1.0509	1.0507	-0.4	9.53E+04	0.86	0.85	9.2	4.45E+03	4.47
PCB-116/85 23456/22'344'-PeCB	31.39	B C	1.0538	1.0536	-0.4	5.55E+05	0.56	0.84	54.4	4.45E+03	4.54
PCB-110 233'4'6-PeCB	31.52	B	1.0582	1.0580	-0.4	5.19E+06	0.62	1.09	390	4.45E+03	3.49
PCB-115 2344'6-PeCB	31.59	J	1.0605	1.0604	-0.2	2.22E+05	0.64	1.03	17.7	4.45E+03	3.69
PCB-82 22'33'4-PeCB	31.80	B	1.0679	1.0676	-0.6	3.28E+05	0.68	0.69	39	4.45E+03	5.52
PCB-111 233'55'-PeCB	ND		1.0779					0.95	ND	4.45E+03	4
PCB-120 23'455'-PeCB	ND		1.0913					1.15	ND	4.45E+03	3.32
PCB-108/124 ...-PeCB	33.49	J C	0.9915	0.9918	+0.6	1.61E+05	0.60	0.91	14.5	4.45E+03	4.18
PCB-107 233'4'5-PeCB	33.69	B	0.9976	0.9976	0	2.44E+05	0.69	1.00	20	4.45E+03	3.81
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	4.45E+03	4
PCB-122 233'4'5'-PeCB	ND		1.0095					0.76	ND	4.45E+03	5.18
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	4.45E+03	4.49
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	2.00E+03	1.39
PCB-152 22'3566'-HxCB	ND		1.0072					0.98	ND	2.00E+03	1.35
PCB-150 22'34'66'-HxCB	ND		1.0118					0.84	ND	2.00E+03	1.57
PCB-136 22'33'66'-HxCB	30.25	B EMPC	1.0228	1.0226	-0.4	1.38E+06	1.52	0.79	123	2.00E+03	1.67
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	2.00E+03	1.45
PCB-148 22'34'56'-HxCB	ND		1.0741					0.91	ND	2.00E+03	1.81
PCB-151/135 ...-HxCB	32.30	B C	1.0925	1.0917	-1.6	2.85E+06	1.29	0.89	272	2.00E+03	1.86
PCB-154 22'44'56'-HxCB	32.49	J	1.0987	1.0982	-1.0	6.63E+04	1.13	0.95	5.91	2.00E+03	1.73
PCB-144 22'345'6-HxCB	32.78	B	1.1082	1.1079	-0.6	4.42E+05	1.35	0.87	43	2.00E+03	1.89
PCB-147/149 ...-HxCB	33.08	B C	1.1186	1.1181	-1.0	5.63E+06	1.34	0.96	501	2.00E+03	1.73
PCB-134 22'33'56-HxCB	33.26	B	1.1248	1.1243	-1.0	2.85E+05	1.32	0.71	34.1	2.00E+03	2.32
PCB-143 22'3456'-HxCB	ND		1.1273					0.85	ND	2.00E+03	1.94
PCB-139/140 ...-HxCB	33.59	J B C	1.1359	1.1353	-1.2	9.29E+04	1.17	0.93	8.55	2.00E+03	1.78
PCB-131 22'33'46-HxCB	33.77	J	1.1421	1.1416	-1.0	6.19E+04	1.28	0.80	6.56	2.00E+03	2.05
PCB-142 22'3456-HxCB	ND		1.1468					0.78	ND	2.00E+03	2.11
PCB-132 22'33'46'-HxCB	34.17	B	1.1554	1.1550	-0.8	1.52E+06	1.30	0.81	160	2.00E+03	2.04
PCB-133 22'33'55'-HxCB	34.56	J EMPC	1.1687	1.1681	-1.2	7.80E+04	1.69	0.90	7.37	2.00E+03	1.83
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	2.00E+03	1.65
PCB-146 22'34'55'-HxCB	35.11	B	0.9569	0.9569	0	7.23E+05	1.19	1.00	61.8	2.00E+03	1.66
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	2.00E+03	1.39
PCB-153/168 ...-HxCB	35.64	B C	0.9717	0.9712	-1.1	5.35E+06	1.34	1.09	419	2.00E+03	1.52
PCB-141 22'3455'-HxCB	35.82	B	0.9761	0.9761	0	1.14E+06	1.36	0.79	123	2.00E+03	2.09
PCB-130 22'33'45'-HxCB	36.16		0.9856	0.9855	-0.2	1.68E+05	1.24	0.67	21.4	2.00E+03	2.47
PCB-137 22'344'5-HxCB	36.36	J	0.9907	0.9908	+0.2	1.28E+05	1.14	0.71	15.2	2.00E+03	2.31
PCB-164 233'4'5'6-HxCB	36.45	EMPC	0.9933	0.9934	+0.2	3.06E+05	1.02	1.18	22.1	2.00E+03	1.4
PCB-163/138/129 ...-HxCB	36.72	B C	1.0011	1.0007	-0.9	4.00E+06	1.21	0.85	402	2.00E+03	1.95
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	2.00E+03	1.66
PCB-158 233'44'6-HxCB	37.05	B	1.0097	1.0097	0	4.78E+05	1.21	1.09	37.4	2.00E+03	1.52

Lab ID: B9847_21458_PCB_004

ACQ: 08-Oct-2024 10:12:11 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #4 Mill on

UTP: 11-Oct-2024 12:38:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 186-417-HCB/C

Datafile: 241007B18

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.82	J B C	0.9631	0.9636	+1.1	3.29E+05	1.15	0.90	35.7	3.18E+03	3.62
PCB-159 233'455'-HxCB	38.59	J	0.9839	0.9832	-1.6	6.11E+04	1.17	1.13	5.26	3.18E+03	2.88
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	3.18E+03	3.44
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.40E+03	1.8
PCB-179 22'33'566'-HpCB	34.79	B EMPC	1.0095	1.0094	-0.2	1.21E+06	1.25	1.02	85.5	2.40E+03	1.69
PCB-184 22'344'66'-HpCB	ND		1.0221					0.95	ND	2.40E+03	1.82
PCB-176 22'33'466'-HpCB	35.54	B	1.0313	1.0311	-0.4	3.94E+05	0.91	0.86	33.2	2.40E+03	2.02
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	2.40E+03	1.68
PCB-178 22'33'55'6'-HpCB	37.08	B EMPC	1.0758	1.0757	-0.2	2.69E+05	1.50	0.66	29.4	2.40E+03	2.61
PCB-175 22'33'45'6'-HpCB	37.63	J EMPC	1.0915	1.0917	+0.5	6.14E+04	1.22	0.97	7.52	3.62E+03	4.58
PCB-187 22'34'55'6'-HpCB	37.85	B	1.0982	1.0982	0	1.65E+06	1.15	1.21	162	3.62E+03	3.68
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	3.62E+03	3.8
PCB-183 22'344'5'6'-HpCB	38.37	B	1.1133	1.1133	0	7.13E+05	1.03	1.00	84.6	3.62E+03	4.44
PCB-185 22'3455'6'-HpCB	38.47	J	1.1161	1.1162	+0.2	1.51E+05	1.02	0.94	19	3.62E+03	4.73
PCB-174 22'33'456'-HpCB	38.58	B	1.1195	1.1195	0	1.06E+06	1.12	1.02	124	3.62E+03	4.37
PCB-177 22'33'45'6'-HpCB	38.96	B	1.1304	1.1304	0	4.81E+05	1.01	0.98	58.3	3.62E+03	4.54
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	3.62E+03	4.32
PCB-171/173 ...-HpCB	39.49	J C	1.1458	1.1458	0	1.81E+05	0.97	0.88	24.5	3.62E+03	5.05
PCB-172 22'33'455'-HpCB	40.86	J EMPC	0.9058	0.9057	-0.2	7.17E+04	1.21	0.86	9.94	3.62E+03	5.19
PCB-192 233'455'6'-HpCB	ND		0.9112					1.22	ND	3.62E+03	3.66
PCB-180/193 ...-HpCB	41.41	B C	0.9175	0.9178	+0.7	1.30E+06	1.12	1.01	153	3.62E+03	4.41
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.05	ND	3.62E+03	4.27
PCB-170 22'33'44'5'-HpCB	42.49	B EMPC	0.9422	0.9419	-0.8	2.57E+05	0.81	0.93	41.7	3.62E+03	6.29
PCB-190 233'44'56-HpCB	42.94	J EMPC	0.9521	0.9519	-0.5	5.70E+04	0.74	1.27	6.83	3.62E+03	4.64
PCB-202 22'33'55'66'-OcCB	39.05	J	1.0006	1.0006	0	1.88E+05	0.94	0.96	17.5	2.35E+03	2.18
PCB-201 22'33'45'66'-OcCB	39.82	J	1.0206	1.0205	-0.2	9.98E+04	0.87	0.79	11.2	2.35E+03	2.64
PCB-204 22'344'566'-OcCB	ND		1.0353					0.91	ND	2.35E+03	2.29
PCB-197 22'33'44'66'-OcCB	40.58	J EMPC	1.0403	1.0399	-1.0	3.55E+04	1.27	0.83	3.8	2.35E+03	2.51
PCB-200 22'33'4566'-OcCB	40.70	J B	1.0430	1.0431	+0.2	6.89E+04	0.93	0.81	7.6	2.35E+03	2.59
PCB-198/199 ...-OcCB	43.07	J B C	1.1028	1.1036	+2.1	2.32E+05	0.76	0.63	32.6	2.35E+03	3.29
PCB-196 22'33'44'56'-OcCB	43.62	J B	1.1176	1.1177	+0.3	8.81E+04	0.76	0.54	14.4	2.35E+03	3.84
PCB-203 22'344'55'6'-OcCB	43.78	J B EMPC	1.1219	1.1219	0	1.25E+05	1.10	0.67	16.5	2.35E+03	3.12
PCB-195 22'33'44'56-OcCB	44.93	J	0.9493	0.9492	-0.3	4.23E+04	0.80	0.91	8.85	2.37E+03	5.79
PCB-194 22'33'44'55'-OcCB	46.91	J	0.9912	0.9911	-0.3	5.93E+04	0.88	0.86	13.1	2.37E+03	6.11
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	2.37E+03	5.71
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	3.73E+03	5.84
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.87	ND	3.73E+03	6.43
PCB-206 22'33'44'55'6'-NoCB	ND		1.0005					0.93	ND	3.73E+03	12.9
AS PCB-32	19.963		1.2602	1.2597	-0.6	3.25E+07	1.02	0.84	63.8 %	50%	150%
AS PCB-97	30.731		1.0318	1.0316	-0.4	3.34E+07	1.53	0.85	62.2 %	50%	150%
AS PCB-159	38.599		1.0518	1.0519	+0.2	5.44E+07	1.26	1.16	79.8 %	50%	150%

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 186-417

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 13:00 Page 1 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



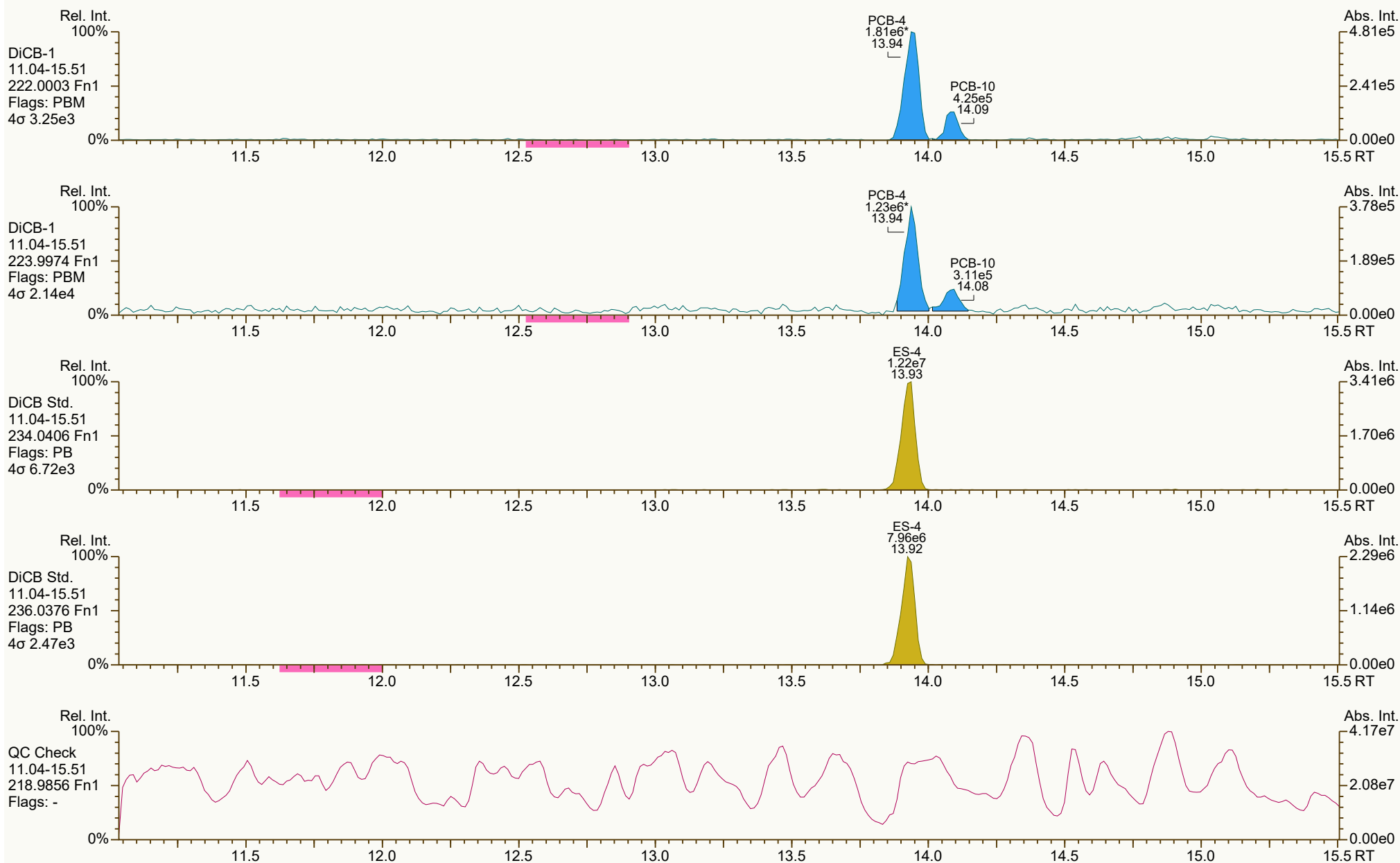
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9418, 9484 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 2 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9917, 6432 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 3 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



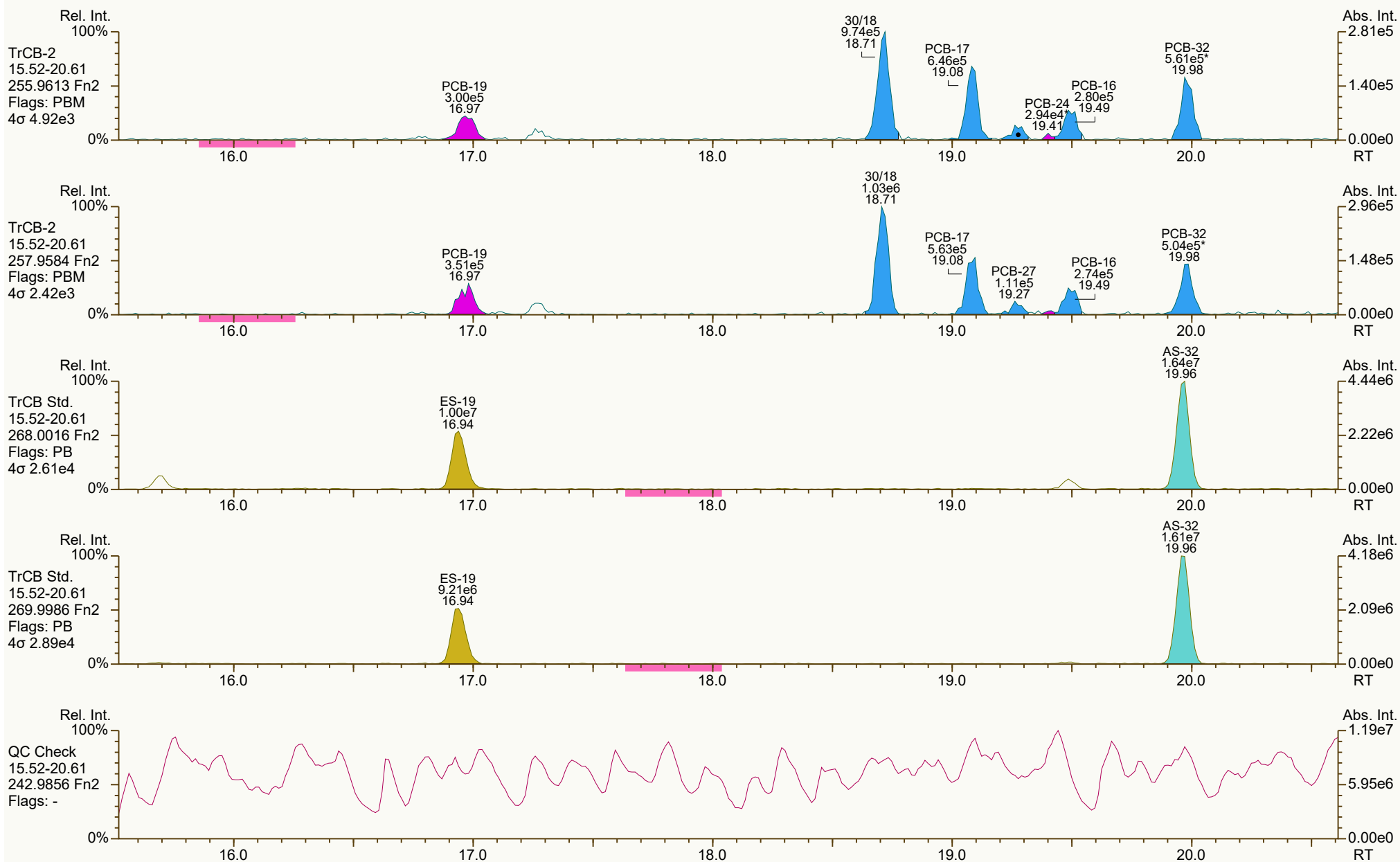
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7185, 7509 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 4 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



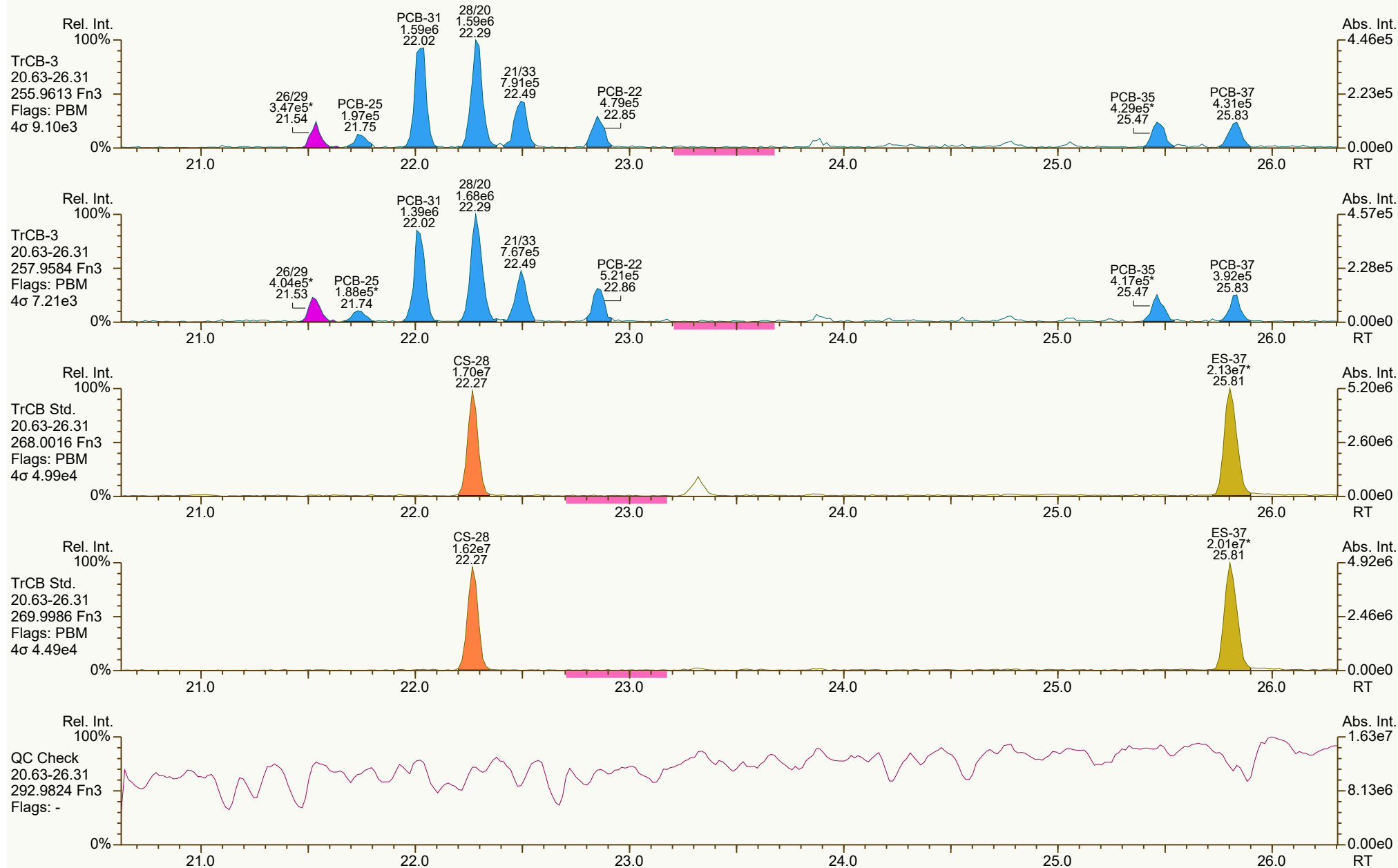
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5983, 4858 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 5 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3570, 3437 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 6 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



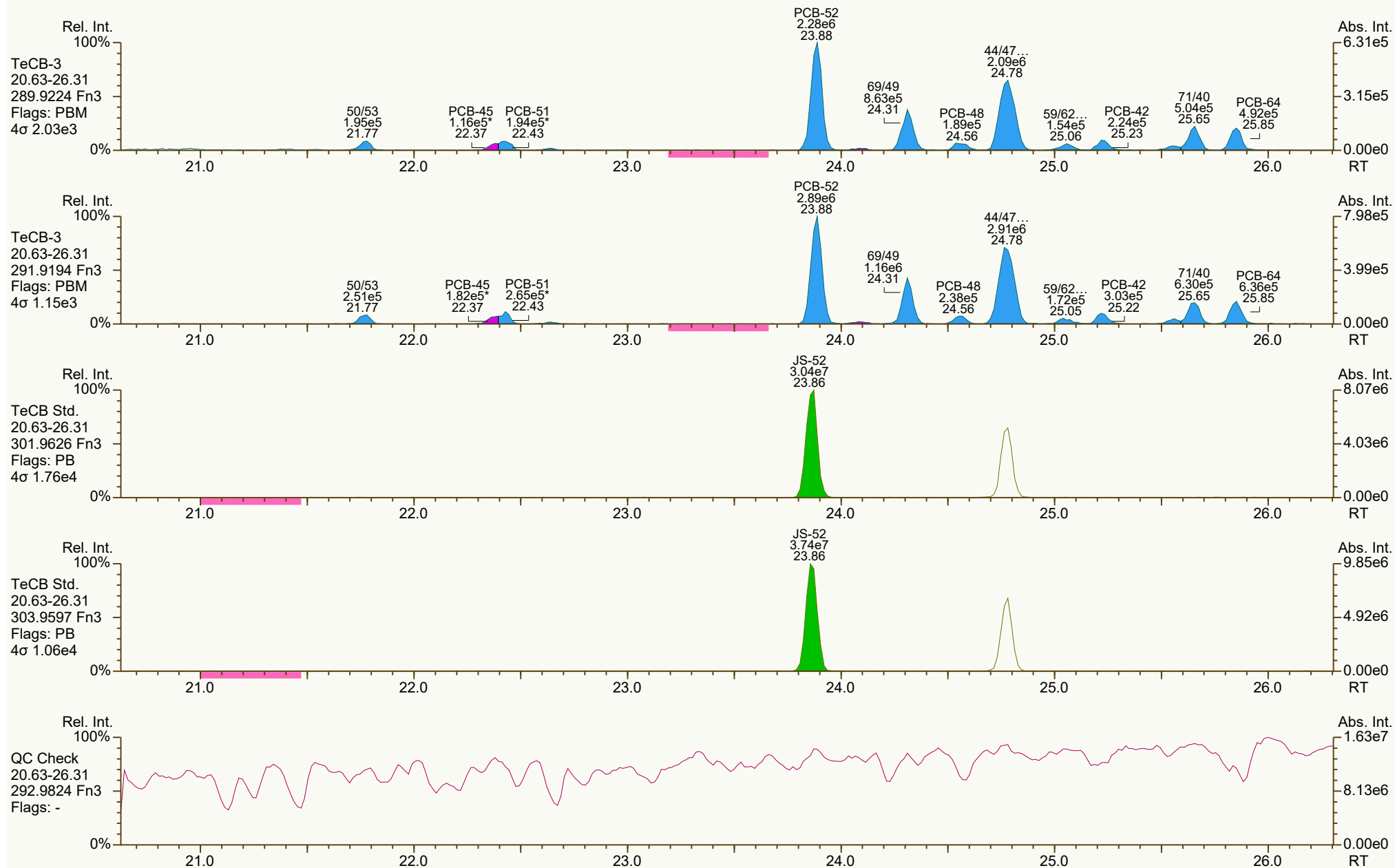
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2370, 5800 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 7 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



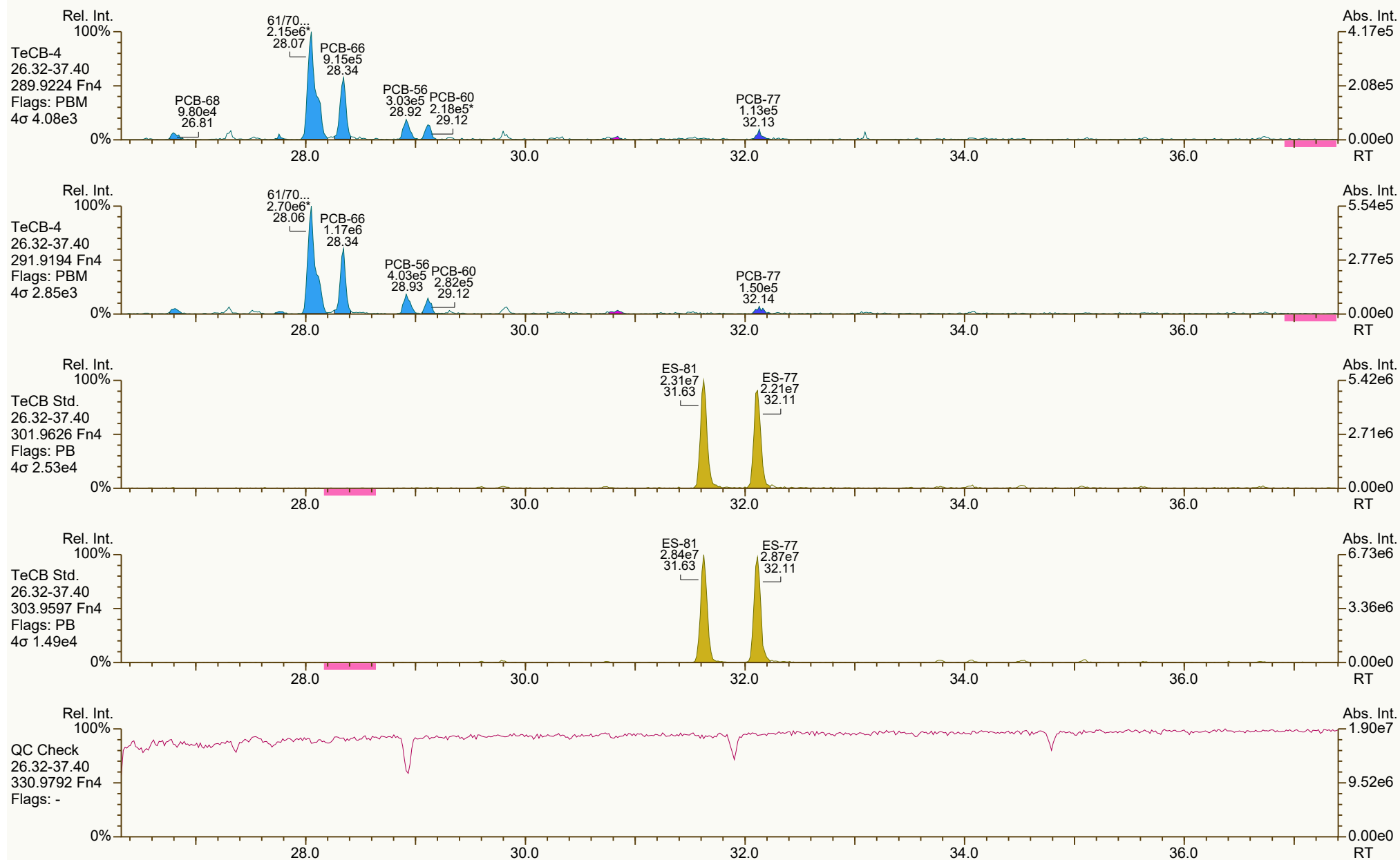
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4422, 7077 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 8 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3487, 7192 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 9 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



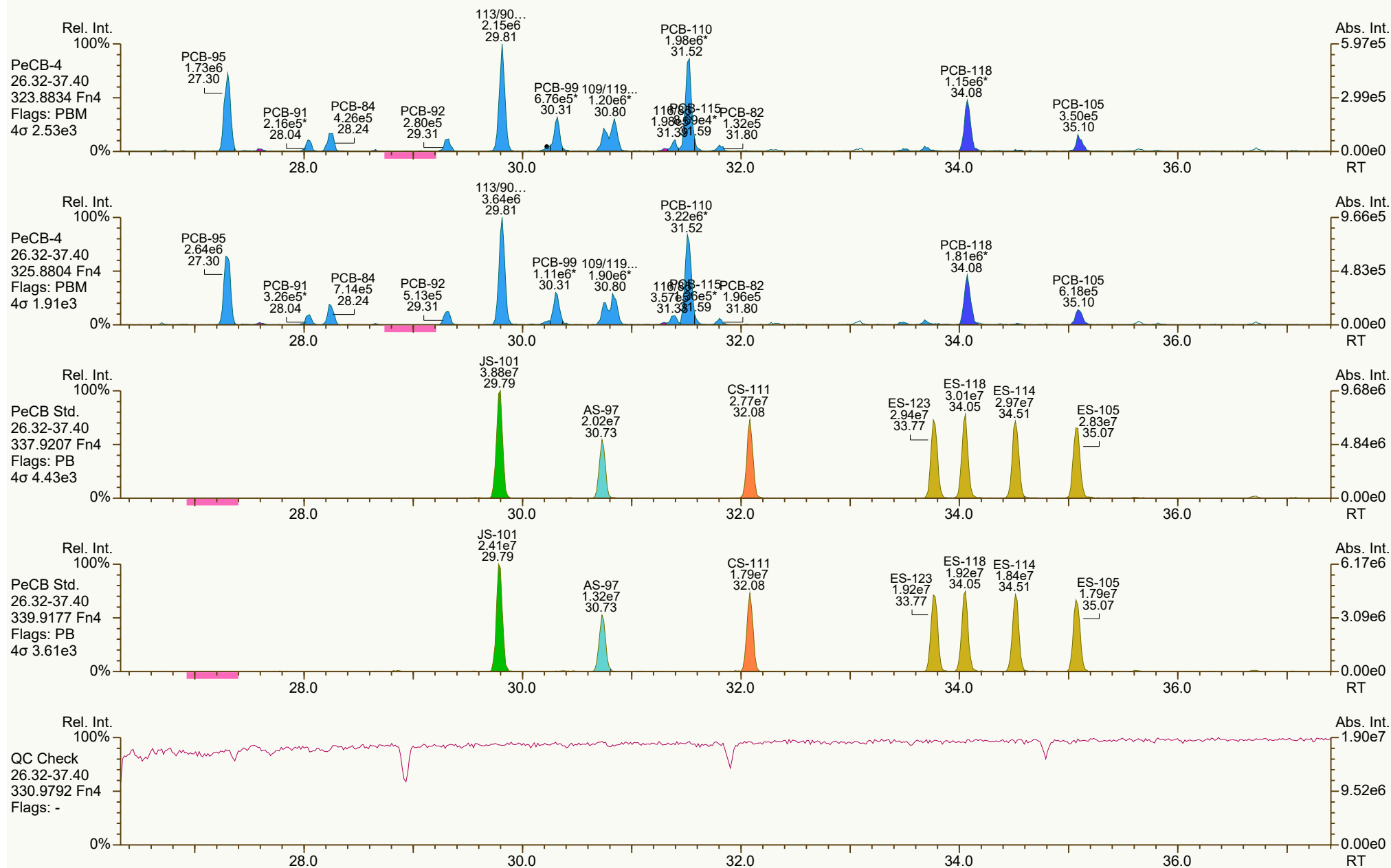
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1074, 0867 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 10 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



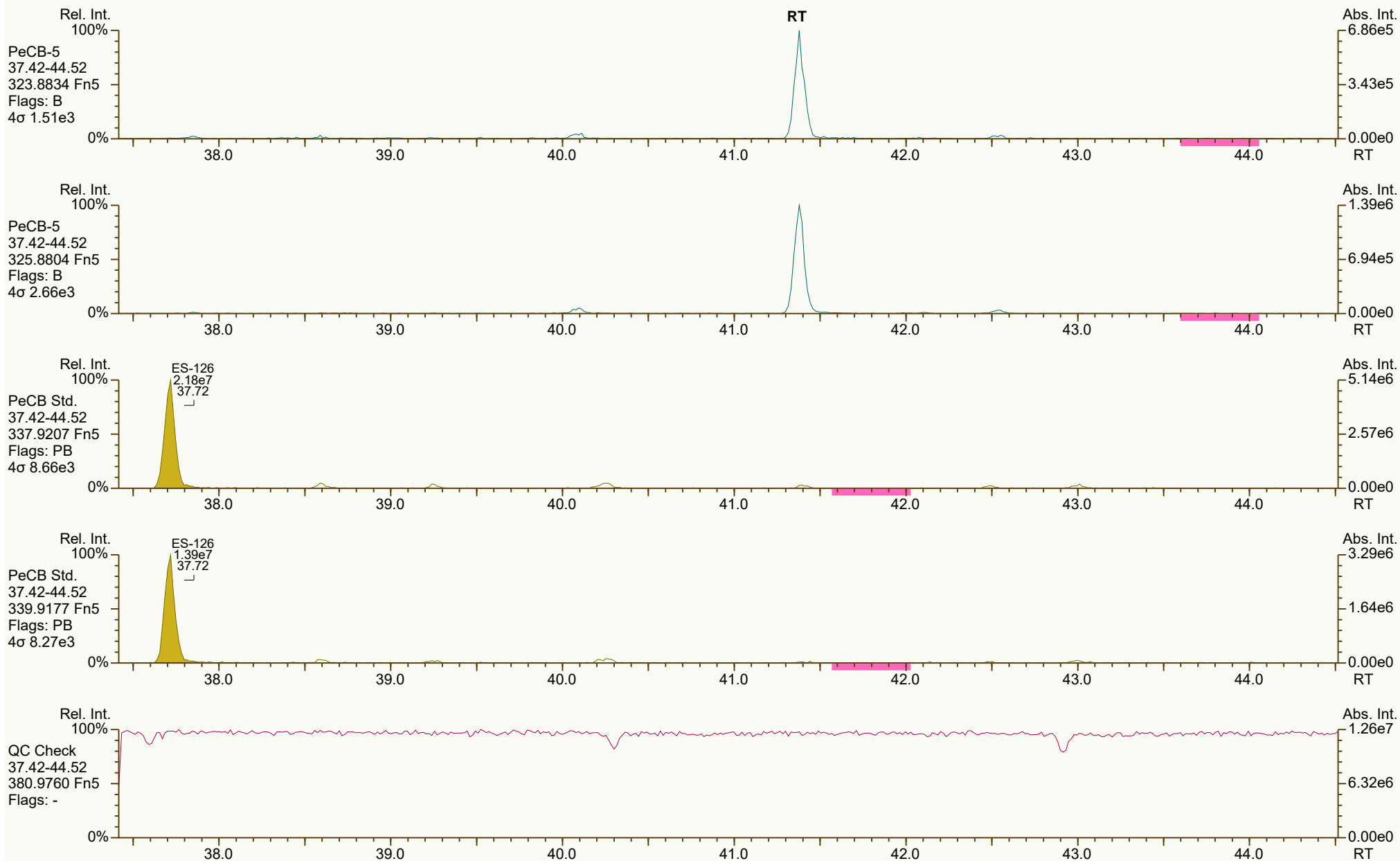
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3173, 4441 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 11 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6105, 3698 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 12 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7828, 3745 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 13 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



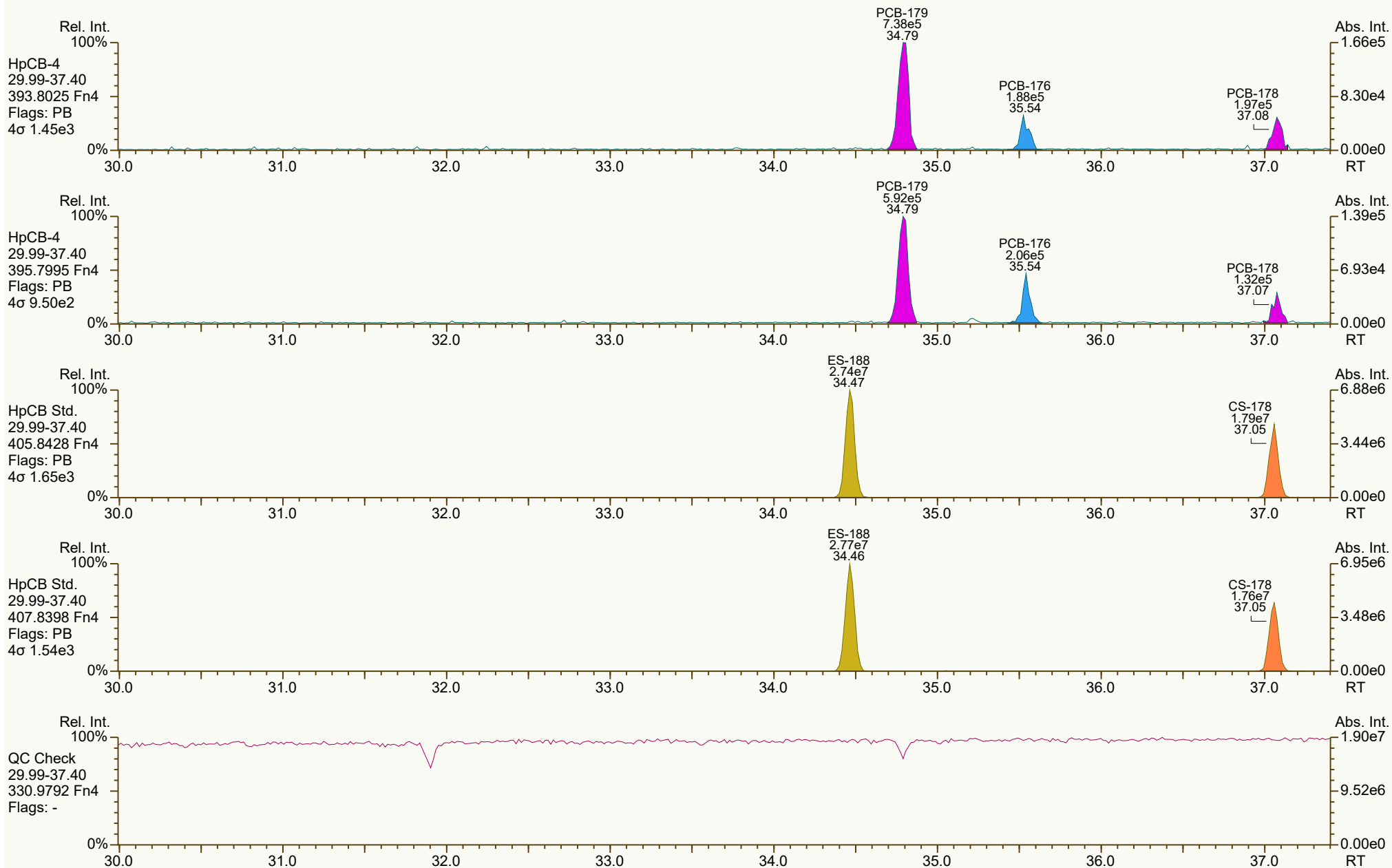
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0356, 6868 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 14 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



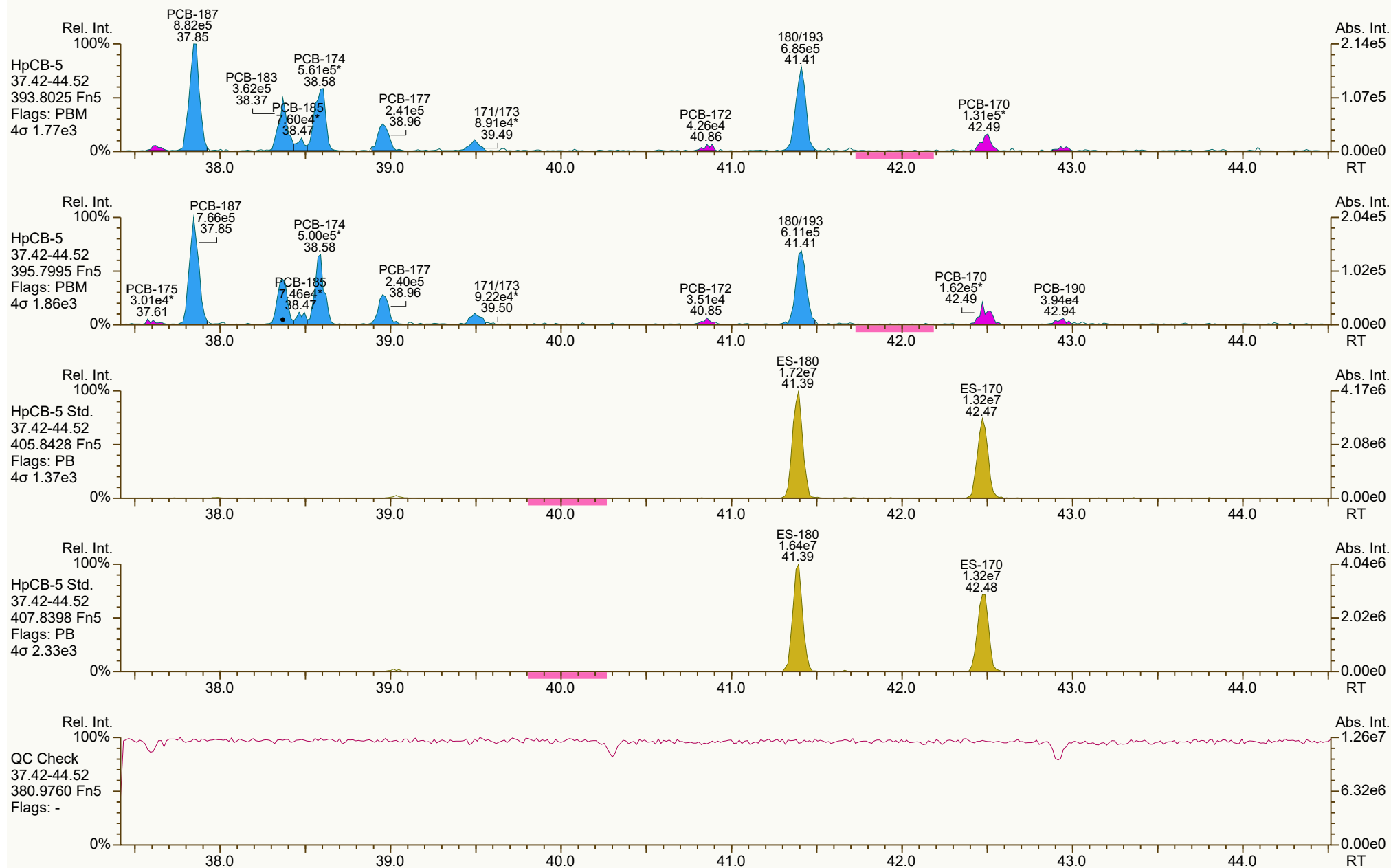
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9103, 6508 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 15 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0511, 2847 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 16 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



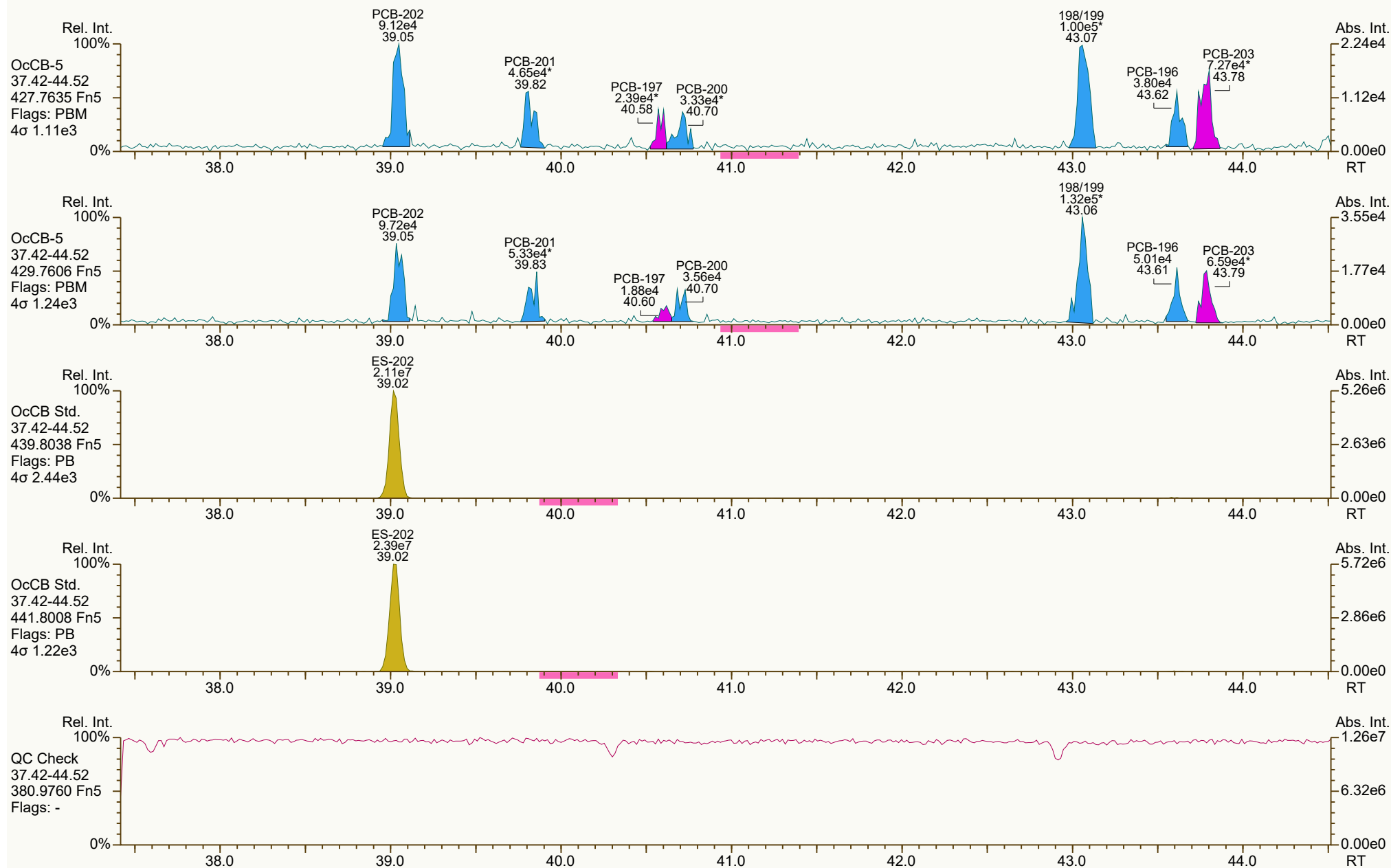
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1158, 0016 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 17 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



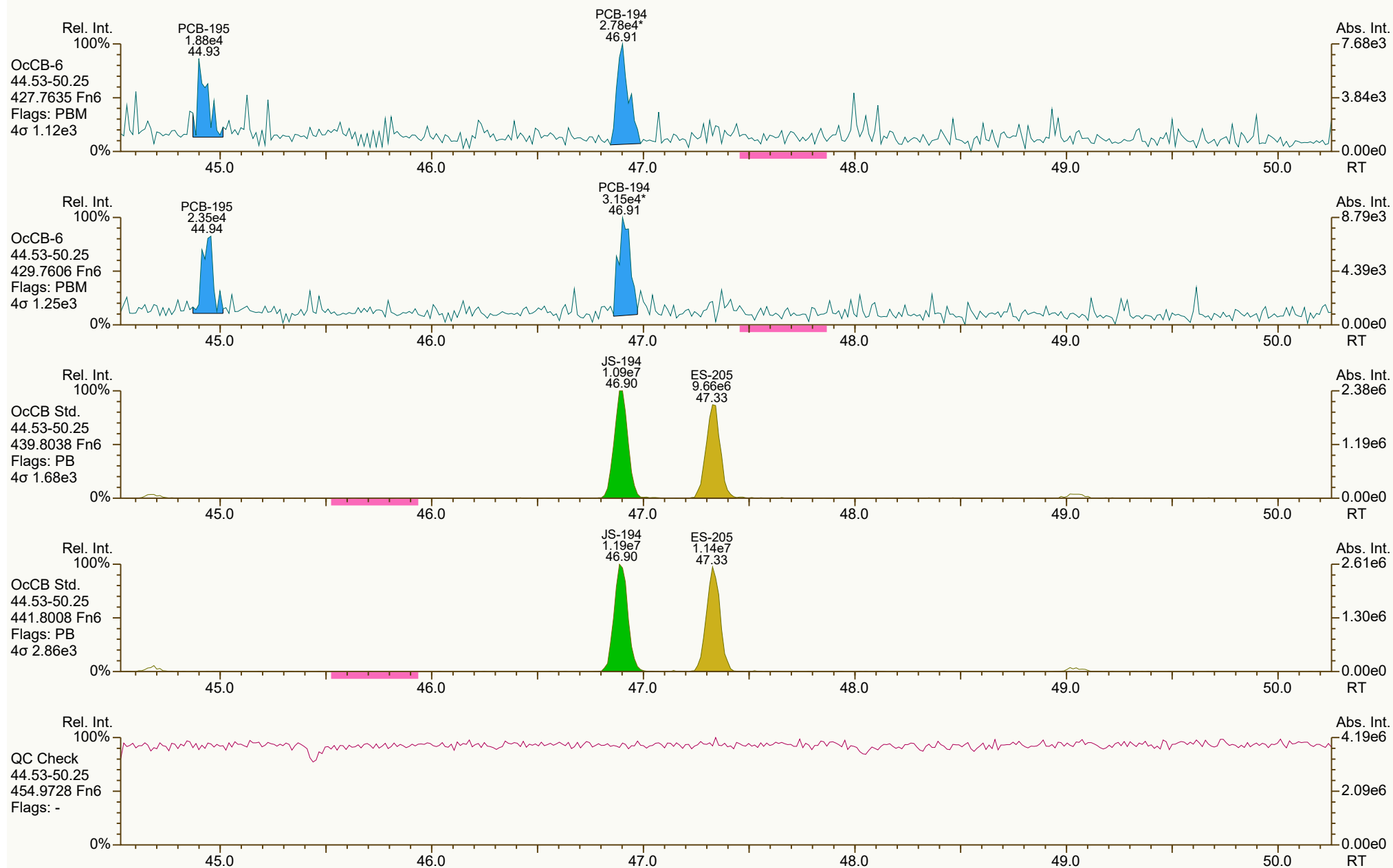
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0943, 5030 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 18 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



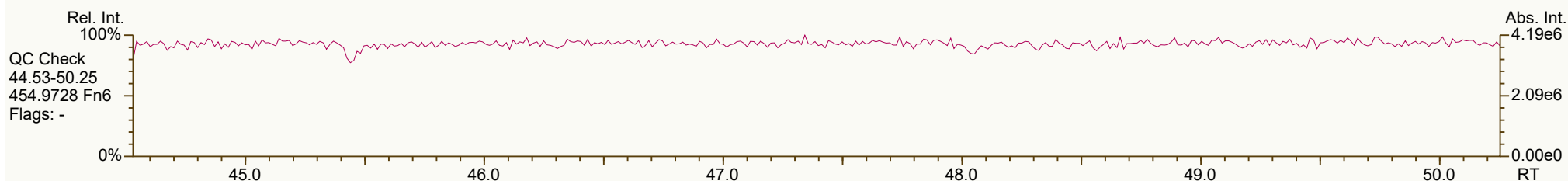
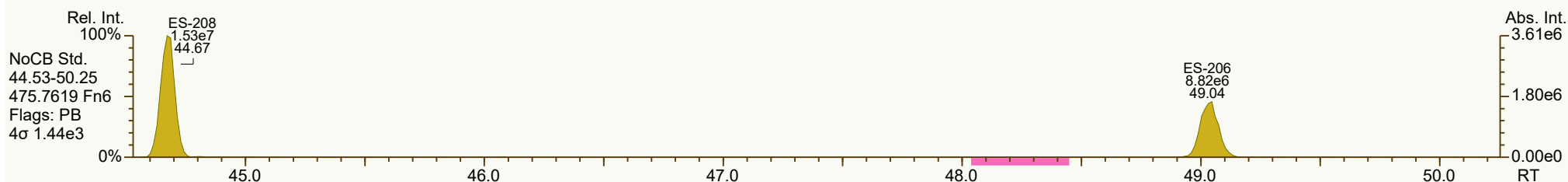
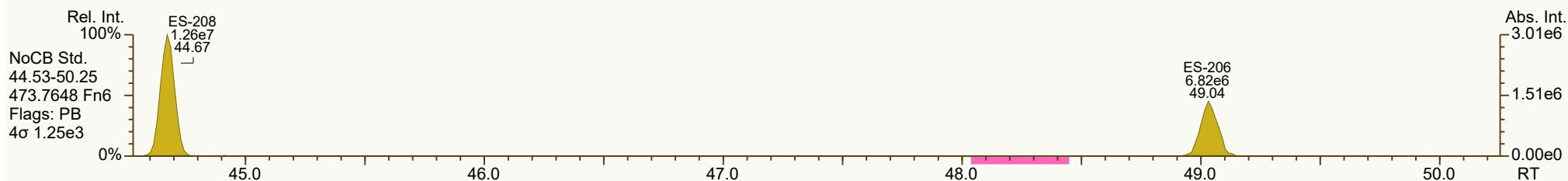
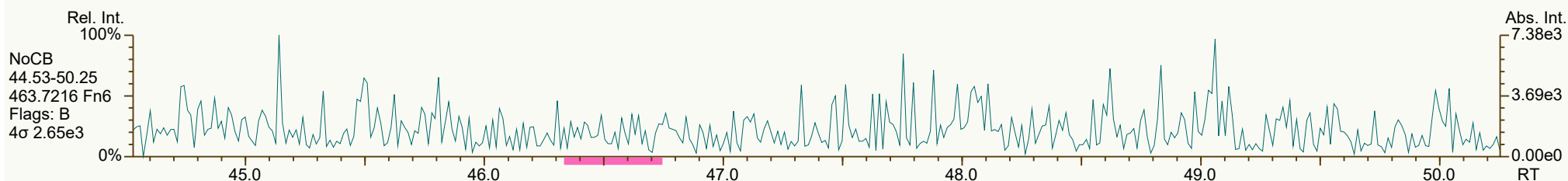
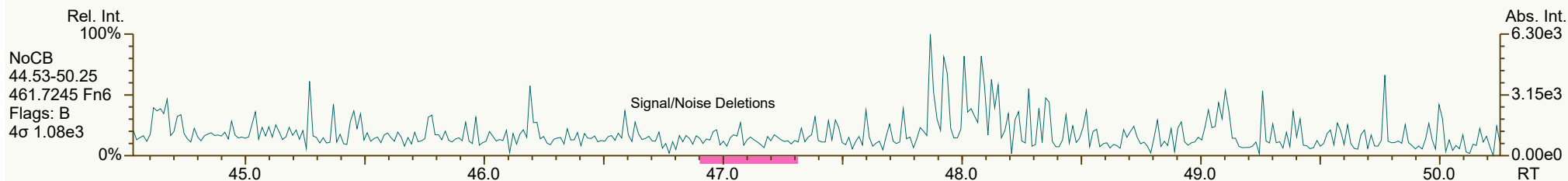
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6614, 6434 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:00 Page 19 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



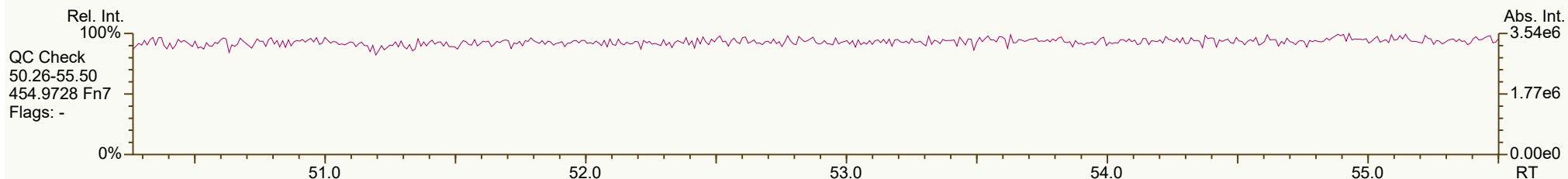
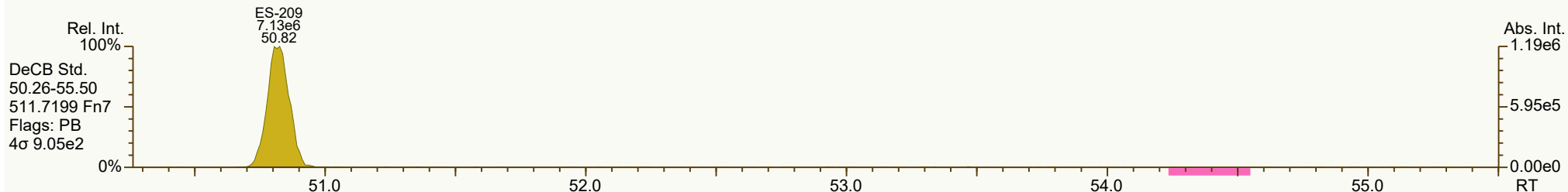
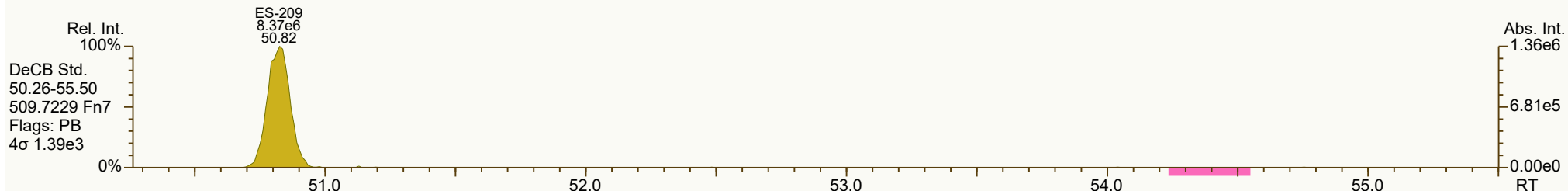
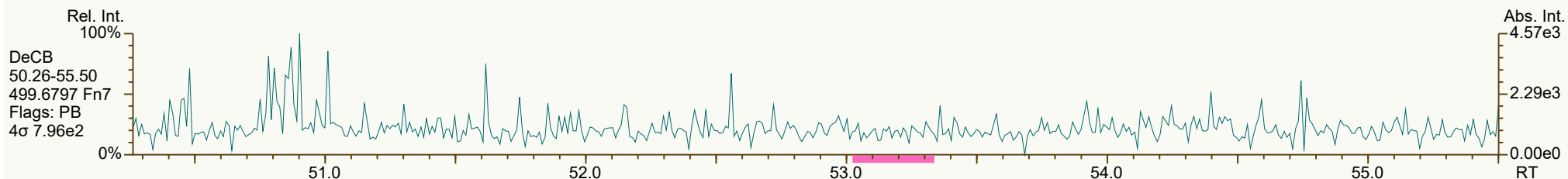
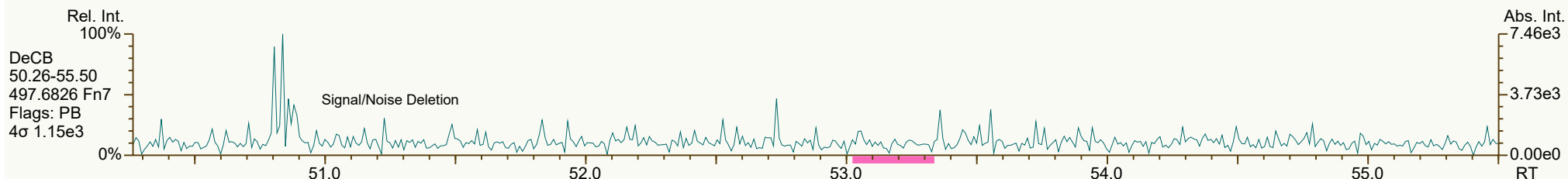
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1578, 3804 scc: 186-417

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 15:38 Printed: 11-Oct-2024 13:01 Page 20 of 21

SGS ID: B9847_21458_PCB_004
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4 Mill on
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 57

Acq: 08-Oct-2024 10:12:11
User: JLJ Datafile: 241007B18



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_004.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0697, 8548 scc: 186-417

Peak annotation: Areas, Centroids
Revised: 08-Oct-2024 15:01 (JLJ) Printed: 11-Oct-2024 13:01 Page 21 of 21

Lab ID: B9847_21458_PCB_005

ACQ: 08-Oct-2024 11:10:52 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill off

UTP: 11-Oct-2024 12:38:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 442-377-SYS/C

Datafile: 241007B19

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.20		1.0006	1.0006	0	1.57E+06	0.77	0.95	127	1.22E+04	9.54
PCB-81 344'5-TeCB	31.72		1.0005	1.0004	-0.2	2.72E+05	0.66	0.94	23.7	1.22E+04	11.4
PCB-105 233'44'-PeCB	35.14	B	1.0006	1.0007	+0.2	2.58E+06	0.62	0.97	182	1.52E+04	11.1
PCB-114 2344'5-PeCB	34.58	J	1.0007	1.0006	-0.2	1.78E+05	0.68	0.96	12.3	1.52E+04	10.5
PCB-118 23'44'5-PeCB	34.12	B	1.0007	1.0007	0	9.17E+06	0.60	0.99	599	1.52E+04	9.86
PCB-123 23'44'5'-PeCB	33.84	J B	1.0007	1.0007	0	2.59E+05	0.58	0.96	18.7	1.52E+04	11.4
PCB-126 33'44'5-PeCB	37.75	J EMPC	1.0005	1.0003	-0.5	8.95E+04	0.80	0.96	8.02	8.78E+03	7.7
PCB-156/157 ...-HxCB	40.26	J B C	1.0005	1.0001	-1.0	3.32E+05	1.29	0.96	33	4.84E+03	6.46
PCB-167 23'44'55'-HxCB	39.28	J B	1.0005	1.0004	-0.2	2.31E+05	1.32	0.94	19.3	4.84E+03	4.31
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	4.84E+03	5.47
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.41E+03	5.17
PCB-209 DeCB	50.84	J	1.0005	1.0004	-0.3	6.50E+04	1.26	0.95	15	2.08E+03	7.08
ES PCB-1	11.53		0.7219	0.7205	-1.0	1.02E+07	3.24	1.19	24.4 %	5%	145%
ES PCB-3	13.79		0.8628	0.8616	-1.0	1.43E+07	2.61	1.13	35.9 %	5%	145%
ES PCB-4	14.08		0.8777	0.8799	+1.9	7.29E+06	1.57	0.72	28.7 %	5%	145%
ES PCB-15	19.74		1.2345	1.2338	-0.8	1.33E+07	1.54	1.07	35.3 %	5%	145%
ES PCB-19	17.12		1.0688	1.0697	+0.9	1.01E+07	1.09	0.65	44.1 %	5%	145%
ES PCB-37	25.98		1.0824	1.0798	-4.1	1.82E+07	0.99	1.40	35.4 %	5%	145%
ES PCB-54	20.04		0.8288	0.8330	+5.0	7.33E+06	0.73	1.23	16.2 %	5%	145%
ES PCB-77	32.18		1.3483	1.3378	-20.3	5.23E+07	0.81	1.28	111 %	10%	145%
ES PCB-81	31.70		1.3278	1.3179	-18.8	4.87E+07	0.77	1.33	99.7 %	10%	145%
ES PCB-104	24.87		0.8278	0.8319	+6.1	2.39E+07	1.75	1.32	38.2 %	10%	145%
ES PCB-105	35.11		1.1779	1.1743	-7.6	5.86E+07	1.58	1.26	98.1 %	10%	145%
ES PCB-114	34.56		1.1590	1.1558	-6.6	6.05E+07	1.63	1.34	94.7 %	10%	145%
ES PCB-118	34.10		1.1434	1.1405	-5.9	6.19E+07	1.54	1.31	99.4 %	10%	145%
ES PCB-123	33.82		1.1339	1.1311	-5.7	5.78E+07	1.50	1.27	96 %	10%	145%
ES PCB-126	37.73		1.2663	1.2620	-9.7	4.63E+07	1.61	1.19	82.1 %	10%	145%
ES PCB-153	35.65		0.9706	0.9708	+0.4	5.71E+07	1.23	1.11	74.9 %	10%	145%
ES PCB-155	29.69		0.8059	0.8086	+4.8	4.45E+07	1.38	1.45	44.7 %	10%	145%
ES PCB-156/157	40.25	C	1.0967	1.0962	-1.2	8.40E+07	1.25	1.24	49.4 %	10%	145%
ES PCB-167	39.26		1.0695	1.0692	-0.7	5.12E+07	1.21	1.29	57.9 %	10%	145%
ES PCB-169	43.01		1.1714	1.1712	-0.5	3.84E+07	1.30	1.18	47.4 %	10%	145%
ES PCB-170	42.48		0.9058	0.9059	+0.3	3.49E+07	1.04	1.06	121 %	10%	145%
ES PCB-180	41.40		0.8827	0.8827	0	4.23E+07	1.07	1.25	124 %	10%	145%
ES PCB-188	34.51		0.9393	0.9397	+0.8	6.27E+07	1.00	1.36	67.1 %	10%	145%
ES PCB-189	45.11		0.9619	0.9620	+0.3	3.11E+07	1.03	1.37	83.1 %	10%	145%
ES PCB-202	39.04		1.0635	1.0631	-0.9	5.42E+07	0.85	1.19	66.2 %	10%	145%
ES PCB-205	47.33		1.0093	1.0093	0	2.72E+07	0.90	1.23	81 %	10%	145%
ES PCB-206	49.04		1.0458	1.0457	-0.3	1.98E+07	0.81	0.89	81.6 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.68		0.9528	0.9527	-0.3	3.46E+07	0.79	1.26	101 %	10%	145%
ES PCB-209	50.82		1.0840	1.0837	-0.9	1.82E+07	1.18	0.98	68 %	10%	145%
SS PCB-28	22.46		0.9324	0.9335	+1.5	1.57E+07	1.05	1.04	83.1 %	5%	145%
SS PCB-111	32.15		1.0771	1.0754	-3.3	4.75E+07	1.53	0.98	83.6 %	10%	145%
SS PCB-178	37.08		1.0099	1.0098	-0.2	4.28E+07	0.96	0.71	96.6 %	10%	145%
CS PCB-28	22.46		0.9324	0.9335	+1.5	1.57E+07	1.05	1.44	29.6 %	5%	145%
CS PCB-111	32.15		1.0771	1.0754	-3.3	4.75E+07	1.53	1.24	80.5 %	10%	145%
CS PCB-178	37.08		1.0099	1.0098	-0.2	4.28E+07	0.96	0.96	64.9 %	10%	145%
JS PCB-9	16.00					3.51E+07	1.55				
JS PCB-52	24.06					3.67E+07	0.84				
JS PCB-101	29.90					4.75E+07	1.56				
JS PCB-138	36.72					6.86E+07	1.26				
JS PCB-194	46.90					2.73E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
Mono-CB						3,500,000	3,500,000	307			
Di-CB						341,000	341,000	150			
Tri-CB						44,100	44,100	44.3			
Tetra-CB						8,890	9,000	16.9			
Penta-CB						5,430	11,300	9.11			
Hexa-CB						5,420	5,490	4.71			
Hepta-CB						986	1,300	4.54			
Octa-CB						211	237	3.72			
Nona-CB						0	22.2	8.28			

Lab ID: B9847_21458_PCB_005

ACQ: 08-Oct-2024 11:10:52 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill off

UTP: 11-Oct-2024 12:38:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 442-377-SYS/C

Datafile: 241007B19

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.54	E	1.0012	1.0011	-0.1	1.95E+09	3.05	1.01	762,000	3.59E+04	384
PCB-2 3-MoCB	13.62	E	0.9879	0.9879	0	5.81E+09	3.04	1.02	1,600,000	3.59E+04	228
PCB-3 4-MoCB	13.79	E	1.0010	1.0004	-0.5	4.11E+09	3.12	1.01	1,140,000	3.59E+04	229
PCB-4 22'-DiCB	14.10		1.0012	1.0012	0	1.31E+07	1.60	0.98	7,320	1.07E+04	76.4
PCB-10 26-DiCB	14.24		1.0136	1.0113	-2.0	6.34E+06	1.64	1.39	2,500	1.07E+04	54.1
PCB-9 25-DiCB	16.02		1.0010	1.0010	0	5.91E+07	1.52	0.90	19,800	2.65E+04	240
PCB-7 24-DiCB	16.17		1.0112	1.0104	-0.8	5.18E+07	1.55	0.83	18,900	2.65E+04	261
PCB-6 23'-DiCB	16.41		1.0259	1.0257	-0.2	1.57E+08	1.55	0.96	48,800	2.65E+04	223
PCB-5 23-DiCB	16.75		1.0445	1.0464	+1.9	2.28E+07	1.57	0.79	8,670	2.65E+04	273
PCB-8 24'-DiCB	16.86		1.0520	1.0538	+1.8	5.62E+07	1.53	1.04	16,300	2.65E+04	208
PCB-14 35-DiCB	18.40		0.9307	0.9321	+1.5	7.62E+07	1.51	0.81	28,100	2.65E+04	265
PCB-11 33'-DiCB	19.17		0.9711	0.9712	+0.1	1.94E+08	1.53	0.90	65,000	2.65E+04	240
PCB-13/12 34'/34-DiCB	19.45	C	0.9858	0.9852	-0.7	3.19E+08	1.52	0.82	117,000	2.65E+04	263
PCB-15 44'-DiCB	19.74		1.0007	0.9996	-1.3	2.68E+07	1.51	0.97	8,340	2.65E+04	223
PCB-19 22'6-TrCB	17.14		1.0011	1.0011	0	1.55E+06	0.96	1.03	594	5.85E+03	42.5
PCB-30/18 246/22'5-TrCB	18.89	C	1.1030	1.1036	+0.7	1.35E+07	1.07	1.48	3,640	5.85E+03	29.8
PCB-17 22'4-TrCB	19.27		1.1270	1.1256	-1.6	7.00E+06	1.06	1.03	2,710	5.85E+03	42.9
PCB-27 23'6-TrCB	19.45		1.1387	1.1364	-2.7	2.63E+06	1.06	1.42	737	5.85E+03	31
PCB-24 236-TrCB	19.62		1.1462	1.1464	+0.2	2.53E+06	1.01	1.43	703	5.85E+03	30.8
PCB-16 22'3-TrCB	19.71		1.1524	1.1514	-1.2	2.14E+06	0.98	1.03	829	5.85E+03	42.9
PCB-32 24'6-TrCB	20.20	B	1.1803	1.1802	-0.1	2.38E+06	1.06	1.59	594	5.85E+03	27.6
PCB-34 23'5'-TrCB	21.29		0.8163	0.8196	+4.2	4.37E+06	1.11	0.95	1,010	2.05E+04	49.9
PCB-23 235-TrCB	21.44		0.8218	0.8254	+4.6	1.63E+06	1.05	0.97	367	2.05E+04	48.8
PCB-26/29 23'5/245-TrCB	21.74	C	0.8330	0.8369	+5.1	1.53E+07	0.99	0.96	3,490	2.05E+04	49.4
PCB-25 23'4-TrCB	21.94		0.8409	0.8445	+4.7	1.20E+07	1.00	1.19	2,210	2.05E+04	40
PCB-31 24'5-TrCB	22.21		0.8517	0.8550	+4.4	1.86E+07	1.03	1.16	3,530	2.05E+04	41.1
PCB-28/20 244'/233'-TrCB	22.48	C	0.8626	0.8656	+4.0	1.94E+07	1.02	1.06	4,040	2.05E+04	45
PCB-21/33 234/23'4'-TrCB	22.67	C	0.8696	0.8727	+4.2	1.92E+07	1.02	1.04	4,060	2.05E+04	45.8
PCB-22 234'-TrCB	23.06		0.8845	0.8877	+4.4	5.34E+06	0.95	1.11	1,050	2.05E+04	42.7
PCB-36 33'5-TrCB	24.40		0.9378	0.9392	+2.0	8.86E+06	1.00	1.15	1,690	2.05E+04	41.3
PCB-39 34'5-TrCB	24.72		0.9504	0.9516	+1.8	5.01E+06	1.02	1.02	1,080	2.05E+04	46.5
PCB-38 345-TrCB	25.22		0.9706	0.9711	+0.8	2.60E+07	1.01	1.05	5,440	2.05E+04	45.1
PCB-35 33'4-TrCB	25.63		0.9865	0.9867	+0.3	2.33E+07	1.02	0.99	5,170	2.05E+04	48
PCB-37 344'-TrCB	25.99		1.0007	1.0006	-0.2	5.31E+06	0.97	1.03	1,130	2.05E+04	46
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	4.28E+03	55.2
PCB-50/53 22'46/22'56'-TeCB	21.96	B C	0.9120	0.9129	+1.2	1.99E+06	0.83	0.93	177	4.56E+03	4.35
PCB-45 22'36-TeCB	22.56		0.9369	0.9378	+1.2	1.98E+06	0.79	0.78	208	4.56E+03	5.14
PCB-51 22'46'-TeCB	22.63	B	0.9395	0.9407	+1.6	5.40E+05	0.73	0.94	47.4	4.56E+03	4.3
PCB-46 22'36'-TeCB	22.83	B	0.9488	0.9489	+0.1	4.14E+05	0.81	0.74	45.9	4.56E+03	5.41
PCB-52 22'55'-TeCB	24.08	B	1.0010	1.0009	-0.1	2.23E+07	0.78	1.02	1,800	4.56E+03	3.93
PCB-73 23'5'6-TeCB	24.21	J	1.0061	1.0062	+0.1	2.60E+05	0.82	1.27	16.8	4.56E+03	3.16

Lab ID: B9847_21458_PCB_005

ACQ: 08-Oct-2024 11:10:52 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill off

UTP: 11-Oct-2024 12:38:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 442-377-SYS/C

Datafile: 241007B19

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.28		1.0100	1.0092	-1.2	8.24E+05	0.75	0.91	74.8	4.56E+03	4.44
PCB-69/49 23'46/22'45'-TeCB	24.50	B C	1.0181	1.0183	+0.3	8.38E+06	0.79	1.06	650	4.56E+03	3.79
PCB-48 22'45'-TeCB	24.73		1.0299	1.0282	-2.5	2.84E+06	0.78	0.89	263	4.56E+03	4.54
PCB-44/47/65 ...-TeCB	24.95	B C	1.0391	1.0371	-3.0	1.85E+07	0.80	1.02	1,500	4.56E+03	3.95
PCB-59/62/75 ...-TeCB	25.22	C	1.0505	1.0485	-3.0	2.17E+06	0.82	1.17	153	4.56E+03	3.45
PCB-42 22'34'-TeCB	25.40	B	1.0580	1.0560	-3.0	2.31E+06	0.76	0.80	238	4.56E+03	5.03
PCB-41 22'34'-TeCB	25.72		1.0720	1.0693	-4.2	1.12E+06	0.77	0.71	129	4.56E+03	5.65
PCB-71/40 23'4'6/22'33'-TeCB	25.82	C	1.0761	1.0732	-4.5	6.32E+06	0.79	0.98	532	4.56E+03	4.11
PCB-64 234'6'-TeCB	26.02	B	1.0844	1.0818	-4.1	2.32E+06	0.81	1.20	159	4.56E+03	3.36
PCB-72 23'55'-TeCB	26.73		0.8391	0.8432	+6.6	1.24E+06	0.77	1.06	96.6	1.22E+04	10.2
PCB-68 23'45'-TeCB	26.97	B EMPC	0.8471	0.8507	+5.8	1.41E+06	0.90	0.98	118	1.22E+04	11
PCB-57 233'5'-TeCB	ND		0.8589					1.01	ND	1.22E+04	10.6
PCB-58 233'5'-TeCB	27.34		0.8655	0.8622	-5.4	8.18E+05	0.87	1.12	60.2	1.22E+04	9.63
PCB-67 23'45'-TeCB	27.54		0.8702	0.8687	-2.5	5.66E+05	0.79	1.18	39.6	1.22E+04	9.13
PCB-63 234'5'-TeCB	27.68		0.8775	0.8730	-7.5	1.41E+06	0.74	0.91	127	1.22E+04	11.8
PCB-61/70/74/76 ...-TeCB	28.20	B C	0.8867	0.8894	+4.6	1.71E+07	0.75	1.05	1,340	1.22E+04	10.3
PCB-66 23'44'-TeCB	28.47	B	0.8958	0.8980	+3.8	7.18E+06	0.80	1.04	566	1.22E+04	10.3
PCB-55 233'4'-TeCB	28.61		0.9006	0.9026	+3.4	6.42E+05	0.79	1.10	48	1.22E+04	9.77
PCB-56 233'4'-TeCB	29.05	B	0.9145	0.9162	+3.0	2.14E+06	0.79	1.02	171	1.22E+04	10.5
PCB-60 2344'-TeCB	29.24	B	0.9206	0.9223	+3.0	1.26E+06	0.77	0.88	118	1.22E+04	12.2
PCB-80 33'55'-TeCB	29.55		0.9306	0.9320	+2.5	3.91E+05	0.71	1.02	31.7	1.22E+04	10.6
PCB-79 33'45'-TeCB	30.87		0.9730	0.9736	+1.1	1.37E+06	0.70	1.15	98.1	1.22E+04	9.33
PCB-78 33'45'-TeCB	31.34		0.9884	0.9886	+0.4	5.62E+05	0.70	0.92	50.1	1.22E+04	11.7
PCB-104 22'466'-PeCB	24.92	J EMPC	1.0009	1.0019	+1.5	2.80E+04	0.28	1.00	4.68	2.26E+03	4.08
PCB-96 22'366'-PeCB	25.22		1.0146	1.0141	-0.8	1.77E+05	0.68	0.97	30.5	2.26E+03	4.22
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	1.52E+04	14.4
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	1.52E+04	17.1
PCB-95 22'35'6'-PeCB	ND		0.9159					0.72	ND	1.52E+04	15.1
PCB-100/93 22'44'6/22'356'-PeCB	27.45	EMPC C	0.9223	0.9179	-7.2	1.14E+07	0.78	0.72	1,100	1.52E+04	15.2
PCB-102 22'456'-PeCB	27.60	B EMPC	0.9261	0.9230	-5.1	3.85E+05	4.18	0.84	31.7	1.52E+04	13
PCB-98 22'34'6'-PeCB	27.75	EMPC	0.9284	0.9282	-0.3	4.66E+05	1.05	0.84	38.3	1.52E+04	13
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	1.52E+04	15.9
PCB-91 22'34'6'-PeCB	28.18	B	0.9411	0.9423	+2.0	1.55E+06	0.61	0.73	147	1.52E+04	14.9
PCB-84 22'33'6'-PeCB	28.37	B EMPC	0.9479	0.9489	+1.7	2.96E+06	0.92	0.61	335	1.52E+04	17.9
PCB-89 22'346'-PeCB	ND		0.9617					0.73	ND	1.52E+04	15
PCB-121 23'45'6'-PeCB	29.11	J EMPC	0.9725	0.9737	+2.1	2.63E+05	0.46	1.10	16.6	1.52E+04	9.95
PCB-92 22'355'-PeCB	29.43	B	0.9838	0.9842	+0.7	3.43E+06	0.60	0.68	350	1.52E+04	16.1
PCB-113/90/101 ...-PeCB	29.92	C	1.0000	1.0006	+1.1	2.89E+07	0.56	0.81	2,470	1.52E+04	13.5
PCB-83 22'33'5'-PeCB	30.29	EMPC	1.0148	1.0131	-3.1	5.30E+06	0.49	0.54	677	1.52E+04	20.2
PCB-99 22'44'5'-PeCB	30.39	EMPC	1.0176	1.0163	-2.4	1.96E+07	0.45	0.99	1,370	1.52E+04	11
PCB-112 233'56'-PeCB	ND		1.0213					1.14	ND	1.52E+04	9.6

Lab ID: B9847_21458_PCB_005

ACQ: 08-Oct-2024 11:10:52 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill off

UTP: 11-Oct-2024 12:38:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 442-377-SYS/C

Datafile: 241007B19

RPT: 11-Oct-2024 12:55 JJ

Stds (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.90	EMPC C	1.0330	1.0334	+0.7	2.90E+07	0.45	0.88	2,290	1.52E+04	12.5
PCB-117 234'56-PeCB	31.38	B	1.0509	1.0494	-2.8	5.24E+05	0.54	0.85	42.5	1.52E+04	12.8
PCB-116/85 23456/22'344'-PeCB	31.46	B C	1.0538	1.0523	-2.8	1.89E+06	0.60	0.84	155	1.52E+04	13
PCB-110 233'4'6-PeCB	31.60	B	1.0582	1.0568	-2.7	1.74E+07	0.58	1.09	1,100	1.52E+04	9.99
PCB-115 2344'6-PeCB	31.69	J EMPC	1.0605	1.0598	-1.3	1.92E+05	0.48	1.03	12.9	1.52E+04	10.6
PCB-82 22'33'4-PeCB	31.88	B	1.0679	1.0661	-3.4	1.29E+06	0.54	0.69	130	1.52E+04	15.8
PCB-111 233'55'-PeCB	32.18		1.0779	1.0763	-3.1	3.01E+05	0.61	0.95	21.9	1.52E+04	11.5
PCB-120 23'455'-PeCB	32.57		1.0913	1.0893	-3.9	3.55E+05	0.62	1.15	21.4	1.52E+04	9.52
PCB-108/124 ...-PeCB	33.54	C	0.9915	0.9916	+0.2	7.97E+05	0.57	0.91	60.4	1.52E+04	12
PCB-107 233'4'5-PeCB	33.74		0.9976	0.9978	+0.4	1.03E+06	0.57	1.00	71.5	1.52E+04	10.9
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	1.52E+04	11.5
PCB-122 233'4'5'-PeCB	34.42	J EMPC	1.0095	1.0094	-0.2	1.60E+05	0.49	0.76	13.9	1.52E+04	13.2
PCB-127 33'455'-PeCB	36.36	J	1.0357	1.0355	-0.4	1.05E+05	0.59	0.96	7.49	1.52E+04	11.3
PCB-155 22'44'66'-HxCB	29.70	J EMPC	1.0007	1.0004	-0.5	3.90E+04	0.93	0.95	3.68	2.80E+03	2.62
PCB-152 22'3566'-HxCB	29.90	J	1.0072	1.0069	-0.5	5.05E+04	1.30	0.98	4.63	2.80E+03	2.55
PCB-150 22'34'66'-HxCB	30.04	J EMPC	1.0118	1.0116	-0.4	5.71E+04	2.37	0.84	6.1	2.80E+03	2.96
PCB-136 22'33'66'-HxCB	30.36		1.0228	1.0224	-0.7	3.34E+06	1.27	0.79	378	2.80E+03	3.15
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	2.80E+03	2.74
PCB-148 22'34'56'-HxCB	31.84	J EMPC	1.0741	1.0722	-3.6	6.41E+04	1.50	0.91	4.91	2.80E+03	2.22
PCB-151/135 ...-HxCB	32.37	B C	1.0925	1.0901	-4.7	7.60E+06	1.26	0.89	599	2.80E+03	2.28
PCB-154 22'44'56'-HxCB	32.56		1.0987	1.0966	-4.1	3.04E+05	1.11	0.95	22.3	2.80E+03	2.12
PCB-144 22'345'6-HxCB	32.84		1.1082	1.1059	-4.5	1.21E+06	1.20	0.87	96.9	2.80E+03	2.32
PCB-147/149 ...-HxCB	33.14	B C	1.1186	1.1160	-5.2	1.52E+07	1.19	0.96	1,110	2.80E+03	2.12
PCB-134 22'33'56-HxCB	33.32		1.1248	1.1221	-5.4	6.80E+05	1.19	0.71	66.8	2.80E+03	2.84
PCB-143 22'3456'-HxCB	33.41	J EMPC	1.1273	1.1253	-4.0	5.66E+04	1.51	0.85	4.66	2.80E+03	2.38
PCB-139/140 ...-HxCB	33.64	J B EMPC C	1.1359	1.1331	-5.7	2.65E+05	1.66	0.93	20.1	2.80E+03	2.19
PCB-131 22'33'46-HxCB	33.82	J EMPC	1.1421	1.1390	-6.3	1.94E+05	1.03	0.80	16.9	2.80E+03	2.52
PCB-142 22'3456-HxCB	33.97	J EMPC	1.1468	1.1441	-5.5	1.93E+04	1.88	0.78	1.73	2.80E+03	2.59
PCB-132 22'33'46'-HxCB	34.22	B	1.1554	1.1524	-6.2	3.53E+06	1.17	0.81	306	2.80E+03	2.51
PCB-133 22'33'55'-HxCB	34.60		1.1687	1.1653	-7.1	2.87E+05	1.21	0.90	22.3	2.80E+03	2.25
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	2.80E+03	2.03
PCB-146 22'34'55'-HxCB	35.15	B	0.9569	0.9573	+0.8	2.23E+06	1.23	1.00	157	2.80E+03	2.03
PCB-161 233'45'6-HxCB	35.29	J EMPC	0.9601	0.9609	+1.7	6.01E+04	0.95	1.19	3.55	2.80E+03	1.71
PCB-153/168 ...-HxCB	35.67	C	0.9717	0.9714	-0.6	1.55E+07	1.25	1.09	1,000	2.80E+03	1.87
PCB-141 22'3455'-HxCB	35.84		0.9761	0.9760	-0.2	4.31E+06	1.19	0.79	383	2.80E+03	2.57
PCB-130 22'33'45'-HxCB	36.20		0.9856	0.9857	+0.2	8.47E+05	1.20	0.67	88.9	2.80E+03	3.04
PCB-137 22'344'5-HxCB	36.35		0.9907	0.9898	-2.0	1.09E+06	1.17	0.71	107	2.80E+03	2.84
PCB-164 233'4'5'6-HxCB	36.47		0.9933	0.9933	0	1.50E+06	1.32	1.18	89.1	2.80E+03	1.72
PCB-163/138/129 ...-HxCB	36.75	B C	1.0011	1.0007	-0.9	9.40E+06	1.36	0.85	777	2.80E+03	2.39
PCB-160 233'456-HxCB	36.89	J	1.0047	1.0045	-0.4	1.36E+05	1.21	1.00	9.58	2.80E+03	2.04
PCB-158 233'44'6-HxCB	37.08	B	1.0097	1.0098	+0.2	1.21E+06	1.28	1.09	78.2	2.80E+03	1.87

Lab ID: B9847_21458_PCB_005

ACQ: 08-Oct-2024 11:10:52 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #1 Mill off

UTP: 11-Oct-2024 12:38:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 442-377-SYS/C

Datafile: 241007B19

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.84	B C	0.9631	0.9639	+1.8	7.20E+05	1.27	0.90	62.7	4.84E+03	4.49
PCB-159 233'455'-HxCB	38.61	J	0.9839	0.9833	-1.4	1.30E+05	1.39	1.13	9	4.84E+03	3.56
PCB-162 233'4'55'-HxCB	38.87	J EMPC	0.9901	0.9900	-0.2	5.92E+04	2.16	0.95	4.89	4.84E+03	4.26
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.56E+03	1.65
PCB-179 22'33'566'-HpCB	34.83	B	1.0095	1.0095	0	1.57E+06	1.12	1.02	97.9	2.56E+03	1.55
PCB-184 22'344'66'-HpCB	35.26	J EMPC	1.0221	1.0219	-0.4	4.24E+04	0.82	0.95	2.84	2.56E+03	1.67
PCB-176 22'33'466'-HpCB	35.58	B EMPC	1.0313	1.0311	-0.4	6.51E+05	1.23	0.86	48.3	2.56E+03	1.85
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	2.56E+03	1.54
PCB-178 22'33'55'6'-HpCB	37.10		1.0758	1.0751	-1.6	8.27E+05	1.09	0.66	79.5	2.56E+03	2.4
PCB-175 22'33'45'6'-HpCB	37.64	J EMPC	1.0915	1.0907	-1.8	9.22E+04	1.22	0.97	8.96	5.22E+03	5.32
PCB-187 22'34'55'6'-HpCB	37.87		1.0982	1.0974	-1.8	3.73E+06	1.01	1.21	291	5.22E+03	4.27
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	5.22E+03	4.41
PCB-183 22'344'5'6'-HpCB	38.39	B EMPC	1.1133	1.1125	-1.8	1.24E+06	1.26	1.00	117	5.22E+03	5.15
PCB-185 22'3455'6'-HpCB	38.48	EMPC	1.1161	1.1152	-2.1	2.64E+05	0.81	0.94	26.5	5.22E+03	5.49
PCB-174 22'33'456'-HpCB	38.60	B	1.1195	1.1186	-2.1	2.13E+06	0.99	1.02	197	5.22E+03	5.07
PCB-177 22'33'45'6'-HpCB	38.98	B	1.1304	1.1296	-1.9	7.64E+05	1.05	0.98	73.5	5.22E+03	5.26
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	5.22E+03	5.01
PCB-171/173 ...-HpCB	39.51	J EMPC C	1.1458	1.1449	-2.1	2.49E+05	1.35	0.88	26.7	5.22E+03	5.86
PCB-172 22'33'455'-HpCB	40.85	EMPC	0.9058	0.9056	-0.5	2.34E+05	0.84	0.86	25.7	5.22E+03	6.02
PCB-192 233'455'6'-HpCB	ND		0.9112					1.22	ND	5.22E+03	4.25
PCB-180/193 ...-HpCB	41.41	B C	0.9175	0.9180	+1.2	2.64E+06	1.05	1.01	247	5.22E+03	5.11
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.05	ND	5.22E+03	4.95
PCB-170 22'33'44'5'-HpCB	42.50	B EMPC	0.9422	0.9420	-0.5	4.33E+05	0.88	0.93	53.2	5.22E+03	6.48
PCB-190 233'44'56-HpCB	42.95	J EMPC	0.9521	0.9520	-0.3	8.85E+04	0.82	1.27	8.01	5.22E+03	4.78
PCB-202 22'33'55'66'-OcCB	39.06		1.0006	1.0005	-0.2	4.56E+05	0.97	0.96	35.2	2.10E+03	1.7
PCB-201 22'33'45'66'-OcCB	39.84		1.0206	1.0205	-0.2	2.20E+05	0.98	0.79	20.5	2.10E+03	2.05
PCB-204 22'344'566'-OcCB	ND		1.0353					0.91	ND	2.10E+03	1.78
PCB-197 22'33'44'66'-OcCB	40.61	J EMPC	1.0403	1.0403	0	3.53E+04	0.54	0.83	3.14	2.10E+03	1.95
PCB-200 22'33'4566'-OcCB	40.72	J B	1.0430	1.0430	0	1.89E+05	0.85	0.81	17.3	2.10E+03	2.01
PCB-198/199 ...-OcCB	43.07	C	1.1028	1.1033	+1.3	6.30E+05	0.88	0.63	73.3	2.10E+03	2.56
PCB-196 22'33'44'56'-OcCB	43.62	B	1.1176	1.1174	-0.5	2.05E+05	0.94	0.54	27.8	2.10E+03	2.98
PCB-203 22'344'55'6'-OcCB	43.79	B	1.1219	1.1219	0	2.59E+05	0.92	0.67	28.6	2.10E+03	2.42
PCB-195 22'33'44'56-OcCB	44.93	J	0.9493	0.9493	0	5.12E+04	0.78	0.91	8.28	3.00E+03	5.83
PCB-194 22'33'44'55'-OcCB	46.91	EMPC	0.9912	0.9911	-0.3	1.32E+05	1.26	0.86	22.6	3.00E+03	6.16
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	3.00E+03	5.75
PCB-208 22'33'455'66'-NoCB	44.71	J EMPC	1.0005	1.0006	+0.3	8.69E+04	0.59	0.96	10.5	4.16E+03	5.35
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.87	ND	4.16E+03	5.89
PCB-206 22'33'44'55'6'-NoCB	49.07	J EMPC	1.0005	1.0006	+0.3	5.36E+04	1.12	0.93	11.7	4.16E+03	11.2
AS PCB-32	20.186	V	1.2602	1.2615	+1.6	1.10E+07	1.04	0.84	37.2 %	50%	150%
AS PCB-97	30.82		1.0318	1.0308	-1.8	3.47E+07	1.57	0.85	85.4 %	50%	150%
AS PCB-159	38.616		1.0518	1.0516	-0.5	6.48E+07	1.25	1.16	81.6 %	50%	150%

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



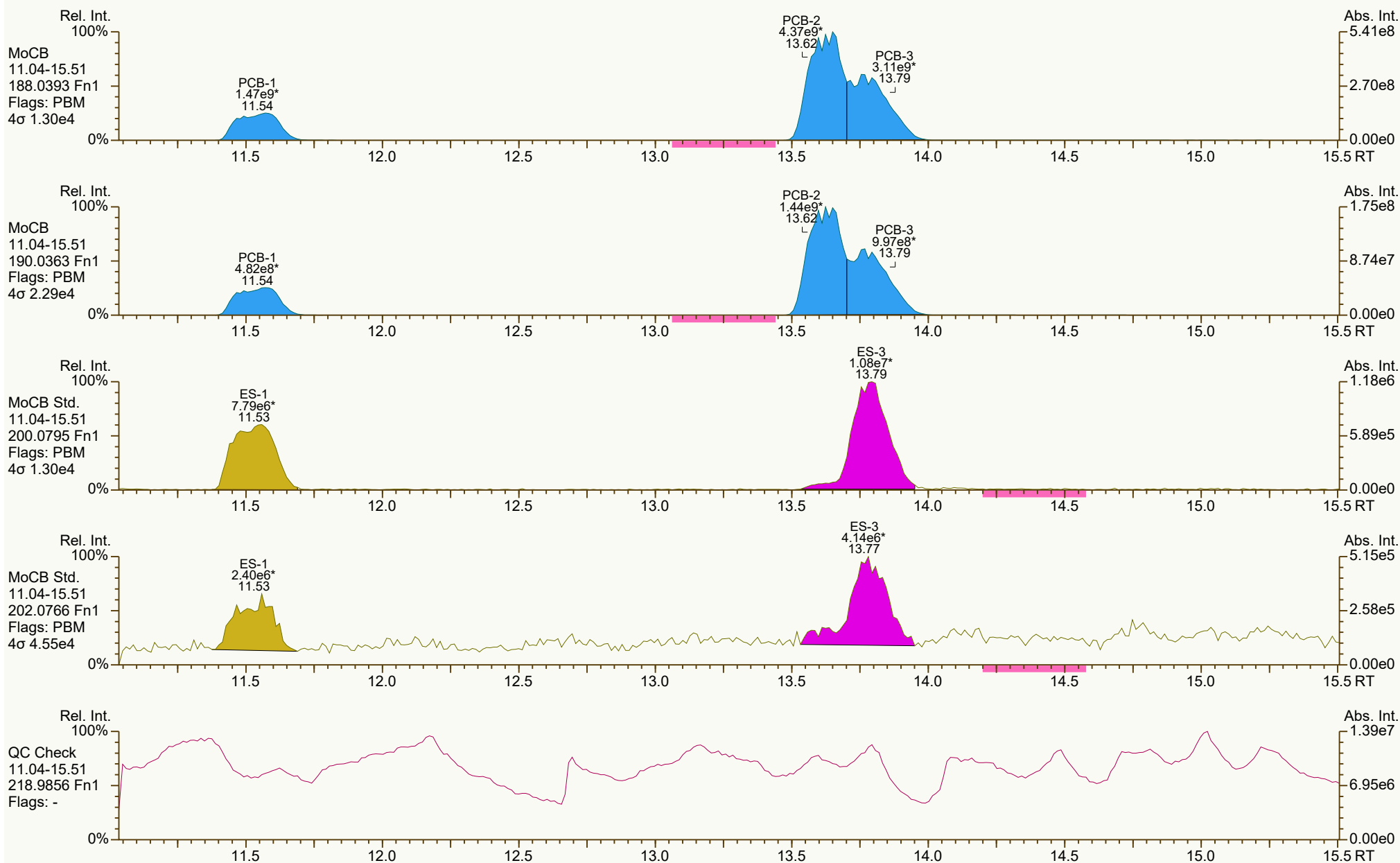
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 442-377

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 13:01 Page 1 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



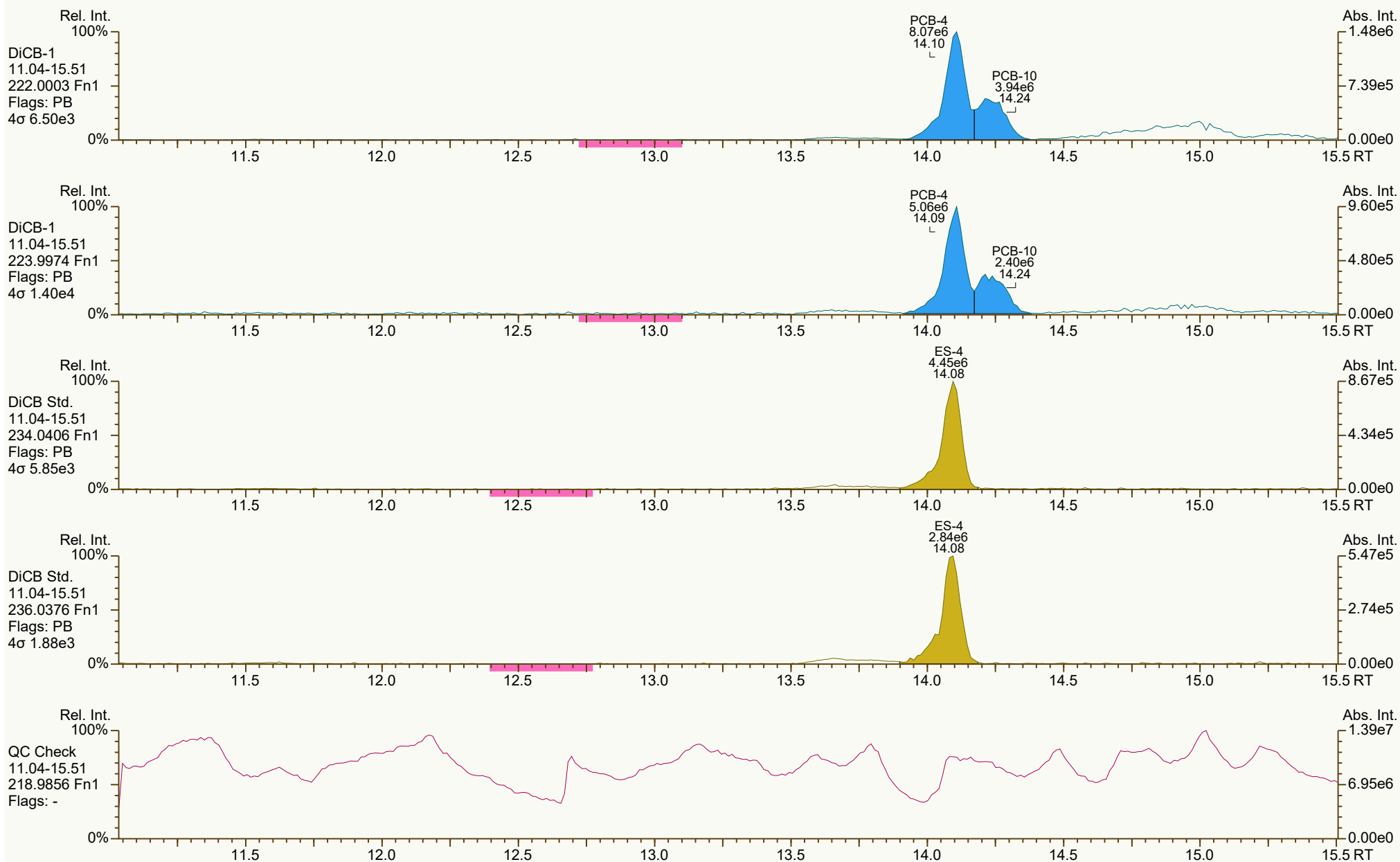
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2292, 1363 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 2 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



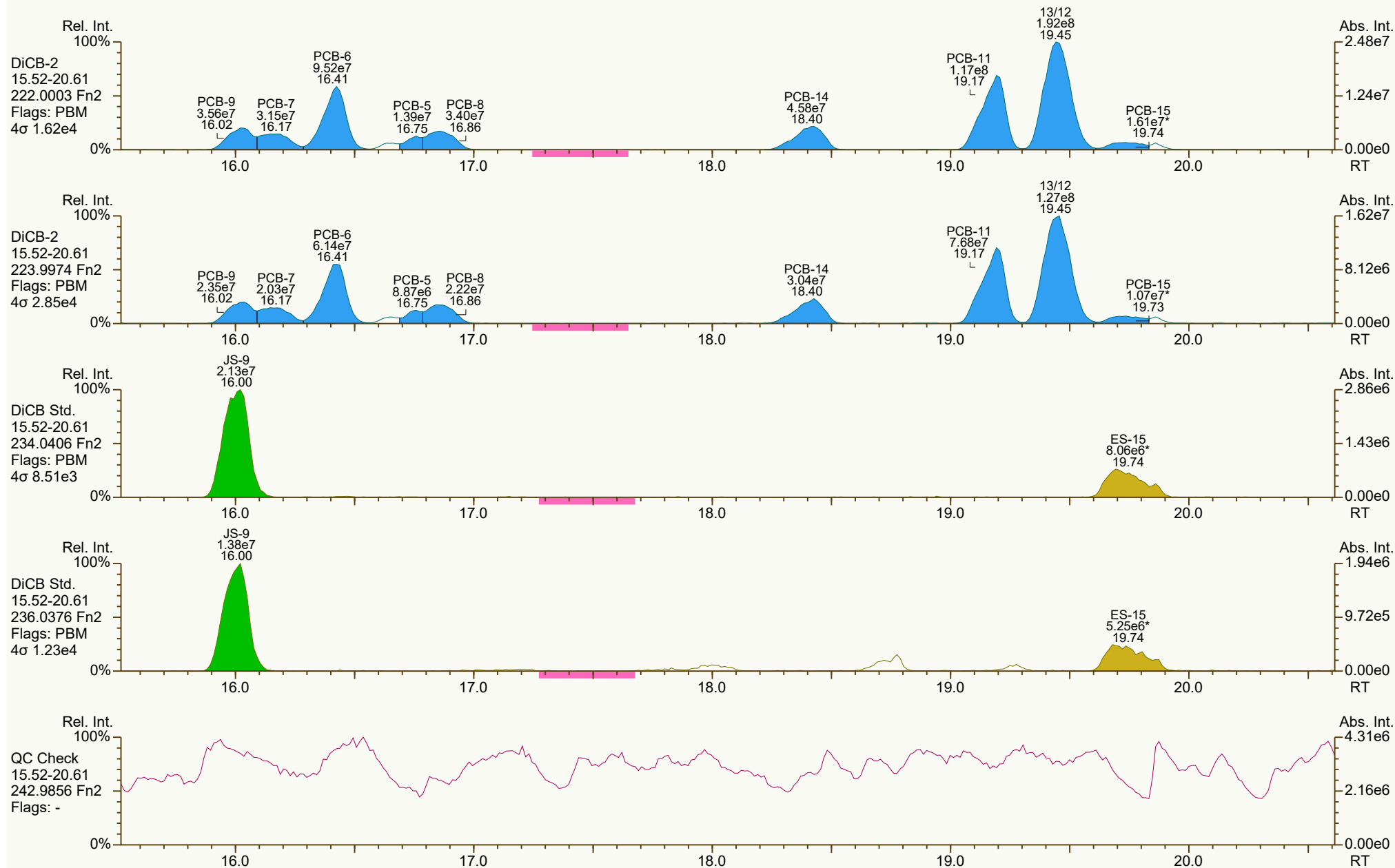
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1803, 3235 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 3 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



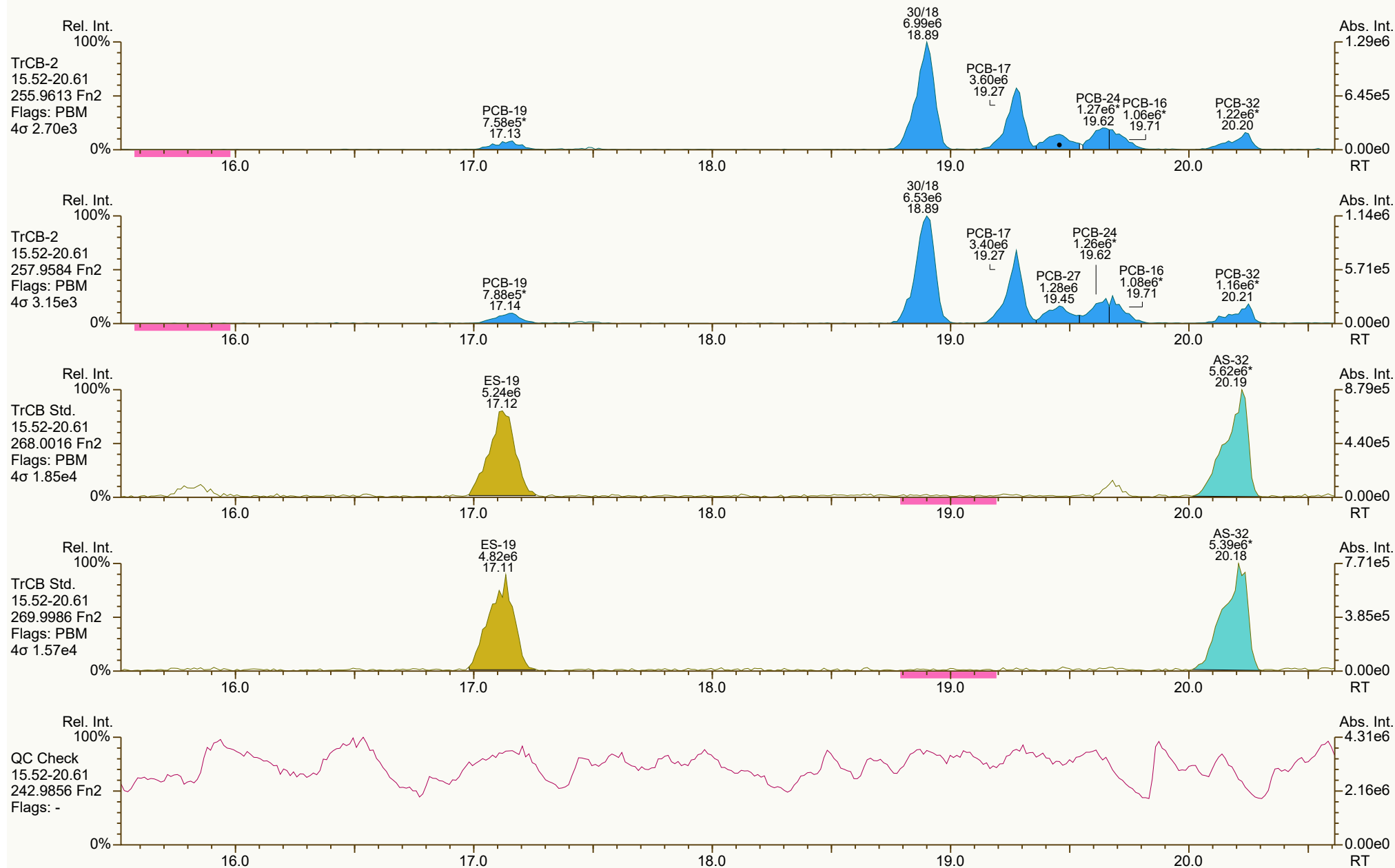
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3774, 5059 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 4 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6969, 6402 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 5 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



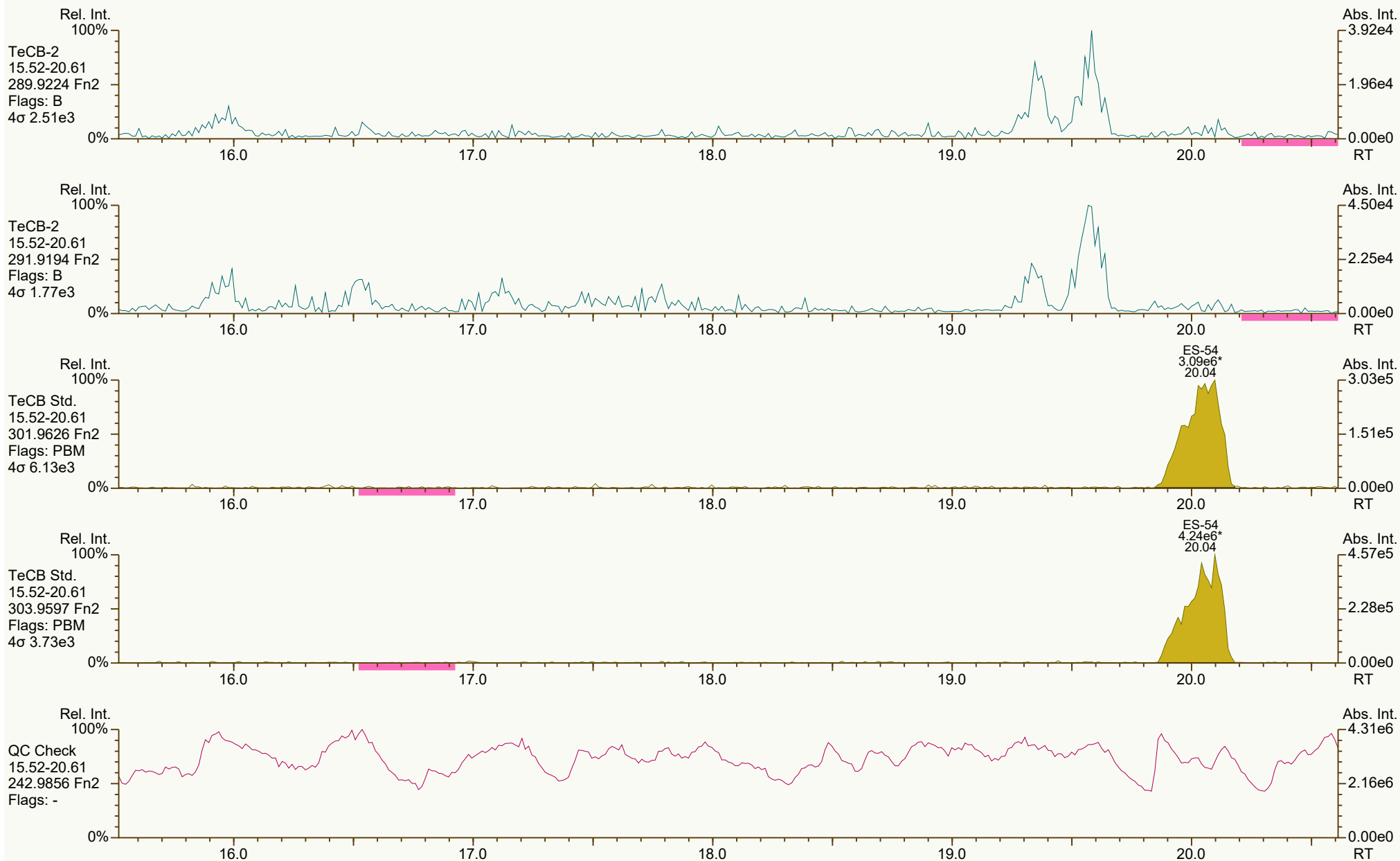
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8091, 2402 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 6 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



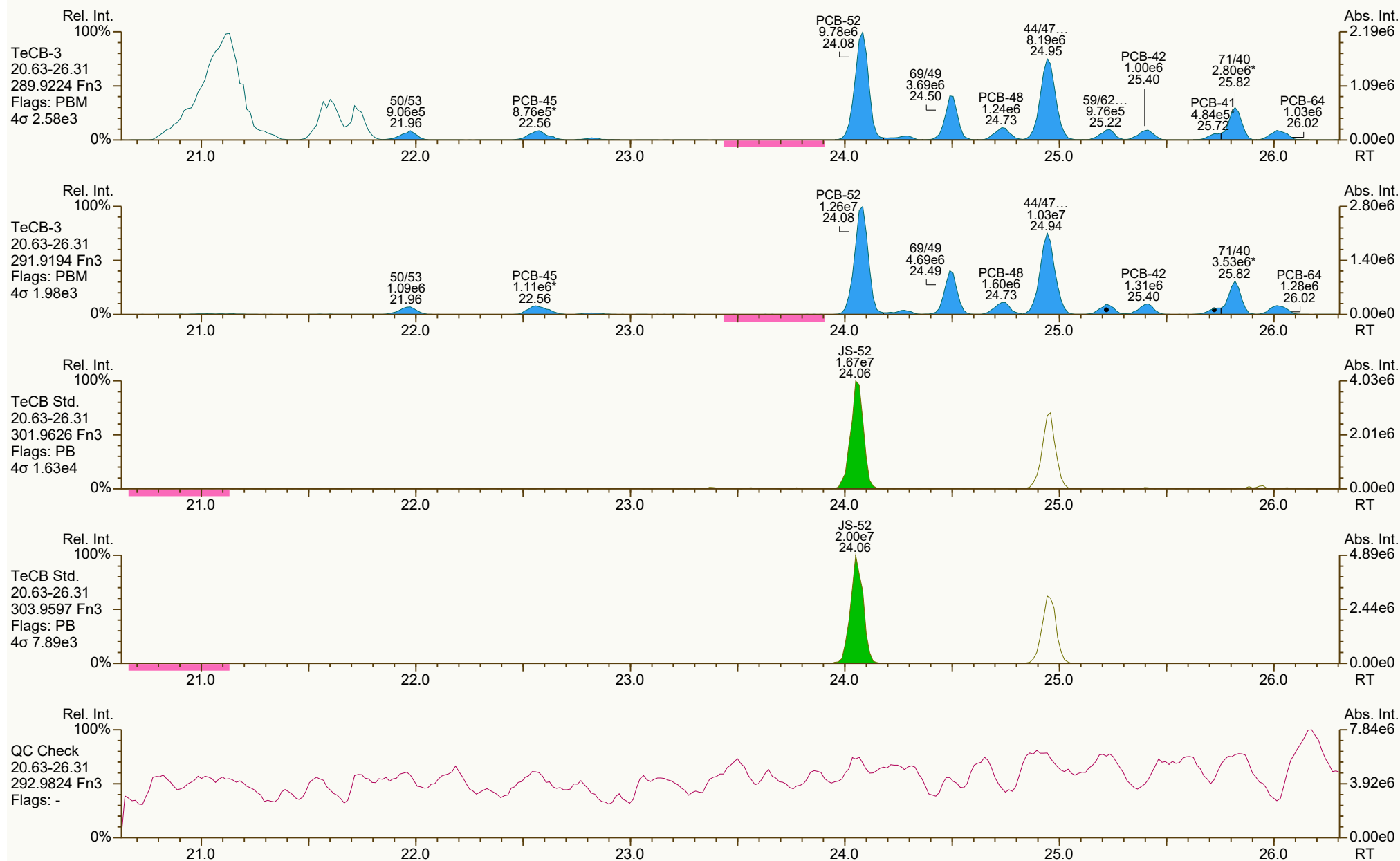
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2269, 0882 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 7 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



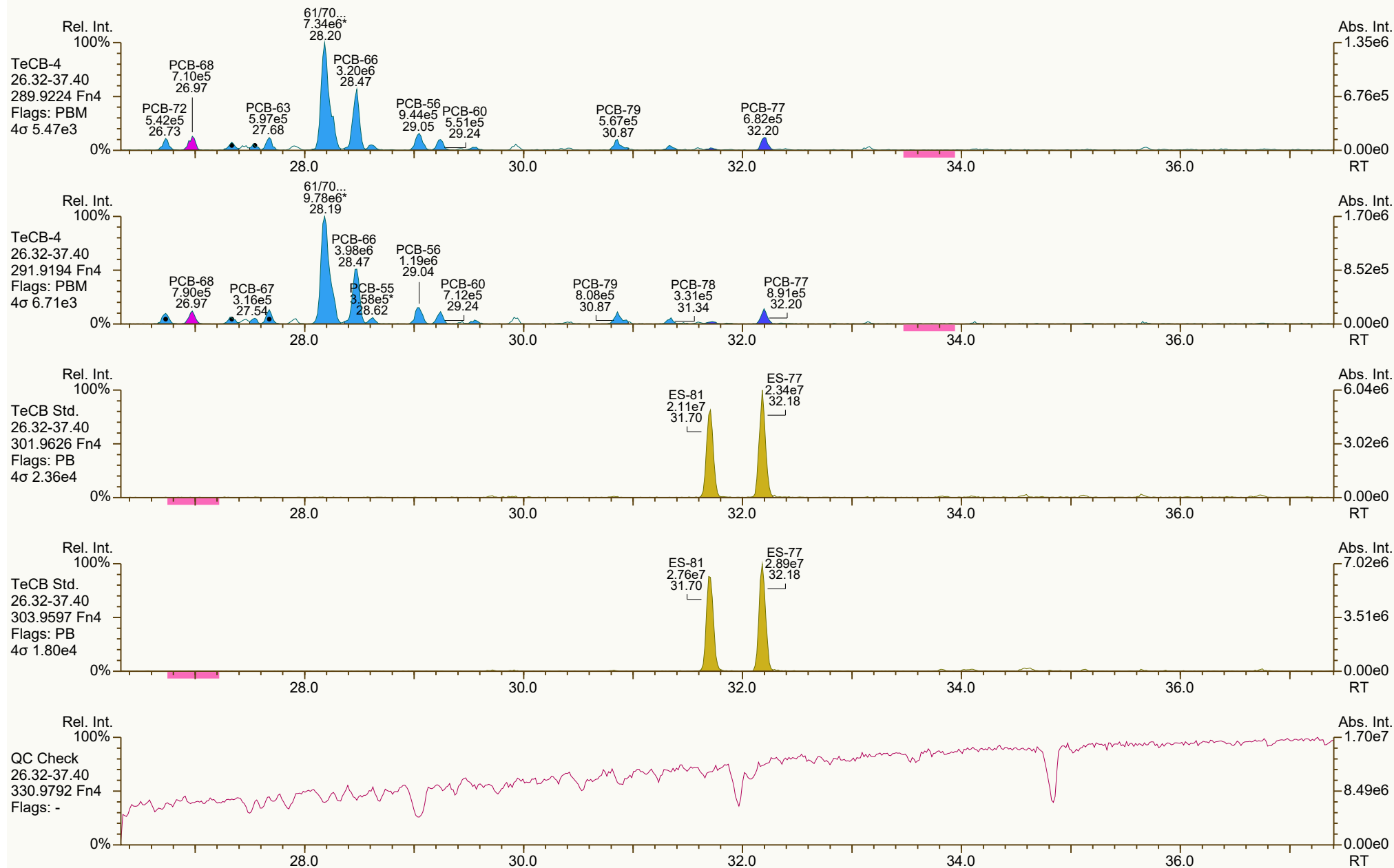
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4175, 5396 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 8 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2370, 2561 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 9 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6037, 5981 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 10 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9415, 1498 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 11 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



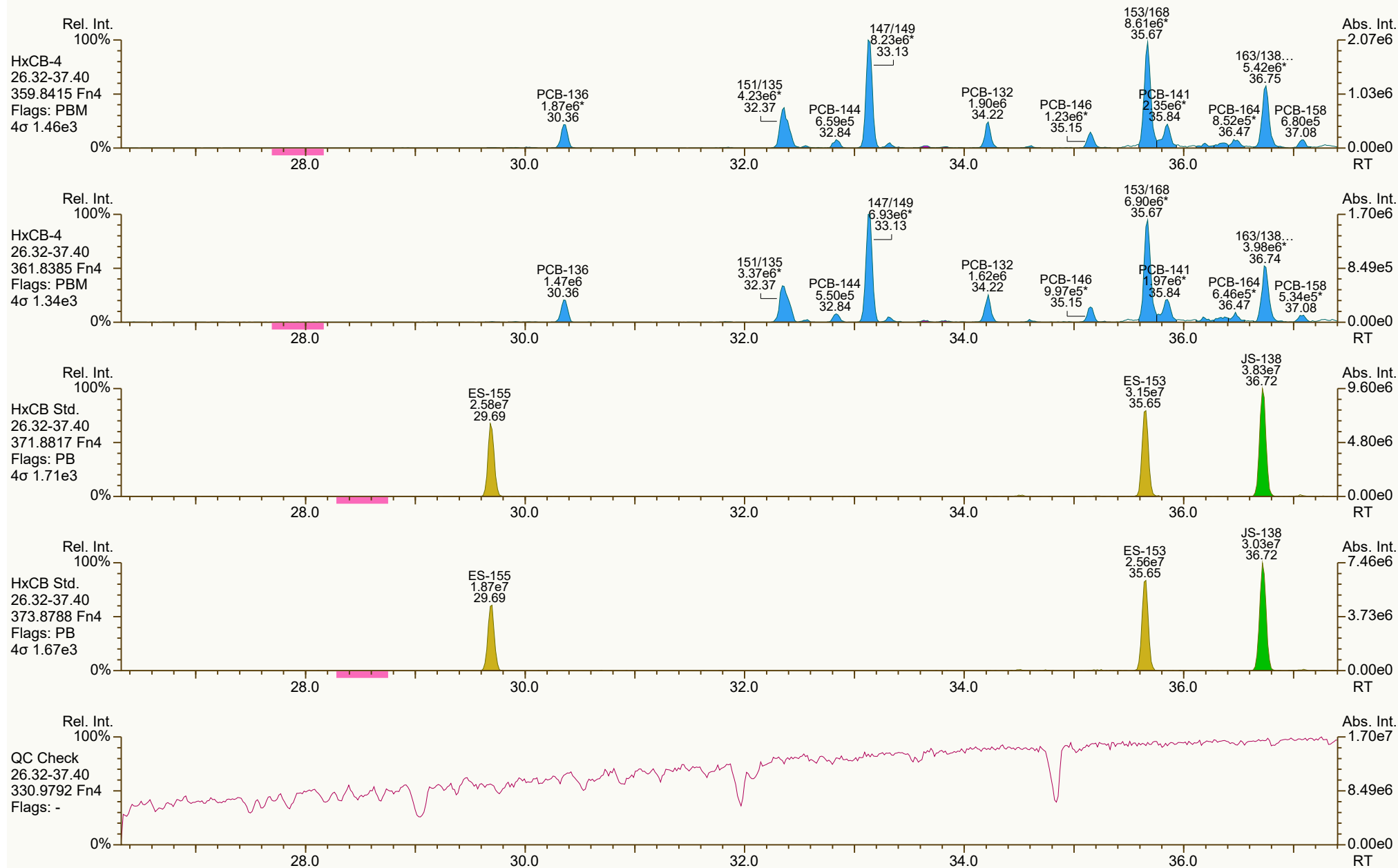
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1482, 8513 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 12 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



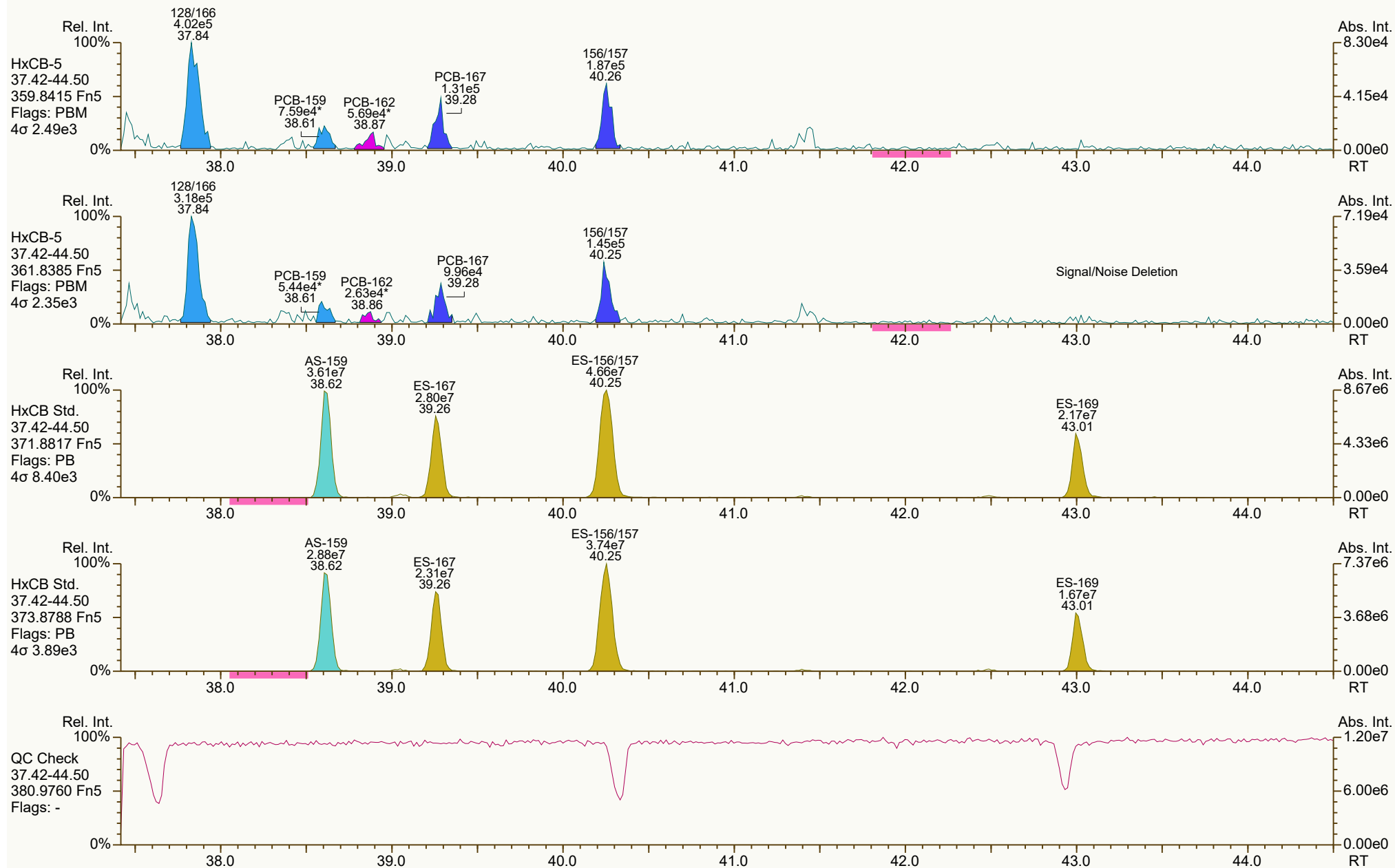
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3700, 1333 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 13 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8969, 2180 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 14 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



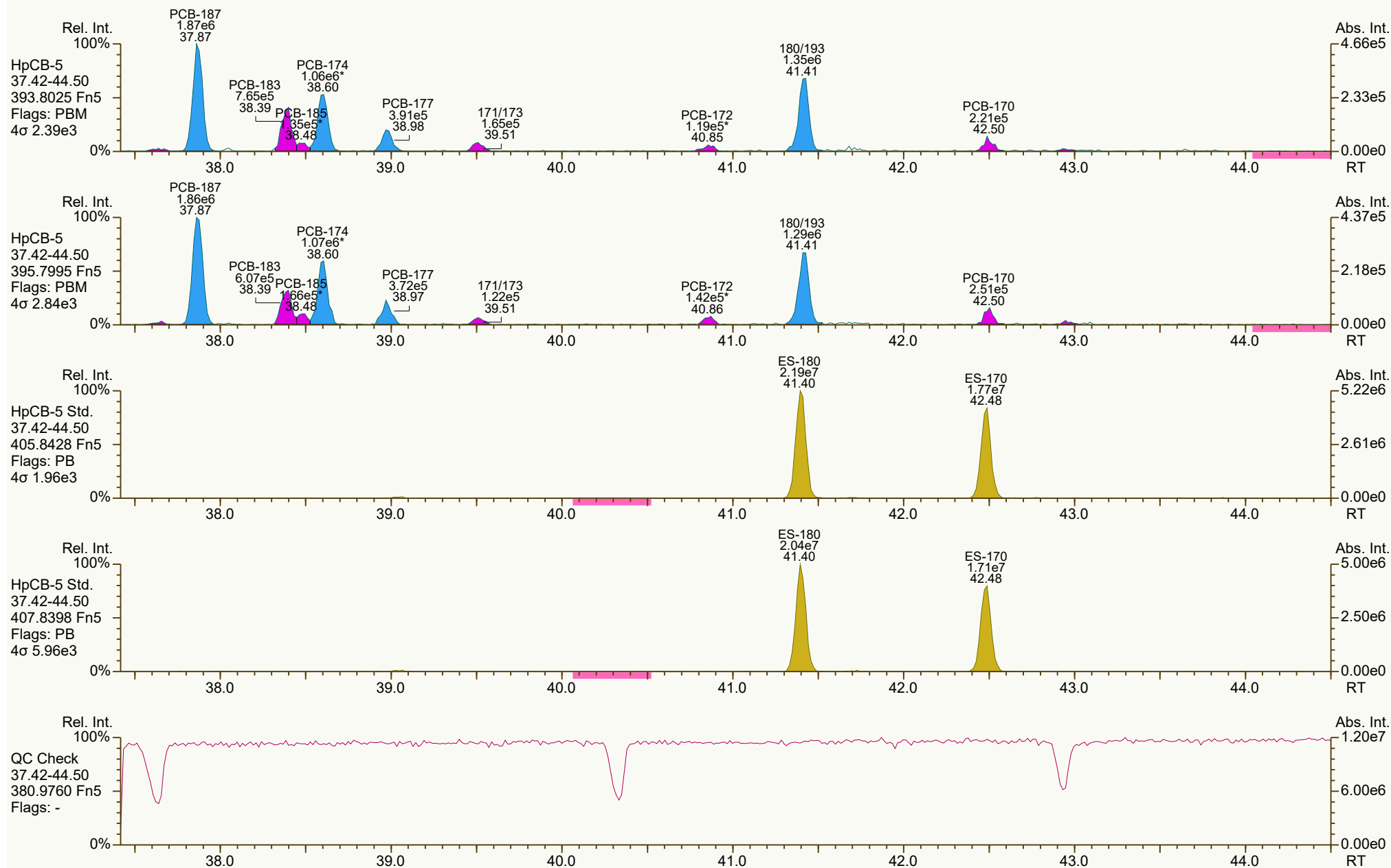
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9135, 6919 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 15 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



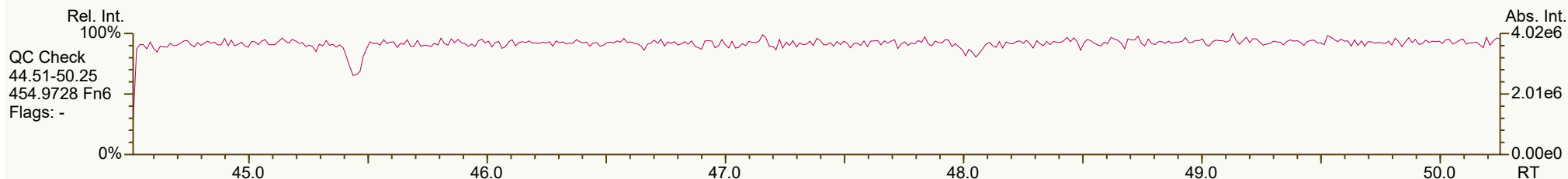
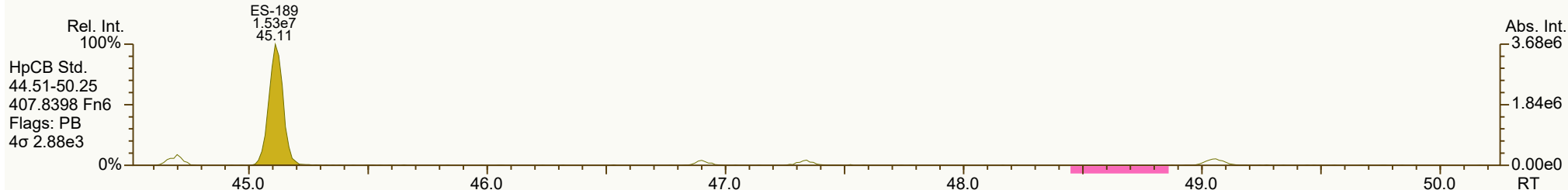
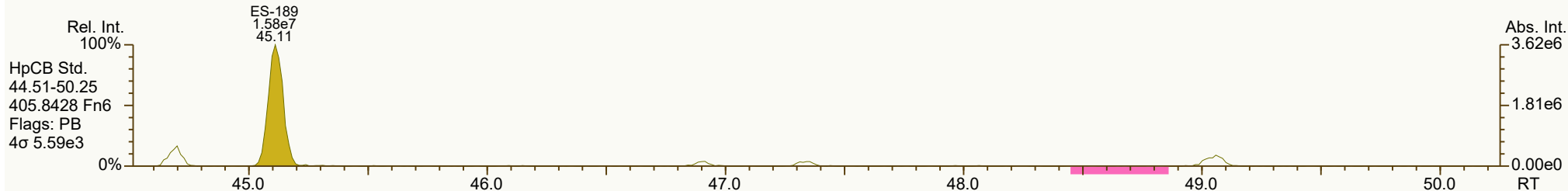
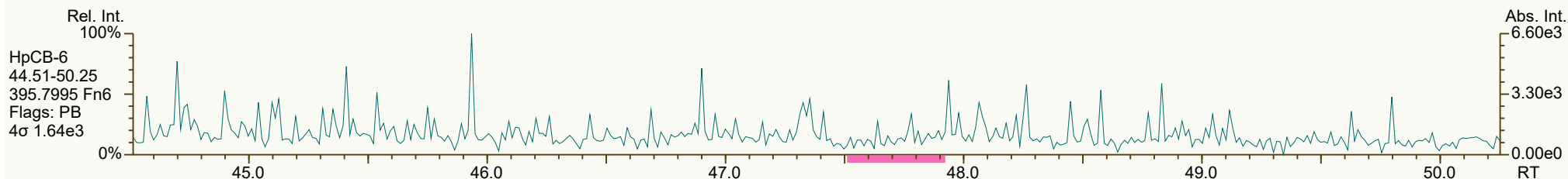
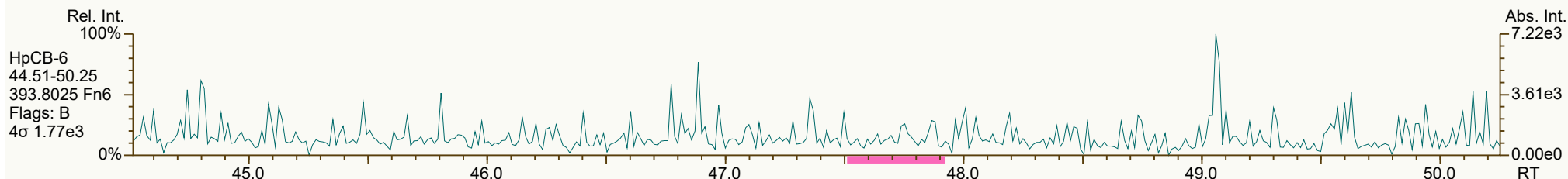
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4661, 1145 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 16 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



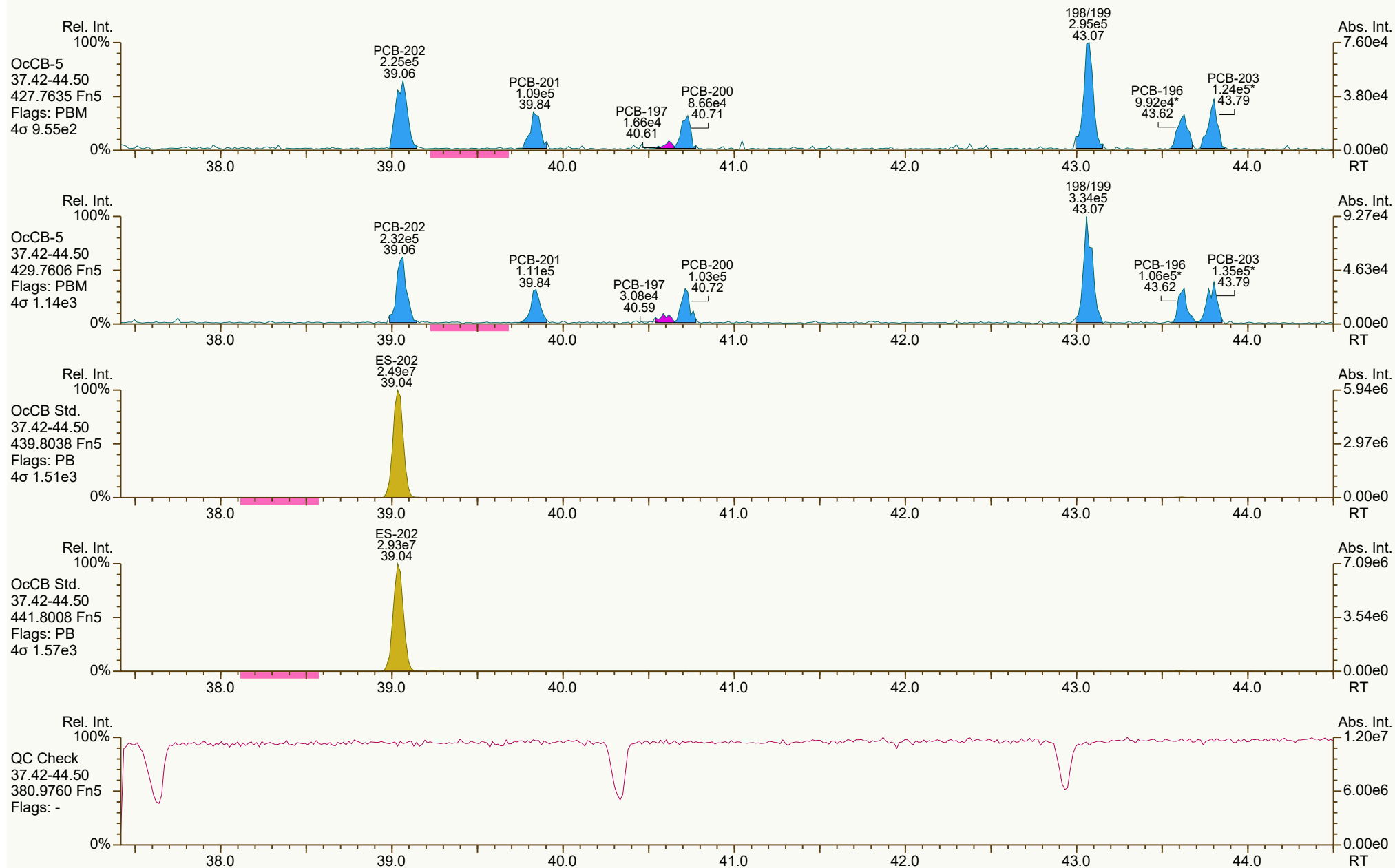
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8314, 4021 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 17 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



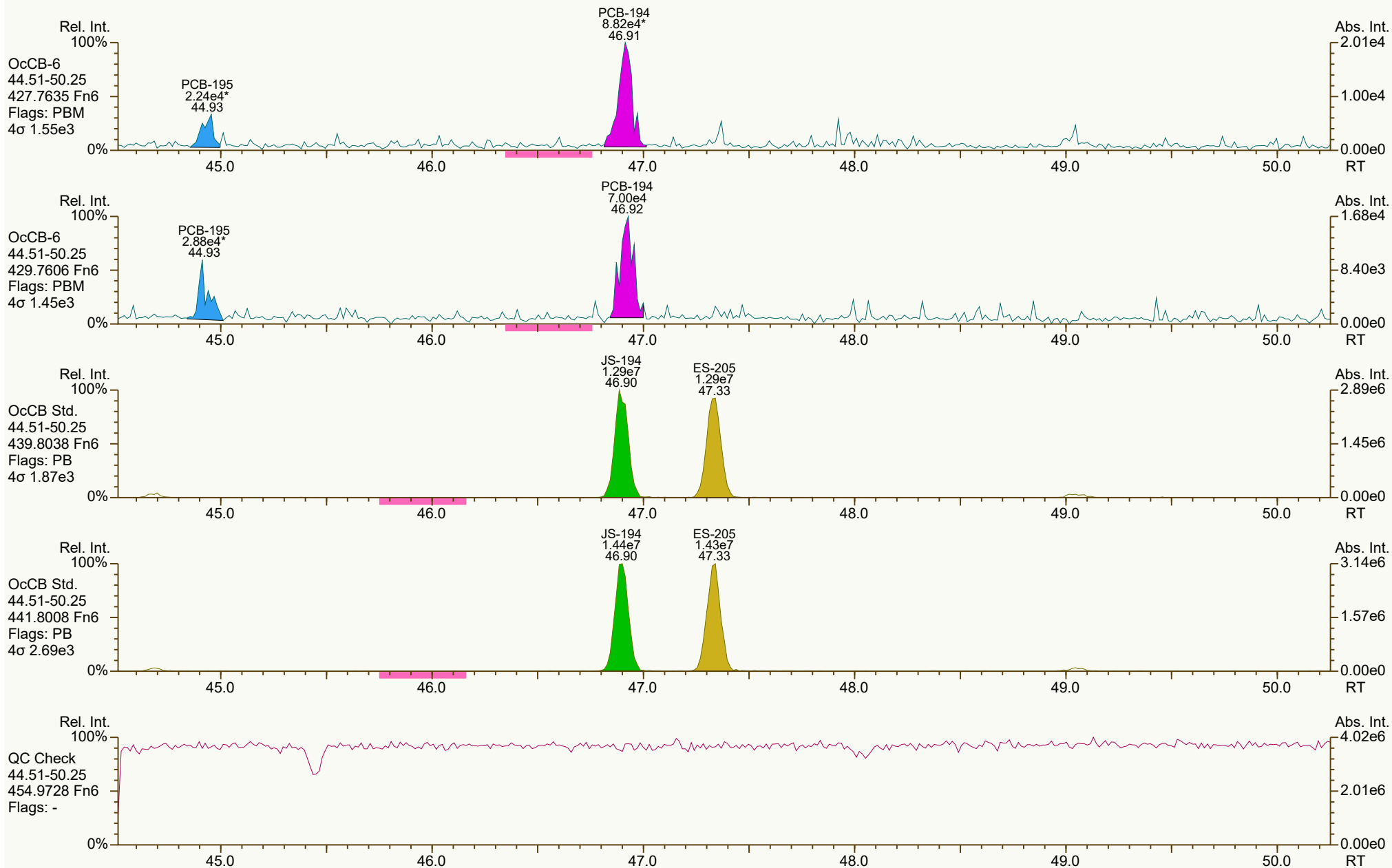
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4128, 4130 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 18 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



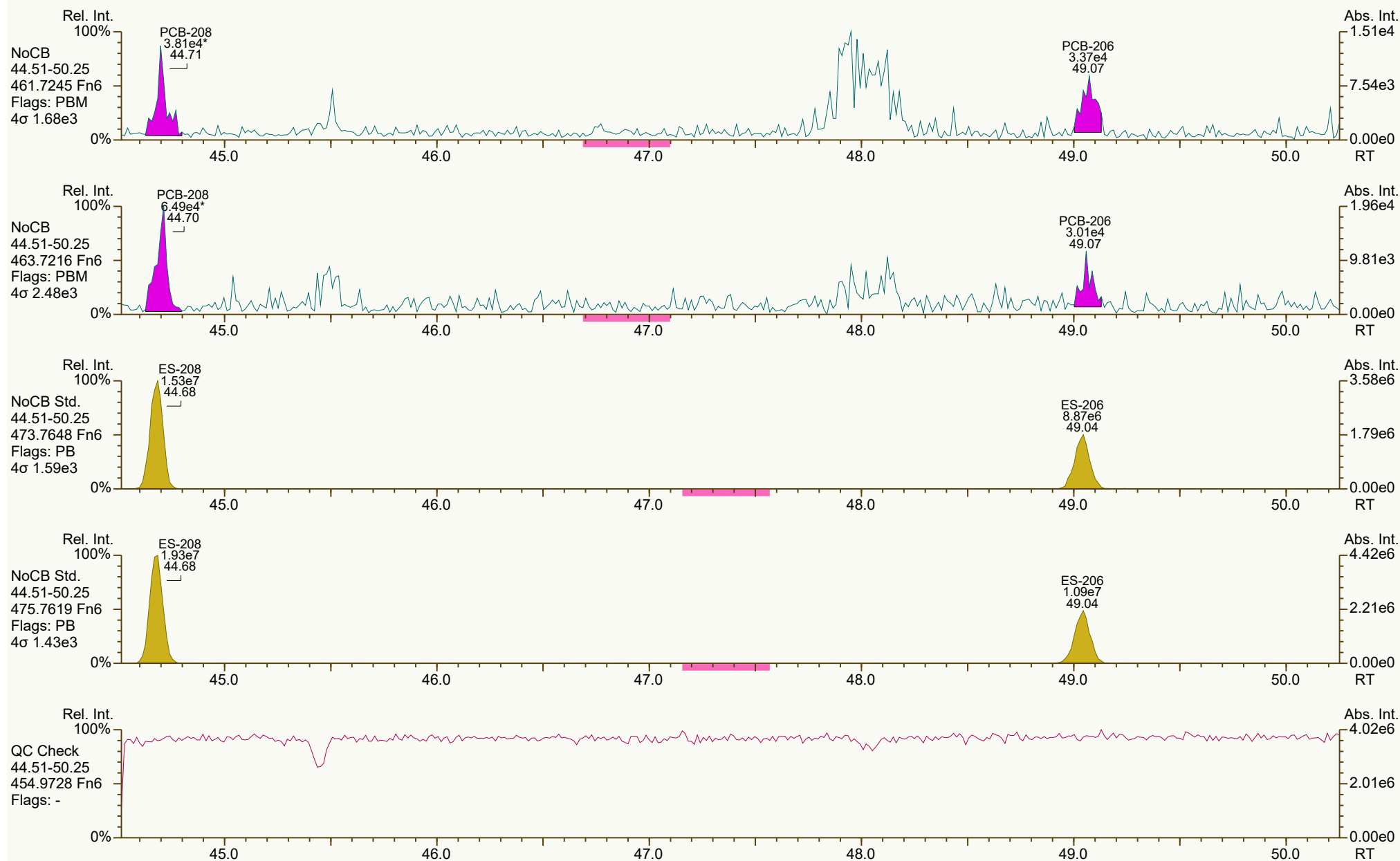
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7558, 6610 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 19 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



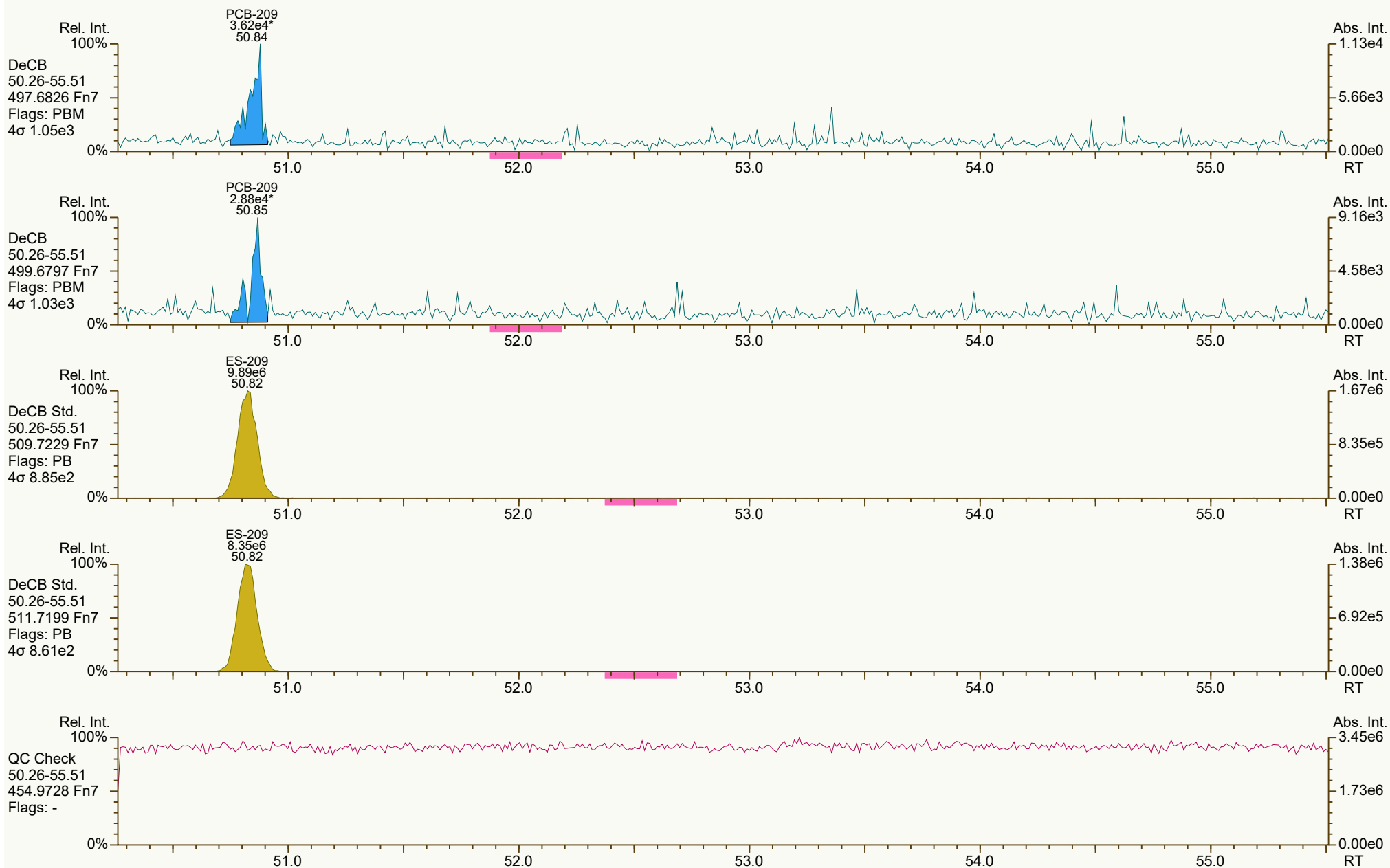
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4582, 8397 scc: 442-377

Peak annotation: Areas, Centroids
PKD: 10-Oct-2024 17:06 Printed: 11-Oct-2024 13:01 Page 20 of 21

SGS ID: B9847_21458_PCB_005
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 58

Acq: 08-Oct-2024 11:10:52
User: JLJ Datafile: 241007B19



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_005.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2120, 7522 scc: 442-377

Peak annotation: Areas, Centroids
Revised: 10-Oct-2024 15:51 (JLJ) Printed: 11-Oct-2024 13:01 Page 21 of 21

Lab ID: B9847_21458_PCB_006

ACQ: 08-Oct-2024 12:09:34 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill off

UTP: 11-Oct-2024 12:38:15 JLJ

J-level: 20 pg Split: 2

Checkcode: 147-850-RQH/C

Datafile: 241007B20

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.21		1.0006	1.0006	0	1.86E+06	0.72	0.95	189	1.04E+04	11.3
PCB-81 344'5-TeCB	31.73		1.0005	1.0004	-0.2	3.18E+05	0.86	0.94	34.6	1.04E+04	12.1
PCB-105 233'44'-PeCB	35.14	B	1.0006	1.0007	+0.2	2.23E+06	0.65	0.97	203	2.03E+04	18.3
PCB-114 2344'5-PeCB	34.59	J EMPC	1.0007	1.0006	-0.2	2.09E+05	0.75	0.96	18.8	2.03E+04	18
PCB-118 23'44'5-PeCB	34.13	B	1.0007	1.0007	0	7.28E+06	0.63	0.99	620	2.03E+04	17.6
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	2.03E+04	18.8
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	9.98E+03	12.4
PCB-156/157 ...-HxCB	40.26	B C	1.0005	1.0000	-1.2	4.75E+05	1.31	0.96	61.1	5.42E+03	9.76
PCB-167 23'44'55'-HxCB	39.29	B	1.0005	1.0005	0	2.70E+05	1.23	0.94	29.9	5.42E+03	6.11
PCB-169 33'44'55'-HxCB	43.07	J B EMPC	1.0005	1.0010	+1.3	8.96E+04	1.01	0.97	13.4	5.42E+03	8.29
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.40E+03	7.13
PCB-209 DeCB	50.86		1.0005	1.0004	-0.3	1.45E+05	1.19	0.95	44.8	2.05E+03	9.68
ES PCB-1	11.54		0.7219	0.7206	-0.9	7.96E+06	3.49	1.19	27.6 %	5%	145%
ES PCB-3	13.80		0.8628	0.8618	-0.8	1.26E+07	2.68	1.13	46 %	5%	145%
ES PCB-4	14.09		0.8777	0.8802	+2.1	6.00E+06	1.67	0.72	34.2 %	5%	145%
ES PCB-15	19.75		1.2345	1.2333	-1.4	1.15E+07	1.62	1.07	44.1 %	5%	145%
ES PCB-19	17.13		1.0688	1.0696	+0.8	8.27E+06	1.01	0.65	52.6 %	5%	145%
ES PCB-37	25.97		1.0824	1.0795	-4.5	1.40E+07	1.04	1.40	39.6 %	5%	145%
ES PCB-54	20.04		0.8288	0.8330	+5.1	5.47E+06	0.69	1.23	17.6 %	5%	145%
ES PCB-77	32.19		1.3483	1.3380	-19.9	4.14E+07	0.81	1.28	128 %	10%	145%
ES PCB-81	31.71		1.3278	1.3181	-18.5	3.89E+07	0.84	1.33	116 %	10%	145%
ES PCB-104	24.88		0.8278	0.8319	+6.1	1.71E+07	1.53	1.32	40.1 %	10%	145%
ES PCB-105	35.12		1.1779	1.1742	-7.8	4.55E+07	1.66	1.26	112 %	10%	145%
ES PCB-114	34.57		1.1590	1.1557	-6.8	4.63E+07	1.60	1.34	106 %	10%	145%
ES PCB-118	34.11		1.1434	1.1404	-6.1	4.75E+07	1.60	1.31	112 %	10%	145%
ES PCB-123	33.83		1.1339	1.1310	-5.9	4.35E+07	1.56	1.27	106 %	10%	145%
ES PCB-126	37.74		1.2663	1.2620	-9.7	3.53E+07	1.62	1.19	91.6 %	10%	145%
ES PCB-153	35.66		0.9706	0.9708	+0.4	4.22E+07	1.29	1.11	87.7 %	10%	145%
ES PCB-155	29.70		0.8059	0.8086	+4.8	3.55E+07	1.22	1.45	56.5 %	10%	145%
ES PCB-156/157	40.26	C	1.0967	1.0962	-1.2	6.47E+07	1.24	1.24	60.3 %	10%	145%
ES PCB-167	39.27		1.0695	1.0692	-0.7	3.85E+07	1.25	1.29	69.1 %	10%	145%
ES PCB-169	43.02		1.1714	1.1713	-0.3	2.76E+07	1.26	1.18	54 %	10%	145%
ES PCB-170	42.49		0.9058	0.9058	0	2.58E+07	1.00	1.06	137 %	10%	145%
ES PCB-180	41.41		0.8827	0.8827	0	3.21E+07	1.07	1.25	144 %	10%	145%
ES PCB-188	34.51		0.9393	0.9397	+0.8	4.41E+07	1.00	1.36	74.7 %	10%	145%
ES PCB-189	45.13		0.9619	0.9619	0	2.31E+07	1.05	1.37	94.5 %	10%	145%
ES PCB-202	39.05		1.0635	1.0631	-0.9	3.96E+07	0.86	1.19	76.8 %	10%	145%
ES PCB-205	47.35		1.0093	1.0093	0	1.96E+07	0.90	1.23	89.1 %	10%	145%
ES PCB-206	49.05		1.0458	1.0456	-0.6	1.44E+07	0.77	0.89	90.8 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.69		0.9528	0.9527	-0.3	2.66E+07	0.77	1.26	119 %	10%	145%
ES PCB-209	50.84		1.0840	1.0837	-0.9	1.35E+07	1.20	0.98	77.2 %	10%	145%
SS PCB-28	22.46		0.9324	0.9333	+1.2	1.20E+07	1.06	1.04	82.4 %	5%	145%
SS PCB-111	32.16		1.0771	1.0753	-3.5	3.59E+07	1.63	0.98	84.1 %	10%	145%
SS PCB-178	37.09		1.0099	1.0097	-0.4	3.00E+07	1.09	0.71	96.2 %	10%	145%
CS PCB-28	22.46		0.9324	0.9333	+1.2	1.20E+07	1.06	1.44	32.8 %	5%	145%
CS PCB-111	32.16		1.0771	1.0753	-3.5	3.59E+07	1.63	1.24	89.2 %	10%	145%
CS PCB-178	37.09		1.0099	1.0097	-0.4	3.00E+07	1.09	0.96	71.9 %	10%	145%
JS PCB-9	16.01					2.42E+07	1.59				
JS PCB-52	24.06					2.53E+07	0.82				
JS PCB-101	29.91					3.25E+07	1.61				
JS PCB-138	36.73					4.33E+07	1.23				
JS PCB-194	46.91					1.78E+07	0.92				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	3,320,000	3,320,000	421		
						Di-CB	373,000	373,000	123		
						Tri-CB	53,600	53,600	60.3		
						Tetra-CB	8,860	9,140	15.5		
						Penta-CB	6,380	10,800	15.3		
						Hexa-CB	7,190	7,370	6.79		
						Hepta-CB	2,640	2,680	5.76		
						Octa-CB	246	457	4.37		
						Nona-CB	50.6	63.6	10.8		

Lab ID: B9847_21458_PCB_006

ACQ: 08-Oct-2024 12:09:34 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill off

UTP: 11-Oct-2024 12:38:15 JLJ

J-level: 20 pg Split: 2

Checkcode: 147-850-RQH/C

Datafile: 241007B20

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.55	E	1.0012	1.0014	+0.1	1.53E+09	3.07	1.01	764,000	3.98E+04	553
PCB-2 3-MoCB	13.64	E	0.9879	0.9881	+0.2	4.98E+09	3.04	1.02	1,550,000	3.98E+04	288
PCB-3 4-MoCB	13.81	E	1.0010	1.0011	+0.1	3.20E+09	3.06	1.01	1,000,000	3.98E+04	289
PCB-4 22'-DiCB	14.11		1.0012	1.0012	0	1.17E+07	1.60	0.98	7,950	7.48E+03	56.6
PCB-10 26-DiCB	14.25		1.0136	1.0113	-2.0	5.59E+06	1.68	1.39	2,680	7.48E+03	40.1
PCB-9 25-DiCB	16.03		1.0010	1.0011	+0.1	5.21E+07	1.50	0.90	20,300	1.99E+04	204
PCB-7 24-DiCB	16.18		1.0112	1.0105	-0.7	4.55E+07	1.56	0.83	19,300	1.99E+04	222
PCB-6 23'-DiCB	16.42		1.0259	1.0255	-0.4	1.35E+08	1.54	0.96	49,000	1.99E+04	190
PCB-5 23-DiCB	16.75		1.0445	1.0459	+1.4	1.90E+07	1.55	0.79	8,420	1.99E+04	232
PCB-8 24'-DiCB	16.87		1.0520	1.0535	+1.5	5.17E+07	1.55	1.04	17,500	1.99E+04	177
PCB-14 35-DiCB	18.41		0.9307	0.9322	+1.7	7.27E+07	1.50	0.81	31,200	1.99E+04	225
PCB-11 33'-DiCB	19.18		0.9711	0.9711	0	1.87E+08	1.51	0.90	72,700	1.99E+04	204
PCB-13/12 34'/34-DiCB	19.45	C	0.9858	0.9851	-0.8	3.15E+08	1.51	0.82	134,000	1.99E+04	223
PCB-15 44'-DiCB	19.74		1.0007	0.9996	-1.3	2.85E+07	1.58	0.97	10,300	1.99E+04	189
PCB-19 22'6-TrCB	17.14		1.0011	1.0010	-0.1	1.28E+06	1.03	1.03	600	6.37E+03	53
PCB-30/18 246/22'5-TrCB	18.90	C	1.1030	1.1033	+0.3	1.16E+07	1.07	1.48	3,810	6.37E+03	37.1
PCB-17 22'4-TrCB	19.27		1.1270	1.1251	-2.2	6.43E+06	1.03	1.03	3,030	6.37E+03	53.4
PCB-27 23'6-TrCB	19.46		1.1387	1.1363	-2.8	2.23E+06	1.18	1.42	762	6.37E+03	38.6
PCB-24 236-TrCB	19.66		1.1462	1.1481	+2.2	4.24E+06	1.08	1.43	1,430	6.37E+03	38.3
PCB-16 22'3-TrCB	ND		1.1524					1.03	ND	6.37E+03	53.5
PCB-32 24'6-TrCB	20.20	B	1.1803	1.1796	-0.8	2.19E+06	0.97	1.59	666	6.37E+03	34.4
PCB-34 23'5'-TrCB	21.29		0.8163	0.8197	+4.3	3.94E+06	1.01	0.95	1,180	2.13E+04	73.2
PCB-23 235-TrCB	21.44		0.8218	0.8254	+4.6	1.70E+06	1.13	0.97	499	2.13E+04	71.7
PCB-26/29 23'5/245-TrCB	21.74	C	0.8330	0.8371	+5.3	1.43E+07	0.99	0.96	4,260	2.13E+04	72.6
PCB-25 23'4-TrCB	21.94		0.8409	0.8446	+4.9	1.16E+07	0.99	1.19	2,800	2.13E+04	58.7
PCB-31 24'5-TrCB	22.21		0.8517	0.8551	+4.5	1.77E+07	1.02	1.16	4,370	2.13E+04	60.3
PCB-28/20 244'/233'-TrCB	22.49	C	0.8626	0.8657	+4.2	1.88E+07	0.99	1.06	5,070	2.13E+04	66.1
PCB-21/33 234/23'4'-TrCB	22.67	C	0.8696	0.8728	+4.4	1.75E+07	1.00	1.04	4,820	2.13E+04	67.2
PCB-22 234'-TrCB	23.06		0.8845	0.8878	+4.6	5.21E+06	0.98	1.11	1,340	2.13E+04	62.7
PCB-36 33'5-TrCB	24.40		0.9378	0.9394	+2.3	8.82E+06	1.06	1.15	2,190	2.13E+04	60.7
PCB-39 34'5-TrCB	24.72		0.9504	0.9518	+2.1	5.56E+06	0.99	1.02	1,550	2.13E+04	68.3
PCB-38 345-TrCB	25.23		0.9706	0.9713	+1.1	2.36E+07	1.01	1.05	6,410	2.13E+04	66.3
PCB-35 33'4-TrCB	25.64		0.9865	0.9870	+0.8	2.46E+07	0.98	0.99	7,100	2.13E+04	70.5
PCB-37 344'-TrCB	26.00		1.0007	1.0009	+0.3	6.21E+06	1.01	1.03	1,720	2.13E+04	67.6
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.08E+03	42.7
PCB-50/53 22'46/22'56'-TeCB	21.96	B EMPC C	0.9120	0.9128	+1.1	1.65E+06	0.90	0.93	183	5.15E+03	6.12
PCB-45 22'36-TeCB	22.56		0.9369	0.9376	+0.9	1.70E+06	0.71	0.78	224	5.15E+03	7.24
PCB-51 22'46'-TeCB	22.63	B	0.9395	0.9405	+1.4	4.83E+05	0.85	0.94	53.1	5.15E+03	6.05
PCB-46 22'36'-TeCB	22.83	B	0.9488	0.9488	0	3.82E+05	0.82	0.74	52.9	5.15E+03	7.62
PCB-52 22'55'-TeCB	24.08	B	1.0010	1.0009	-0.1	1.58E+07	0.78	1.02	1,580	5.15E+03	5.54
PCB-73 23'5'6-TeCB	24.19	EMPC	1.0061	1.0055	-0.9	3.26E+05	0.62	1.27	26.4	5.15E+03	4.46

Lab ID: B9847_21458_PCB_006

ACQ: 08-Oct-2024 12:09:34 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill off

UTP: 11-Oct-2024 12:38:15 JLJ

J-level: 20 pg Split: 2

Checkcode: 147-850-RQH/C

Datafile: 241007B20

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.28		1.0100	1.0092	-1.2	7.32E+05	0.83	0.91	83	5.15E+03	6.25
PCB-69/49 23'46/22'45'-TeCB	24.50	B C	1.0181	1.0183	+0.3	6.70E+06	0.75	1.06	650	5.15E+03	5.34
PCB-48 22'45'-TeCB	24.74		1.0299	1.0283	-2.4	2.35E+06	0.71	0.89	273	5.15E+03	6.39
PCB-44/47/65 ...-TeCB	24.95	B C	1.0391	1.0371	-3.0	1.44E+07	0.76	1.02	1,460	5.15E+03	5.57
PCB-59/62/75 ...-TeCB	25.23	C	1.0505	1.0487	-2.7	2.08E+06	0.75	1.17	183	5.15E+03	4.86
PCB-42 22'34'-TeCB	25.41	B	1.0580	1.0561	-2.9	1.90E+06	0.79	0.80	244	5.15E+03	7.08
PCB-41 22'34'-TeCB	25.74		1.0720	1.0696	-3.7	1.12E+06	0.77	0.71	162	5.15E+03	7.96
PCB-71/40 23'4'6/22'33'-TeCB	25.83	C	1.0761	1.0733	-4.3	5.31E+06	0.80	0.98	559	5.15E+03	5.79
PCB-64 234'6'-TeCB	26.03	B	1.0844	1.0819	-3.9	1.78E+06	0.75	1.20	153	5.15E+03	4.74
PCB-72 23'55'-TeCB	26.74		0.8391	0.8431	+6.4	1.13E+06	0.82	1.06	110	1.04E+04	10.8
PCB-68 23'45'-TeCB	26.98		0.8471	0.8508	+6.0	1.53E+06	0.90	0.98	161	1.04E+04	11.7
PCB-57 233'5'-TeCB	27.34		0.8589	0.8621	+5.2	9.38E+05	0.83	1.01	95.5	1.04E+04	11.3
PCB-58 233'5'-TeCB	27.54		0.8655	0.8685	+5.0	5.49E+05	0.85	1.12	50.5	1.04E+04	10.3
PCB-67 23'45'-TeCB	27.69		0.8702	0.8730	+4.7	1.48E+06	0.74	1.18	129	1.04E+04	9.73
PCB-63 234'5'-TeCB	27.91		0.8775	0.8802	+4.5	5.40E+05	0.77	0.91	61	1.04E+04	12.6
PCB-61/70/74/76 ...-TeCB	28.20	B C	0.8867	0.8893	+4.4	1.24E+07	0.79	1.05	1,210	1.04E+04	10.9
PCB-66 23'44'-TeCB	28.48	B	0.8958	0.8980	+3.8	5.73E+06	0.76	1.04	564	1.04E+04	11
PCB-55 233'4'-TeCB	28.62		0.9006	0.9025	+3.3	7.39E+05	0.79	1.10	69	1.04E+04	10.4
PCB-56 233'4'-TeCB	29.05	B	0.9145	0.9161	+2.8	1.95E+06	0.71	1.02	195	1.04E+04	11.2
PCB-60 2344'-TeCB	29.25	B	0.9206	0.9222	+2.8	1.09E+06	0.67	0.88	126	1.04E+04	13
PCB-80 33'55'-TeCB	29.56		0.9306	0.9321	+2.7	4.99E+05	0.83	1.02	50.6	1.04E+04	11.3
PCB-79 33'45'-TeCB	30.87		0.9730	0.9735	+0.9	1.54E+06	0.72	1.15	137	1.04E+04	9.94
PCB-78 33'45'-TeCB	31.35	EMPC	0.9884	0.9884	0	6.44E+05	0.95	0.92	71.9	1.04E+04	12.4
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.40E+03	6.83
PCB-96 22'366'-PeCB	25.23	EMPC	1.0146	1.0139	-1.1	1.22E+05	0.76	0.97	29.4	2.40E+03	7.06
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	2.03E+04	23.8
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	2.03E+04	28.3
PCB-95 22'35'6'-PeCB	ND		0.9159					0.72	ND	2.03E+04	25
PCB-100/93 22'44'6/22'356'-PeCB	27.45	EMPC C	0.9223	0.9179	-7.2	6.39E+06	0.96	0.72	819	2.03E+04	25.2
PCB-102 22'456'-PeCB	27.58	J B EMPC	0.9261	0.9222	-6.5	1.81E+05	5.65	0.84	19.9	2.03E+04	21.5
PCB-98 22'34'6'-PeCB	27.64	EMPC	0.9284	0.9241	-7.1	2.05E+05	3.69	0.84	22.4	2.03E+04	21.5
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	2.03E+04	26.3
PCB-91 22'34'6'-PeCB	28.18	B	0.9411	0.9423	+2.0	8.48E+05	0.61	0.73	107	2.03E+04	24.7
PCB-84 22'33'6'-PeCB	28.37	B EMPC	0.9479	0.9486	+1.2	1.57E+06	1.08	0.61	237	2.03E+04	29.6
PCB-89 22'346'-PeCB	ND		0.9617					0.73	ND	2.03E+04	24.7
PCB-121 23'45'6'-PeCB	ND		0.9725					1.10	ND	2.03E+04	16.5
PCB-92 22'355'-PeCB	29.44	B	0.9838	0.9843	+0.9	2.20E+06	0.55	0.68	298	2.03E+04	26.6
PCB-113/90/101 ...-PeCB	29.93	C	1.0000	1.0006	+1.1	1.98E+07	0.54	0.81	2,260	2.03E+04	22.4
PCB-83 22'33'5'-PeCB	30.30	EMPC	1.0148	1.0133	-2.7	4.14E+06	0.32	0.54	704	2.03E+04	33.4
PCB-99 22'44'5'-PeCB	30.39		1.0176	1.0163	-2.4	1.59E+07	0.55	0.99	1,470	2.03E+04	18.3
PCB-112 233'56'-PeCB	ND		1.0213					1.14	ND	2.03E+04	15.9

Lab ID: B9847_21458_PCB_006

ACQ: 08-Oct-2024 12:09:34 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill off

UTP: 11-Oct-2024 12:38:15 JLJ

J-level: 20 pg Split: 2

Checkcode: 147-850-RQH/C

Datafile: 241007B20

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.91	EMPC C	1.0330	1.0335	+0.9	2.37E+07	0.49	0.88	2,480	2.03E+04	20.6
PCB-117 234'56-PeCB	31.38	B EMPC	1.0509	1.0493	-3.0	2.31E+05	0.48	0.85	24.9	2.03E+04	21.2
PCB-116/85 23456/22'344'-PeCB	31.47	B C	1.0538	1.0523	-2.8	1.37E+06	0.67	0.84	151	2.03E+04	21.5
PCB-110 233'4'6-PeCB	31.61	B	1.0582	1.0568	-2.7	1.18E+07	0.61	1.09	990	2.03E+04	16.5
PCB-115 2344'6-PeCB	ND		1.0605					1.03	ND	2.03E+04	17.5
PCB-82 22'33'4-PeCB	31.89	B	1.0679	1.0661	-3.4	8.47E+05	0.54	0.69	113	2.03E+04	26.2
PCB-111 233'55'-PeCB	32.19	J EMPC	1.0779	1.0762	-3.3	1.99E+05	0.49	0.95	19.3	2.03E+04	19
PCB-120 23'455'-PeCB	32.58		1.0913	1.0892	-4.1	3.86E+05	0.54	1.15	30.9	2.03E+04	15.7
PCB-108/124 ...-PeCB	33.55	C	0.9915	0.9917	+0.4	6.00E+05	0.64	0.91	60.5	2.03E+04	19.8
PCB-107 233'4'5-PeCB	33.75		0.9976	0.9978	+0.4	8.43E+05	0.58	1.00	77.5	2.03E+04	18.1
PCB-106 233'45-PeCB	33.96	J EMPC	1.0039	1.0041	+0.4	1.30E+05	0.79	0.95	12.5	2.03E+04	19
PCB-122 233'4'5'-PeCB	34.43	EMPC	1.0095	1.0094	-0.2	1.80E+05	0.94	0.76	20.4	2.03E+04	22.7
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	2.03E+04	18.5
PCB-155 22'44'66'-HxCB	29.73	J EMPC	1.0007	1.0009	+0.4	4.26E+04	0.94	0.95	5.04	2.69E+03	2.99
PCB-152 22'3566'-HxCB	29.89	J	1.0072	1.0065	-1.3	2.81E+04	1.41	0.98	3.23	2.69E+03	2.91
PCB-150 22'34'66'-HxCB	30.05	J EMPC	1.0118	1.0118	0	3.50E+04	1.62	0.84	4.68	2.69E+03	3.39
PCB-136 22'33'66'-HxCB	30.37		1.0228	1.0225	-0.5	2.64E+06	1.31	0.79	376	2.69E+03	3.6
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	2.69E+03	3.13
PCB-148 22'34'56'-HxCB	31.85	J EMPC	1.0741	1.0722	-3.6	6.22E+04	1.52	0.91	6.44	2.69E+03	2.8
PCB-151/135 ...-HxCB	32.37	C	1.0925	1.0900	-4.9	7.21E+06	1.24	0.89	768	2.69E+03	2.88
PCB-154 22'44'56'-HxCB	32.57	J EMPC	1.0987	1.0964	-4.5	1.88E+05	1.88	0.95	18.7	2.69E+03	2.68
PCB-144 22'345'6-HxCB	32.85		1.1082	1.1059	-4.5	1.02E+06	1.27	0.87	110	2.69E+03	2.93
PCB-147/149 ...-HxCB	33.14	C	1.1186	1.1158	-5.6	1.48E+07	1.33	0.96	1,470	2.69E+03	2.67
PCB-134 22'33'56-HxCB	33.33	EMPC	1.1248	1.1223	-5.0	6.10E+05	1.47	0.71	81	2.69E+03	3.59
PCB-143 22'3456'-HxCB	ND		1.1273					0.85	ND	2.69E+03	3.01
PCB-139/140 ...-HxCB	33.64	J B C	1.1359	1.1326	-6.7	2.48E+05	1.39	0.93	25.4	2.69E+03	2.77
PCB-131 22'33'46-HxCB	33.84	J EMPC	1.1421	1.1394	-5.5	1.53E+05	1.70	0.80	18	2.69E+03	3.18
PCB-142 22'3456-HxCB	33.97	J EMPC	1.1468	1.1436	-6.5	2.18E+04	3.37	0.78	2.63	2.69E+03	3.27
PCB-132 22'33'46'-HxCB	34.22	B	1.1554	1.1522	-6.6	3.42E+06	1.36	0.81	401	2.69E+03	3.17
PCB-133 22'33'55'-HxCB	34.61	EMPC	1.1687	1.1653	-7.1	2.29E+05	0.95	0.90	24.1	2.69E+03	2.84
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	2.69E+03	2.56
PCB-146 22'34'55'-HxCB	35.16		0.9569	0.9572	+0.6	2.33E+06	1.24	1.00	221	2.69E+03	2.57
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	2.69E+03	2.15
PCB-153/168 ...-HxCB	35.68	C	0.9717	0.9714	-0.6	1.74E+07	1.21	1.09	1,510	2.69E+03	2.36
PCB-141 22'3455'-HxCB	35.85		0.9761	0.9761	0	4.36E+06	1.24	0.79	524	2.69E+03	3.25
PCB-130 22'33'45'-HxCB	36.20		0.9856	0.9856	0	6.22E+05	1.27	0.67	88.2	2.69E+03	3.83
PCB-137 22'344'5-HxCB	ND		0.9907					0.71	ND	2.69E+03	3.58
PCB-164 233'4'5'6-HxCB	36.48		0.9933	0.9933	0	1.36E+06	1.20	1.18	109	2.69E+03	2.17
PCB-163/138/129 ...-HxCB	36.76	C	1.0011	1.0007	-0.9	1.13E+07	1.19	0.85	1,260	2.69E+03	3.02
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	2.69E+03	2.57
PCB-158 233'44'6-HxCB	37.09		1.0097	1.0098	+0.2	1.36E+06	1.14	1.09	119	2.69E+03	2.35

Lab ID: B9847_21458_PCB_006

ACQ: 08-Oct-2024 12:09:34 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #2 Mill off

UTP: 11-Oct-2024 12:38:15 JLJ

J-level: 20 pg Split: 2

Checkcode: 147-850-RQH/C

Datafile: 241007B20

RPT: 11-Oct-2024 12:55 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.85	C	0.9631	0.9639	+1.8	8.49E+05	1.32	0.90	98.1	5.42E+03	6.37
PCB-159 233'455'-HxCB	38.62		0.9839	0.9834	-1.2	2.43E+05	1.14	1.13	22.3	5.42E+03	5.05
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	5.42E+03	6.05
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.97E+03	2.51
PCB-179 22'33'566'-HpCB	34.84		1.0095	1.0095	0	2.60E+06	1.06	1.02	231	2.97E+03	2.36
PCB-184 22'344'66'-HpCB	35.25	J EMPC	1.0221	1.0214	-1.5	4.93E+04	0.73	0.95	4.7	2.97E+03	2.54
PCB-176 22'33'466'-HpCB	35.59		1.0313	1.0310	-0.6	8.98E+05	1.19	0.86	94.9	2.97E+03	2.81
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	2.97E+03	2.34
PCB-178 22'33'55'6-HpCB	37.11		1.0758	1.0752	-1.3	9.13E+05	0.94	0.66	125	2.97E+03	3.64
PCB-175 22'33'45'6-HpCB	37.65	J	1.0915	1.0910	-1.1	1.32E+05	0.97	0.97	16.9	4.92E+03	6.29
PCB-187 22'34'55'6-HpCB	37.88		1.0982	1.0975	-1.6	5.39E+06	1.03	1.21	555	4.92E+03	5.06
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	4.92E+03	5.22
PCB-183 22'344'5'6-HpCB	38.40		1.1133	1.1124	-2.1	2.11E+06	1.04	1.00	262	4.92E+03	6.1
PCB-185 22'3455'6-HpCB	38.50		1.1161	1.1154	-1.6	4.81E+05	1.13	0.94	63.5	4.92E+03	6.49
PCB-174 22'33'456'-HpCB	38.61		1.1195	1.1186	-2.1	3.20E+06	1.01	1.02	390	4.92E+03	6
PCB-177 22'33'45'6'-HpCB	38.98		1.1304	1.1295	-2.1	1.20E+06	1.05	0.98	152	4.92E+03	6.23
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	4.92E+03	5.93
PCB-171/173 ...-HpCB	39.52	C	1.1458	1.1449	-2.1	5.52E+05	0.94	0.88	77.9	4.92E+03	6.94
PCB-172 22'33'455'-HpCB	40.87	EMPC	0.9058	0.9057	-0.2	2.71E+05	1.27	0.86	39.2	4.92E+03	7.12
PCB-192 233'455'6-HpCB	ND		0.9112					1.22	ND	4.92E+03	5.03
PCB-180/193 ...-HpCB	41.43	C	0.9175	0.9180	+1.2	4.22E+06	1.00	1.01	519	4.92E+03	6.05
PCB-191 233'44'5'6-HpCB	41.71	J	0.9247	0.9244	-0.8	1.19E+05	1.02	1.05	14.2	4.92E+03	5.86
PCB-170 22'33'44'5-HpCB	42.51		0.9422	0.9421	-0.3	7.65E+05	0.89	0.93	127	4.92E+03	8.52
PCB-190 233'44'56-HpCB	42.94	J	0.9521	0.9516	-1.3	1.16E+05	1.03	1.27	14.2	4.92E+03	6.28
PCB-202 22'33'55'66'-OcCB	39.07		1.0006	1.0005	-0.2	5.79E+05	0.91	0.96	61.1	2.61E+03	2.82
PCB-201 22'33'45'66'-OcCB	39.85		1.0206	1.0205	-0.2	3.50E+05	0.87	0.79	44.5	2.61E+03	3.41
PCB-204 22'344'566'-OcCB	ND		1.0353					0.91	ND	2.61E+03	2.96
PCB-197 22'33'44'66'-OcCB	40.60	J EMPC	1.0403	1.0399	-1.0	6.92E+04	1.10	0.83	8.4	2.61E+03	3.25
PCB-200 22'33'4566'-OcCB	40.72		1.0430	1.0429	-0.2	3.00E+05	0.85	0.81	37.6	2.61E+03	3.35
PCB-198/199 ...-OcCB	43.08	EMPC C	1.1028	1.1033	+1.3	7.48E+05	1.04	0.63	119	2.61E+03	4.25
PCB-196 22'33'44'56'-OcCB	43.64		1.1176	1.1175	-0.3	3.03E+05	0.81	0.54	56.1	2.61E+03	4.96
PCB-203 22'344'55'6-OcCB	43.81	EMPC	1.1219	1.1219	0	4.03E+05	0.69	0.67	60.7	2.61E+03	4.03
PCB-195 22'33'44'56-OcCB	44.94	J EMPC	0.9493	0.9492	-0.3	8.29E+04	1.26	0.91	18.6	2.22E+03	6
PCB-194 22'33'44'55'-OcCB	46.94		0.9912	0.9914	+0.6	1.97E+05	0.81	0.86	46.7	2.22E+03	6.33
PCB-205 233'44'55'6-OcCB	47.38	J EMPC	1.0004	1.0006	+0.6	2.14E+04	1.75	0.92	4.75	2.22E+03	5.91
PCB-208 22'33'455'66'-NoCB	44.71	J EMPC	1.0005	1.0005	0	8.24E+04	1.05	0.96	12.9	3.95E+03	6.03
PCB-207 22'33'44'566'-NoCB	45.50	J	1.0181	1.0181	0	6.33E+04	0.76	0.87	11	3.95E+03	6.65
PCB-206 22'33'44'55'6-NoCB	49.07		1.0005	1.0004	-0.3	1.32E+05	0.68	0.93	39.7	3.95E+03	15.5
AS PCB-32	20.213	V	1.2602	1.2624	+2.7	6.05E+06	1.10	0.84	29.6 %	50%	150%
AS PCB-97	30.829		1.0318	1.0308	-1.8	2.70E+07	1.64	0.85	97.7 %	50%	150%
AS PCB-159	38.624		1.0518	1.0516	-0.5	4.30E+07	1.30	1.16	85.7 %	50%	150%

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



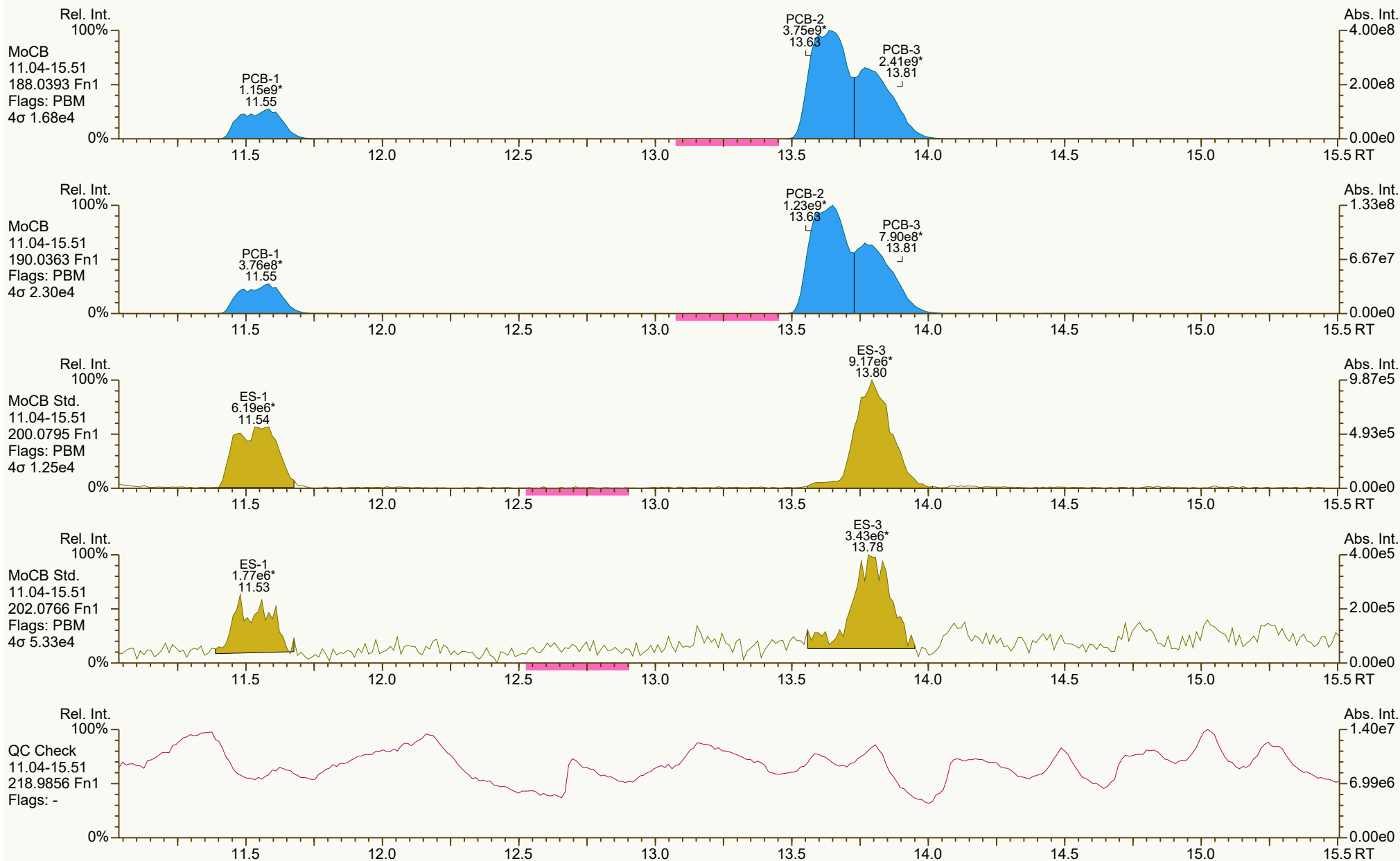
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 147-850

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 13:01 Page 1 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



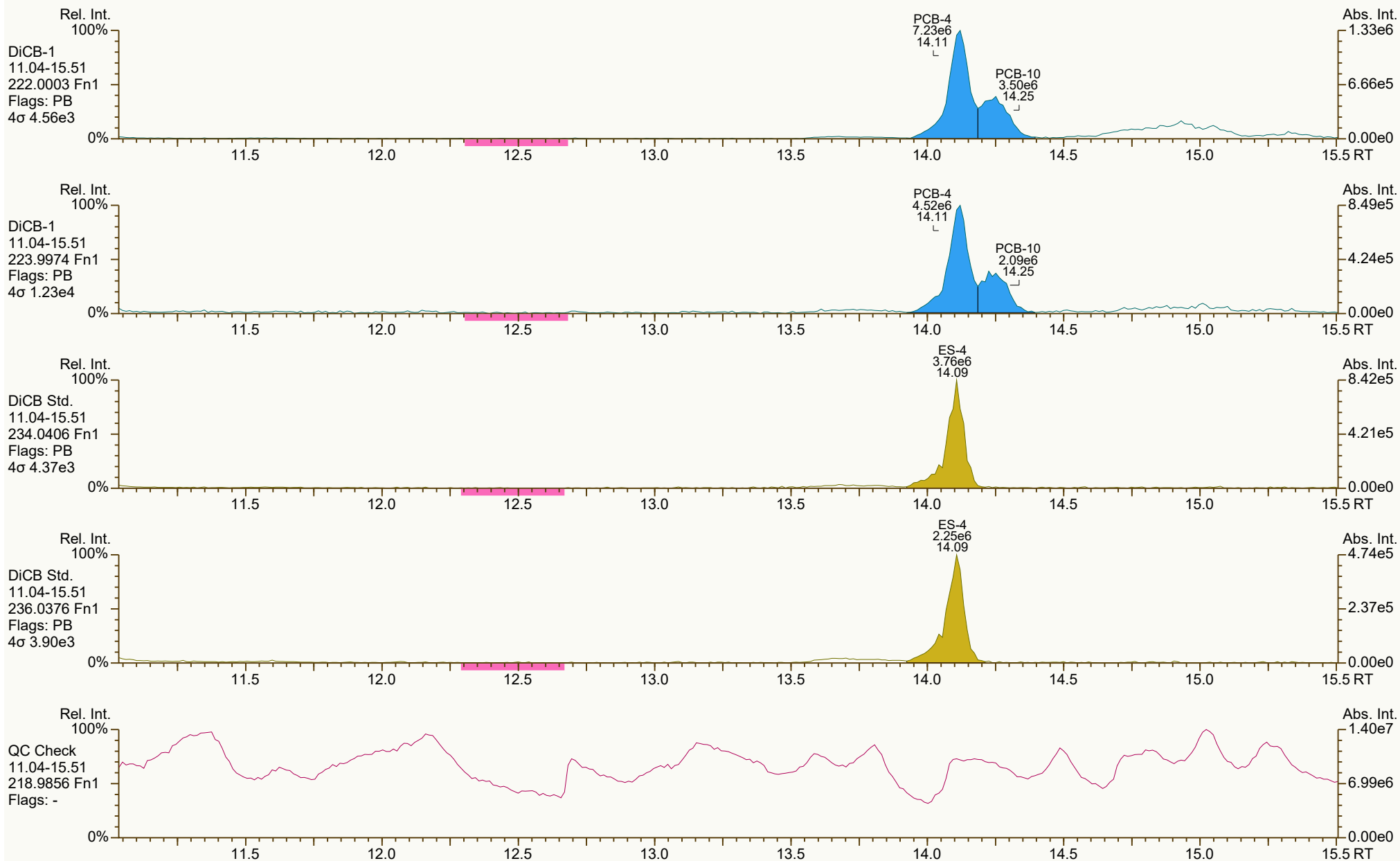
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7468, 9535 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:01 Page 2 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



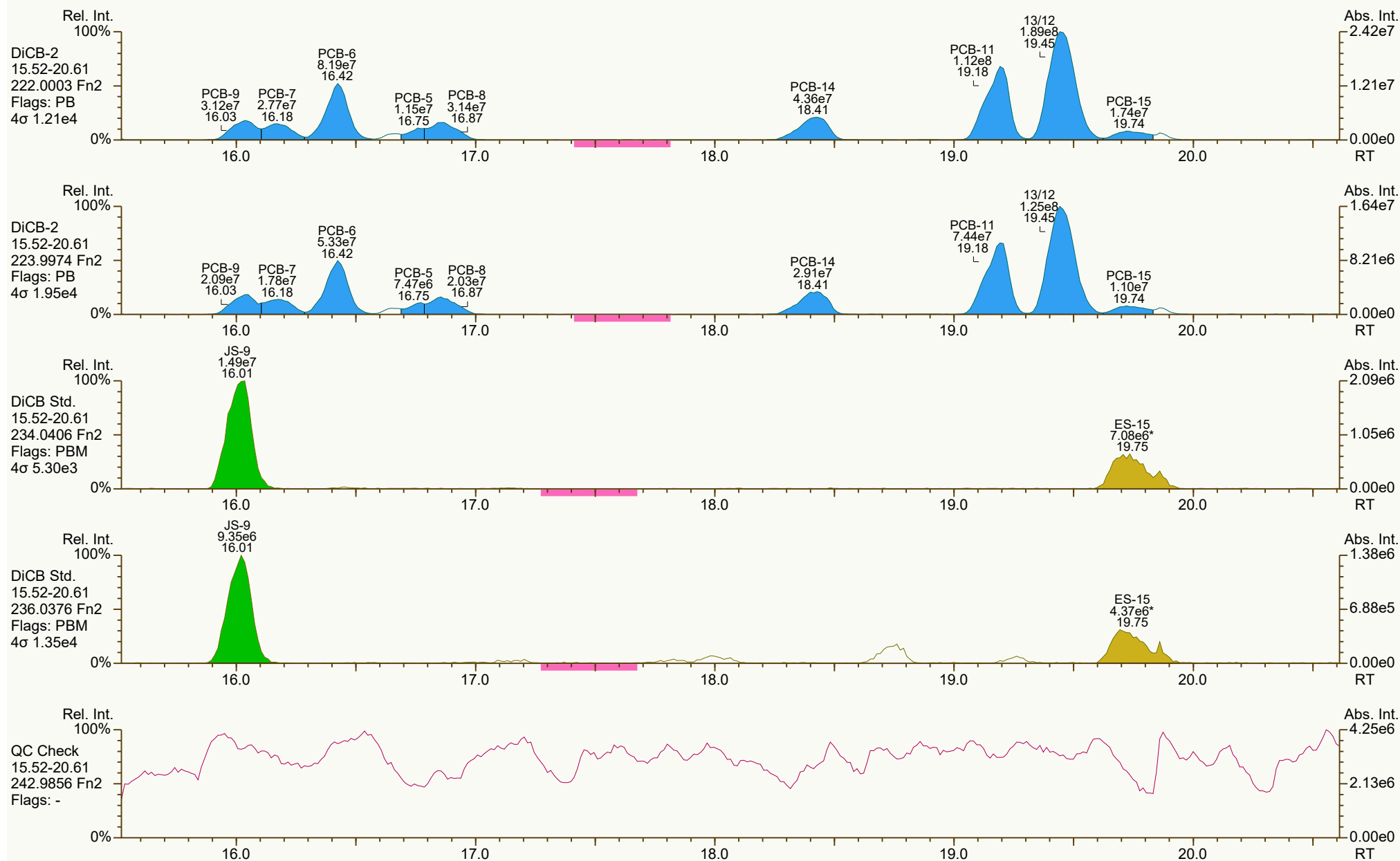
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0689, 7885 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:01 Page 3 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



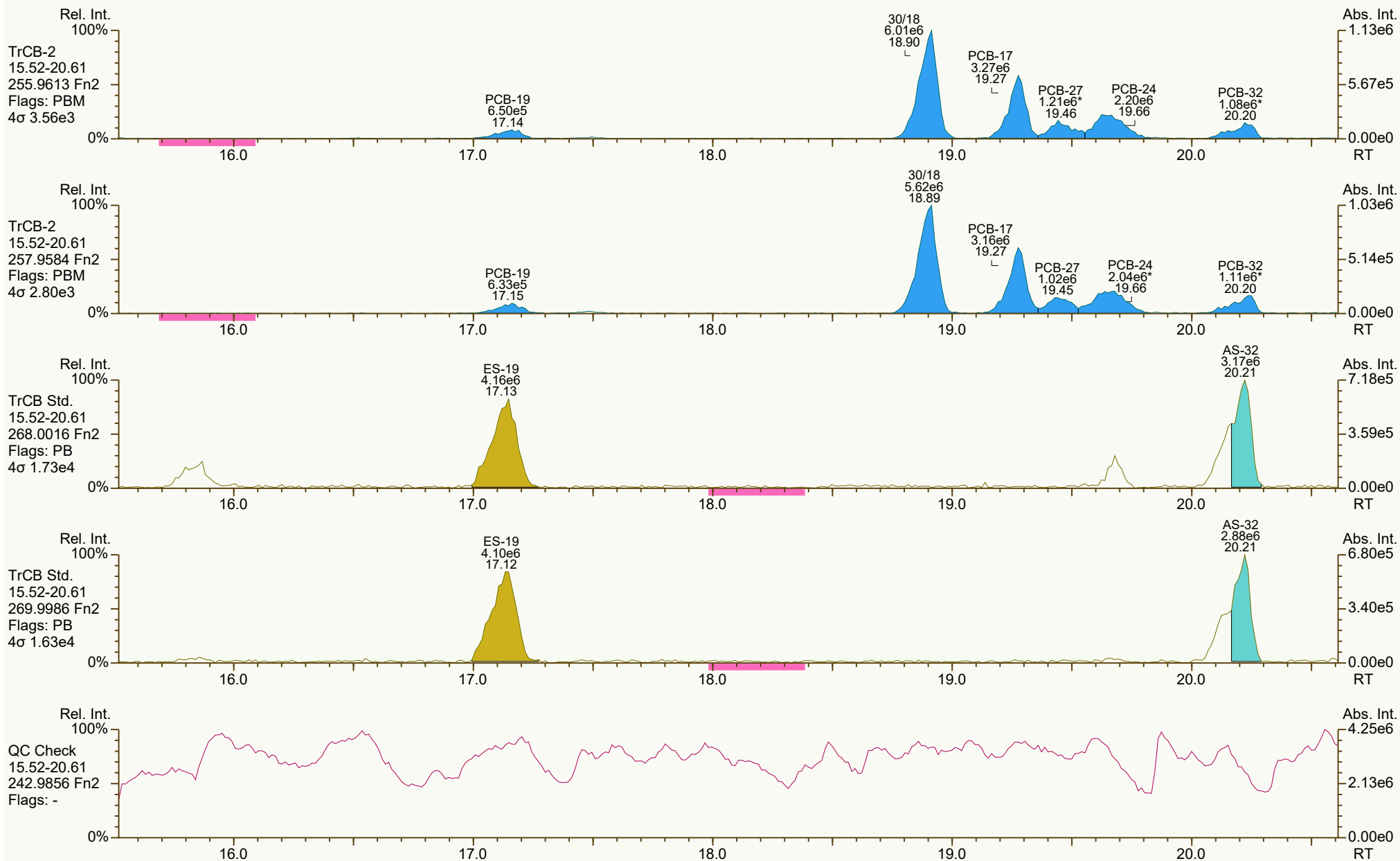
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8412, 3738 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:01 Page 4 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



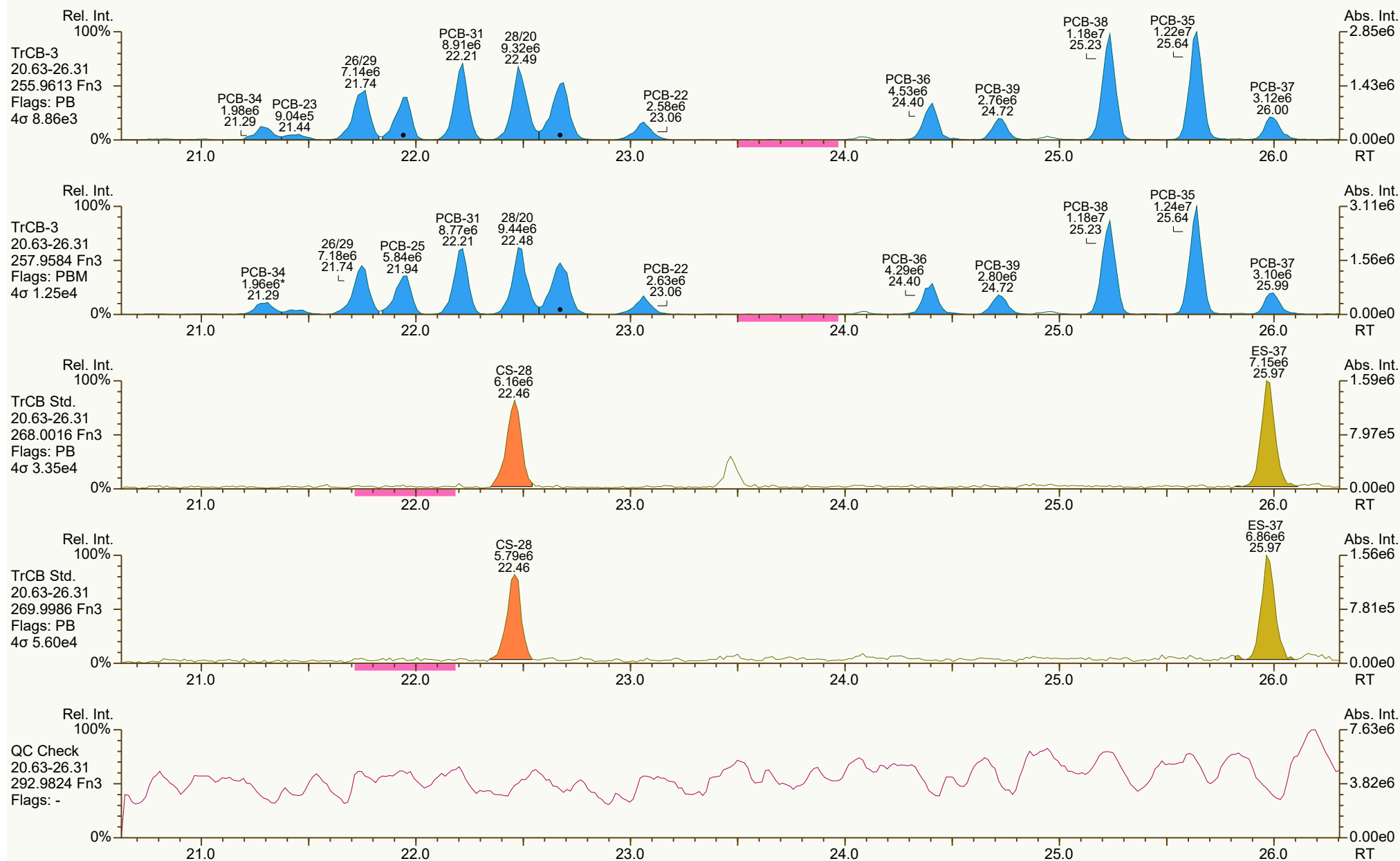
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2246, 2748 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:01 Page 5 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2436, 0979 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:01 Page 6 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



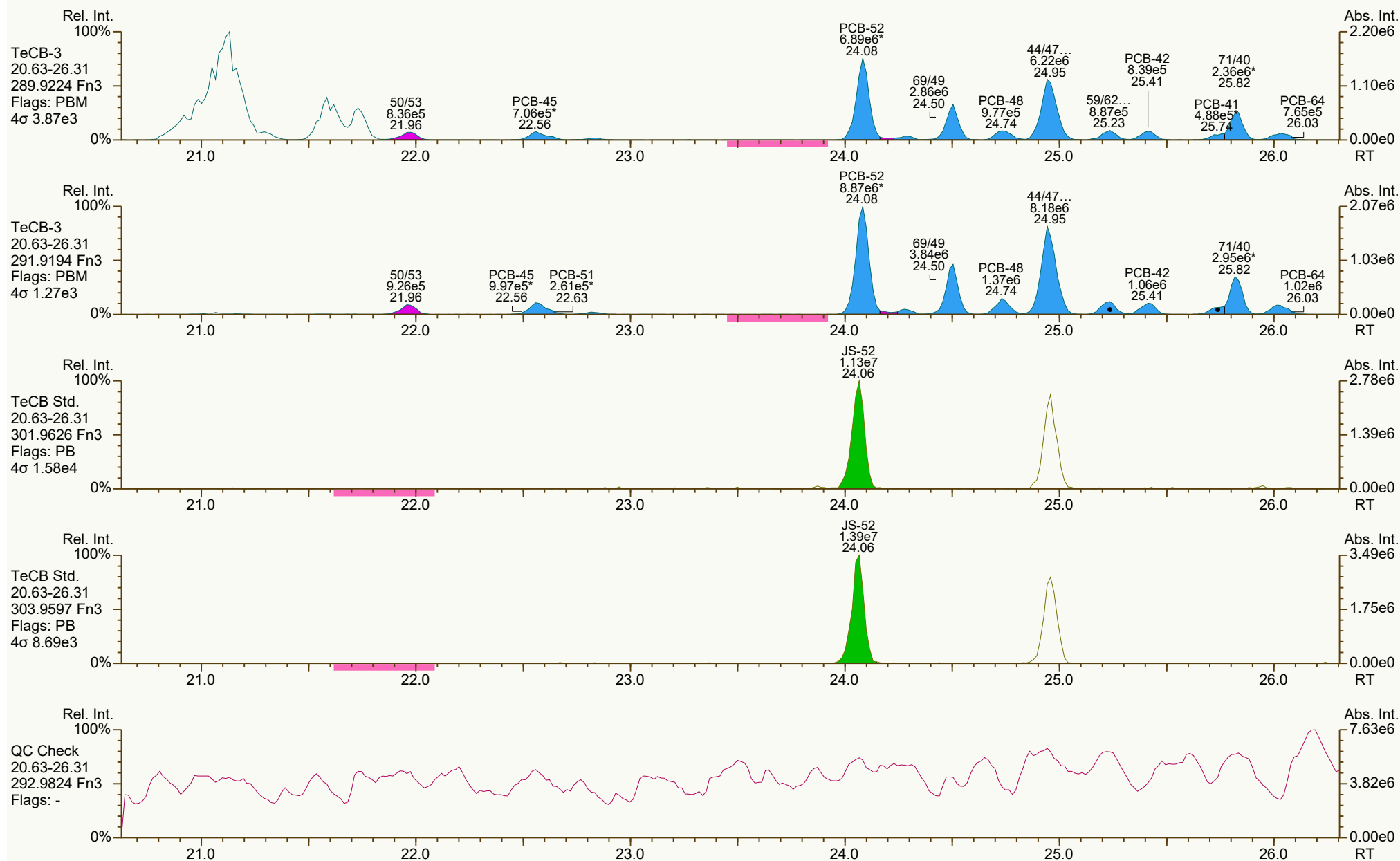
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6160, 5028 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:01 Page 7 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



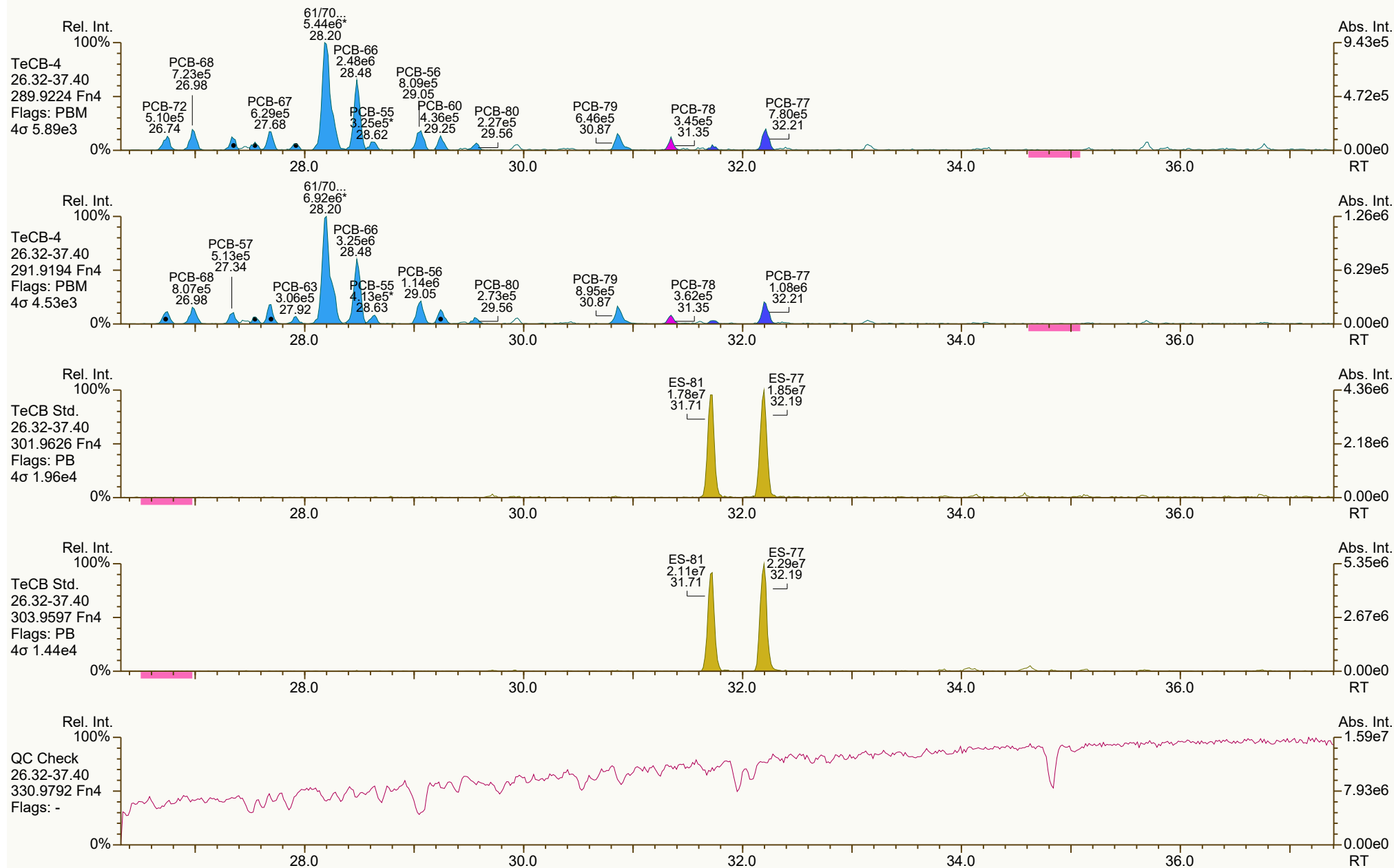
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1431, 4210 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:01 Page 8 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0501, 4174 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 9 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



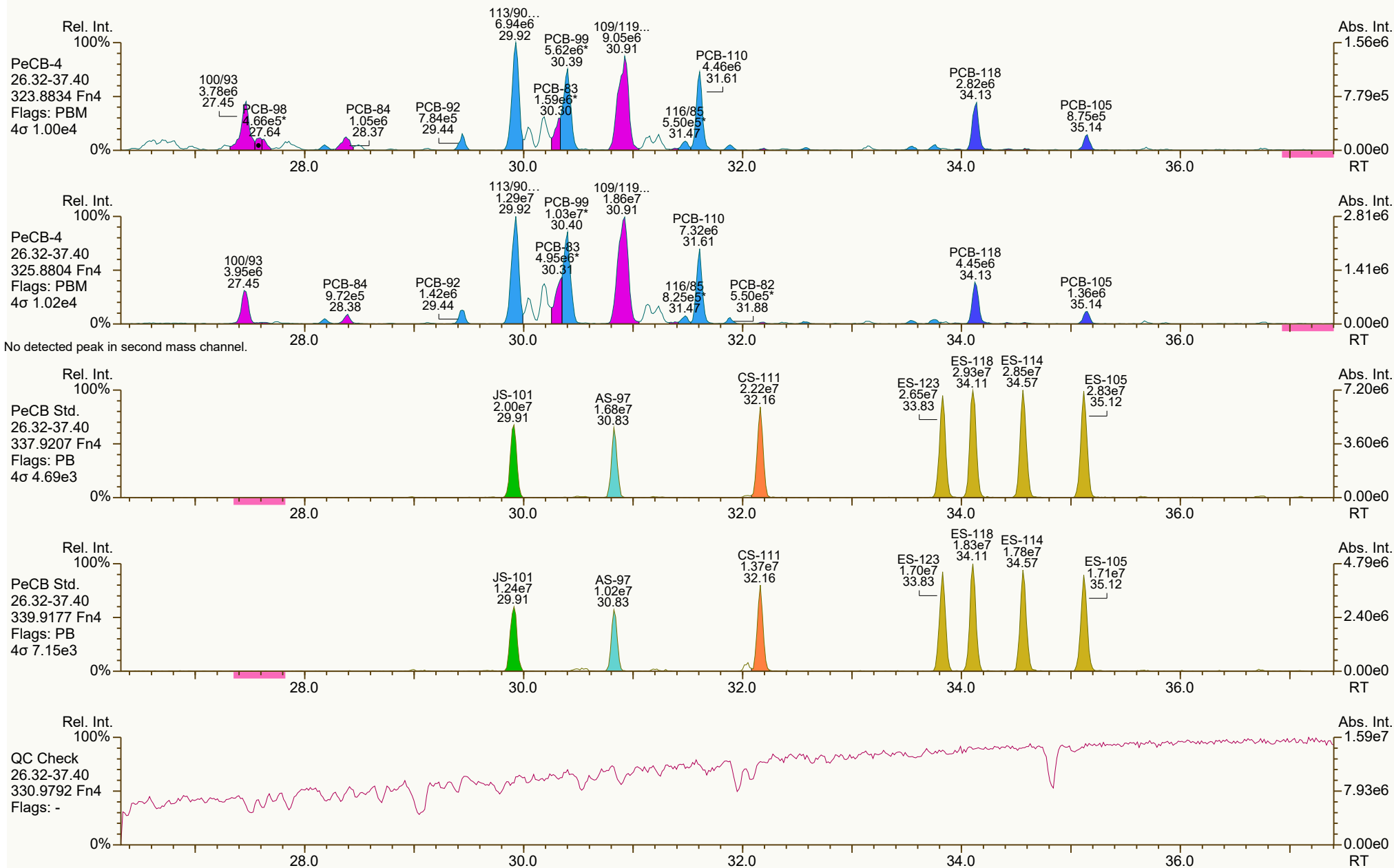
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8256, 3369 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 10 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



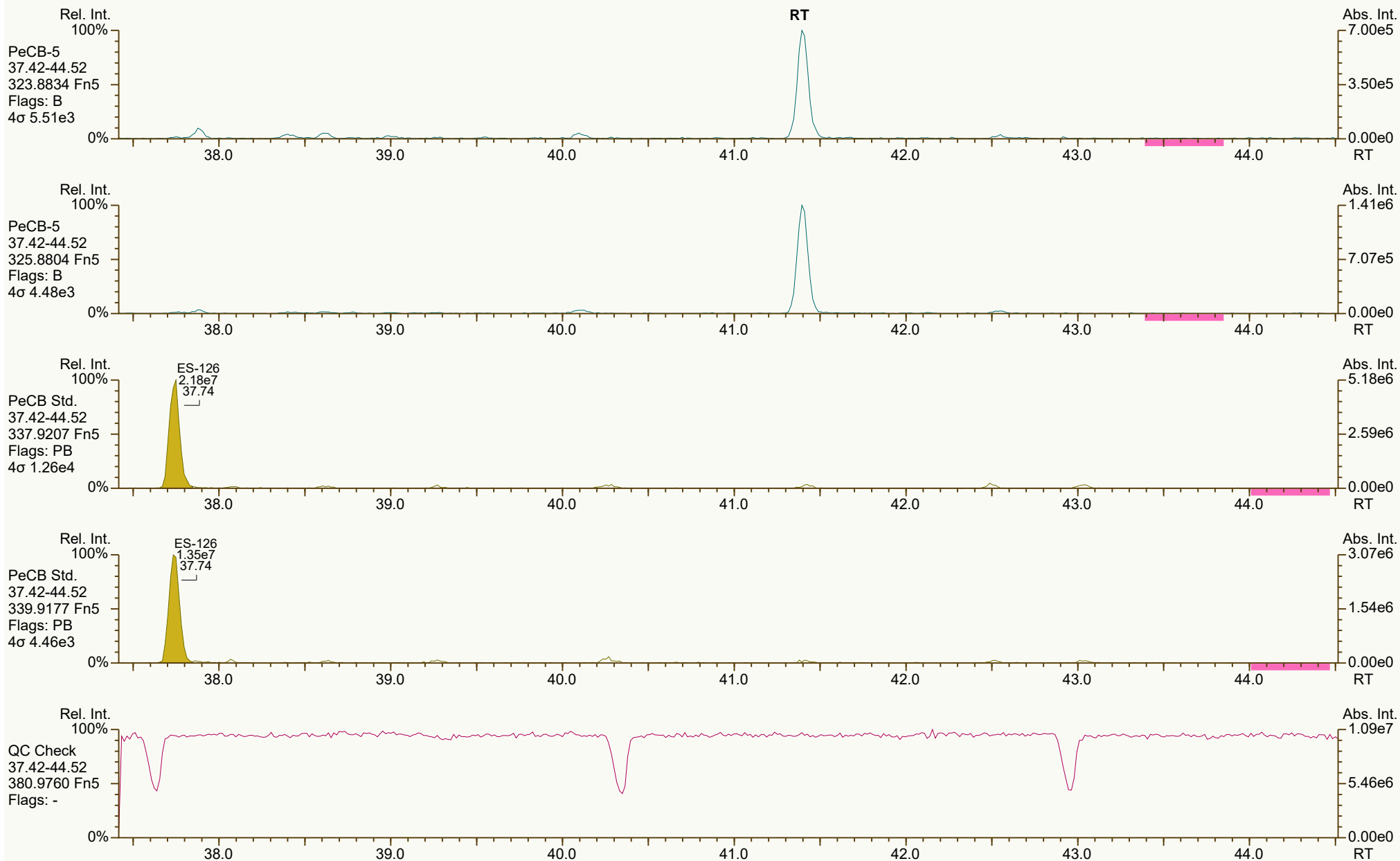
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6136, 2011 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 11 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



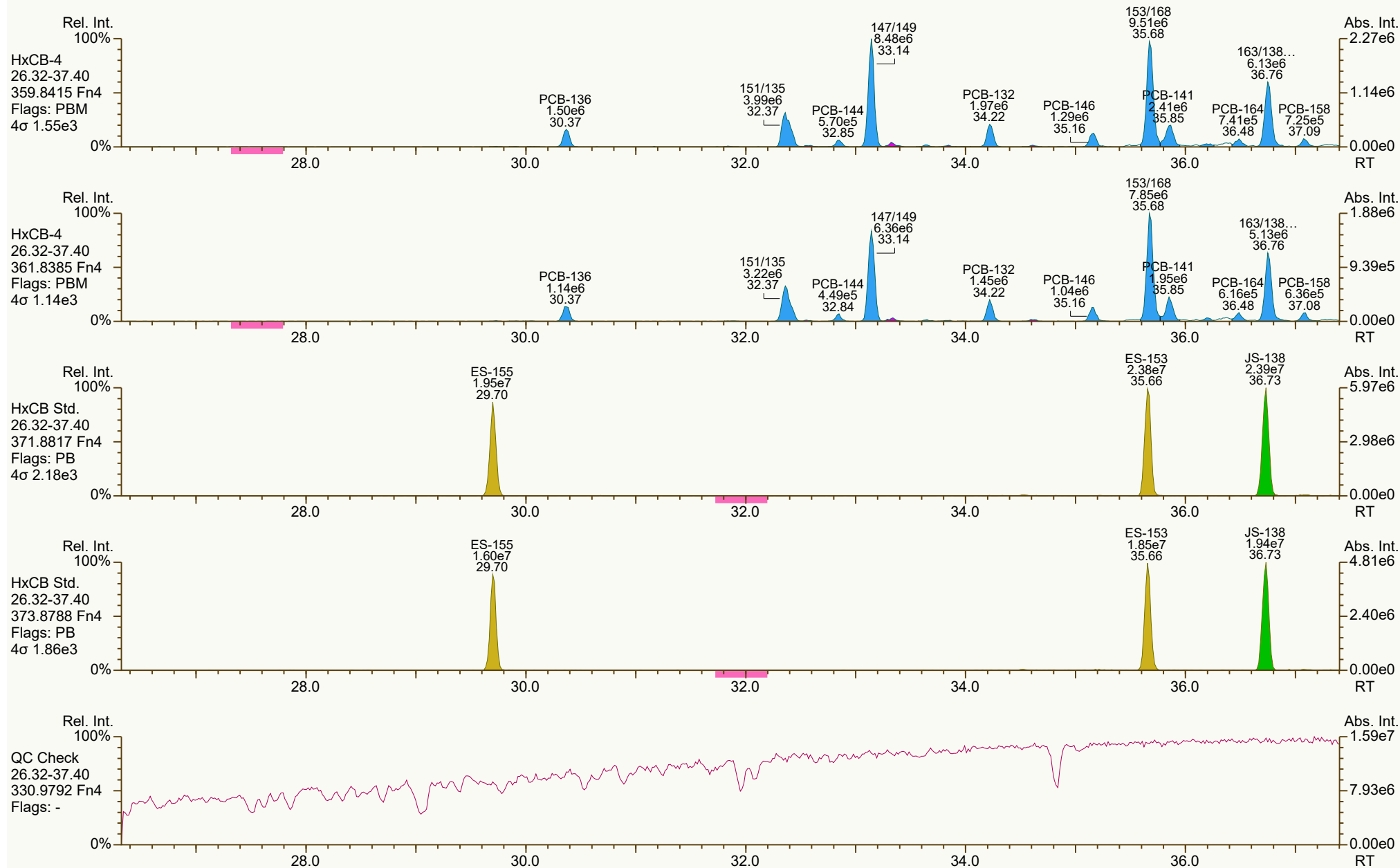
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8791, 2870 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 12 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



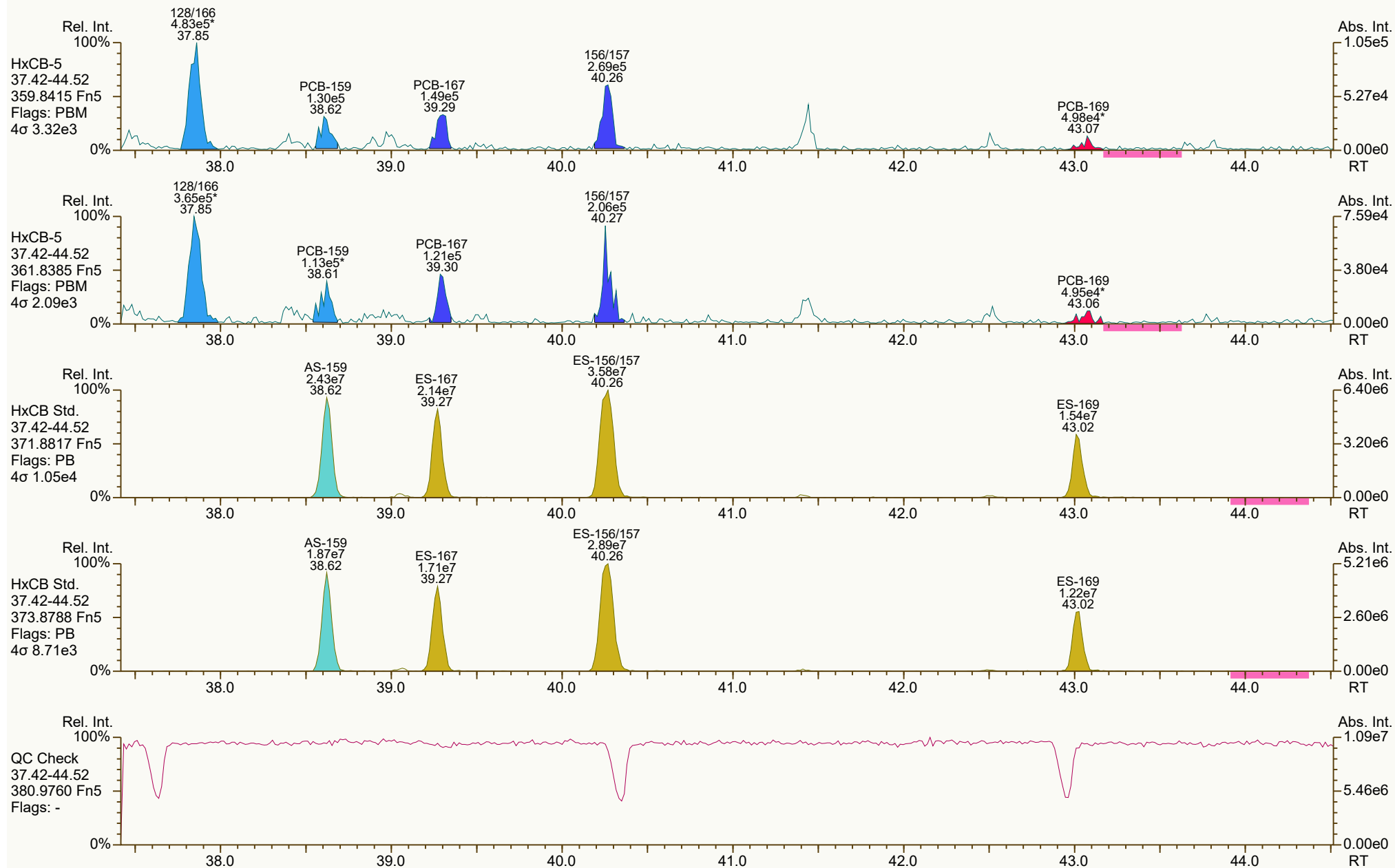
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1916, 5980 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 13 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



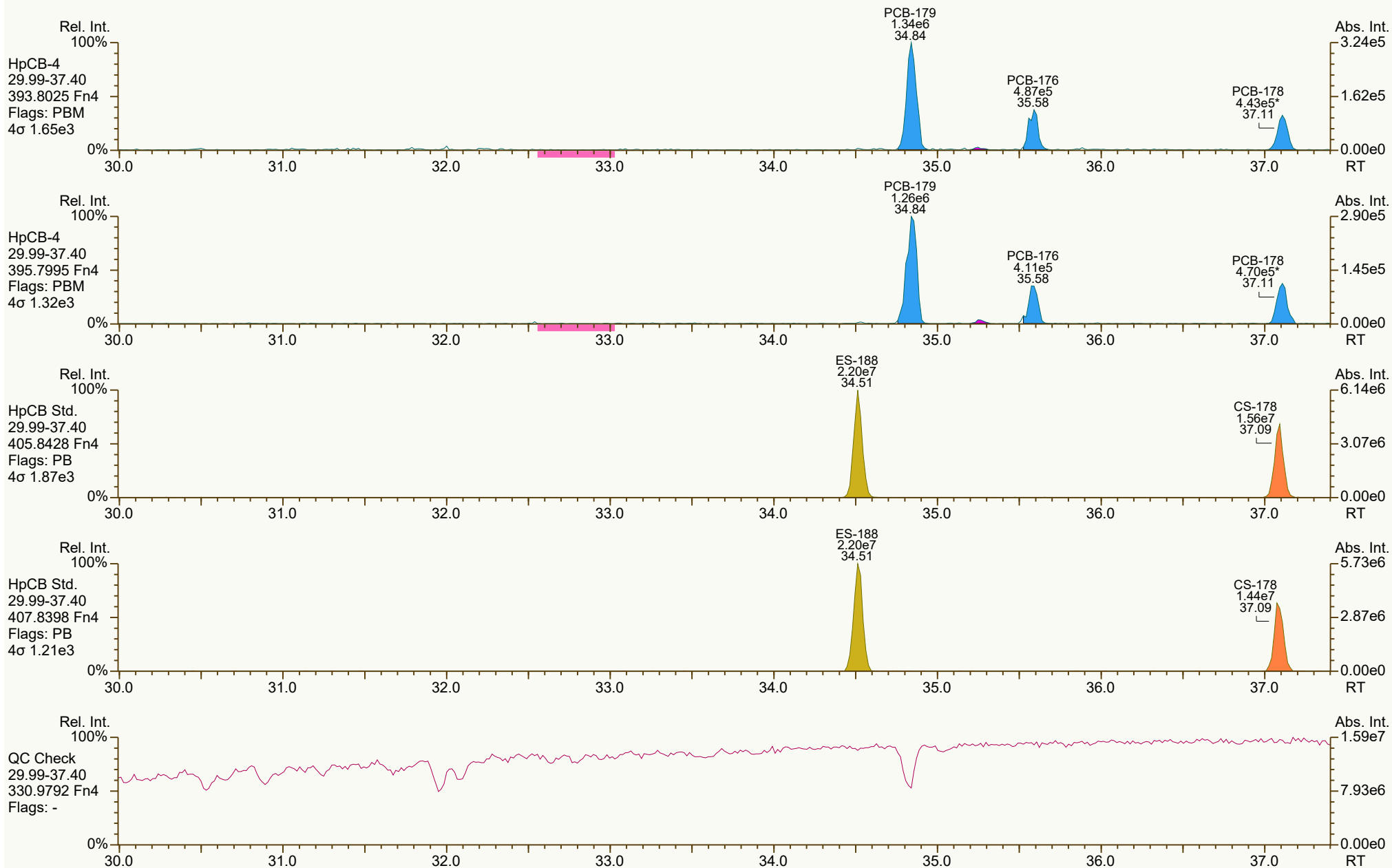
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1346, 4099 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 14 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



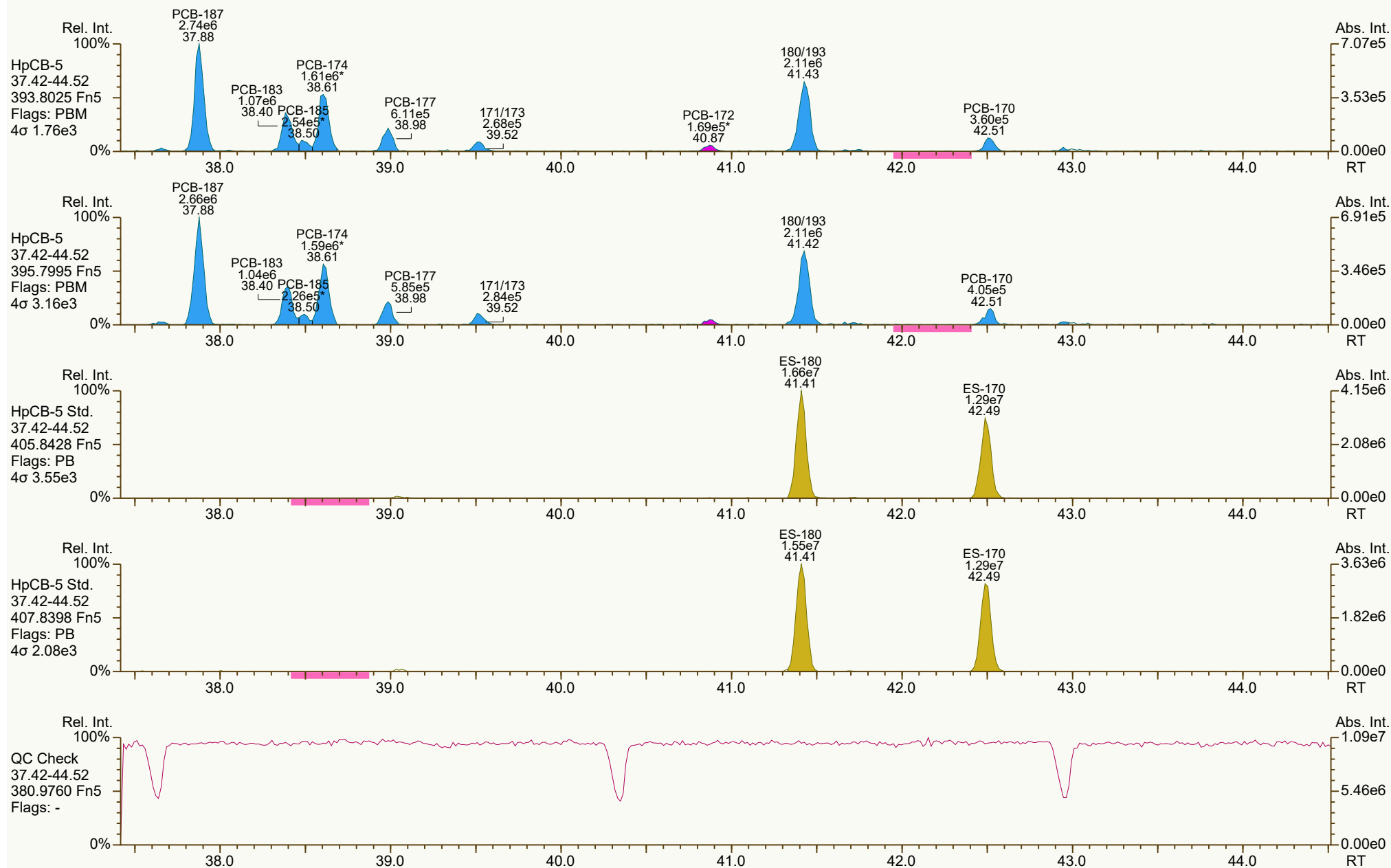
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5252, 4733 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 15 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



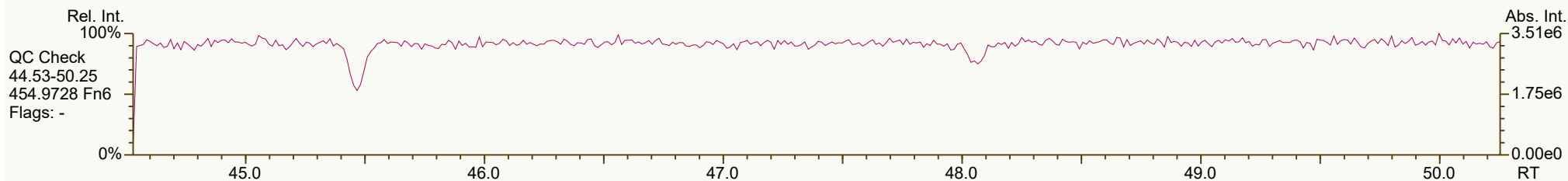
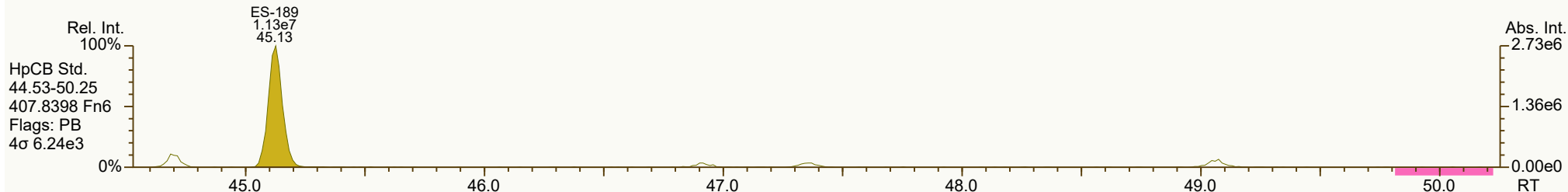
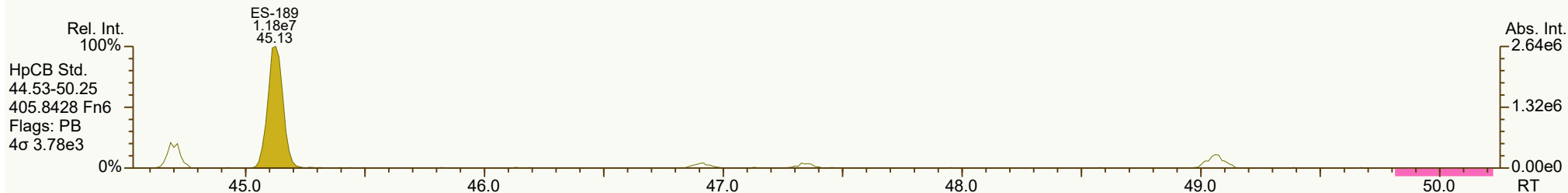
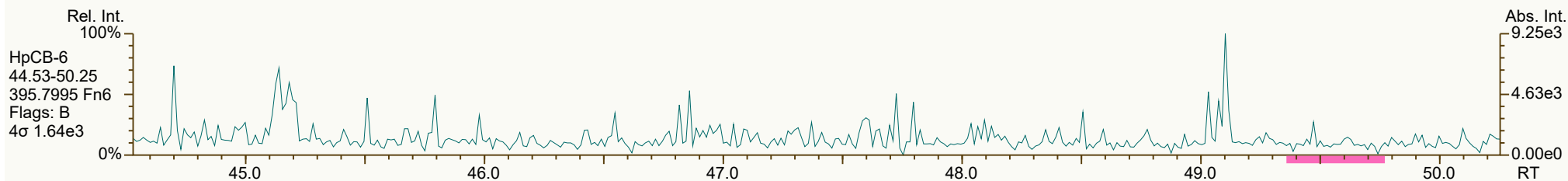
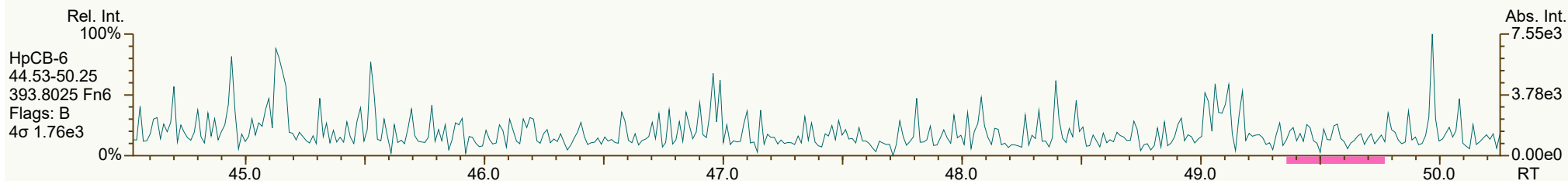
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2531, 5094 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 16 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



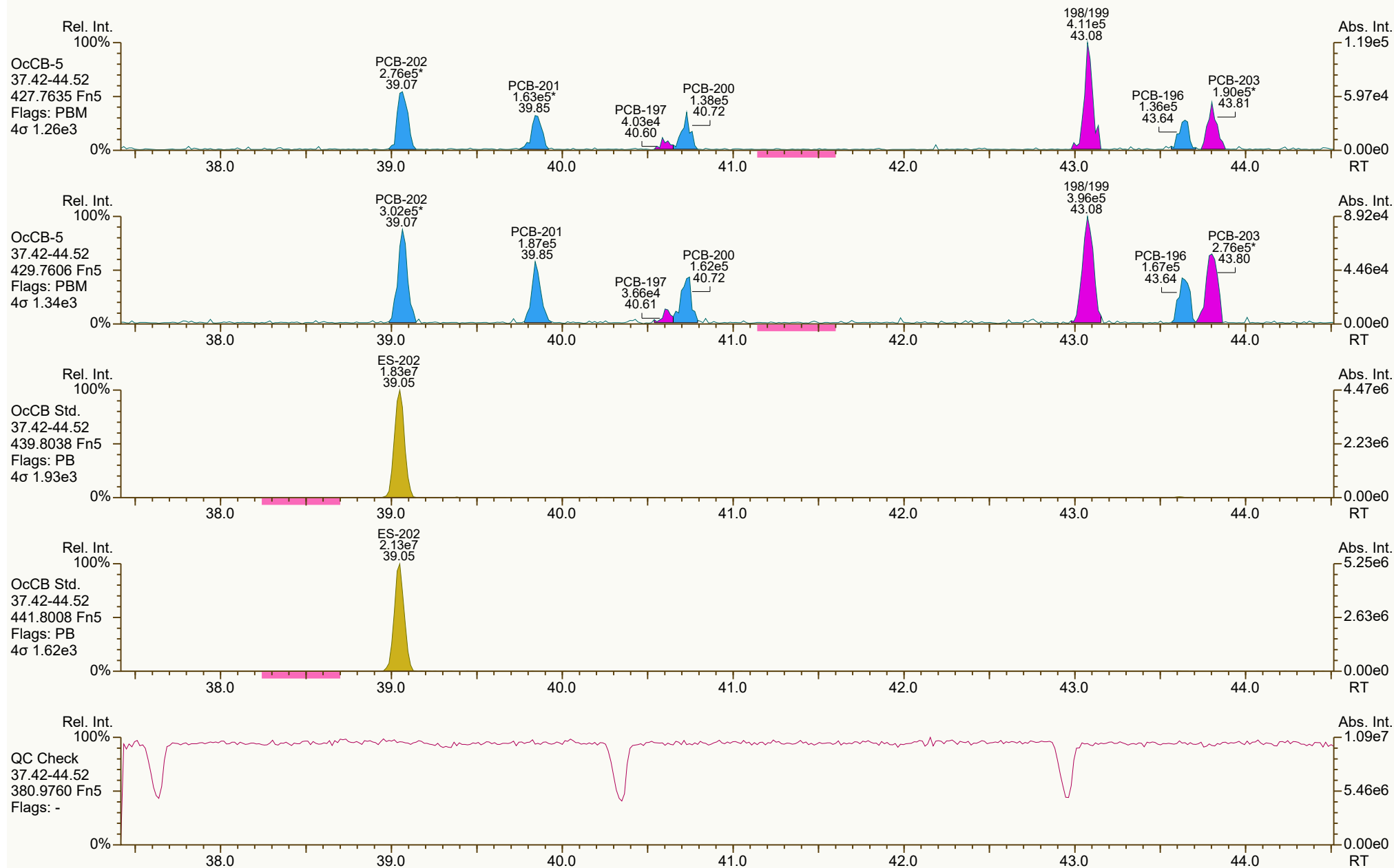
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0681, 9093 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 17 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



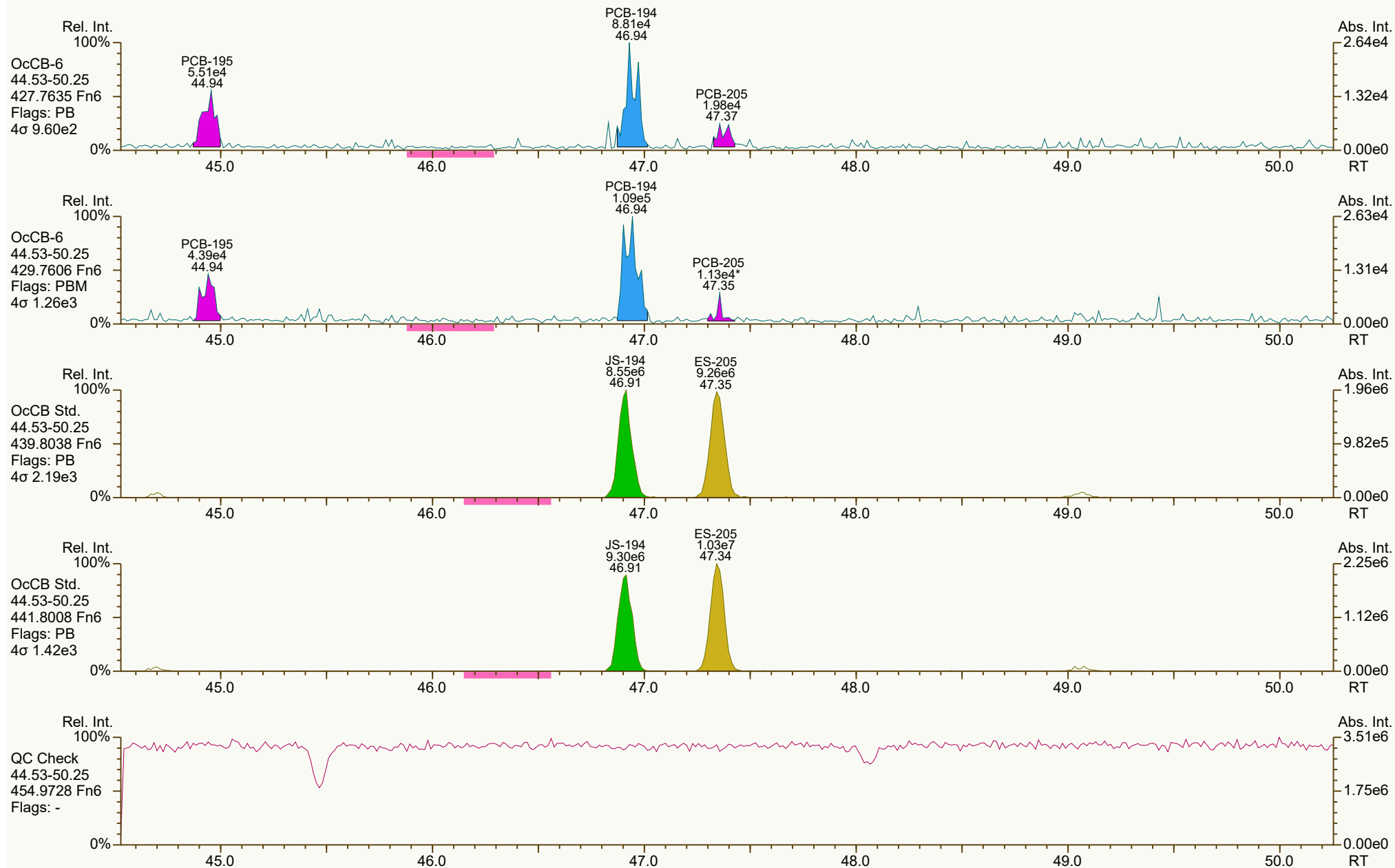
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3567, 3656 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 18 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



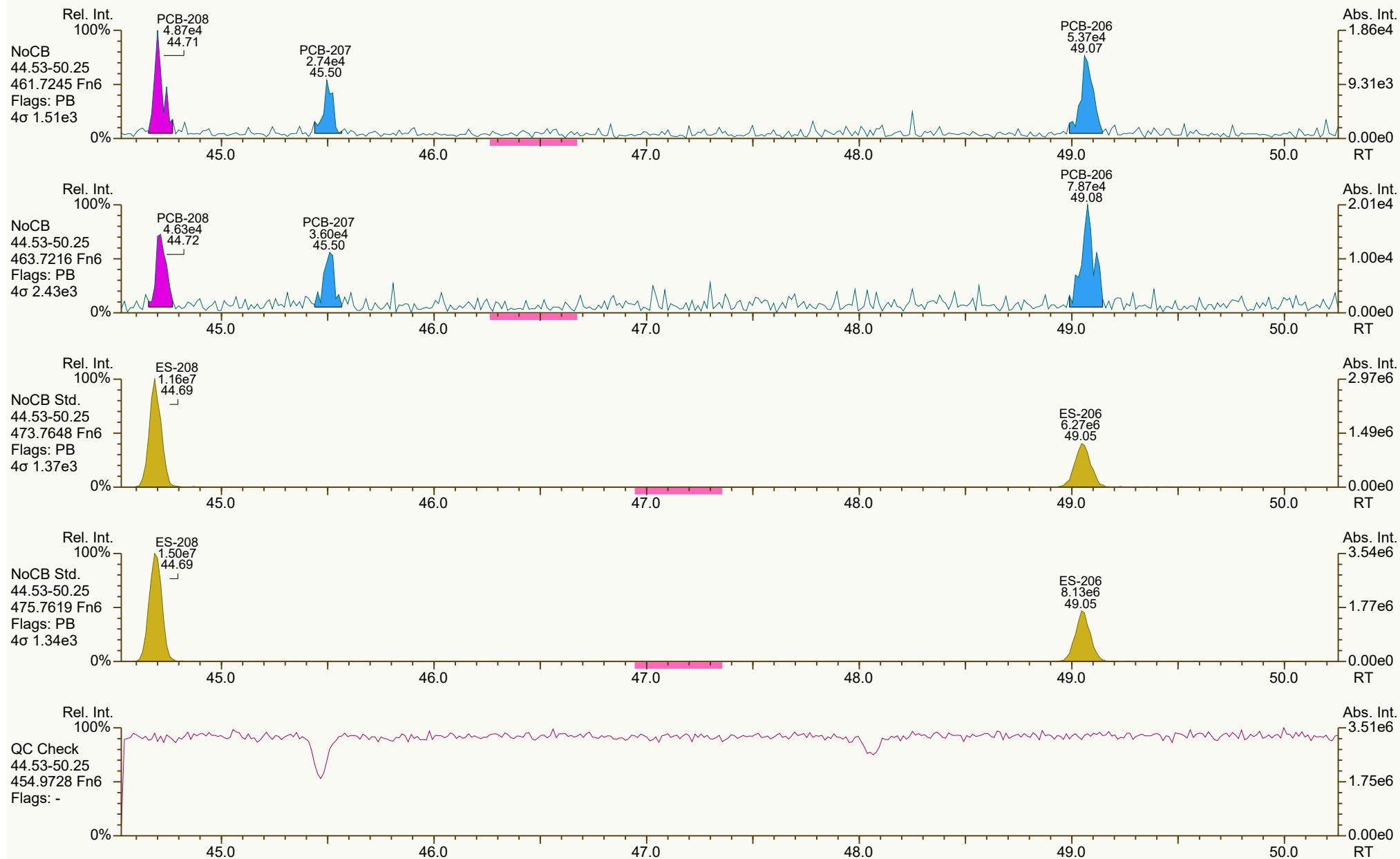
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1422, 2870 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 19 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



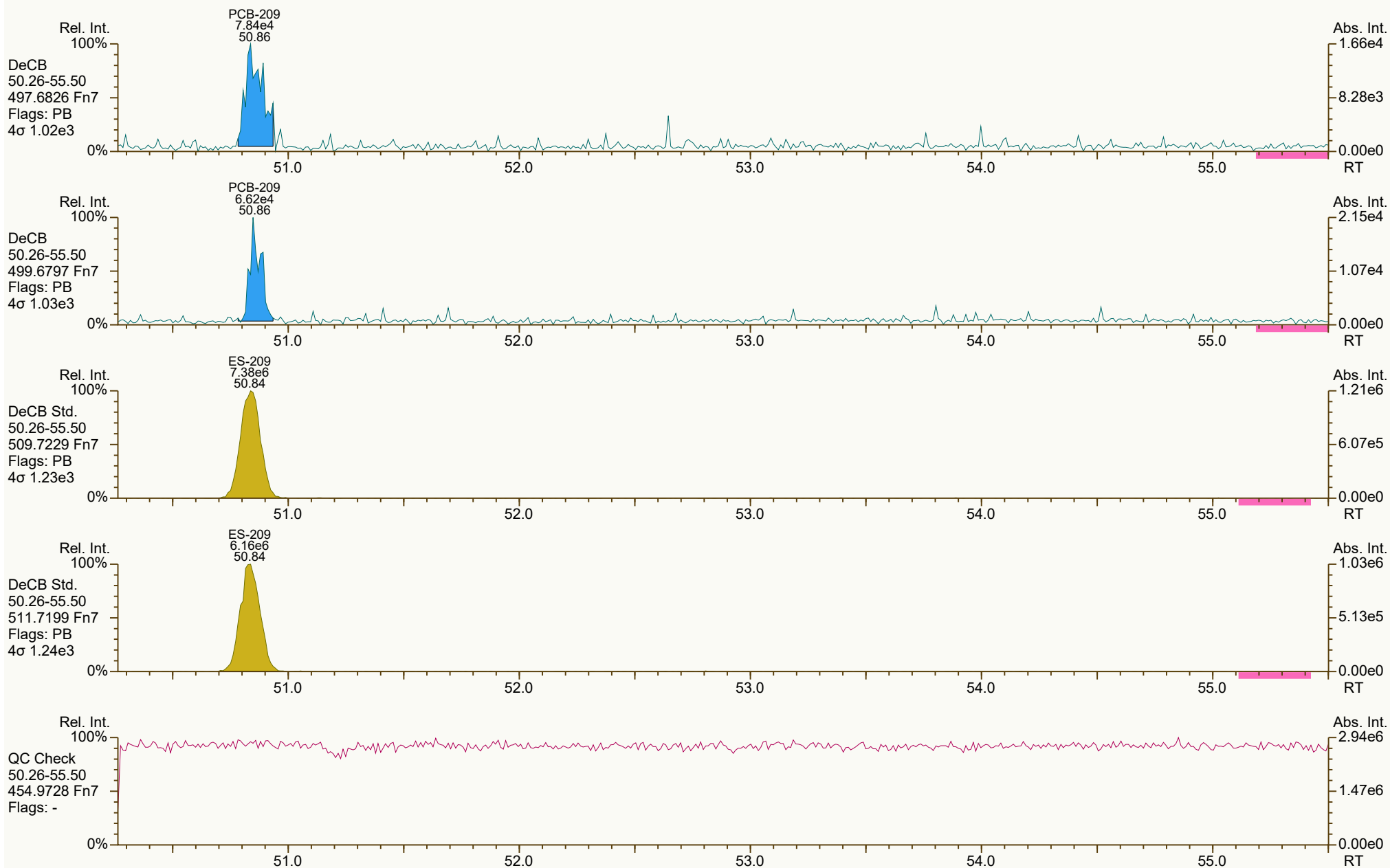
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2767, 5887 scc: 147-850

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 12:31 Printed: 11-Oct-2024 13:02 Page 20 of 21

SGS ID: B9847_21458_PCB_006
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 59

Acq: 08-Oct-2024 12:09:34
User: JLJ Datafile: 241007B20



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_006.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8496, 1160 scc: 147-850

Peak annotation: Areas, Centroids
Revised: 08-Oct-2024 15:02 (JLJ) Printed: 11-Oct-2024 13:02 Page 21 of 21

Lab ID: B9847_21458_PCB_007

ACQ: 08-Oct-2024 13:08:15 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill off

UTP: 11-Oct-2024 12:44:23 JLJ

J-level: 20 pg Split: 2

Checkcode: 911-724-SLM/C

Datafile: 241007B21

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.20		1.0006	1.0005	-0.2	6.06E+05	0.76	0.95	45.6	1.00E+04	7.24
PCB-81 344'5-TeCB	31.71	J EMPC	1.0005	1.0003	-0.4	9.87E+04	0.56	0.94	7.76	1.00E+04	8.61
PCB-105 233'44'-PeCB	35.14	B	1.0006	1.0007	+0.2	1.81E+06	0.63	0.97	117	1.80E+04	11.6
PCB-114 2344'5-PeCB	ND		1.0007					0.96	ND	1.80E+04	11.9
PCB-118 23'44'5-PeCB	34.13	B	1.0007	1.0008	+0.2	6.09E+06	0.58	0.99	372	1.80E+04	11.1
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	1.80E+04	12.4
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	8.21E+03	6.84
PCB-156/157 ...-HxCB	40.26	B C	1.0005	1.0000	-1.2	5.51E+05	1.21	0.96	45.3	4.76E+03	5.83
PCB-167 23'44'55'-HxCB	39.27	B	1.0005	1.0003	-0.5	3.14E+05	1.28	0.94	23.5	4.76E+03	3.94
PCB-169 33'44'55'-HxCB	43.07	J B EMPC	1.0005	1.0015	+2.6	5.65E+04	3.63	0.97	5.36	4.76E+03	5
PCB-189 233'44'55'-HpCB	45.13	J B EMPC	1.0004	1.0004	0	4.79E+04	1.21	0.93	5.93	3.41E+03	4.34
PCB-209 DeCB	50.85	J	1.0005	1.0006	+0.3	4.59E+04	1.11	0.95	9.66	1.83E+03	5.82
ES PCB-1	11.55		0.7219	0.7216	-0.2	1.03E+07	2.96	1.19	25.5 %	5%	145%
ES PCB-3	13.81		0.8628	0.8624	-0.3	1.59E+07	2.66	1.13	41.4 %	5%	145%
ES PCB-4	14.10		0.8777	0.8808	+2.6	8.62E+06	1.66	0.72	34.9 %	5%	145%
ES PCB-15	19.73		1.2345	1.2322	-2.7	1.60E+07	1.66	1.07	43.8 %	5%	145%
ES PCB-19	17.12		1.0688	1.0691	+0.3	1.16E+07	1.07	0.65	52.4 %	5%	145%
ES PCB-37	25.96		1.0824	1.0796	-4.4	2.07E+07	1.11	1.40	42 %	5%	145%
ES PCB-54	20.02		0.8288	0.8328	+4.8	5.93E+06	0.65	1.23	13.7 %	5%	145%
ES PCB-77	32.18		1.3483	1.3385	-18.9	5.60E+07	0.80	1.28	125 %	10%	145%
ES PCB-81	31.70		1.3278	1.3185	-17.7	5.39E+07	0.78	1.33	115 %	10%	145%
ES PCB-104	24.86		0.8278	0.8317	+5.8	2.46E+07	1.77	1.32	41.5 %	10%	145%
ES PCB-105	35.11		1.1779	1.1746	-7.0	6.40E+07	1.61	1.26	113 %	10%	145%
ES PCB-114	34.56		1.1590	1.1562	-5.8	6.54E+07	1.56	1.34	108 %	10%	145%
ES PCB-118	34.10		1.1434	1.1407	-5.5	6.63E+07	1.59	1.31	112 %	10%	145%
ES PCB-123	33.82		1.1339	1.1315	-4.9	6.27E+07	1.61	1.27	110 %	10%	145%
ES PCB-126	37.73		1.2663	1.2622	-9.3	5.15E+07	1.53	1.19	96.3 %	10%	145%
ES PCB-153	35.65		0.9706	0.9709	+0.6	6.05E+07	1.39	1.11	88.7 %	10%	145%
ES PCB-155	29.69		0.8059	0.8084	+4.5	5.14E+07	1.29	1.45	57.7 %	10%	145%
ES PCB-156/157	40.26	C	1.0967	1.0962	-1.2	1.01E+08	1.24	1.24	66.6 %	10%	145%
ES PCB-167	39.26		1.0695	1.0691	-0.9	5.70E+07	1.25	1.29	72.2 %	10%	145%
ES PCB-169	43.00		1.1714	1.1710	-1.0	4.35E+07	1.28	1.18	60.1 %	10%	145%
ES PCB-170	42.48		0.9058	0.9058	0	3.85E+07	1.03	1.06	145 %	10%	145%
ES PCB-180	41.40	V	0.8827	0.8827	0	4.76E+07	1.02	1.25	152 %	10%	145%
ES PCB-188	34.51		0.9393	0.9397	+0.8	5.79E+07	1.06	1.36	69.3 %	10%	145%
ES PCB-189	45.11		0.9619	0.9619	0	3.49E+07	1.05	1.37	101 %	10%	145%
ES PCB-202	39.04		1.0635	1.0630	-1.2	5.64E+07	0.84	1.19	77.1 %	10%	145%
ES PCB-205	47.33		1.0093	1.0093	0	2.96E+07	0.89	1.23	95.8 %	10%	145%
ES PCB-206	49.04		1.0458	1.0456	-0.6	2.15E+07	0.75	0.89	96.4 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.68		0.9528	0.9527	-0.3	3.76E+07	0.77	1.26	119 %	10%	145%
ES PCB-209	50.83		1.0840	1.0837	-0.9	1.99E+07	1.17	0.98	80.8 %	10%	145%
SS PCB-28	22.45		0.9324	0.9336	+1.6	1.77E+07	1.05	1.04	82.4 %	5%	145%
SS PCB-111	32.15		1.0771	1.0756	-2.9	4.71E+07	1.58	0.98	76.4 %	10%	145%
SS PCB-178	37.08		1.0099	1.0098	-0.2	3.79E+07	1.12	0.71	92.5 %	10%	145%
CS PCB-28	22.45		0.9324	0.9336	+1.6	1.77E+07	1.05	1.44	34.9 %	5%	145%
CS PCB-111	32.15		1.0771	1.0756	-2.9	4.71E+07	1.58	1.24	84.1 %	10%	145%
CS PCB-178	37.08		1.0099	1.0098	-0.2	3.79E+07	1.12	0.96	64.2 %	10%	145%
JS PCB-9	16.01					3.41E+07	1.56				
JS PCB-52	24.04					3.51E+07	0.85				
JS PCB-101	29.89					4.51E+07	1.63				
JS PCB-138	36.72					6.13E+07	1.26				
JS PCB-194	46.90					2.51E+07	0.91				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	1,850,000	1,850,000	378		
						Di-CB	144,000	144,000	95.9		
						Tri-CB	19,900	19,900	35.2		
						Tetra-CB	4,430	4,460	12.8		
						Penta-CB	2,510	4,990	9.84		
						Hexa-CB	5,400	5,530	4.13		
						Hepta-CB	2,280	2,470	4.51		
						Octa-CB	415	422	2.59		
						Nona-CB	23.9	28.4	8.55		

Lab ID: B9847_21458_PCB_007

ACQ: 08-Oct-2024 13:08:15 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill off

UTP: 11-Oct-2024 12:44:23 JLJ

J-level: 20 pg Split: 2

Checkcode: 911-724-SLM/C

Datafile: 241007B21

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.57	E	1.0012	1.0012	0	1.52E+09	3.06	1.01	586,000	5.13E+04	487
PCB-2 3-MoCB	13.64		0.9879	0.9881	+0.2	3.55E+09	3.07	1.02	874,000	5.13E+04	268
PCB-3 4-MoCB	13.82		1.0010	1.0010	0	1.57E+09	3.07	1.01	389,000	5.13E+04	269
PCB-4 22'-DiCB	14.12		1.0012	1.0010	-0.2	1.20E+07	1.55	0.98	5,670	8.42E+03	39.8
PCB-10 26-DiCB	14.25		1.0136	1.0106	-2.6	5.74E+06	1.57	1.39	1,920	8.42E+03	28.2
PCB-9 25-DiCB	16.03		1.0010	1.0011	+0.1	4.36E+07	1.54	0.90	12,200	2.49E+04	164
PCB-7 24-DiCB	16.18		1.0112	1.0103	-0.9	3.44E+07	1.57	0.83	10,400	2.49E+04	178
PCB-6 23'-DiCB	16.42		1.0259	1.0253	-0.6	1.07E+08	1.53	0.96	27,800	2.49E+04	152
PCB-5 23-DiCB	16.76		1.0445	1.0466	+2.1	1.50E+07	1.50	0.79	4,750	2.49E+04	186
PCB-8 24'-DiCB	16.87		1.0520	1.0537	+1.7	3.64E+07	1.60	1.04	8,800	2.49E+04	142
PCB-14 35-DiCB	18.40		0.9307	0.9326	+2.1	4.25E+07	1.52	0.81	13,100	2.49E+04	181
PCB-11 33'-DiCB	19.17		0.9711	0.9715	+0.5	8.74E+07	1.55	0.90	24,400	2.49E+04	164
PCB-13/12 34'/34-DiCB	19.44	C	0.9858	0.9855	-0.3	1.06E+08	1.53	0.82	32,500	2.49E+04	179
PCB-15 44'-DiCB	19.75		1.0007	1.0012	+0.6	9.37E+06	1.53	0.97	2,420	2.49E+04	152
PCB-19 22'6-TrCB	17.14	B	1.0011	1.0012	+0.1	1.25E+06	1.13	1.03	419	6.13E+03	33.2
PCB-30/18 246/22'5-TrCB	18.89	C	1.1030	1.1035	+0.6	1.09E+07	1.11	1.48	2,550	6.13E+03	23.3
PCB-17 22'4-TrCB	19.26		1.1270	1.1250	-2.3	5.74E+06	1.12	1.03	1,930	6.13E+03	33.5
PCB-27 23'6-TrCB	19.44		1.1387	1.1359	-3.3	1.78E+06	0.96	1.42	433	6.13E+03	24.2
PCB-24 236-TrCB	19.65		1.1462	1.1479	+2.0	3.46E+06	0.99	1.43	835	6.13E+03	24
PCB-16 22'3-TrCB	ND		1.1524					1.03	ND	6.13E+03	33.5
PCB-32 24'6-TrCB	20.18	B	1.1803	1.1789	-1.7	2.15E+06	1.06	1.59	467	6.13E+03	21.6
PCB-34 23'5'-TrCB	21.28		0.8163	0.8198	+4.5	2.25E+06	1.06	0.95	457	1.81E+04	40.2
PCB-23 235-TrCB	21.43		0.8218	0.8255	+4.8	1.03E+06	1.05	0.97	204	1.81E+04	39.4
PCB-26/29 23'5/245-TrCB	21.73	C	0.8330	0.8372	+5.5	7.46E+06	1.01	0.96	1,500	1.81E+04	39.9
PCB-25 23'4-TrCB	21.93		0.8409	0.8447	+5.0	5.21E+06	1.01	1.19	847	1.81E+04	32.2
PCB-31 24'5-TrCB	22.20		0.8517	0.8552	+4.7	1.04E+07	1.06	1.16	1,740	1.81E+04	33.1
PCB-28/20 244'/233'-TrCB	22.47	C	0.8626	0.8657	+4.2	1.10E+07	0.98	1.06	2,010	1.81E+04	36.3
PCB-21/33 234/23'4'-TrCB	22.66	C	0.8696	0.8729	+4.5	9.97E+06	1.02	1.04	1,860	1.81E+04	36.9
PCB-22 234'-TrCB	23.05		0.8845	0.8878	+4.6	2.98E+06	0.98	1.11	518	1.81E+04	34.4
PCB-36 33'5-TrCB	24.38		0.9378	0.9392	+2.0	3.09E+06	1.00	1.15	520	1.81E+04	33.3
PCB-39 34'5-TrCB	24.70		0.9504	0.9517	+1.9	1.65E+06	1.04	1.02	313	1.81E+04	37.5
PCB-38 345-TrCB	25.21		0.9706	0.9713	+1.1	9.11E+06	1.03	1.05	1,670	1.81E+04	36.4
PCB-35 33'4-TrCB	25.62		0.9865	0.9870	+0.8	6.57E+06	1.01	0.99	1,280	1.81E+04	38.7
PCB-37 344'-TrCB	25.98		1.0007	1.0007	0	1.62E+06	0.97	1.03	304	1.81E+04	37.1
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	4.35E+03	41.5
PCB-50/53 22'46/22'56'-TeCB	21.95	B C	0.9120	0.9130	+1.3	1.60E+06	0.77	0.93	128	4.08E+03	3.57
PCB-45 22'36'-TeCB	22.55	B	0.9369	0.9377	+1.1	1.50E+06	0.78	0.78	143	4.08E+03	4.22
PCB-51 22'46'-TeCB	22.61	B	0.9395	0.9405	+1.4	5.68E+05	0.85	0.94	45.1	4.08E+03	3.53
PCB-46 22'36'-TeCB	22.82	B	0.9488	0.9491	+0.4	3.78E+05	0.76	0.74	37.8	4.08E+03	4.45
PCB-52 22'55'-TeCB	24.07	B	1.0010	1.0009	-0.1	1.20E+07	0.81	1.02	872	4.08E+03	3.23
PCB-73 23'5'6'-TeCB	24.18	J EMPC	1.0061	1.0055	-0.9	1.88E+05	1.02	1.27	11	4.08E+03	2.6

Lab ID: B9847_21458_PCB_007

ACQ: 08-Oct-2024 13:08:15 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill off

UTP: 11-Oct-2024 12:44:23 JLJ

J-level: 20 pg Split: 2

Checkcode: 911-724-SLM/C

Datafile: 241007B21

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.26	B	1.0100	1.0091	-1.3	5.81E+05	0.76	0.91	47.6	4.08E+03	3.65
PCB-69/49 23'46/22'45'-TeCB	24.48	B C	1.0181	1.0183	+0.3	5.24E+06	0.77	1.06	367	4.08E+03	3.12
PCB-48 22'45'-TeCB	24.72	B	1.0299	1.0282	-2.5	1.81E+06	0.77	0.89	152	4.08E+03	3.73
PCB-44/47/65 ...-TeCB	24.94	B C	1.0391	1.0372	-2.8	1.13E+07	0.77	1.02	824	4.08E+03	3.25
PCB-59/62/75 ...-TeCB	25.22	B C	1.0505	1.0487	-2.7	1.36E+06	0.75	1.17	86.4	4.08E+03	2.83
PCB-42 22'34'-TeCB	25.39	B	1.0580	1.0561	-2.9	1.52E+06	0.80	0.80	141	4.08E+03	4.13
PCB-41 22'34'-TeCB	25.72		1.0720	1.0696	-3.7	8.61E+05	0.75	0.71	90	4.08E+03	4.65
PCB-71/40 23'4'6/22'33'-TeCB	25.81	B C	1.0761	1.0733	-4.3	4.04E+06	0.78	0.98	307	4.08E+03	3.38
PCB-64 234'6'-TeCB	26.01	B	1.0844	1.0818	-4.1	1.44E+06	0.79	1.20	89.6	4.08E+03	2.76
PCB-72 23'55'-TeCB	26.71		0.8391	0.8426	+5.6	4.42E+05	0.88	1.06	31	1.00E+04	7.68
PCB-68 23'45'-TeCB	26.96	B	0.8471	0.8503	+5.2	6.37E+05	0.75	0.98	48.4	1.00E+04	8.31
PCB-57 233'5'-TeCB	27.33		0.8589	0.8620	+5.1	2.84E+05	0.71	1.01	20.9	1.00E+04	8.05
PCB-58 233'5'-TeCB	ND		0.8655					1.12	ND	1.00E+04	7.28
PCB-67 23'45'-TeCB	27.53	J EMPC	0.8702	0.8684	-3.0	1.49E+05	0.58	1.18	9.41	1.00E+04	6.91
PCB-63 234'5'-TeCB	ND		0.8775					0.91	ND	1.00E+04	8.92
PCB-61/70/74/76 ...-TeCB	28.19	B C	0.8867	0.8892	+4.2	7.41E+06	0.79	1.05	525	1.00E+04	7.76
PCB-66 23'44'-TeCB	28.46	B	0.8958	0.8977	+3.2	3.58E+06	0.80	1.04	255	1.00E+04	7.79
PCB-55 233'4'-TeCB	28.60	J	0.9006	0.9023	+2.9	2.23E+05	0.84	1.10	15	1.00E+04	7.39
PCB-56 233'4'-TeCB	29.04	B	0.9145	0.9159	+2.4	9.65E+05	0.71	1.02	70	1.00E+04	7.93
PCB-60 2344'-TeCB	29.23	B	0.9206	0.9220	+2.5	7.56E+05	0.75	0.88	63.5	1.00E+04	9.2
PCB-80 33'55'-TeCB	ND		0.9306					1.02	ND	1.00E+04	8.01
PCB-79 33'45'-TeCB	30.86		0.9730	0.9733	+0.6	3.57E+05	0.75	1.15	23	1.00E+04	7.05
PCB-78 33'45'-TeCB	31.35	J EMPC	0.9884	0.9888	+0.8	1.07E+05	0.47	0.92	8.59	1.00E+04	8.82
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.68E+03	5.08
PCB-96 22'366'-PeCB	25.22	J	1.0146	1.0143	-0.5	9.64E+04	0.67	0.97	16.2	2.68E+03	5.25
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	1.80E+04	15.7
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	1.80E+04	18.7
PCB-95 22'35'6'-PeCB	27.44	B EMPC	0.9159	0.9179	+3.3	5.50E+06	0.72	0.72	484	1.80E+04	16.5
PCB-100/93 22'44'6/22'356'-PeCB	27.57	J B EMPC C	0.9223	0.9224	+0.2	1.90E+05	3.17	0.72	16.9	1.80E+04	16.6
PCB-102 22'456'-PeCB	ND		0.9261					0.84	ND	1.80E+04	14.2
PCB-98 22'34'6'-PeCB	ND		0.9284					0.84	ND	1.80E+04	14.2
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	1.80E+04	17.3
PCB-91 22'34'6'-PeCB	28.17	B	0.9411	0.9422	+1.9	6.21E+05	0.61	0.73	54.2	1.80E+04	16.3
PCB-84 22'33'6'-PeCB	28.36	B EMPC	0.9479	0.9488	+1.5	1.29E+06	0.86	0.61	135	1.80E+04	19.5
PCB-89 22'346'-PeCB	28.77	J EMPC	0.9617	0.9626	+1.6	9.23E+04	0.84	0.73	8.05	1.80E+04	16.3
PCB-121 23'45'6'-PeCB	29.14	J EMPC	0.9725	0.9747	+3.8	1.27E+05	0.21	1.10	7.37	1.80E+04	10.9
PCB-92 22'355'-PeCB	29.42	B	0.9838	0.9842	+0.7	1.46E+06	0.57	0.68	137	1.80E+04	17.6
PCB-113/90/101 ...-PeCB	29.92	B C	1.0000	1.0007	+1.3	1.38E+07	0.57	0.81	1,090	1.80E+04	14.8
PCB-83 22'33'5'-PeCB	30.37	EMPC	1.0148	1.0160	+2.2	9.34E+06	0.48	0.54	1,100	1.80E+04	22
PCB-99 22'44'5'-PeCB	ND		1.0176					0.99	ND	1.80E+04	12
PCB-112 233'56'-PeCB	ND		1.0213					1.14	ND	1.80E+04	10.5

Lab ID: B9847_21458_PCB_007

ACQ: 08-Oct-2024 13:08:15 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill off

UTP: 11-Oct-2024 12:44:23 JLJ

J-level: 20 pg Split: 2

Checkcode: 911-724-SLM/C

Datafile: 241007B21

RPT: 11-Oct-2024 12:56 JJ

Stds (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.90	B EMPC C	1.0330	1.0336	+1.1	9.93E+06	0.52	0.88	723	1.80E+04	13.6
PCB-117 234'56-PeCB	31.46		1.0509	1.0523	+2.6	1.03E+06	0.55	0.85	77.4	1.80E+04	14
PCB-116/85 23456/22'344'-PeCB	ND	C	1.0538					0.84	ND	1.80E+04	14.2
PCB-110 233'4'6-PeCB	31.60	B	1.0582	1.0569	-2.5	9.29E+06	0.63	1.09	542	1.80E+04	10.9
PCB-115 2344'6-PeCB	ND		1.0605					1.03	ND	1.80E+04	11.5
PCB-82 22'33'4-PeCB	31.88	B	1.0679	1.0663	-3.1	5.17E+05	0.56	0.69	47.8	1.80E+04	17.3
PCB-111 233'55'-PeCB	ND		1.0779					0.95	ND	1.80E+04	12.5
PCB-120 23'455'-PeCB	ND		1.0913					1.15	ND	1.80E+04	10.4
PCB-108/124 ...-PeCB	33.54	J C	0.9915	0.9916	+0.2	3.63E+05	0.54	0.91	25.3	1.80E+04	13.1
PCB-107 233'4'5-PeCB	33.75	B	0.9976	0.9978	+0.4	4.98E+05	0.68	1.00	31.7	1.80E+04	11.9
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	1.80E+04	12.5
PCB-122 233'4'5'-PeCB	ND		1.0095					0.76	ND	1.80E+04	15.1
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	1.80E+04	11.8
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	2.21E+03	1.76
PCB-152 22'3566'-HxCB	29.91	J	1.0072	1.0075	+0.5	2.64E+04	1.14	0.98	2.1	2.21E+03	1.71
PCB-150 22'34'66'-HxCB	30.03	J EMPC	1.0118	1.0114	-0.7	4.08E+04	1.71	0.84	3.77	2.21E+03	1.99
PCB-136 22'33'66'-HxCB	30.35	B	1.0228	1.0225	-0.5	2.58E+06	1.23	0.79	254	2.21E+03	2.11
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	2.21E+03	1.84
PCB-148 22'34'56'-HxCB	ND		1.0741					0.91	ND	2.21E+03	1.65
PCB-151/135 ...-HxCB	32.36	B C	1.0925	1.0902	-4.5	7.27E+06	1.35	0.89	541	2.21E+03	1.7
PCB-154 22'44'56'-HxCB	32.56	J EMPC	1.0987	1.0969	-3.5	1.53E+05	1.51	0.95	10.6	2.21E+03	1.58
PCB-144 22'345'6-HxCB	32.84		1.1082	1.1061	-4.1	1.09E+06	1.26	0.87	82.8	2.21E+03	1.73
PCB-147/149 ...-HxCB	33.14	B C	1.1186	1.1162	-4.8	1.55E+07	1.35	0.96	1,070	2.21E+03	1.58
PCB-134 22'33'56-HxCB	33.32	B EMPC	1.1248	1.1224	-4.8	4.47E+05	1.53	0.71	41.5	2.21E+03	2.12
PCB-143 22'3456'-HxCB	ND		1.1273					0.85	ND	2.21E+03	1.78
PCB-139/140 ...-HxCB	33.64	J B C	1.1359	1.1332	-5.4	1.56E+05	1.13	0.93	11.1	2.21E+03	1.63
PCB-131 22'33'46-HxCB	33.83	J EMPC	1.1421	1.1395	-5.3	1.21E+05	1.51	0.80	9.91	2.21E+03	1.88
PCB-142 22'3456-HxCB	ND		1.1468					0.78	ND	2.21E+03	1.93
PCB-132 22'33'46'-HxCB	34.22	B	1.1554	1.1526	-5.7	3.36E+06	1.22	0.81	275	2.21E+03	1.87
PCB-133 22'33'55'-HxCB	34.61	J EMPC	1.1687	1.1659	-5.8	2.00E+05	0.96	0.90	14.7	2.21E+03	1.68
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	2.21E+03	1.51
PCB-146 22'34'55'-HxCB	35.16	B	0.9569	0.9573	+0.8	2.42E+06	1.30	1.00	161	2.21E+03	1.52
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	2.21E+03	1.27
PCB-153/168 ...-HxCB	35.67	C	0.9717	0.9714	-0.6	2.15E+07	1.28	1.09	1,310	2.21E+03	1.39
PCB-141 22'3455'-HxCB	35.85		0.9761	0.9762	+0.2	4.22E+06	1.41	0.79	354	2.21E+03	1.92
PCB-130 22'33'45'-HxCB	36.20	EMPC	0.9856	0.9857	+0.2	4.96E+05	1.06	0.67	49.2	2.21E+03	2.26
PCB-137 22'344'5-HxCB	36.37		0.9907	0.9903	-0.9	3.83E+05	1.29	0.71	35.4	2.21E+03	2.12
PCB-164 233'4'5'6-HxCB	36.47		0.9933	0.9932	-0.2	1.20E+06	1.36	1.18	67.4	2.21E+03	1.28
PCB-163/138/129 ...-HxCB	36.75	B C	1.0011	1.0007	-0.9	1.27E+07	1.20	0.85	988	2.21E+03	1.78
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	2.21E+03	1.52
PCB-158 233'44'6-HxCB	37.08	B	1.0097	1.0097	0	1.48E+06	1.18	1.09	89.8	2.21E+03	1.39

Lab ID: B9847_21458_PCB_007

ACQ: 08-Oct-2024 13:08:15 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Test #3 Mill off

UTP: 11-Oct-2024 12:44:23 JLJ

J-level: 20 pg Split: 2

Checkcode: 911-724-SLM/C

Datafile: 241007B21

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.85	B C	0.9631	0.9641	+2.3	9.55E+05	1.33	0.90	74.6	4.76E+03	4.11
PCB-159 233'455'-HxCB	38.61	J	0.9839	0.9835	-0.9	2.39E+05	1.27	1.13	14.8	4.76E+03	3.26
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	4.76E+03	3.9
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.45E+03	1.88
PCB-179 22'33'566'-HpCB	34.84	B	1.0095	1.0094	-0.2	2.39E+06	1.13	1.02	161	2.45E+03	1.77
PCB-184 22'344'66'-HpCB	ND		1.0221					0.95	ND	2.45E+03	1.9
PCB-176 22'33'466'-HpCB	35.58		1.0313	1.0310	-0.6	1.02E+06	1.08	0.86	81.8	2.45E+03	2.11
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	2.45E+03	1.76
PCB-178 22'33'55'6'-HpCB	37.10	EMPC	1.0758	1.0751	-1.6	9.55E+05	0.86	0.66	99.4	2.45E+03	2.73
PCB-175 22'33'45'6'-HpCB	37.64	J	1.0915	1.0906	-2.0	2.06E+05	0.97	0.97	17.8	6.03E+03	5.55
PCB-187 22'34'55'6'-HpCB	37.87		1.0982	1.0974	-1.8	7.01E+06	1.04	1.21	486	6.03E+03	4.46
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	6.03E+03	4.61
PCB-183 22'344'5'6'-HpCB	38.39		1.1133	1.1124	-2.1	2.92E+06	1.00	1.00	245	6.03E+03	5.38
PCB-185 22'3455'6'-HpCB	38.49	EMPC	1.1161	1.1152	-2.1	5.42E+05	1.23	0.94	48.3	6.03E+03	5.73
PCB-174 22'33'456'-HpCB	38.60		1.1195	1.1185	-2.3	4.10E+06	1.11	1.02	338	6.03E+03	5.29
PCB-177 22'33'45'6'-HpCB	38.97		1.1304	1.1294	-2.3	1.80E+06	1.11	0.98	154	6.03E+03	5.5
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	6.03E+03	5.23
PCB-171/173 ...-HpCB	39.51	C	1.1458	1.1449	-2.1	7.57E+05	1.11	0.88	72	6.03E+03	6.12
PCB-172 22'33'455'-HpCB	40.86	EMPC	0.9058	0.9057	-0.2	3.66E+05	1.36	0.86	35.8	6.03E+03	6.28
PCB-192 233'455'6'-HpCB	ND		0.9112					1.22	ND	6.03E+03	4.44
PCB-180/193 ...-HpCB	41.41	C	0.9175	0.9180	+1.2	6.50E+06	1.05	1.01	540	6.03E+03	5.34
PCB-191 233'44'5'6'-HpCB	41.72	J	0.9247	0.9247	0	1.11E+05	1.18	1.05	8.91	6.03E+03	5.17
PCB-170 22'33'44'5'-HpCB	42.50		0.9422	0.9420	-0.5	1.31E+06	0.91	0.93	146	6.03E+03	6.88
PCB-190 233'44'56-HpCB	42.95		0.9521	0.9521	0	3.37E+05	1.10	1.27	27.6	6.03E+03	5.07
PCB-202 22'33'55'66'-OcCB	39.06		1.0006	1.0005	-0.2	5.92E+05	0.84	0.96	43.9	2.49E+03	1.9
PCB-201 22'33'45'66'-OcCB	39.84		1.0206	1.0205	-0.2	3.74E+05	0.80	0.79	33.5	2.49E+03	2.3
PCB-204 22'344'566'-OcCB	ND		1.0353					0.91	ND	2.49E+03	2
PCB-197 22'33'44'66'-OcCB	40.60	J EMPC	1.0403	1.0400	-0.7	8.00E+04	1.20	0.83	6.83	2.49E+03	2.19
PCB-200 22'33'4566'-OcCB	40.72		1.0430	1.0430	0	3.10E+05	0.77	0.81	27.3	2.49E+03	2.26
PCB-198/199 ...-OcCB	43.07	C	1.1028	1.1032	+1.0	9.87E+05	0.95	0.63	110	2.49E+03	2.87
PCB-196 22'33'44'56'-OcCB	43.62		1.1176	1.1174	-0.5	4.47E+05	0.93	0.54	58.3	2.49E+03	3.34
PCB-203 22'344'55'6'-OcCB	43.79		1.1219	1.1218	-0.3	6.54E+05	0.94	0.67	69.4	2.49E+03	2.72
PCB-195 22'33'44'56-OcCB	44.93		0.9493	0.9493	0	1.70E+05	1.02	0.91	25.3	1.90E+03	3.33
PCB-194 22'33'44'55'-OcCB	46.92		0.9912	0.9913	+0.3	3.00E+05	0.89	0.86	47.2	1.90E+03	3.52
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	1.90E+03	3.28
PCB-208 22'33'455'66'-NoCB	44.70	J	1.0005	1.0005	0	7.80E+04	0.69	0.96	8.66	4.58E+03	5.23
PCB-207 22'33'44'566'-NoCB	45.49	J EMPC	1.0181	1.0181	0	3.67E+04	1.06	0.87	4.48	4.58E+03	5.76
PCB-206 22'33'44'55'6'-NoCB	49.06	J	1.0005	1.0005	0	7.57E+04	0.72	0.93	15.2	4.58E+03	11.9
AS PCB-32	20.178	V	1.2602	1.2602	0	1.12E+07	1.06	0.84	39 %	50%	150%
AS PCB-97	30.817		1.0318	1.0309	-1.7	3.57E+07	1.56	0.85	92.8 %	50%	150%
AS PCB-159	38.613		1.0518	1.0515	-0.7	5.93E+07	1.23	1.16	83.5 %	50%	150%

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



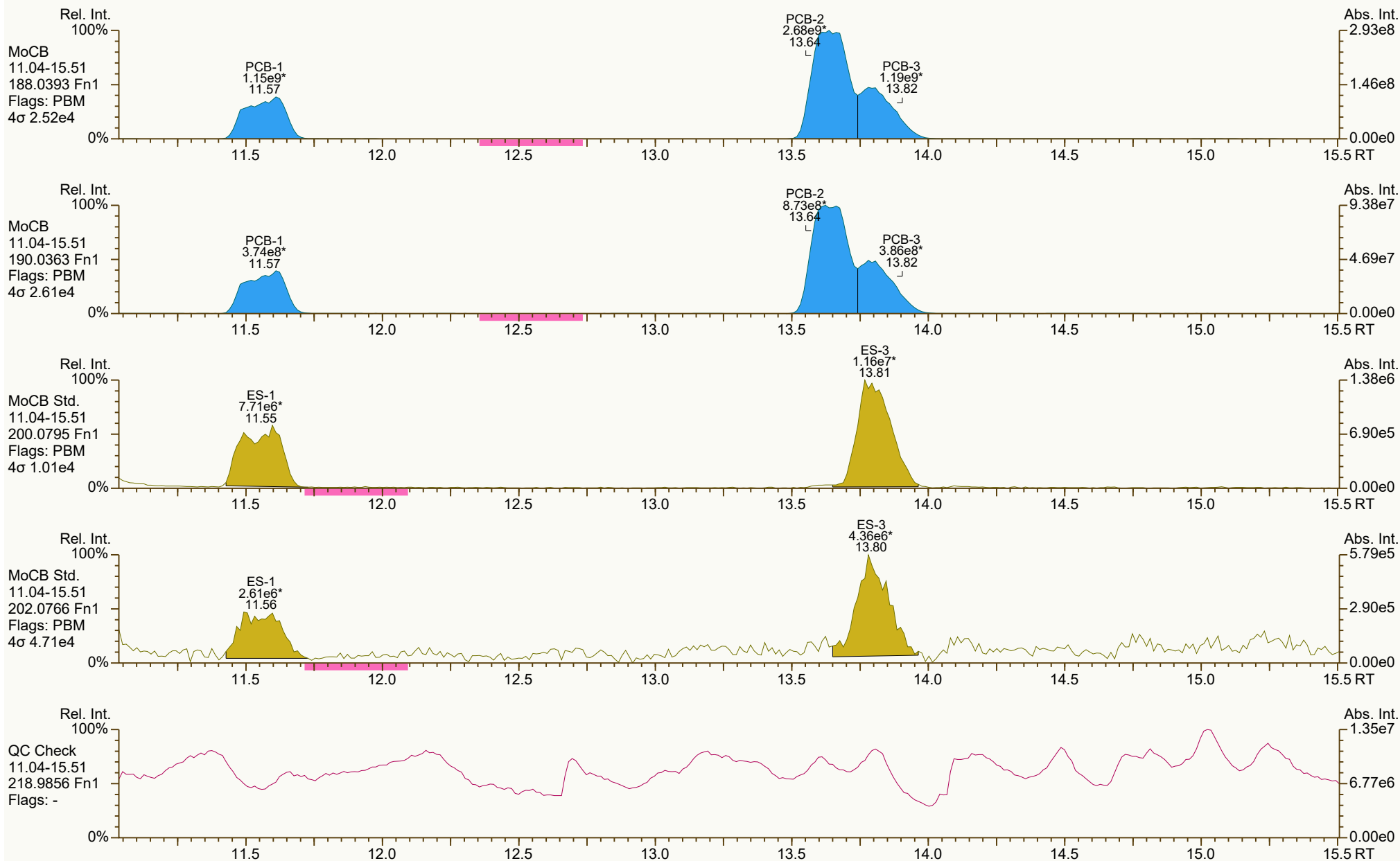
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 911-724

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 13:02 Page 1 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



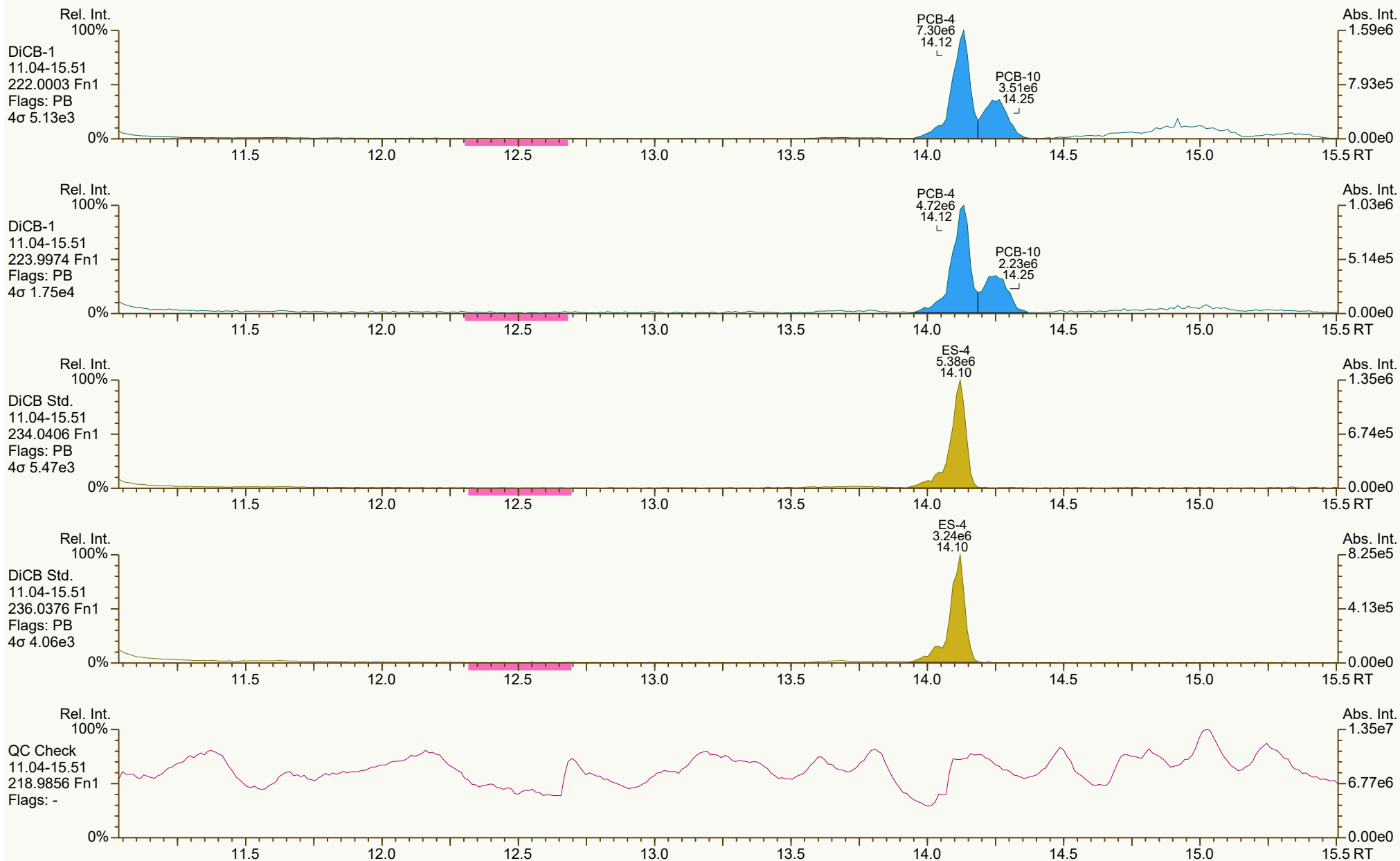
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5815, 1116 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 2 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



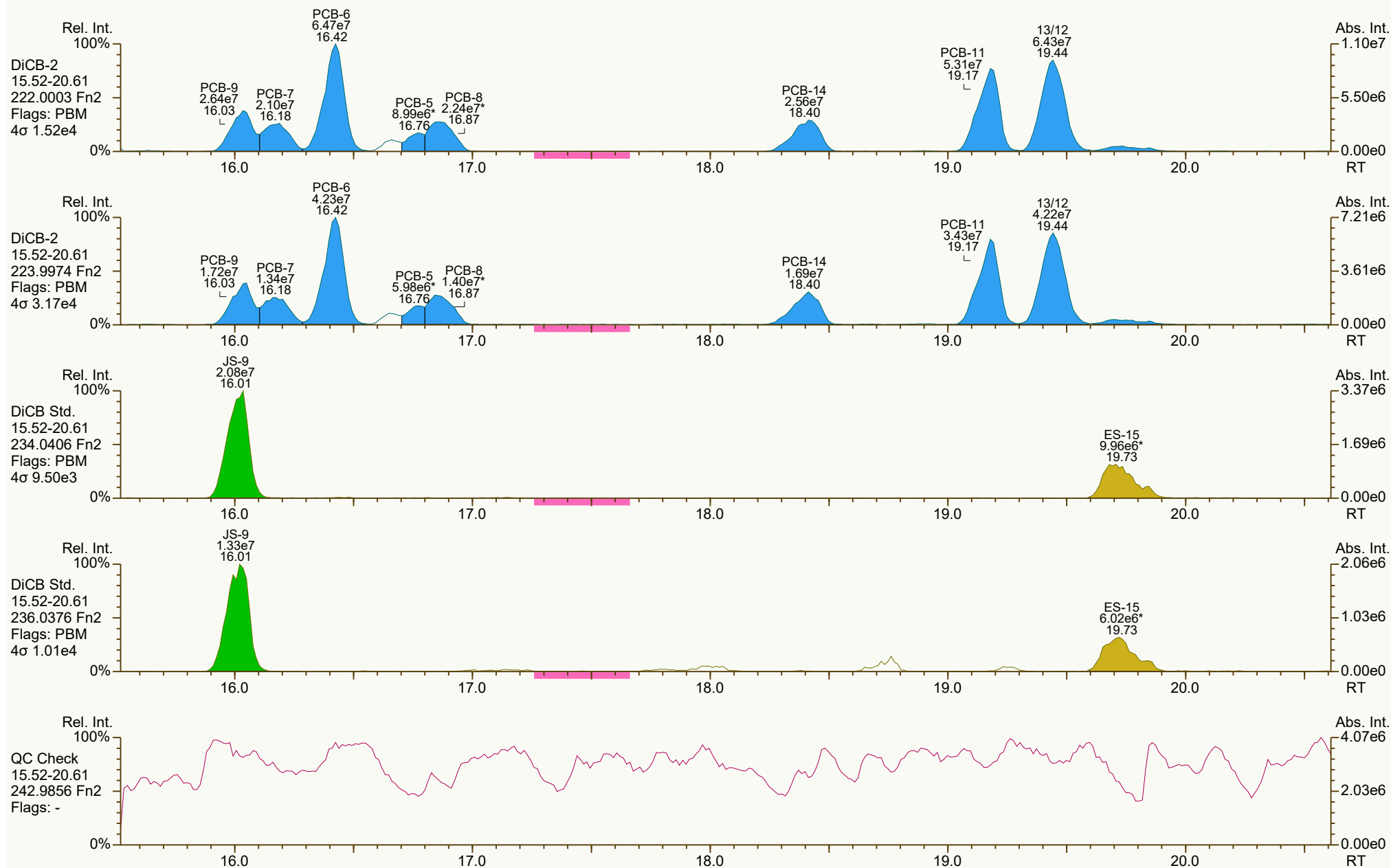
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8435, 9318 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 3 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



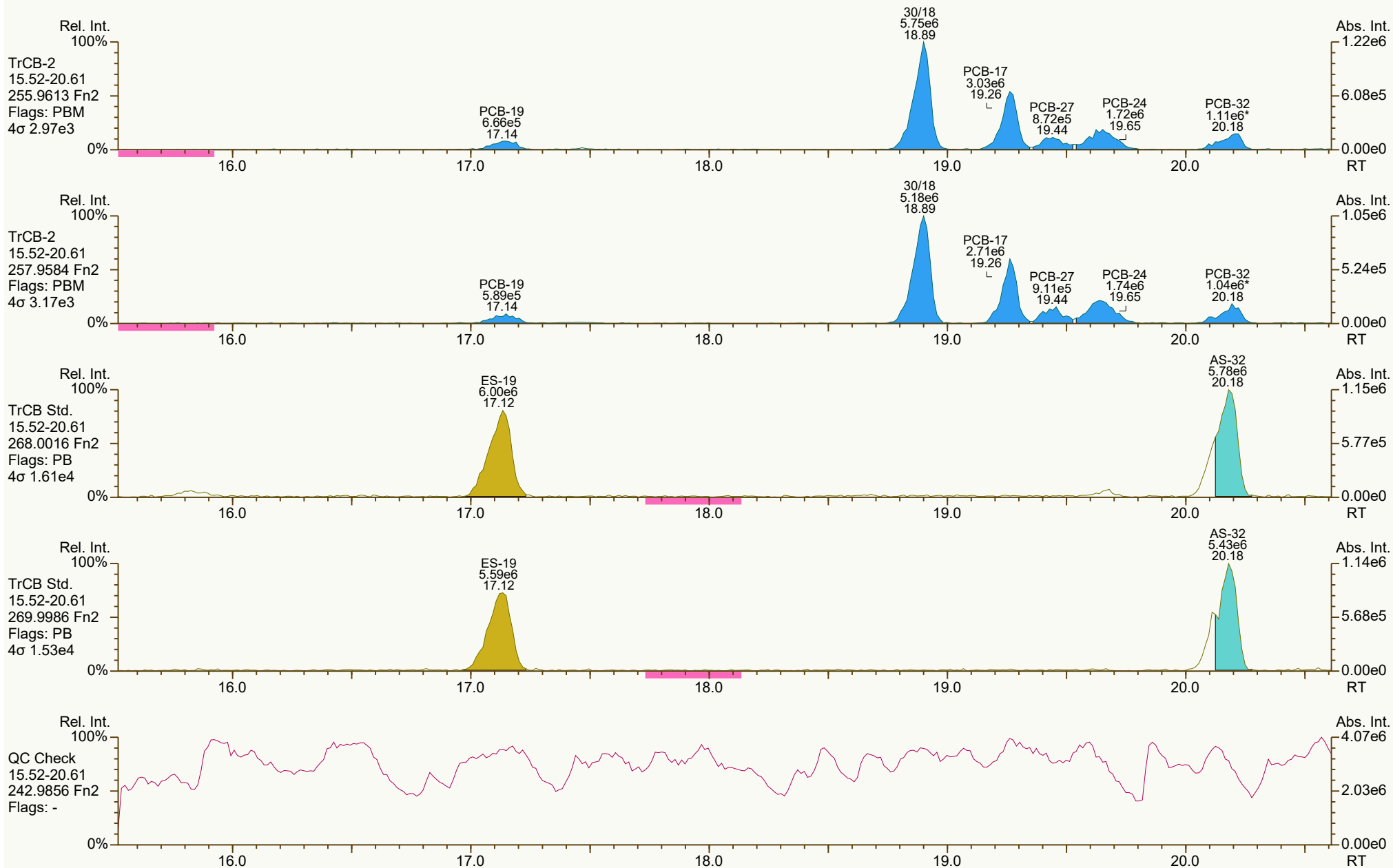
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1805, 2062 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 4 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



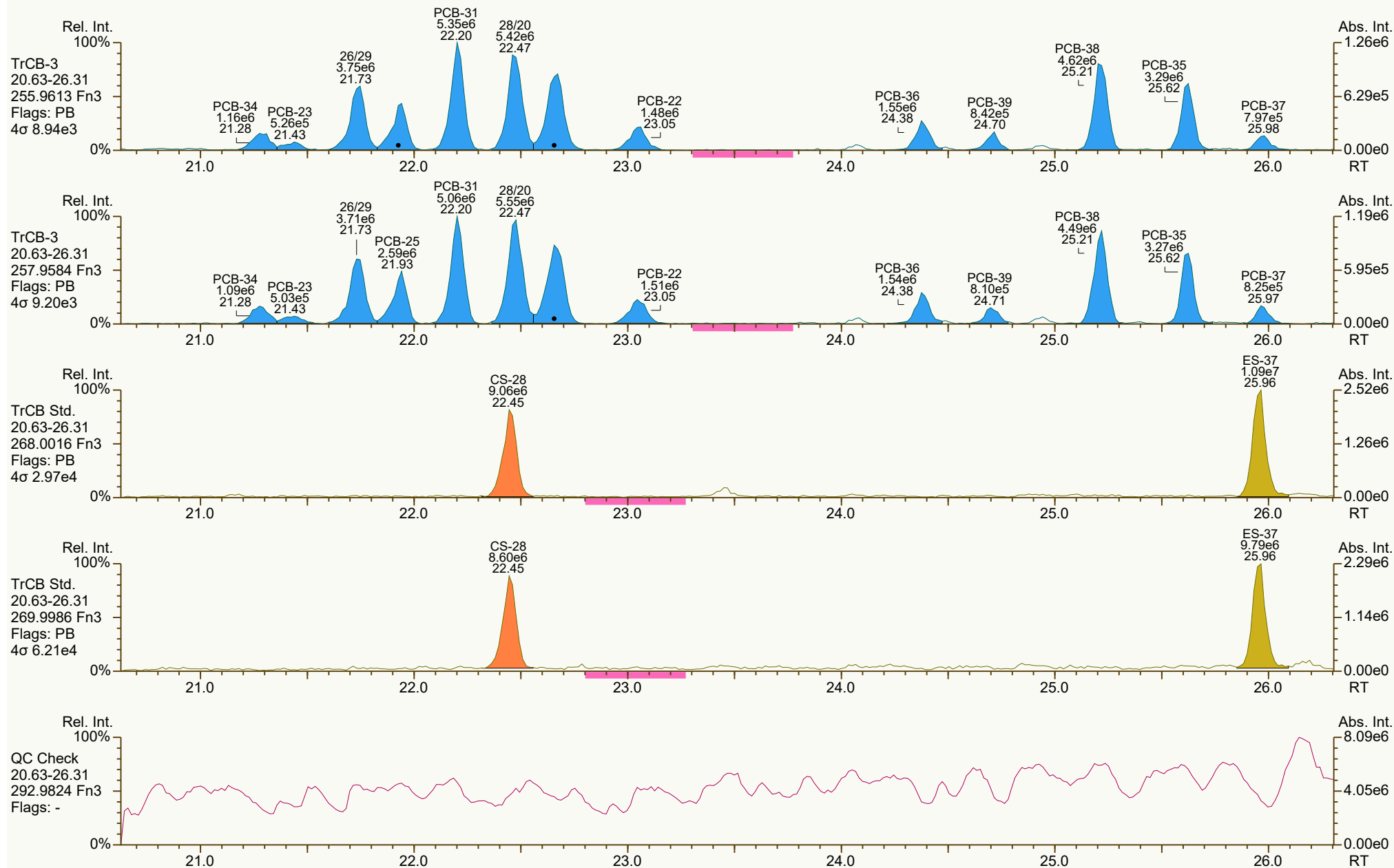
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3018, 3285 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 5 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



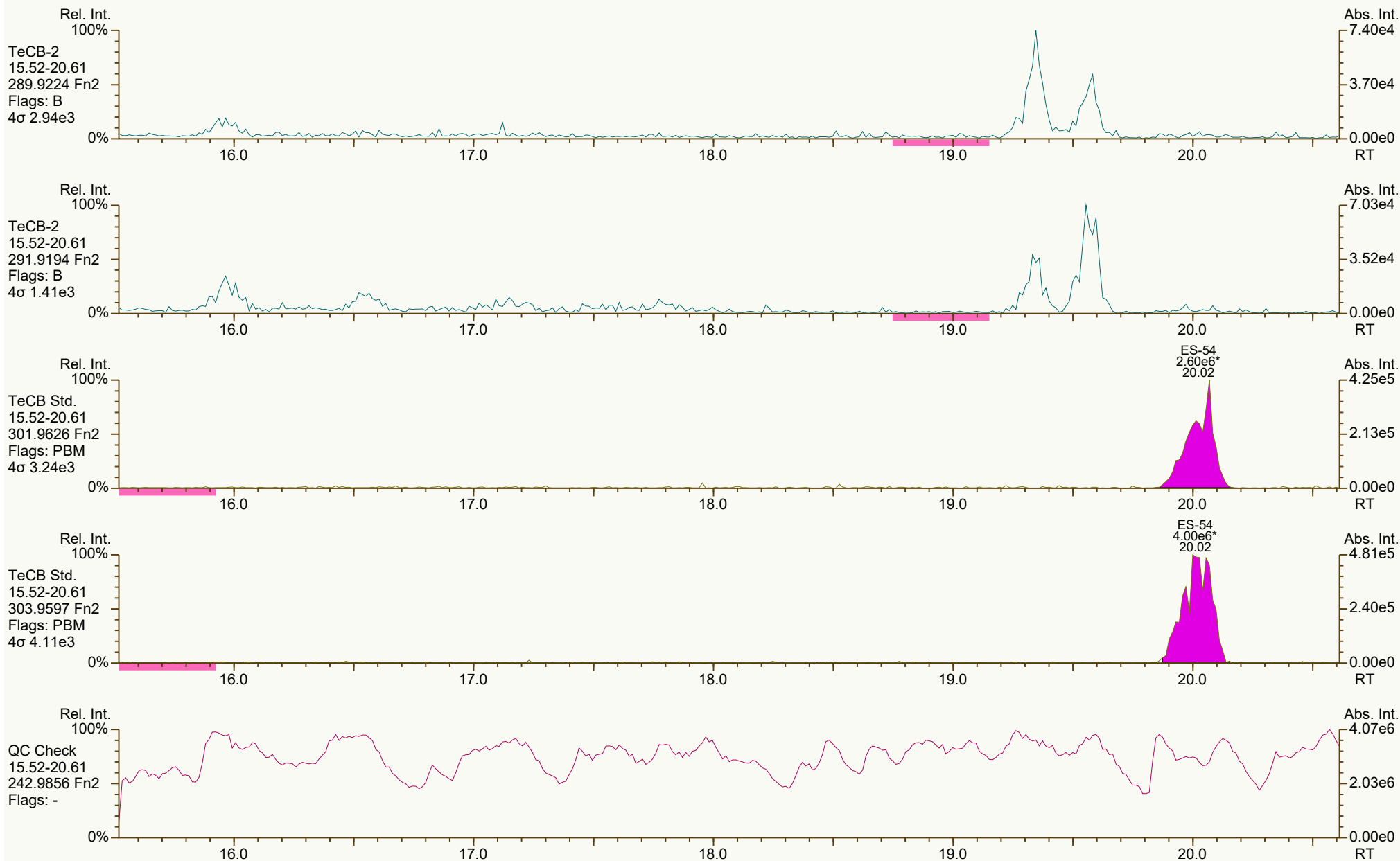
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4235, 9194 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 6 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



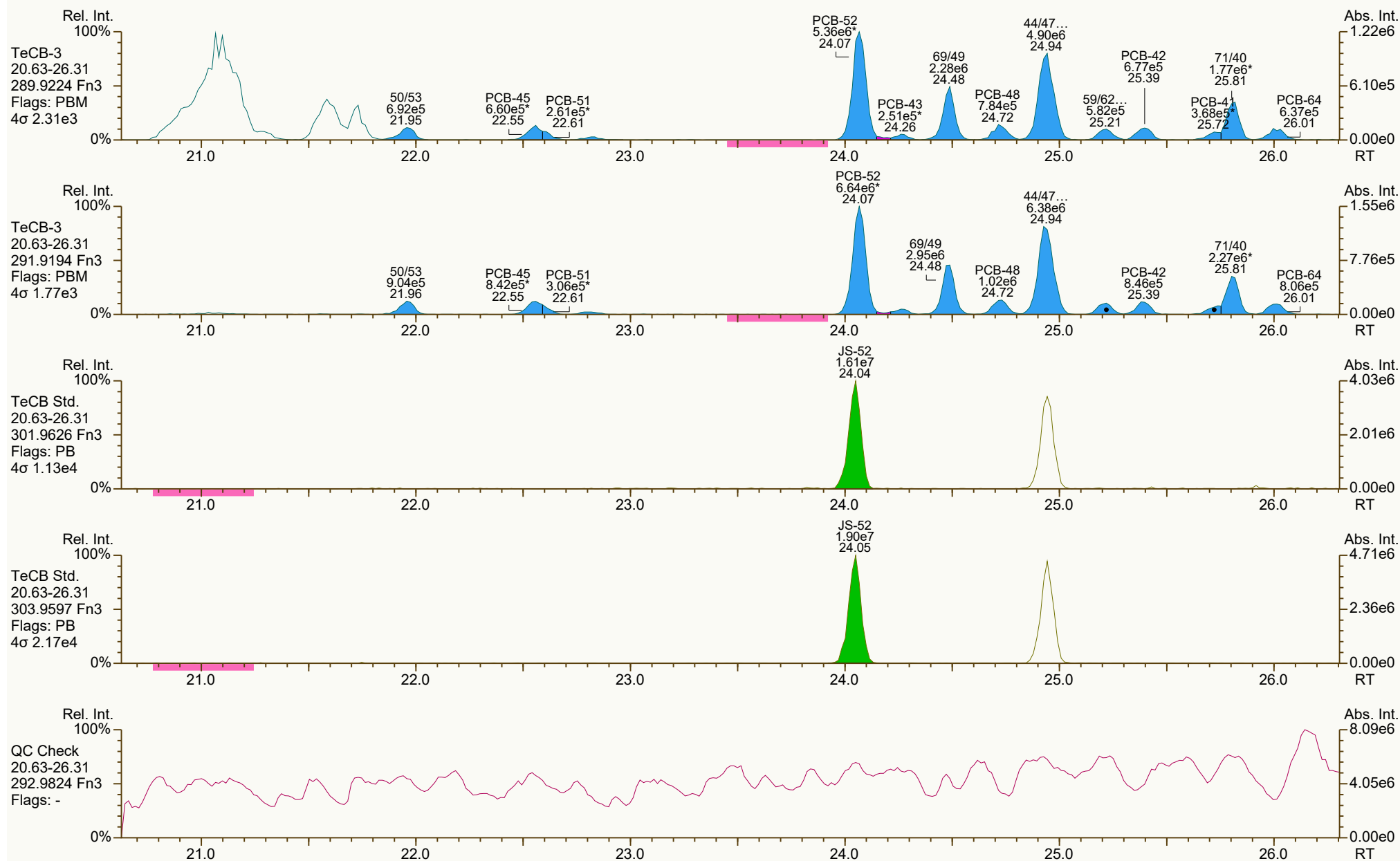
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5261, 7105 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 7 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9394, 6297 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 8 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



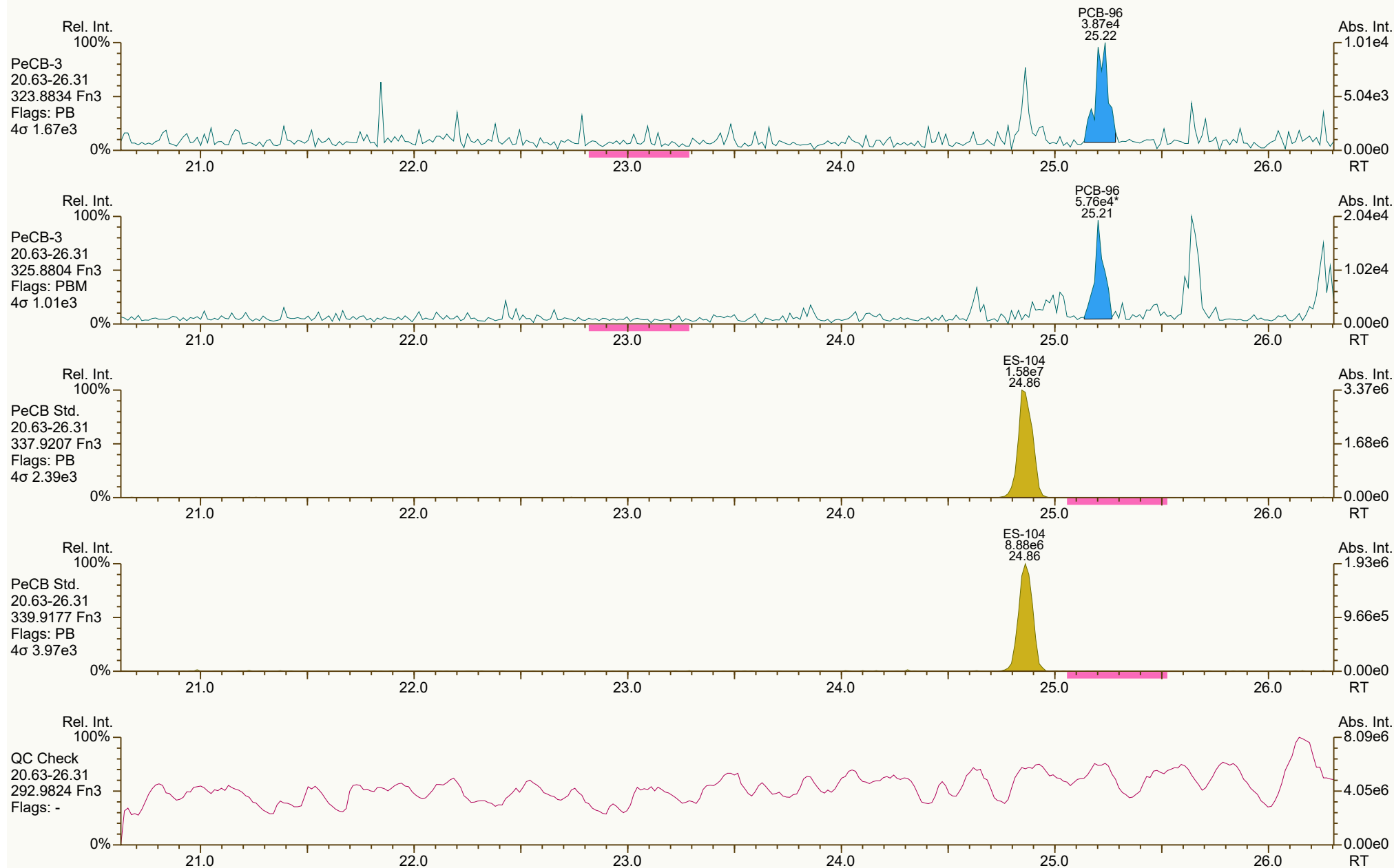
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3589, 2748 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 9 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



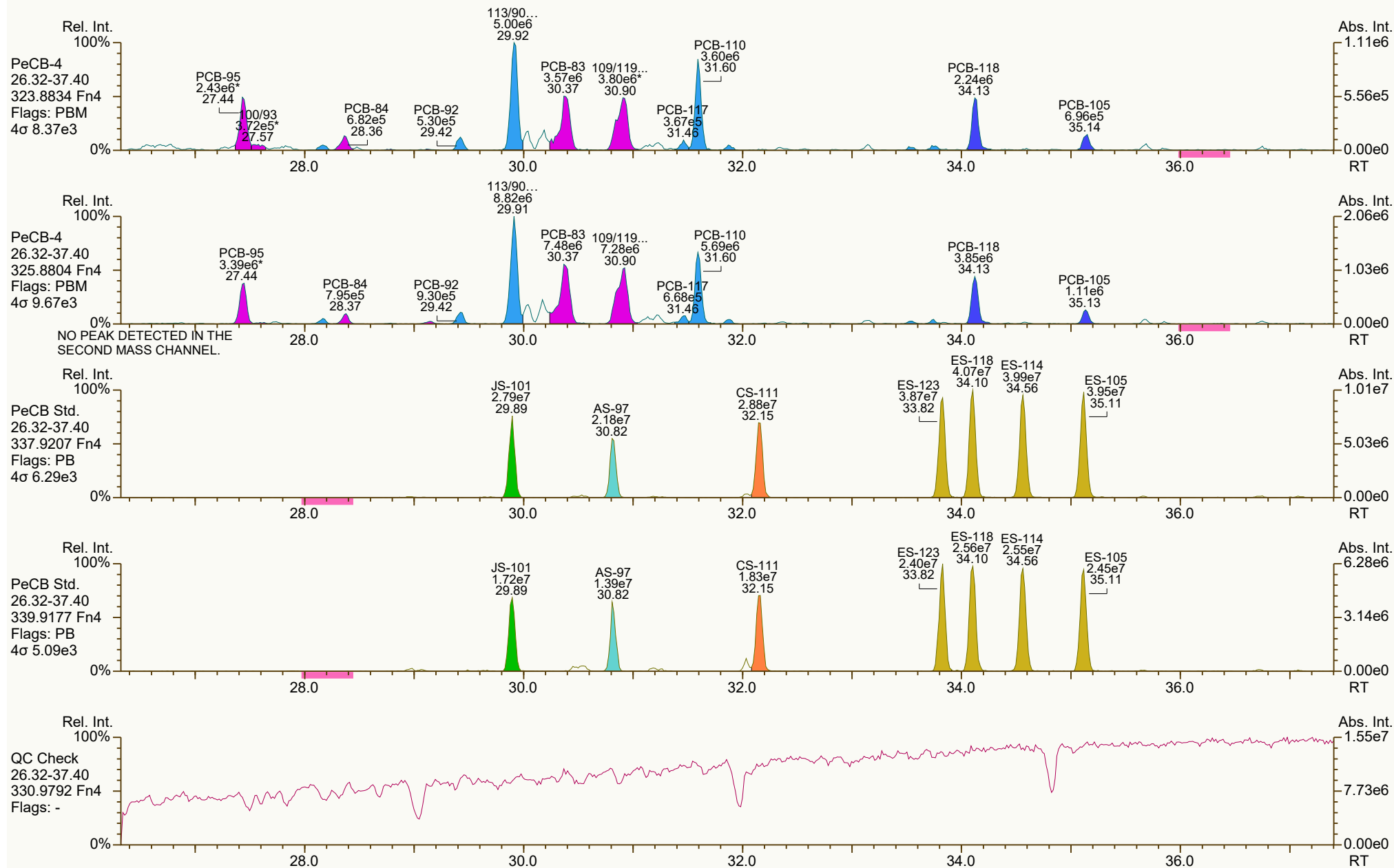
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9875, 1746 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 10 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



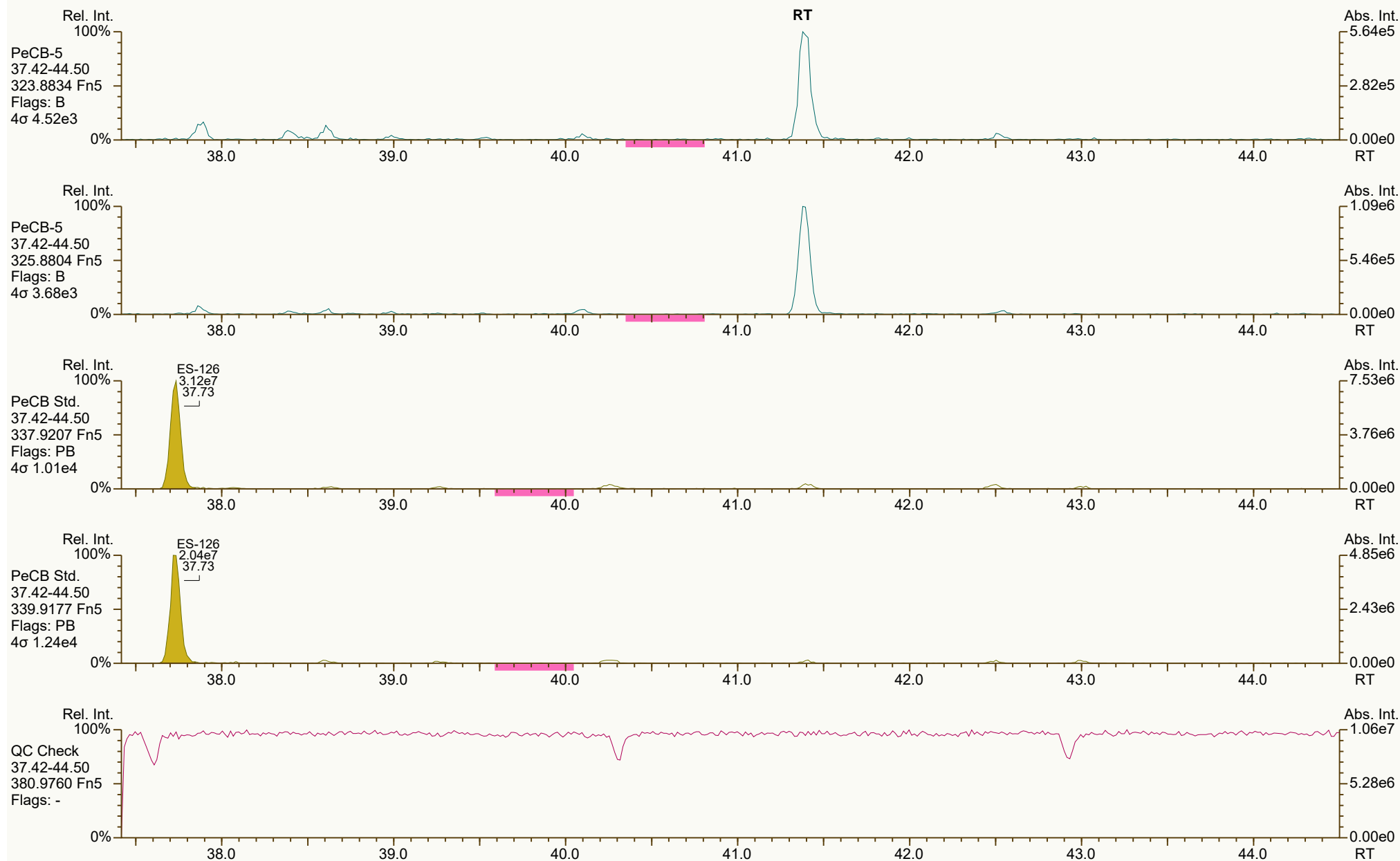
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0117, 7260 scc: 911-724

Peak annotation: Areas, Centroids
Revised: 11-Oct-2024 12:44 (JLJ) Printed: 11-Oct-2024 13:02 Page 11 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4761, 7197 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 12 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2113, 8031 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 13 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



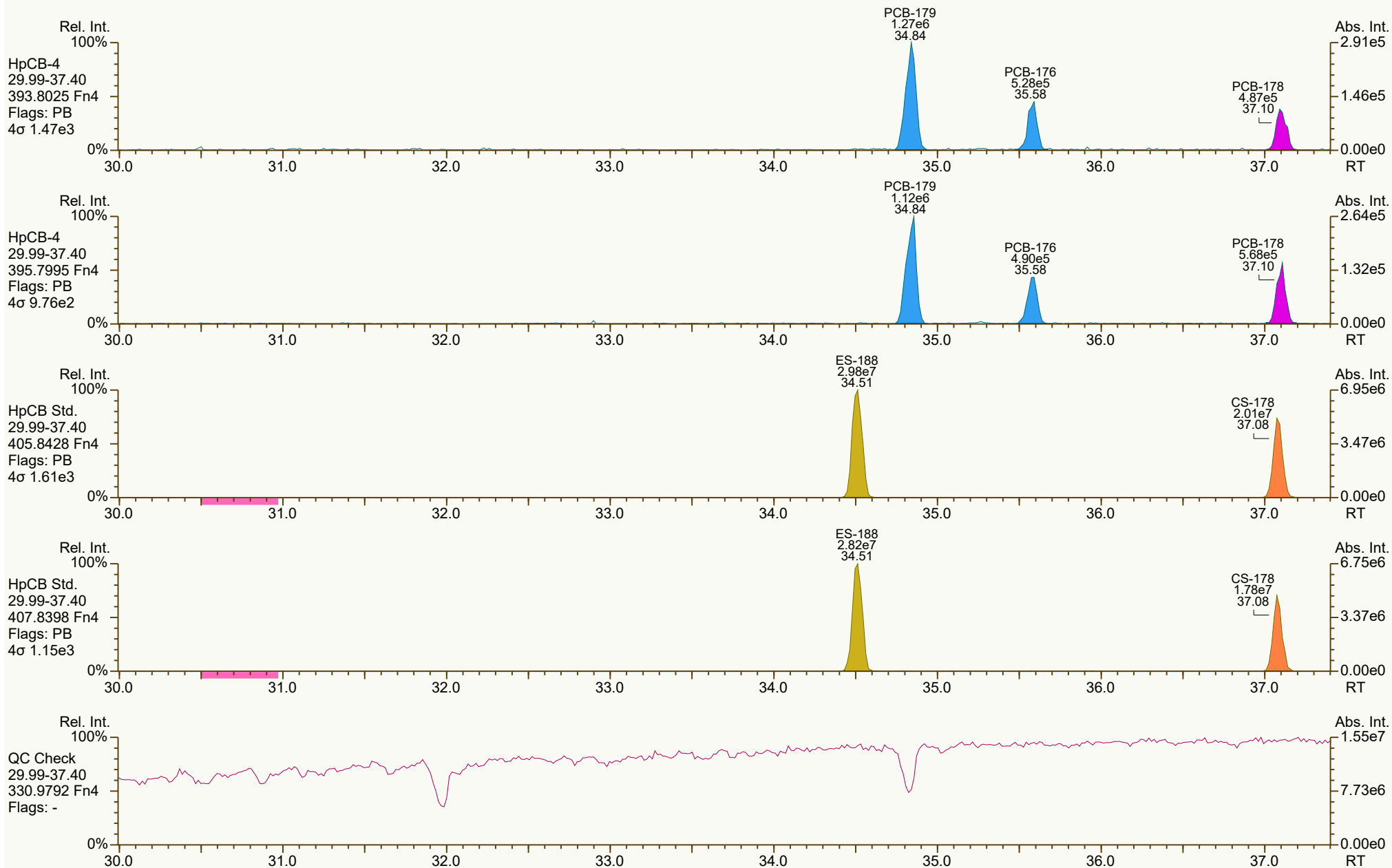
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8092, 5880 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:02 Page 14 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



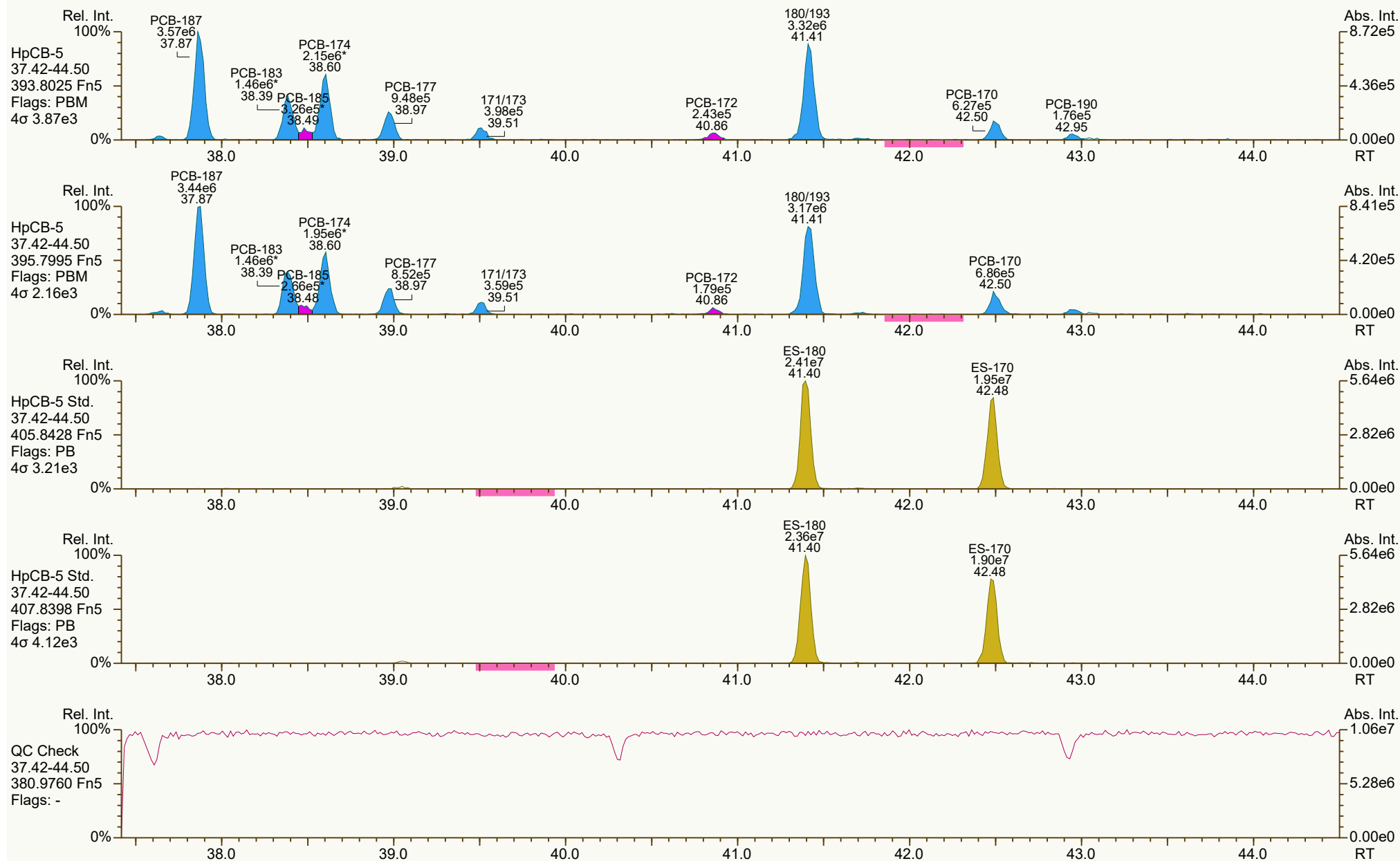
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9314, 8592 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:03 Page 15 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1978, 4223 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:03 Page 16 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



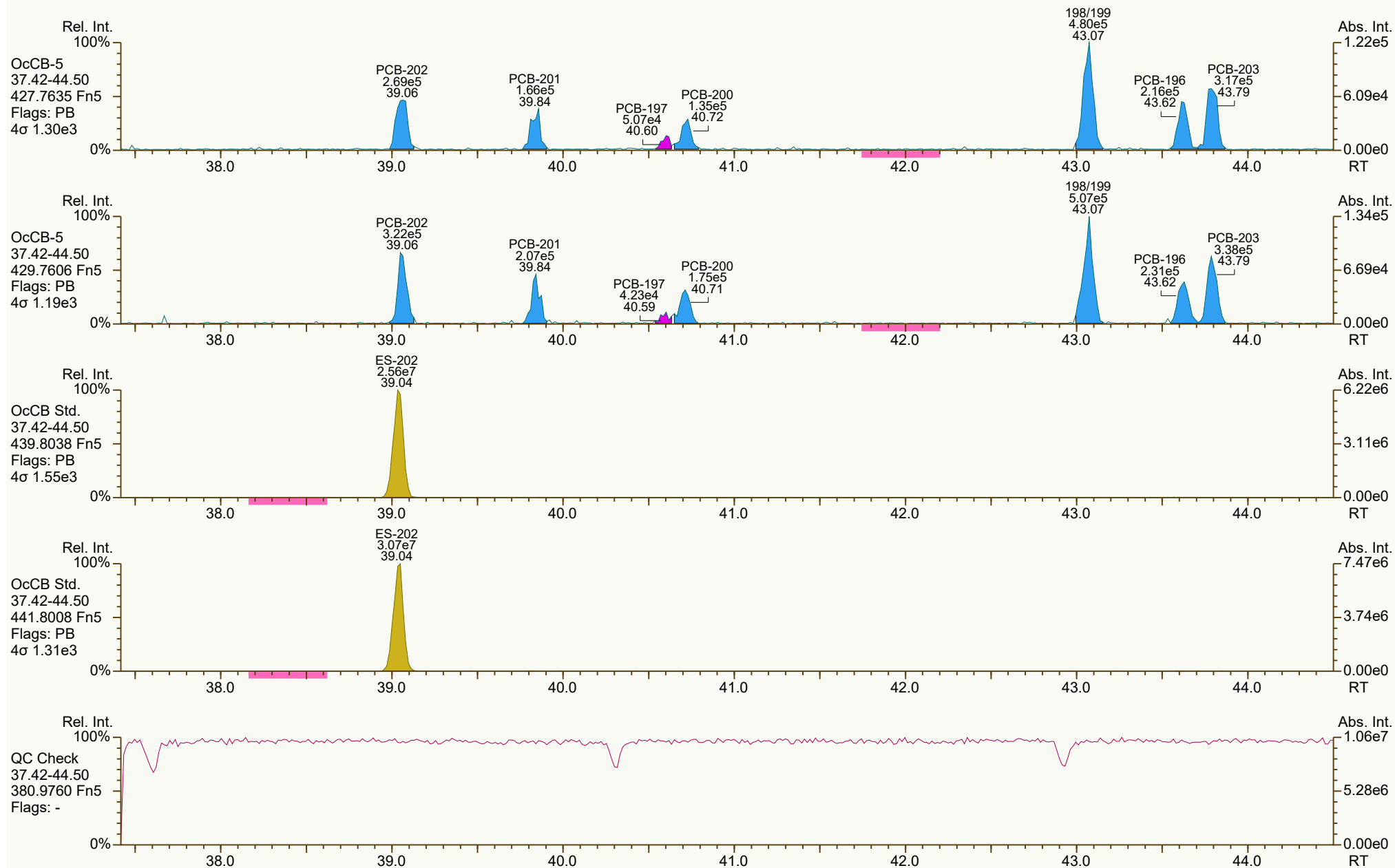
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7387, 8520 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:03 Page 17 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



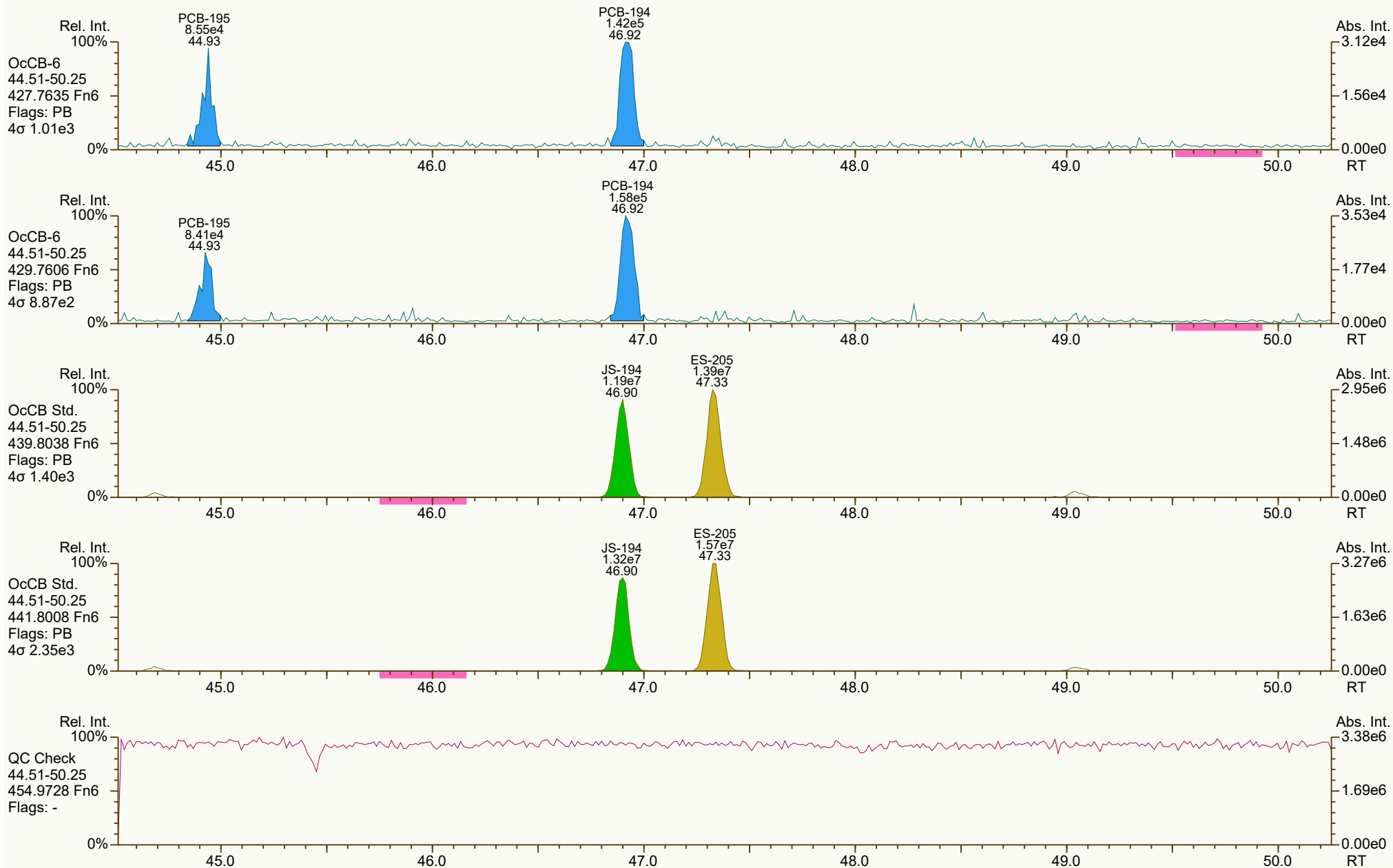
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3948, 8446 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:03 Page 18 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



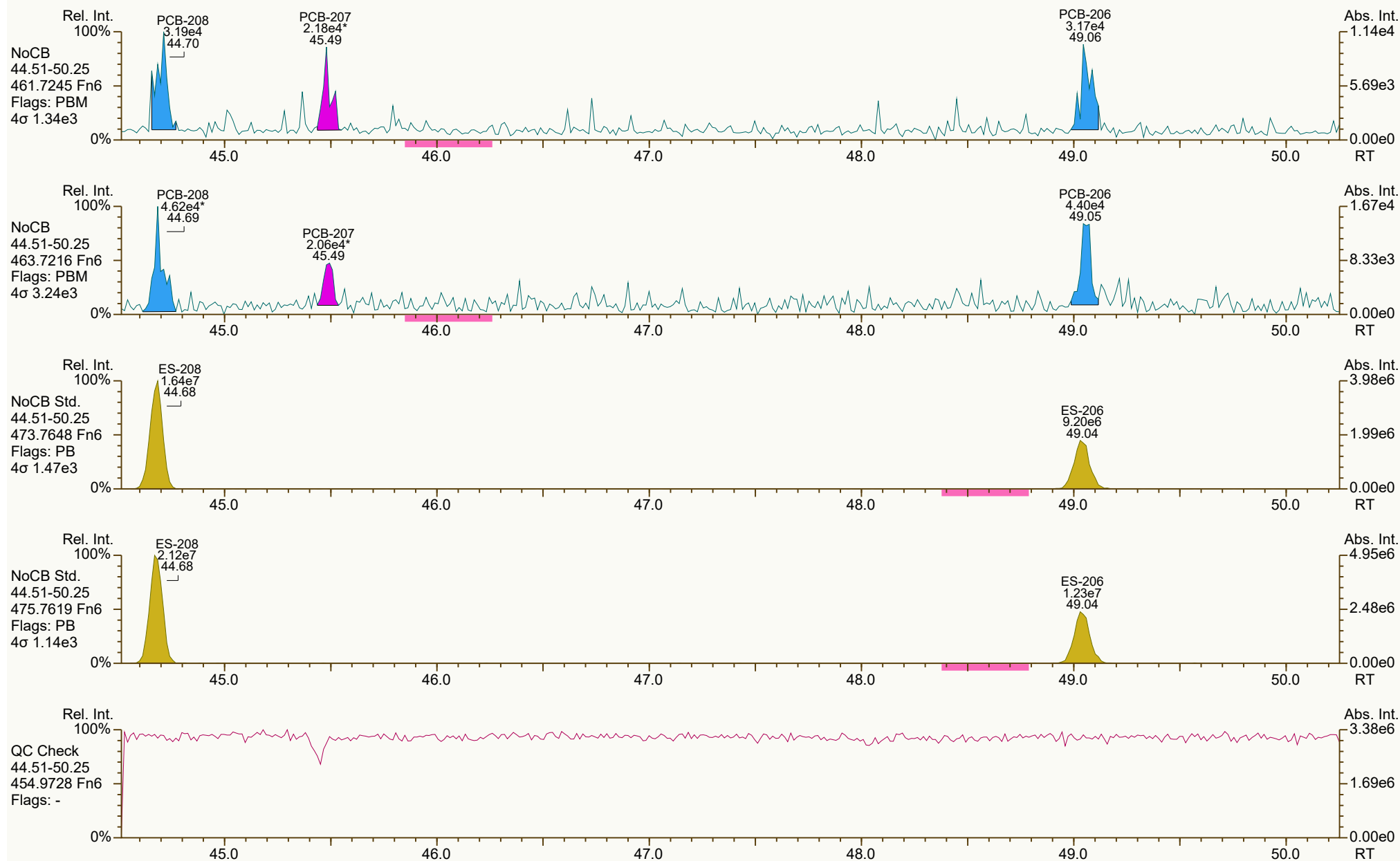
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0450, 5795 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:03 Page 19 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4665, 5490 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:03 Page 20 of 21

SGS ID: B9847_21458_PCB_007
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3 Mill off
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 60

Acq: 08-Oct-2024 13:08:15
User: JLJ Datafile: 241007B21



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_007.utp_res, saved 11-Oct-2024 12:52 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6422, 6786 scc: 911-724

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:17 Printed: 11-Oct-2024 13:03 Page 21 of 21

Lab ID: B9847_21458_PCB_008

ACQ: 08-Oct-2024 14:06:57 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Field Blank

UTP: 11-Oct-2024 12:38:18 JLJ

J-level: 20 pg Split: 2

Checkcode: 032-384-KQW/C

Datafile: 241007B22

RPT: 11-Oct-2024 12:56 JJ

Stds (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	32.12	J	1.0006	1.0001	-1.0	5.32E+04	0.89	0.95	5.43	5.37E+03	6.54
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	5.37E+03	6.15
PCB-105 233'44'-PeCB	35.10	B EMPC	1.0006	1.0008	+0.4	2.82E+05	0.77	0.97	32.3	4.40E+03	5.53
PCB-114 2344'5-PeCB	34.53	J EMPC	1.0007	1.0005	-0.4	3.55E+04	1.32	0.96	3.83	4.40E+03	5.19
PCB-118 23'44'5-PeCB	34.07	B	1.0007	1.0007	0	9.51E+05	0.66	0.99	97.4	4.40E+03	5.09
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	4.40E+03	4.92
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	3.83E+03	6.68
PCB-156/157 ...-HxCB	40.25	J B EMPC C	1.0005	1.0001	-1.0	6.42E+04	1.48	0.96	9.56	2.85E+03	6.75
PCB-167 23'44'55'-HxCB	ND		1.0005					0.94	ND	2.85E+03	4.46
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	2.85E+03	5.33
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	2.19E+03	5.31
PCB-209 DeCB	ND		1.0005					0.95	ND	1.72E+03	9.84
ES PCB-1	11.38		0.7219	0.7218	-0.1	1.29E+07	3.22	1.19	17.3 %	5%	145%
ES PCB-3	13.61		0.8628	0.8637	+0.7	2.67E+07	2.90	1.13	37.8 %	5%	145%
ES PCB-4	13.83		0.8777	0.8774	-0.2	2.06E+07	1.61	0.72	45.5 %	5%	145%
ES PCB-15	19.47		1.2345	1.2355	+1.2	4.87E+07	1.58	1.07	72.6 %	5%	145%
ES PCB-19	16.84		1.0688	1.0688	0	2.64E+07	1.13	0.65	65.1 %	5%	145%
ES PCB-37	25.78		1.0824	1.0835	+1.7	4.75E+07	1.04	1.40	60.2 %	5%	145%
ES PCB-54	19.71		0.8288	0.8284	-0.5	2.86E+07	0.63	1.23	41.1 %	5%	145%
ES PCB-77	32.11		1.3483	1.3499	+3.1	4.14E+07	0.77	1.28	57.3 %	10%	145%
ES PCB-81	31.62		1.3278	1.3291	+2.5	4.29E+07	0.77	1.33	57.3 %	10%	145%
ES PCB-104	24.63		0.8278	0.8273	-0.7	4.15E+07	1.45	1.32	73.9 %	10%	145%
ES PCB-105	35.07		1.1779	1.1781	+0.4	3.60E+07	1.63	1.26	67.2 %	10%	145%
ES PCB-114	34.51		1.1590	1.1593	+0.6	3.86E+07	1.55	1.34	67.4 %	10%	145%
ES PCB-118	34.05		1.1434	1.1437	+0.6	3.95E+07	1.68	1.31	70.7 %	10%	145%
ES PCB-123	33.77		1.1339	1.1343	+0.8	3.79E+07	1.54	1.27	70.1 %	10%	145%
ES PCB-126	37.72		1.2663	1.2671	+1.8	2.65E+07	1.58	1.19	52.3 %	10%	145%
ES PCB-153	35.61		0.9706	0.9706	0	3.51E+07	1.27	1.11	85.9 %	10%	145%
ES PCB-155	29.56		0.8059	0.8056	-0.5	4.86E+07	1.20	1.45	91.1 %	10%	145%
ES PCB-156/157	40.25	C	1.0967	1.0970	+0.7	5.60E+07	1.27	1.24	61.5 %	10%	145%
ES PCB-167	39.25		1.0695	1.0697	+0.5	2.99E+07	1.28	1.29	63.1 %	10%	145%
ES PCB-169	43.00		1.1714	1.1720	+1.5	2.32E+07	1.22	1.18	53.5 %	10%	145%
ES PCB-170	42.48		0.9058	0.9057	-0.3	1.98E+07	1.05	1.06	130 %	10%	145%
ES PCB-180	41.39		0.8827	0.8826	-0.2	2.44E+07	1.02	1.25	135 %	10%	145%
ES PCB-188	34.46		0.9393	0.9391	-0.4	4.00E+07	1.05	1.36	79.9 %	10%	145%
ES PCB-189	45.11		0.9619	0.9619	0	1.80E+07	1.03	1.37	91 %	10%	145%
ES PCB-202	39.02		1.0635	1.0635	0	3.05E+07	0.87	1.19	69.6 %	10%	145%
ES PCB-205	47.33		1.0093	1.0093	0	1.52E+07	0.90	1.23	85.6 %	10%	145%
ES PCB-206	49.04		1.0458	1.0457	-0.3	1.12E+07	0.80	0.89	87.3 %	10%	145%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-208	44.68		0.9528	0.9526	-0.5	1.99E+07	0.78	1.26	110 %	10%	145%
ES PCB-209	50.82		1.0840	1.0837	-0.9	1.08E+07	1.15	0.98	76.4 %	10%	145%
SS PCB-28	22.19		0.9324	0.9326	+0.3	4.53E+07	1.03	1.04	92 %	5%	145%
SS PCB-111	32.07		1.0771	1.0773	+0.4	3.65E+07	1.57	0.98	97.9 %	10%	145%
SS PCB-178	37.05		1.0099	1.0098	-0.2	2.48E+07	1.04	0.71	87.7 %	10%	145%
CS PCB-28	22.19		0.9324	0.9326	+0.3	4.53E+07	1.03	1.44	55.7 %	5%	145%
CS PCB-111	32.07		1.0771	1.0773	+0.4	3.65E+07	1.57	1.24	68.9 %	10%	145%
CS PCB-178	37.05		1.0099	1.0098	-0.2	2.48E+07	1.04	0.96	70.1 %	10%	145%
JS PCB-9	15.76					6.25E+07	1.57				
JS PCB-52	23.79					5.64E+07	0.79				
JS PCB-101	29.77					4.27E+07	1.56				
JS PCB-138	36.69					3.68E+07	1.30				
JS PCB-194	46.90					1.44E+07	0.91				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	1,040	1,040	10.1		
						Di-CB	2,310	2,310	10.2		
						Tri-CB	944	1,010	9.38		
						Tetra-CB	1,150	1,200	4.48		
						Penta-CB	983	1,160	4.91		
						Hexa-CB	543	613	4.51		
						Hepta-CB	35.9	150	4.26		
						Octa-CB	5.25	25.2	4.46		
						Nona-CB	0	0	11.9		

Lab ID: B9847_21458_PCB_008

ACQ: 08-Oct-2024 14:06:57 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Field Blank

UTP: 11-Oct-2024 12:38:18 JLJ

J-level: 20 pg Split: 2

Checkcode: 032-384-KQW/C

Datafile: 241007B22

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-1 2-MoCB	11.39	B	1.0012	1.0013	+0.1	1.25E+06	3.33	1.01	386	6.16E+03	12.5
PCB-2 3-MoCB	13.44	B	0.9879	0.9876	-0.2	2.81E+06	3.22	1.02	413	6.16E+03	7.81
PCB-3 4-MoCB	13.62	B	1.0010	1.0008	-0.2	1.61E+06	3.34	1.01	238	6.16E+03	7.84
PCB-4 22'-DiCB	13.84	B	1.0012	1.0011	-0.1	1.18E+06	1.57	0.98	234	9.05E+03	12.6
PCB-10 26-DiCB	14.01	J B	1.0136	1.0133	-0.3	9.23E+04	SI	1.39	12.9	9.05E+03	8.89
PCB-9 25-DiCB	15.77	J B	1.0010	1.0007	-0.3	1.83E+05	SI	0.90	16.8	9.40E+03	8.46
PCB-7 24-DiCB	15.94	J B	1.0112	1.0113	+0.1	1.99E+05	SI	0.83	19.8	9.40E+03	9.2
PCB-6 23'-DiCB	16.17	B	1.0259	1.0258	-0.1	4.96E+05	SI	0.96	42.3	9.40E+03	7.87
PCB-5 23-DiCB	16.46	J	1.0445	1.0444	-0.1	6.41E+04	SI	0.79	6.68	9.40E+03	9.62
PCB-8 24'-DiCB	16.58	B	1.0520	1.0523	+0.3	1.91E+06	1.35	1.04	152	9.40E+03	7.33
PCB-14 35-DiCB	ND		0.9307					0.81	ND	9.40E+03	9.32
PCB-11 33'-DiCB	18.90	B	0.9711	0.9709	-0.2	1.95E+07	1.57	0.90	1,790	9.40E+03	8.46
PCB-13/12 34'/34-DiCB	ND	C	0.9858					0.82	ND	9.40E+03	9.25
PCB-15 44'-DiCB	19.47	B	1.0007	0.9998	-1.1	4.96E+05	SI	0.97	42.2	9.40E+03	7.85
PCB-19 22'6-TrCB	16.85	B	1.0011	1.0007	-0.4	3.57E+05	1.15	1.03	52.2	7.52E+03	9.68
PCB-30/18 246/22'5-TrCB	18.60	B C	1.1030	1.1040	+1.1	1.52E+06	1.04	1.48	156	7.52E+03	6.77
PCB-17 22'4-TrCB	18.98	B	1.1270	1.1268	-0.2	8.36E+05	0.97	1.03	123	7.52E+03	9.75
PCB-27 23'6-TrCB	19.18	B	1.1387	1.1388	+0.1	2.80E+05	1.00	1.42	29.9	7.52E+03	7.05
PCB-24 236-TrCB	ND		1.1462					1.43	ND	7.52E+03	7
PCB-16 22'3-TrCB	19.41	B EMPC	1.1524	1.1524	0	4.52E+05	1.30	1.03	66.8	7.52E+03	9.76
PCB-32 24'6-TrCB	19.88	B	1.1803	1.1801	-0.2	9.19E+05	0.95	1.59	87.3	7.52E+03	6.28
PCB-34 23'5'-TrCB	ND		0.8163					0.95	ND	9.96E+03	9.85
PCB-23 235-TrCB	ND		0.8218					0.97	ND	9.96E+03	9.64
PCB-26/29 23'5/245-TrCB	21.44	B C	0.8330	0.8319	-1.4	5.45E+05	1.04	0.96	47.7	9.96E+03	9.76
PCB-25 23'4-TrCB	21.66	B	0.8409	0.8403	-0.8	2.98E+05	0.93	1.19	21.1	9.96E+03	7.9
PCB-31 24'5-TrCB	21.94	B	0.8517	0.8511	-0.8	1.74E+06	1.02	1.16	126	9.96E+03	8.12
PCB-28/20 244'/233'-TrCB	22.21	B C	0.8626	0.8615	-1.5	2.05E+06	0.98	1.06	163	9.96E+03	8.89
PCB-21/33 234/23'4'-TrCB	22.42	B C	0.8696	0.8698	+0.3	9.15E+05	1.13	1.04	74.1	9.96E+03	9.04
PCB-22 234'-TrCB	22.78	B	0.8845	0.8839	-0.8	5.31E+05	1.05	1.11	40.2	9.96E+03	8.44
PCB-36 33'5-TrCB	ND		0.9378					1.15	ND	9.96E+03	8.16
PCB-39 34'5-TrCB	ND		0.9504					1.02	ND	9.96E+03	9.19
PCB-38 345-TrCB	ND		0.9706					1.05	ND	9.96E+03	8.92
PCB-35 33'4-TrCB	ND		0.9865					0.99	ND	9.96E+03	9.48
PCB-37 344'-TrCB	25.79	B	1.0007	1.0006	-0.2	2.68E+05	0.97	1.03	21.8	9.96E+03	9.09
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.11E+03	3.25
PCB-50/53 22'46/22'56'-TeCB	21.67	J B C	0.9120	0.9111	-1.2	3.21E+05	0.70	0.93	32.3	2.89E+03	3.38
PCB-45 22'36-TeCB	22.27	J B EMPC	0.9369	0.9359	-1.3	1.03E+05	0.58	0.78	12.3	2.89E+03	4
PCB-51 22'46'-TeCB	22.34	B	0.9395	0.9389	-0.8	4.85E+05	0.77	0.94	48.4	2.89E+03	3.34
PCB-46 22'36'-TeCB	22.57	J B	0.9488	0.9486	-0.3	9.49E+04	0.81	0.74	11.9	2.89E+03	4.21
PCB-52 22'55'-TeCB	23.81	B	1.0010	1.0010	0	2.75E+06	0.77	1.02	251	2.89E+03	3.06
PCB-73 23'5'6-TeCB	23.93	J EMPC	1.0061	1.0060	-0.1	2.75E+04	0.58	1.27	2.02	2.89E+03	2.46

Lab ID: B9847_21458_PCB_008

ACQ: 08-Oct-2024 14:06:57 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Field Blank

UTP: 11-Oct-2024 12:38:18 JLJ

J-level: 20 pg Split: 2

Checkcode: 032-384-KQW/C

Datafile: 241007B22

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-43 22'35'-TeCB	24.02	J B	1.0100	1.0096	-0.6	6.83E+04	0.67	0.91	7.03	2.89E+03	3.45
PCB-69/49 23'46/22'45'-TeCB	24.25	B C	1.0181	1.0193	+1.7	1.20E+06	0.73	1.06	106	2.89E+03	2.95
PCB-48 22'45'-TeCB	24.50	B	1.0299	1.0298	-0.1	2.62E+05	0.80	0.89	27.6	2.89E+03	3.53
PCB-44/47/65 ...-TeCB	24.72	B C	1.0391	1.0393	+0.3	2.87E+06	0.76	1.02	263	2.89E+03	3.08
PCB-59/62/75 ...-TeCB	25.00	J B C	1.0505	1.0508	+0.4	1.75E+05	0.87	1.17	14	2.89E+03	2.68
PCB-42 22'34'-TeCB	25.17	B	1.0580	1.0582	+0.3	3.15E+05	0.78	0.80	36.7	2.89E+03	3.91
PCB-41 22'34'-TeCB	25.50	J B EMPC	1.0720	1.0721	+0.2	7.83E+04	1.17	0.71	10.3	2.89E+03	4.4
PCB-71/40 23'4'6/22'33'-TeCB	25.60	B C	1.0761	1.0762	+0.2	5.18E+05	0.78	0.98	49.4	2.89E+03	3.2
PCB-64 234'6'-TeCB	25.80	B	1.0844	1.0846	+0.3	6.80E+05	0.77	1.20	53	2.89E+03	2.62
PCB-72 23'55'-TeCB	ND		0.8391					1.06	ND	5.37E+03	5.48
PCB-68 23'45'-TeCB	26.77	J B	0.8471	0.8466	-0.8	1.57E+05	0.73	0.98	14.9	5.37E+03	5.93
PCB-57 233'5'-TeCB	ND		0.8589					1.01	ND	5.37E+03	5.74
PCB-58 233'5'-TeCB	ND		0.8655					1.12	ND	5.37E+03	5.2
PCB-67 23'45'-TeCB	ND		0.8702					1.18	ND	5.37E+03	4.93
PCB-63 234'5'-TeCB	ND		0.8775					0.91	ND	5.37E+03	6.37
PCB-61/70/74/76 ...-TeCB	28.04	B C	0.8867	0.8869	+0.3	1.73E+06	0.75	1.05	154	5.37E+03	5.54
PCB-66 23'44'-TeCB	28.32	B	0.8958	0.8956	-0.3	7.30E+05	0.73	1.04	65.2	5.37E+03	5.56
PCB-55 233'4'-TeCB	ND		0.9006					1.10	ND	5.37E+03	5.27
PCB-56 233'4'-TeCB	28.90	J B EMPC	0.9145	0.9141	-0.7	1.89E+05	0.58	1.02	17.2	5.37E+03	5.66
PCB-60 2344'-TeCB	29.10	J B	0.9206	0.9205	-0.2	1.43E+05	0.68	0.88	15.1	5.37E+03	6.56
PCB-80 33'55'-TeCB	ND		0.9306					1.02	ND	5.37E+03	5.72
PCB-79 33'45'-TeCB	ND		0.9730					1.15	ND	5.37E+03	5.03
PCB-78 33'45'-TeCB	ND		0.9884					0.92	ND	5.37E+03	6.3
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.31E+03	2.04
PCB-96 22'366'-PeCB	ND		1.0146					0.97	ND	2.31E+03	2.11
PCB-103 22'45'6'-PeCB	ND		0.8960					0.76	ND	4.40E+03	6.21
PCB-94 22'356'-PeCB	ND		0.9027					0.64	ND	4.40E+03	7.4
PCB-95 22'35'6'-PeCB	27.26	B	0.9159	0.9156	-0.5	1.48E+06	0.59	0.72	216	4.40E+03	6.52
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.72	ND	4.40E+03	6.57
PCB-102 22'456'-PeCB	27.56	J B EMPC	0.9261	0.9259	-0.3	7.19E+04	0.88	0.84	9.03	4.40E+03	5.62
PCB-98 22'34'6'-PeCB	ND		0.9284					0.84	ND	4.40E+03	5.61
PCB-88 22'346'-PeCB	ND		0.9386					0.69	ND	4.40E+03	6.86
PCB-91 22'34'6'-PeCB	28.01	B	0.9411	0.9408	-0.5	2.69E+05	0.59	0.73	38.8	4.40E+03	6.45
PCB-84 22'33'6'-PeCB	28.21	B	0.9479	0.9476	-0.5	3.93E+05	0.57	0.61	68	4.40E+03	7.74
PCB-89 22'346'-PeCB	ND		0.9617					0.73	ND	4.40E+03	6.46
PCB-121 23'45'6'-PeCB	ND		0.9725					1.10	ND	4.40E+03	4.3
PCB-92 22'355'-PeCB	29.29	B EMPC	0.9838	0.9837	-0.2	2.32E+05	0.48	0.68	36	4.40E+03	6.96
PCB-113/90/101 ...-PeCB	29.79	B C	1.0000	1.0007	+1.3	1.76E+06	0.61	0.81	230	4.40E+03	5.85
PCB-83 22'33'5'-PeCB	30.21	J B EMPC	1.0148	1.0146	-0.4	4.27E+04	0.39	0.54	8.32	4.40E+03	8.72
PCB-99 22'44'5'-PeCB	30.29	B EMPC	1.0176	1.0176	0	6.83E+05	0.74	0.99	72.8	4.40E+03	4.77
PCB-112 233'56'-PeCB	ND		1.0213					1.14	ND	4.40E+03	4.15

Lab ID: B9847_21458_PCB_008

ACQ: 08-Oct-2024 14:06:57 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Field Blank

UTP: 11-Oct-2024 12:38:18 JLJ

J-level: 20 pg Split: 2

Checkcode: 032-384-KQW/C

Datafile: 241007B22

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-109/119/86/97/125...-PeCB	30.79	B C	1.0330	1.0341	+2.0	1.05E+06	0.69	0.88	126	4.40E+03	5.39
PCB-117 234'56-PeCB	31.28	J B EMPC	1.0509	1.0508	-0.2	3.09E+04	0.40	0.85	3.83	4.40E+03	5.54
PCB-116/85 23456/22'344'-PeCB	31.37	J B C	1.0538	1.0537	-0.2	1.94E+05	0.60	0.84	24.4	4.40E+03	5.62
PCB-110 233'4'6-PeCB	31.51	B	1.0582	1.0583	+0.2	1.73E+06	0.65	1.09	167	4.40E+03	4.31
PCB-115 2344'6-PeCB	ND		1.0605					1.03	ND	4.40E+03	4.56
PCB-82 22'33'4-PeCB	31.79	J B EMPC	1.0679	1.0679	0	9.38E+04	0.78	0.69	14.3	4.40E+03	6.84
PCB-111 233'55'-PeCB	ND		1.0779					0.95	ND	4.40E+03	4.96
PCB-120 23'455'-PeCB	ND		1.0913					1.15	ND	4.40E+03	4.11
PCB-108/124 ...-PeCB	33.47	J C	0.9915	0.9913	-0.4	5.58E+04	0.63	0.91	6.45	4.40E+03	5.17
PCB-107 233'4'5-PeCB	33.71	J B	0.9976	0.9984	+1.6	7.84E+04	0.55	1.00	8.27	4.40E+03	4.72
PCB-106 233'45-PeCB	ND		1.0039					0.95	ND	4.40E+03	4.95
PCB-122 233'4'5'-PeCB	ND		1.0095					0.76	ND	4.40E+03	6.55
PCB-127 33'455'-PeCB	ND		1.0357					0.96	ND	4.40E+03	5.6
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	1.83E+03	1.51
PCB-152 22'3566'-HxCB	ND		1.0072					0.98	ND	1.83E+03	1.47
PCB-150 22'34'66'-HxCB	ND		1.0118					0.84	ND	1.83E+03	1.71
PCB-136 22'33'66'-HxCB	30.24	B	1.0228	1.0229	+0.2	3.44E+05	1.33	0.79	35.7	1.83E+03	1.82
PCB-145 22'3466'-HxCB	ND		1.0313					0.91	ND	1.83E+03	1.58
PCB-148 22'34'56'-HxCB	ND		1.0741					0.91	ND	1.83E+03	2.38
PCB-151/135 ...-HxCB	32.29	B C	1.0925	1.0924	-0.2	4.76E+05	1.20	0.89	60.9	1.83E+03	2.44
PCB-154 22'44'56'-HxCB	32.48	J EMPC	1.0987	1.0987	0	1.99E+04	0.73	0.95	2.37	1.83E+03	2.28
PCB-144 22'345'6-HxCB	32.78	J B EMPC	1.1082	1.1088	+1.2	8.49E+04	1.50	0.87	11.1	1.83E+03	2.49
PCB-147/149 ...-HxCB	33.07	B C	1.1186	1.1187	+0.2	1.14E+06	1.25	0.96	136	1.83E+03	2.27
PCB-134 22'33'56-HxCB	33.26	J B EMPC	1.1248	1.1251	+0.6	6.09E+04	0.77	0.71	9.73	1.83E+03	3.05
PCB-143 22'3456'-HxCB	ND		1.1273					0.85	ND	1.83E+03	2.56
PCB-139/140 ...-HxCB	ND	C	1.1359					0.93	ND	1.83E+03	2.35
PCB-131 22'33'46-HxCB	ND		1.1421					0.80	ND	1.83E+03	2.7
PCB-142 22'3456-HxCB	ND		1.1468					0.78	ND	1.83E+03	2.78
PCB-132 22'33'46'-HxCB	34.16	B	1.1554	1.1556	+0.4	3.98E+05	1.14	0.81	56.1	1.83E+03	2.69
PCB-133 22'33'55'-HxCB	ND		1.1687					0.90	ND	1.83E+03	2.42
PCB-165 233'55'6-HxCB	ND		0.9511					1.00	ND	1.83E+03	2.17
PCB-146 22'34'55'-HxCB	35.11	J B	0.9569	0.9569	0	1.62E+05	1.16	1.00	18.5	1.83E+03	2.18
PCB-161 233'45'6-HxCB	ND		0.9601					1.19	ND	1.83E+03	1.83
PCB-153/168 ...-HxCB	35.64	B C	0.9717	0.9712	-1.1	9.90E+05	1.35	1.09	104	1.83E+03	2
PCB-141 22'3455'-HxCB	35.82	B EMPC	0.9761	0.9761	0	1.40E+05	0.83	0.79	20.2	1.83E+03	2.76
PCB-130 22'33'45'-HxCB	ND		0.9856					0.67	ND	1.83E+03	3.26
PCB-137 22'344'5-HxCB	ND		0.9907					0.71	ND	1.83E+03	3.04
PCB-164 233'4'5'6-HxCB	ND		0.9933					1.18	ND	1.83E+03	1.85
PCB-163/138/129 ...-HxCB	36.72	B C	1.0011	1.0006	-1.1	8.92E+05	1.20	0.85	120	1.83E+03	2.57
PCB-160 233'456-HxCB	ND		1.0047					1.00	ND	1.83E+03	2.18
PCB-158 233'44'6-HxCB	37.05	J B	1.0097	1.0098	+0.2	1.18E+05	1.42	1.09	12.4	1.83E+03	2

Lab ID: B9847_21458_PCB_008

ACQ: 08-Oct-2024 14:06:57 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241007_PCB_BD

Client ID: Field Blank

UTP: 11-Oct-2024 12:38:18 JLJ

J-level: 20 pg Split: 2

Checkcode: 032-384-KQW/C

Datafile: 241007B22

RPT: 11-Oct-2024 12:56 JJ

StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

Method 1668C

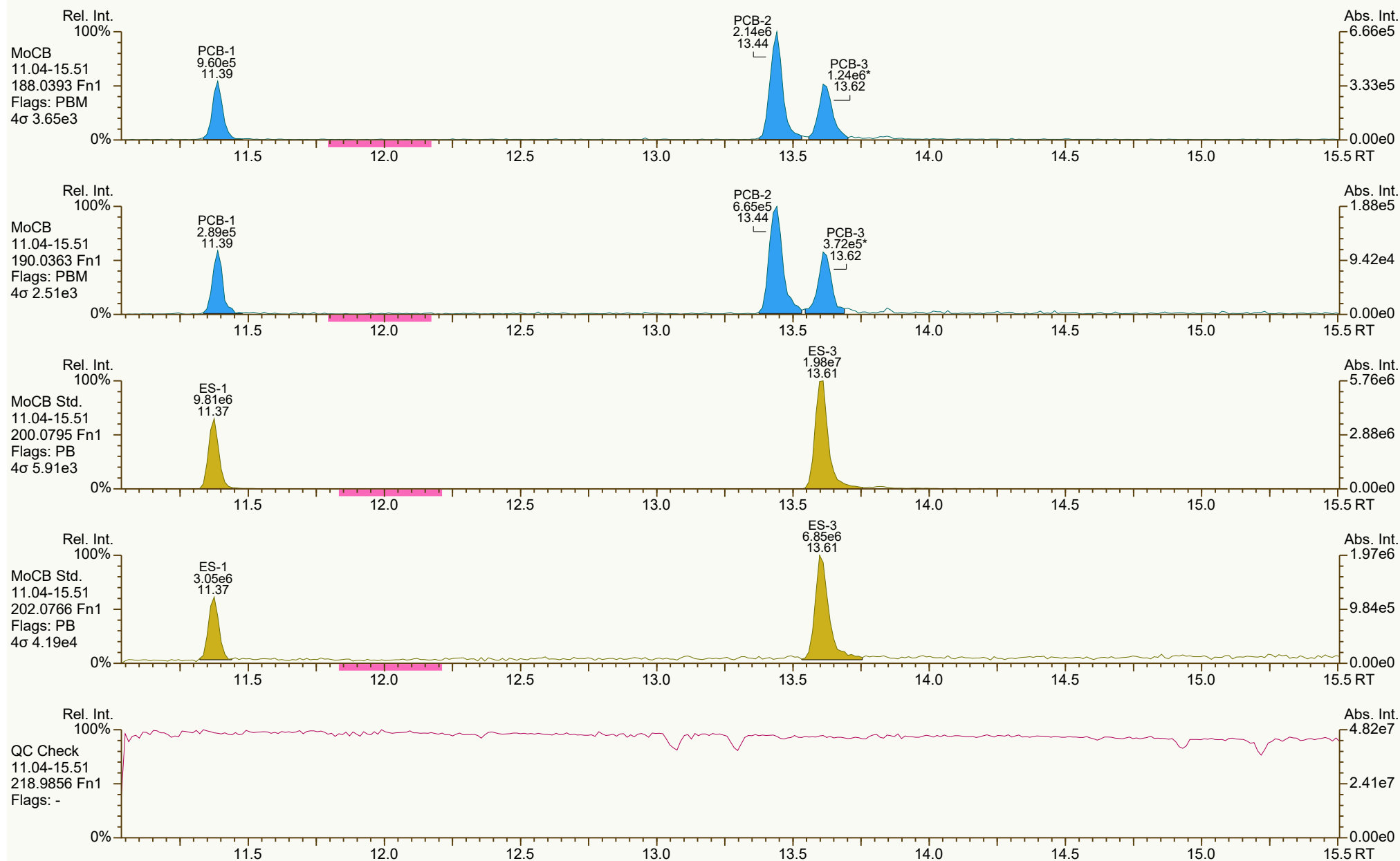
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.81	J B EMPC C	0.9631	0.9634	+0.7	1.16E+05	0.99	0.90	17.4	2.85E+03	4.65
PCB-159 233'455'-HxCB	ND		0.9839					1.13	ND	2.85E+03	3.69
PCB-162 233'4'55'-HxCB	ND		0.9901					0.95	ND	2.85E+03	4.42
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	1.93E+03	2.18
PCB-179 22'33'566'-HpCB	34.78	J B EMPC	1.0095	1.0094	-0.2	1.32E+05	1.53	1.02	12.9	1.93E+03	2.05
PCB-184 22'344'66'-HpCB	ND		1.0221					0.95	ND	1.93E+03	2.21
PCB-176 22'33'466'-HpCB	ND		1.0313					0.86	ND	1.93E+03	2.45
PCB-186 22'34566'-HpCB	ND		1.0428					1.03	ND	1.93E+03	2.04
PCB-178 22'33'55'6'-HpCB	ND		1.0758					0.66	ND	1.93E+03	3.17
PCB-175 22'33'45'6'-HpCB	ND		1.0915					0.97	ND	2.52E+03	4.48
PCB-187 22'34'55'6'-HpCB	37.84	B	1.0982	1.0982	0	2.15E+05	1.07	1.21	29.2	2.52E+03	3.6
PCB-182 22'344'56'-HpCB	ND		1.1032					1.17	ND	2.52E+03	3.71
PCB-183 22'344'5'6'-HpCB	38.37	J B EMPC	1.1133	1.1133	0	8.58E+04	0.69	1.00	14	2.52E+03	4.34
PCB-185 22'3455'6'-HpCB	38.46	J EMPC	1.1161	1.1160	-0.2	1.62E+04	0.78	0.94	2.83	2.52E+03	4.62
PCB-174 22'33'456'-HpCB	38.58	B EMPC	1.1195	1.1196	+0.2	1.55E+05	0.87	1.02	24.9	2.52E+03	4.27
PCB-177 22'33'45'6'-HpCB	38.95	J B EMPC	1.1304	1.1304	0	6.47E+04	0.84	0.98	10.8	2.52E+03	4.43
PCB-181 22'344'56-HpCB	ND		1.1402					1.03	ND	2.52E+03	4.22
PCB-171/173 ...-HpCB	39.49	J EMPC C	1.1458	1.1459	+0.2	4.31E+04	0.78	0.88	8.02	2.52E+03	4.94
PCB-172 22'33'455'-HpCB	40.85	J EMPC	0.9058	0.9055	-0.7	2.67E+04	1.20	0.86	5.09	2.52E+03	5.07
PCB-192 233'455'6'-HpCB	ND		0.9112					1.22	ND	2.52E+03	3.58
PCB-180/193 ...-HpCB	41.41	J B EMPC C	0.9175	0.9178	+0.7	1.60E+05	0.78	1.01	26	2.52E+03	4.31
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.05	ND	2.52E+03	4.17
PCB-170 22'33'44'5'-HpCB	42.50	J B EMPC	0.9422	0.9420	-0.5	4.29E+04	0.72	0.93	9.26	2.52E+03	5.85
PCB-190 233'44'56-HpCB	42.94	J	0.9521	0.9518	-0.8	4.23E+04	1.14	1.27	6.75	2.52E+03	4.32
PCB-202 22'33'55'66'-OoCB	39.04	J EMPC	1.0006	1.0005	-0.2	3.96E+04	1.05	0.96	5.43	2.28E+03	2.97
PCB-201 22'33'45'66'-OoCB	39.81	J EMPC	1.0206	1.0202	-1.0	1.61E+04	1.63	0.79	2.66	2.28E+03	3.59
PCB-204 22'344'566'-OoCB	ND		1.0353					0.91	ND	2.28E+03	3.12
PCB-197 22'33'44'66'-OoCB	ND		1.0403					0.83	ND	2.28E+03	3.42
PCB-200 22'33'4566'-OoCB	ND		1.0430					0.81	ND	2.28E+03	3.53
PCB-198/199 ...-OoCB	43.04	J B EMPC C	1.1028	1.1030	+0.5	2.45E+04	1.44	0.63	5.05	2.28E+03	4.48
PCB-196 22'33'44'56'-OoCB	43.62	J B	1.1176	1.1179	+0.8	2.18E+04	0.97	0.54	5.25	2.28E+03	5.23
PCB-203 22'344'55'6'-OoCB	43.78	J B EMPC	1.1219	1.1220	+0.3	3.45E+04	1.05	0.67	6.76	2.28E+03	4.25
PCB-195 22'33'44'56-OoCB	ND		0.9493					0.91	ND	1.79E+03	6.03
PCB-194 22'33'44'55'-OoCB	ND		0.9912					0.86	ND	1.79E+03	6.37
PCB-205 233'44'55'6-OoCB	ND		1.0004					0.92	ND	1.79E+03	5.95
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	3.34E+03	7.85
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.87	ND	3.34E+03	8.65
PCB-206 22'33'44'55'6-NoCB	ND		1.0005					0.93	ND	3.34E+03	16
AS PCB-32	19.858		1.2602	1.2601	-0.1	4.96E+07	1.07	0.84	94 %	50%	150%
AS PCB-97	30.715		1.0318	1.0318	0	2.96E+07	1.61	0.85	81.3 %	50%	150%
AS PCB-159	38.599		1.0518	1.052	+0.5	3.46E+07	1.23	1.16	81.2 %	50%	150%



SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



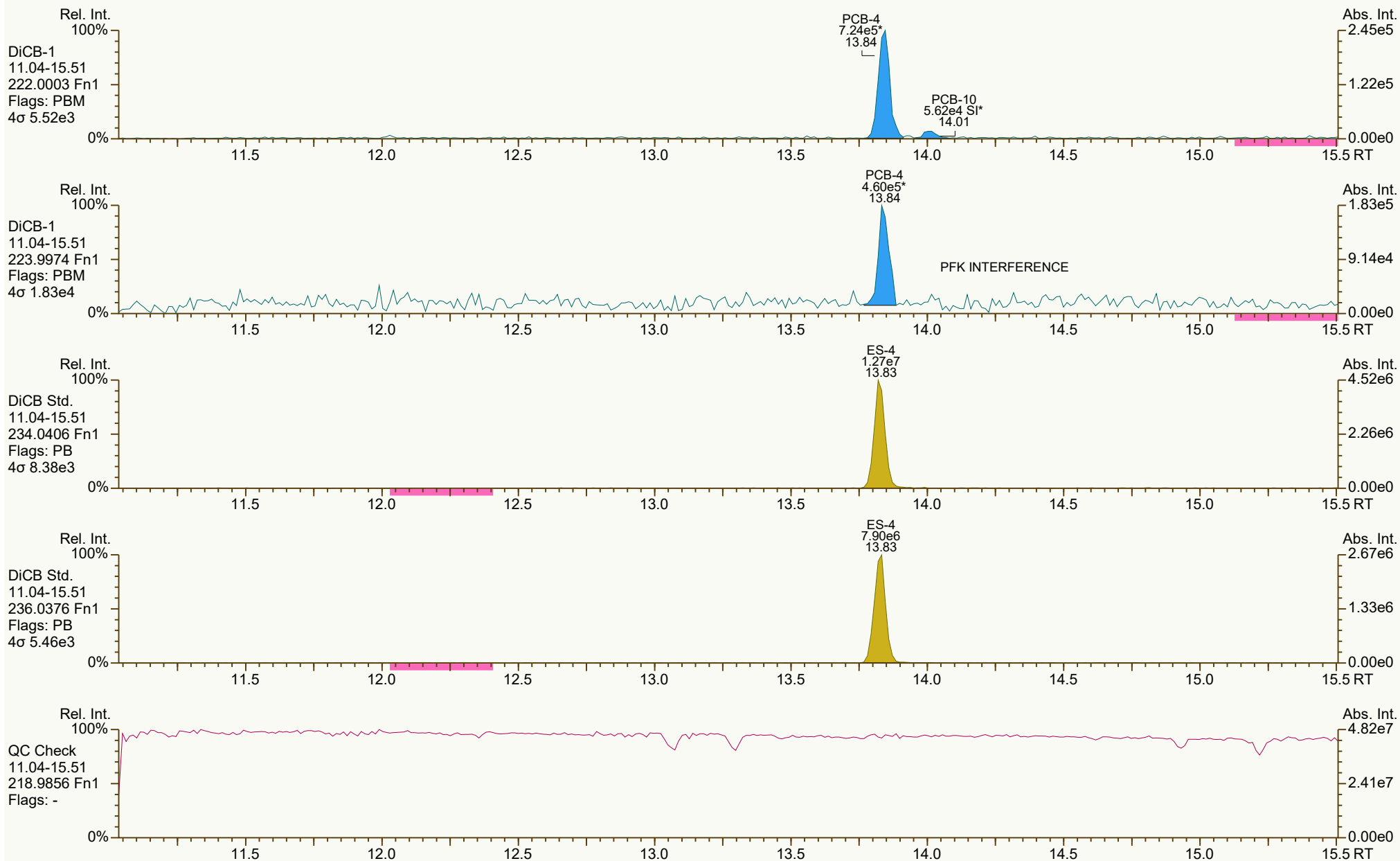
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2018, 6695 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 2 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



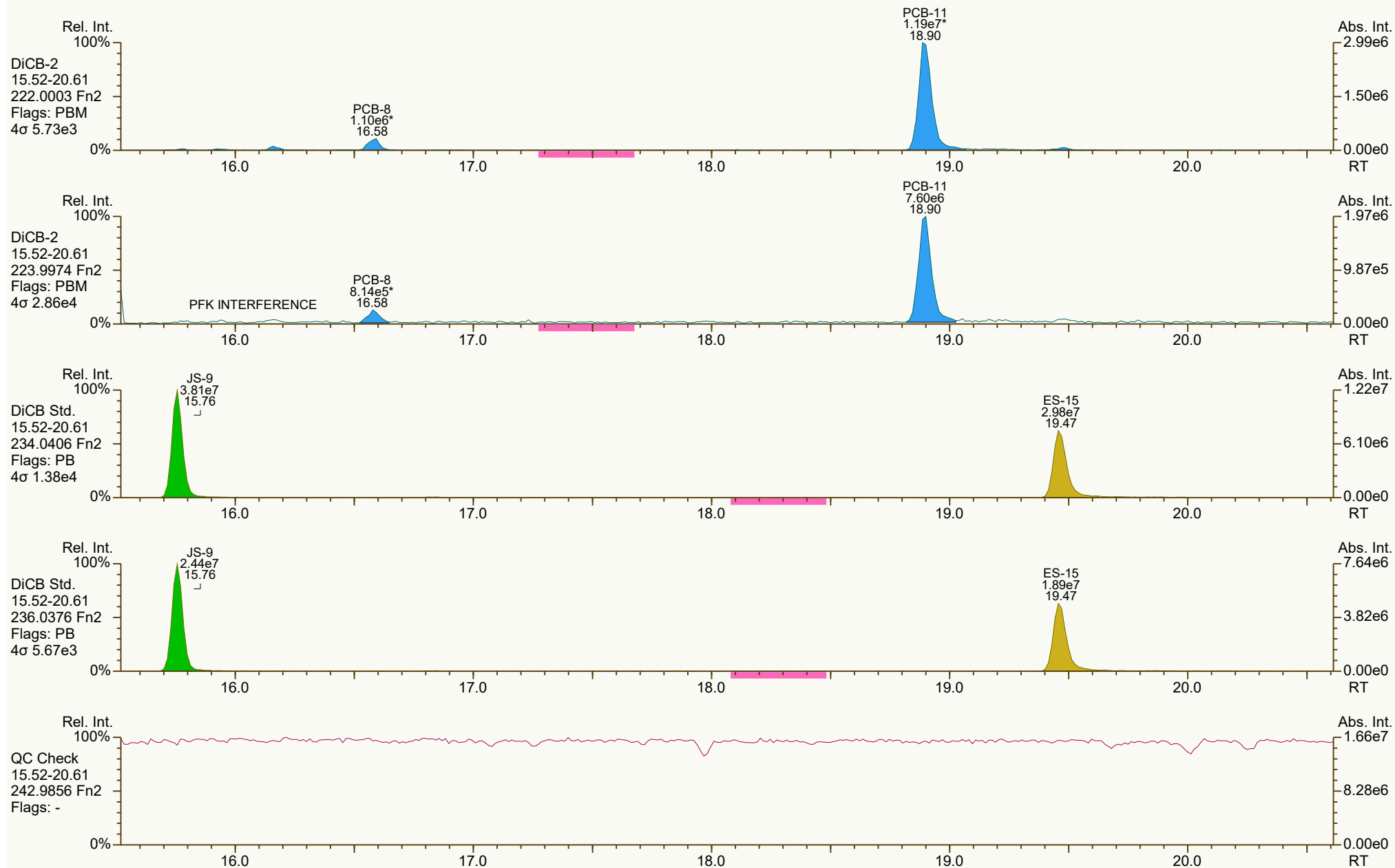
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3493, 5535 scc: 032-384

Peak annotation: Areas, Centroids
Revised: 11-Oct-2024 11:27 (JLJ) Printed: 11-Oct-2024 13:03 Page 3 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



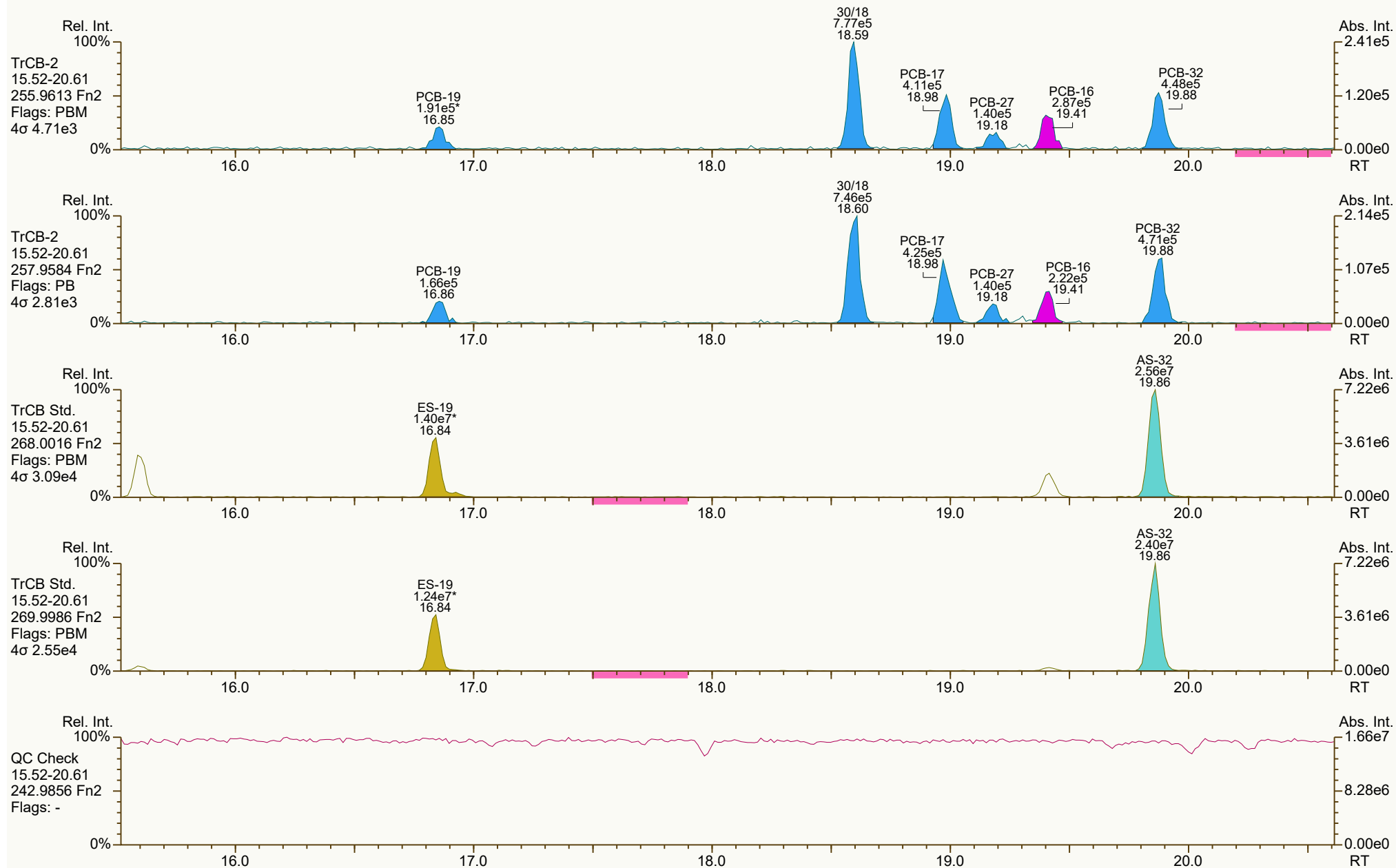
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5387, 8019 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 4 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



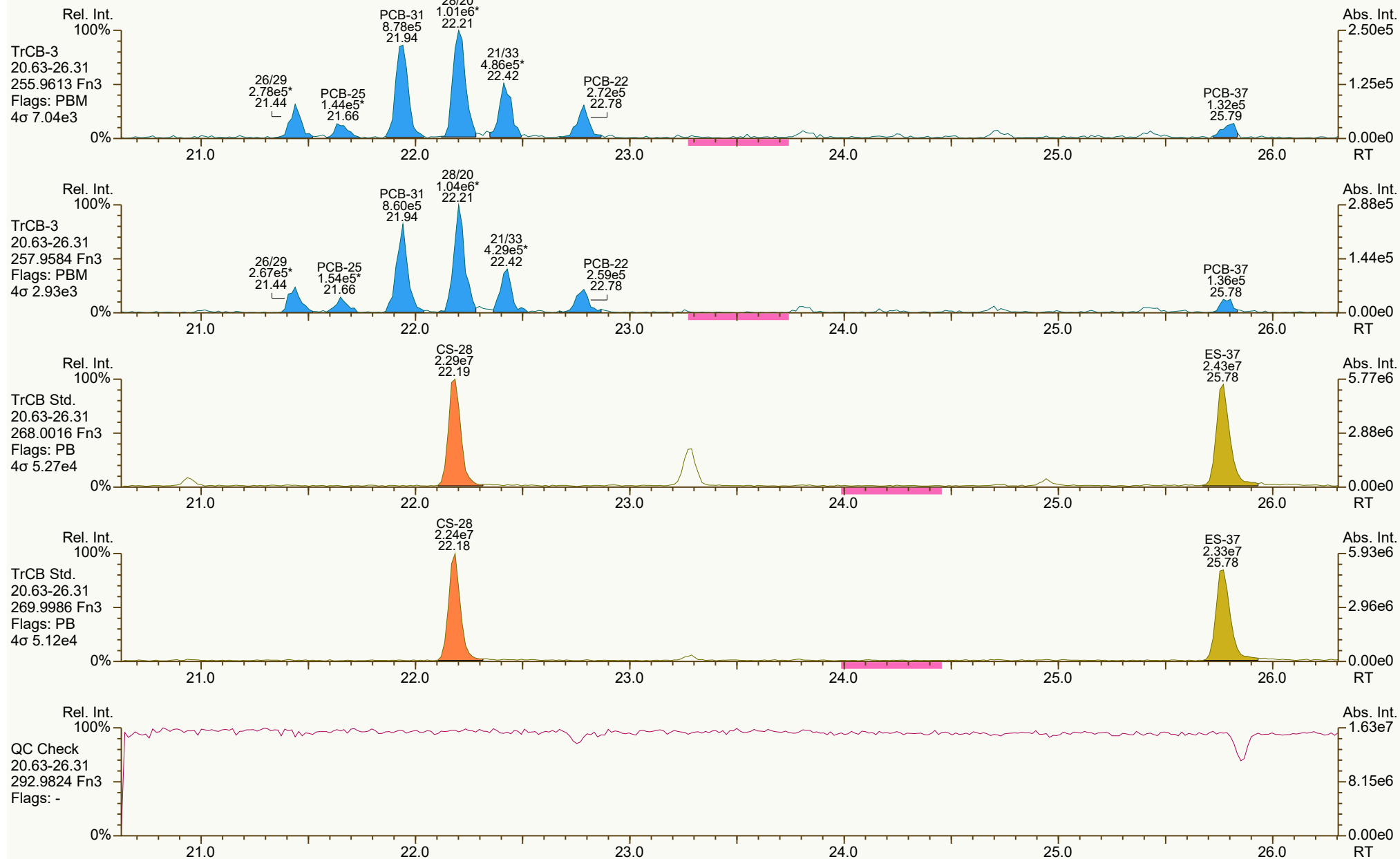
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8614, 3931 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 5 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6119, 9011 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 6 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



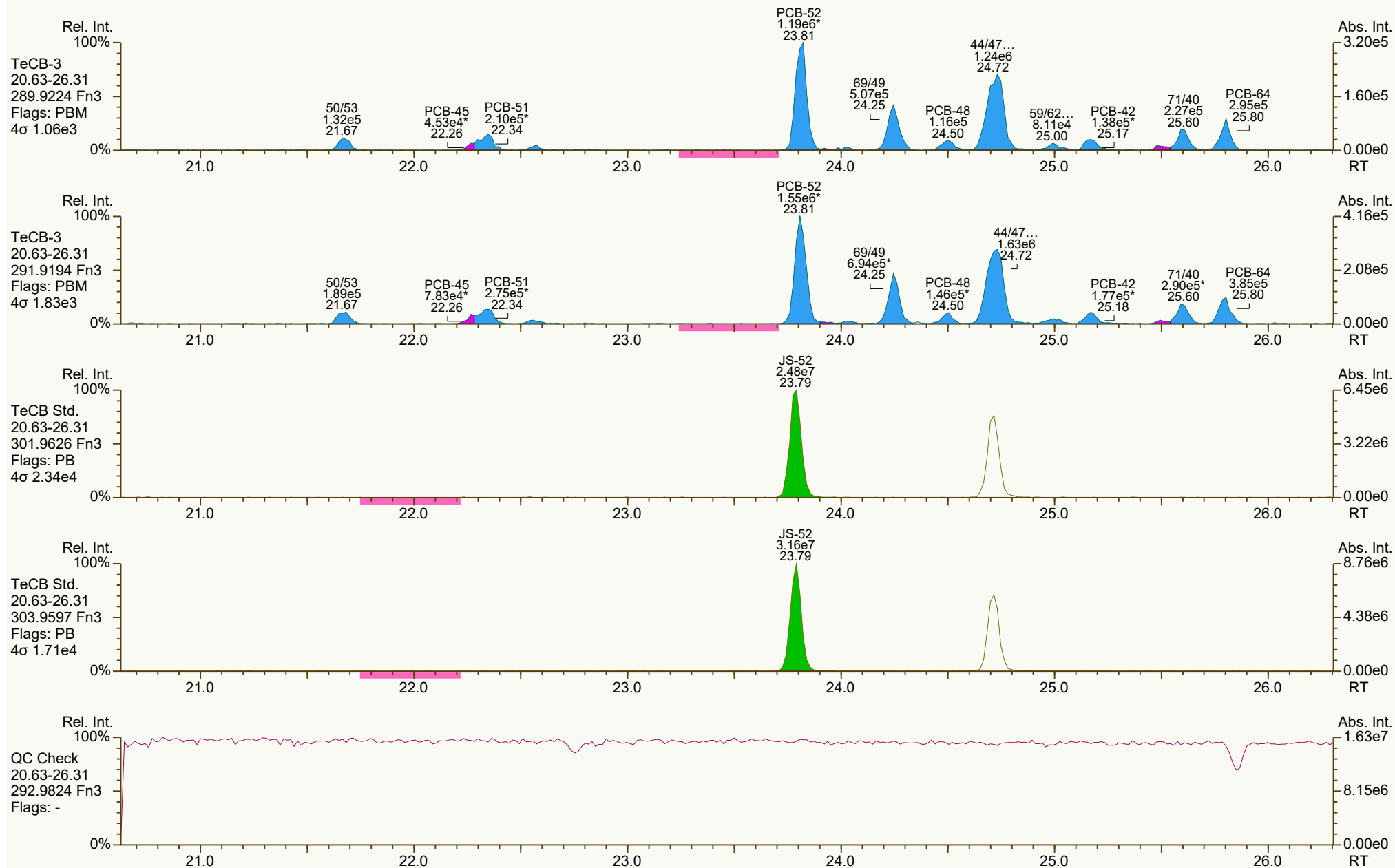
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6735, 9123 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 7 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



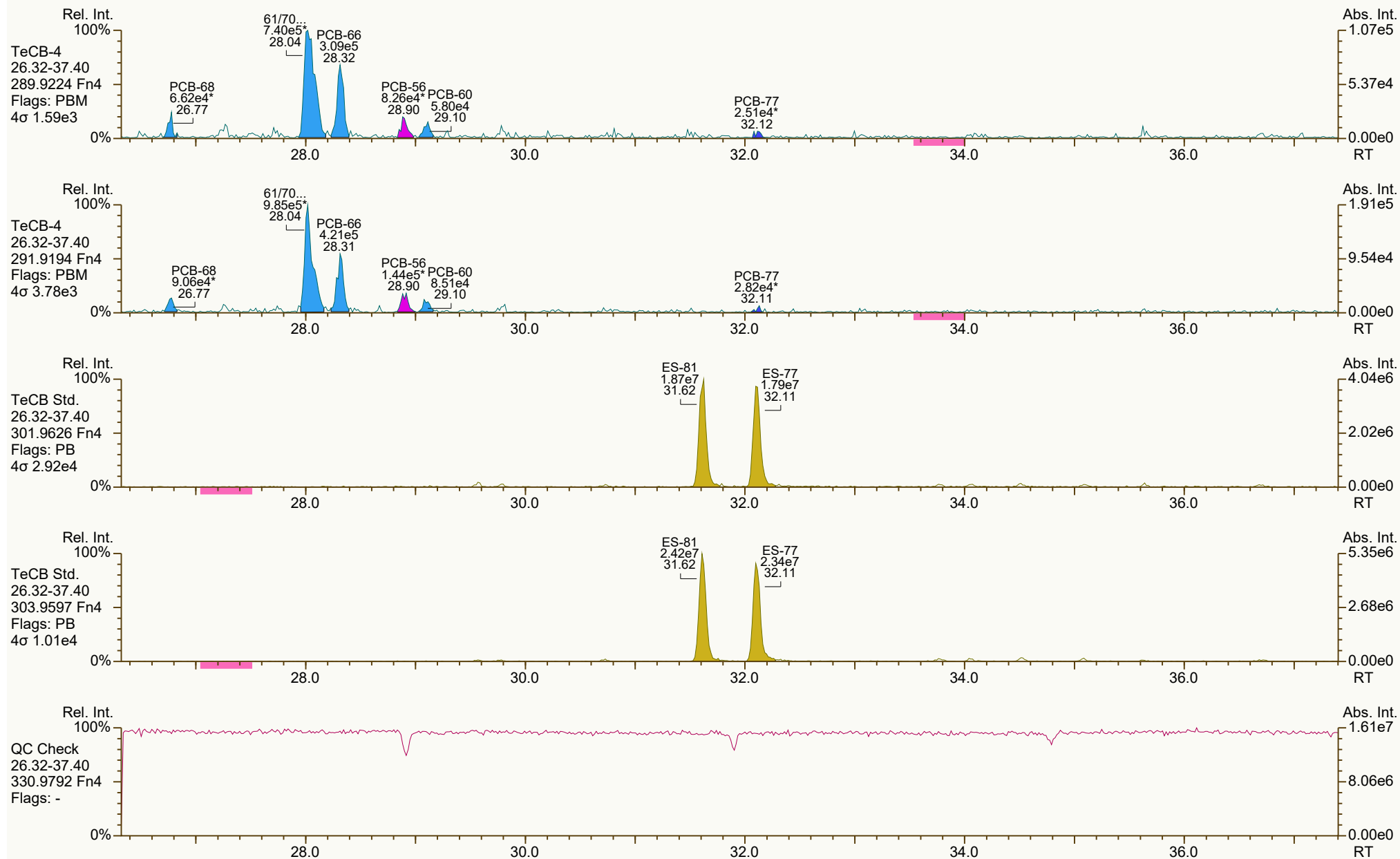
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5485, 6954 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 8 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6670, 5048 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 9 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2173, 0214 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 10 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



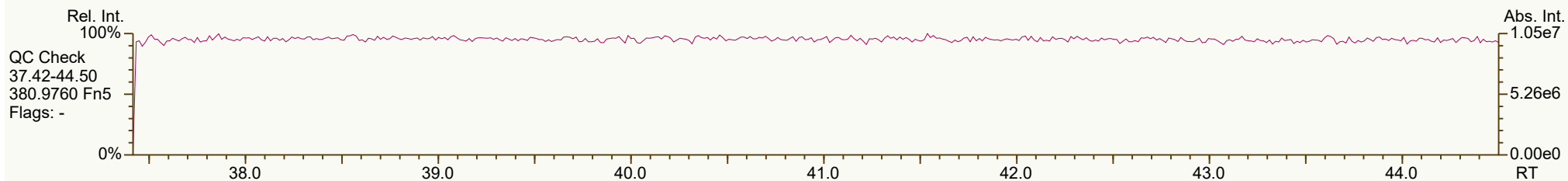
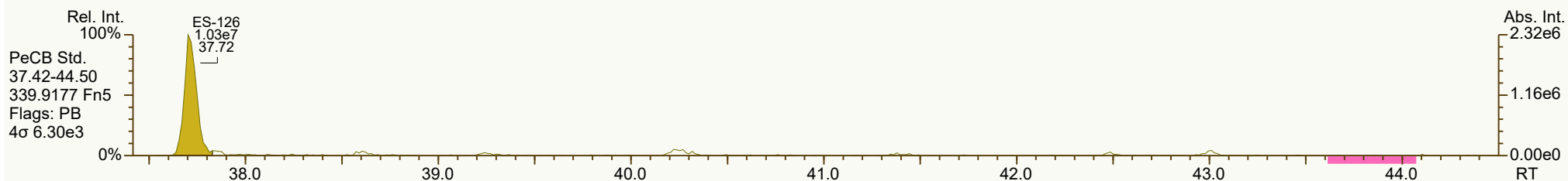
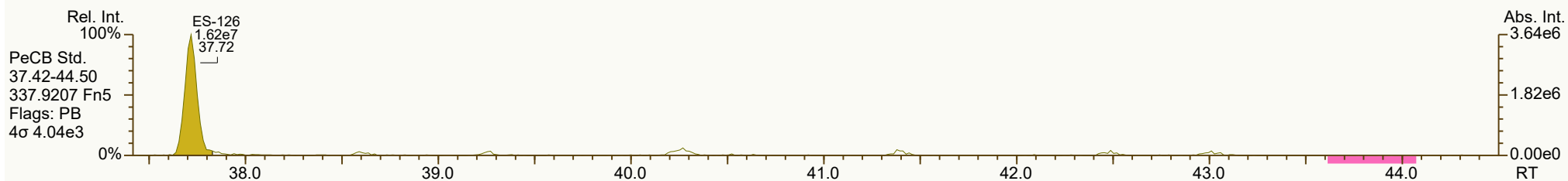
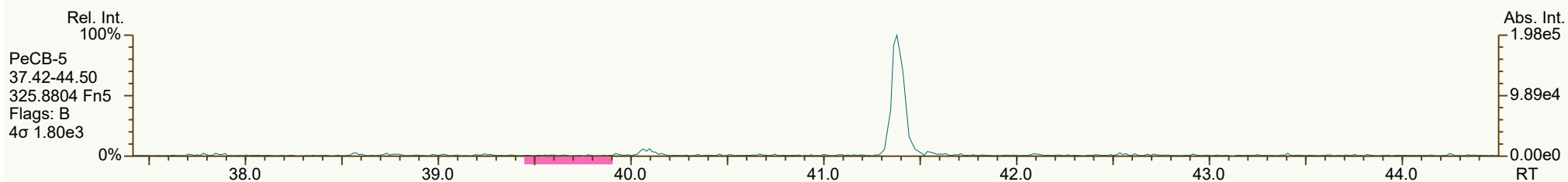
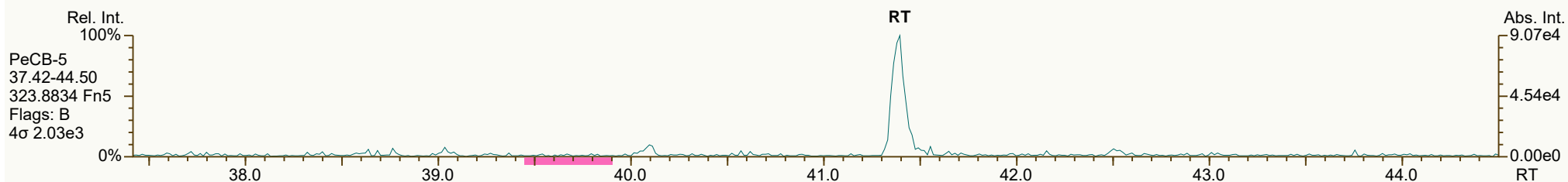
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1268, 9157 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 11 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3645, 9836 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 12 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1598, 1780 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 13 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2489, 2961 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 14 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7855, 7327 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 15 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



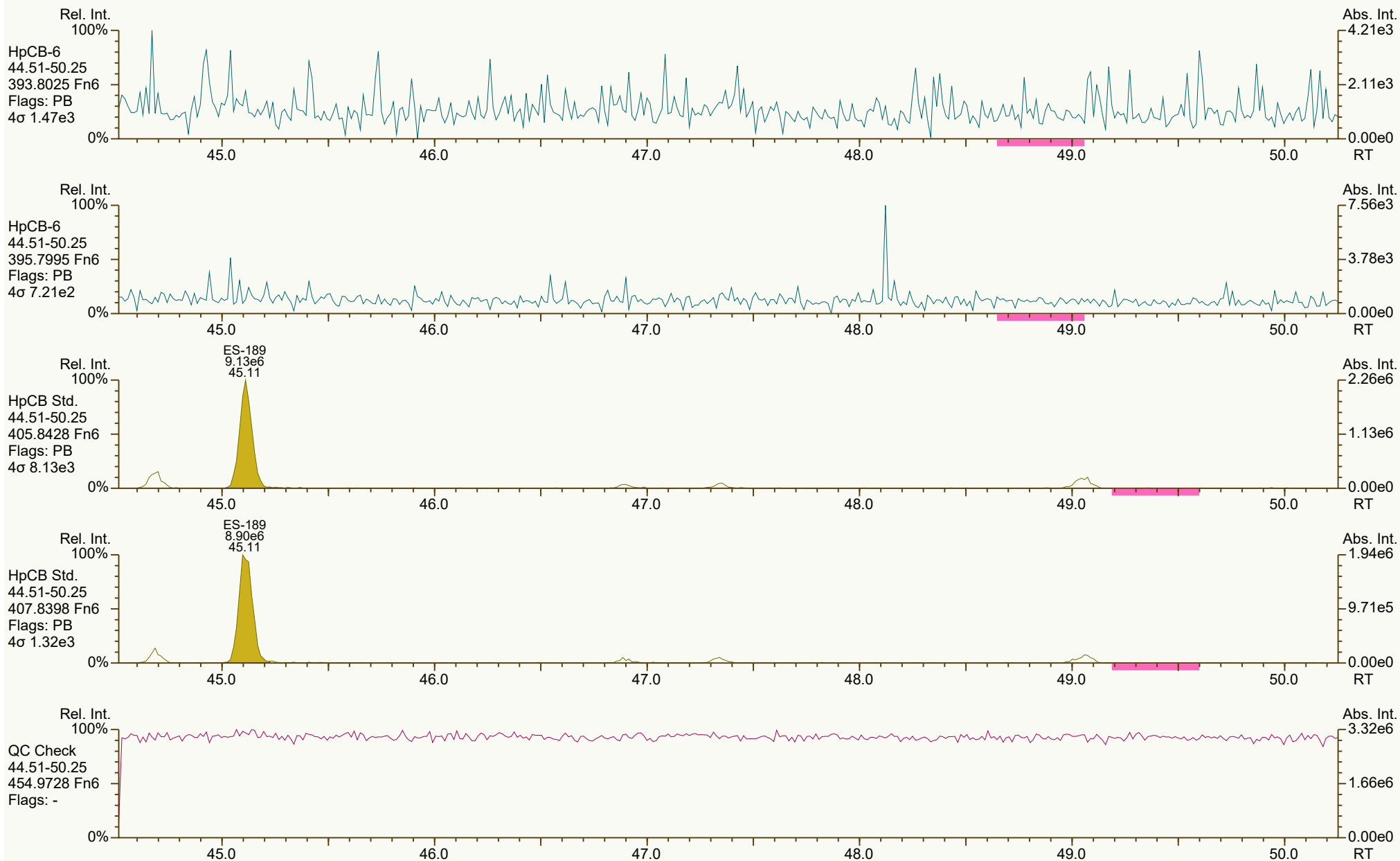
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5932, 8718 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 16 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7708, 9096 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 17 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



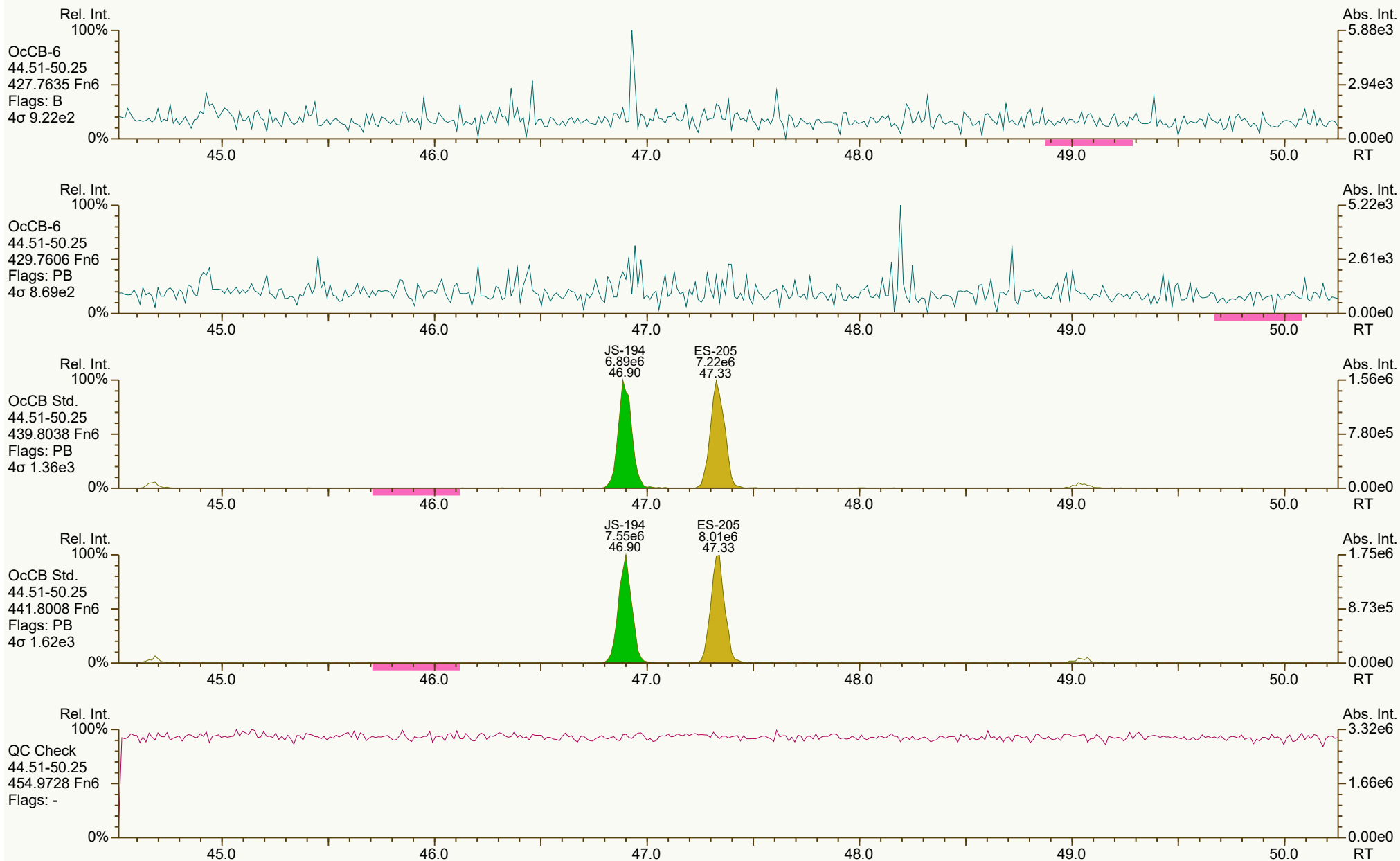
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9409, 5760 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 18 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



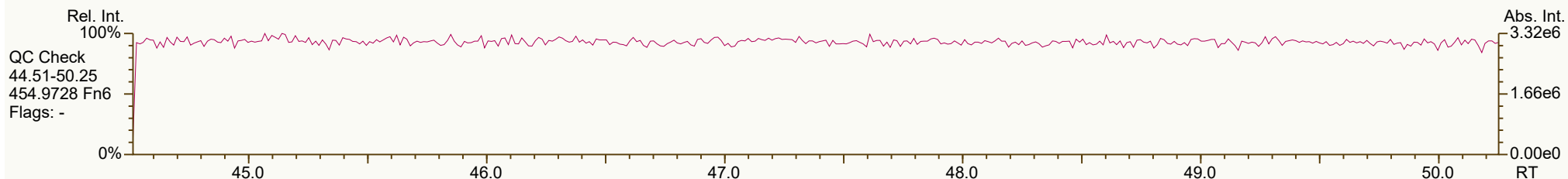
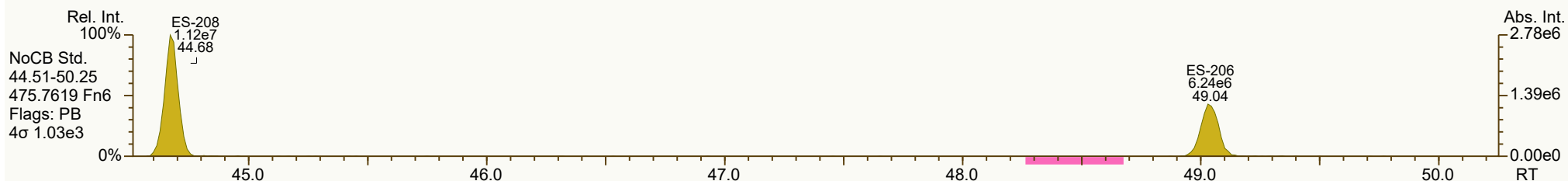
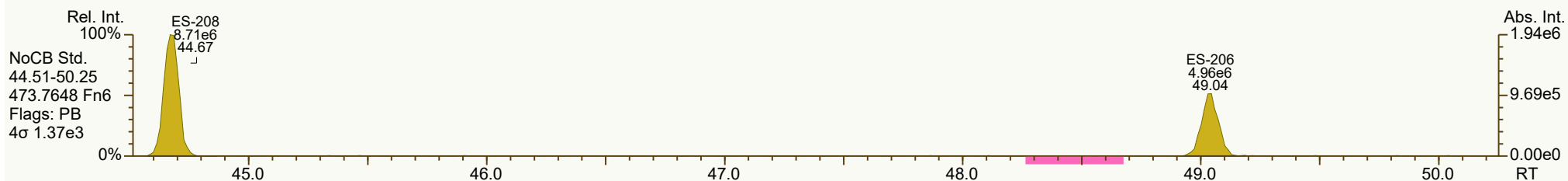
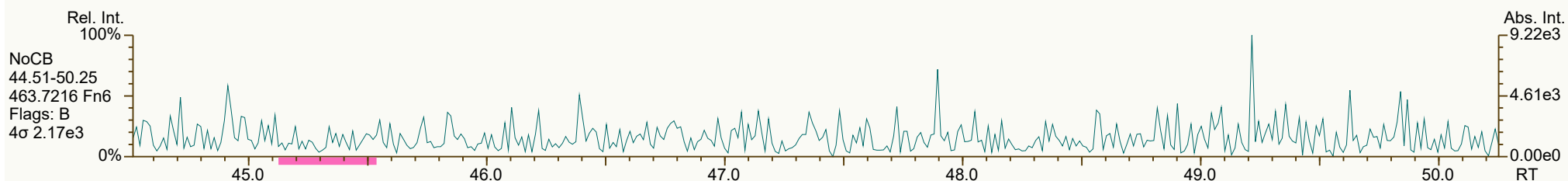
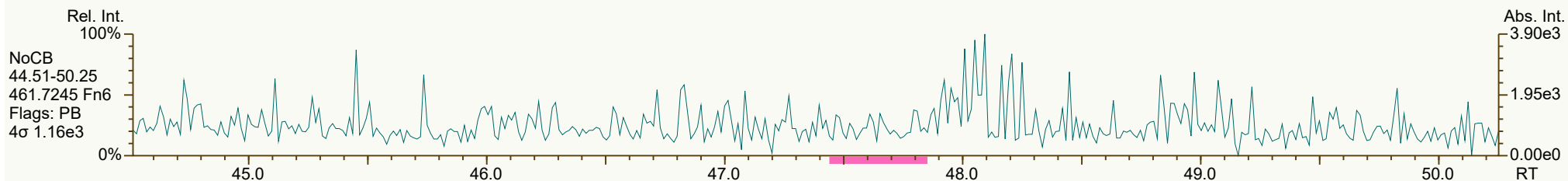
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4083, 0787 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 19 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



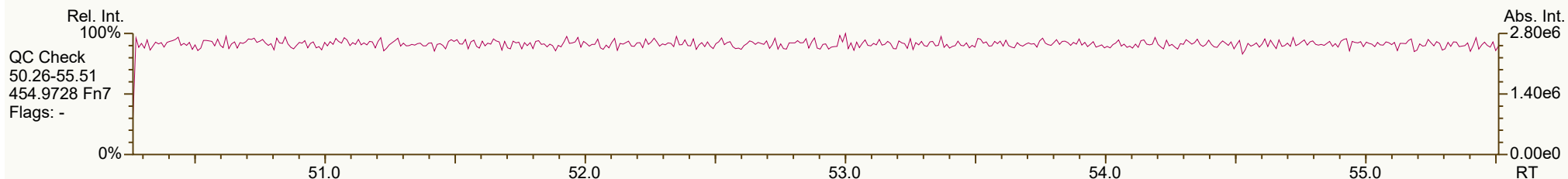
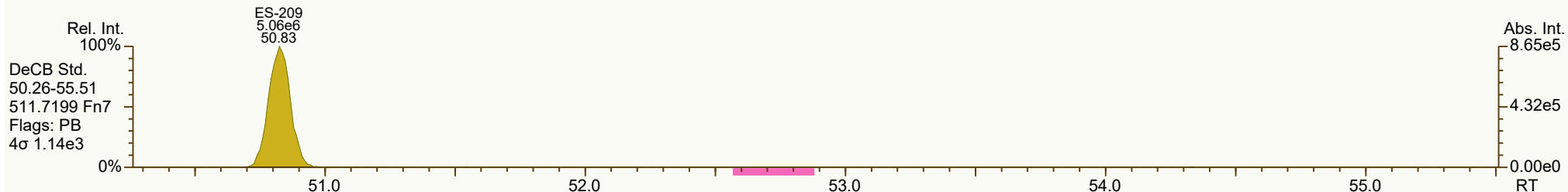
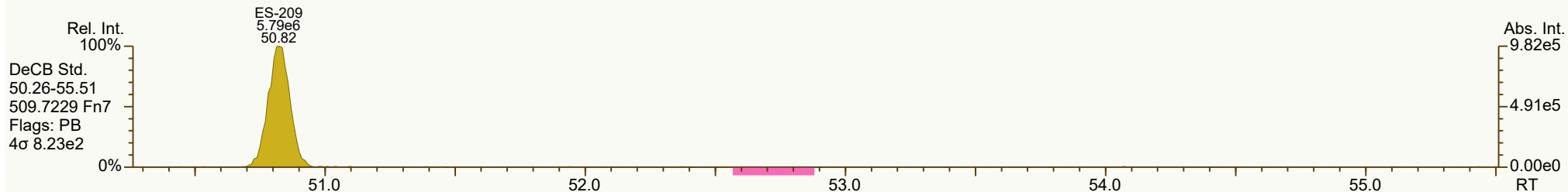
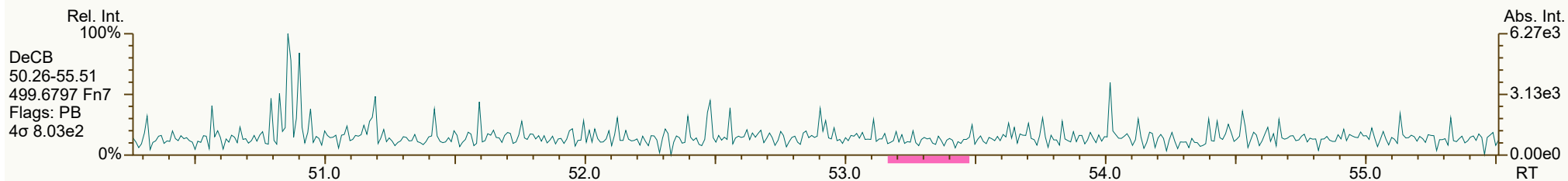
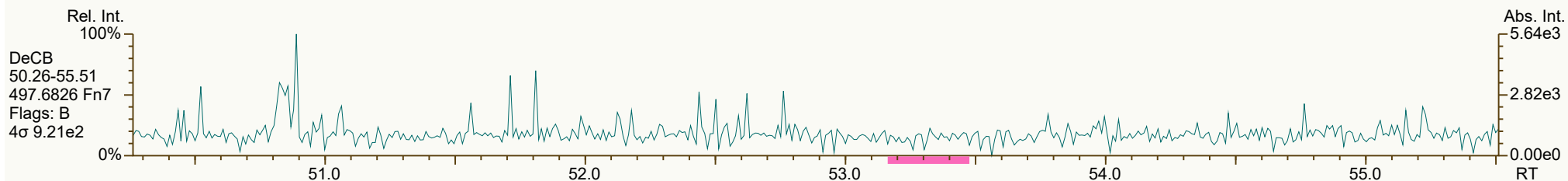
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1798, 6012 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 20 of 21

SGS ID: B9847_21458_PCB_008
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 61

Acq: 08-Oct-2024 14:06:57
User: JLJ Datafile: 241007B22



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\B9847_21458_PCB_008.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2230, 0324 scc: 032-384

Peak annotation: Areas, Centroids
PKD: 11-Oct-2024 11:54 Printed: 11-Oct-2024 13:03 Page 21 of 21

SGS Environmental Services — Run Log

Project: B9847_21458_PAH

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pah

GC Program: pah

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
6	240930V06	7	BCS3_21458_PAH_VA	1.00	BCS3_21458_PAH_VA	DTF	933-599	30-Sep-2024	18:39:45
7	240930V07	4	SB_240930_PAH_VA	1.00	Isooctane	DTF	073-967	30-Sep-2024	19:26:28
8	240930V08	8	MB1_21458_PAH_SDS	1.00	Method Blank	DTF	375-454	30-Sep-2024	20:13:10
9	240930V16	16	B9847_21458_PAH_008	1.00	Field Blank Archive analyzed	DTF	874-736	01-Oct-2024	02:26:57
10	240930V17	4	SB_240930_PAH_VB	1.00	Isooctane	DTF	161-923	01-Oct-2024	03:13:40
18	240930V18	7	BCS3_21458_PAH_VB	1.00	BCS3_21458_PAH_VB	DTF	657-850	01-Oct-2024	04:00:23
19	240930V20	4	SB_240930_PAH_VC	1.00	Isooctane	DTF	165-655	01-Oct-2024	05:34:56
20	240930V21	17	B9847_21458_PAH_001-D10	1.00	Test #1 Mill on	DTF	452-699	01-Oct-2024	06:21:41
21	240930V22	18	B9847_21458_PAH_002-D10	1.00	Test #2 Mill on	DTF	069-512	01-Oct-2024	07:08:25
22	240930V23	19	B9847_21458_PAH_003-D10	1.00	Test #3 Mill on	DTF	966-963	01-Oct-2024	07:55:11
23	240930V24	20	B9847_21458_PAH_004-D10	1.00	Test #4 Mill on	DTF	513-707	01-Oct-2024	08:41:57
24	240930V25	21	B9847_21458_PAH_005-D10	1.00	Test #1 Mill off	DTF	222-292	01-Oct-2024	09:28:36
25	240930V26	22	B9847_21458_PAH_006-D10	1.00	Test #2 Mill off	DTF	158-302	01-Oct-2024	10:15:16
26	240930V27	23	B9847_21458_PAH_007-D10	1.00	Test #3 Mill off	DTF	894-346	01-Oct-2024	11:01:56
29	240930V29	7	BCS3_21458_PAH_VC	1.00	BCS3_21458_PAH_VC	DTF	254-055	01-Oct-2024	12:35:21

REVIEWED

Tyler_Fritz , 10/2/2024, 11:29:37 AM

ICAL did not meet SOP or Method % RSD criteria for Acenaphthylene, Benzo(k)Fluoranthene, Benzo(a)Pyrene or Perylene
AK 8 Oct 24

REVIEWED

Amber_Kornegay , 10/8/2024, 12:45:43 PM

HR-PAH BCS3 Summary

SGS North America

Printed: 2-Oct-24 11:05

BCS3_21458_PAH_VA
30 Sep 2024 18:39:45
240930V06

BCS3_21458_PAH_VB
01 Oct 2024 04:00:23
240930V18

BCS3_21458_PAH_VAB
MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	RT	Response	RA	ICAL	BCS3_A	BCS3_B	AB Avg	A-I	B-I	AB RPD
Naphthalene	10.43	2.70E+08	-	10.42	2.93E+08	-	0.99	1.23	1.26	1.24	23.8%	27.2%	2.7%
2-Methylnaphthalene	13.01	1.79E+08	-	12.99	1.88E+08	-	1.01	1.10	1.18	1.14	9.2%	16.9%	6.8%
Acenaphthylene	15.97	1.55E+08	-	15.96	1.82E+08	-	0.92	0.87	0.98	0.92	-5.7%	5.8%	11.5%
Acenaphthene	16.53	1.41E+08	-	16.51	1.50E+08	-	1.01	1.29	1.28	1.28	26.8%	25.9%	0.7%
Fluorene	18.12	1.47E+08	-	18.11	1.62E+08	-	1.02	1.03	1.03	1.03	1.2%	1.7%	0.5%
Phenanthrene	20.85	2.55E+08	-	20.84	2.62E+08	-	1.00	1.08	1.19	1.13	7.9%	19.7%	10.4%
Anthracene	20.99	2.44E+08	-	20.98	2.57E+08	-	1.23	1.15	1.25	1.20	-6.8%	1.2%	8.3%
Fluoranthene	23.98	2.19E+08	-	23.97	2.30E+08	-	0.92	0.96	0.95	0.96	5.3%	4.0%	1.3%
Pyrene	24.56	2.29E+08	-	24.55	2.41E+08	-	0.98	1.02	1.02	1.02	4.3%	4.3%	0.0%
Benzo(a)Anthracene	27.65	1.79E+08	-	27.64	1.95E+08	-	1.00	1.13	1.17	1.15	12.8%	16.9%	3.6%
Chrysene	27.76	1.95E+08	-	27.74	2.14E+08	-	1.01	1.12	1.18	1.15	11.2%	16.7%	4.8%
Benzo(b)Fluoranthene	31.31	1.17E+08	-	31.29	1.09E+08	-	0.98	1.11	1.08	1.09	12.8%	10.0%	2.6%
Benzo(k)Fluoranthene	31.42	1.11E+08	-	31.40	1.04E+08	-	0.92	0.95	0.92	0.94	3.7%	0.5%	3.1%
Benzo(e)Pyrene	32.48	1.20E+08	-	32.46	1.13E+08	-	0.98	1.19	1.18	1.18	21.7%	21.0%	0.6%
Benzo(a)Pyrene	32.71	1.08E+08	-	32.70	1.00E+08	-	0.98	1.18	1.13	1.16	20.7%	15.0%	4.8%
Perylene	33.09	8.71E+07	-	33.08	8.51E+07	-	1.06	1.26	1.22	1.24	19.2%	15.1%	3.5%
Indeno(1,2,3-cd)Pyrene	39.02	6.90E+07	-	39.00	8.18E+07	-	0.92	1.06	1.05	1.05	15.4%	14.2%	1.1%
Dibenzo(a,h)Anthracene	39.24	7.42E+07	-	39.21	8.77E+07	-	0.94	1.14	1.13	1.14	21.6%	20.9%	0.6%
Benzo(ghi)Perylene	40.89	8.56E+07	-	40.87	1.00E+08	-	0.97	1.13	1.08	1.10	16.2%	11.5%	4.1%

HR-PAH BCS3 Summary

SGS North America

Printed: 2-Oct-24 11:05

BCS3_21458_PAH_VA
30 Sep 2024 18:39:45
240930V06

BCS3_21458_PAH_VB
01 Oct 2024 04:00:23
240930V18

BCS3_21458_PAH_VAB
MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	RT	Response	RA	ICAL	BCS3_A	BCS3_B	AB Avg	A-I	B-I	AB RPD
13C6-Naphthalene	10.43	2.20E+08	-	10.42	2.32E+08	-	1.35	1.33	1.58	1.45	-1.6%	17.5%	17.7%
13C6-2-Methylnaphthalene	13.00	1.63E+08	-	12.99	1.60E+08	-	0.99	0.98	1.09	1.04	-0.6%	10.0%	10.1%
13C6-Acenaphthylene	15.97	1.78E+08	-	15.95	1.86E+08	-	1.37	1.57	1.52	1.54	15.0%	11.1%	3.5%
13C6-Acenaphthene	16.52	1.09E+08	-	16.51	1.17E+08	-	0.91	0.97	0.96	0.96	6.4%	5.6%	0.7%
13C6-Fluorene	18.11	1.43E+08	-	18.10	1.57E+08	-	1.09	1.27	1.28	1.27	15.8%	17.1%	1.1%
13C6-Phenanthrene	20.84	2.37E+08	-	20.83	2.20E+08	-	1.91	2.09	1.79	1.94	9.7%	-6.0%	15.5%
13C6-Anthracene	20.99	2.12E+08	-	20.98	2.06E+08	-	1.35	1.88	1.68	1.78	39.5%	25.1%	10.9%
13C6-Fluoranthene	23.98	2.27E+08	-	23.97	2.41E+08	-	1.23	1.25	1.22	1.23	1.5%	-0.7%	2.2%
13C3-Pyrene	24.56	2.24E+08	-	24.54	2.36E+08	-	1.23	1.23	1.19	1.21	-0.3%	-3.5%	3.3%
13C6-Benzo(a)Anthracene	27.65	1.58E+08	-	27.64	1.66E+08	-	0.86	0.87	0.84	0.85	0.6%	-2.8%	3.5%
13C6-Chrysene	27.75	1.74E+08	-	27.74	1.82E+08	-	1.19	0.96	0.92	0.94	-19.5%	-22.7%	4.1%
13C6-Benzo(b)Fluoranthene	31.30	1.06E+08	-	31.29	1.01E+08	-	1.28	1.40	1.32	1.36	9.3%	3.2%	5.8%
13C6-Benzo(k)Fluoranthene	31.41	1.17E+08	-	31.40	1.13E+08	-	1.82	1.55	1.47	1.51	-15.0%	-19.3%	5.2%
13C4-Benzo(e)Pyrene	32.47	1.01E+08	-	32.46	9.60E+07	-	1.56	1.34	1.25	1.29	-14.4%	-20.1%	6.9%
13C4-Benzo(a)Pyrene	32.71	9.08E+07	-	32.70	8.88E+07	-	1.23	1.20	1.15	1.18	-2.1%	-6.0%	4.0%
d12-Perylene	32.96	6.90E+07	-	32.95	6.98E+07	-	1.13	0.91	0.91	0.91	-18.9%	-19.4%	0.7%
13C6-Indeno(1,2,3-cd)Pyrene	39.02	6.52E+07	-	39.00	7.82E+07	-	0.85	0.86	1.02	0.94	1.5%	19.5%	16.3%
13C6-Dibenzo(ah)Anthracene	39.22	6.51E+07	-	39.20	7.74E+07	-	0.94	0.86	1.01	0.93	-8.5%	6.9%	15.5%
13C12-Benzo(ghi)Perylene	40.88	7.60E+07	-	40.84	9.28E+07	-	1.33	1.01	1.21	1.11	-24.3%	-9.2%	18.1%
AS--Anthracene (FS)	20.93	1.62E+08	-	20.92	1.54E+08	-	1.17	1.44	1.26	1.35	22.5%	7.1%	13.4%
SS-Fluorene	18.03	1.34E+08	-	18.01	1.41E+08	-	1.00	0.94	0.90	0.92	-6.2%	-9.9%	3.9%
SS-Terphenyl	24.93	2.03E+08	-	24.92	1.96E+08	-	0.79	0.90	0.81	0.85	12.7%	2.2%	9.8%
JS-Methylnaphthalene	12.89	4.15E+07	-	12.87	3.67E+07	-	-	-	-	-	-	-	-
JS-Acenaphthene	16.42	2.83E+07	-	16.42	3.06E+07	-	-	-	-	-	-	-	-
JS-Pyrene	24.51	4.55E+07	-	24.50	4.95E+07	-	-	-	-	-	-	-	-
JS-Benzo(a)Pyrene	32.60	1.89E+07	-	32.58	1.92E+07	-	-	-	-	-	-	-	-

933-599-FNP

657-850-LGR

HR-PAH BCS3 Summary

SGS North America

Printed: 2-Oct-24 11:06

BCS3_21458_PAH_VB
01 Oct 2024 04:00:23
240930V18

BCS3_21458_PAH_VC
01 Oct 2024 12:35:21
240930V29

BCS3_21458_PAH_VBC
MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	RT	Response	RA	ICAL	BCS3_B	BCS3_C	BC Avg	B-I	C-I	BC RPD
Naphthalene	10.42	2.93E+08	-	10.42	3.02E+08	-	0.99	1.26	1.25	1.26	27.2%	26.4%	0.6%
2-Methylnaphthalene	12.99	1.88E+08	-	12.98	1.96E+08	-	1.01	1.18	1.17	1.17	16.9%	15.6%	1.1%
Acenaphthylene	15.96	1.82E+08	-	15.95	1.81E+08	-	0.92	0.98	0.95	0.96	5.8%	2.9%	2.8%
Acenaphthene	16.51	1.50E+08	-	16.51	1.54E+08	-	1.01	1.28	1.27	1.28	25.9%	25.5%	0.3%
Fluorene	18.11	1.62E+08	-	18.10	1.66E+08	-	1.02	1.03	1.04	1.04	1.7%	2.1%	0.4%
Phenanthrene	20.84	2.62E+08	-	20.83	2.75E+08	-	1.00	1.19	1.16	1.18	19.7%	16.7%	2.5%
Anthracene	20.98	2.57E+08	-	20.97	2.65E+08	-	1.23	1.25	1.24	1.24	1.2%	0.5%	0.7%
Fluoranthene	23.97	2.30E+08	-	23.96	2.35E+08	-	0.92	0.95	0.94	0.95	4.0%	2.4%	1.5%
Pyrene	24.55	2.41E+08	-	24.54	2.47E+08	-	0.98	1.02	1.03	1.02	4.3%	4.6%	0.3%
Benzo(a)Anthracene	27.64	1.95E+08	-	27.64	1.90E+08	-	1.00	1.17	1.16	1.16	16.9%	15.3%	1.4%
Chrysene	27.74	2.14E+08	-	27.74	2.12E+08	-	1.01	1.18	1.18	1.18	16.7%	16.8%	0.1%
Benzo(b)Fluoranthene	31.29	1.09E+08	-	31.28	1.04E+08	-	0.98	1.08	1.08	1.08	10.0%	10.0%	0.0%
Benzo(k)Fluoranthene	31.40	1.04E+08	-	31.40	9.91E+07	-	0.92	0.92	0.95	0.94	0.5%	3.4%	2.8%
Benzo(e)Pyrene	32.46	1.13E+08	-	32.45	1.08E+08	-	0.98	1.18	1.17	1.18	21.0%	20.4%	0.5%
Benzo(a)Pyrene	32.70	1.00E+08	-	32.69	9.38E+07	-	0.98	1.13	1.17	1.15	15.0%	19.1%	3.5%
Perylene	33.08	8.51E+07	-	33.07	7.84E+07	-	1.06	1.22	1.23	1.22	15.1%	16.0%	0.8%
Indeno(1,2,3-cd)Pyrene	39.00	8.18E+07	-	39.00	6.81E+07	-	0.92	1.05	1.04	1.05	14.2%	14.0%	0.2%
Dibenzo(a,h)Anthracene	39.21	8.77E+07	-	39.21	7.29E+07	-	0.94	1.13	1.14	1.14	20.9%	21.4%	0.4%
Benzo(ghi)Perylene	40.87	1.00E+08	-	40.88	8.43E+07	-	0.97	1.08	1.09	1.09	11.5%	12.8%	1.1%

HR-PAH BCS3 Summary

SGS North America

Printed: 2-Oct-24 11:06

BCS3_21458_PAH_VB
01 Oct 2024 04:00:23
240930V18

BCS3_21458_PAH_VC
01 Oct 2024 12:35:21
240930V29

BCS3_21458_PAH_VBC
MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	RT	Response	RA	ICAL	BCS3_B	BCS3_C	BC Avg	B-I	C-I	BC RPD
13C6-Naphthalene	10.42	2.32E+08	-	10.41	2.41E+08	-	1.35	1.58	1.61	1.59	17.5%	19.3%	1.5%
13C6-2-Methylnaphthalene	12.99	1.60E+08	-	12.98	1.68E+08	-	0.99	1.09	1.12	1.10	10.0%	13.3%	3.0%
13C6-Acenaphthylene	15.95	1.86E+08	-	15.95	1.91E+08	-	1.37	1.52	1.53	1.52	11.1%	11.9%	0.7%
13C6-Acenaphthene	16.51	1.17E+08	-	16.51	1.21E+08	-	0.91	0.96	0.97	0.96	5.6%	6.6%	1.0%
13C6-Fluorene	18.10	1.57E+08	-	18.10	1.59E+08	-	1.09	1.28	1.28	1.28	17.1%	17.1%	0.0%
13C6-Phenanthrene	20.83	2.20E+08	-	20.83	2.36E+08	-	1.91	1.79	1.89	1.84	-6.0%	-0.7%	5.5%
13C6-Anthracene	20.98	2.06E+08	-	20.97	2.14E+08	-	1.35	1.68	1.72	1.70	25.1%	27.5%	1.9%
13C6-Fluoranthene	23.97	2.41E+08	-	23.96	2.50E+08	-	1.23	1.22	1.24	1.23	-0.7%	1.1%	1.8%
13C3-Pyrene	24.54	2.36E+08	-	24.54	2.40E+08	-	1.23	1.19	1.19	1.19	-3.5%	-3.4%	0.1%
13C6-Benzo(a)Anthracene	27.64	1.66E+08	-	27.63	1.64E+08	-	0.86	0.84	0.81	0.83	-2.8%	-5.7%	3.0%
13C6-Chrysene	27.74	1.82E+08	-	27.73	1.80E+08	-	1.19	0.92	0.89	0.91	-22.7%	-24.8%	2.7%
13C6-Benzo(b)Fluoranthene	31.29	1.01E+08	-	31.28	9.61E+07	-	1.28	1.32	1.38	1.35	3.2%	8.0%	4.6%
13C6-Benzo(k)Fluoranthene	31.40	1.13E+08	-	31.39	1.04E+08	-	1.82	1.47	1.50	1.48	-19.3%	-17.6%	2.1%
13C4-Benzo(e)Pyrene	32.46	9.60E+07	-	32.45	9.18E+07	-	1.56	1.25	1.32	1.28	-20.1%	-15.6%	5.5%
13C4-Benzo(a)Pyrene	32.70	8.88E+07	-	32.69	8.02E+07	-	1.23	1.15	1.15	1.15	-6.0%	-6.2%	0.2%
d12-Perylene	32.95	6.98E+07	-	32.95	6.39E+07	-	1.13	0.91	0.92	0.91	-19.4%	-18.6%	1.0%
13C6-Indeno(1,2,3-cd)Pyrene	39.00	7.82E+07	-	38.99	6.52E+07	-	0.85	1.02	0.94	0.98	19.5%	10.0%	8.3%
13C6-Dibenzo(ah)Anthracene	39.20	7.74E+07	-	39.21	6.41E+07	-	0.94	1.01	0.92	0.96	6.9%	-2.2%	8.9%
13C12-Benzo(ghi)Perylene	40.84	9.28E+07	-	40.85	7.71E+07	-	1.33	1.21	1.11	1.16	-9.2%	-16.7%	8.5%
AS--Anthracene (FS)	20.92	1.54E+08	-	20.92	1.57E+08	-	1.17	1.26	1.26	1.26	7.1%	7.4%	0.3%
SS-Fluorene	18.01	1.41E+08	-	18.01	1.45E+08	-	1.00	0.90	0.91	0.91	-9.9%	-9.0%	0.9%
SS-Terphenyl	24.92	1.96E+08	-	24.91	2.06E+08	-	0.79	0.81	0.82	0.82	2.2%	3.5%	1.3%
JS-Methylnaphthalene	12.87	3.67E+07	-	12.86	3.75E+07	-	-	-	-	-	-	-	-
JS-Acenaphthene	16.42	3.06E+07	-	16.40	3.12E+07	-	-	-	-	-	-	-	-
JS-Pyrene	24.50	4.95E+07	-	24.49	5.04E+07	-	-	-	-	-	-	-	-
JS-Benzo(a)Pyrene	32.58	1.92E+07	-	32.58	1.74E+07	-	-	-	-	-	-	-	-

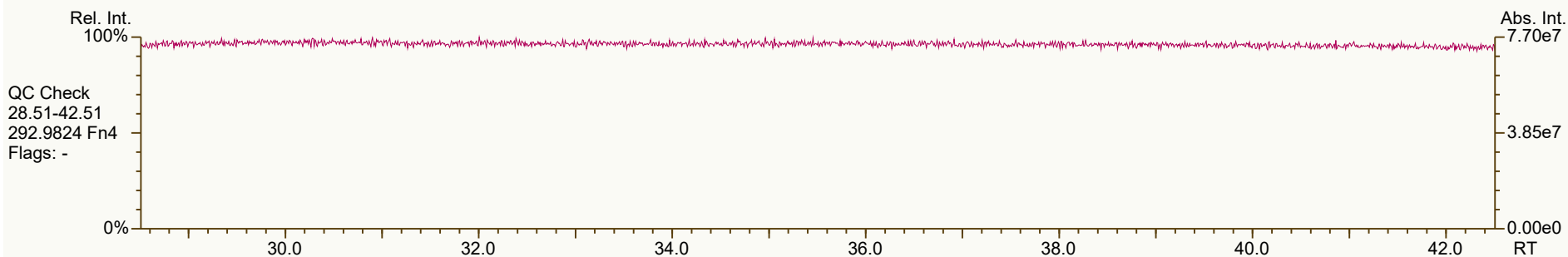
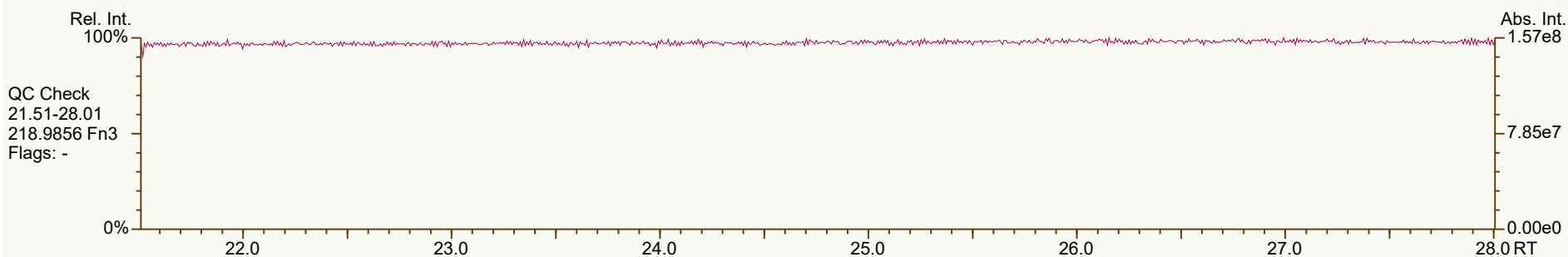
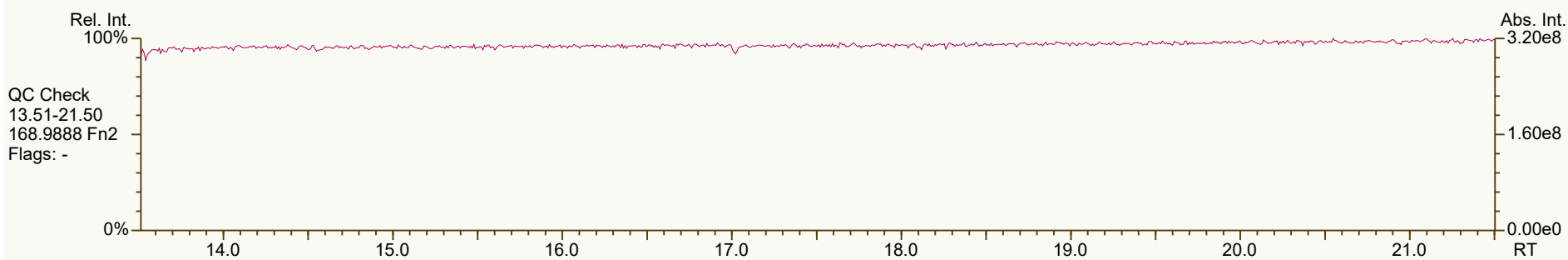
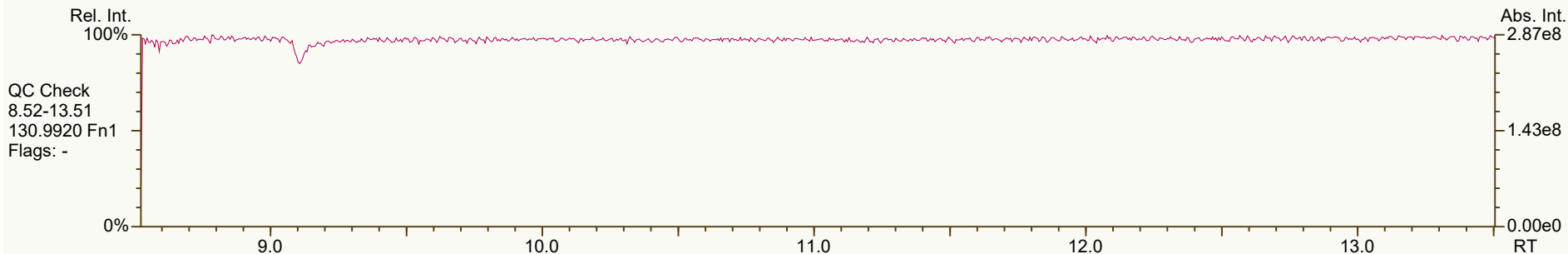
657-850-NHX

254-055-XRP

SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VA.utp_res, saved 02-Oct-2024 11:10 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 933-599

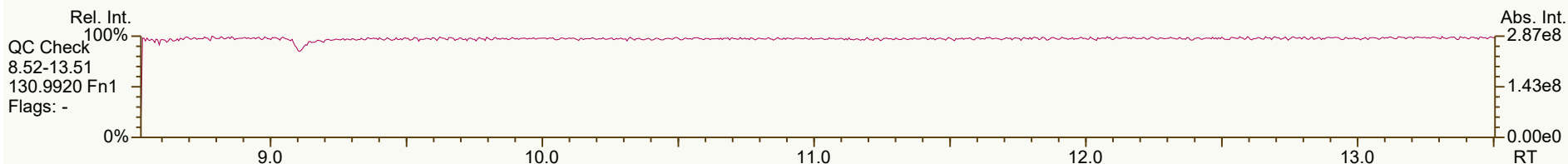
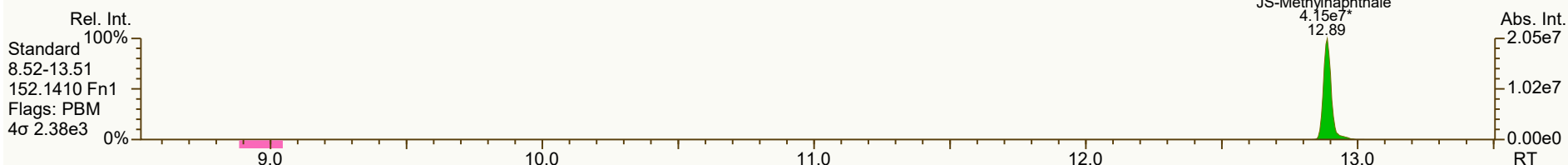
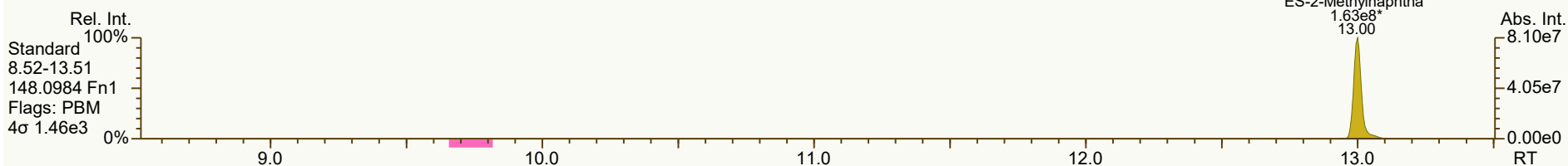
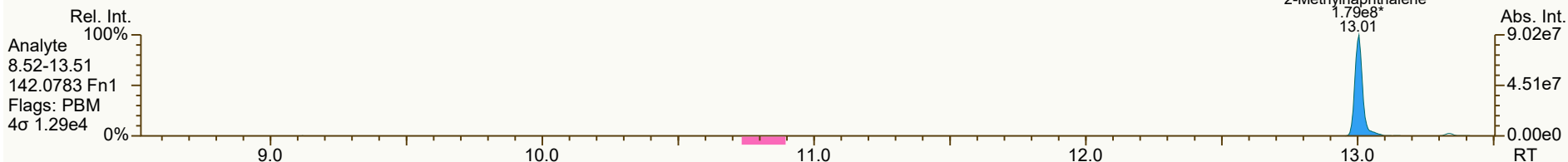
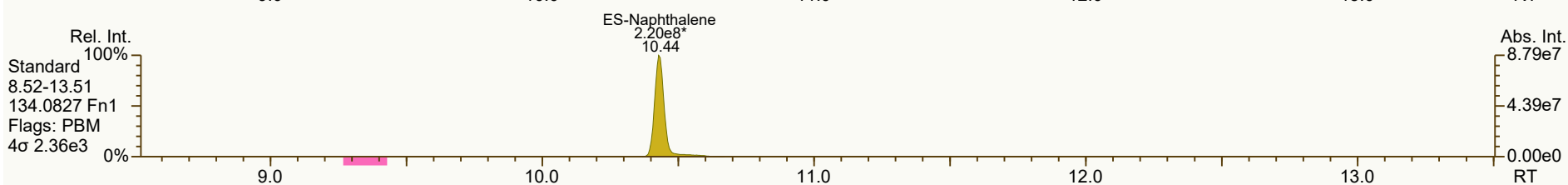
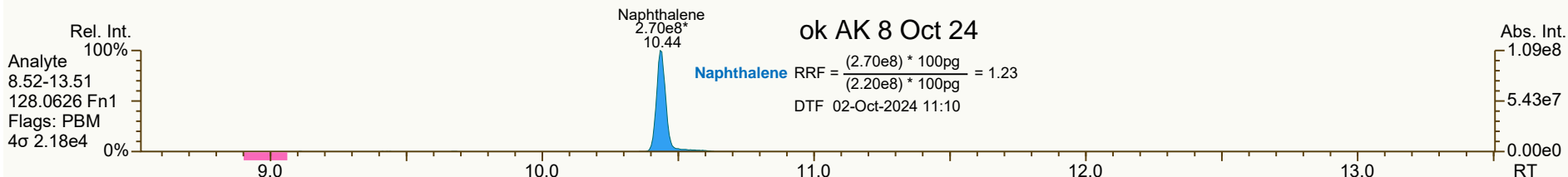
Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:11 Page 1 of 9

SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06

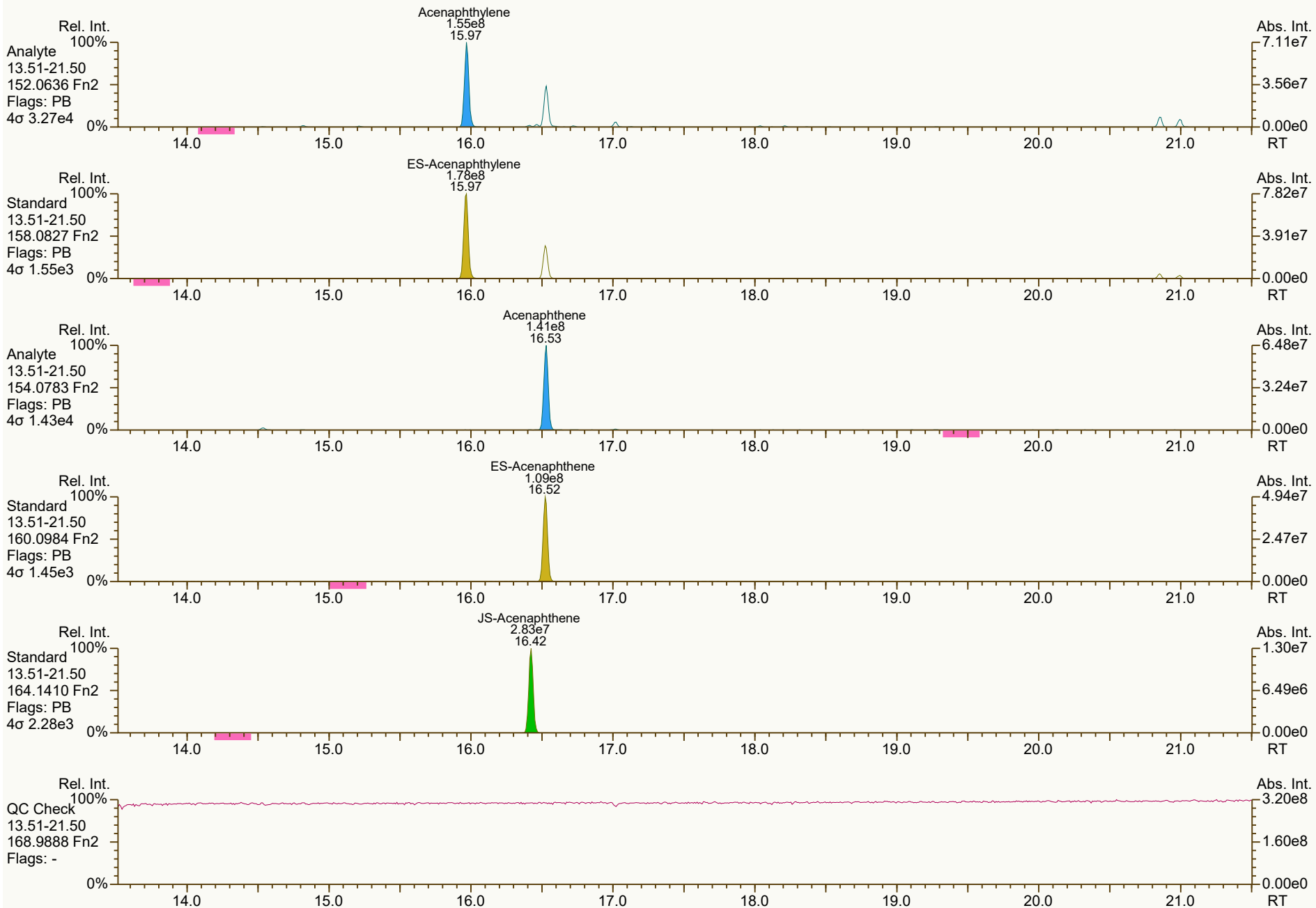
ok AK 8 Oct 24



SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



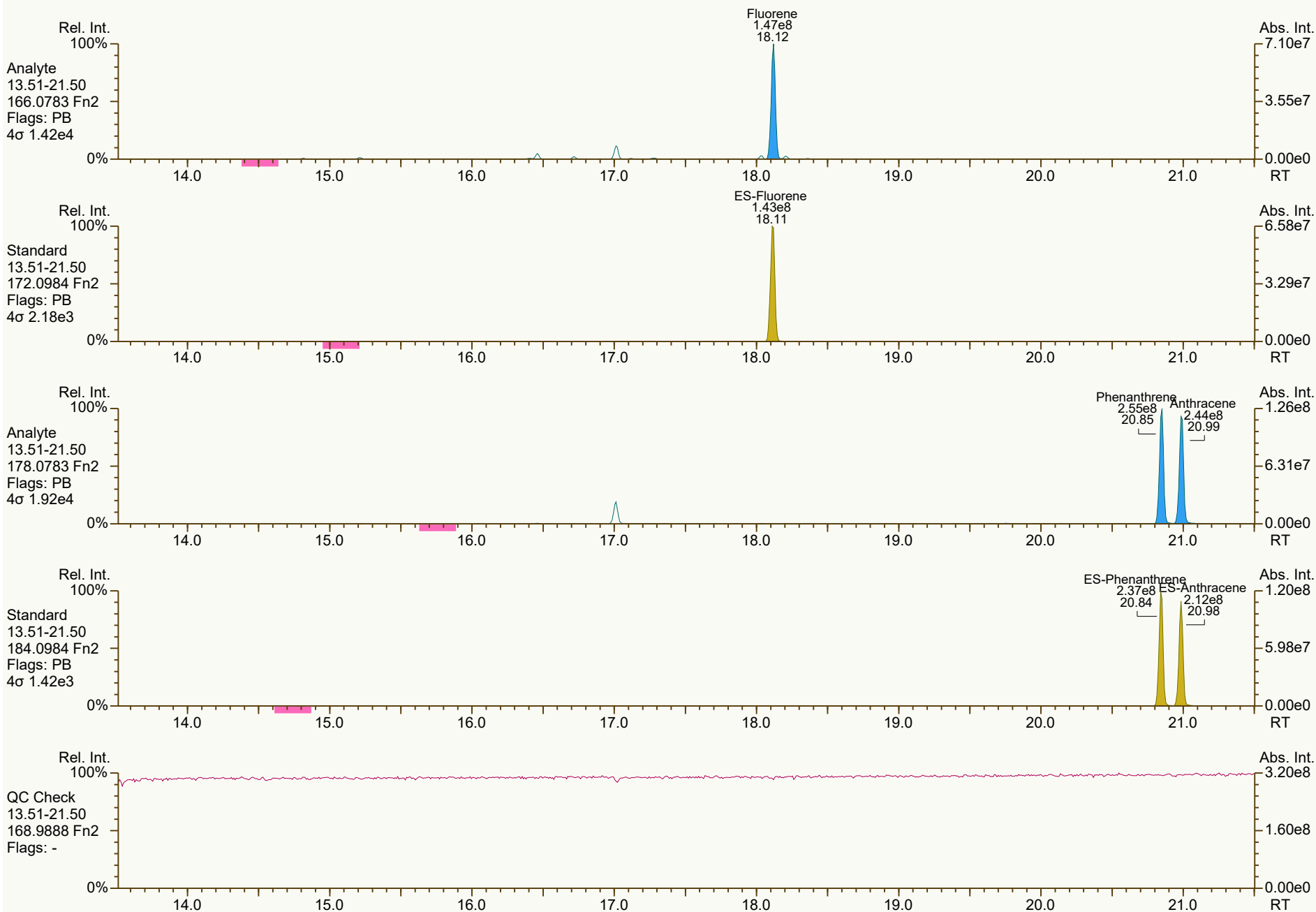
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VA.utp_res, saved 02-Oct-2024 11:10 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5286, 8115, 3727, 3793, 1046 scc: 933-599

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 07:57 Printed: 02-Oct-2024 11:11 Page 3 of 9

SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



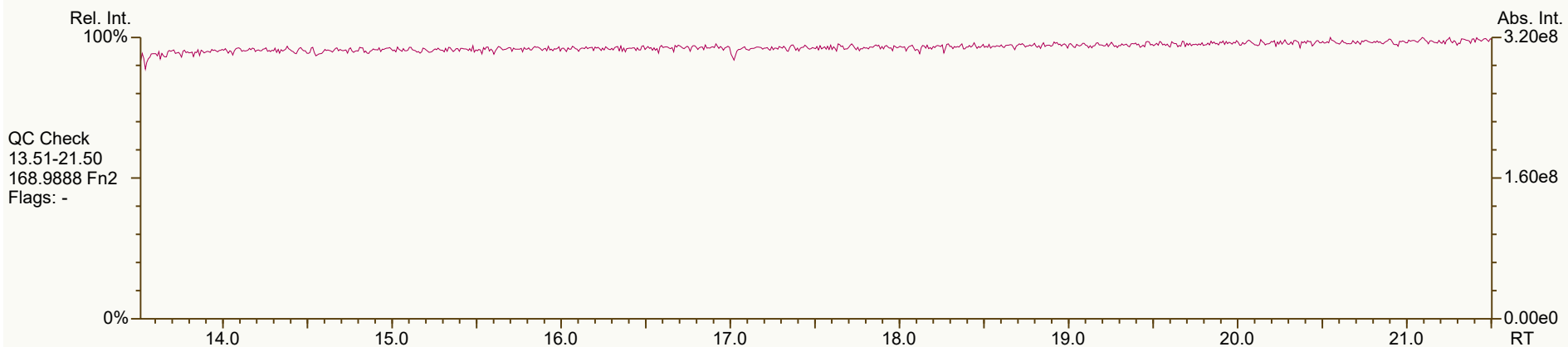
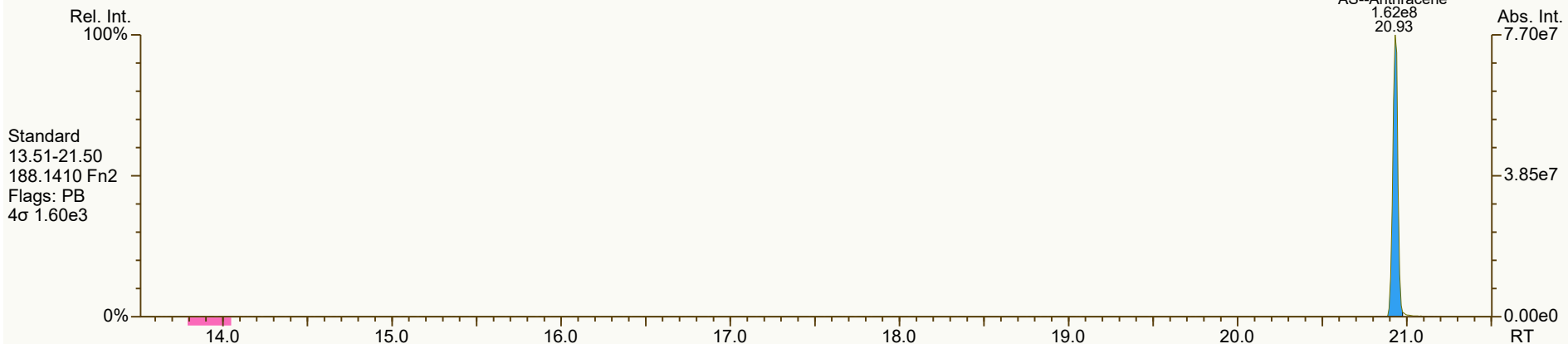
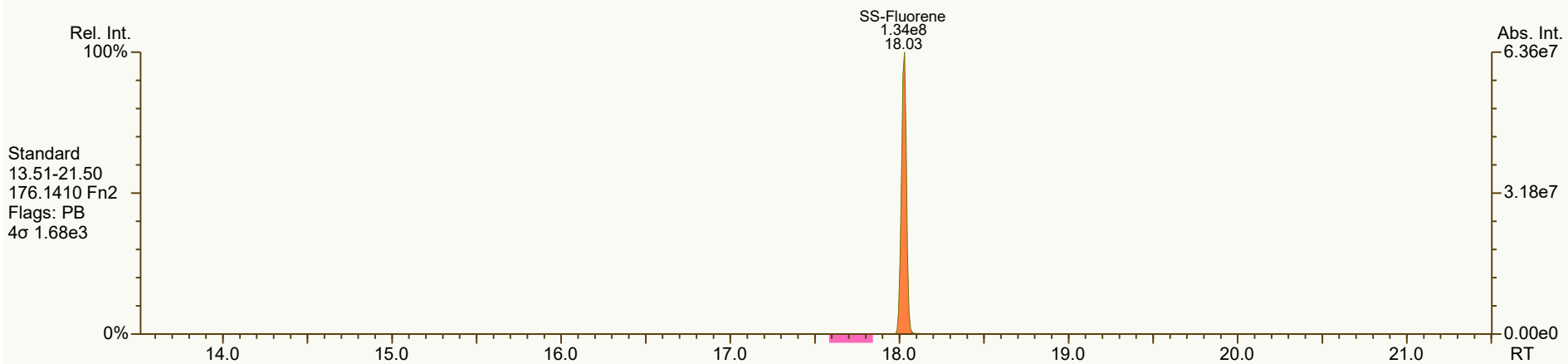
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VA.utp_res, saved 02-Oct-2024 11:10 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2073, 9560, 2465, 3391 scc: 933-599

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 07:57 Printed: 02-Oct-2024 11:11 Page 4 of 9

SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

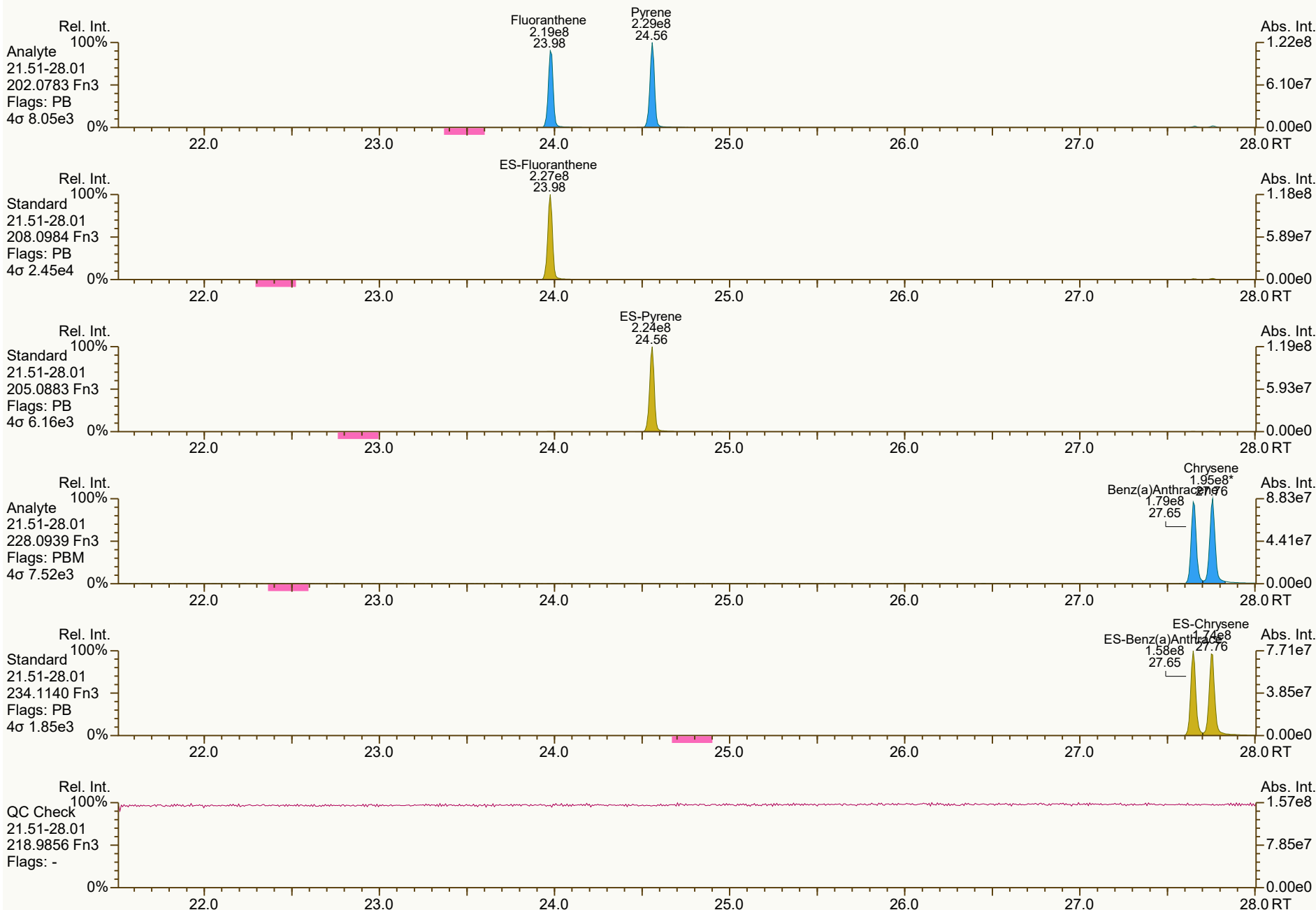
Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



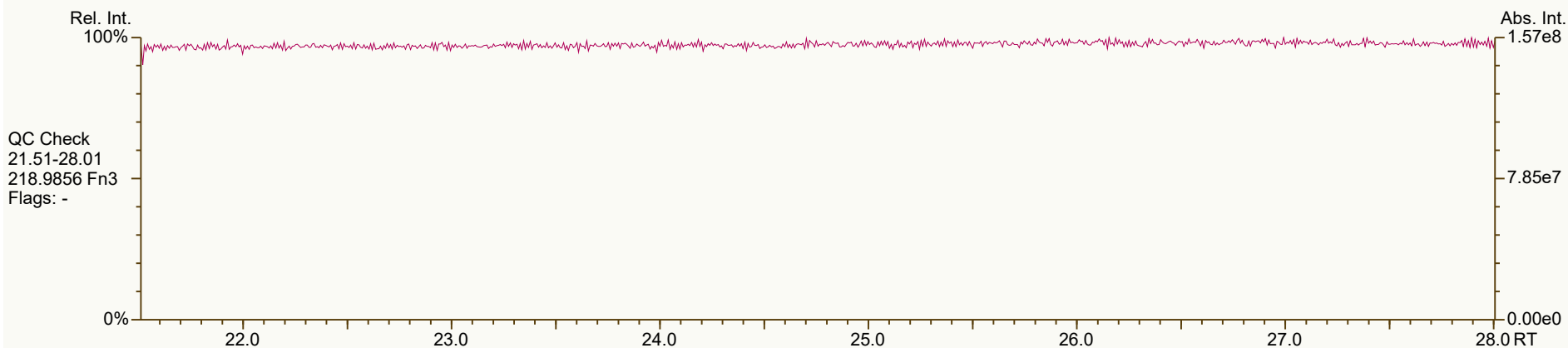
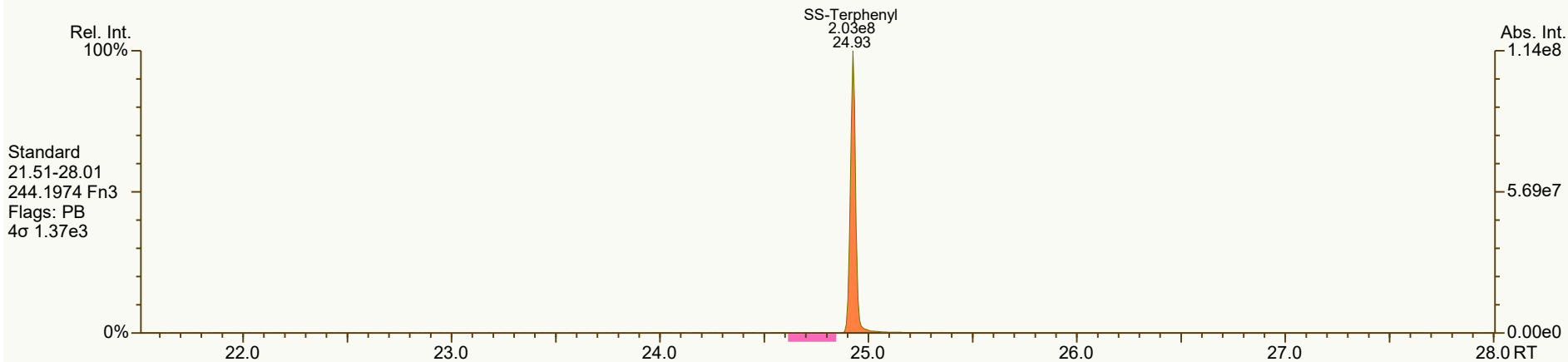
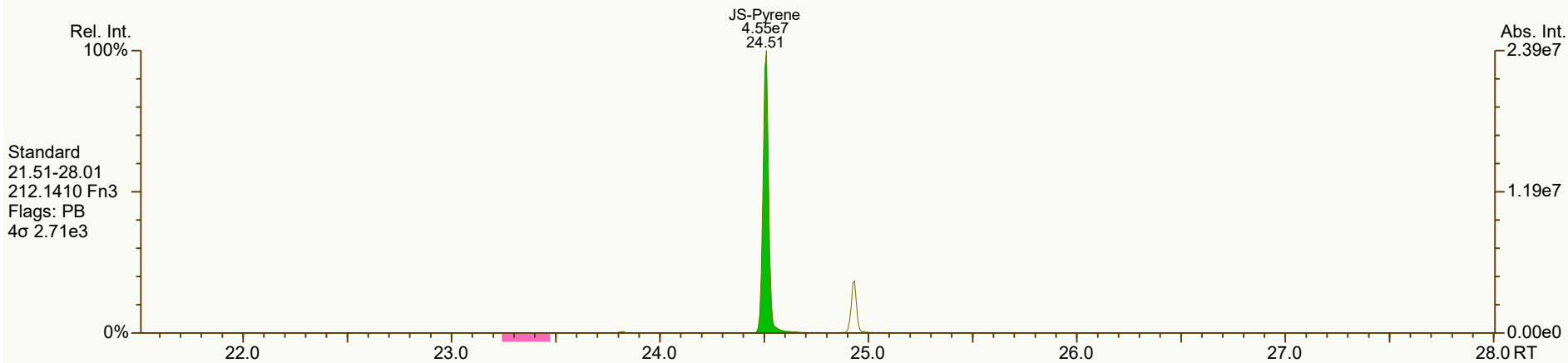
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VA.utp_res, saved 02-Oct-2024 11:10 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9580, 0151, 9319, 1629, 6816 scc: 933-599

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 07:57 (DTF) Printed: 02-Oct-2024 11:11 Page 6 of 9

SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

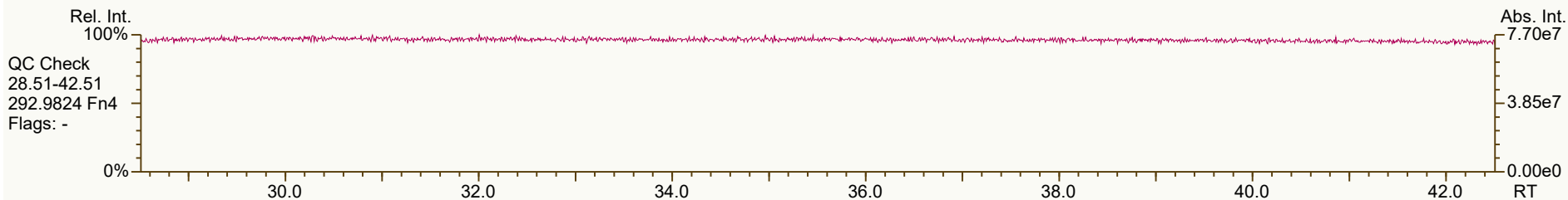
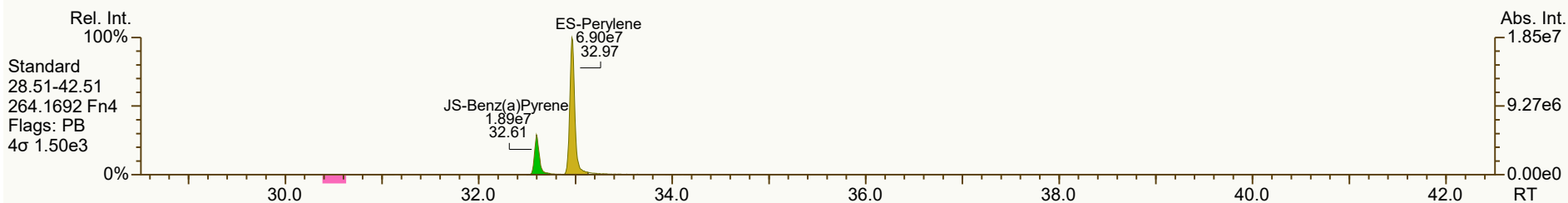
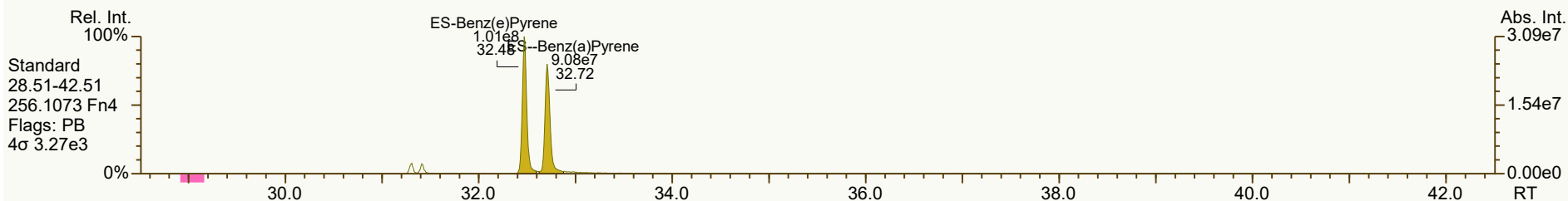
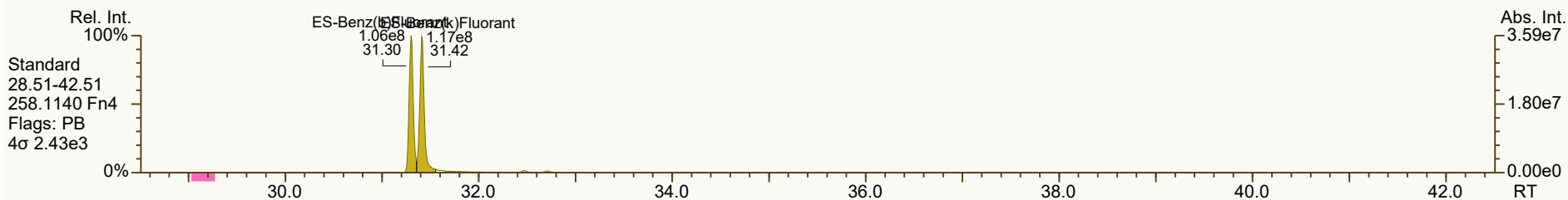
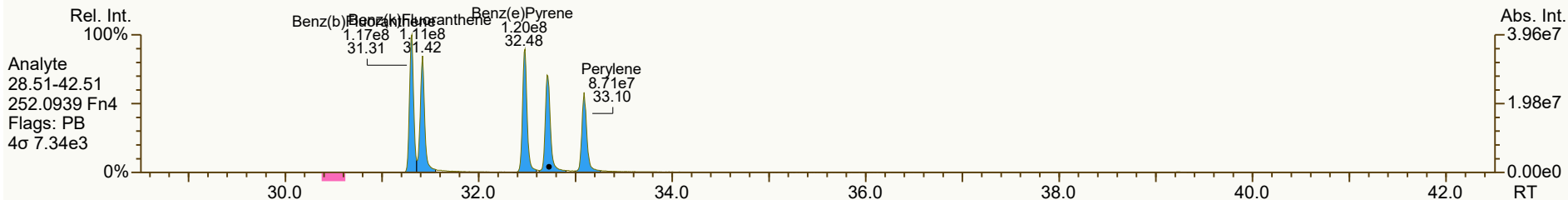
Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VA.utp_res, saved 02-Oct-2024 11:10 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9826, 1985, 1412, 1101 scc: 933-599

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 07:57 Printed: 02-Oct-2024 11:11 Page 8 of 9

SGS ID: BCS3_21458_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VA
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 30-Sep-2024 18:39:45
User: DTF Datafile: 240930V06



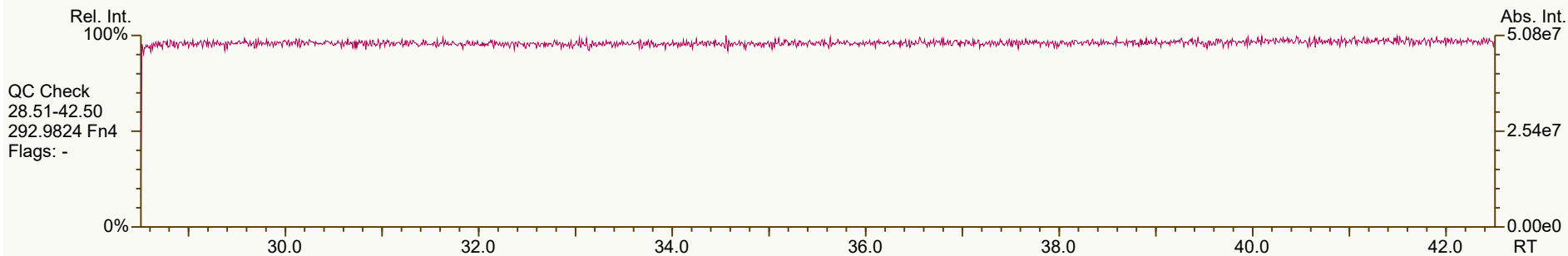
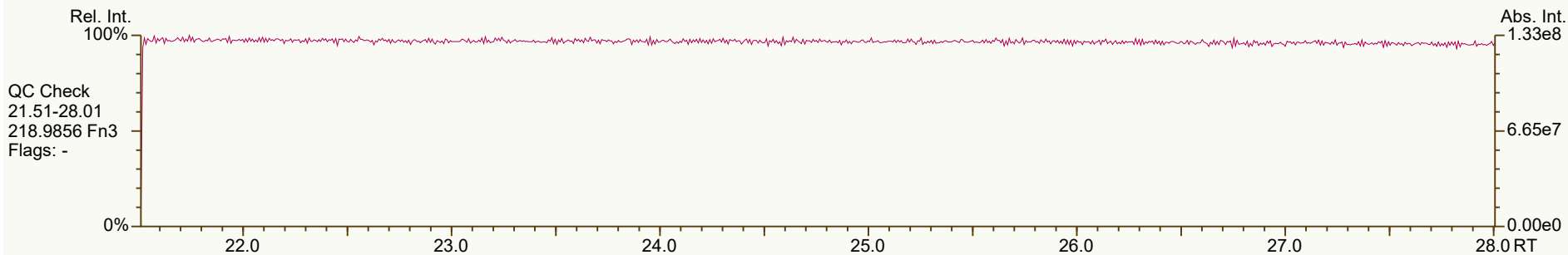
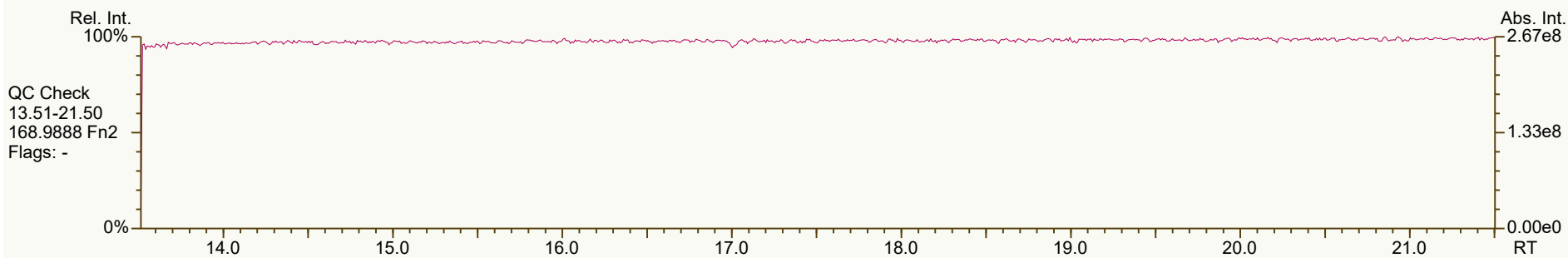
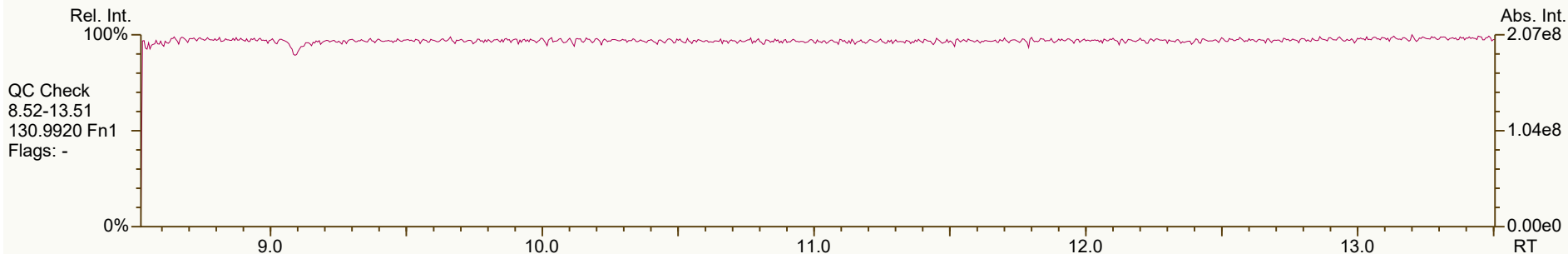
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VA.utp_res, saved 02-Oct-2024 11:10 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4304, 5342, 1012, 2207, 7553 scc: 933-599

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 07:58 (DTF) Printed: 02-Oct-2024 11:11 Page 9 of 9

SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



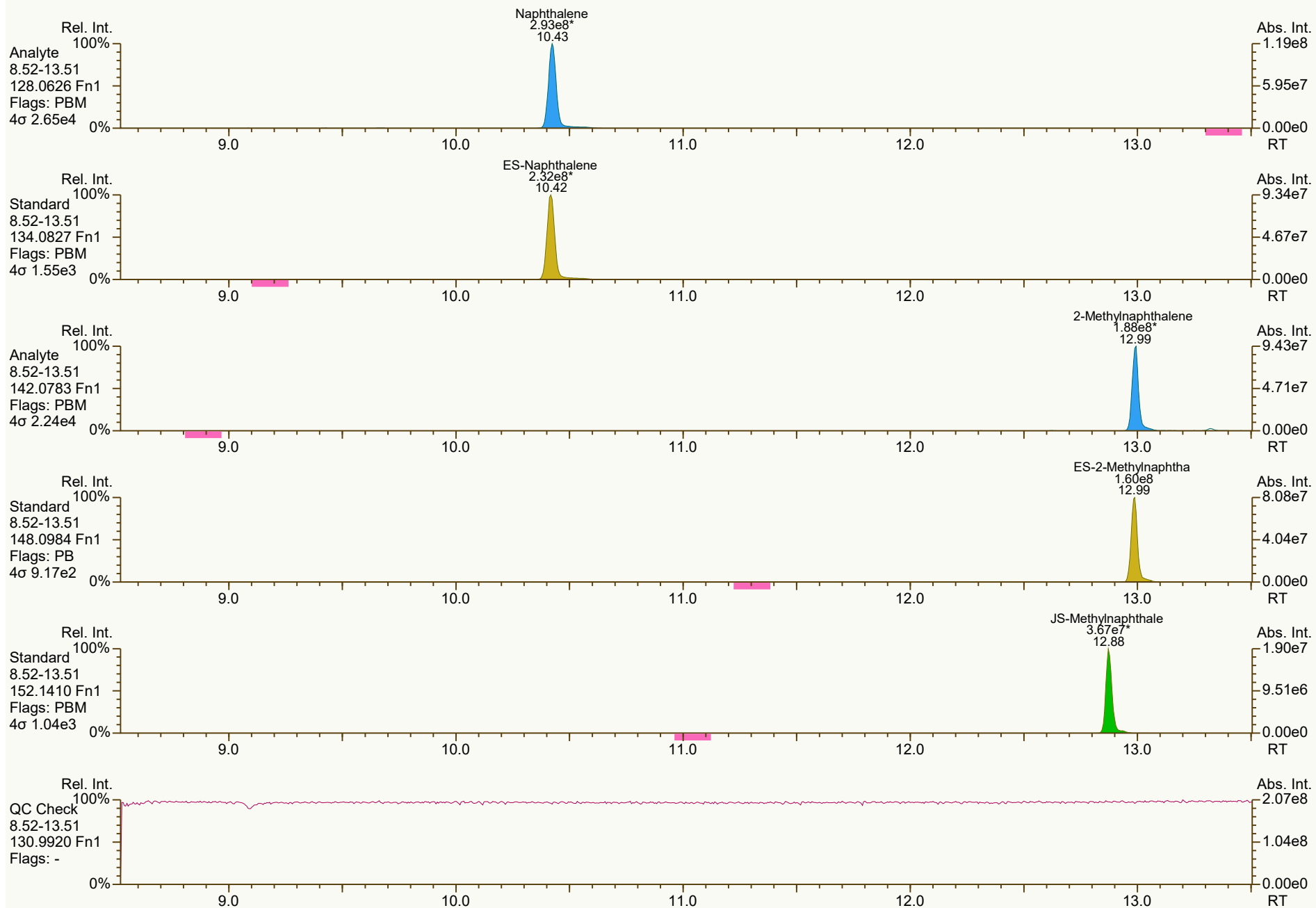
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VB.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 657-850

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:12 Page 1 of 9

SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



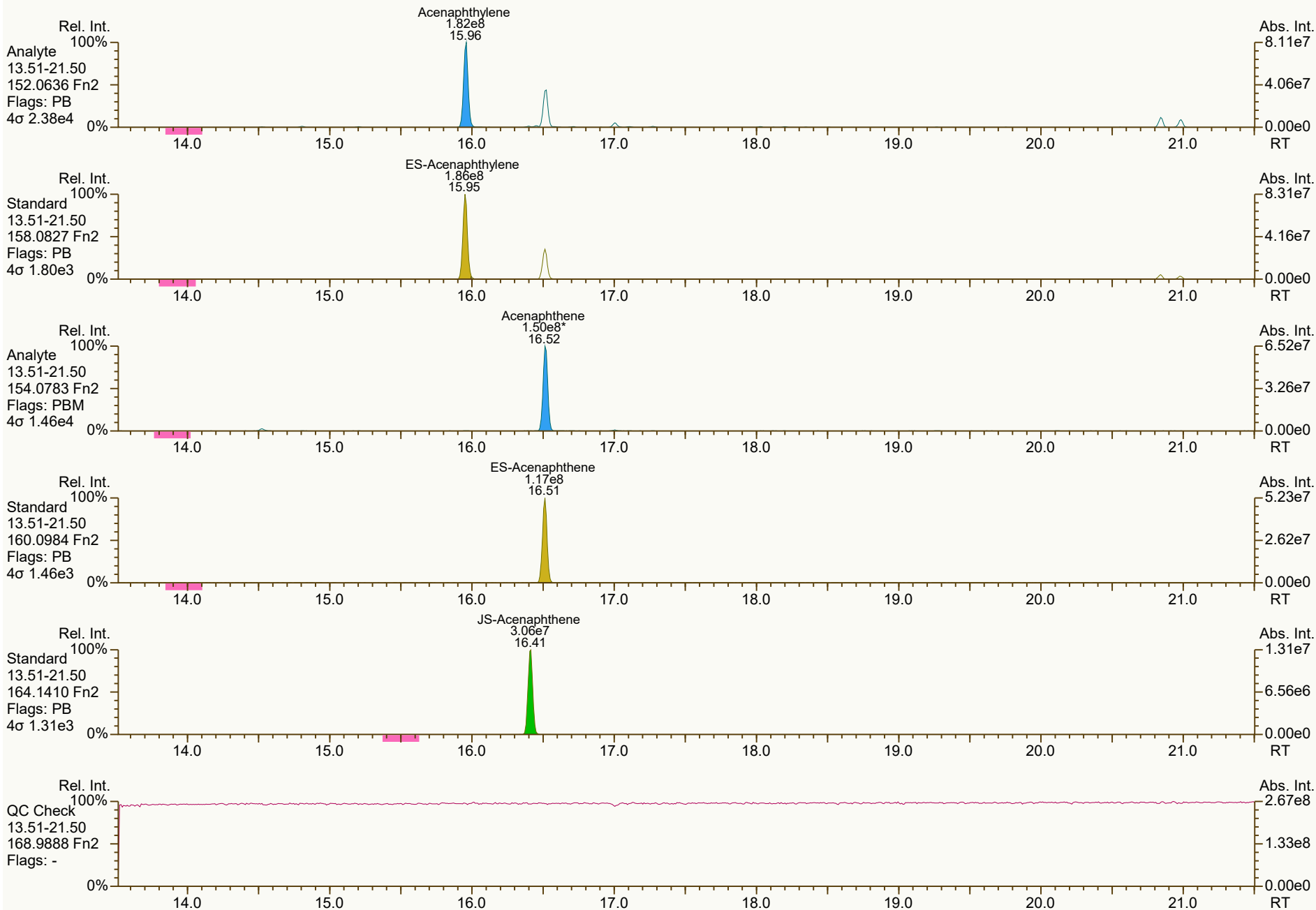
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VB.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5319, 7790, 4902, 9683, 0244 scc: 657-850

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 07:59 (DTF) Printed: 02-Oct-2024 11:12 Page 2 of 9

SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



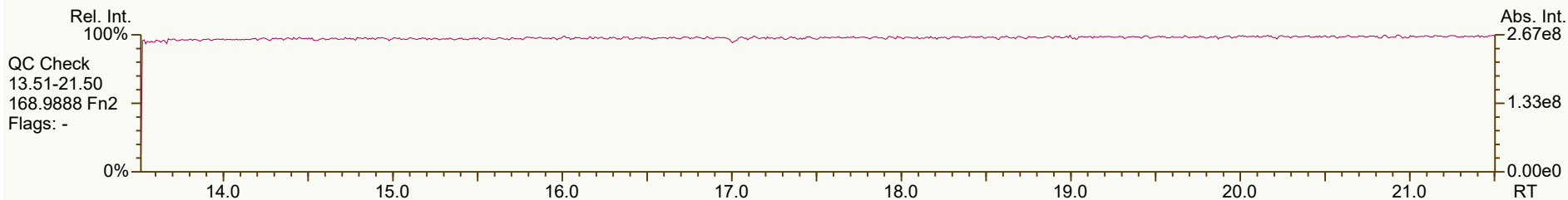
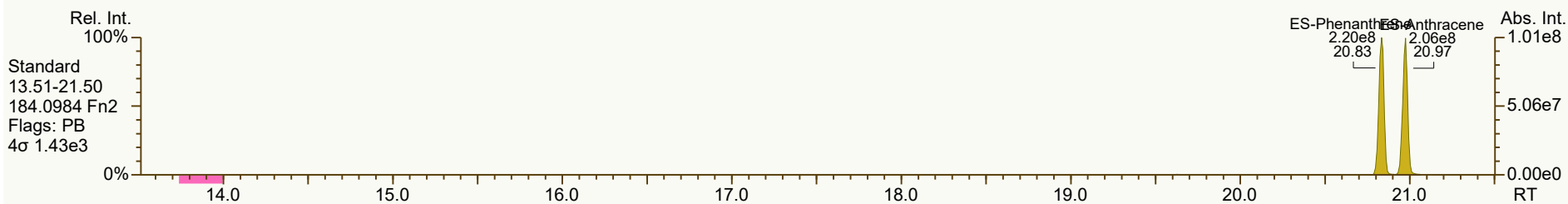
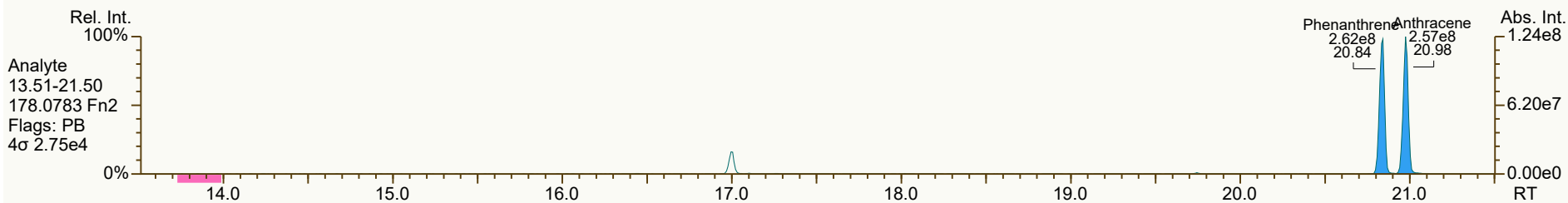
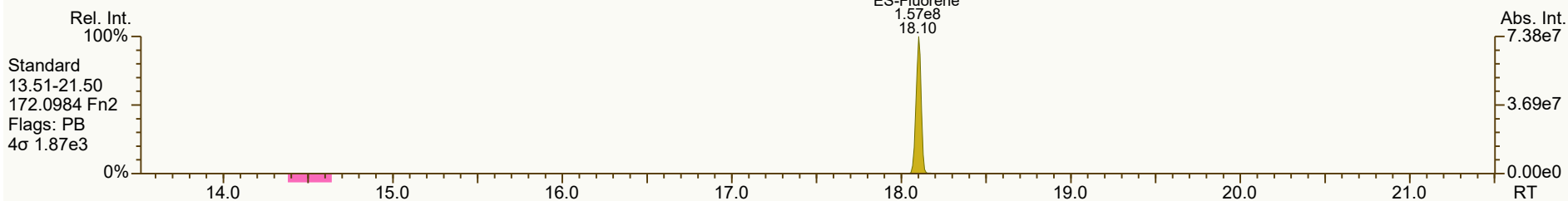
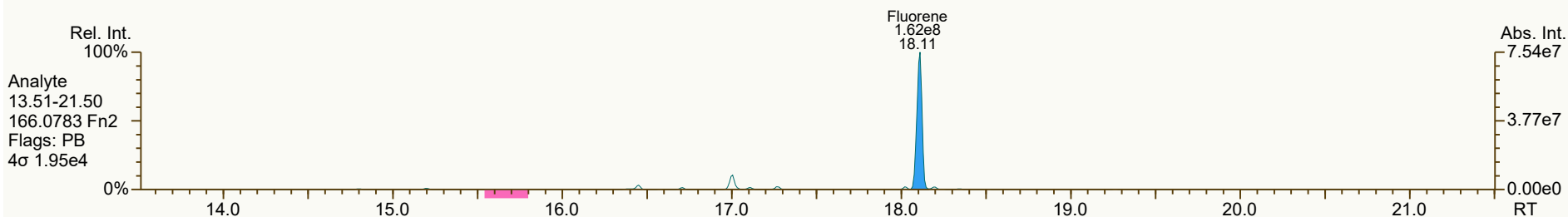
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VB.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2823, 0862, 5819, 8544, 6138 scc: 657-850

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 07:59 (DTF) Printed: 02-Oct-2024 11:12 Page 3 of 9

SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



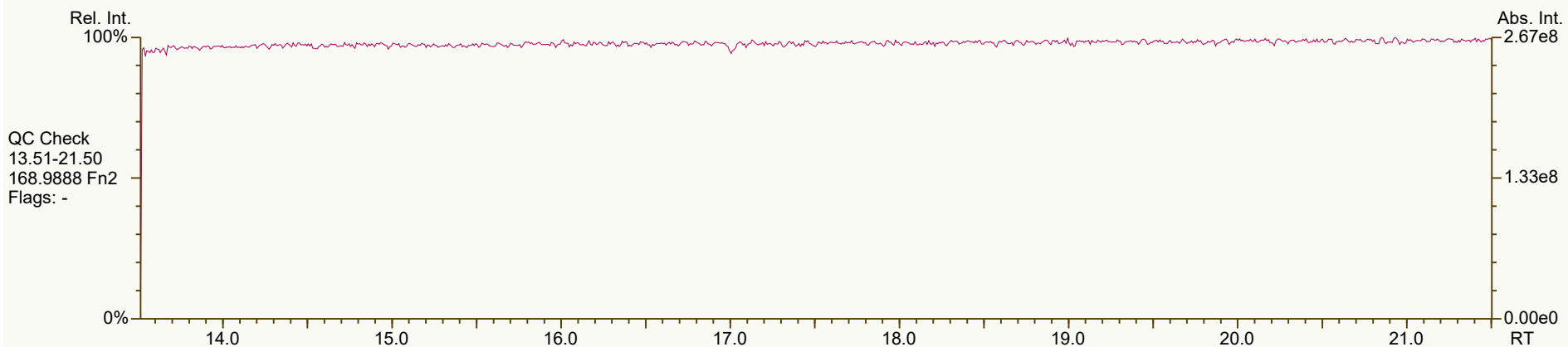
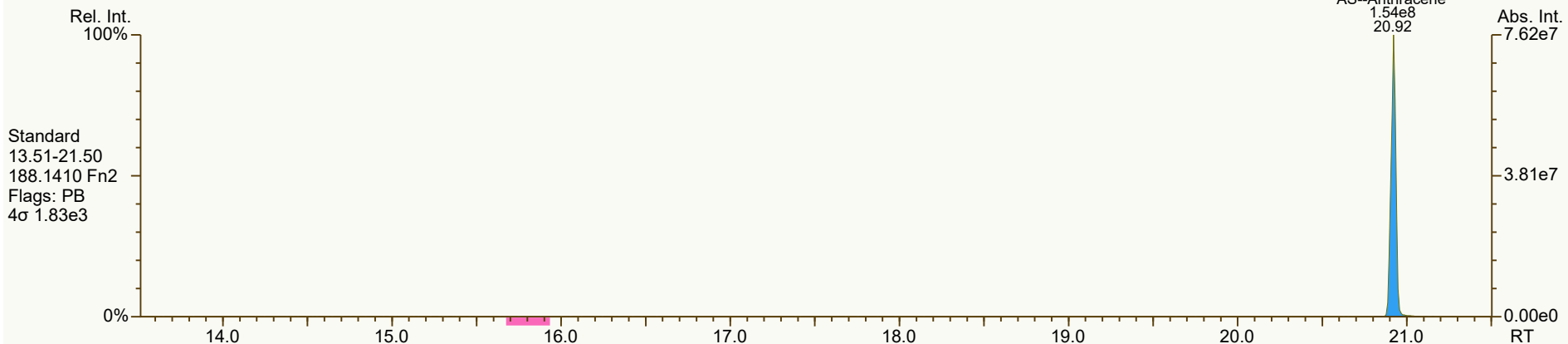
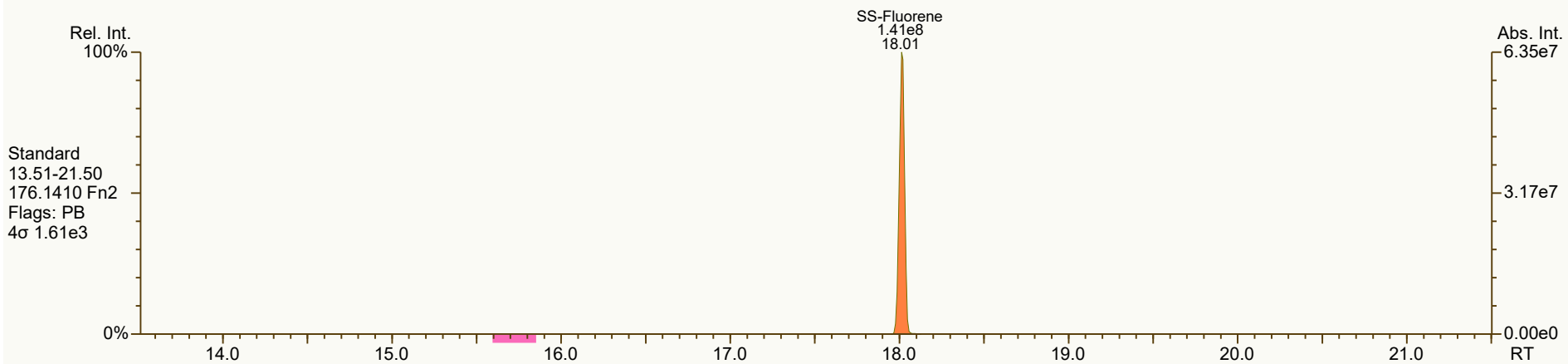
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VB.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7307, 0796, 0318, 9684 scc: 657-850

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 07:59 Printed: 02-Oct-2024 11:12 Page 4 of 9

SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

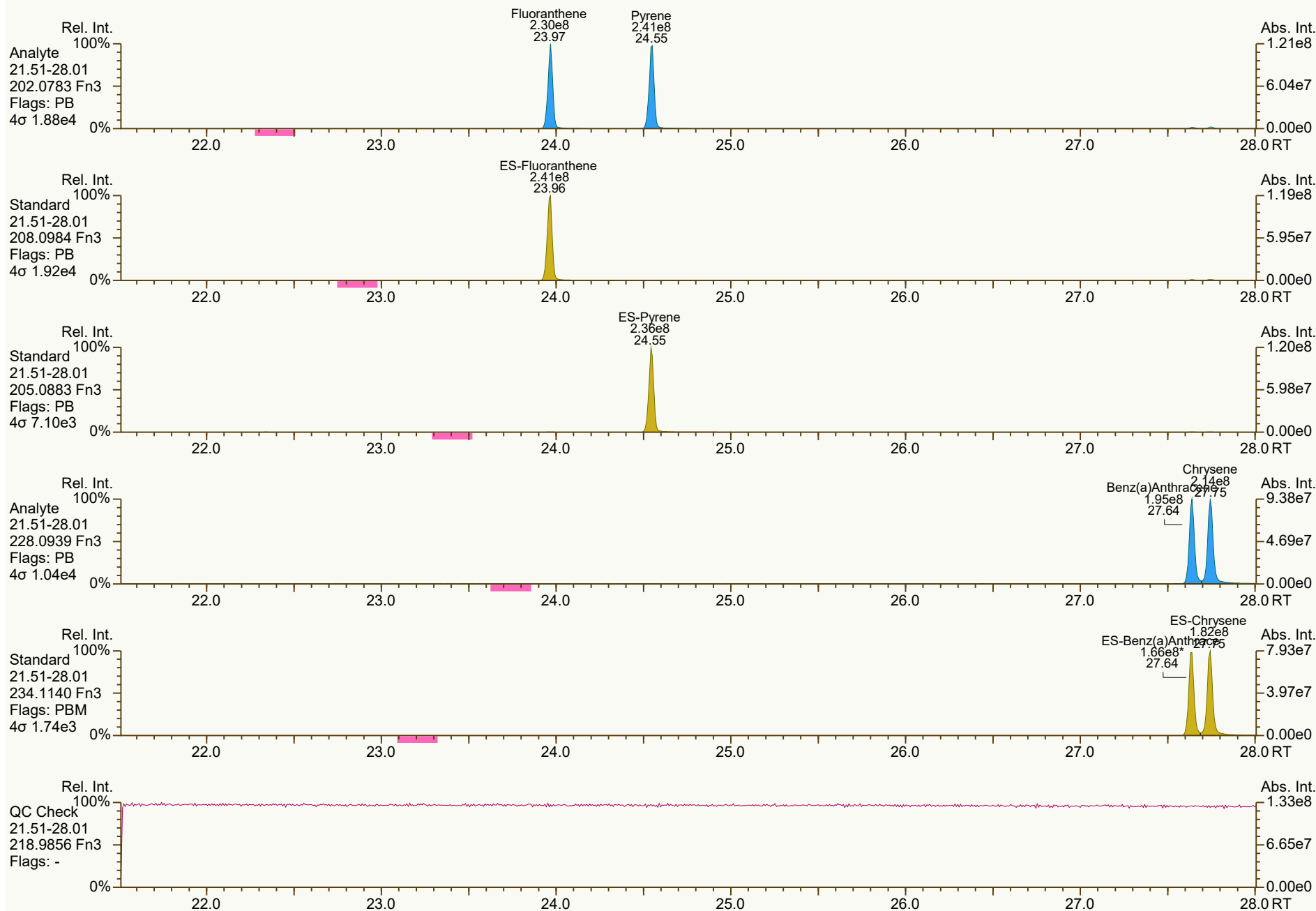
Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



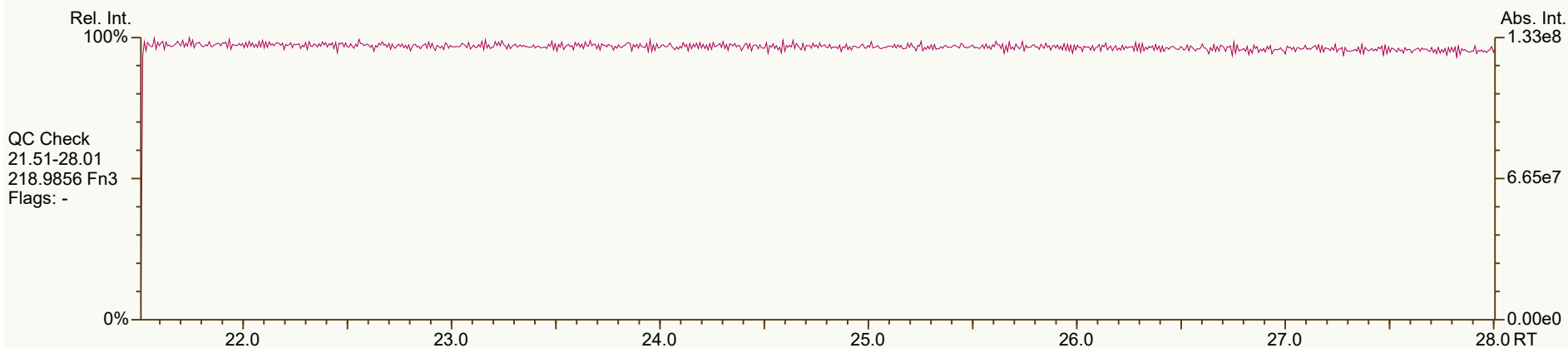
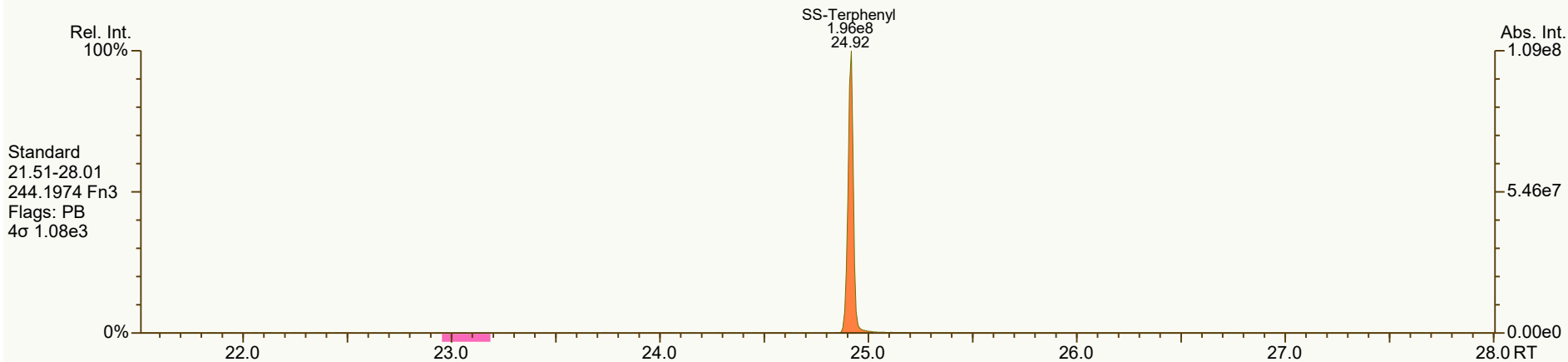
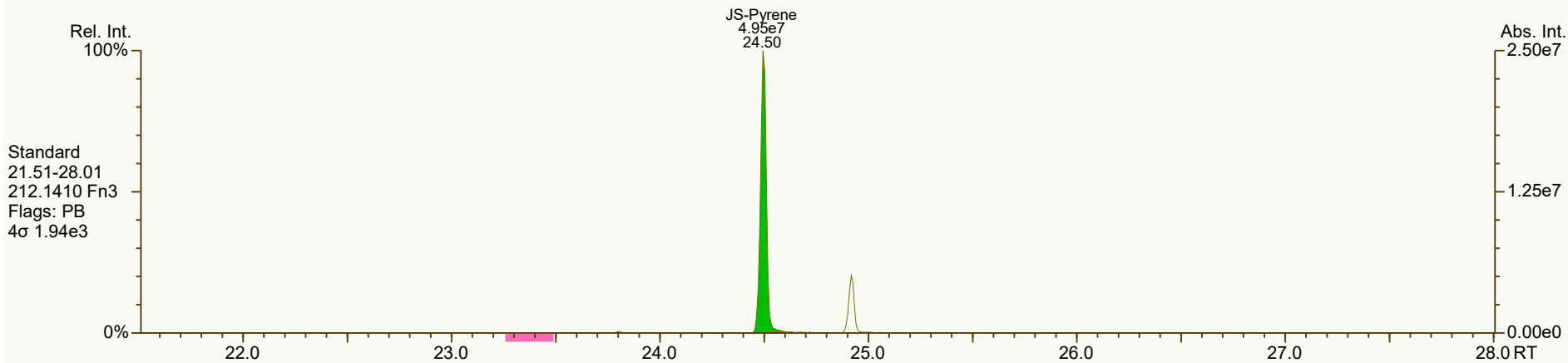
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VB.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0757, 1241, 3009, 4886, 3011 scc: 657-850

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 07:59 (DTF) Printed: 02-Oct-2024 11:12 Page 6 of 9

SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

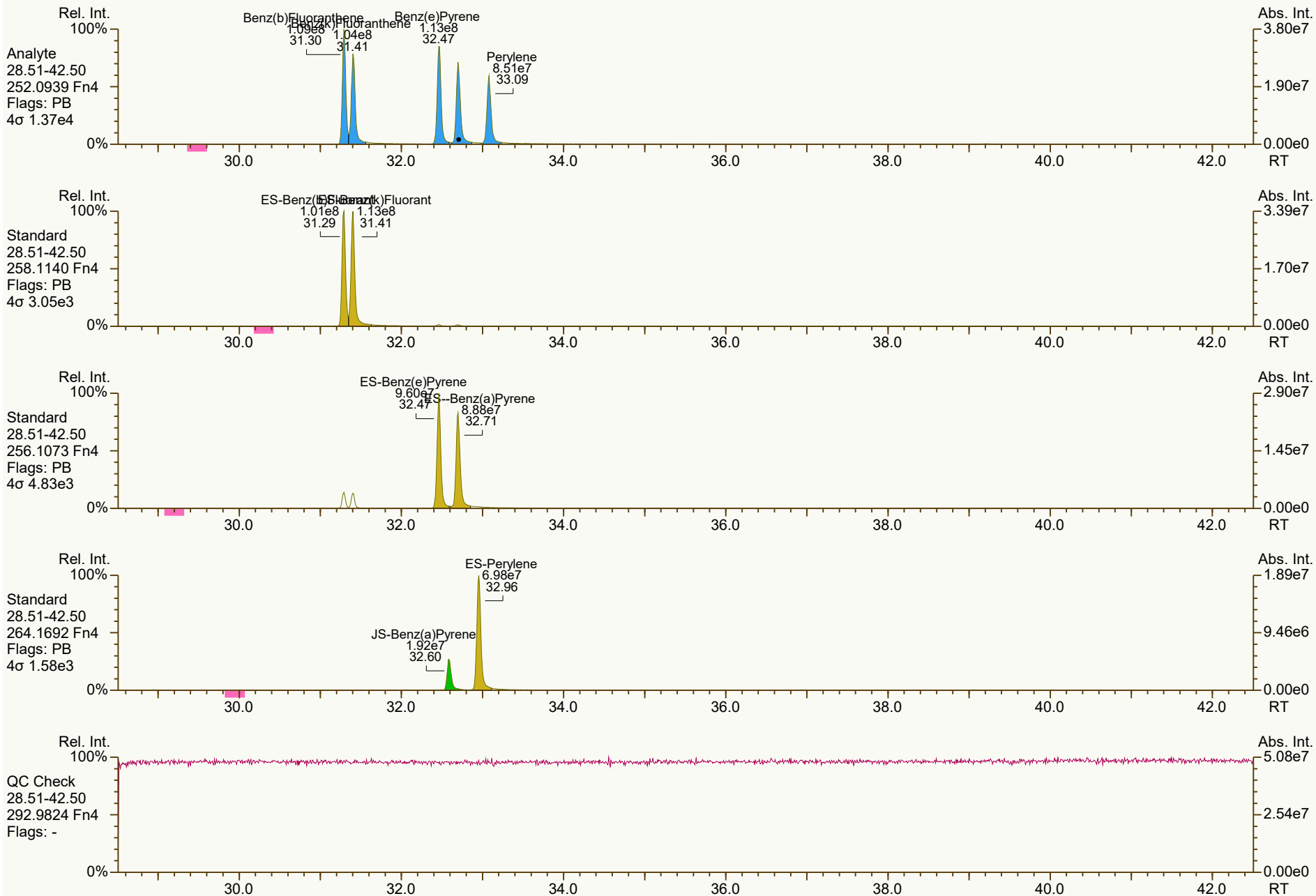
Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VB.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6533, 9828, 8837, 0527 scc: 657-850

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 07:59 Printed: 02-Oct-2024 11:12 Page 8 of 9

SGS ID: BCS3_21458_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VB
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 04:00:23
User: DTF Datafile: 240930V18



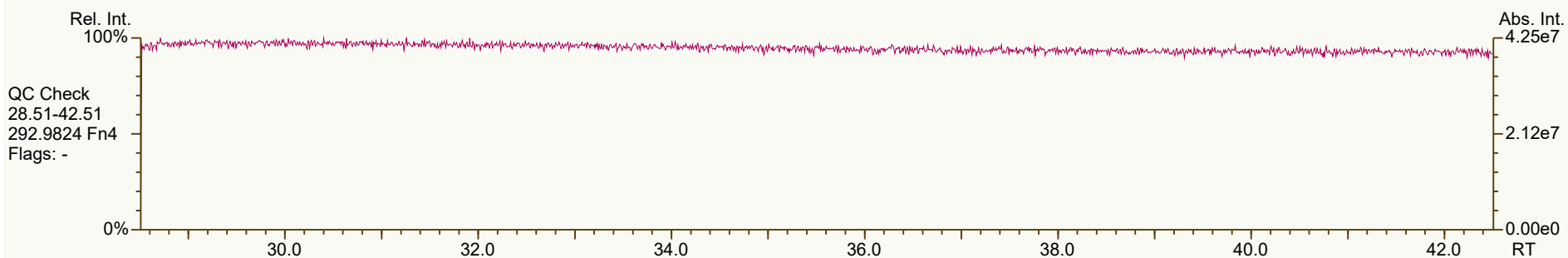
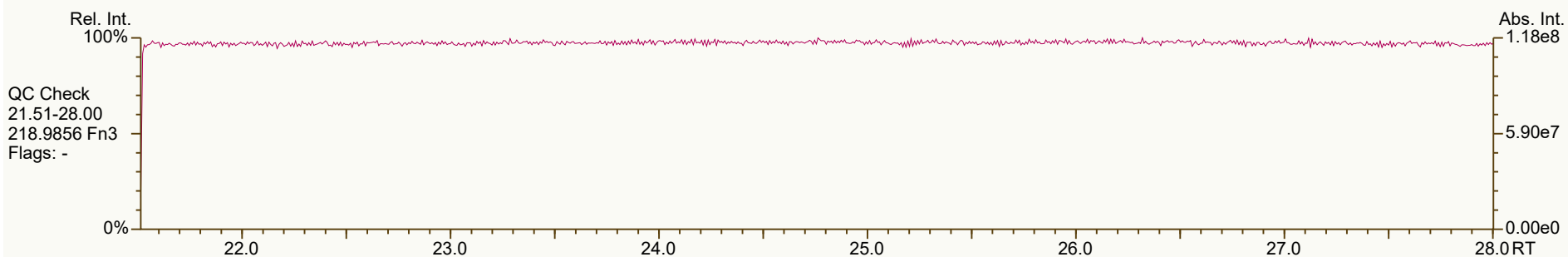
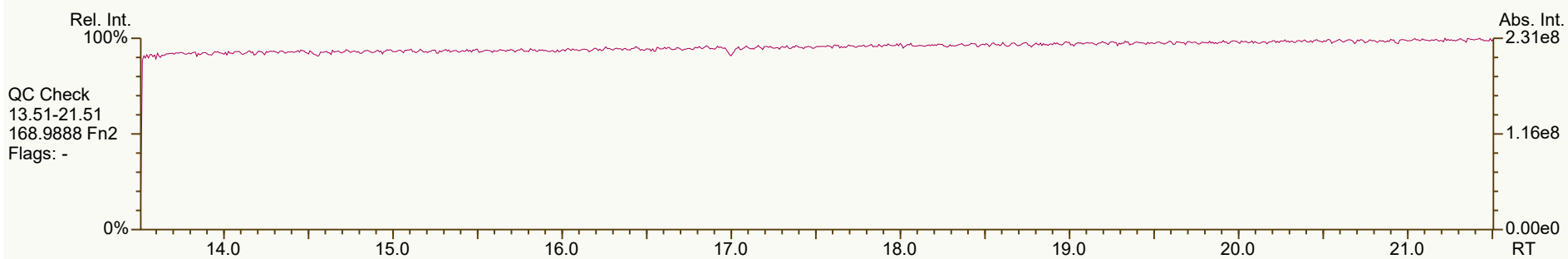
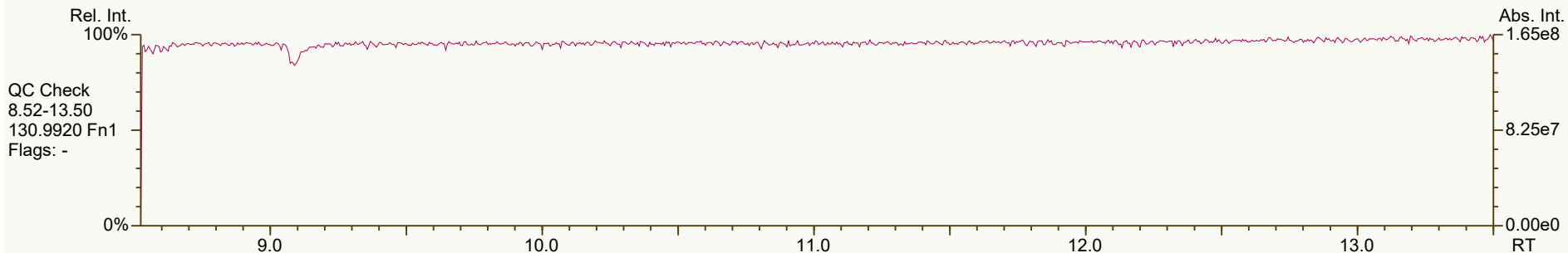
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VB.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5689, 6470, 7160, 0667, 5098 scc: 657-850

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 08:00 (DTF) Printed: 02-Oct-2024 11:12 Page 9 of 9

SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



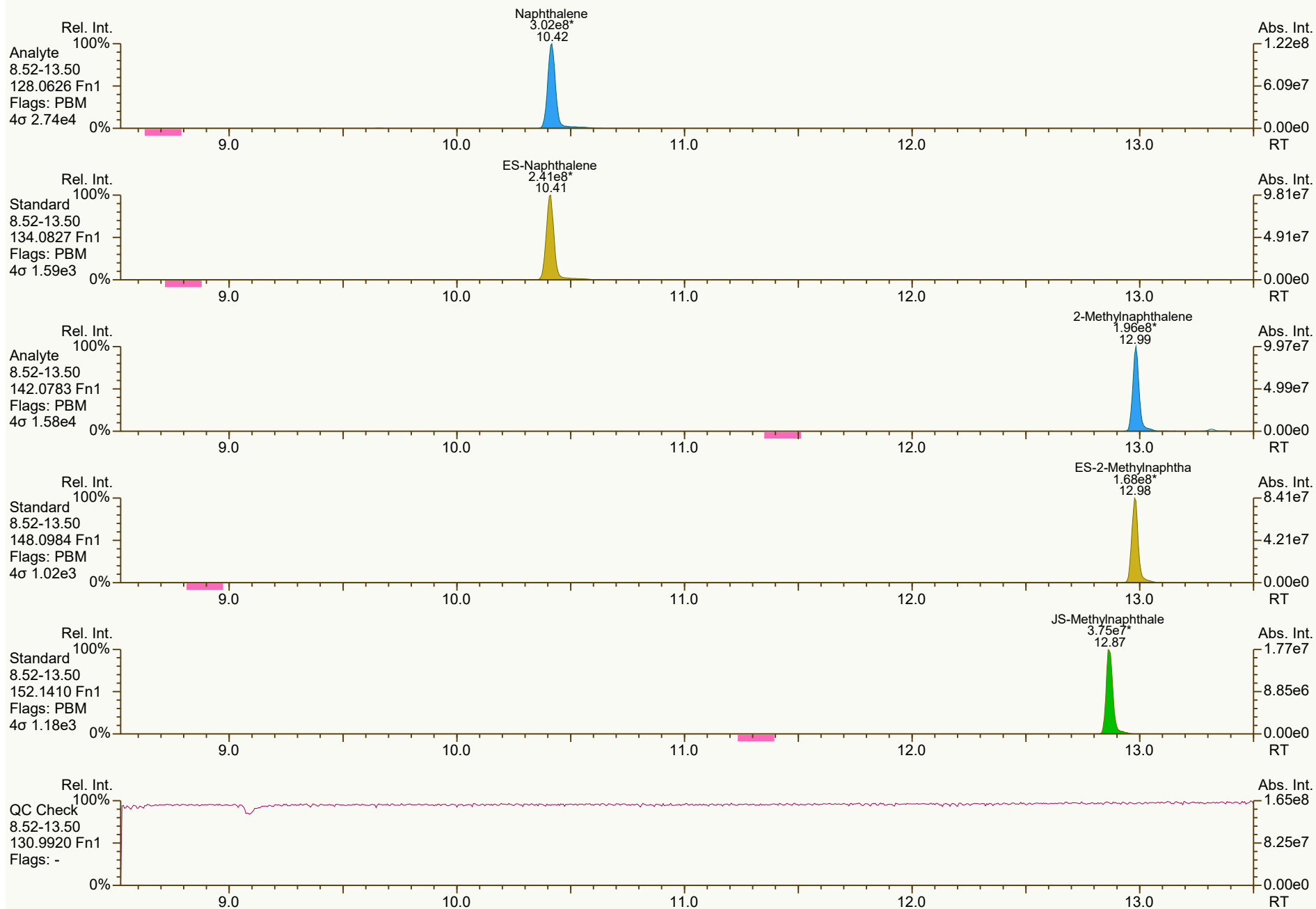
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VC.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 254-055

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:14 Page 1 of 9

SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VC.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9346, 5643, 8315, 7882, 8540 scc: 254-055

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 15:32 (DTF) Printed: 02-Oct-2024 11:14 Page 2 of 9

SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



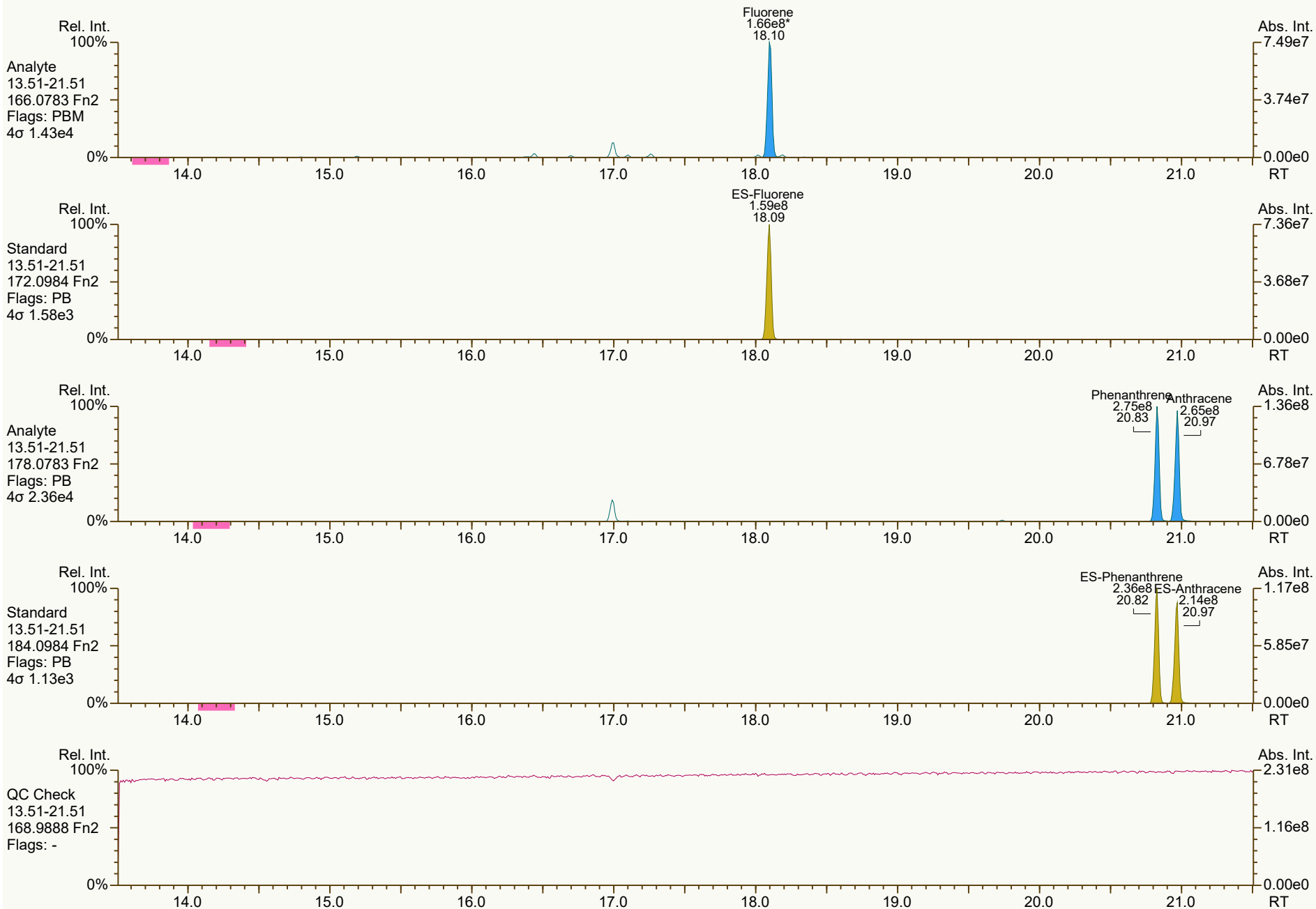
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VC.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5364, 9015, 2396, 6929, 9515 scc: 254-055

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 15:32 (DTF) Printed: 02-Oct-2024 11:14 Page 3 of 9

SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



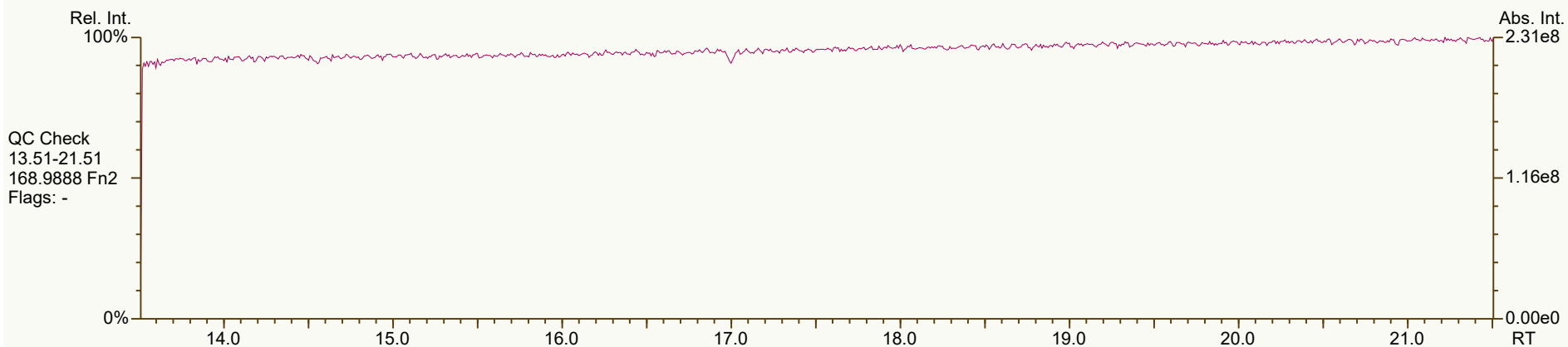
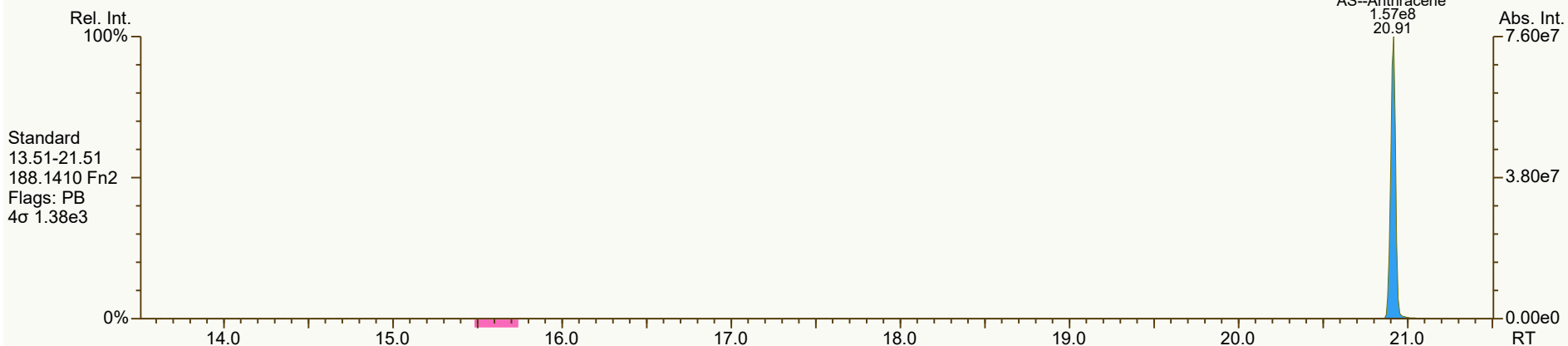
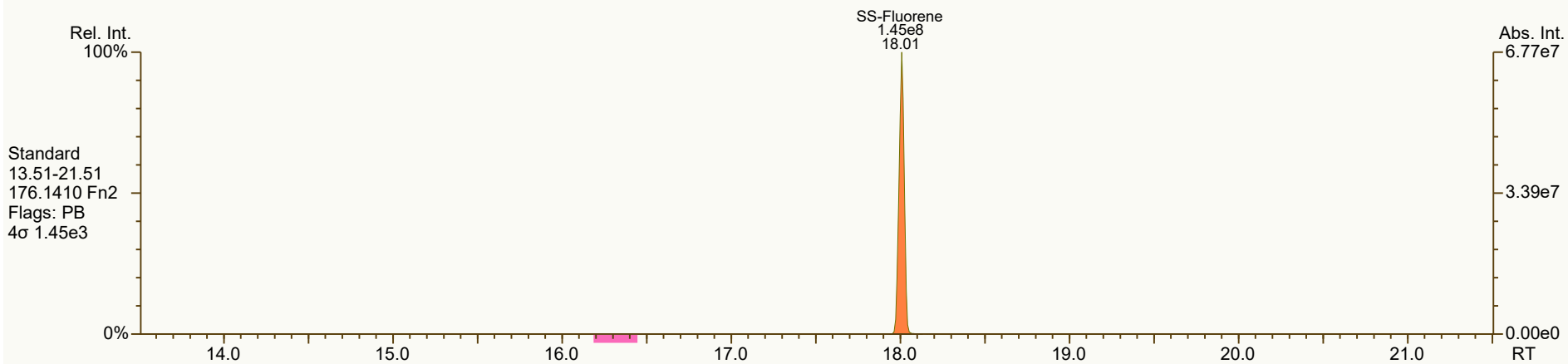
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VC.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1372, 6601, 0755, 0268 scc: 254-055

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 15:32 (DTF) Printed: 02-Oct-2024 11:14 Page 4 of 9

SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

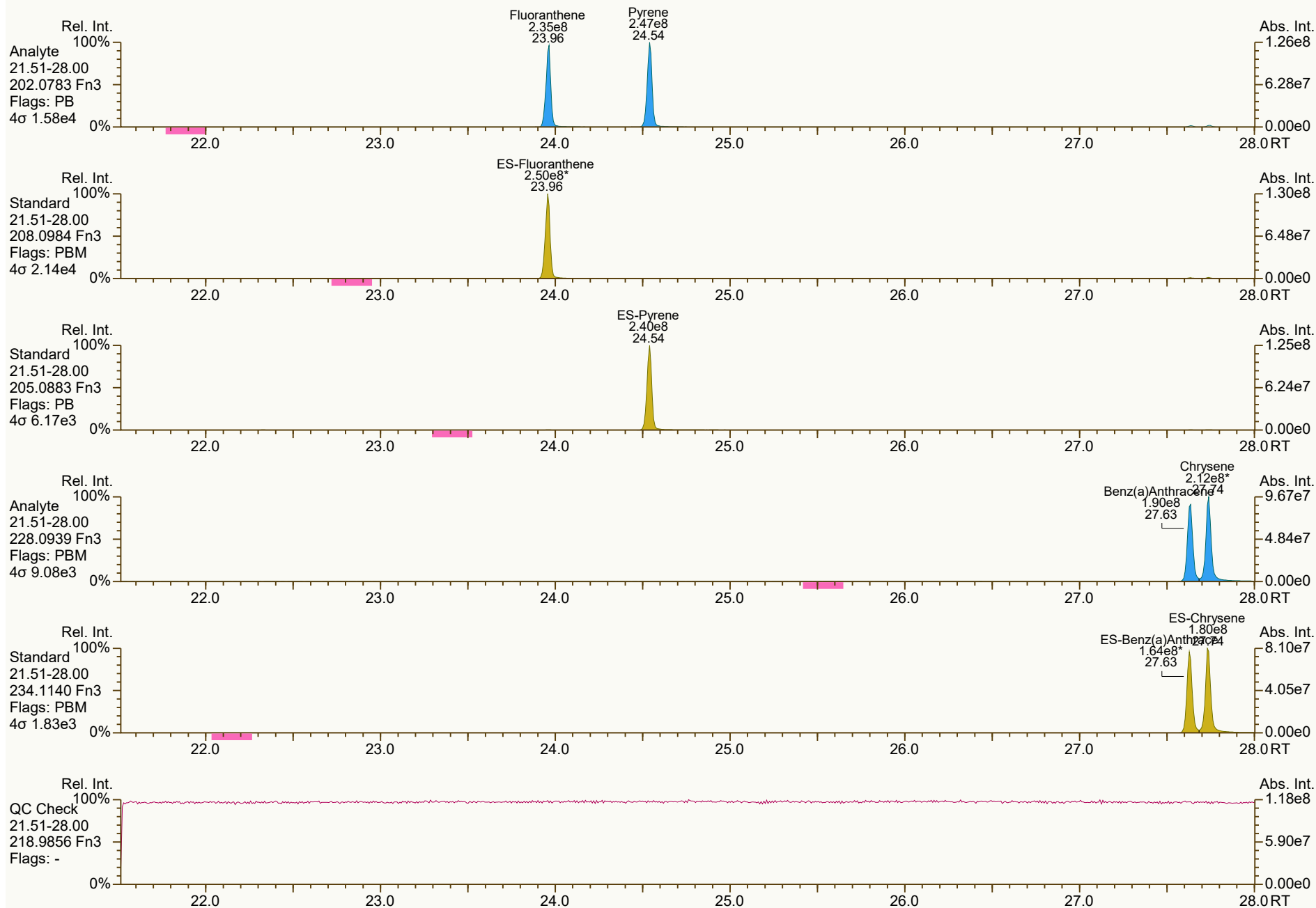
Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



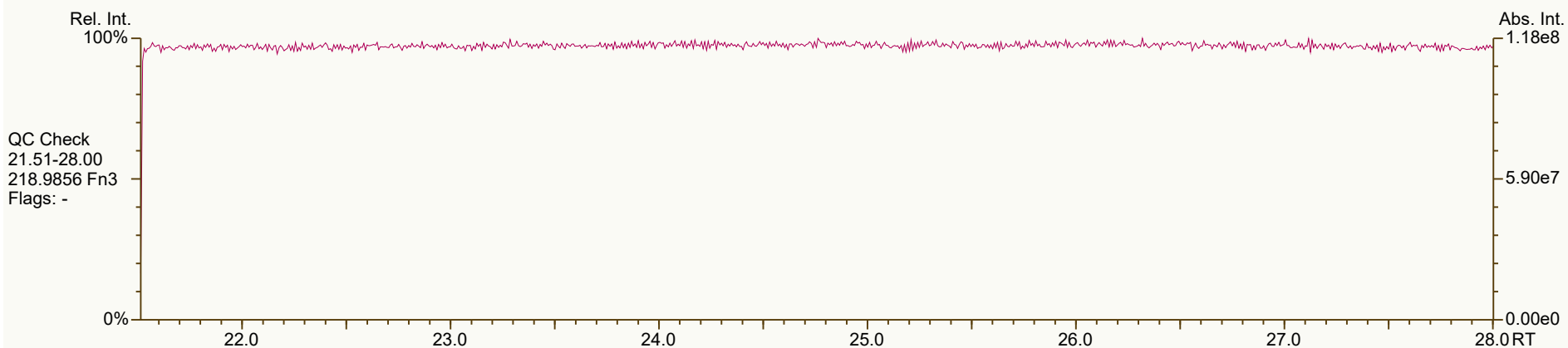
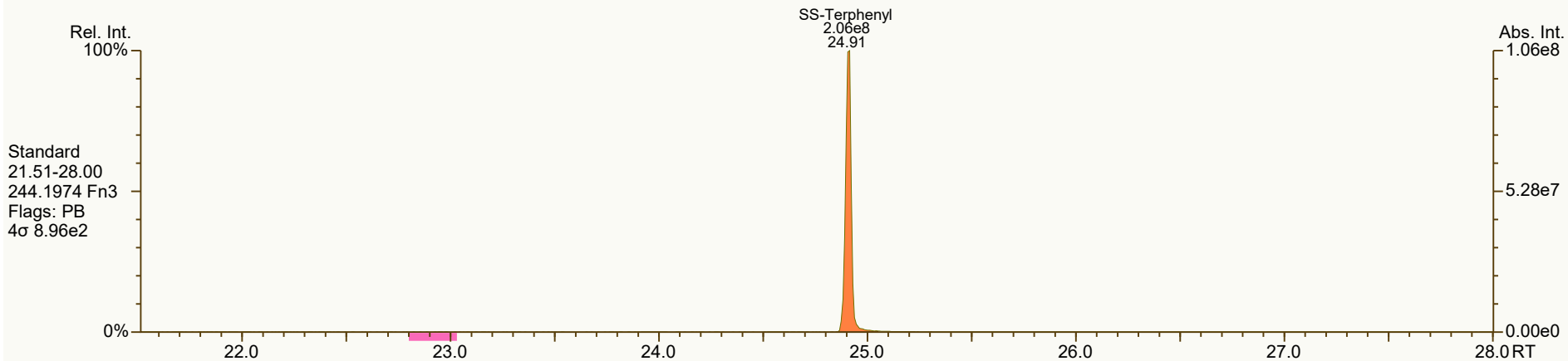
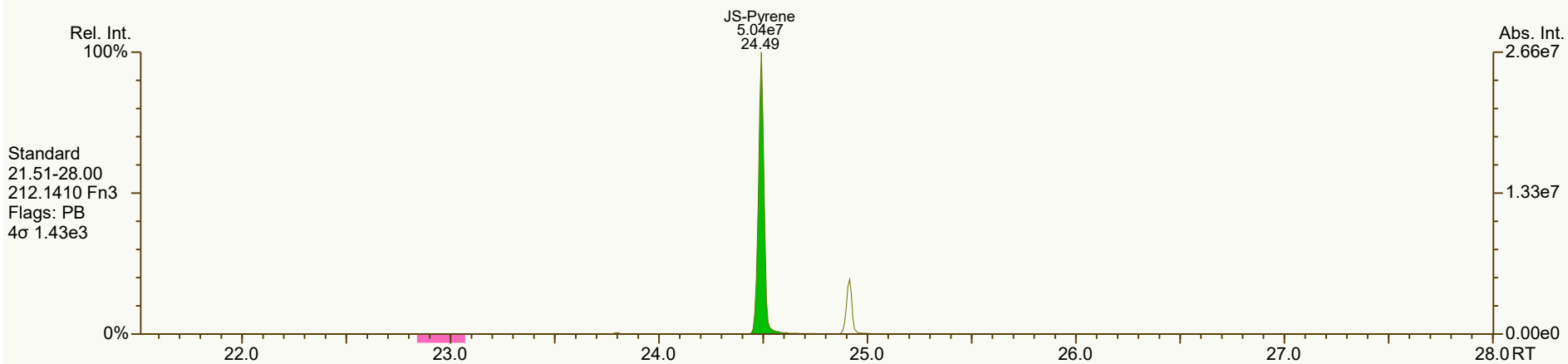
Results: P:\B9800_B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VC.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9902, 9093, 6105, 6704, 0541 scc: 254-055

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 15:32 (DTF) Printed: 02-Oct-2024 11:14 Page 6 of 9

SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



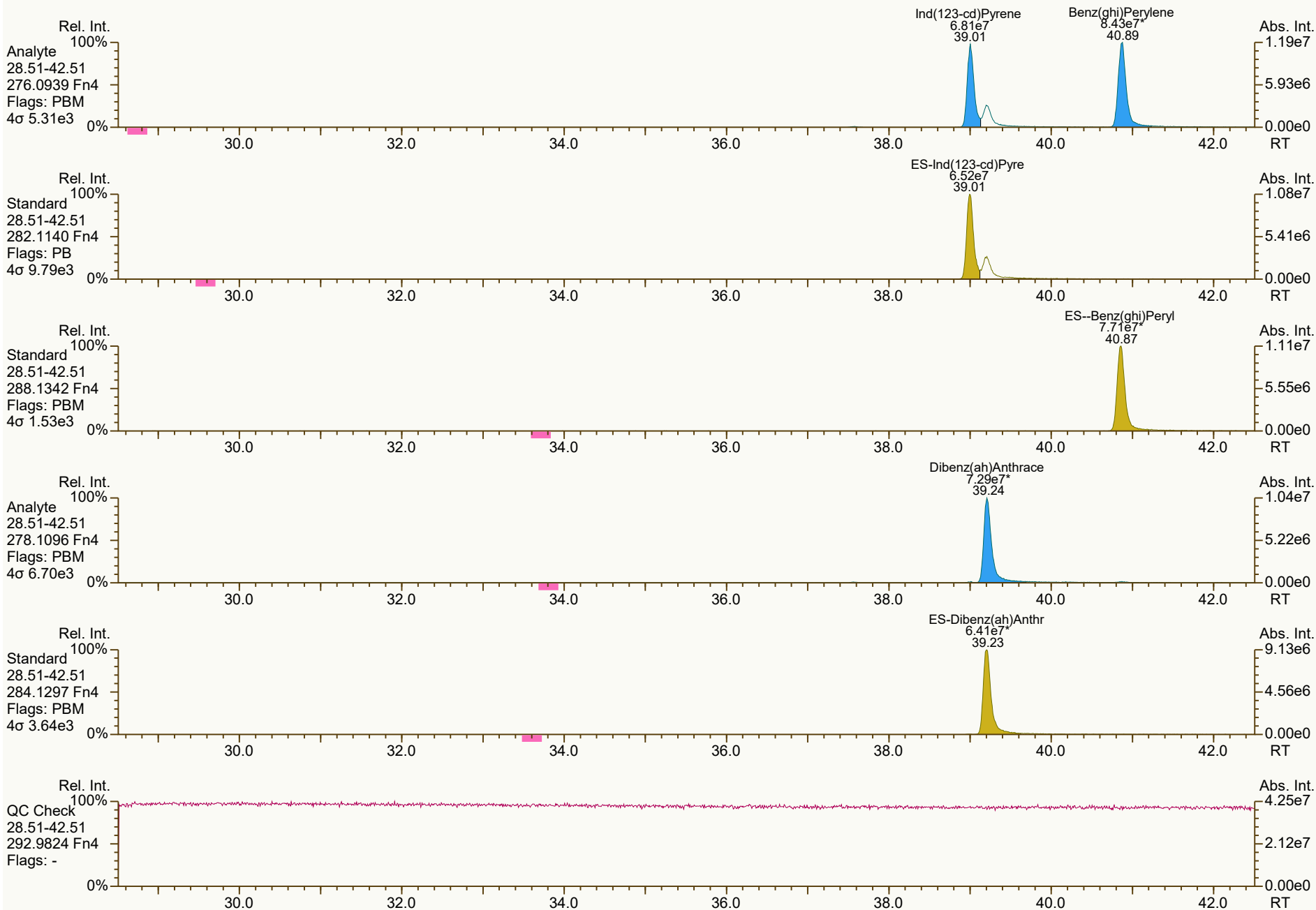
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VC.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6625, 3997, 4261, 5458 scc: 254-055

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 15:32 (DTF) Printed: 02-Oct-2024 11:14 Page 8 of 9

SGS ID: BCS3_21458_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: BCS3_21458_PAH_VC
VSIR EI+ Expt: pah GC: pah Vial: 7

Acq: 01-Oct-2024 12:35:21
User: DTF Datafile: 240930V29



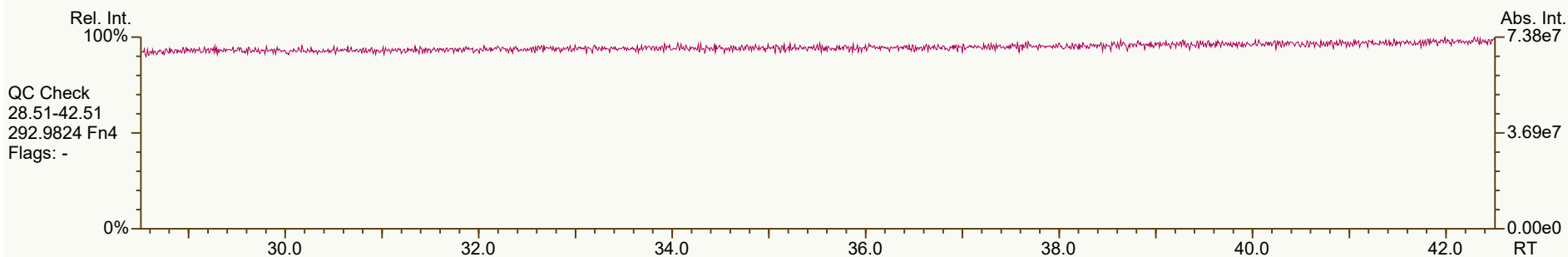
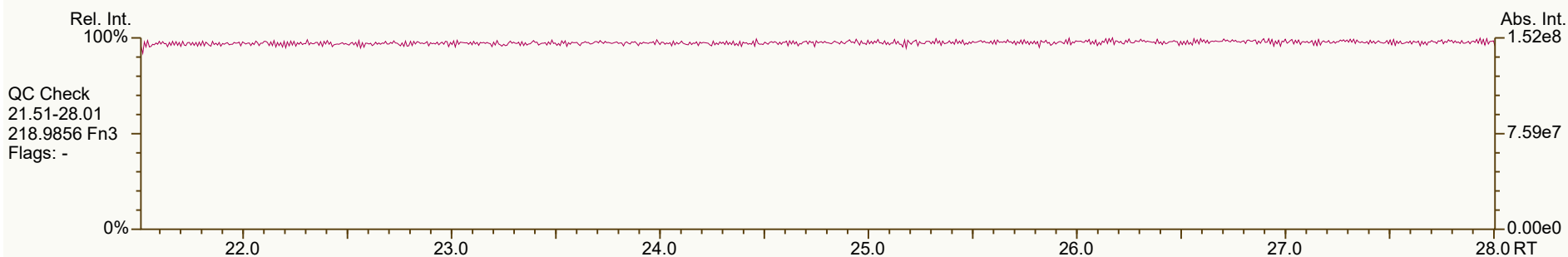
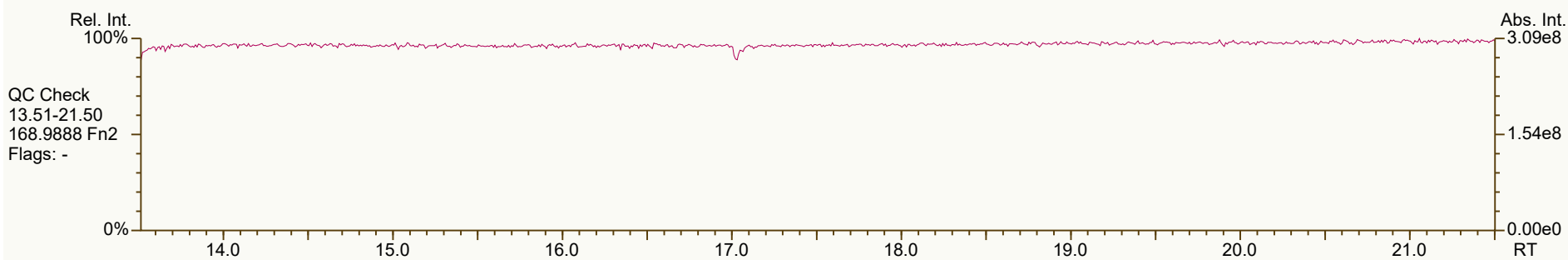
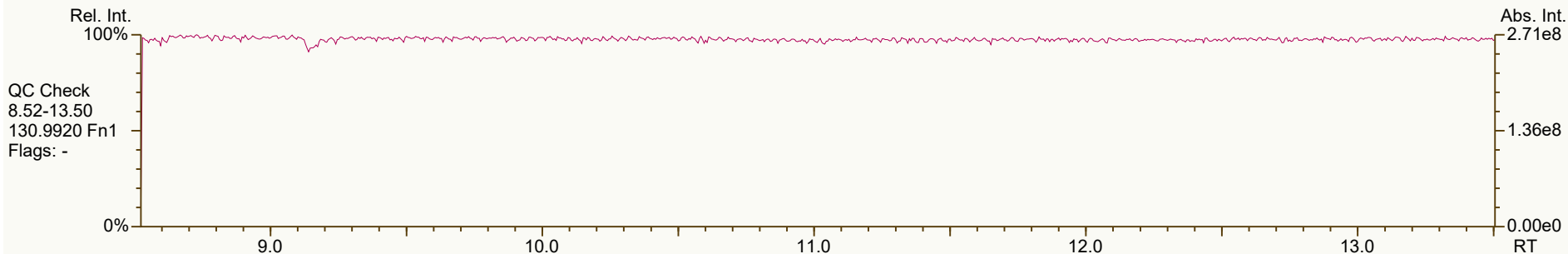
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\BCS3_21458_PAH_VC.utp_res, saved 01-Oct-2024 16:54 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0130, 4475, 9991, 6044, 3370 scc: 254-055

Peak annotation: Areas, Centroids
Revised: 01-Oct-2024 15:33 (DTF) Printed: 02-Oct-2024 11:14 Page 9 of 9

SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



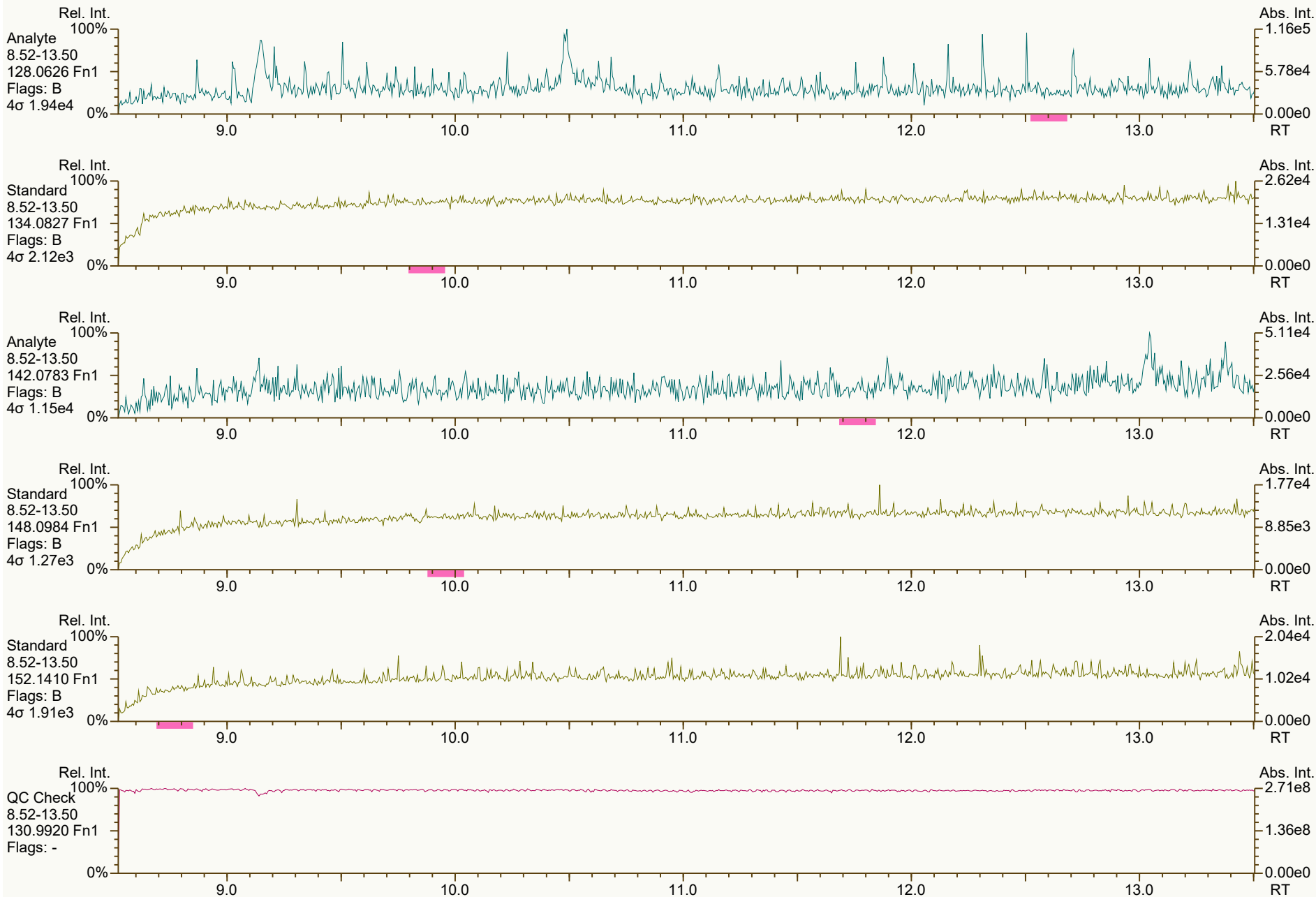
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\SB_240930_PAH_VA.utp_res, saved 01-Oct-2024 16:21 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 073-967

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:11 Page 1 of 9

SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VA.utp_res, saved 01-Oct-2024 16:21 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3434, 3169, 7465, 2223, 9058 scc: 073-967

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:21 Printed: 02-Oct-2024 11:11 Page 2 of 9

SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



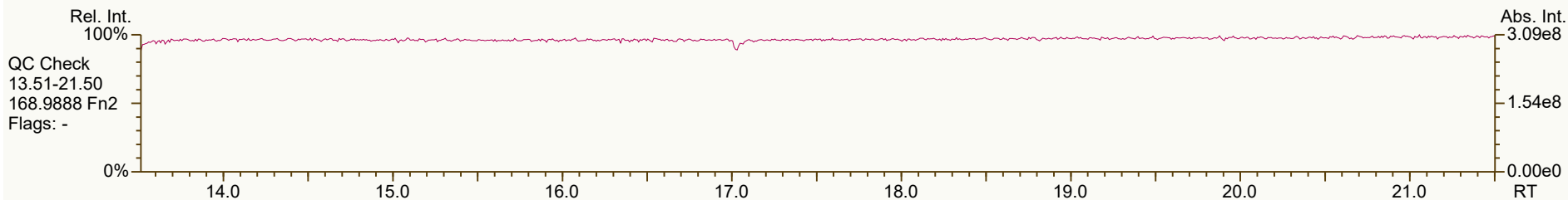
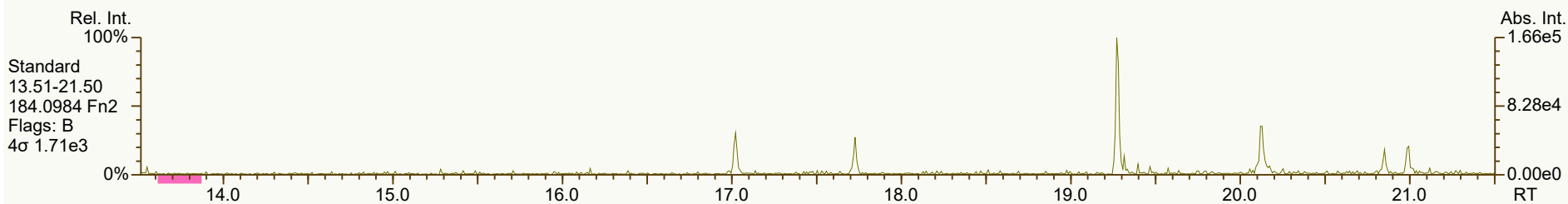
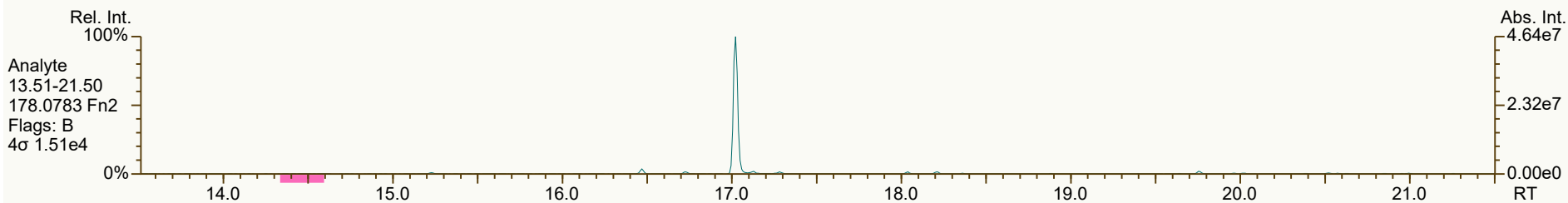
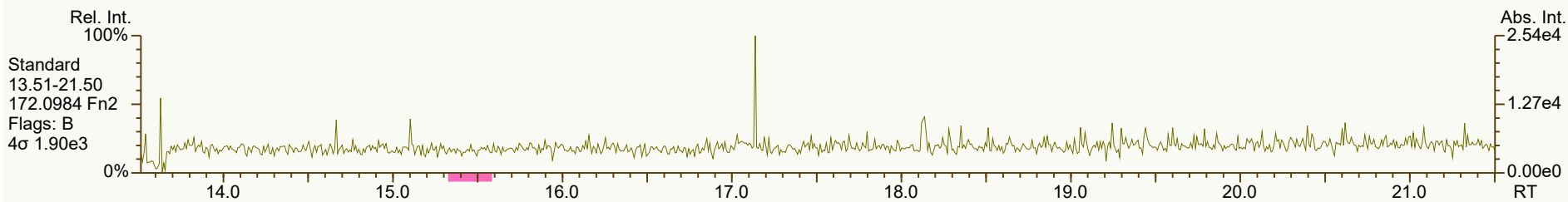
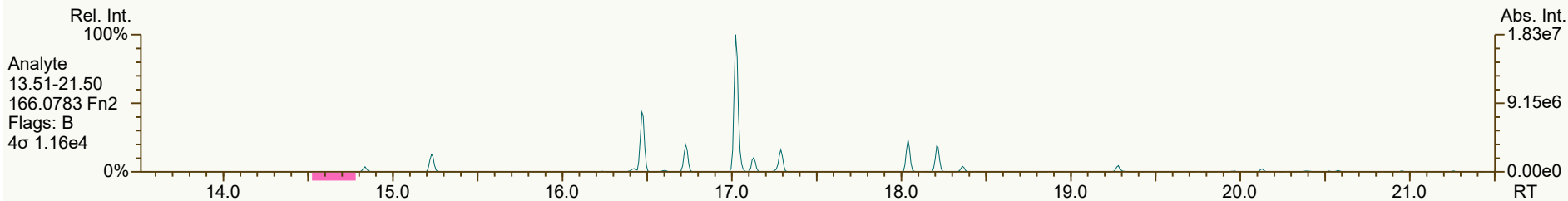
Results: P:\B9800_B9899\B9847\B9847_21458 PAHResources\SB_240930_PAH_VA.utp_res, saved 01-Oct-2024 16:21 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1829, 6646, 8045, 5088, 7597 scc: 073-967

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:21 Printed: 02-Oct-2024 11:11 Page 3 of 9

SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

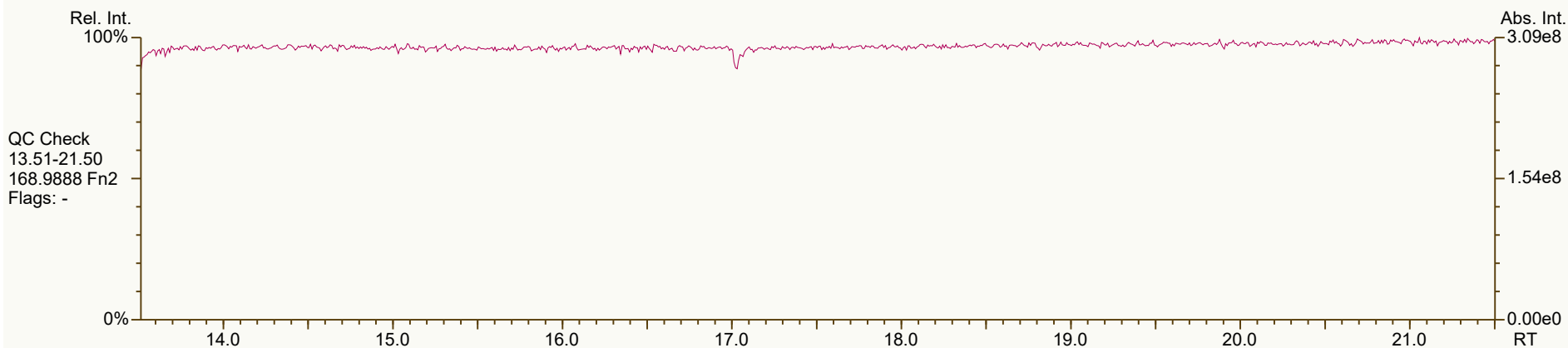
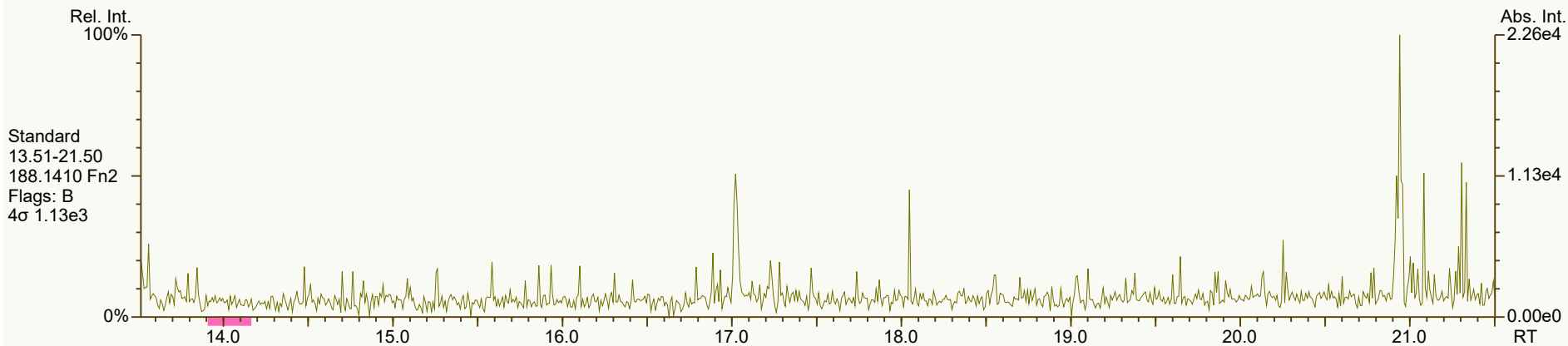
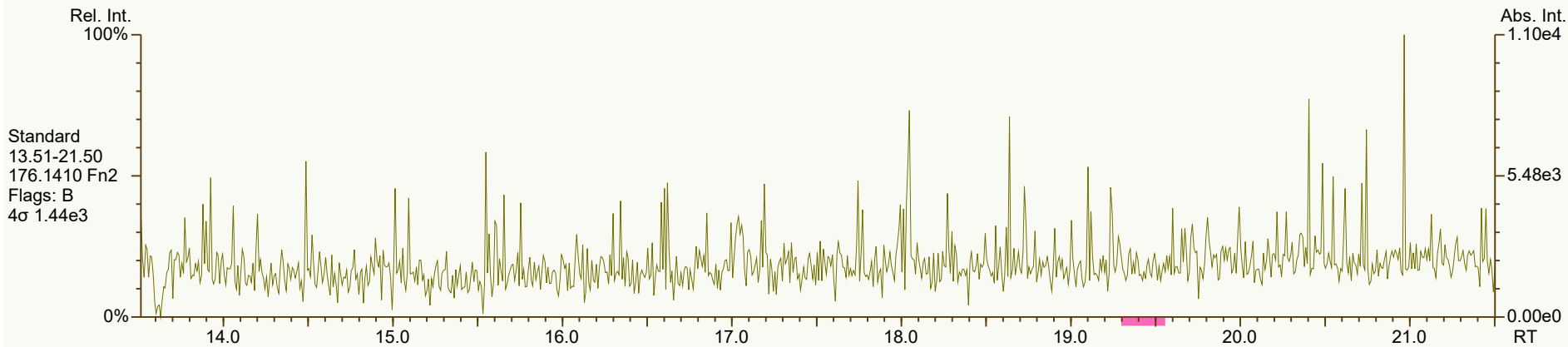
Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

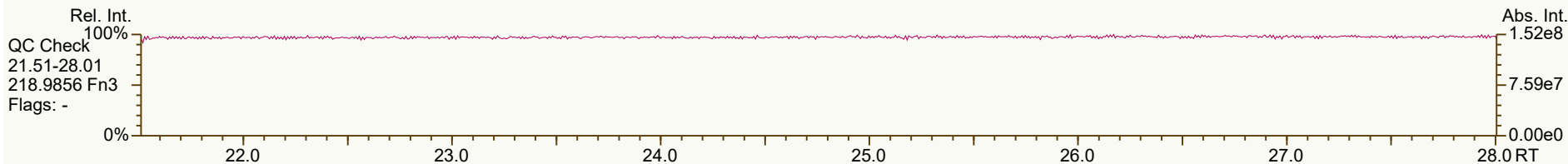
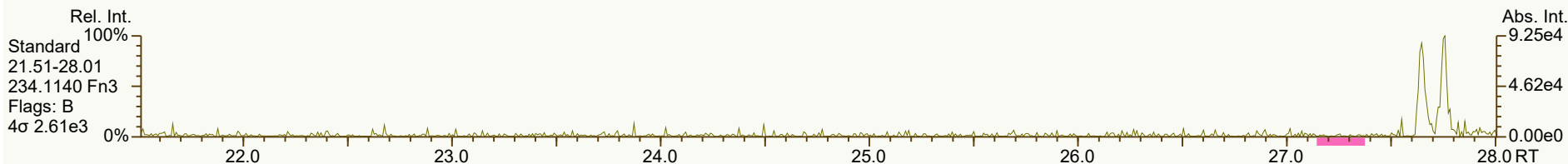
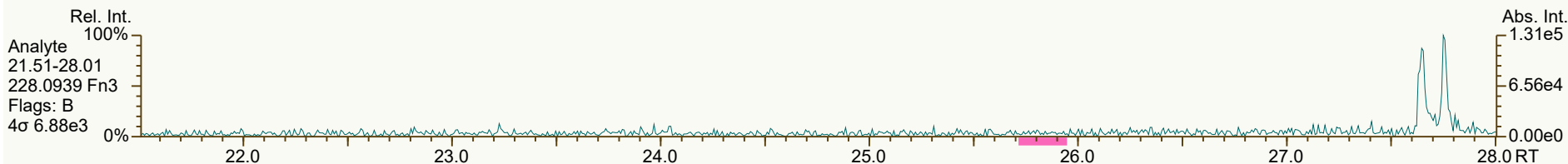
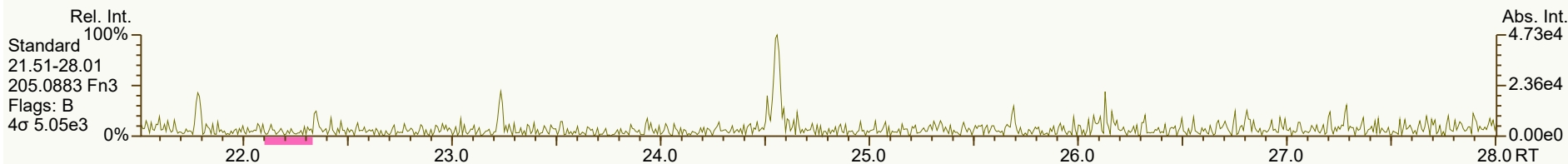
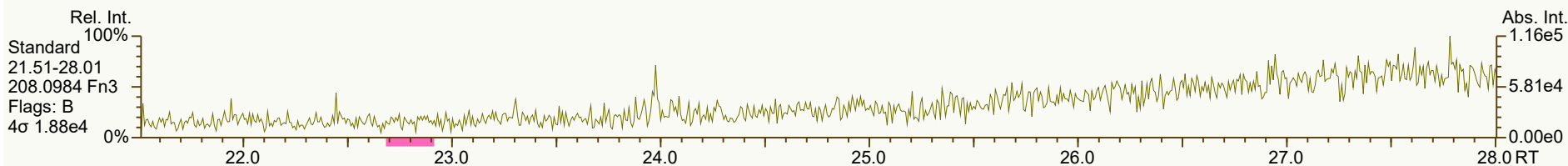
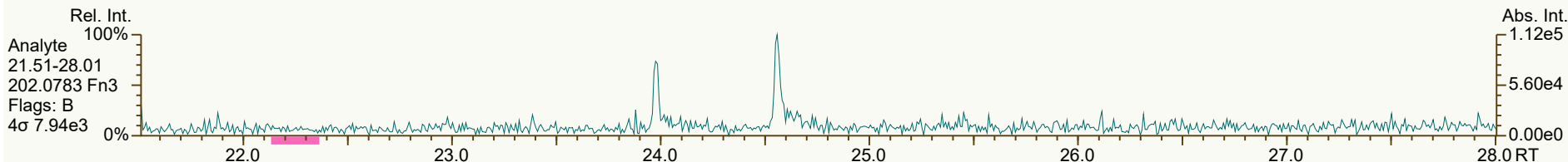
Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



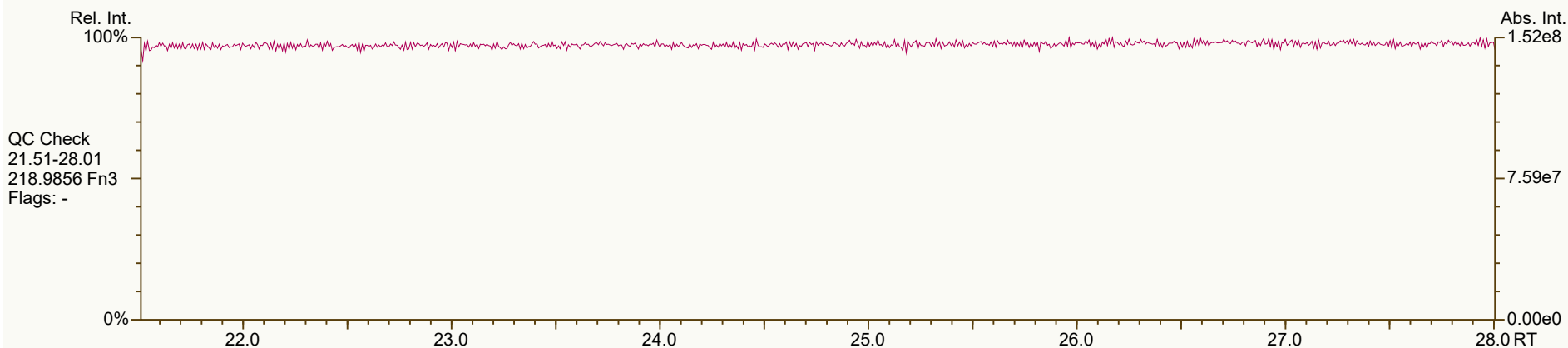
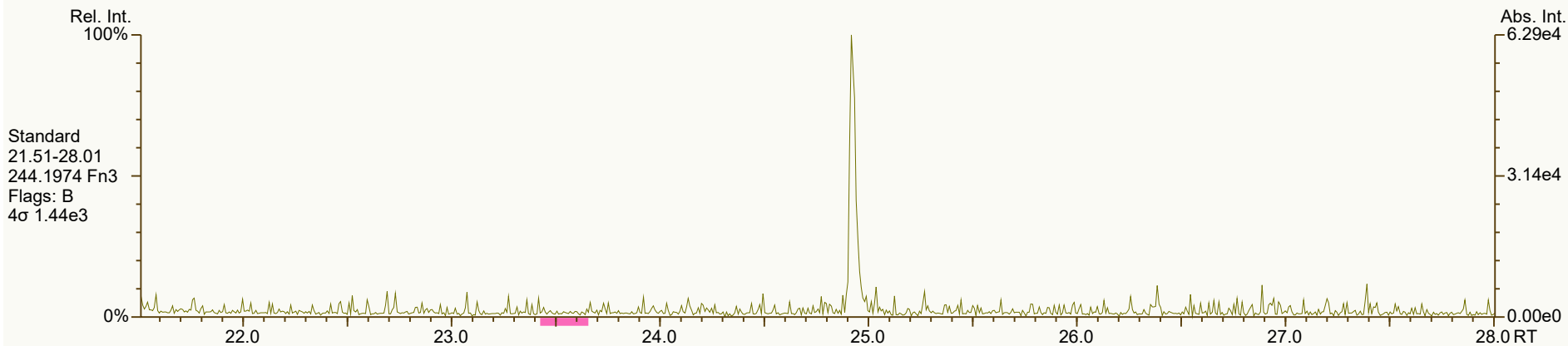
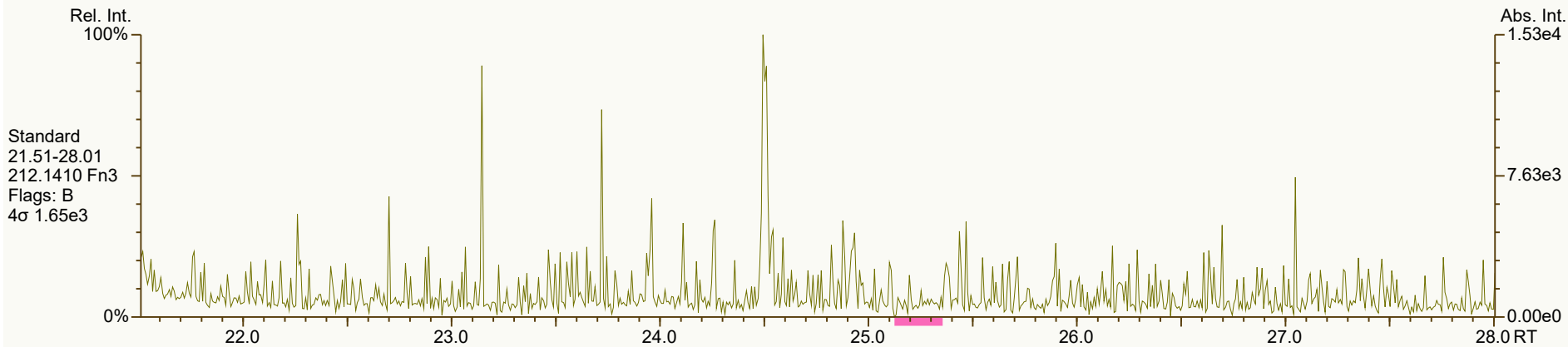
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VA.utp_res, saved 01-Oct-2024 16:21 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9750, 8584, 0036, 4244, 7429 scc: 073-967

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:21 Printed: 02-Oct-2024 11:11 Page 6 of 9

SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

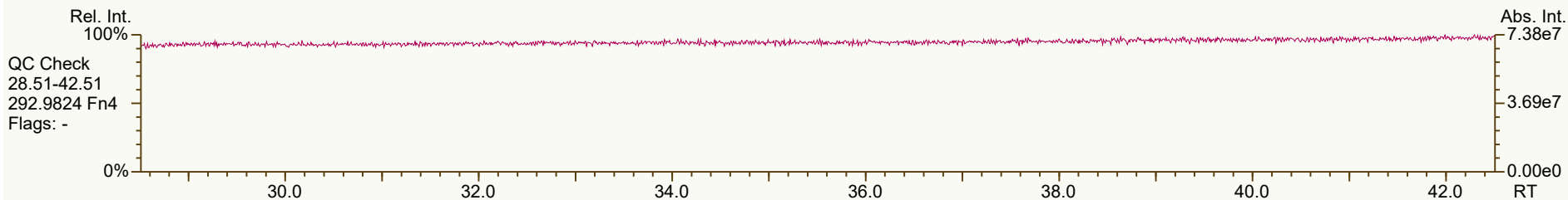
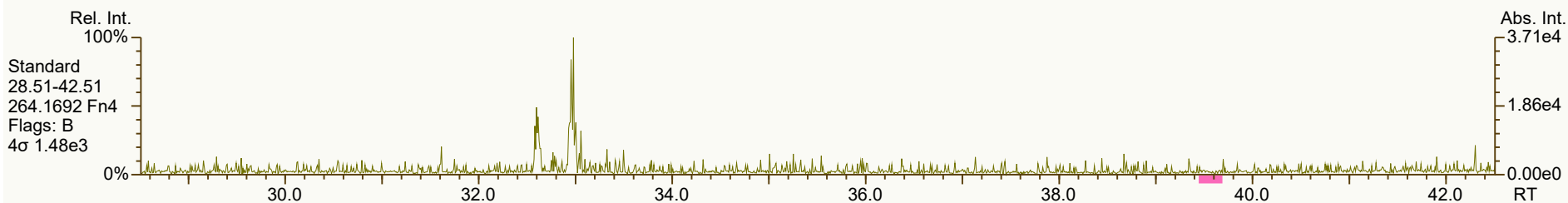
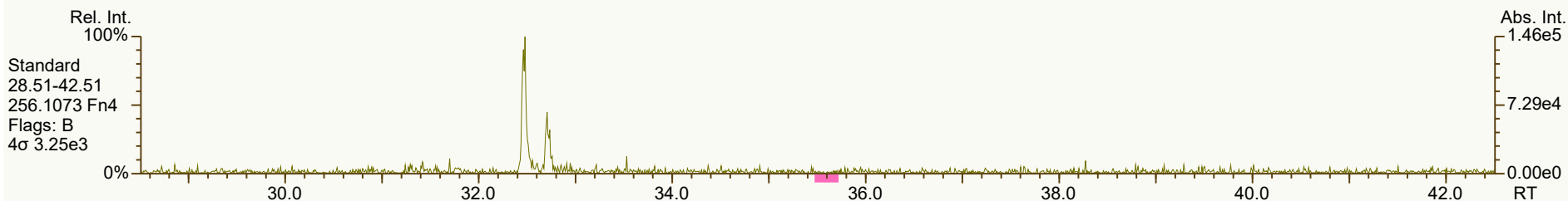
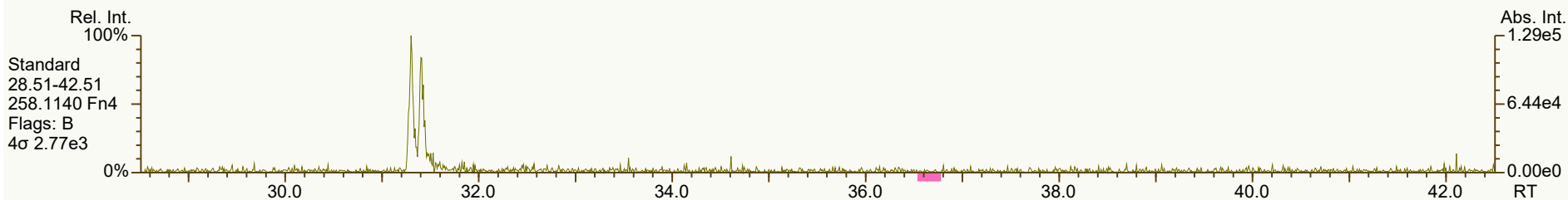
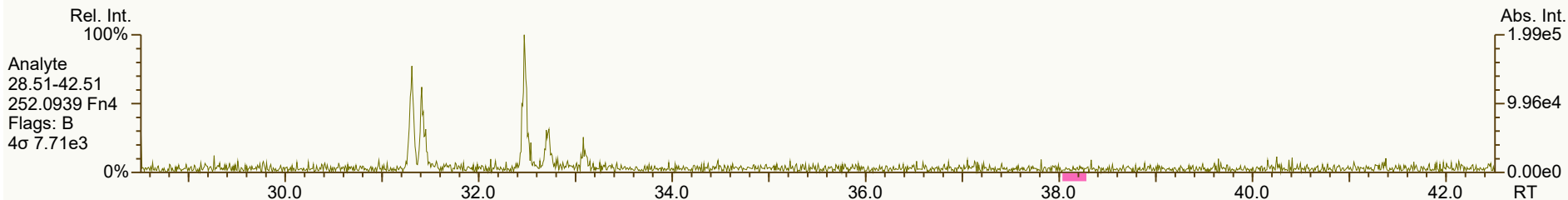
Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



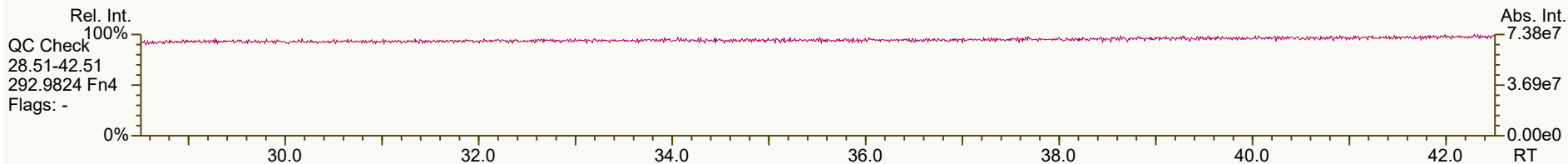
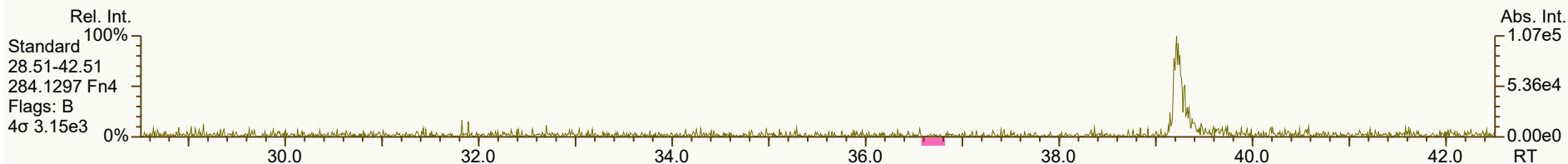
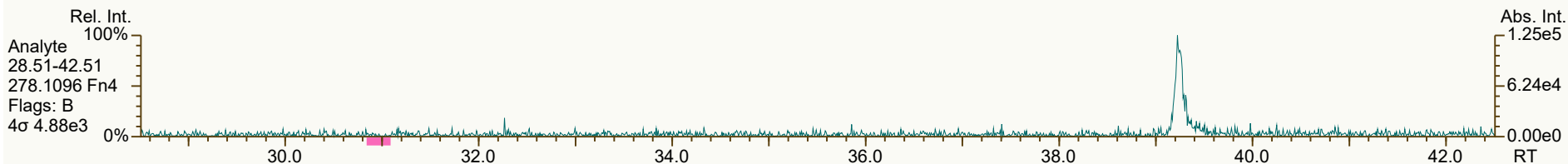
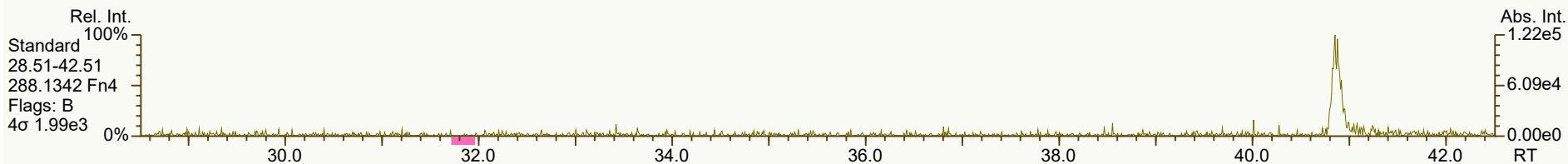
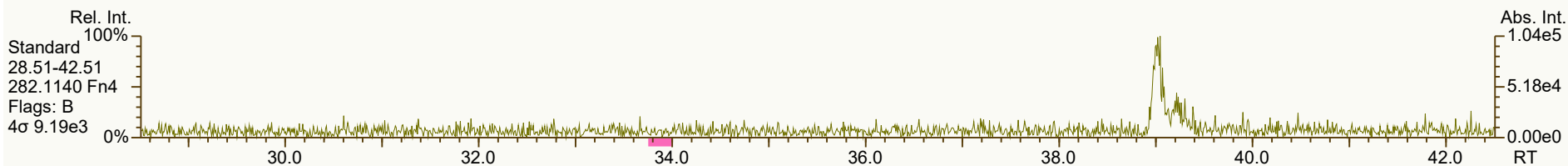
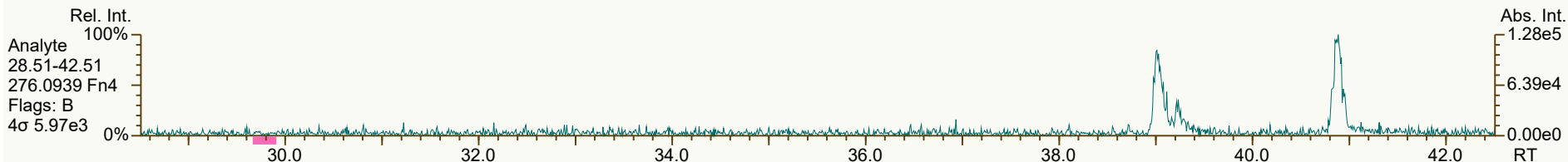
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VA.utp_res, saved 01-Oct-2024 16:21 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2006, 7912, 5628, 4752 scc: 073-967

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:21 Printed: 02-Oct-2024 11:11 Page 8 of 9

SGS ID: SB_240930_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 30-Sep-2024 19:26:28
User: DTF Datafile: 240930V07



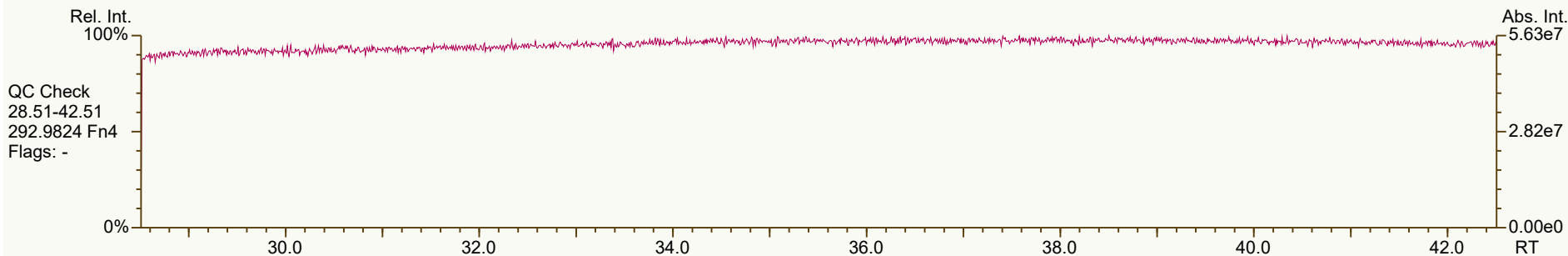
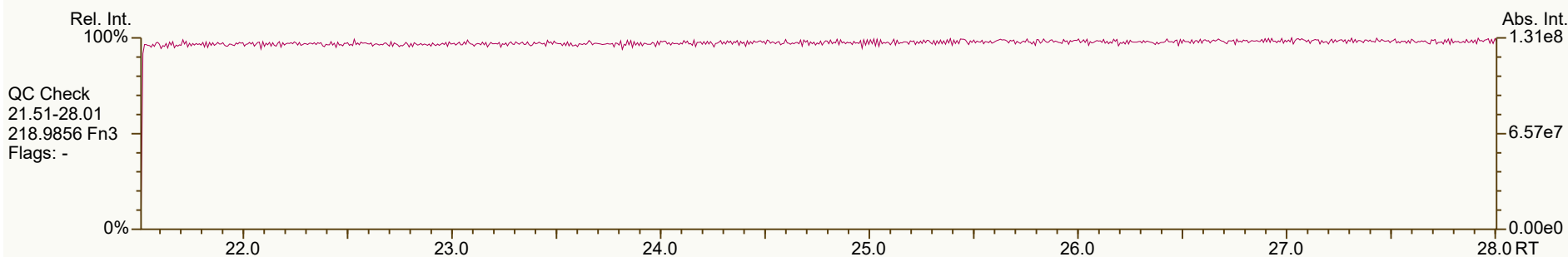
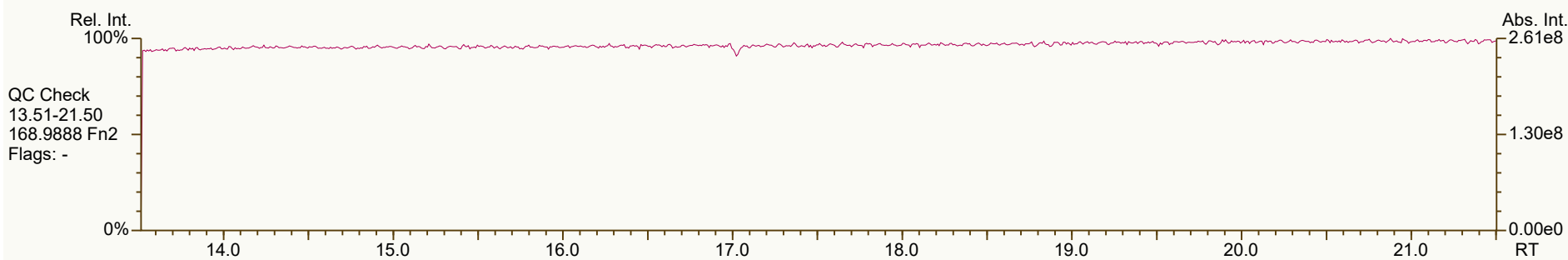
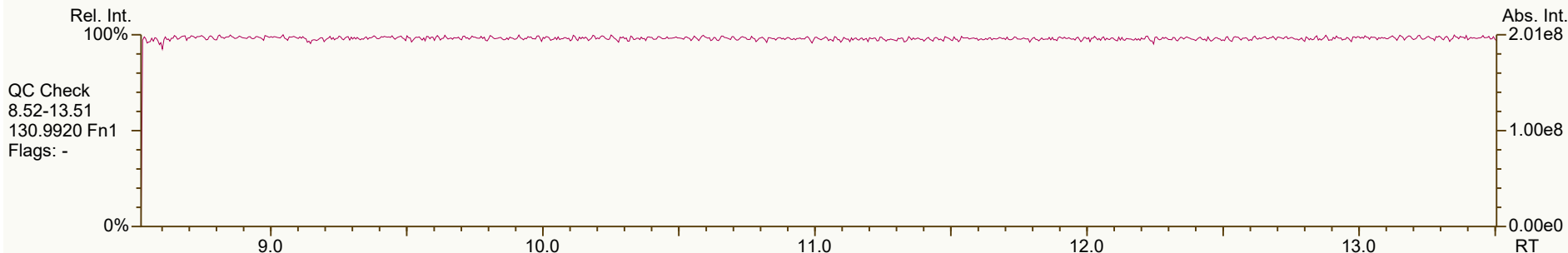
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VA.utp_res, saved 01-Oct-2024 16:21 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6100, 0794, 1837, 7218, 9542 scc: 073-967

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:21 Printed: 02-Oct-2024 11:11 Page 9 of 9

SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\SB_240930_PAH_VB.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 161-923

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:12 Page 1 of 9

SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VB.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5449, 8487, 1293, 1265, 8730 scc: 161-923

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 2 of 9

SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



Results: P:\B9800_B9899\B9847\B9847_21458 PAHResources\SB_240930_PAH_VB.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8616, 2514, 9655, 6510, 2022 scc: 161-923

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 3 of 9

SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



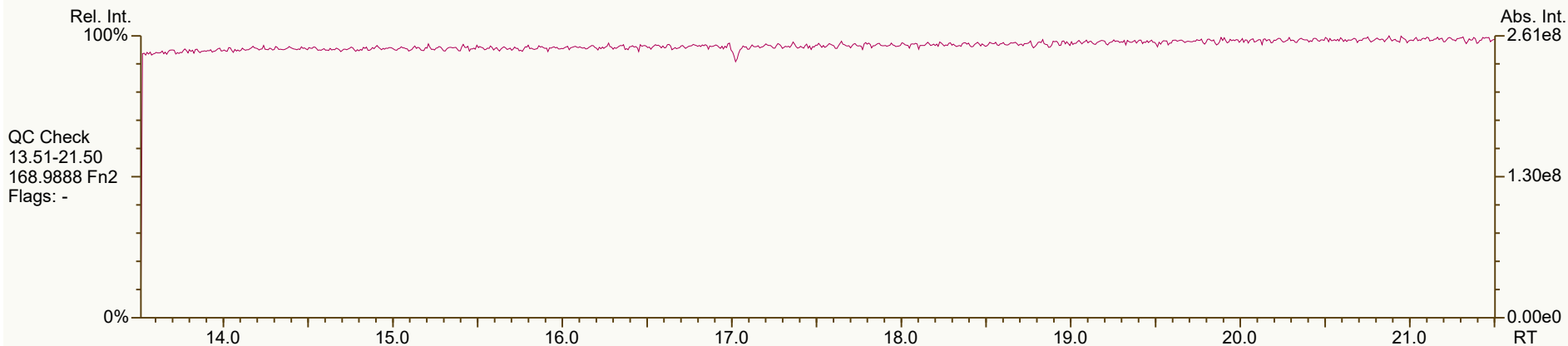
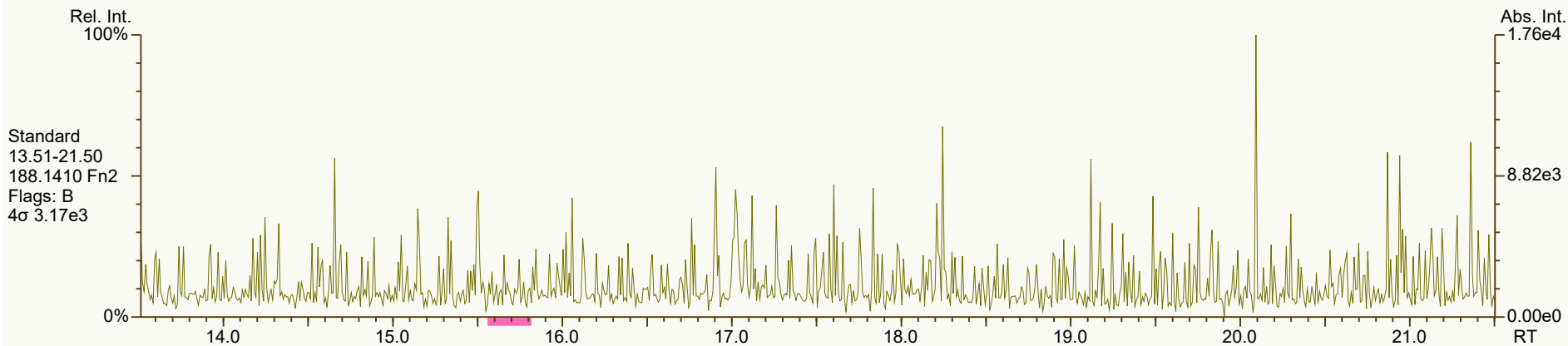
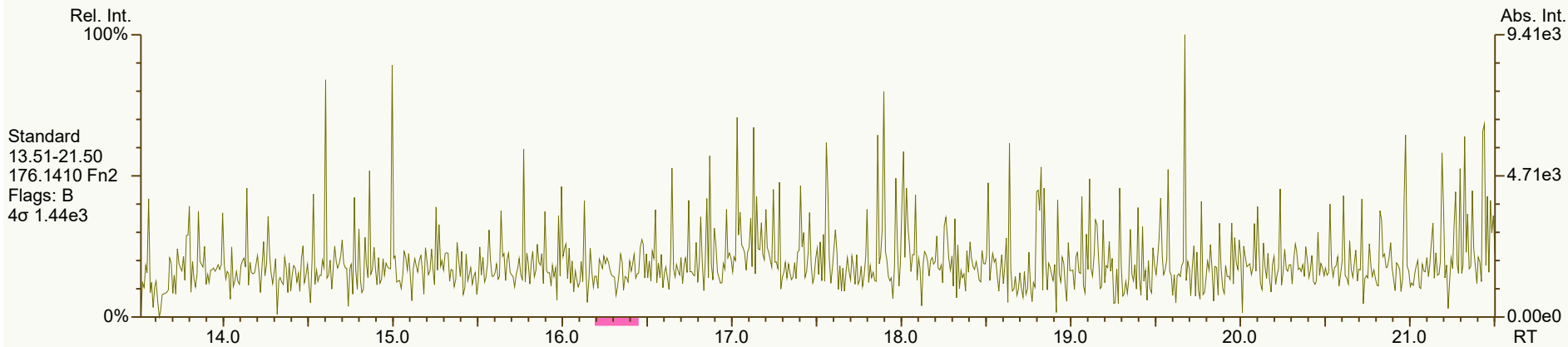
Results: P:\B9800_B9899\B9847\B9847_21458 PAHResources\SB_240930_PAH_VB.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0108, 8462, 8717, 7125 scc: 161-923

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 4 of 9

SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

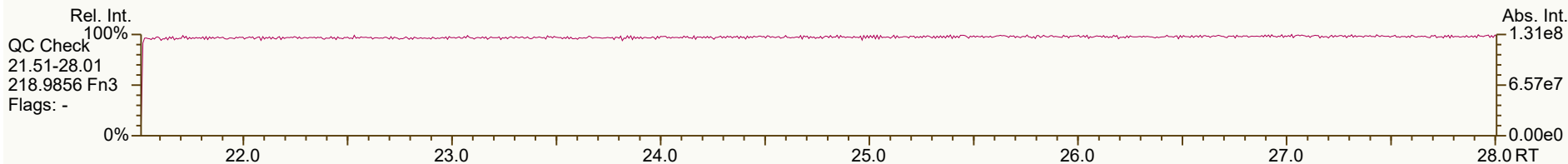
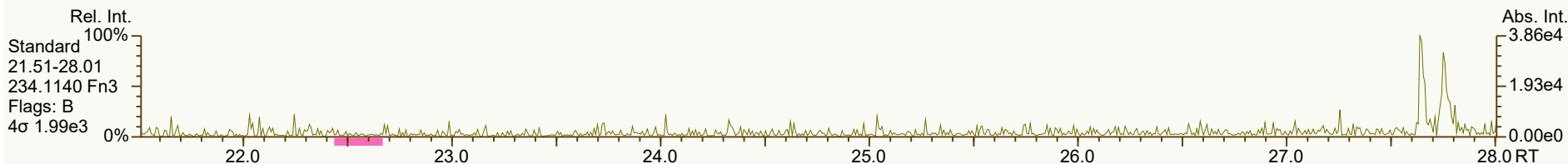
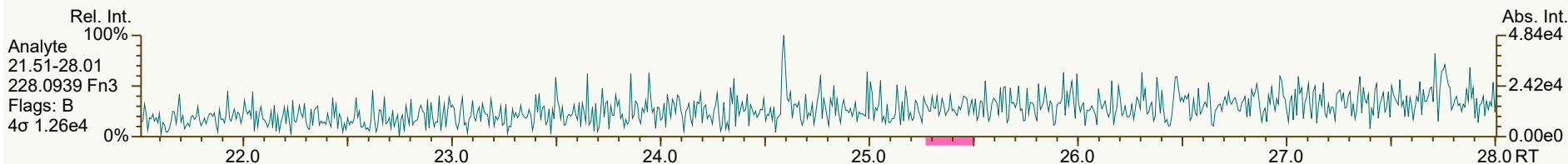
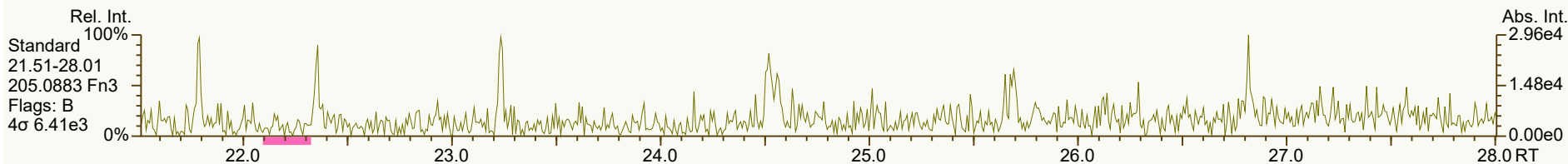
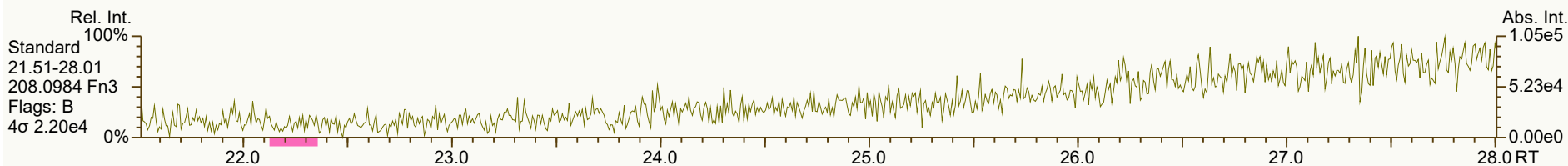
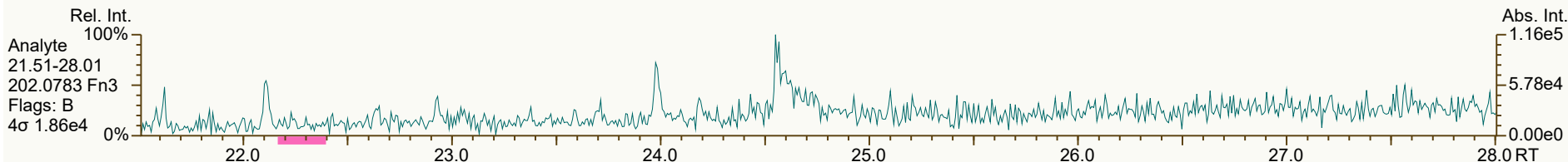
Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



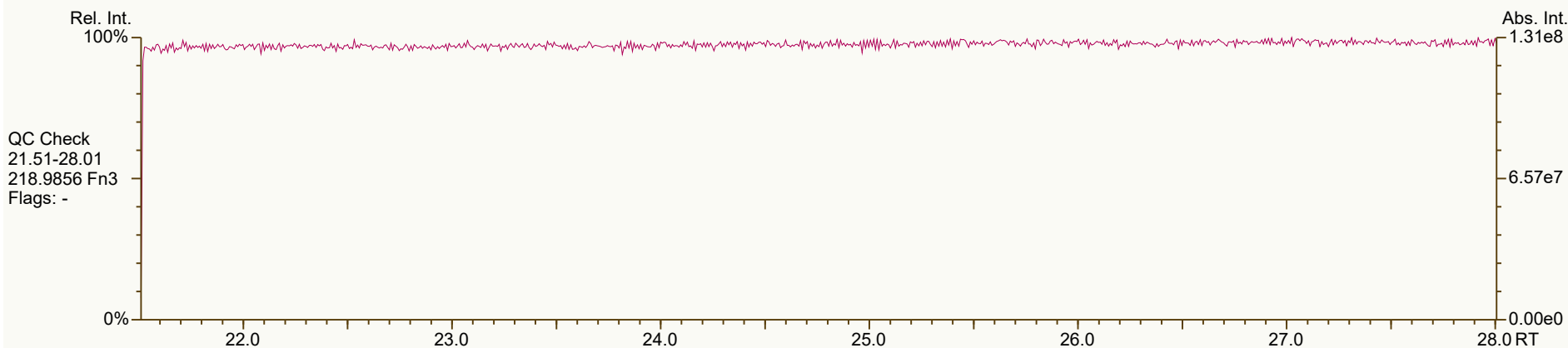
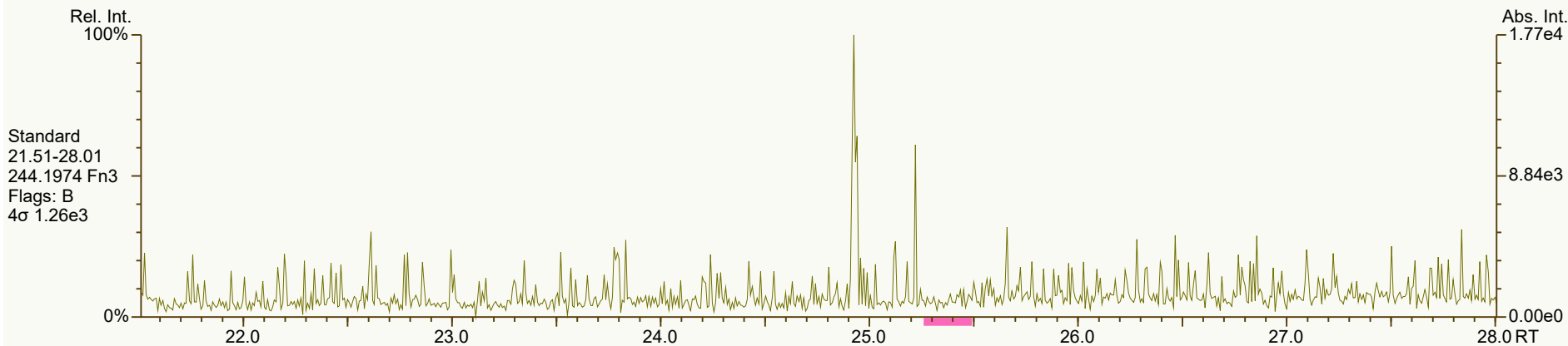
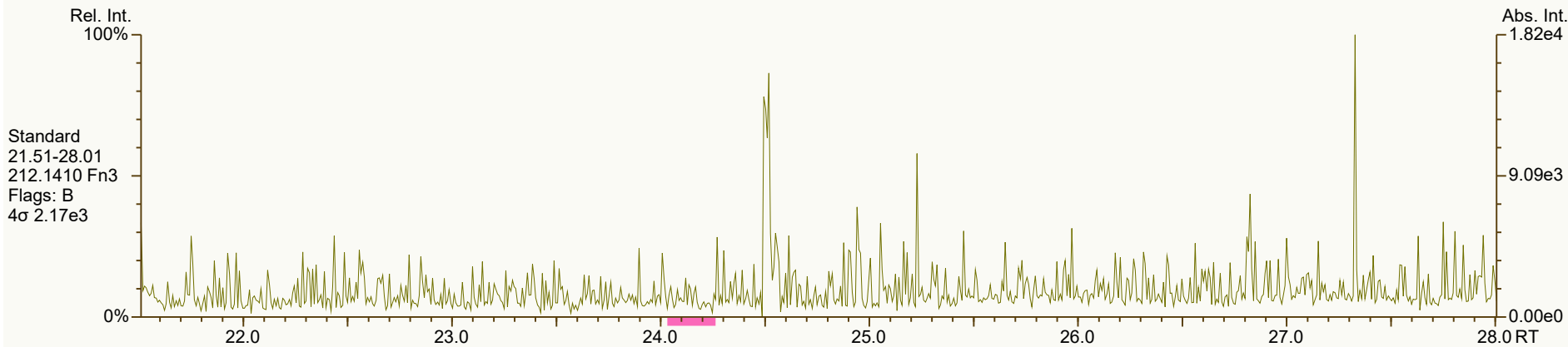
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VB.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2685, 9510, 7074, 8634, 1851 scc: 161-923

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 6 of 9

SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

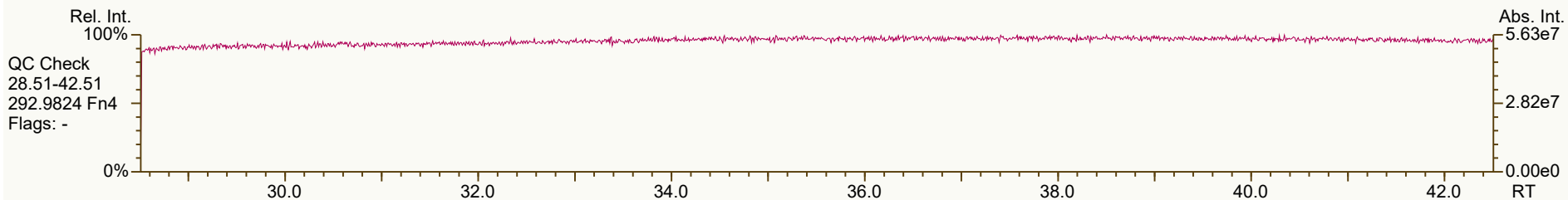
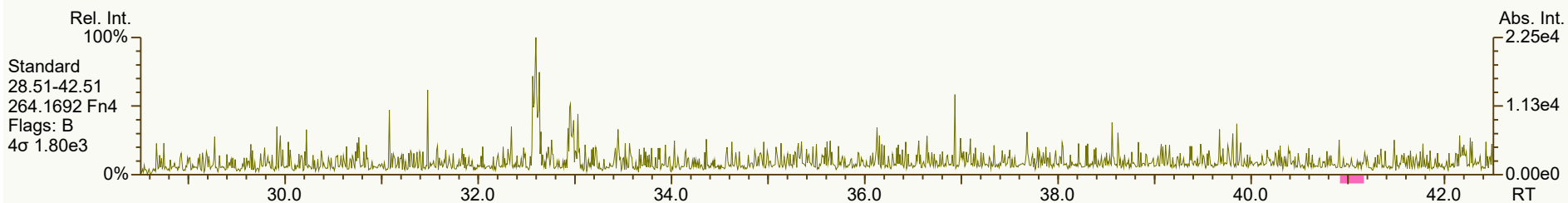
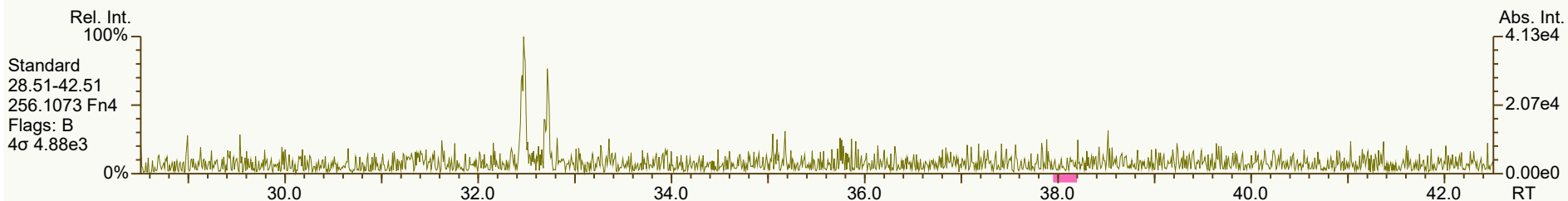
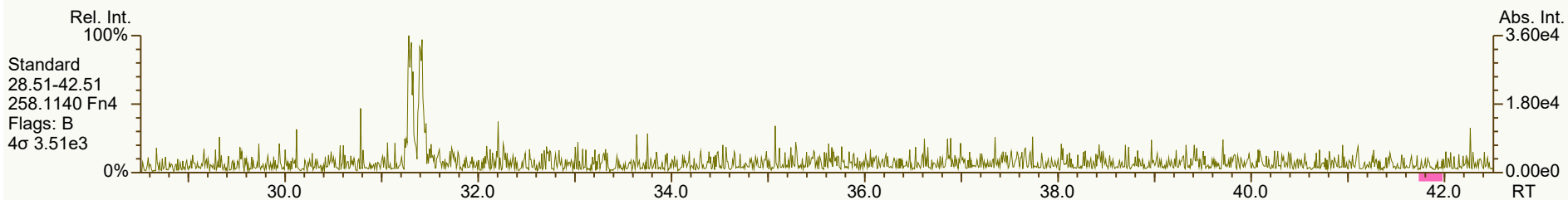
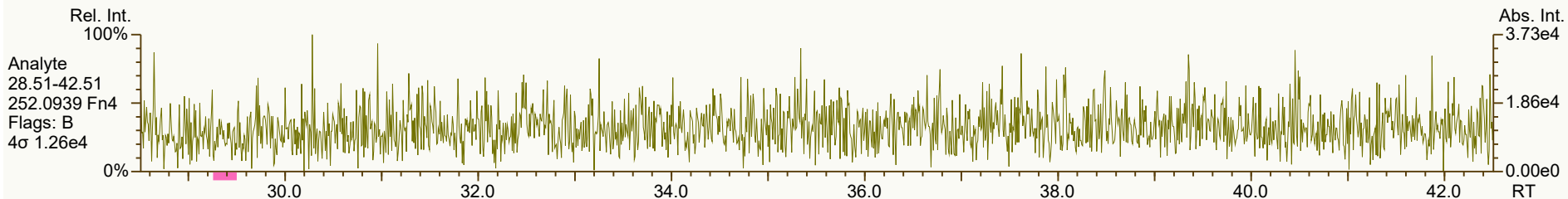
Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



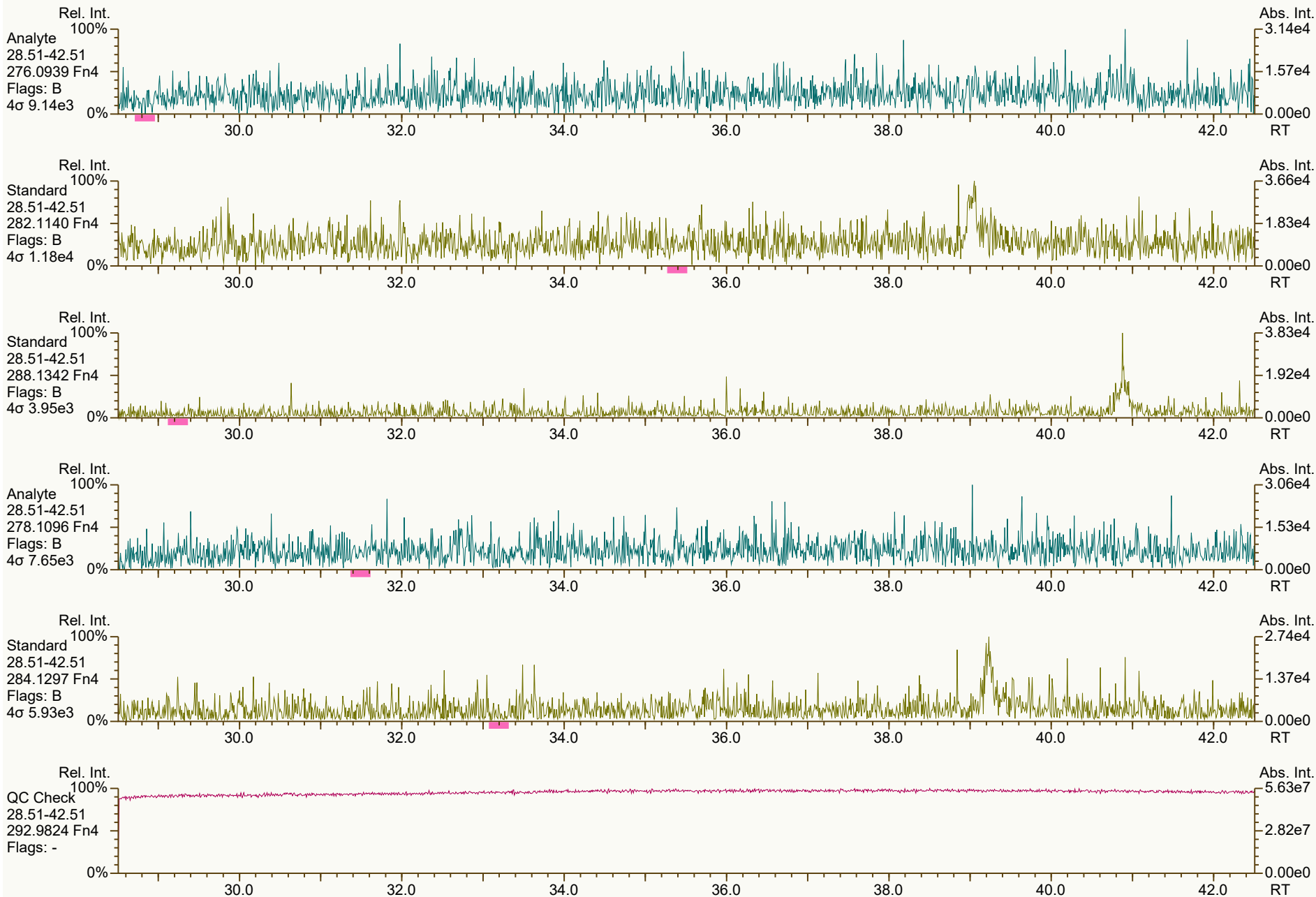
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VB.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7198, 9271, 2568, 9884 scc: 161-923

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 8 of 9

SGS ID: SB_240930_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 03:13:40
User: DTF Datafile: 240930V17



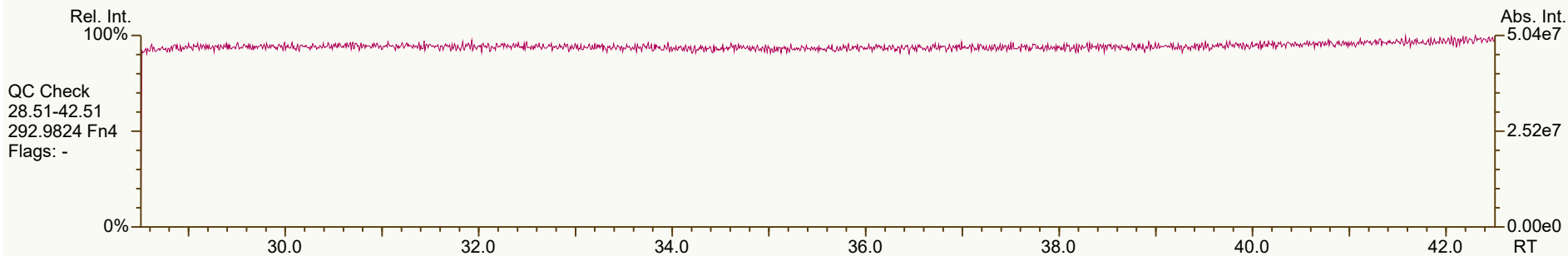
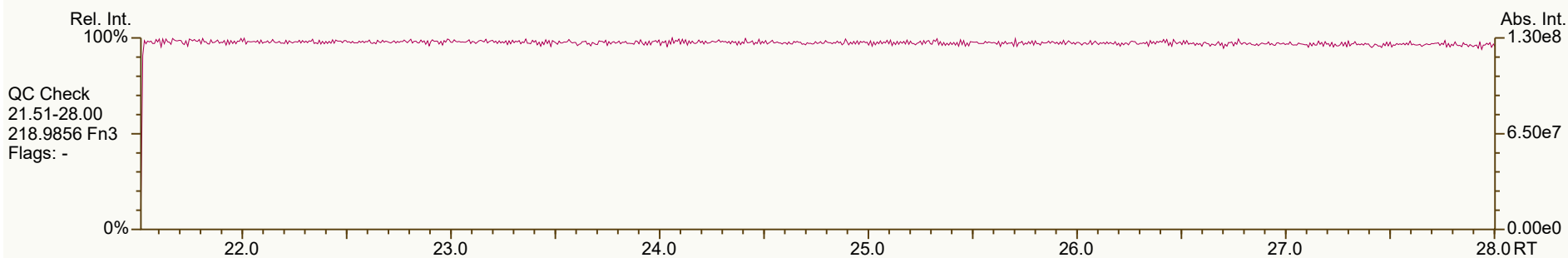
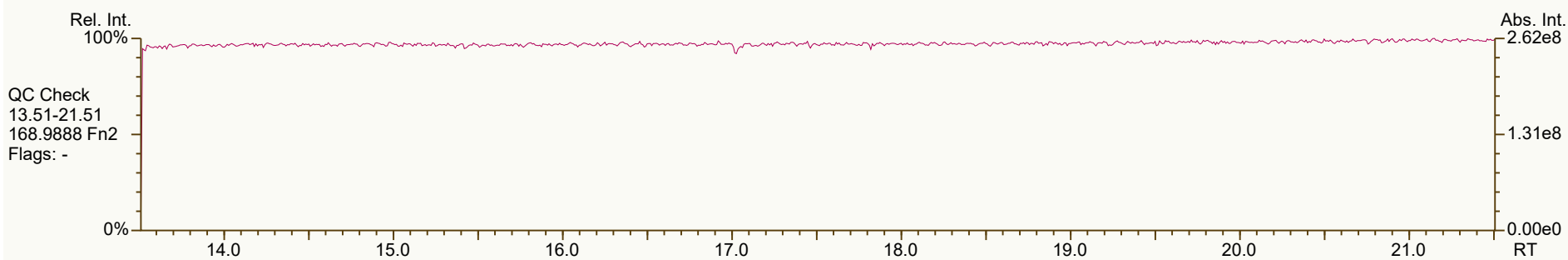
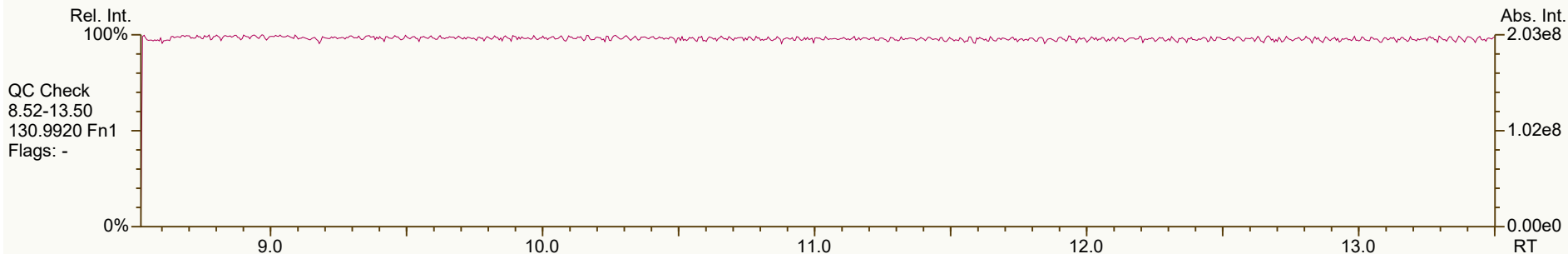
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\SB_240930_PAH_VB.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3287, 7898, 1794, 9673, 2612 scc: 161-923

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 9 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



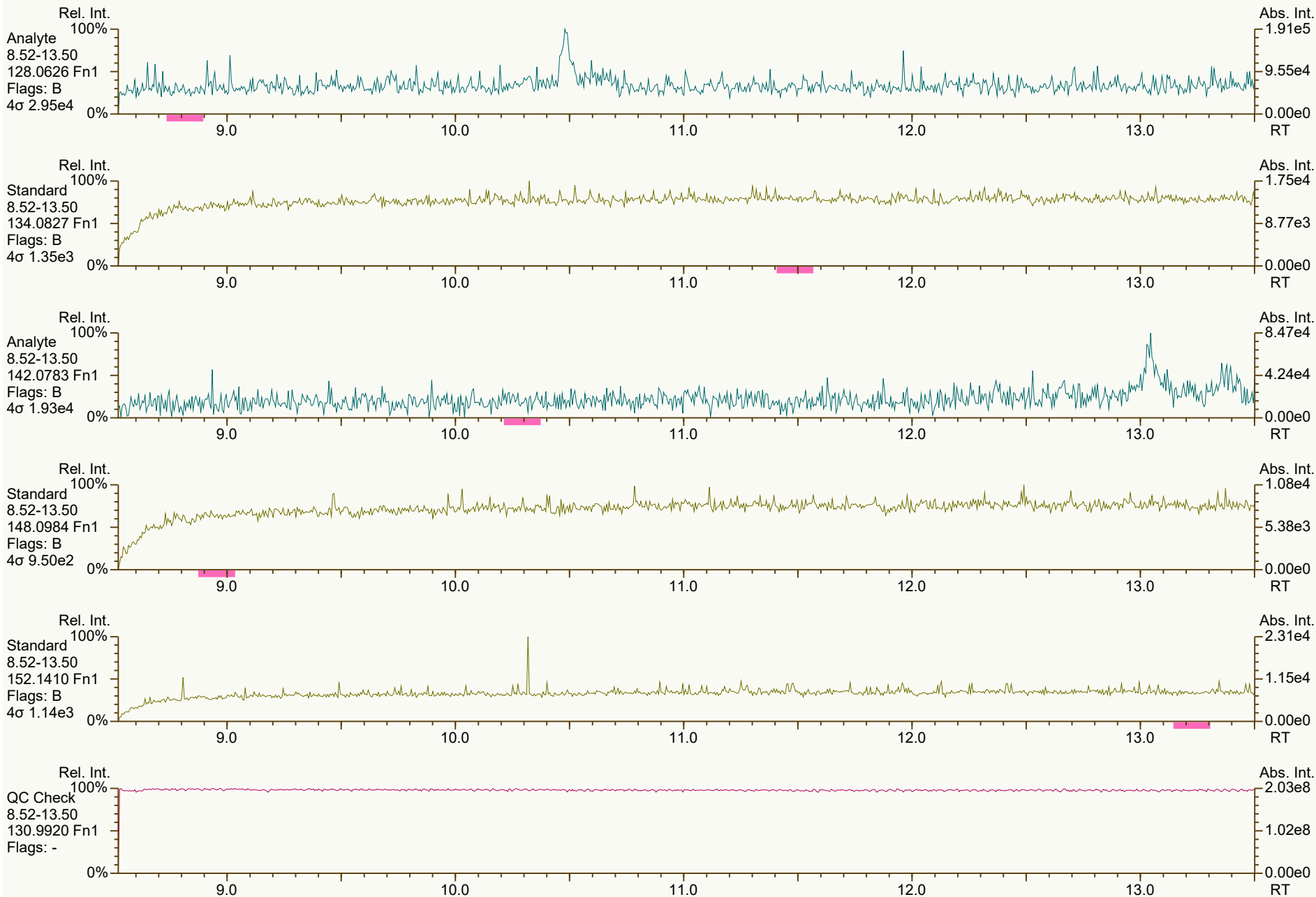
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 165-655

Peak annotation: Areas, Centroids
PKD: n/a Printed: 02-Oct-2024 11:12 Page 1 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0487, 2245, 6731, 2549, 0575 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 2 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



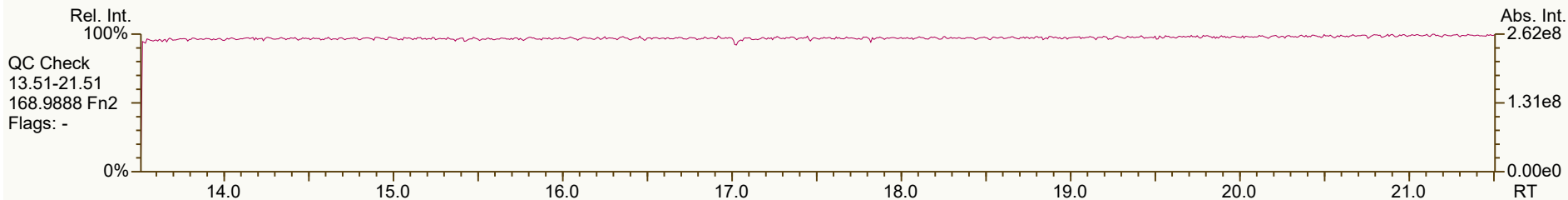
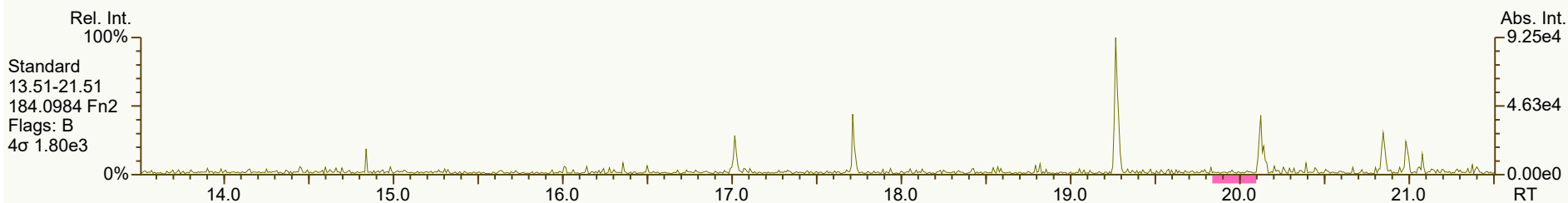
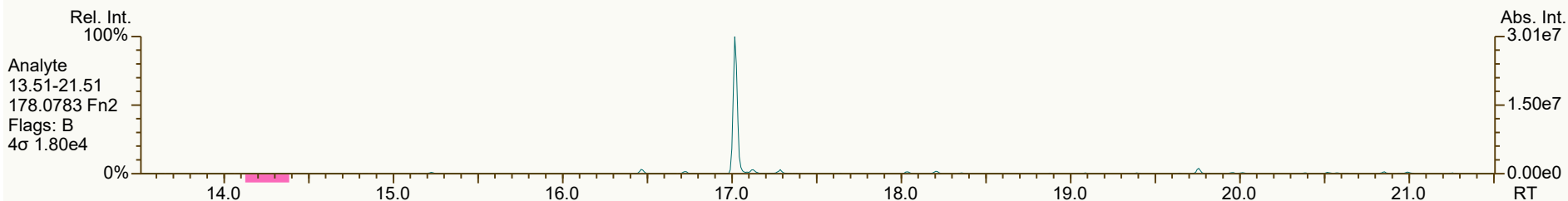
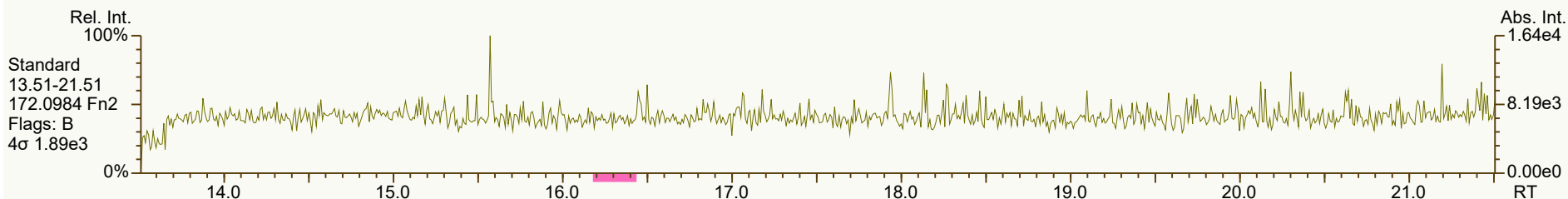
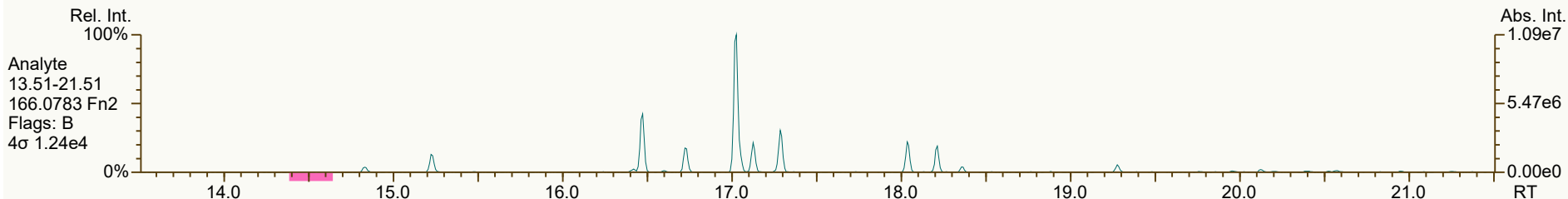
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6666, 5752, 2857, 8696, 2364 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 3 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



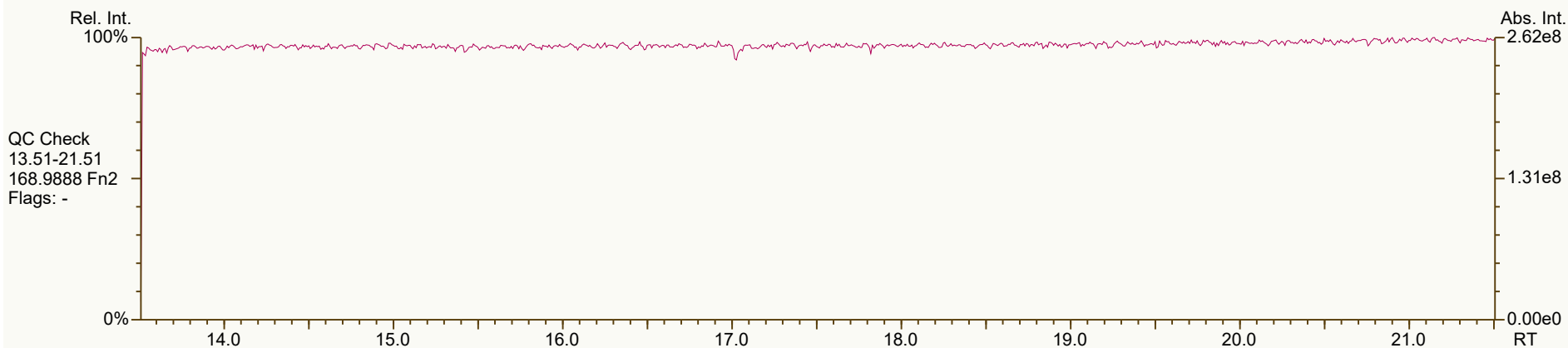
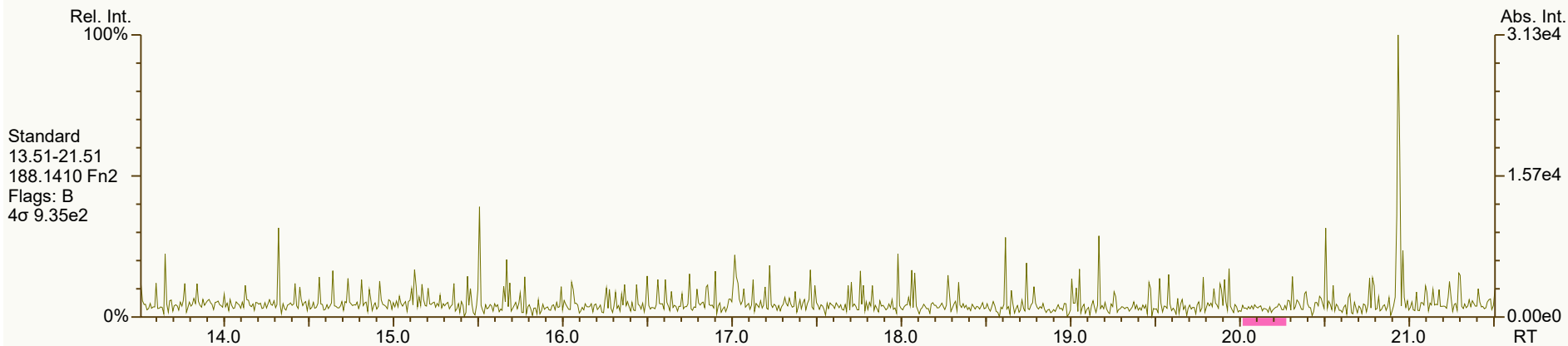
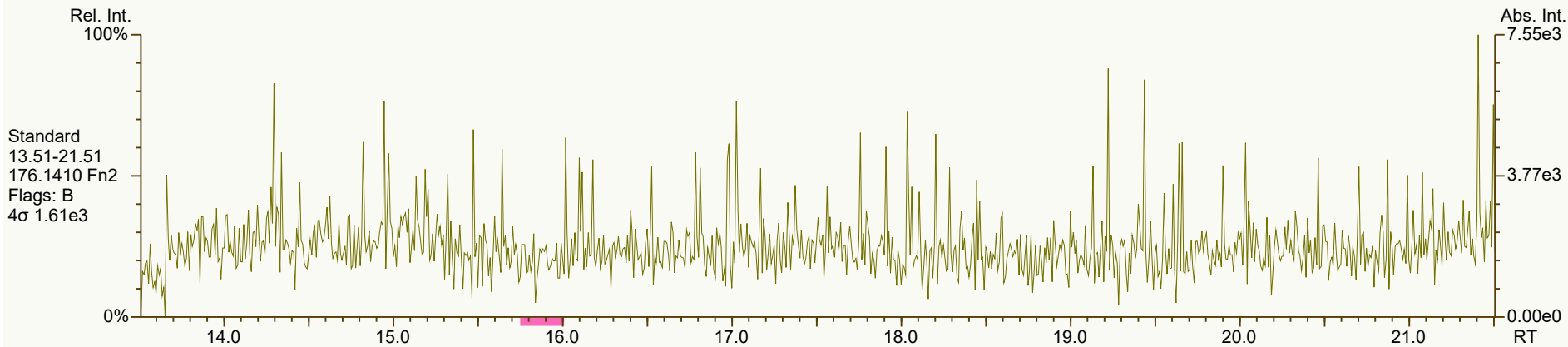
Results: P:\B9800_B9899\B9847\B9847_21458 PAHResources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3978, 5602, 9798, 8444 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 4 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



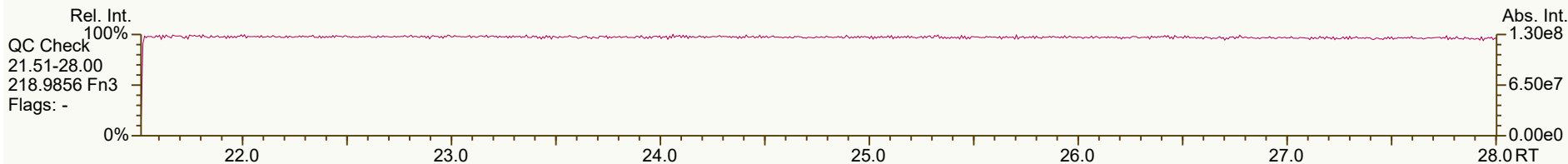
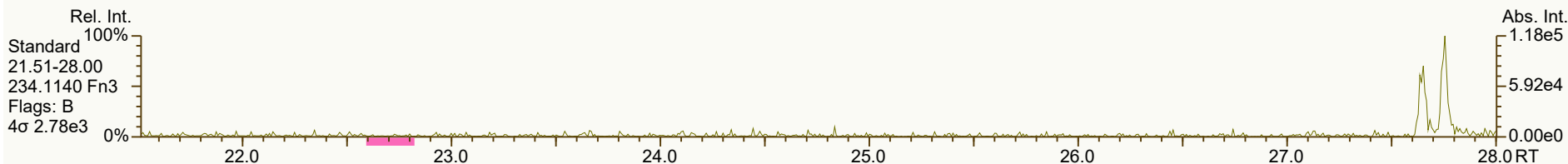
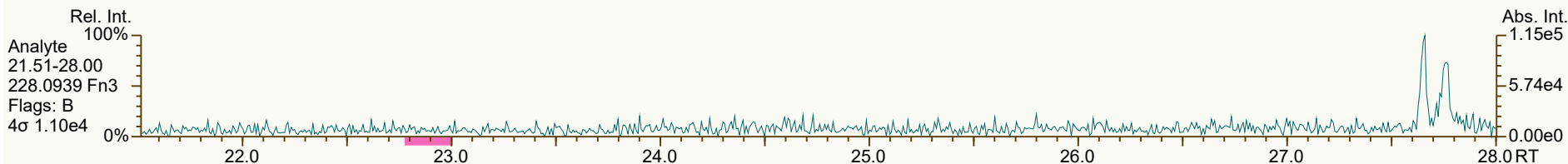
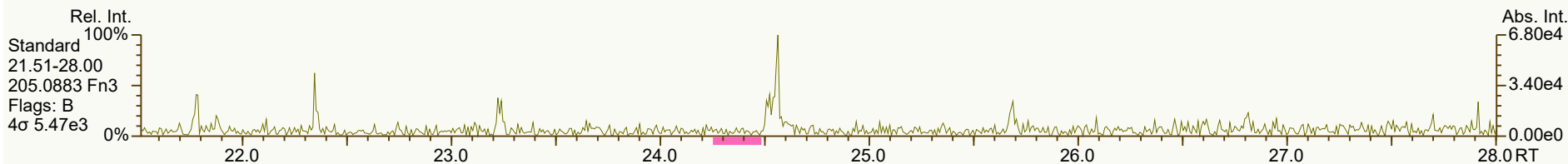
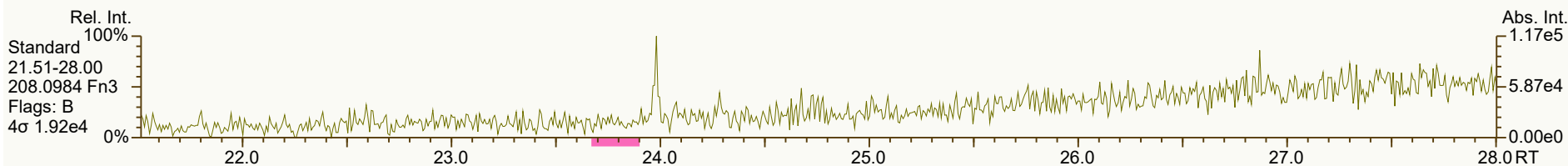
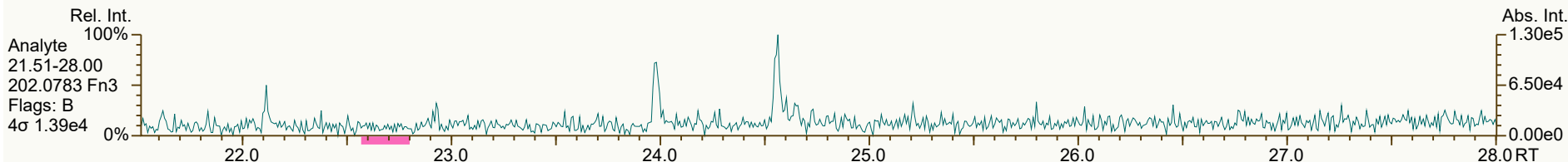
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2812, 0333 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 5 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



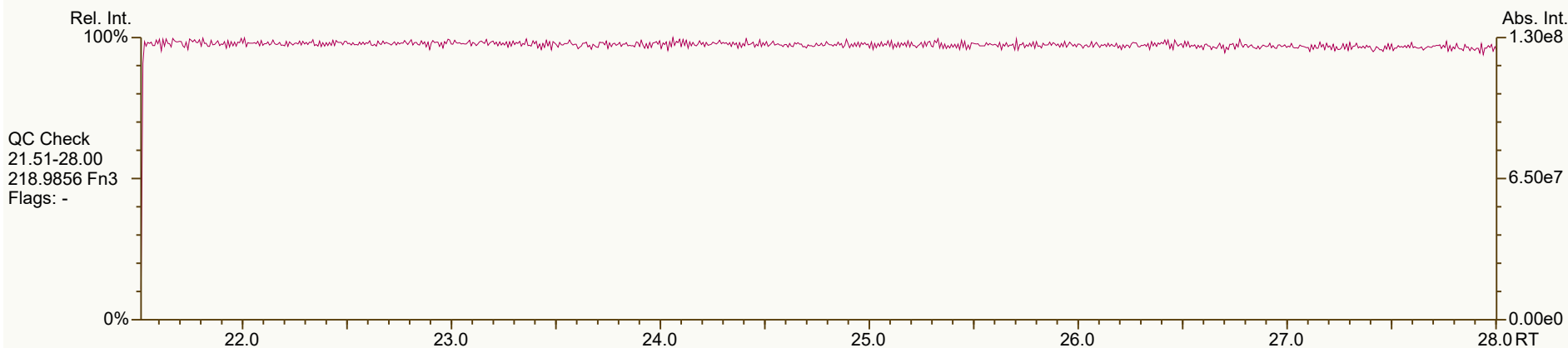
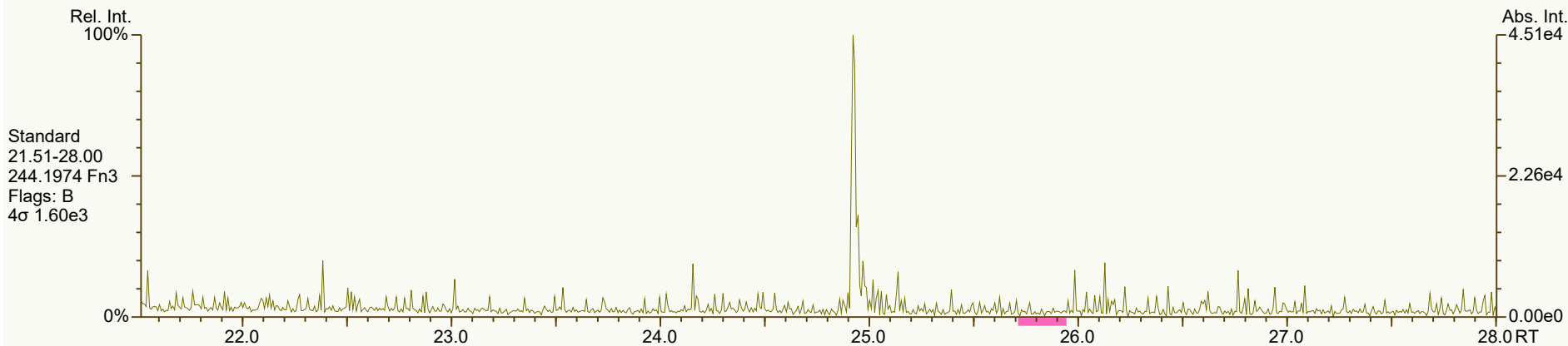
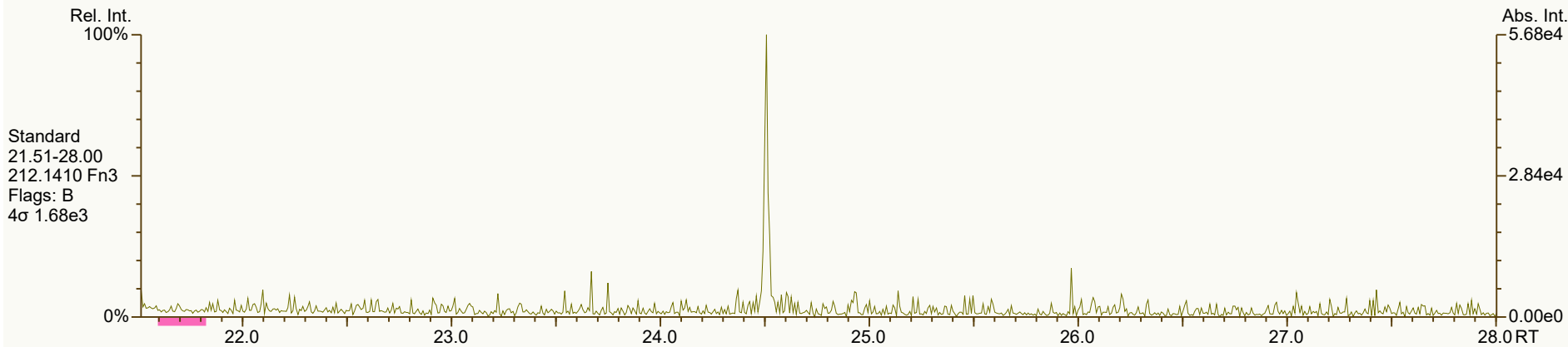
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2294, 2697, 8363, 1001, 3992 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 6 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



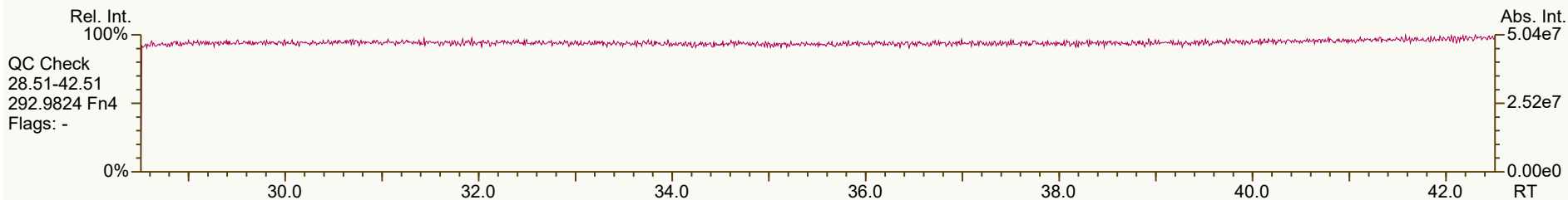
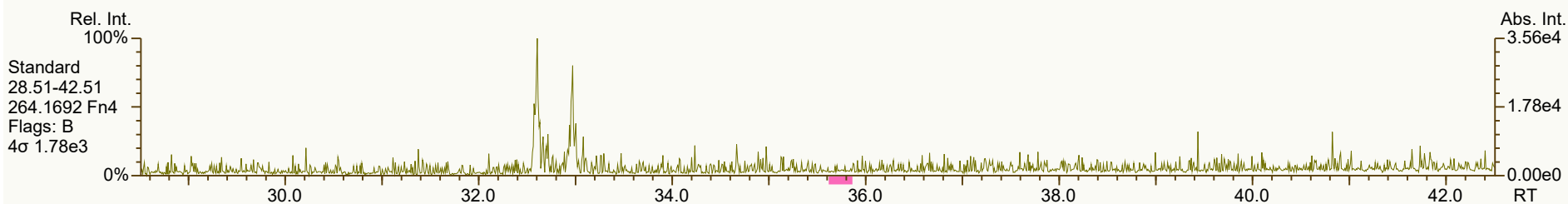
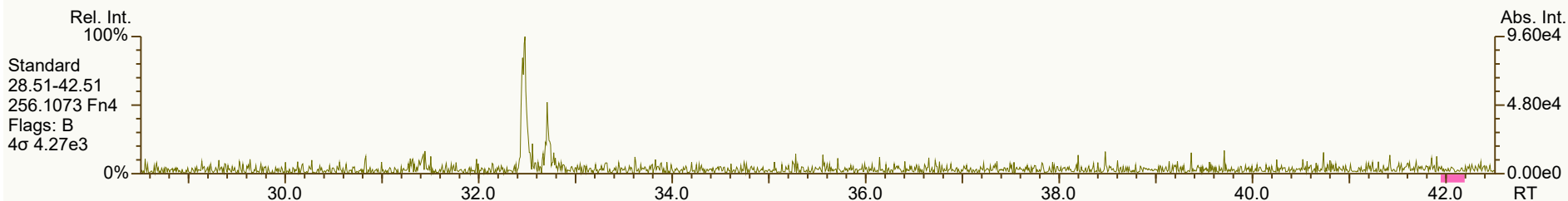
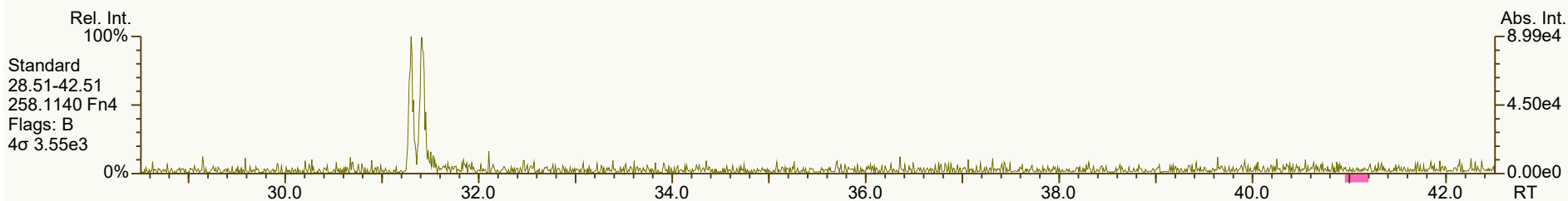
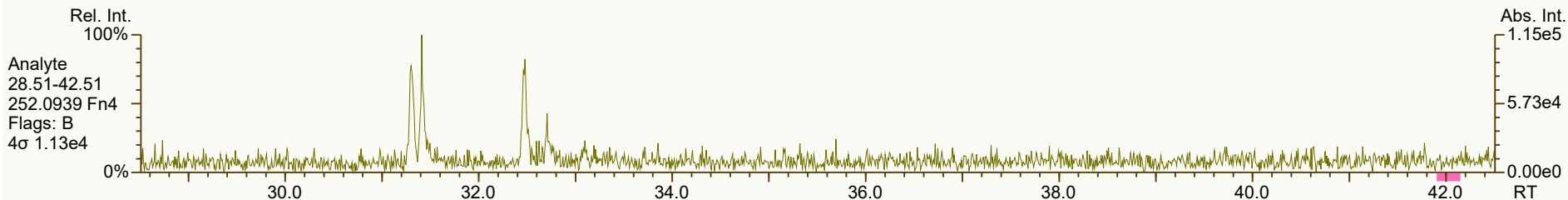
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8193, 2344 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 7 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



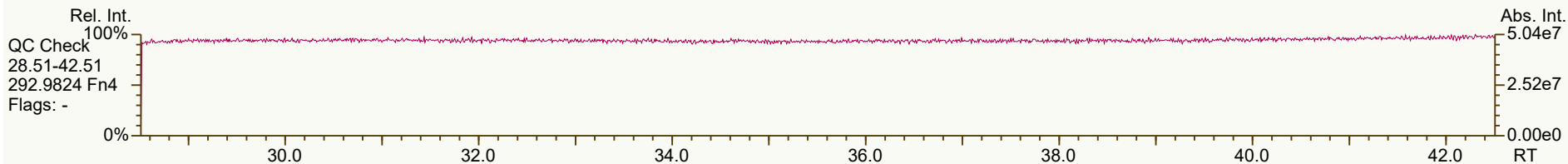
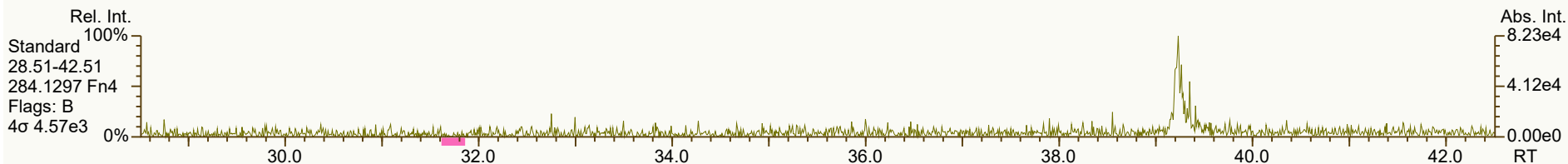
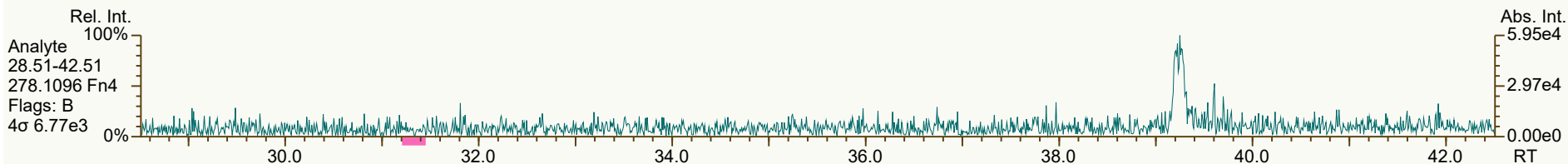
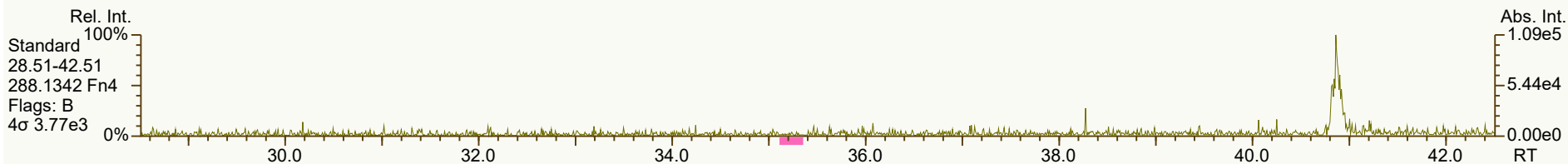
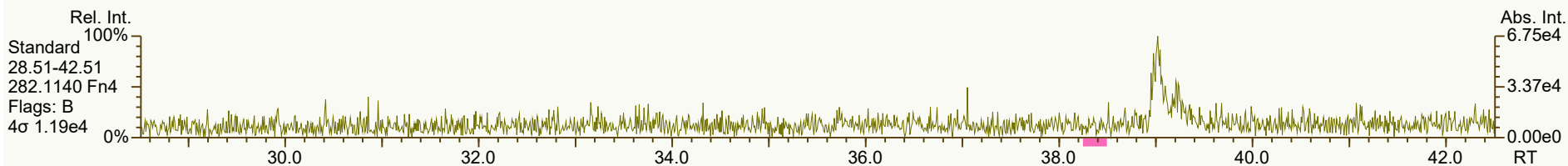
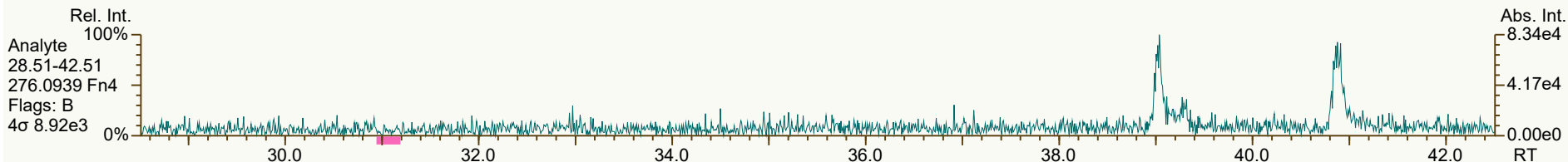
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1356, 6698, 5323, 3270 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 8 of 9

SGS ID: SB_240930_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 01-Oct-2024 05:34:56
User: DTF Datafile: 240930V20



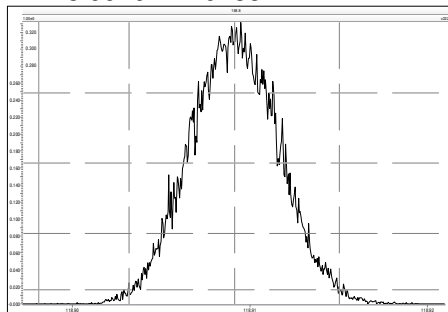
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\SB_240930_PAH_VC.utp_res, saved 01-Oct-2024 16:31 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7090, 4248, 8063, 0555, 4563 scc: 165-655

Peak annotation: Areas, Centroids
PKD: 01-Oct-2024 16:31 Printed: 02-Oct-2024 11:12 Page 9 of 9

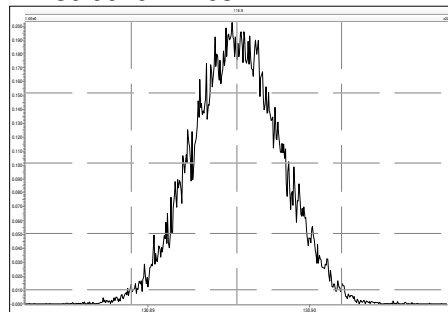
File: Experiment: pah.exp Reference: pah.ref Function: 1 @ 200 (ppm)

Printed: Monday, September 30, 2024 13:44:06 Eastern Daylight Time

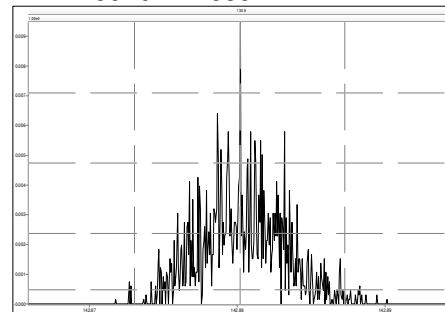
M 118.9920 R 10288



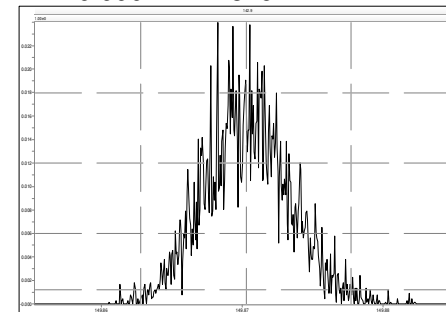
M 130.9920 R 10371



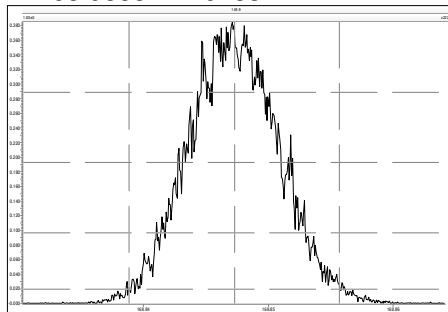
M 142.9920 R 26592



M 149.9904 R 14876



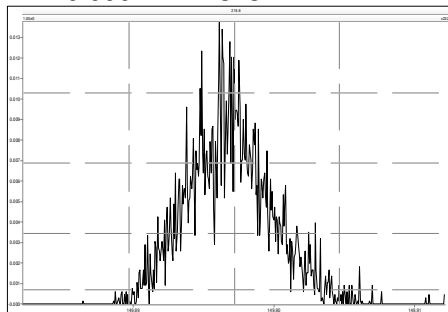
M 168.9888 R 10283



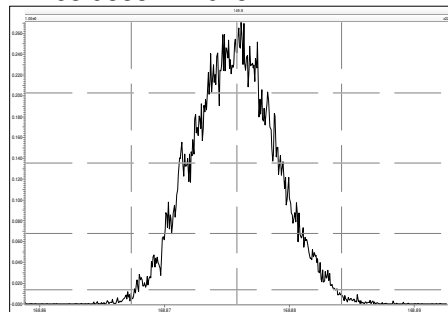
File: Experiment: pah.exp Reference: pah.ref Function: 2 @ 200 (ppm)

Printed: Monday, September 30, 2024 13:44:22 Eastern Daylight Time

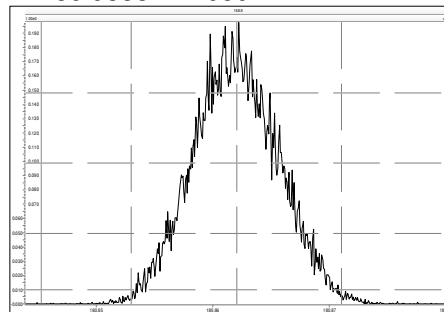
M 149.9904 R 12313



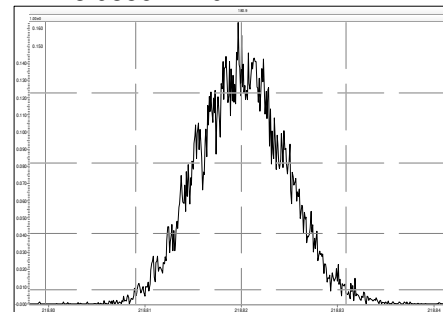
M 168.9888 R 10457



M 180.9888 R 10502



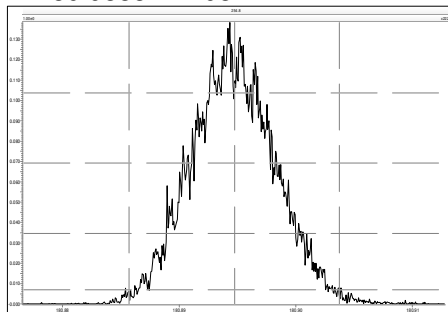
M 218.9856 R 10772



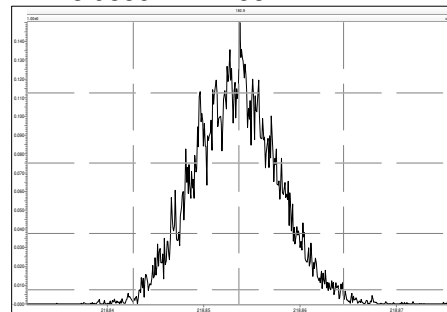
File: Experiment: pah.exp Reference: pah.ref Function: 3 @ 200 (ppm)

Printed: Monday, September 30, 2024 13:44:38 Eastern Daylight Time

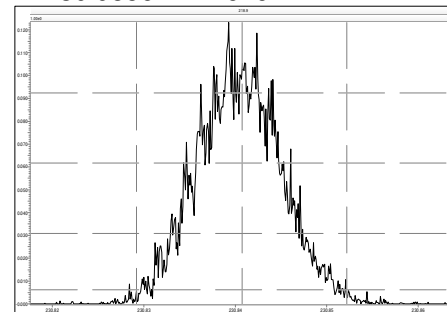
M 180.9888 R 10822



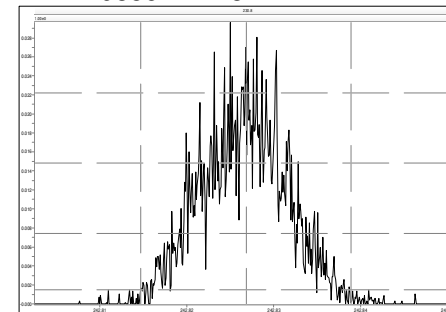
M 218.9856 R 11158



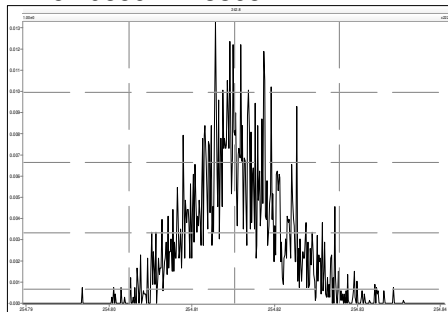
M 230.9856 R 11626



M 242.9856 R 11847



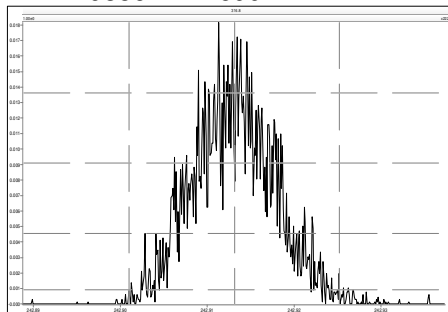
M 254.9856 R 13368



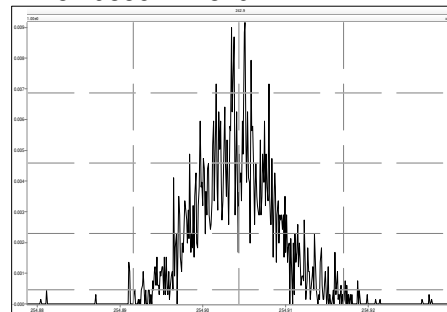
File: Experiment: pah.exp Reference: pah.ref Function: 4 @ 200 (ppm)

Printed: Monday, September 30, 2024 13:44:54 Eastern Daylight Time

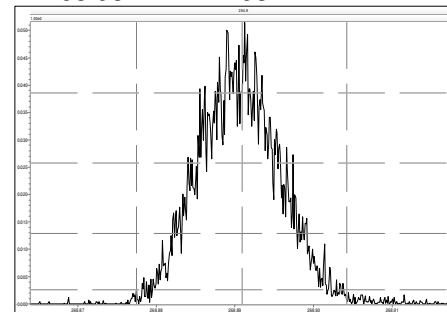
M 242.9856 R 12690



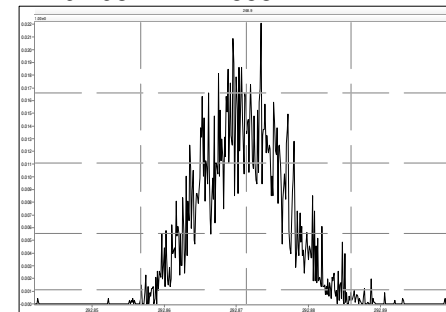
M 254.9856 R 18797



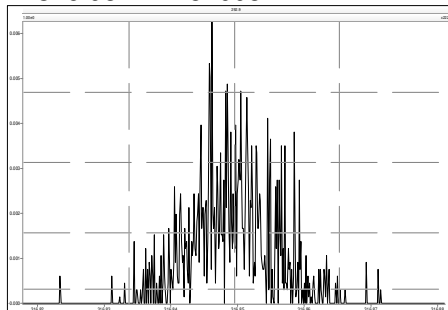
M 268.9824 R 11793



M 292.9824 R 12558

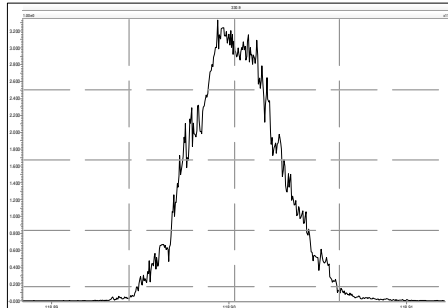


M 316.9824 R 51008

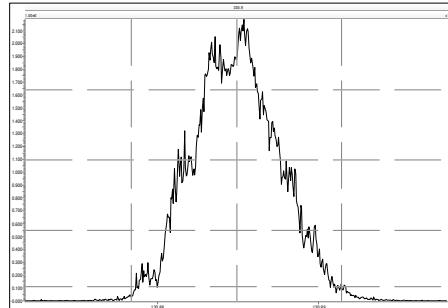


Printed: Tuesday, October 01, 2024 04:51:08 Eastern Daylight Time

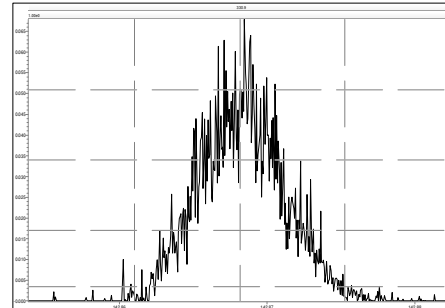
M 118.9920 R 10660



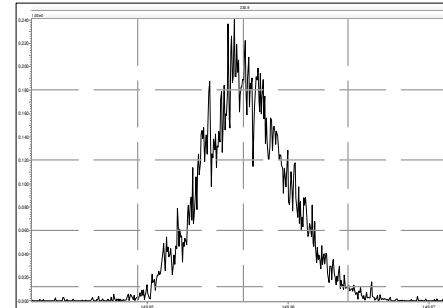
M 130.9920 R 10871



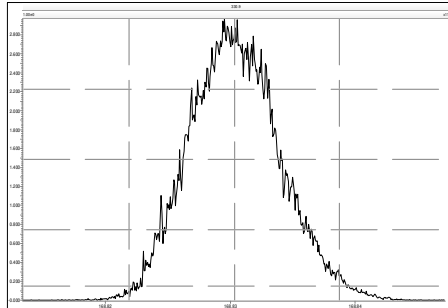
M 142.9920 R 11605



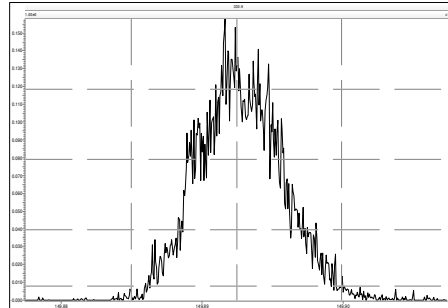
M 149.9904 R 10893



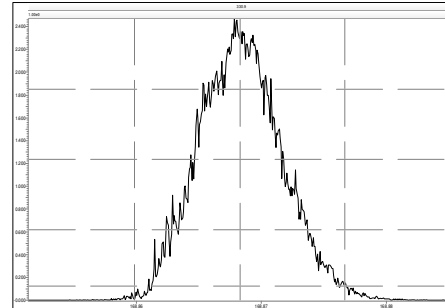
M 168.9888 R 10040



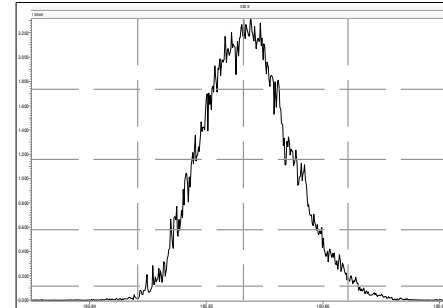
M 149.9904 R 10868



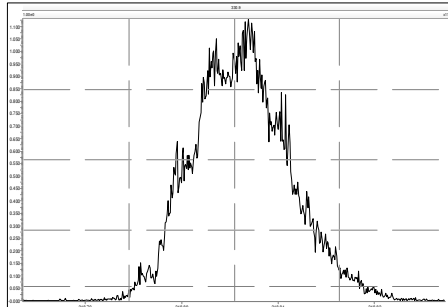
M 168.9888 R 10775



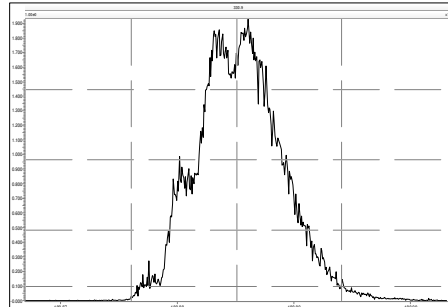
M 180.9888 R 10082



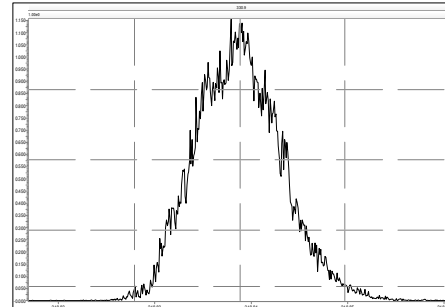
M 218.9856 R 9330



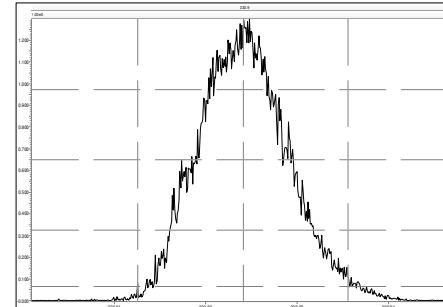
M 180.9888 R 10707



M 218.9856 R 10539

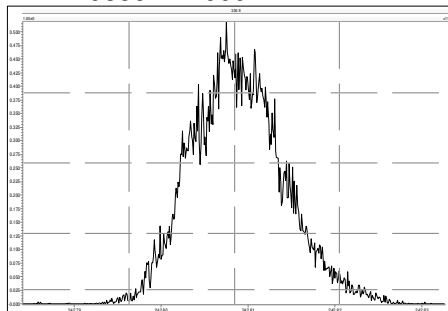


M 230.9856 R 10129

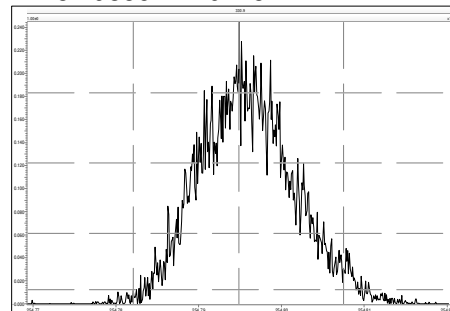


Printed: Tuesday, October 01, 2024 04:51:08 Eastern Daylight Time

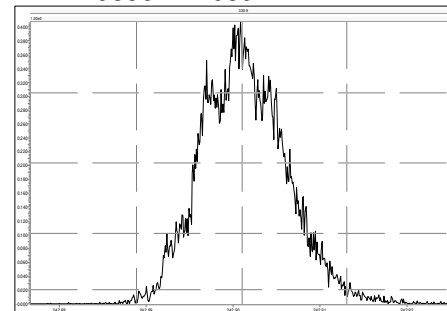
M 242.9856 R 10001



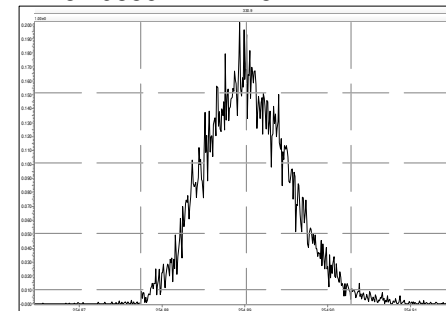
M 254.9856 R 10445



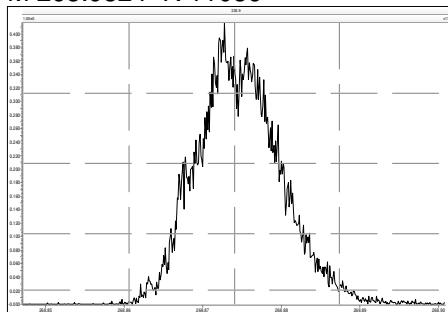
M 242.9856 R 10897



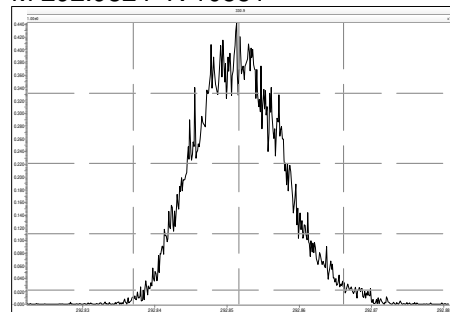
M 254.9856 R 11245



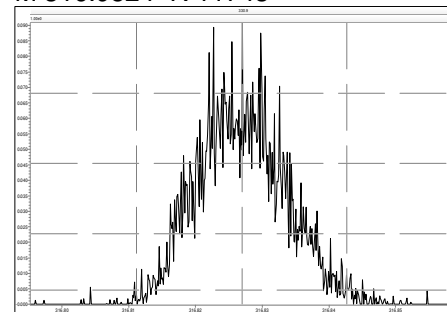
M 268.9824 R 11086



M 292.9824 R 10551

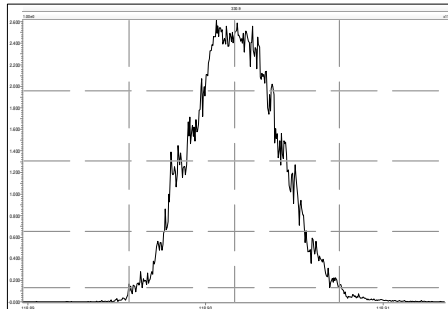


M 316.9824 R 11743

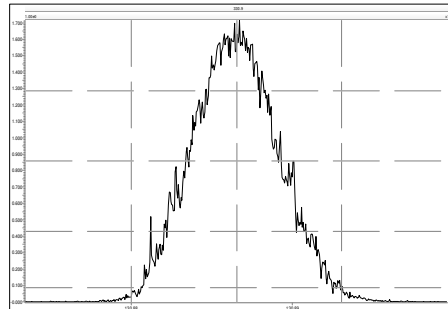


Printed: Tuesday, October 01, 2024 13:26:01 Eastern Daylight Time

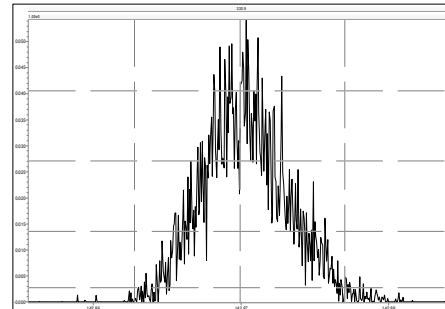
M 118.9920 R 10602



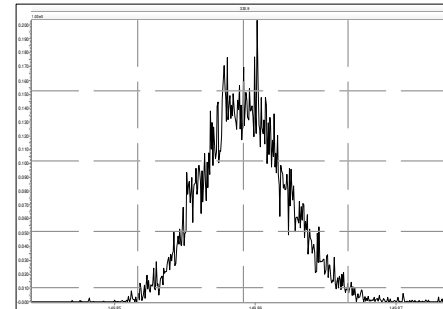
M 130.9920 R 10780



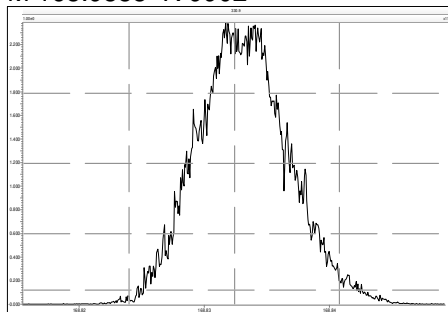
M 142.9920 R 13703



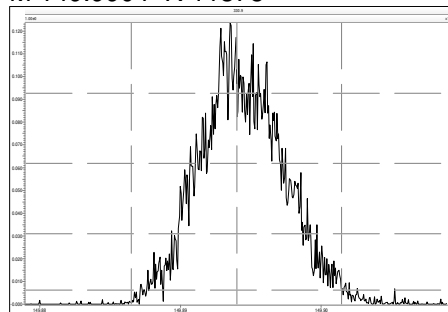
M 149.9904 R 11323



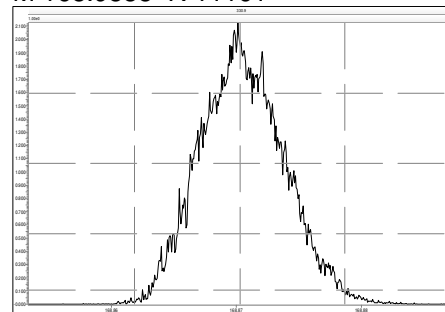
M 168.9888 R 9902



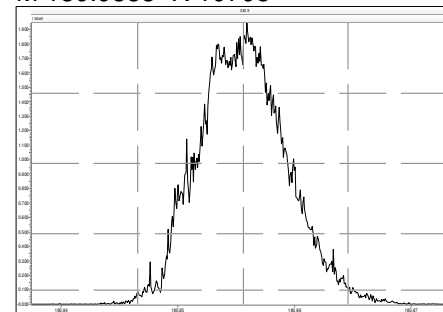
M 149.9904 R 11378



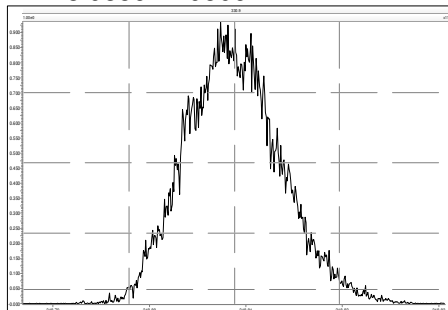
M 168.9888 R 11161



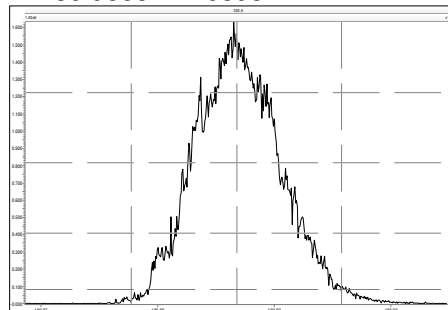
M 180.9888 R 10795



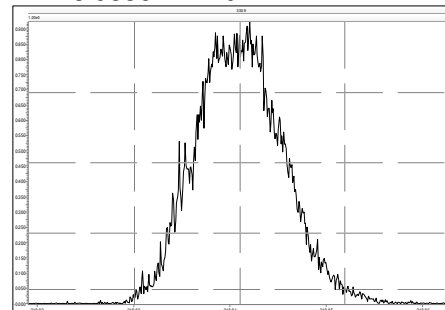
M 218.9856 R 9506



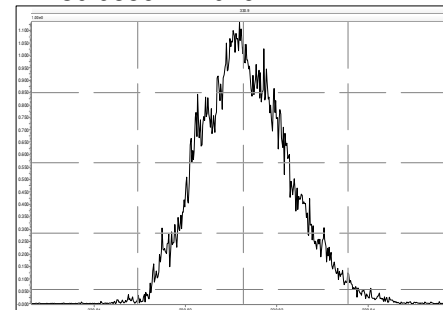
M 180.9888 R 10893



M 218.9856 R 11014

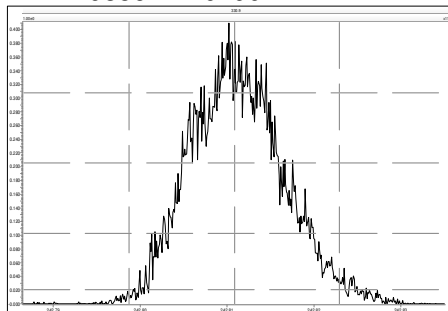


M 230.9856 R 10164

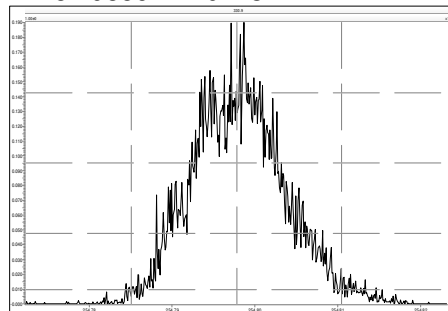


Printed: Tuesday, October 01, 2024 13:26:01 Eastern Daylight Time

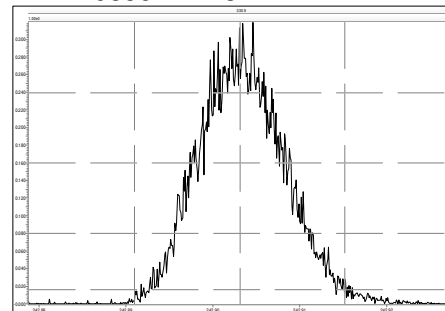
M 242.9856 R 10190



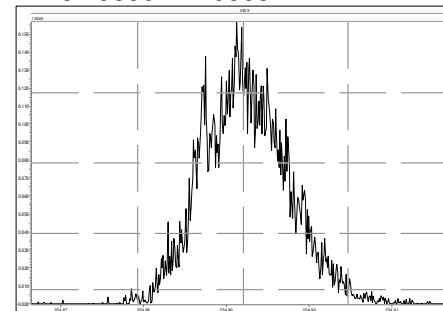
M 254.9856 R 10173



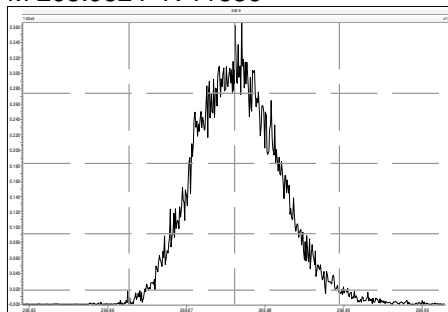
M 242.9856 R 11312



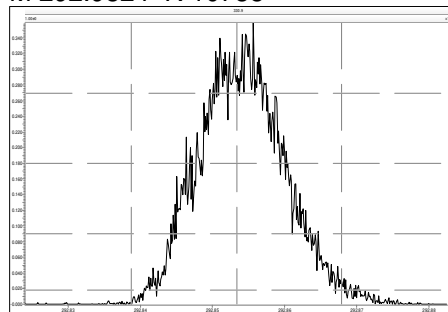
M 254.9856 R 10563



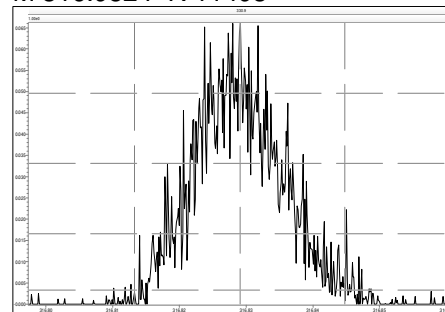
M 268.9824 R 11536



M 292.9824 R 10788



M 316.9824 R 11493



Instrument: MM6 (AutoSpec-Premier)				MS Experiment: pah		GC Program: pah			
#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
<div>REVIEWED Tamara Burkamper , 10/21/2024, 12:21:51 PM</div>									
2	241018V02	5	CS3_241018_PAH_VA	1.00	27-80-3	DTF	285-690	18-Oct-2024	10:01:06
5	241018V05	4	SB_241018_PAH_VA	1.00	Isooctane	DTF	377-461	18-Oct-2024	12:46:23
6	241018V06	43	MB1_21458-AR1_PAH_SDS	1.00	Method Blank	DTF	158-571	18-Oct-2024	13:33:00
7	241018V08	44	B9847_21458_PAH_008-AR1	1.00	Field Blank	DTF	191-657	18-Oct-2024	15:06:16
8	241018V10	4	SB_241018_PAH_VB	1.00	Isooctane	DTF	458-078	18-Oct-2024	16:50:28

BCS3_21458 did not meet criteria; sample and method blank quantitated against ICAL/CS3
TB 10/21/2024

REVIEWED
Tyler_Fritz , 10/21/2024, 11:47:31 AM

HR-PAH QC Summary

SGS North America

Printed: 21-Oct-24 11:39

Lab ID: CS3_241018_PAH_VA
Acquired: 18 Oct 2024 10:01:06
Datafile: 241018V02

MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	10.45	6.39E+07	-	0.99	0.94	-5.0%
2-Methylnaphthalene	13.02	5.13E+07	-	1.01	0.95	-6.2%
Acenaphthylene	15.97	4.35E+07	-	0.92	1.00	8.1%
Acenaphthene	16.53	3.21E+07	-	1.01	1.07	5.1%
Fluorene	18.12	3.77E+07	-	1.02	0.96	-5.6%
Phenanthrene	20.84	6.30E+07	-	1.00	0.89	-10.5%
Anthracene	20.98	5.77E+07	-	1.23	1.15	-7.0%
Fluoranthene	23.98	4.77E+07	-	0.92	0.90	-2.0%
Pyrene	24.55	5.46E+07	-	0.98	0.92	-6.6%
Benzo(a)Anthracene	27.65	3.79E+07	-	1.00	0.99	-1.0%
Chrysene	27.75	4.98E+07	-	1.01	0.99	-1.7%
Benzo(b)Fluoranthene	31.29	2.26E+07	-	0.98	0.94	-3.8%
Benzo(k)Fluoranthene	31.40	2.66E+07	-	0.92	0.90	-1.8%
Benzo(e)Pyrene	32.45	2.47E+07	-	0.98	0.96	-1.9%
Benzo(a)Pyrene	32.69	1.75E+07	-	0.98	0.99	0.6%
Perylene	33.06	2.01E+07	-	1.06	1.12	6.1%
Indeno(1,2,3-cd)Pyrene	38.99	1.22E+07	-	0.92	0.96	5.2%
Dibenzo(a,h)Anthracene	39.21	1.34E+07	-	0.94	0.99	5.9%
Benzo(ghi)Perylene	40.83	1.44E+07	-	0.97	0.73	-25.0%

HR-PAH QC Summary

SGS North America

Printed: 21-Oct-24 11:39

Lab ID: CS3_241018_PAH_VA
Acquired: 18 Oct 2024 10:01:06
Datafile: 241018V02

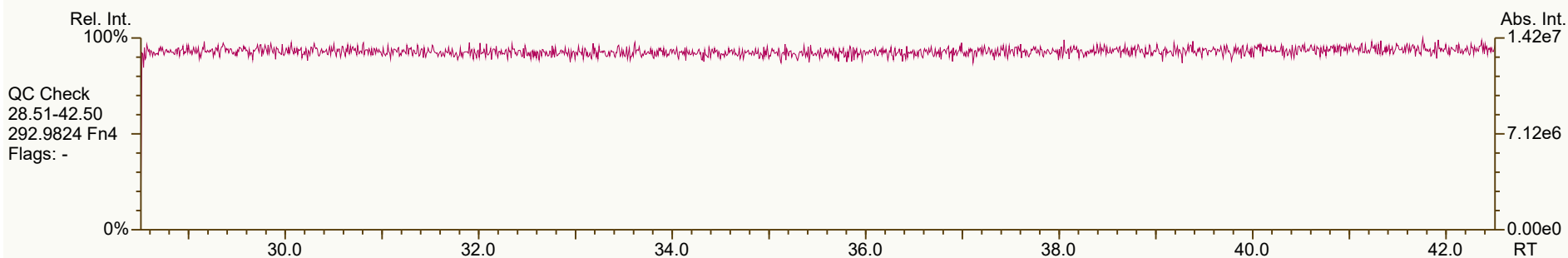
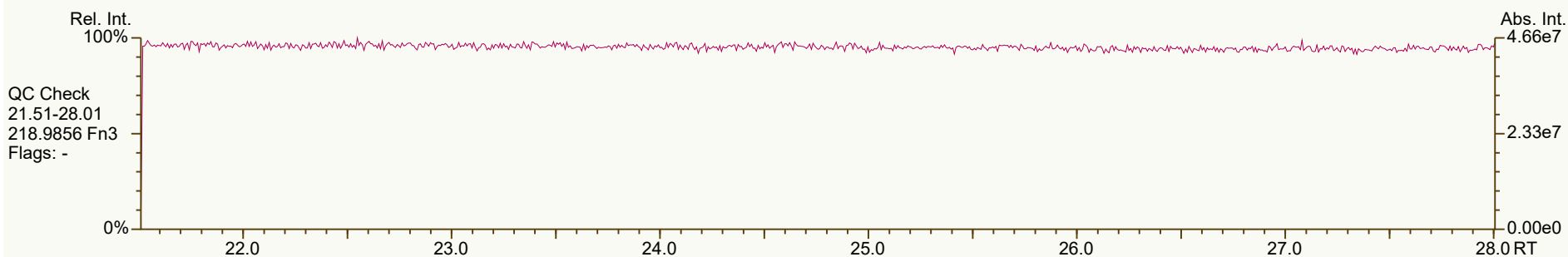
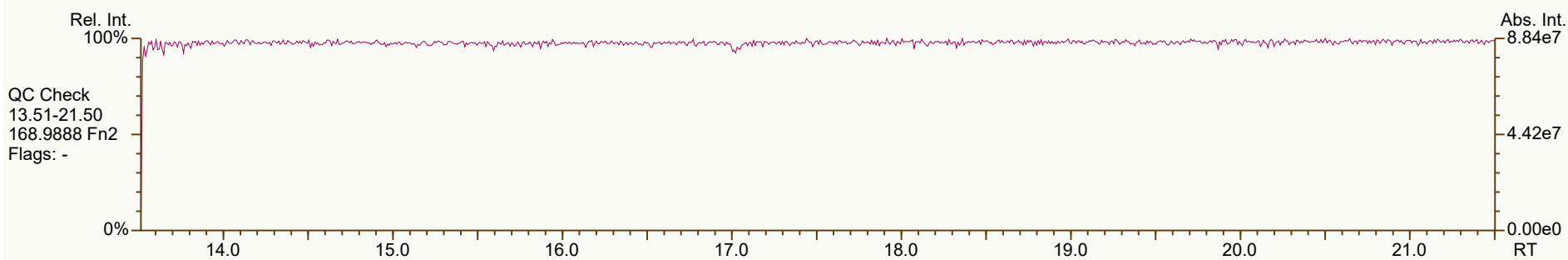
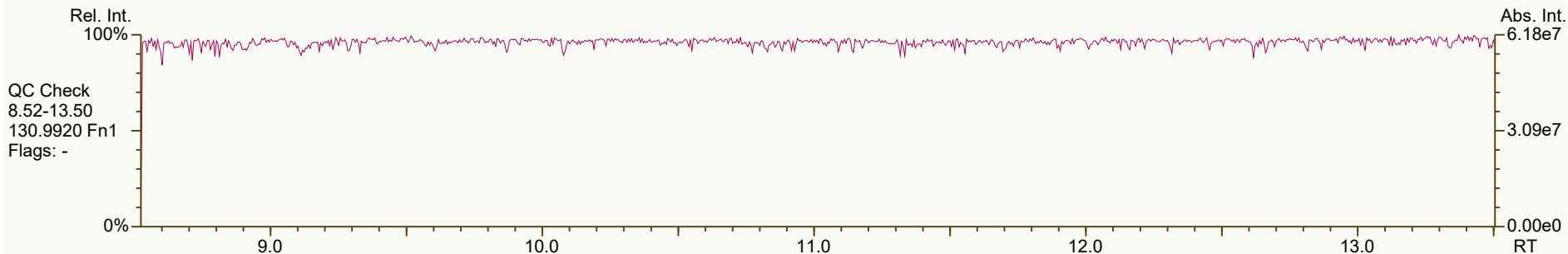
MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	10.45	6.79E+07	-	1.35	1.32	-2.3%
13C6-2-Methylnaphthalene	13.01	5.42E+07	-	0.99	1.05	6.2%
13C6-Acenaphthylene	15.97	4.36E+07	-	1.37	1.48	8.1%
13C6-Acenaphthene	16.52	3.01E+07	-	0.91	1.02	12.1%
13C6-Fluorene	18.11	3.93E+07	-	1.09	1.33	21.7%
13C6-Phenanthrene	20.84	7.06E+07	-	1.91	2.39	25.2%
13C6-Anthracene	20.98	5.03E+07	-	1.35	1.70	26.6%
13C6-Fluoranthene	23.97	5.31E+07	-	1.23	1.23	0.5%
13C3-Pyrene	24.55	5.96E+07	-	1.23	1.38	12.1%
13C6-Benzo(a)Anthracene	27.65	3.82E+07	-	0.86	0.89	2.5%
13C6-Chrysene	27.74	5.03E+07	-	1.19	1.17	-1.8%
13C6-Benzo(b)Fluoranthene	31.28	2.39E+07	-	1.28	1.70	32.8%
13C6-Benzo(k)Fluoranthene	31.39	2.95E+07	-	1.82	2.09	15.0%
13C4-Benzo(e)Pyrene	32.44	2.58E+07	-	1.56	1.83	17.1%
13C4-Benzo(a)Pyrene	32.68	1.77E+07	-	1.23	1.26	2.3%
d12-Perylene	32.95	1.79E+07	-	1.13	1.27	12.7%
13C6-Indeno(1,2,3-cd)Pyrene	38.99	1.27E+07	-	0.85	0.90	5.7%
13C6-Dibenzo(ah)Anthracene	39.20	1.35E+07	-	0.94	0.95	1.3%
13C12-Benzo(ghi)Perylene	40.83	1.98E+07	-	1.33	1.40	5.4%
AS--Anthracene	20.93	4.76E+07	-	1.17	1.61	37.6%
SS-Fluorene	18.03	3.94E+07	-	1.00	1.00	0.2%
SS-Terphenyl	24.93	4.85E+07	-	0.79	0.91	14.9%
JS-Methylnaphthalene	12.90	5.16E+07	-	-	-	-
JS-Acenaphthene	16.42	2.95E+07	-	-	-	-
JS-Pyrene	24.50	4.31E+07	-	-	-	-
JS-Benzo(a)Pyrene	32.58	1.41E+07	-	-	-	-

SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\CS3_241018_PAH_VA.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 285-690

Peak annotation: Areas, Centroids
PKD: n/a Printed: 21-Oct-2024 11:41 Page 1 of 9

SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\CS3_241018_PAH_VA.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8051, 1249, 2108, 8143, 2983 scc: 285-690

Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:07 (DTF) Printed: 21-Oct-2024 11:41 Page 2 of 9

SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



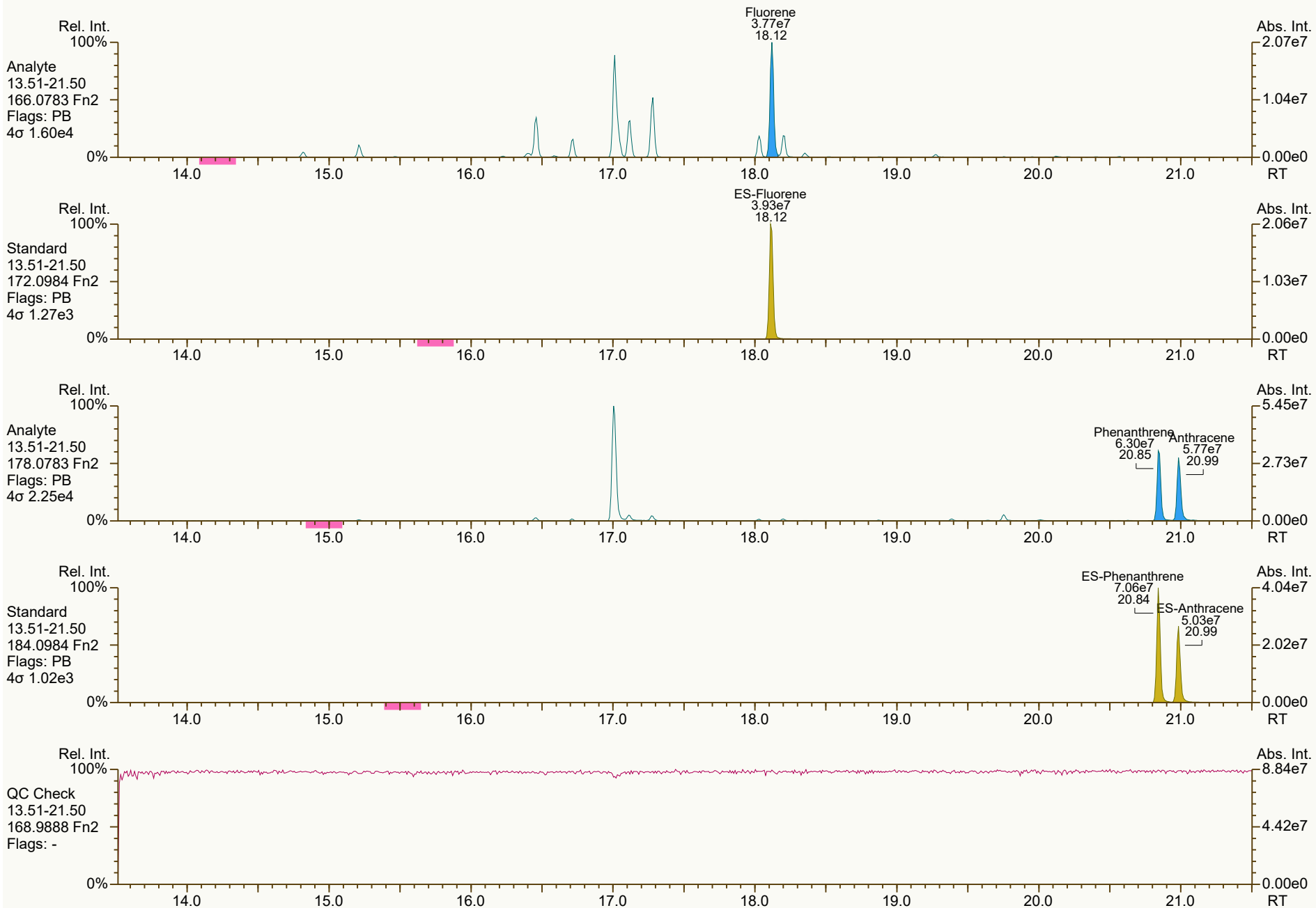
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\CS3_241018_PAH_VA.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1127, 6144, 3949, 1979, 0617 scc: 285-690

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 11:06 Printed: 21-Oct-2024 11:41 Page 3 of 9

SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



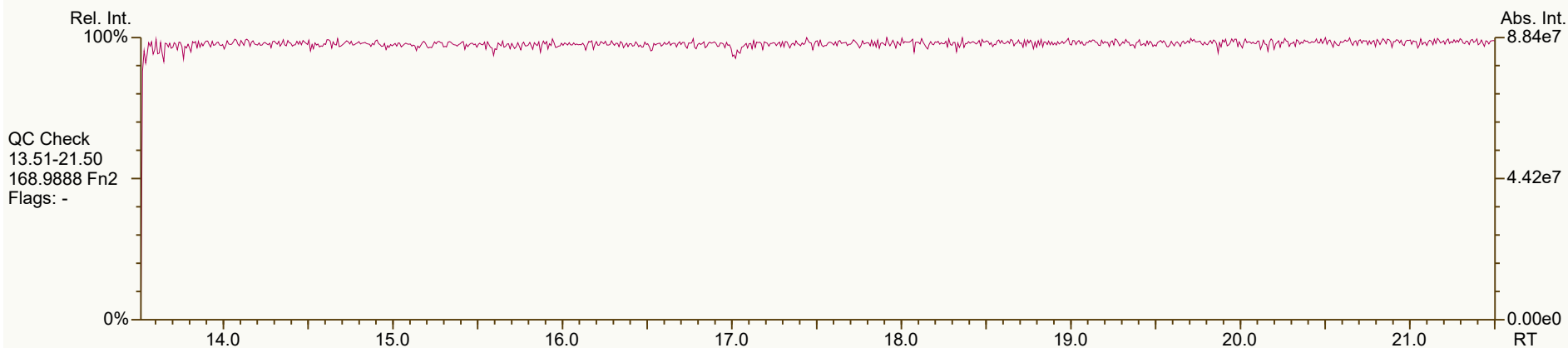
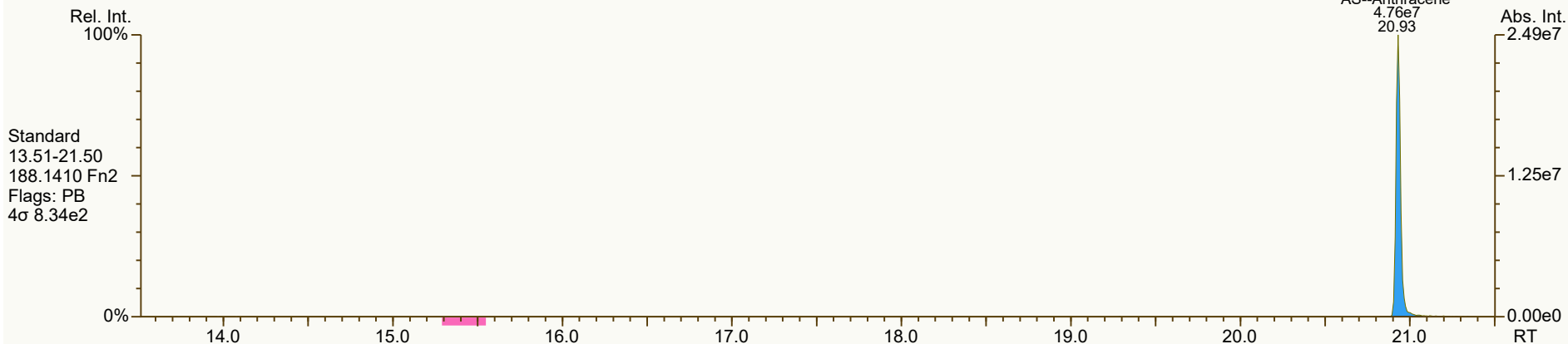
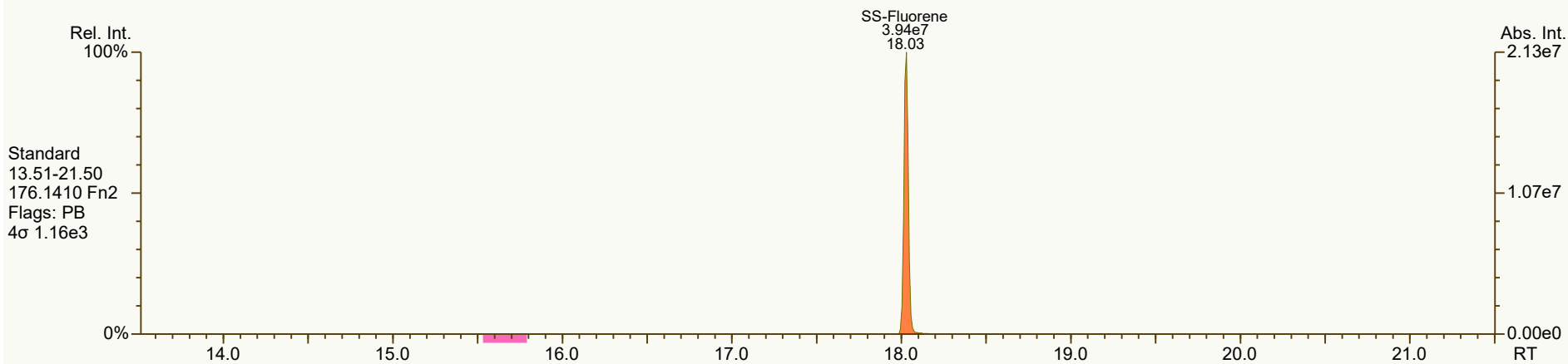
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\CS3_241018_PAH_VA.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1950, 1128, 5161, 8781 scc: 285-690

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 11:06 Printed: 21-Oct-2024 11:41 Page 4 of 9

SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

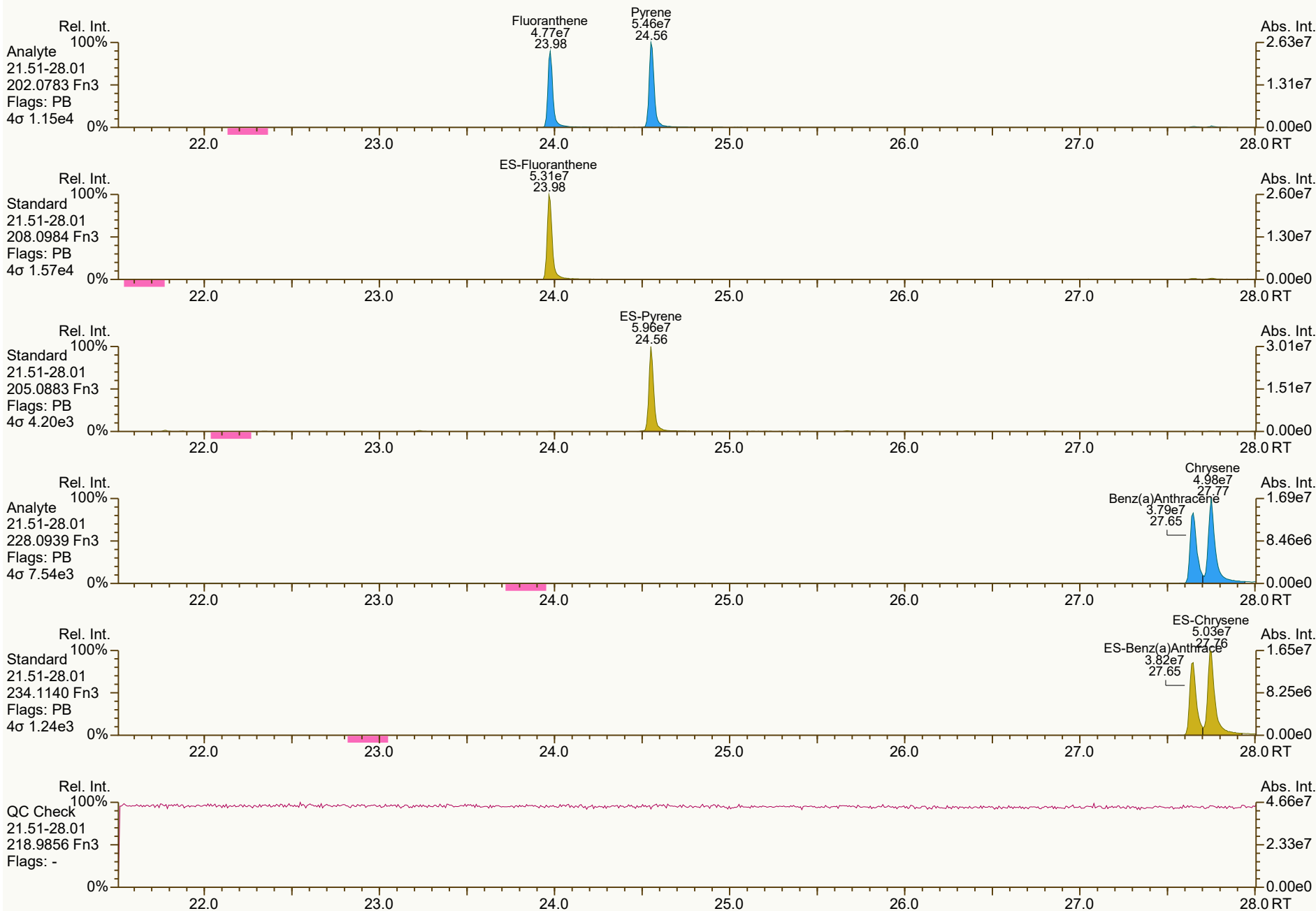
Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



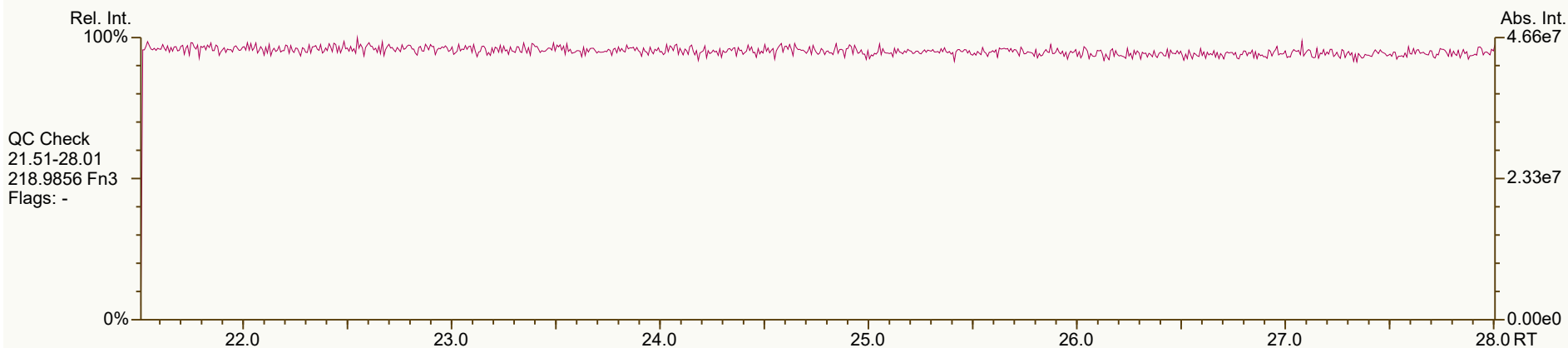
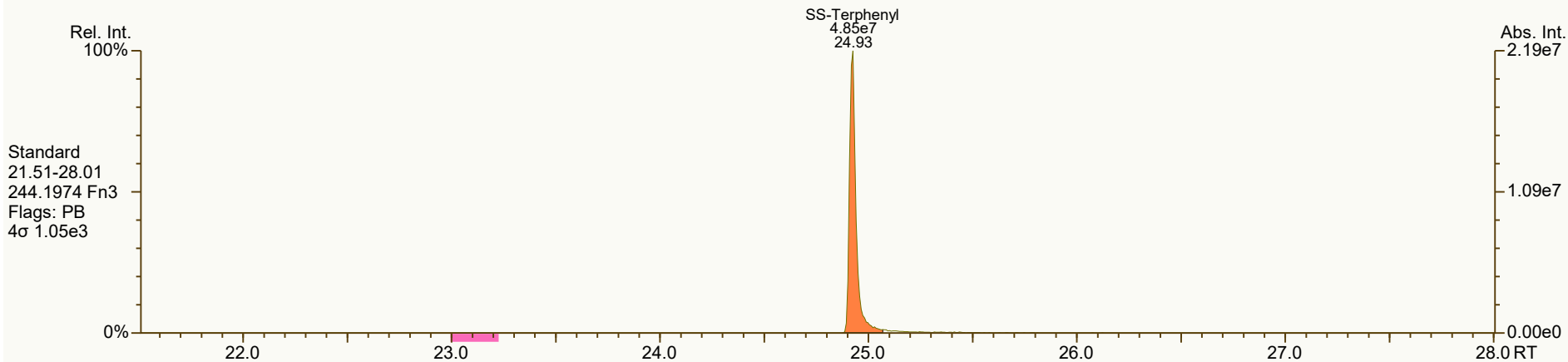
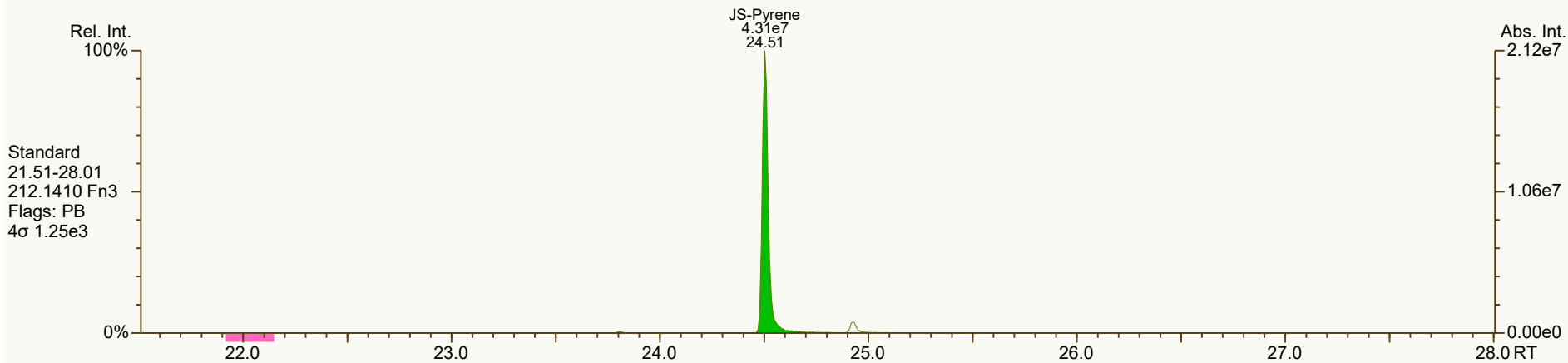
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\CS3_241018_PAH_VA.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8894, 2169, 2782, 2321, 5893 scc: 285-690

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 11:06 Printed: 21-Oct-2024 11:41 Page 6 of 9

SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

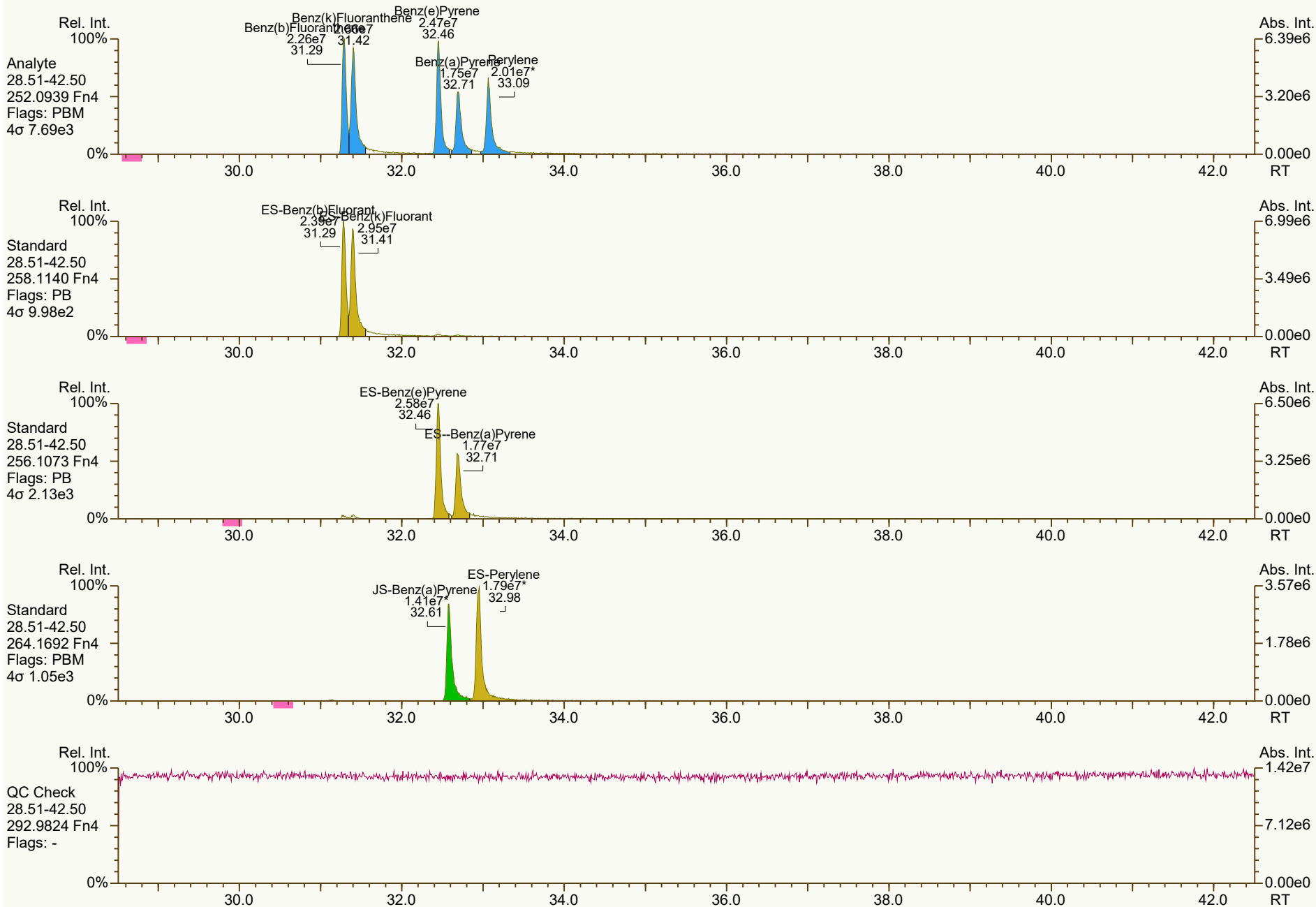
Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



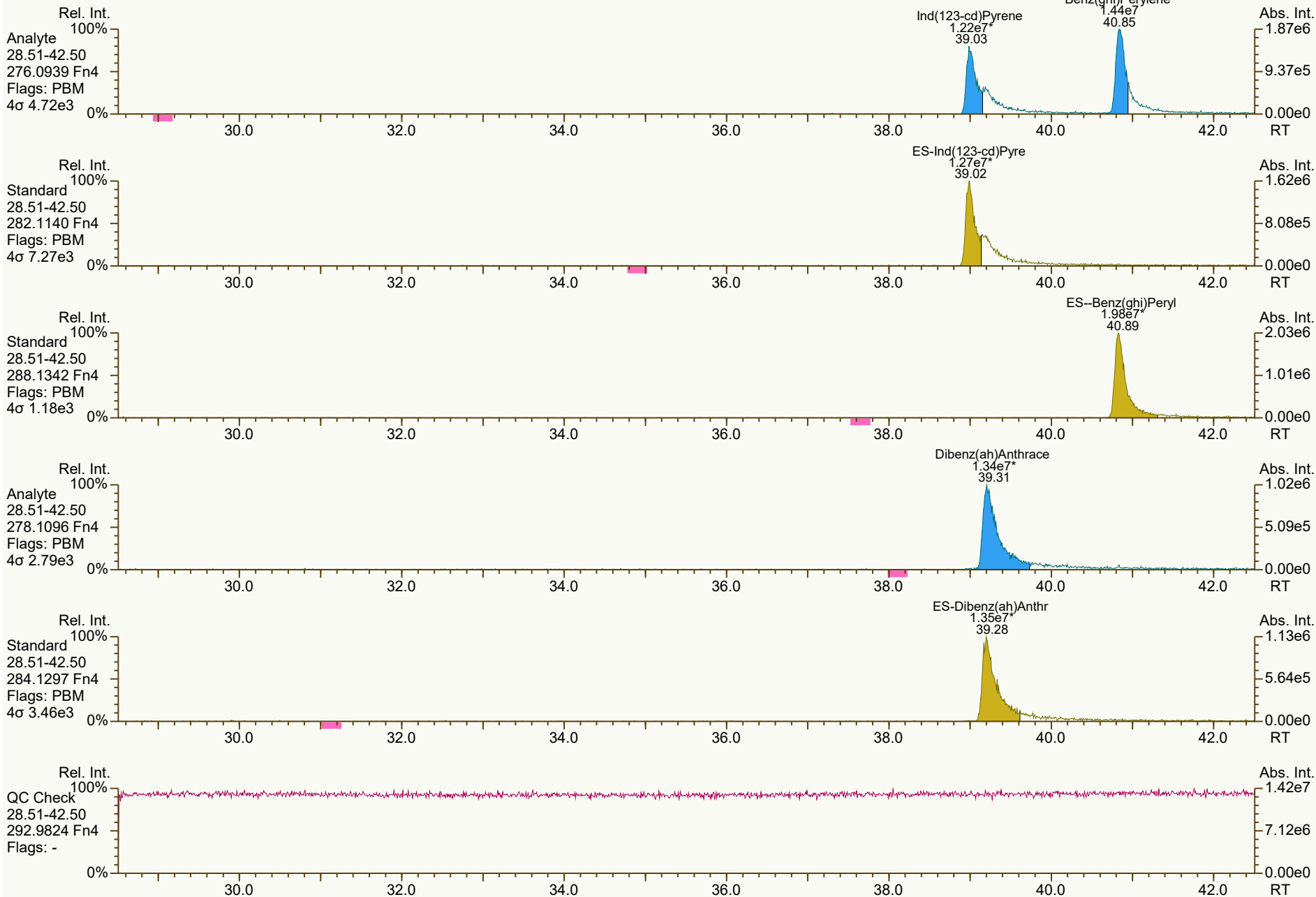
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\CS3_241018_PAH_VA.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3523, 3756, 1138, 6163 scc: 285-690

Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:07 (DTF) Printed: 21-Oct-2024 11:41 Page 8 of 9

SGS ID: CS3_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 18-Oct-2024 10:01:06
User: DTF Datafile: 241018V02



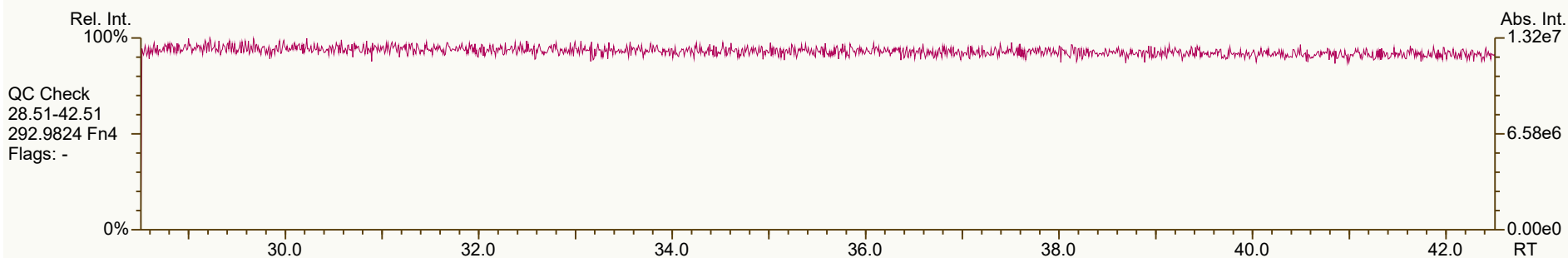
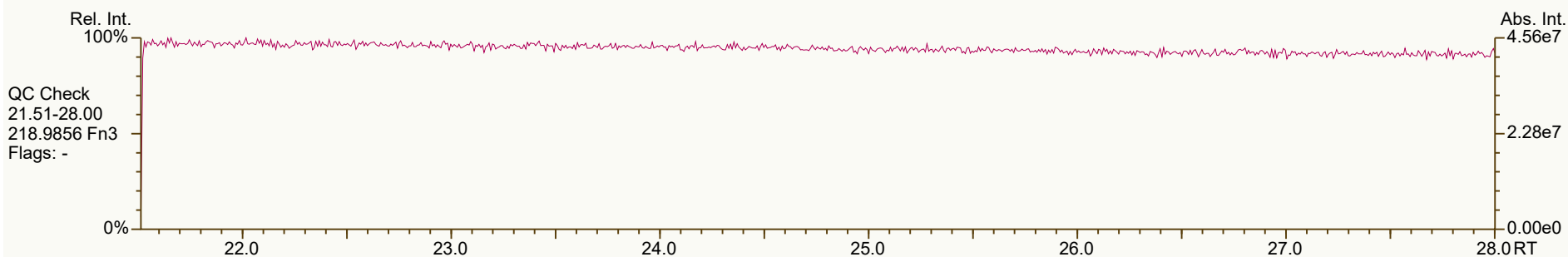
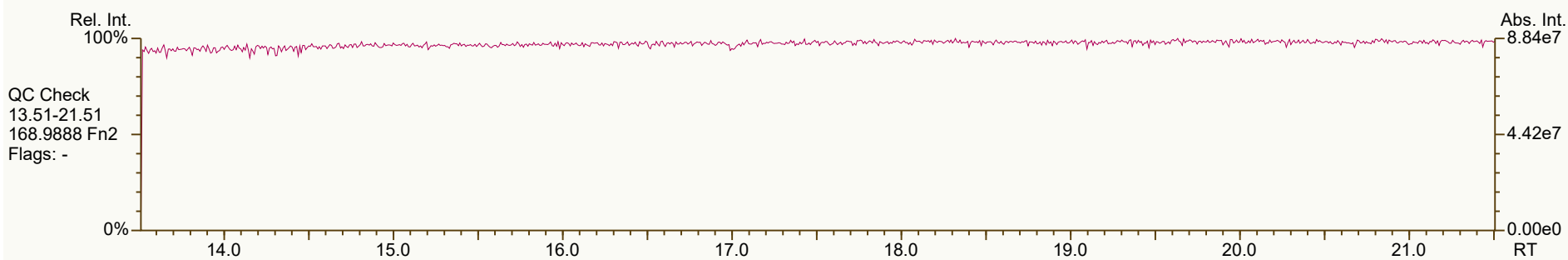
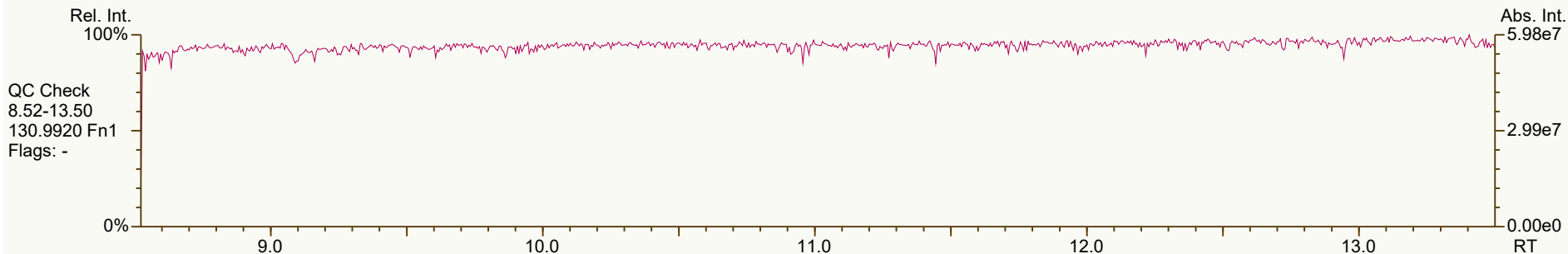
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\CS3_241018_PAH_VA.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6784, 3119, 8088, 0448, 3642 scc: 285-690

Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:07 (DTF) Printed: 21-Oct-2024 11:41 Page 9 of 9

SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VA.utp_res, saved 18-Oct-2024 15:25 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 377-461

Peak annotation: Areas, Centroids
PKD: n/a Printed: 21-Oct-2024 11:41 Page 1 of 9

SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VA.utp_res, saved 18-Oct-2024 15:25 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2443, 7523, 5061, 2590, 2295 scc: 377-461

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 15:25 Printed: 21-Oct-2024 11:41 Page 2 of 9

SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



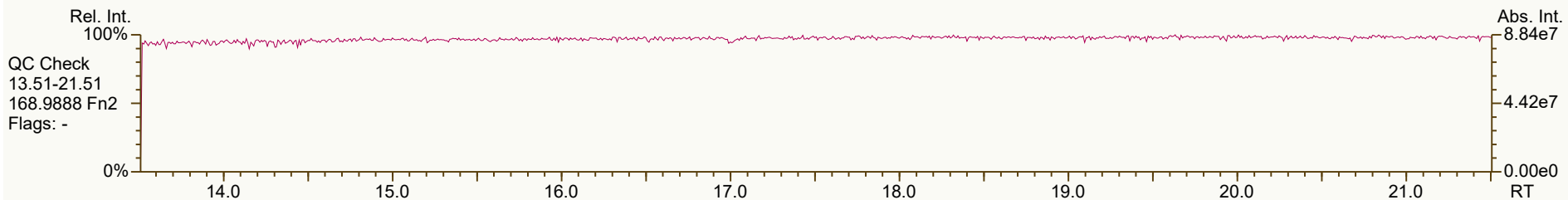
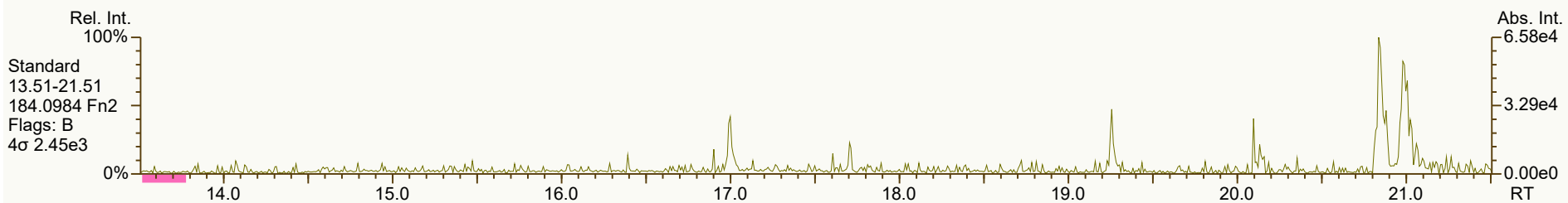
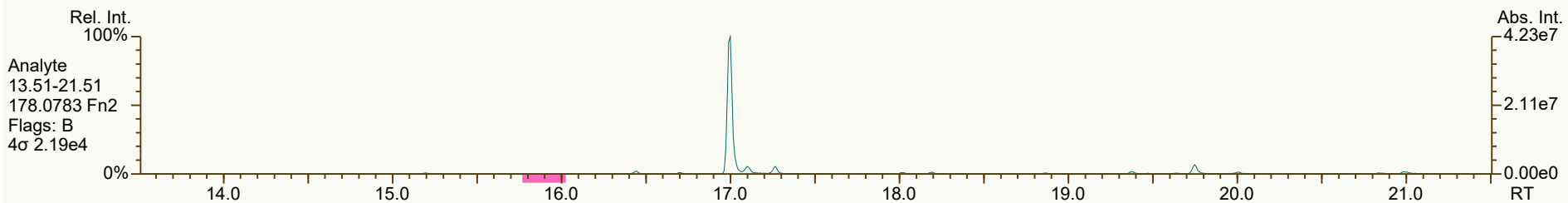
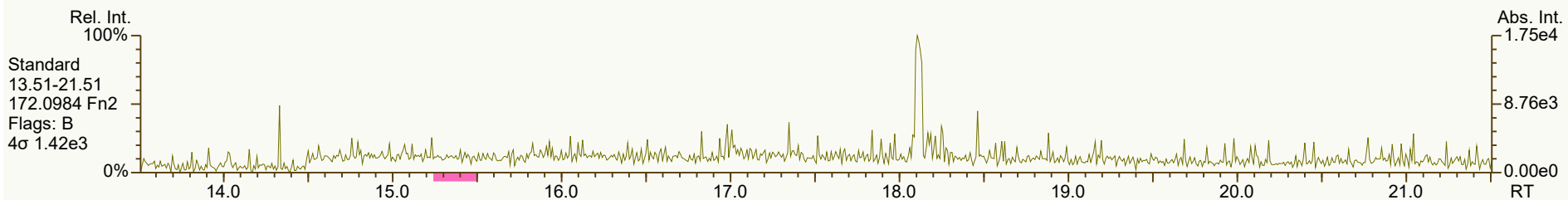
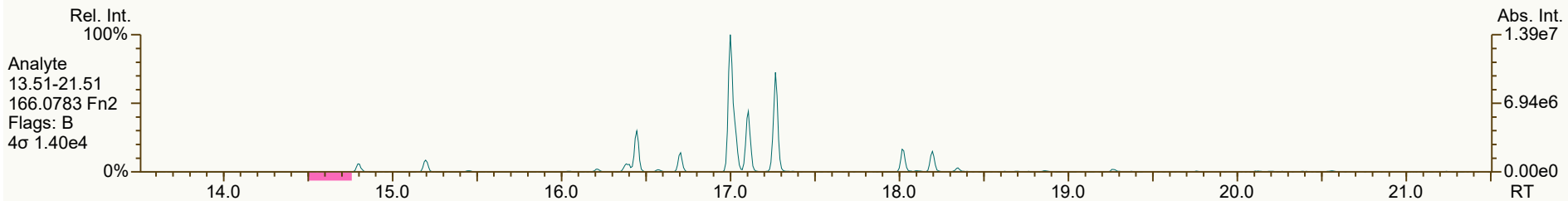
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VA.utp_res, saved 18-Oct-2024 15:25 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7481, 1348, 8612, 6689, 7477 scc: 377-461

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 15:25 Printed: 21-Oct-2024 11:41 Page 3 of 9

SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



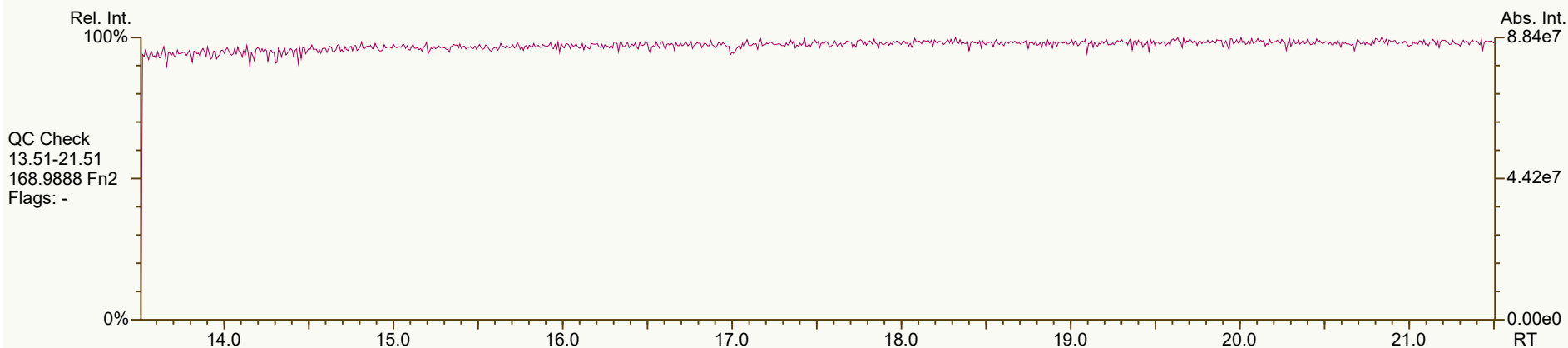
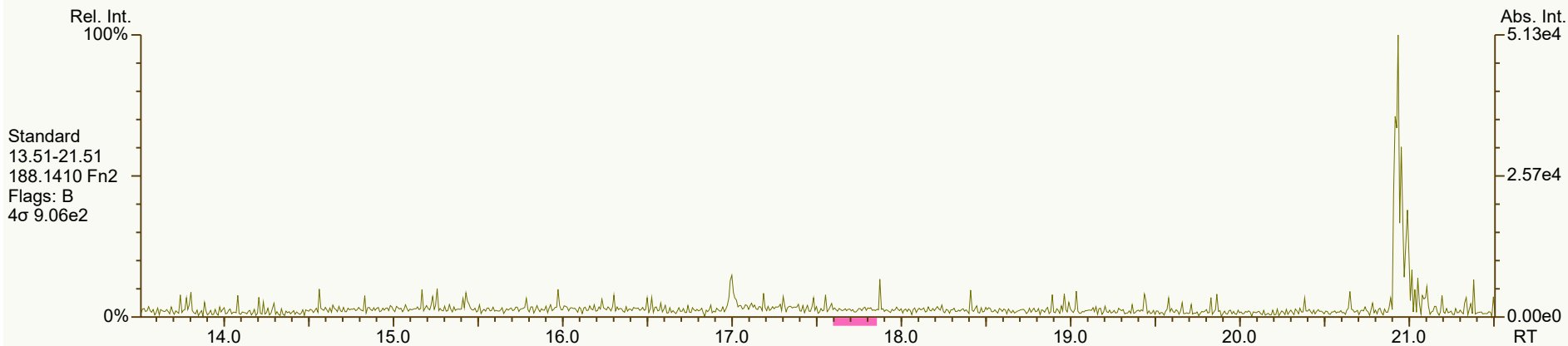
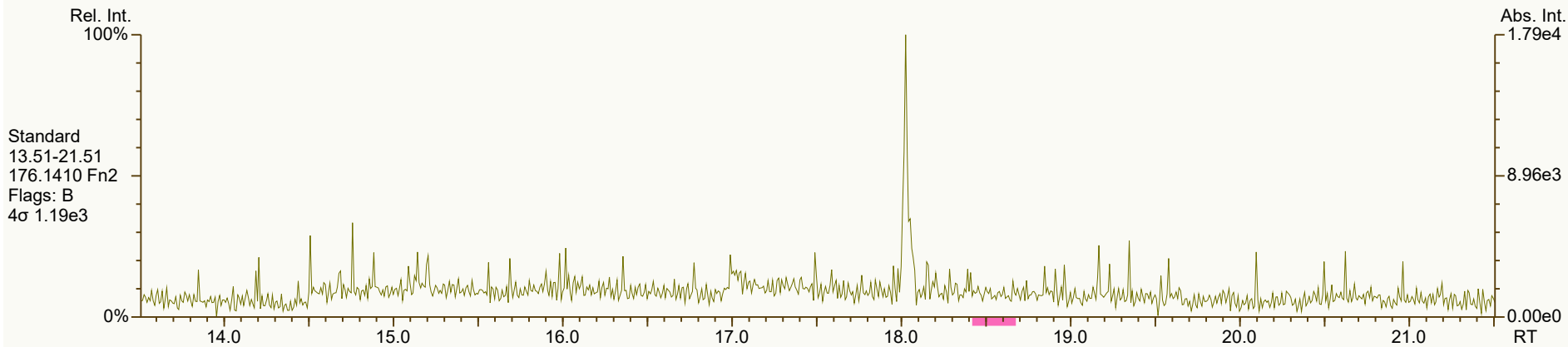
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VA.utp_res, saved 18-Oct-2024 15:25 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0127, 8166, 2058, 7707 scc: 377-461

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 15:25 Printed: 21-Oct-2024 11:41 Page 4 of 9

SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

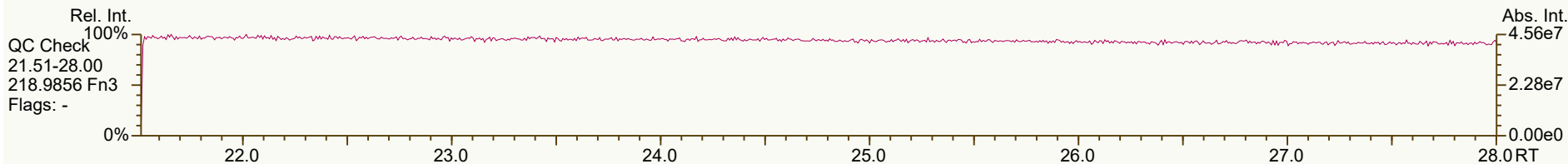
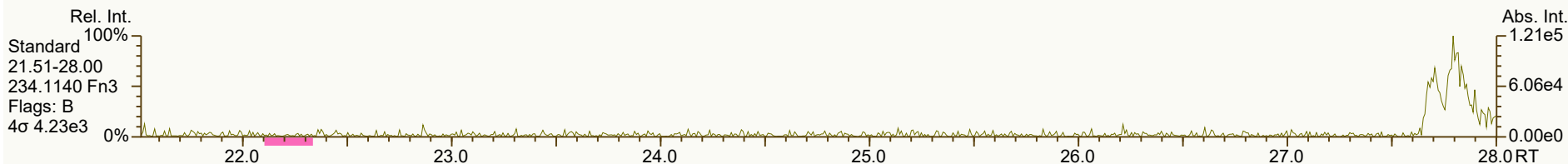
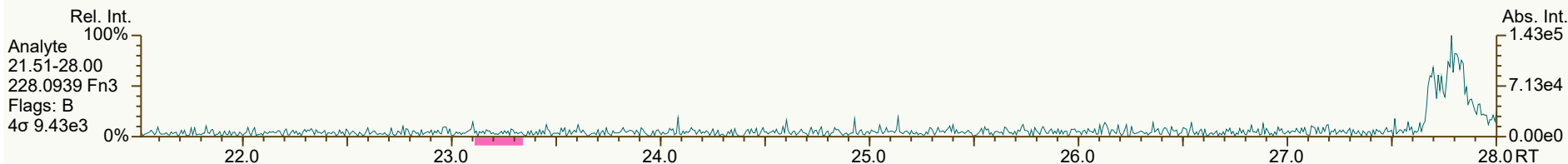
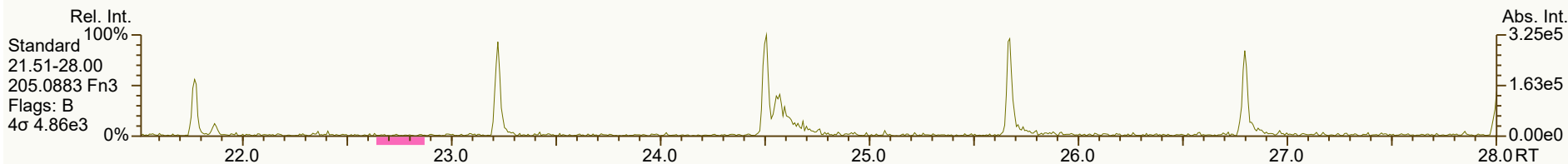
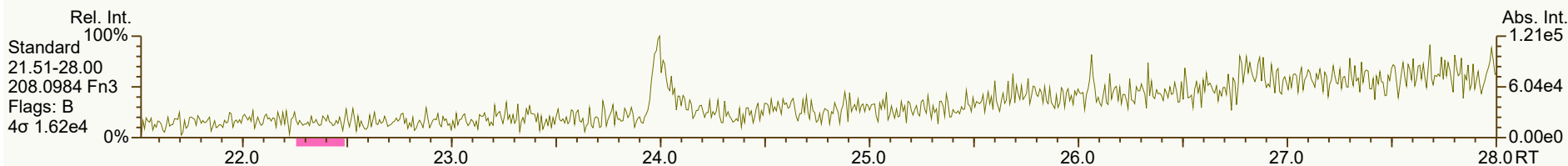
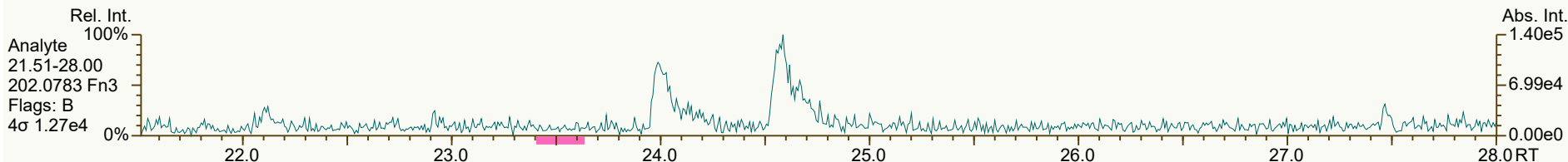
Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



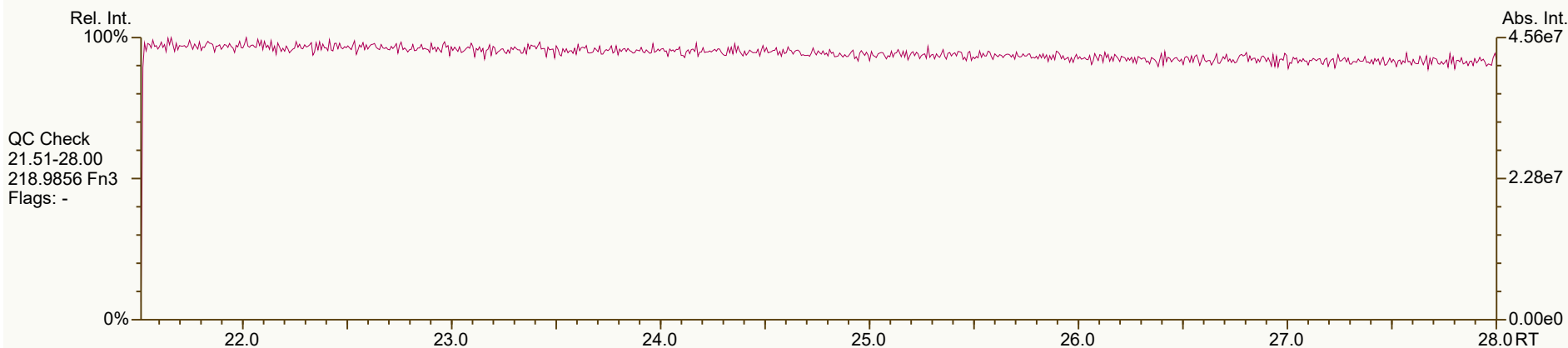
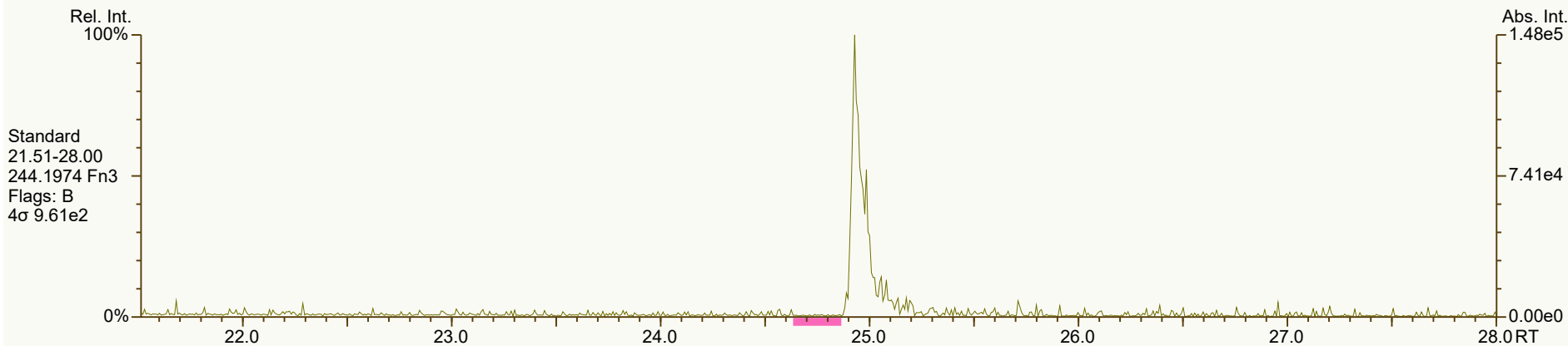
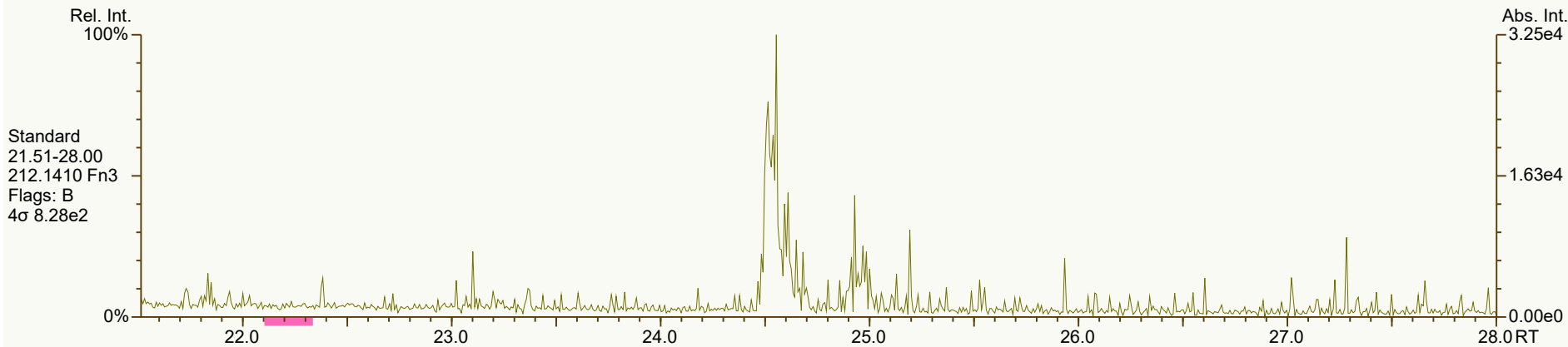
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VA.utp_res, saved 18-Oct-2024 15:25 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5166, 9310, 3243, 2200, 4322 scc: 377-461

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 15:25 Printed: 21-Oct-2024 11:41 Page 6 of 9

SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

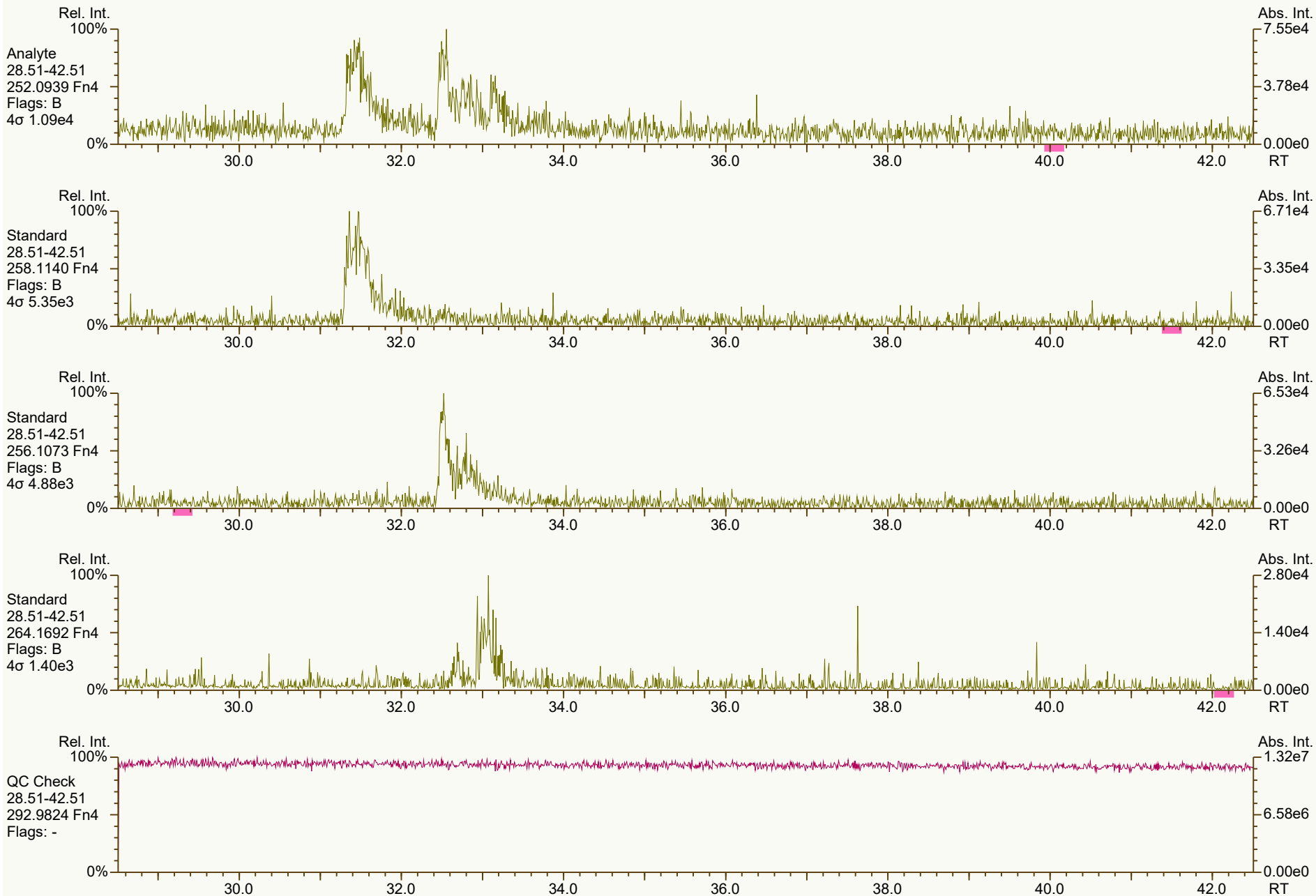
Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VA.utp_res, saved 18-Oct-2024 15:25 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1427, 5567, 9160, 4845 scc: 377-461

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 15:25 Printed: 21-Oct-2024 11:41 Page 8 of 9

SGS ID: SB_241018_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 12:46:23
User: DTF Datafile: 241018V05



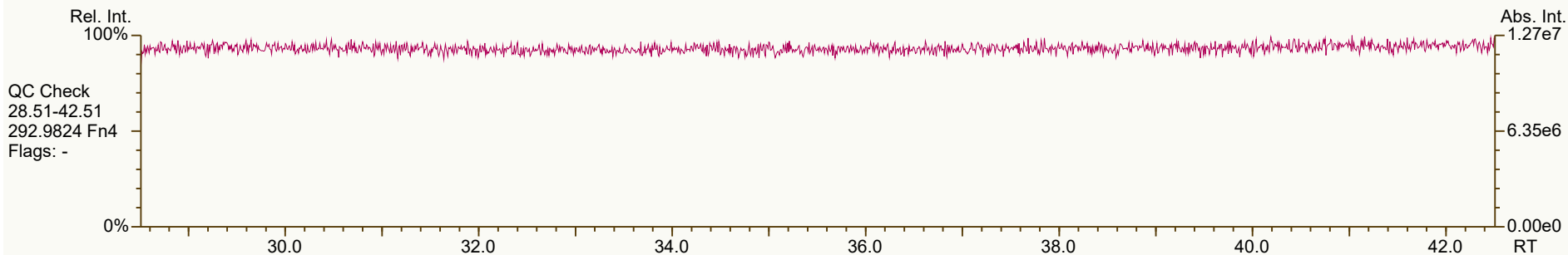
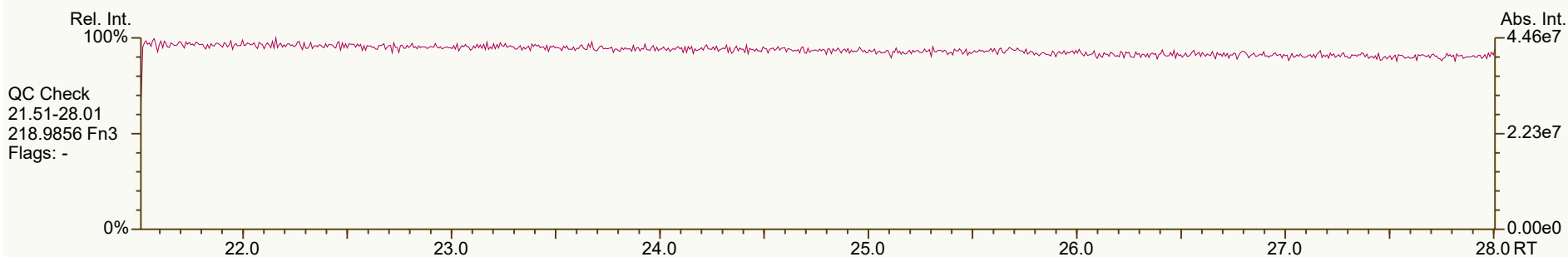
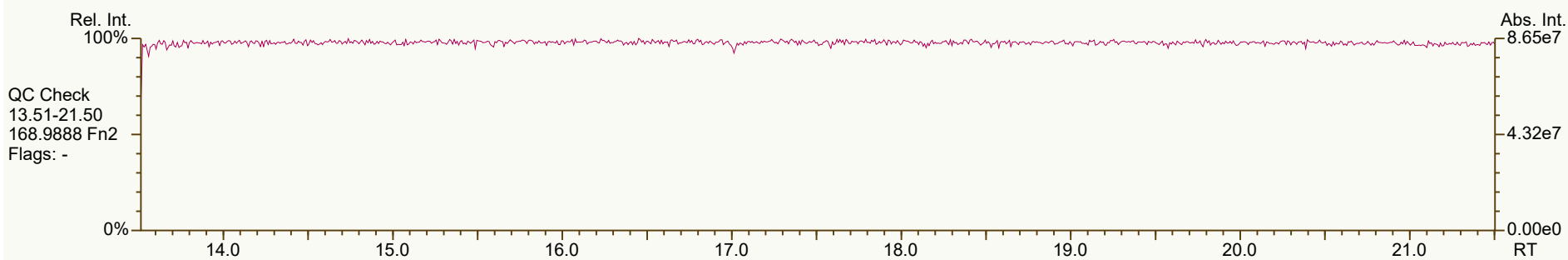
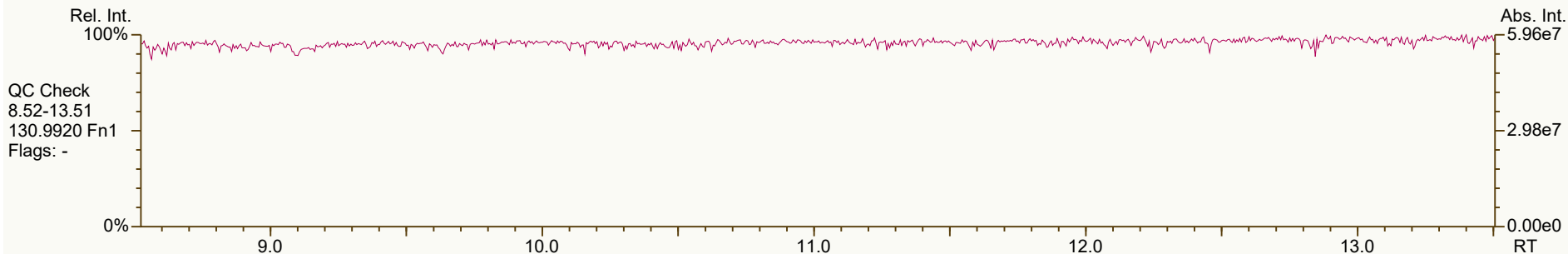
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VA.utp_res, saved 18-Oct-2024 15:25 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8198, 7902, 1847, 9709, 5210 scc: 377-461

Peak annotation: Areas, Centroids
PKD: 18-Oct-2024 15:25 Printed: 21-Oct-2024 11:42 Page 9 of 9

SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



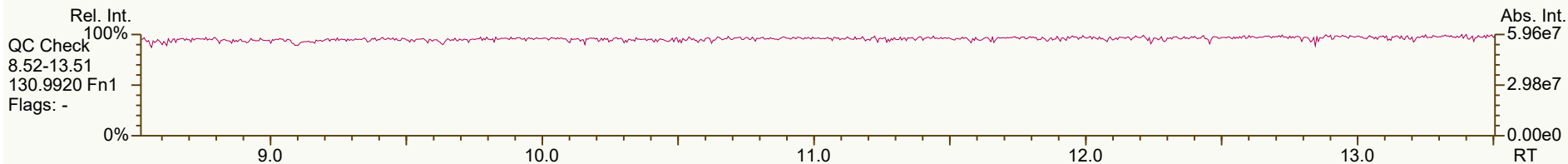
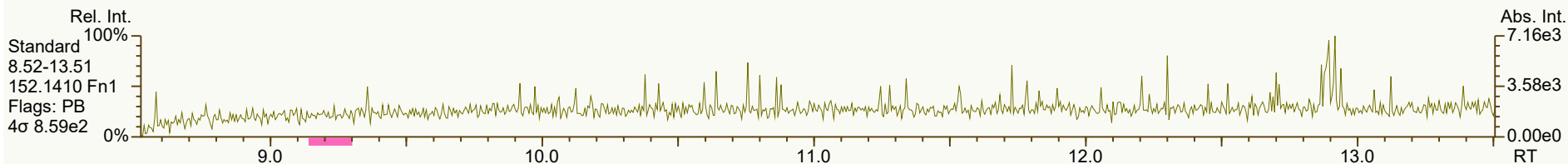
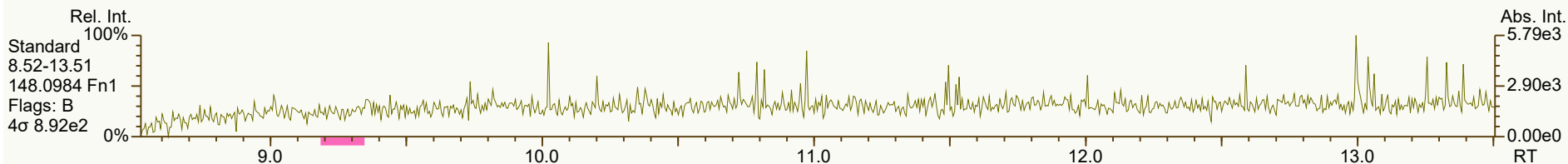
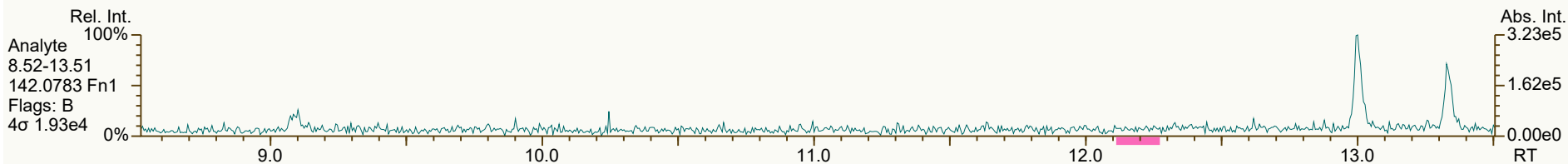
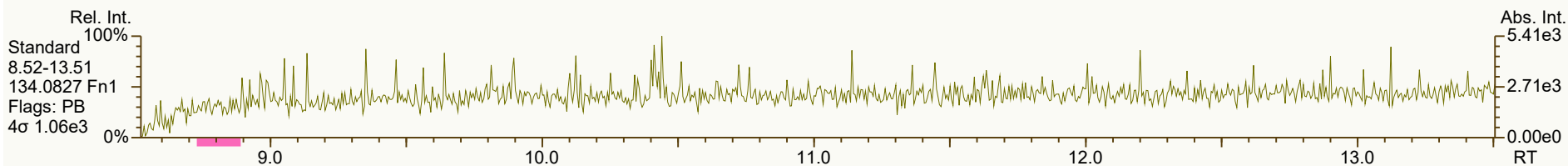
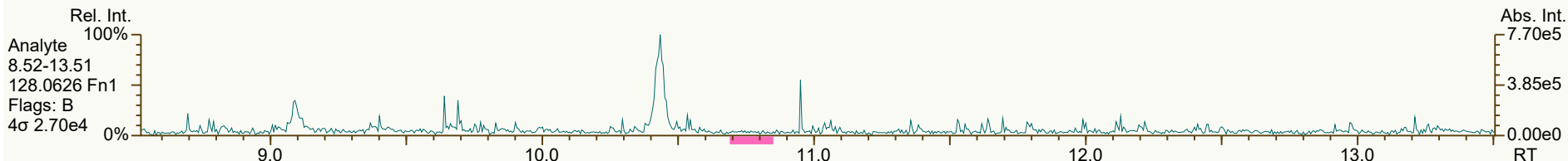
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\SB_241018_PAH_VB.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 458-078

Peak annotation: Areas, Centroids
PKD: n/a Printed: 21-Oct-2024 11:42 Page 1 of 9

SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VB.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1454, 7038, 1409, 6628, 2632 scc: 458-078

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:38 Printed: 21-Oct-2024 11:42 Page 2 of 9

SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



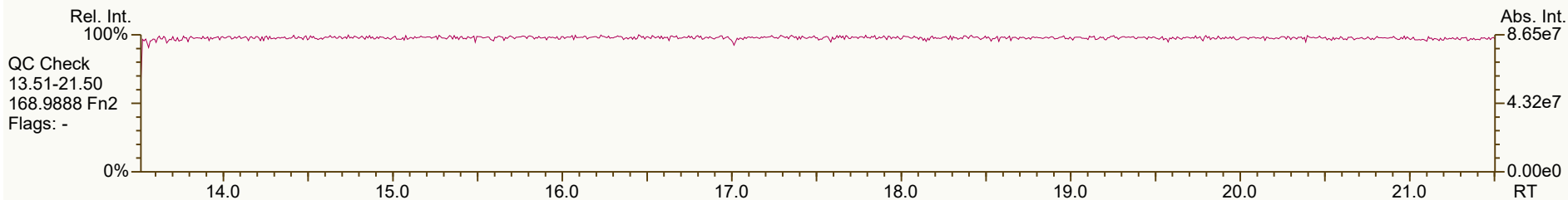
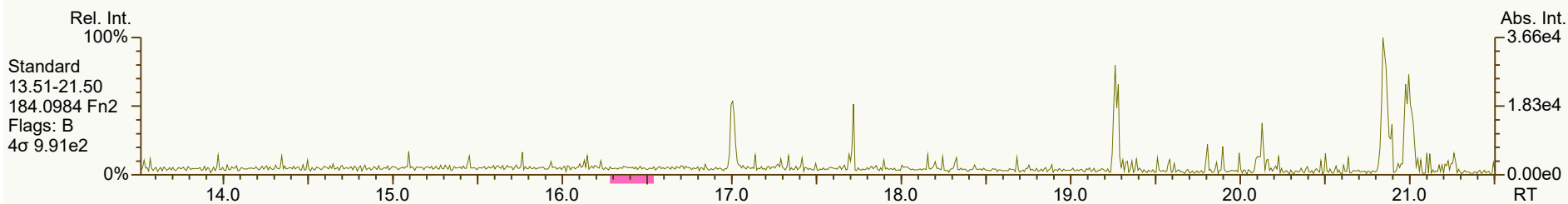
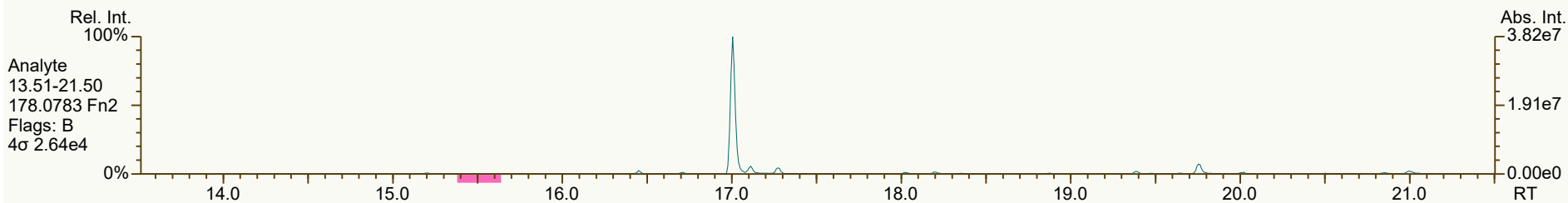
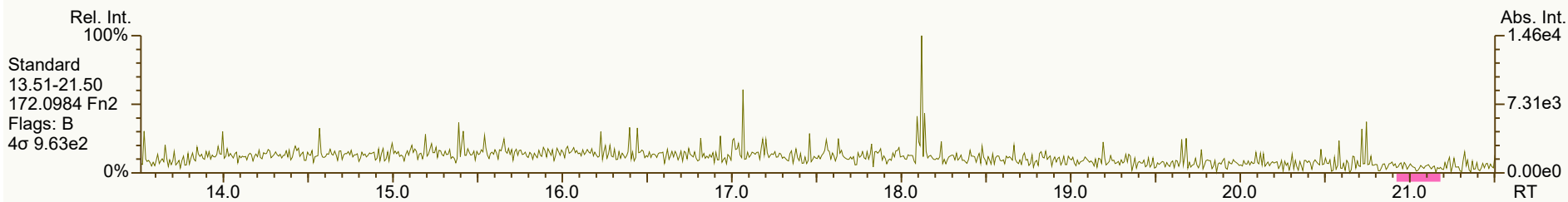
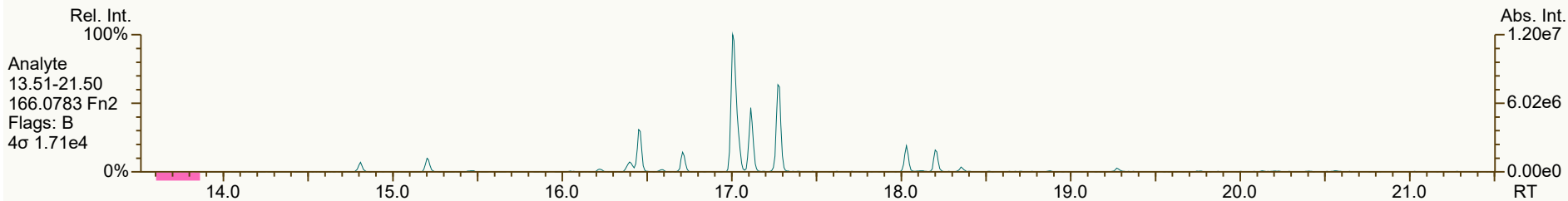
Results: P:\B9800_B9899\B9847\B9847_21458 PAHResources\SB_241018_PAH_VB.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2750, 4091, 6170, 0995, 6692 scc: 458-078

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:38 Printed: 21-Oct-2024 11:42 Page 3 of 9

SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



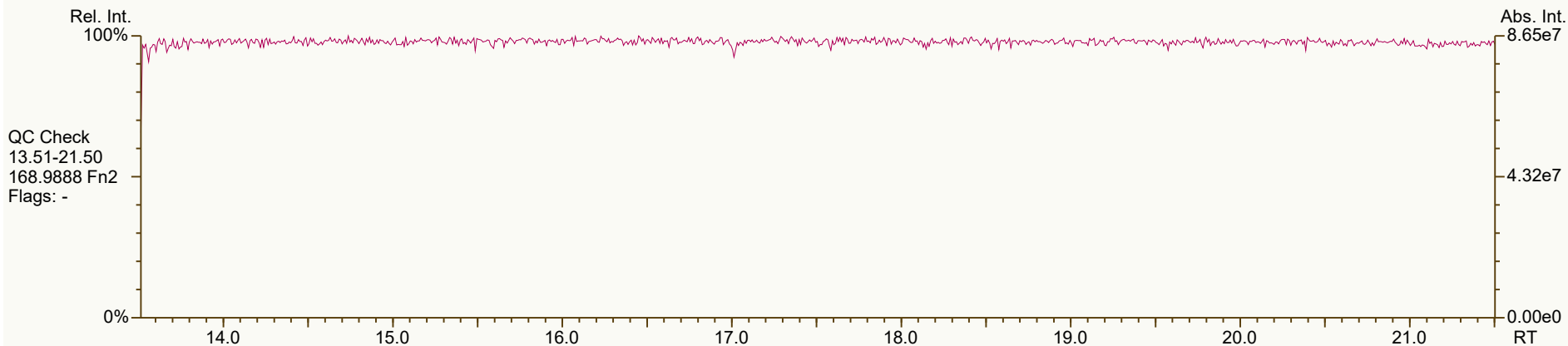
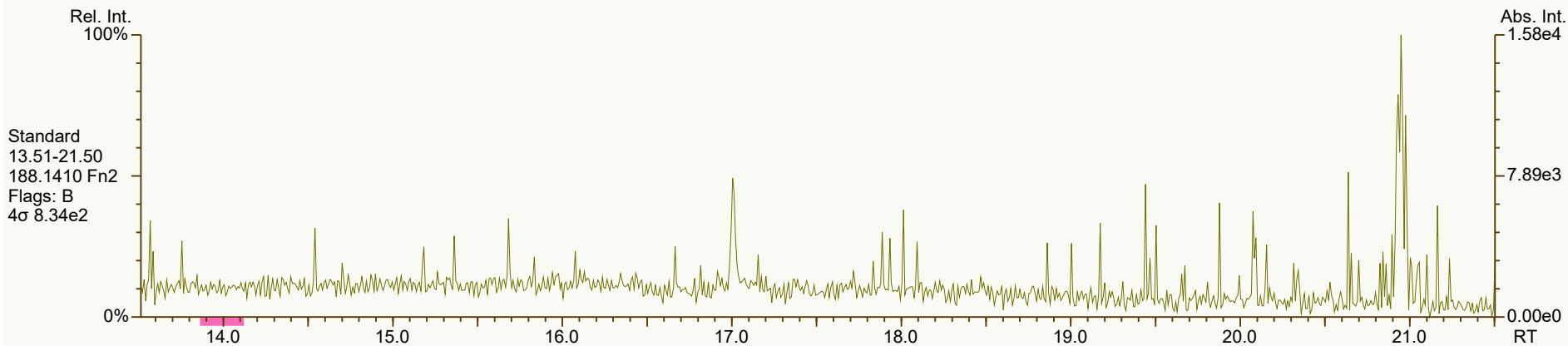
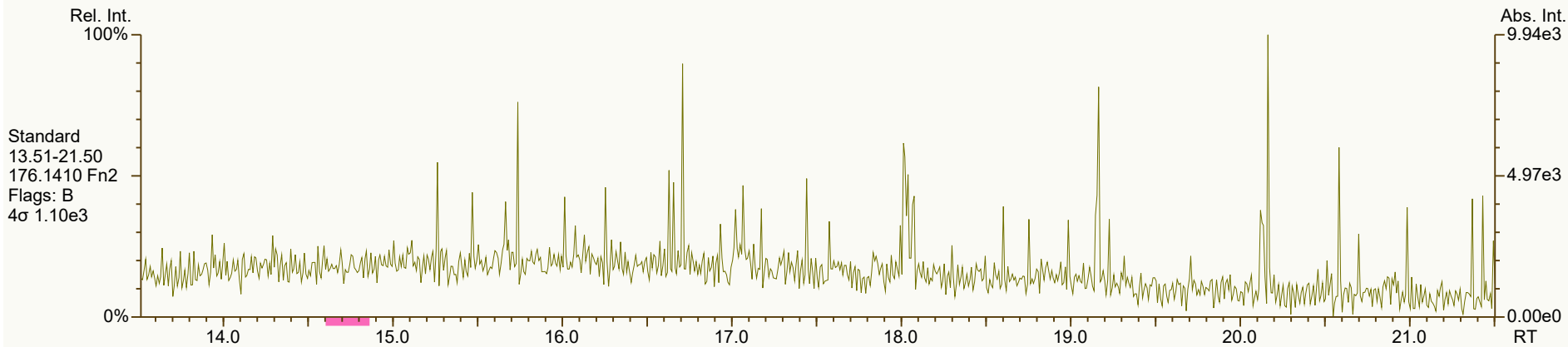
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VB.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0051, 2415, 5566, 7303 scc: 458-078

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:38 Printed: 21-Oct-2024 11:42 Page 4 of 9

SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

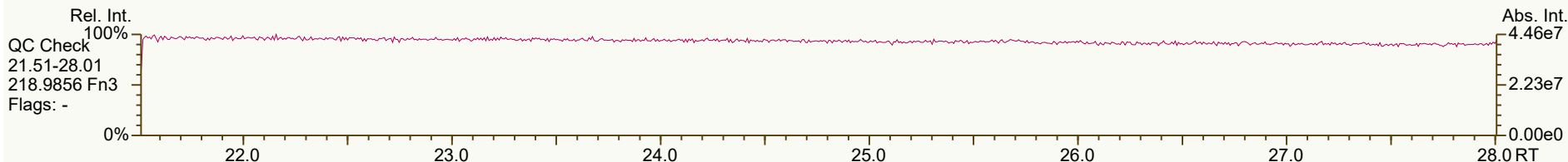
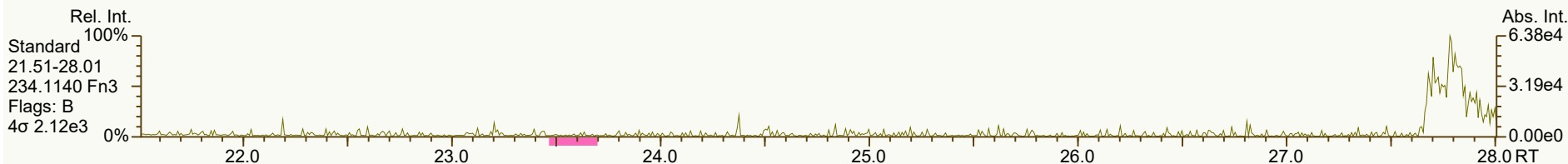
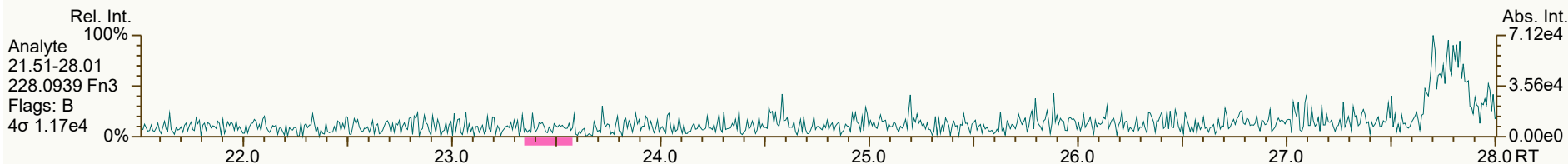
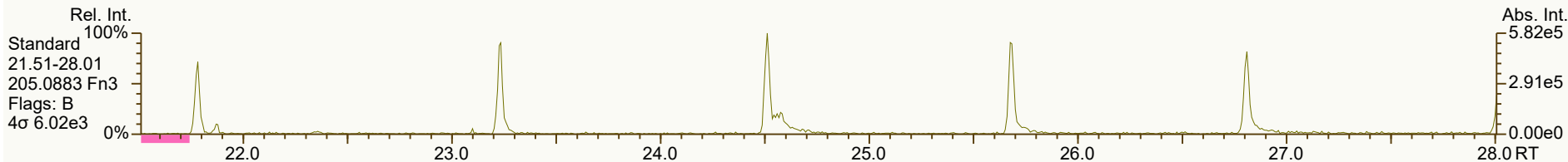
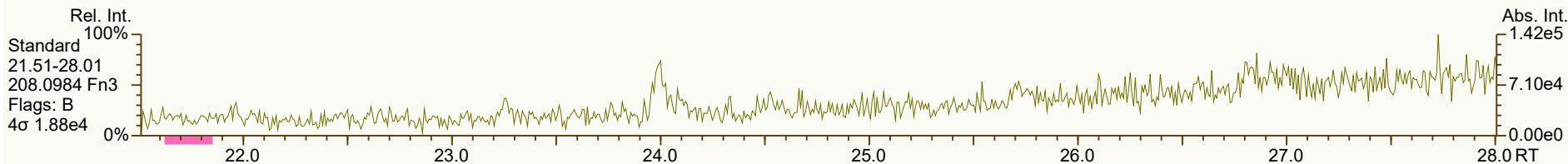
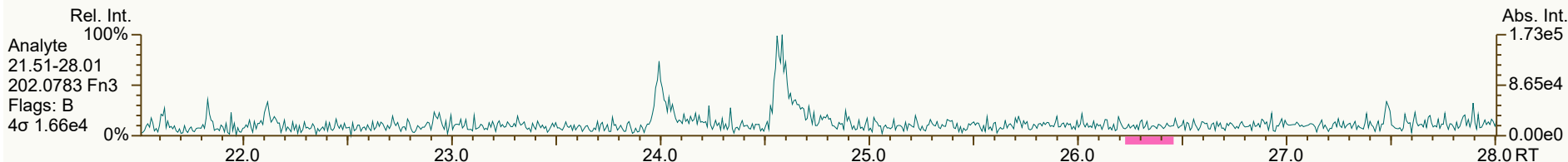
Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



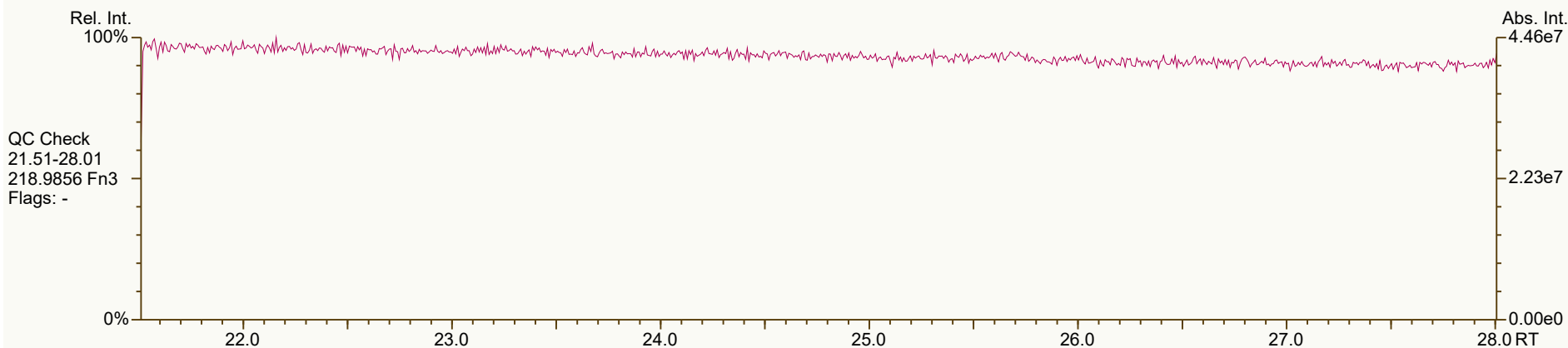
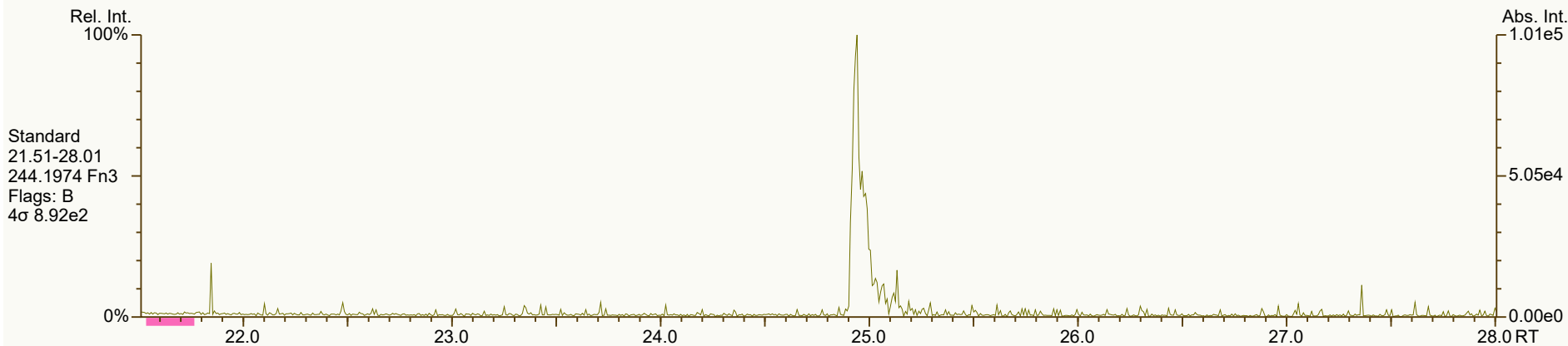
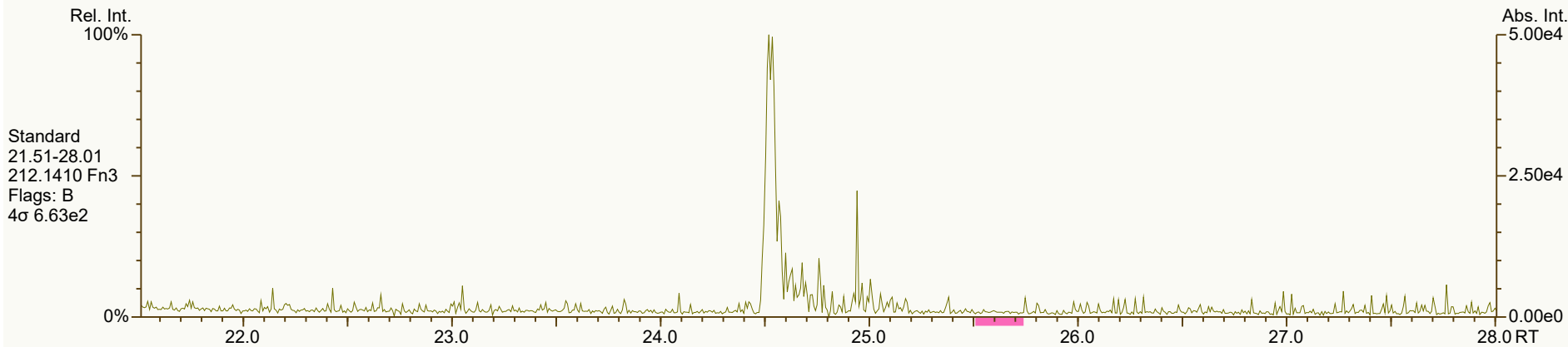
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VB.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7778, 4424, 2747, 4796, 2395 scc: 458-078

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:38 Printed: 21-Oct-2024 11:42 Page 6 of 9

SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

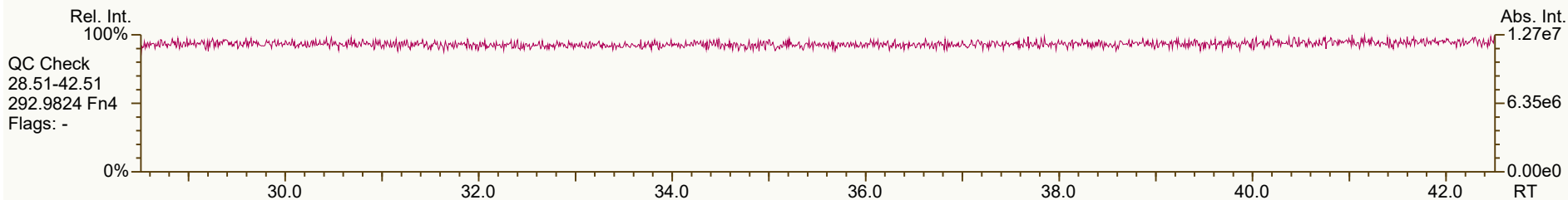
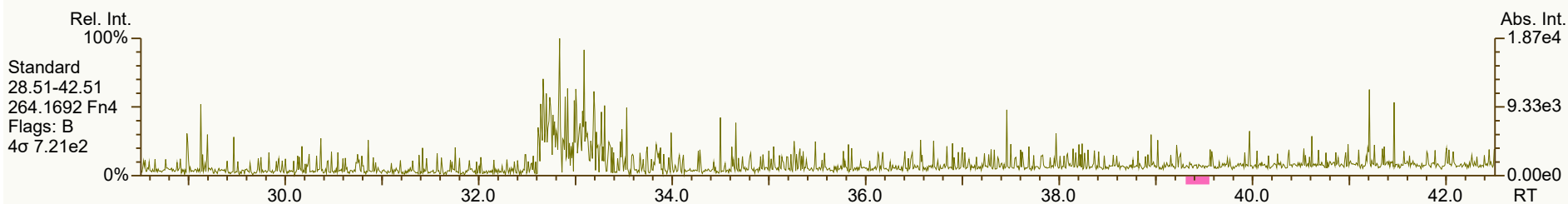
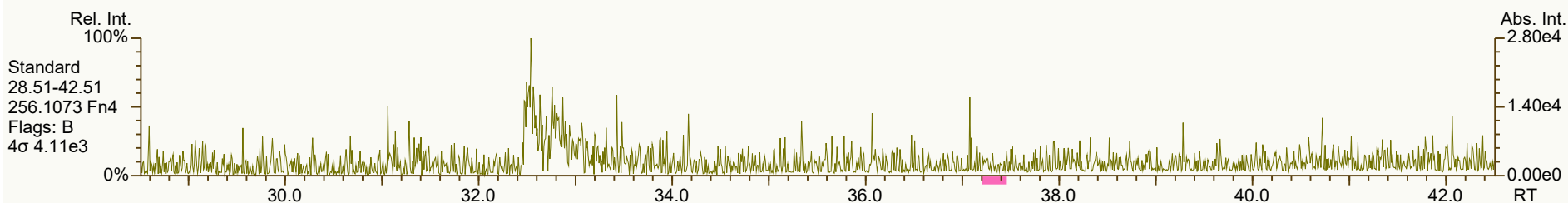
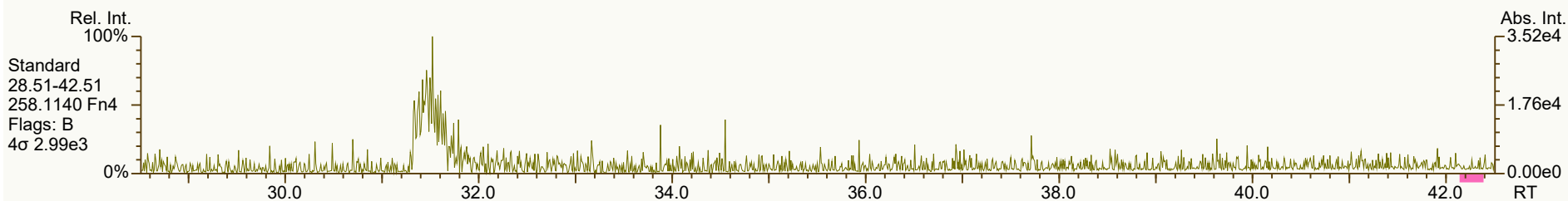
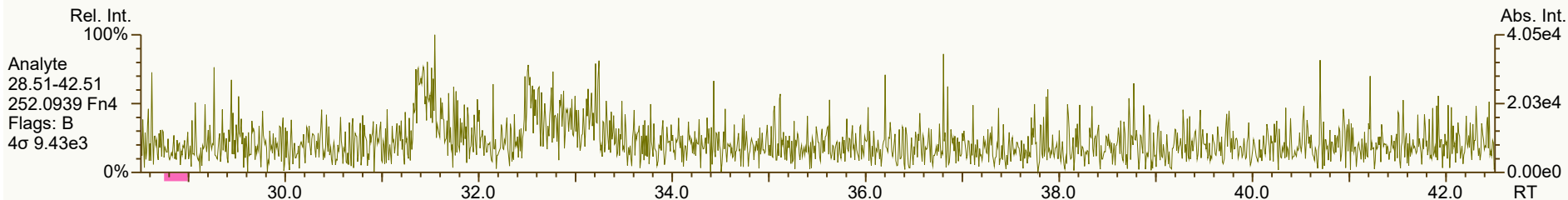
Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



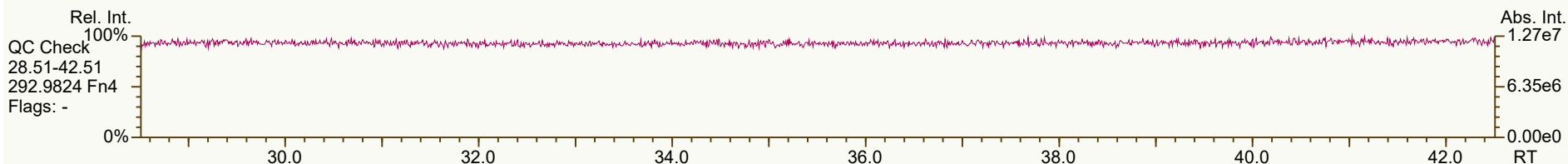
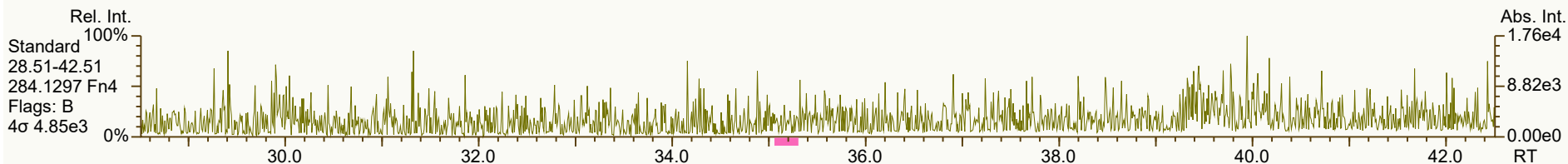
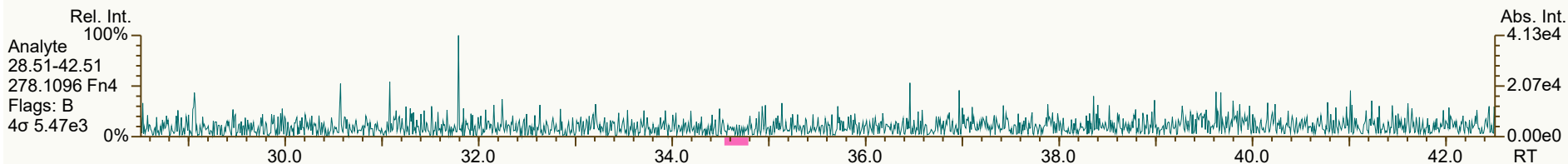
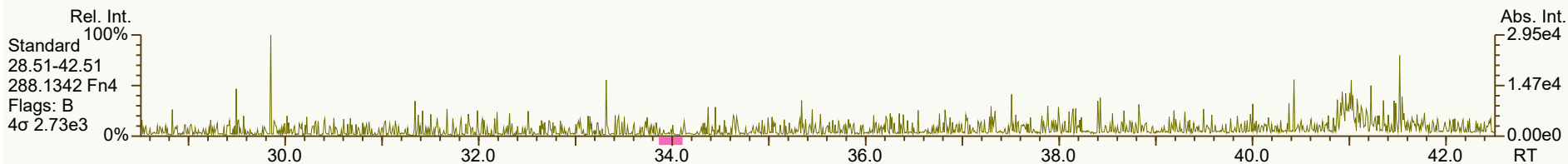
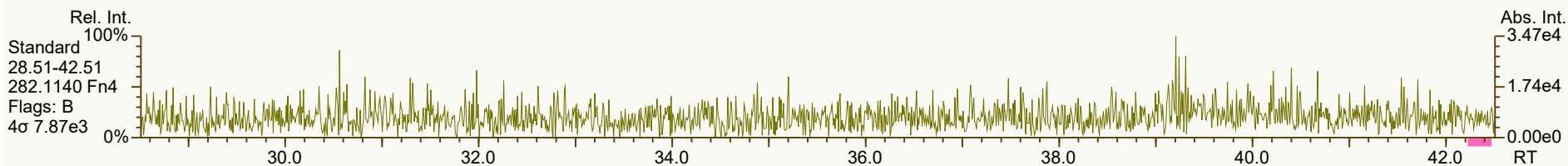
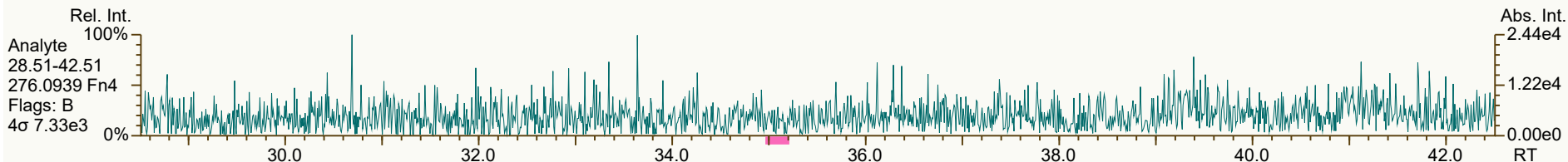
Results: P:\B9800_B9899\B9847\B9847_21458 PAH\Resources\SB_241018_PAH_VB.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1249, 3720, 5981, 7227 scc: 458-078

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:38 Printed: 21-Oct-2024 11:42 Page 8 of 9

SGS ID: SB_241018_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 18-Oct-2024 16:50:28
User: DTF Datafile: 241018V10



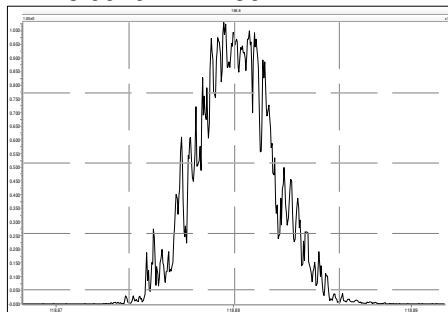
Results: P:\B9800_B9899\B9847\B9847_21458_PAH\Resources\SB_241018_PAH_VB.utp_res, saved 21-Oct-2024 11:38 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9621, 3254, 4391, 3860, 3134 scc: 458-078

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:38 Printed: 21-Oct-2024 11:42 Page 9 of 9

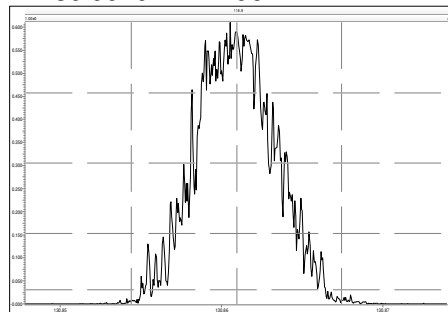
File: Experiment: pah.exp Reference: pah.ref Function: 1 @ 200 (ppm)

Printed: Friday, October 18, 2024 09:14:00 Eastern Daylight Time

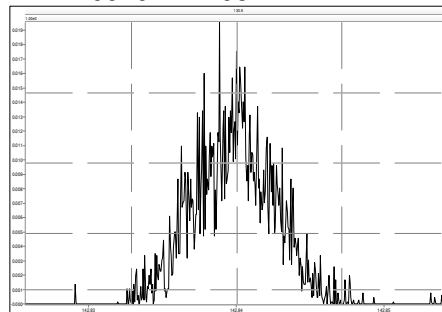
M 118.9920 R 12256



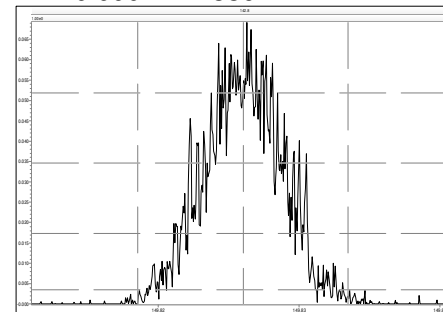
M 130.9920 R 12196



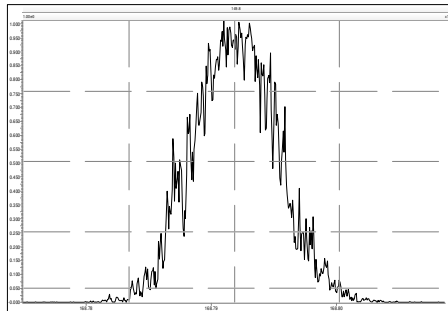
M 142.9920 R 12954



M 149.9904 R 13367



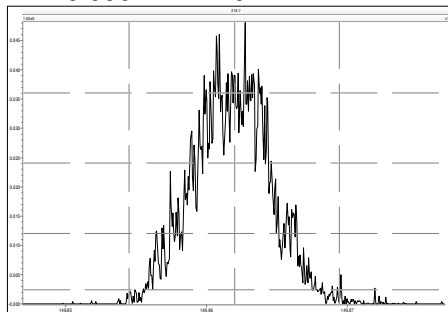
M 168.9888 R 11794



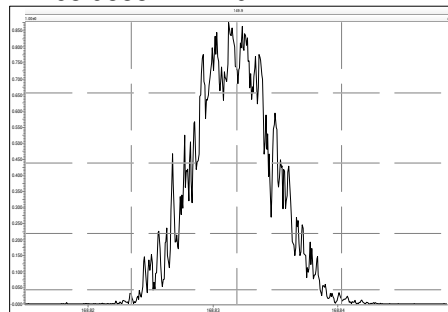
File: Experiment: pah.exp Reference: pah.ref Function: 2 @ 200 (ppm)

Printed: Friday, October 18, 2024 09:14:14 Eastern Daylight Time

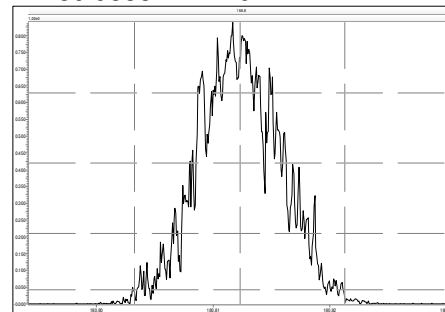
M 149.9904 R 11794



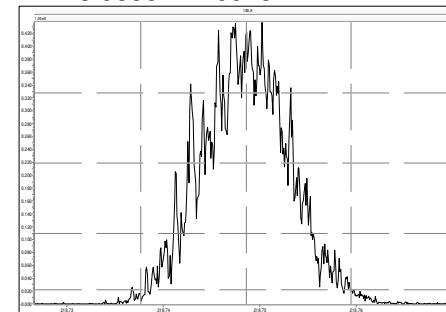
M 168.9888 R 12194



M 180.9888 R 12194



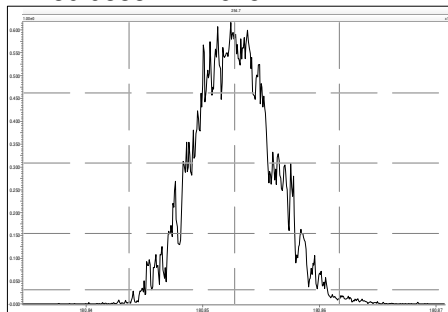
M 218.9856 R 10913



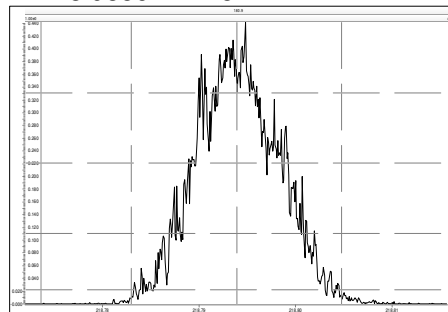
File: Experiment: pah.exp Reference: pah.ref Function: 3 @ 200 (ppm)

Printed: Friday, October 18, 2024 09:14:35 Eastern Daylight Time

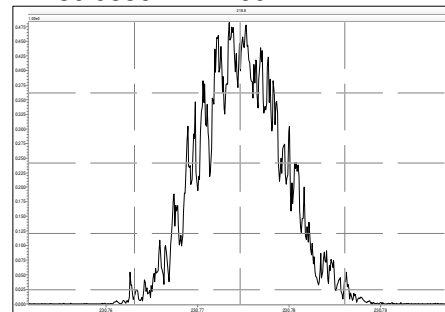
M 180.9888 R 11625



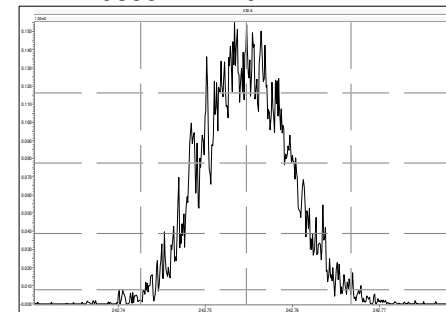
M 218.9856 R 11577



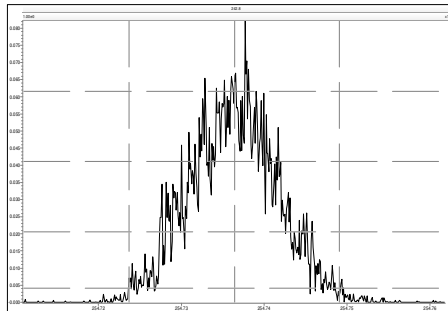
M 230.9856 R 11160



M 242.9856 R 11791



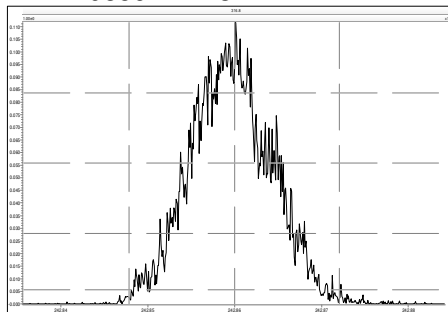
M 254.9856 R 12254



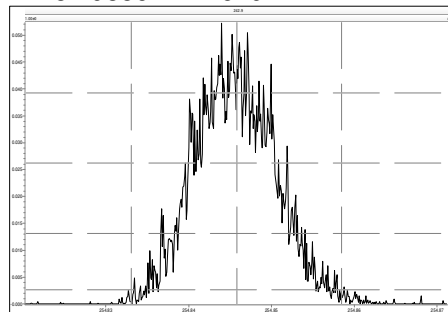
File: Experiment: pah.exp Reference: pah.ref Function: 4 @ 200 (ppm)

Printed: Friday, October 18, 2024 09:14:56 Eastern Daylight Time

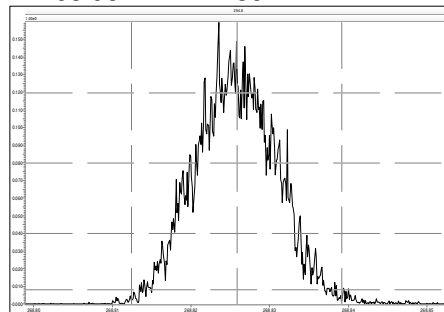
M 242.9856 R 12377



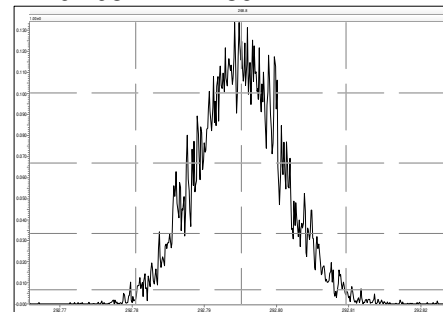
M 254.9856 R 11679



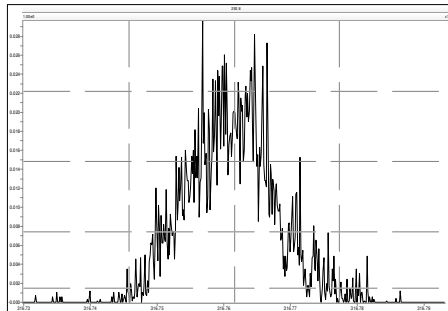
M 268.9824 R 11735



M 292.9824 R 11362

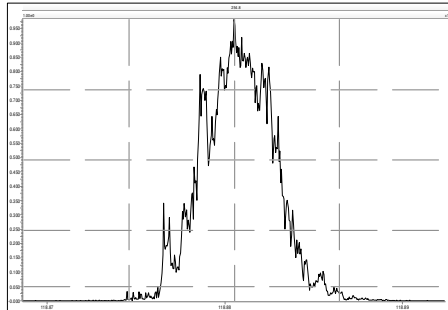


M 316.9824 R 12820

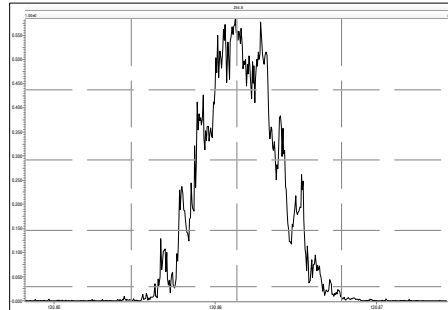


Printed: Friday, October 18, 2024 19:11:37 Eastern Daylight Time

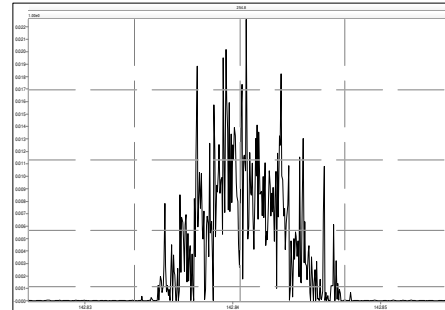
M 118.9920 R 14085



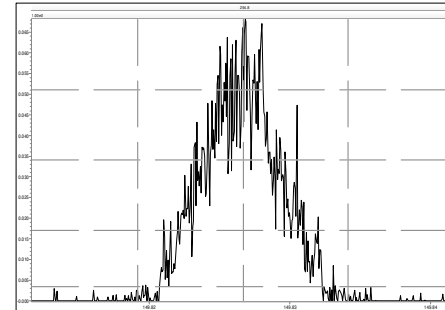
M 130.9920 R 14285



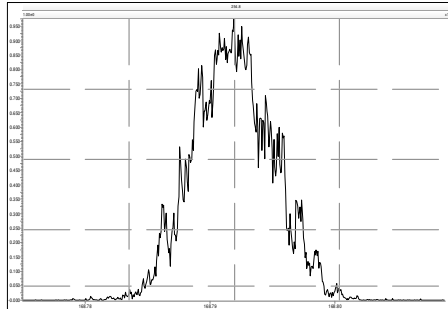
M 142.9920 R 23124



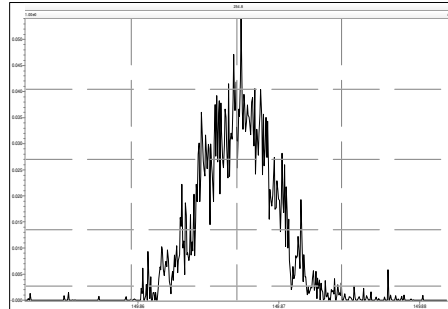
M 149.9904 R 13056



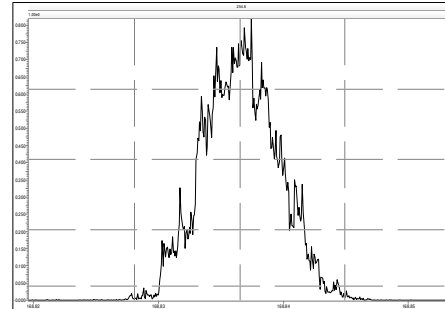
M 168.9888 R 11683



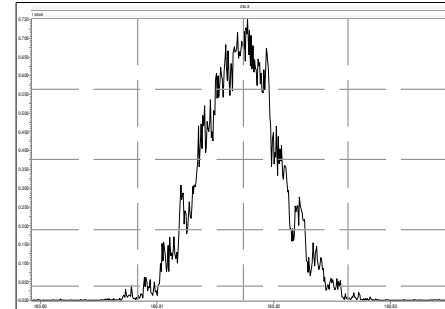
M 149.9904 R 15385



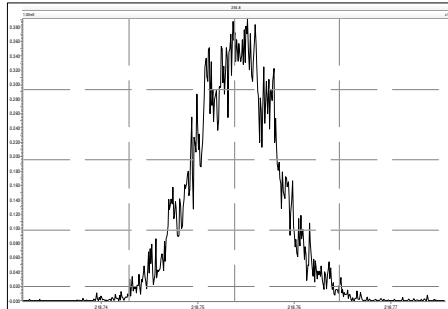
M 168.9888 R 12617



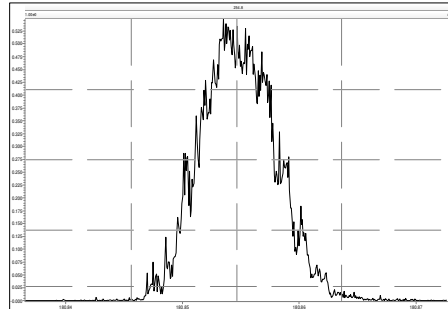
M 180.9888 R 12562



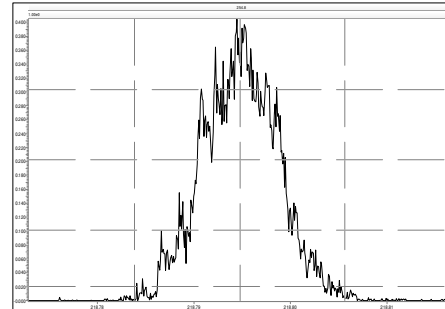
M 218.9856 R 12138



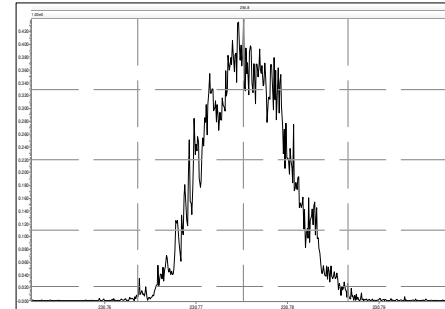
M 180.9888 R 12854



M 218.9856 R 12100

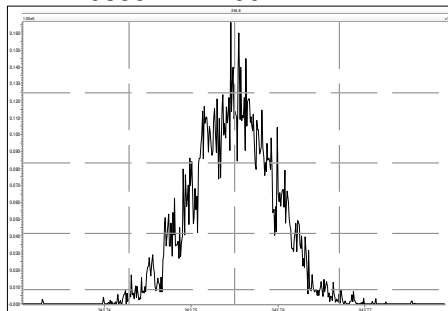


M 230.9856 R 12059

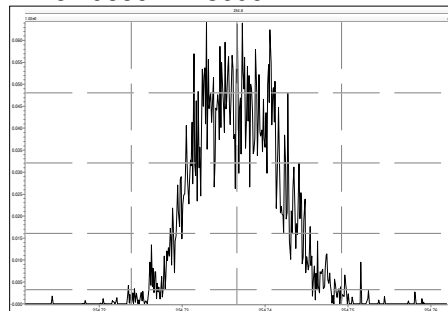


Printed: Friday, October 18, 2024 19:11:37 Eastern Daylight Time

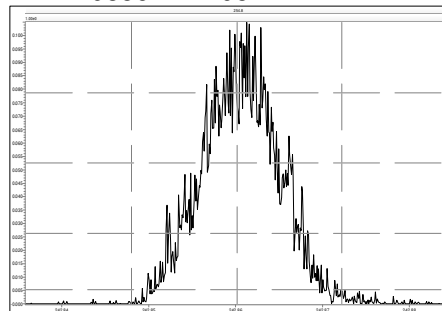
M 242.9856 R 12290



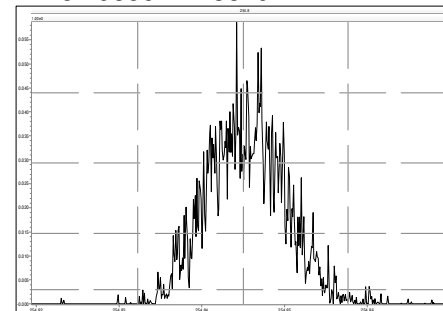
M 254.9856 R 13606



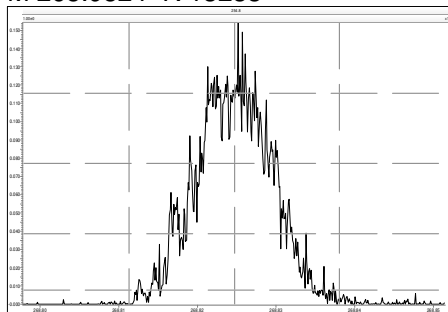
M 242.9856 R 12954



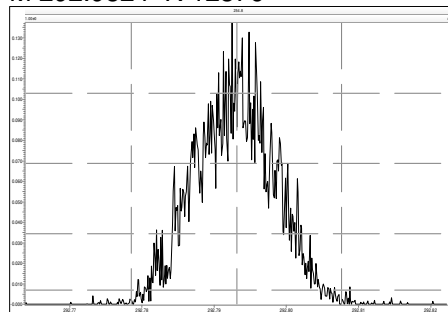
M 254.9856 R 13819



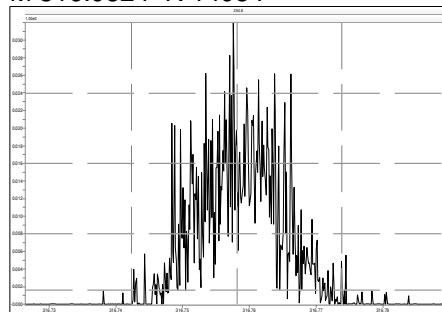
M 268.9824 R 13233



M 292.9824 R 12376



M 316.9824 R 14954



REVIEWED
Tamara Burkamper , 10/14/2024, 10:37:00 AM

SGS Environmental Services — Run Log

Project: B9847_21458_PCB

Instrument: HRMS2 (AutoSpec-Ultima)

MS Experiment: pcb-2016

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
0	241007B11	1	CS3_241007_PCB_BC	1.00	ICAL SIL 27-92-1	JLJ	224-084	08-Oct-2024	03:22:57
1	241007B12	2	CS3_241007_PCB_BD	1.00	CPSM SIL 27-92-2	JLJ	886-581	08-Oct-2024	04:19:59
2	241007B13	3	SB_241007_PCB_BD	1.00	DISTILLED NONANE	JLJ	330-598	08-Oct-2024	05:18:41
3	241007B14	53	MB1_21458_PCB_SDS	1.00	Method Blank	JLJ	801-948	08-Oct-2024	06:17:23
4	241007B15	54	B9847_21458_PCB_001	1.00	Test #1 Mill on	JLJ	889-250	08-Oct-2024	07:16:05
5	241007B16	55	B9847_21458_PCB_002	1.00	Test #2 Mill on	JLJ	046-560	08-Oct-2024	08:14:47
6	241007B17	56	B9847_21458_PCB_003	1.00	Test #3 Mill on	JLJ	160-397	08-Oct-2024	09:13:29
7	241007B18	57	B9847_21458_PCB_004	1.00	Test #4 Mill on	JLJ	186-417	08-Oct-2024	10:12:11
8	241007B19	58	B9847_21458_PCB_005	1.00	Test #1 Mill off	JLJ	442-377	08-Oct-2024	11:10:52
9	241007B20	59	B9847_21458_PCB_006	1.00	Test #2 Mill off	JLJ	147-850	08-Oct-2024	12:09:34
10	241007B21	60	B9847_21458_PCB_007	1.00	Test #3 Mill off	JLJ	911-724	08-Oct-2024	13:08:15
11	241007B22	61	B9847_21458_PCB_008	1.00	Field Blank	JLJ	032-384	08-Oct-2024	14:06:57
23	241007B23	3	SB_241007_PCB_BF	1.00	DISTILLED NONANE	JLJ	042-073	09-Oct-2024	00:14:51

REVIEWED
Jerry Jones , 10/11/2024, 1:16:03 PM

REVIEWED
paul_walton , 10/11/2024, 2:04:49 PM

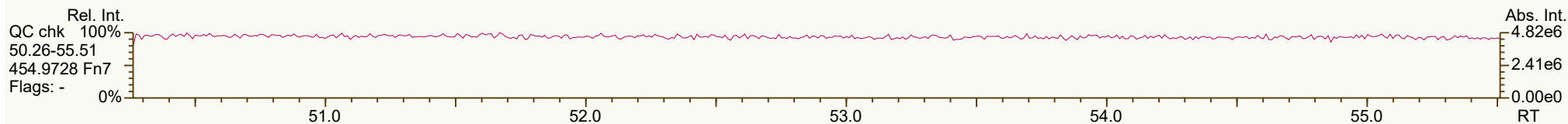
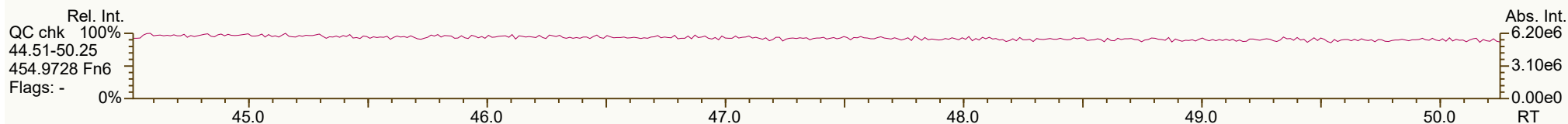
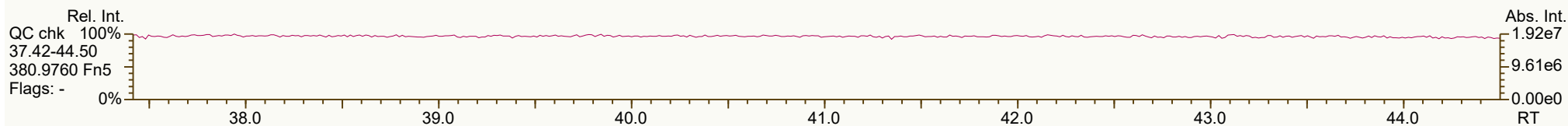
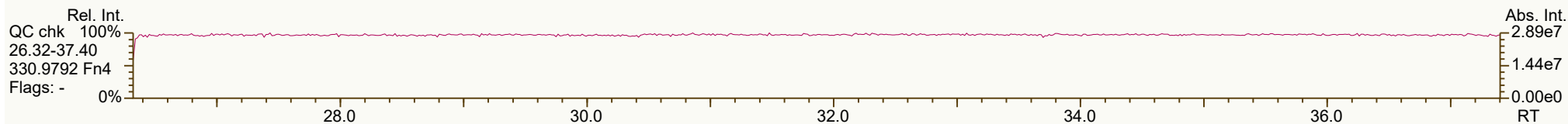
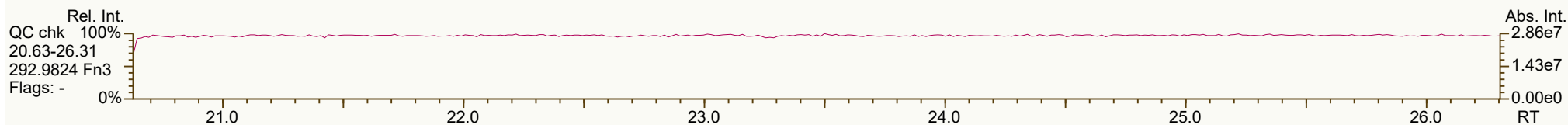
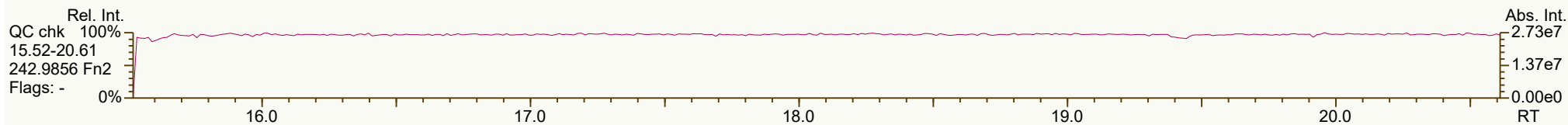
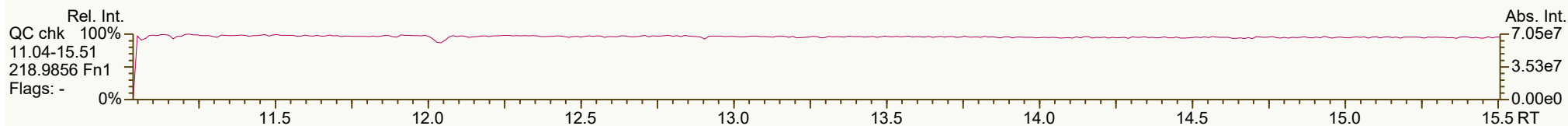
PCB QC Summary		SGS North America			Printed: 11 Oct 2024 12:38	
Lab ID:	CS3_241007_PCB_BC					
Acquired:	08-OCT-2024 03:22			ICAL: HRMS2_PCB_03MAY2024		
Datafile:	241007B11					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-77 33'44'-TeCB	32.12	1.60E+08	0.77 Y	0.95	0.95	0.5%
PCB-81 344'5'-TeCB	31.63	1.60E+08	0.78 Y	0.94	0.93	-1.8%
PCB-105 233'44'-PeCB	35.09	1.45E+08	0.63 Y	0.97	0.95	-1.8%
PCB-114 2344'5'-PeCB	34.53	1.52E+08	0.63 Y	0.96	0.95	-0.9%
PCB-118 23'44'5'-PeCB	34.07	1.59E+08	0.63 Y	0.99	0.97	-2.0%
PCB-123 23'44'5'-PeCB	33.79	1.55E+08	0.62 Y	0.96	0.97	0.6%
PCB-126 33'44'5'-PeCB	37.73	1.10E+08	0.62 Y	0.96	0.97	1.0%
PCB-156/157 ...-HxCB	40.27	2.34E+08	1.26 Y	0.96	0.97	1.3%
PCB-167 23'44'55'-HxCB	39.27	1.23E+08	1.24 Y	0.94	0.96	2.9%
PCB-169 33'44'55'-HxCB	43.02	9.62E+07	1.25 Y	0.97	0.98	0.8%
PCB-189 233'44'55'-HpCB	45.13	7.20E+07	1.04 Y	0.93	0.94	1.3%
PCB-209 DeCB	50.86	4.69E+07	1.19 Y	0.95	0.95	-0.2%
ES PCB-1	11.38	4.85E+08	3.14 Y	1.19	1.05	-11.8%
ES PCB-3	13.61	4.78E+08	3.21 Y	1.13	1.03	-8.5%
ES PCB-4	13.83	3.31E+08	1.55 Y	0.72	0.71	-1.2%
ES PCB-15	19.47	5.18E+08	1.58 Y	1.07	1.12	4.5%
ES PCB-19	16.85	3.22E+08	1.04 Y	0.65	0.70	7.4%
ES PCB-37	25.78	4.14E+08	1.05 Y	1.40	1.19	-14.7%
ES PCB-54	19.71	3.98E+08	0.79 Y	1.23	1.15	-6.8%
ES PCB-77	32.10	3.35E+08	0.78 Y	1.28	0.97	-24.4%
ES PCB-81	31.61	3.46E+08	0.79 Y	1.33	1.00	-24.9%
ES PCB-104	24.63	3.89E+08	1.59 Y	1.32	1.39	5.5%
ES PCB-105	35.07	3.06E+08	1.55 Y	1.26	1.09	-13.3%
ES PCB-114	34.51	3.18E+08	1.56 Y	1.34	1.14	-15.5%
ES PCB-118	34.05	3.28E+08	1.59 Y	1.31	1.17	-10.7%
ES PCB-123	33.76	3.21E+08	1.57 Y	1.27	1.14	-9.8%
ES PCB-126	37.72	2.26E+08	1.53 Y	1.19	0.81	-32.0%
ES PCB-153	35.62	2.83E+08	1.24 Y	1.11	1.14	2.5%
ES PCB-155	29.56	4.14E+08	1.26 Y	1.45	1.67	14.8%
ES PCB-156/157	40.25	4.82E+08	1.24 Y	1.24	0.97	-21.6%
ES PCB-167	39.25	2.55E+08	1.23 Y	1.29	1.03	-20.3%
ES PCB-169	43.00	1.97E+08	1.24 Y	1.18	0.79	-32.8%
ES PCB-170	42.48	1.69E+08	1.04 Y	1.06	1.52	43.6%
ES PCB-180	41.39	2.08E+08	1.07 Y	1.25	1.87	49.2%
ES PCB-188	34.46	3.38E+08	1.08 Y	1.36	1.36	-0.1%
ES PCB-189	45.12	1.53E+08	1.03 Y	1.37	1.38	0.6%
ES PCB-202	39.03	2.77E+08	0.92 Y	1.19	1.12	-6.3%
ES PCB-205	47.34	1.36E+08	0.91 Y	1.23	1.22	-0.6%
ES PCB-206	49.05	1.00E+08	0.81 Y	0.89	0.90	1.2%
ES PCB-208	44.68	1.75E+08	0.80 Y	1.26	1.57	25.4%
ES PCB-209	50.83	9.87E+07	1.20 Y	0.98	0.89	-9.7%

PCB QC Summary		SGS North America			Printed: 11 Oct 2024 12:38	
Lab ID:	CS3_241007_PCB_BC					
Acquired:	08-OCT-2024 03:22			ICAL: HRMS2_PCB_03MAY2024		
Datafile:	241007B11					
Name	RT	Response	RA	ICAL	RRF	Deviation
SS PCB-28	22.19	4.61E+08	1.05 Y	1.04	1.12	7.7%
SS PCB-111	32.07	3.35E+08	1.58 Y	0.98	1.05	6.3%
SS PCB-178	37.06	2.23E+08	1.07 Y	0.71	0.66	-6.6%
CS PCB-28	22.19	4.61E+08	1.05 Y	1.44	1.33	-7.6%
CS PCB-111	32.07	3.35E+08	1.58 Y	1.24	1.19	-3.8%
CS PCB-178	37.06	2.23E+08	1.07 Y	0.96	0.90	-6.6%
JS PCB-9	15.77	4.63E+08	1.58 Y			
JS PCB-52	23.80	3.46E+08	0.78 Y			
JS PCB-101	29.77	2.81E+08	1.62 Y			
JS PCB-138	36.70	2.48E+08	1.25 Y			
JS PCB-194	46.90	1.11E+08	0.91 Y			
PCB-1 2-MoCB	11.39	2.29E+08	3.01 Y	1.01	0.94	-6.2%
PCB-3 4-MoCB	13.62	2.35E+08	3.11 Y	1.01	0.98	-3.2%
PCB-4 22'-DiCB	13.85	1.64E+08	1.58 Y	0.98	0.99	0.8%
PCB-15 44'-DiCB	19.49	2.46E+08	1.55 Y	0.97	0.95	-1.9%
PCB-19 22'6'-TrCB	16.86	1.67E+08	1.05 Y	1.03	1.04	0.3%
PCB-37 344'-TrCB	25.79	2.09E+08	1.05 Y	1.03	1.01	-2.0%
PCB-54 22'66'-TeCB	19.73	2.18E+08	0.78 Y	1.09	1.10	0.7%
PCB-104 22'466'-PeCB	24.66	1.96E+08	0.63 Y	1.00	1.01	0.5%
PCB-155 22'44'66'-HxCB	29.58	2.02E+08	1.26 Y	0.95	0.97	2.3%
PCB-188 22'34'566'-HpCB	34.48	1.81E+08	1.05 Y	0.96	1.07	11.2%
PCB-202 22'33'55'66'-OcCB	39.05	1.36E+08	0.87 Y	0.96	0.98	2.4%
PCB-205 233'44'55'6-OcCB	47.36	6.43E+07	0.89 Y	0.92	0.94	2.5%
PCB-208 22'33'455'66'-NoCB	44.70	8.64E+07	0.79 Y	0.96	0.99	2.9%
PCB-206 22'33'44'55'6-NoCB	49.07	4.58E+07	0.78 Y	0.93	0.92	-1.2%
AS PCB-32	19.87	4.88E+08	1.06 Y	0.84	1.06	25.2%
AS PCB-97	30.72	2.39E+08	1.56 Y	0.85	0.85	-0.2%
AS PCB-159	38.60	2.41E+08	1.28 Y	1.16	0.97	-16.2%

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

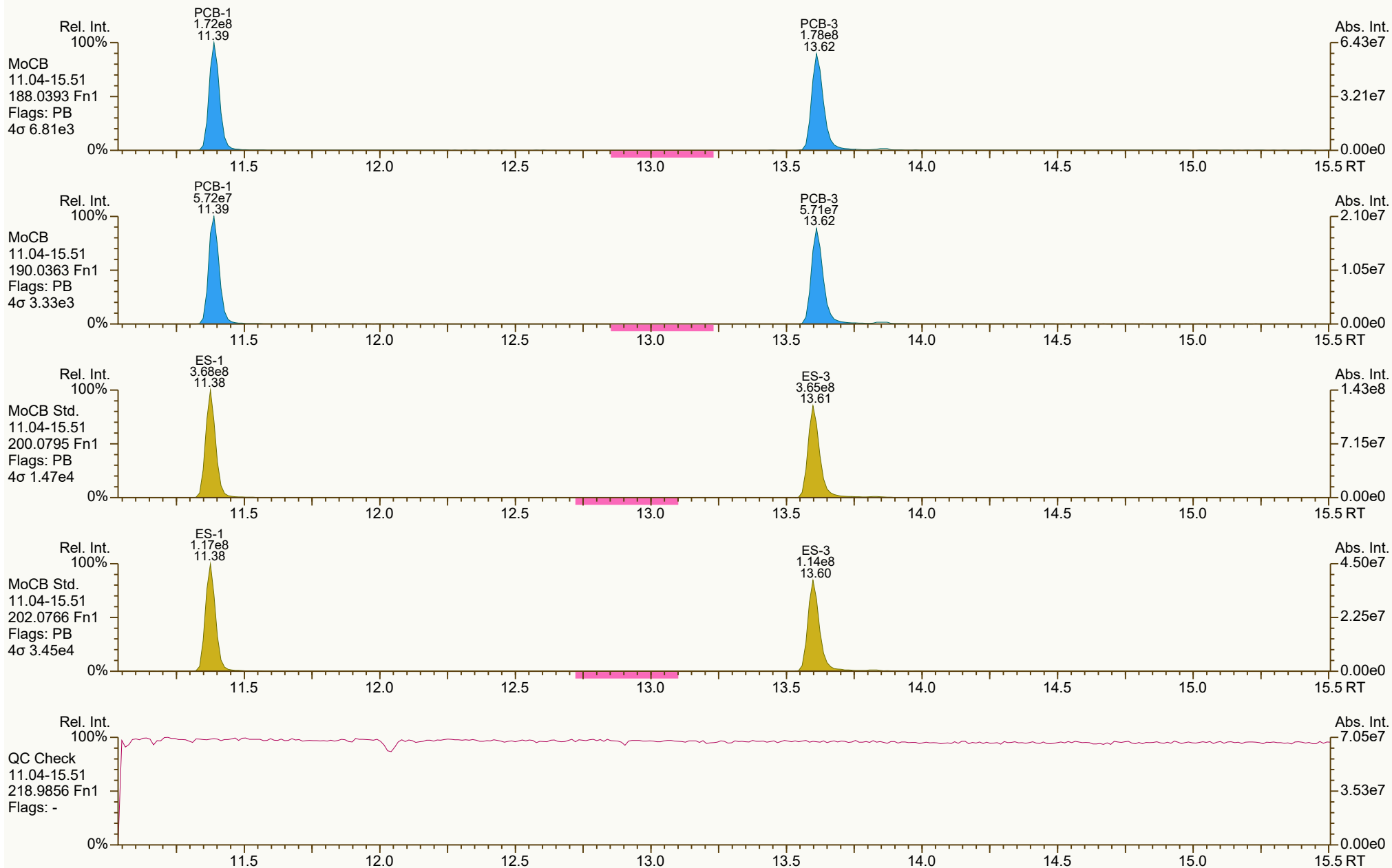
Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



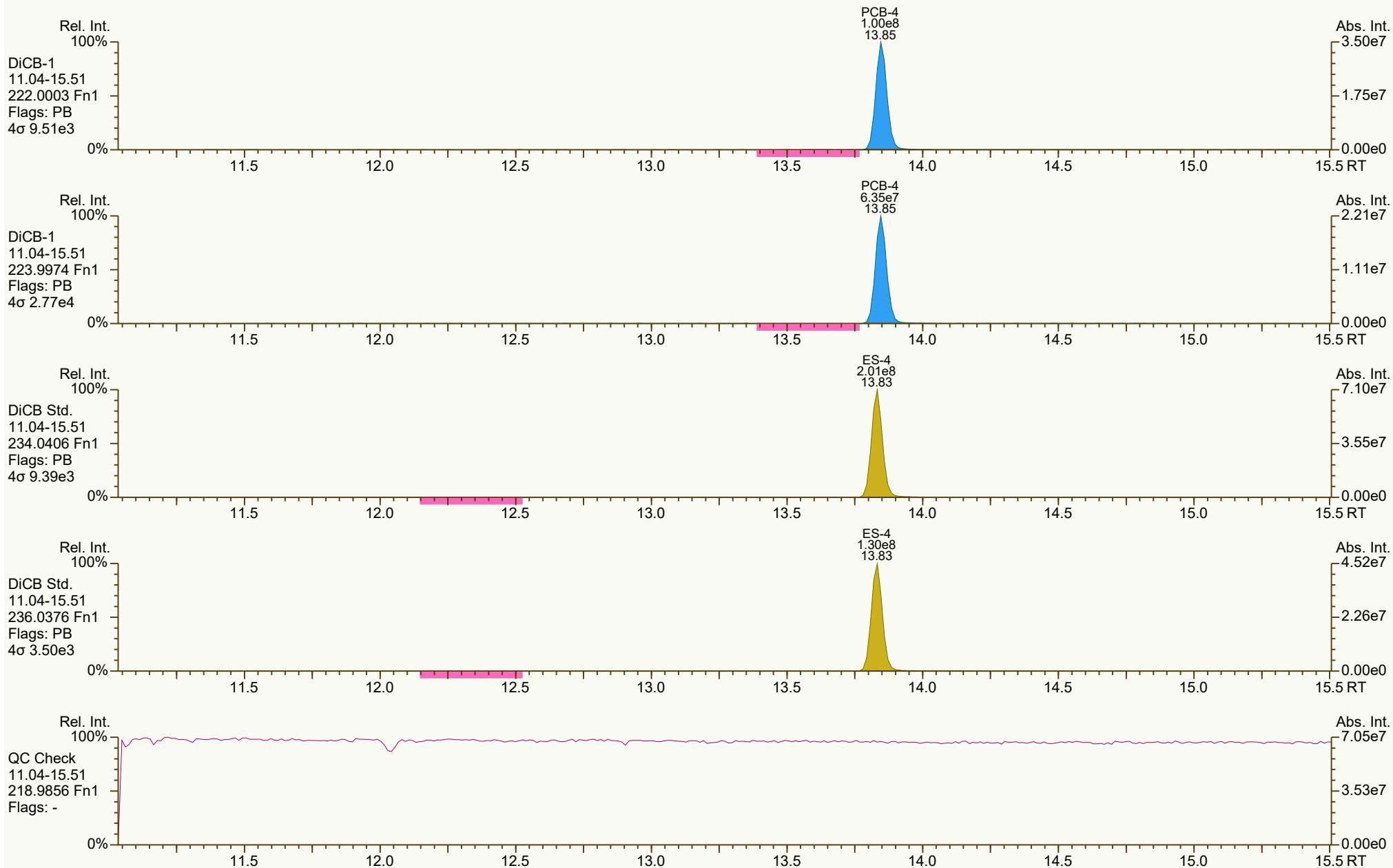
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5731, 6266 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 2 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



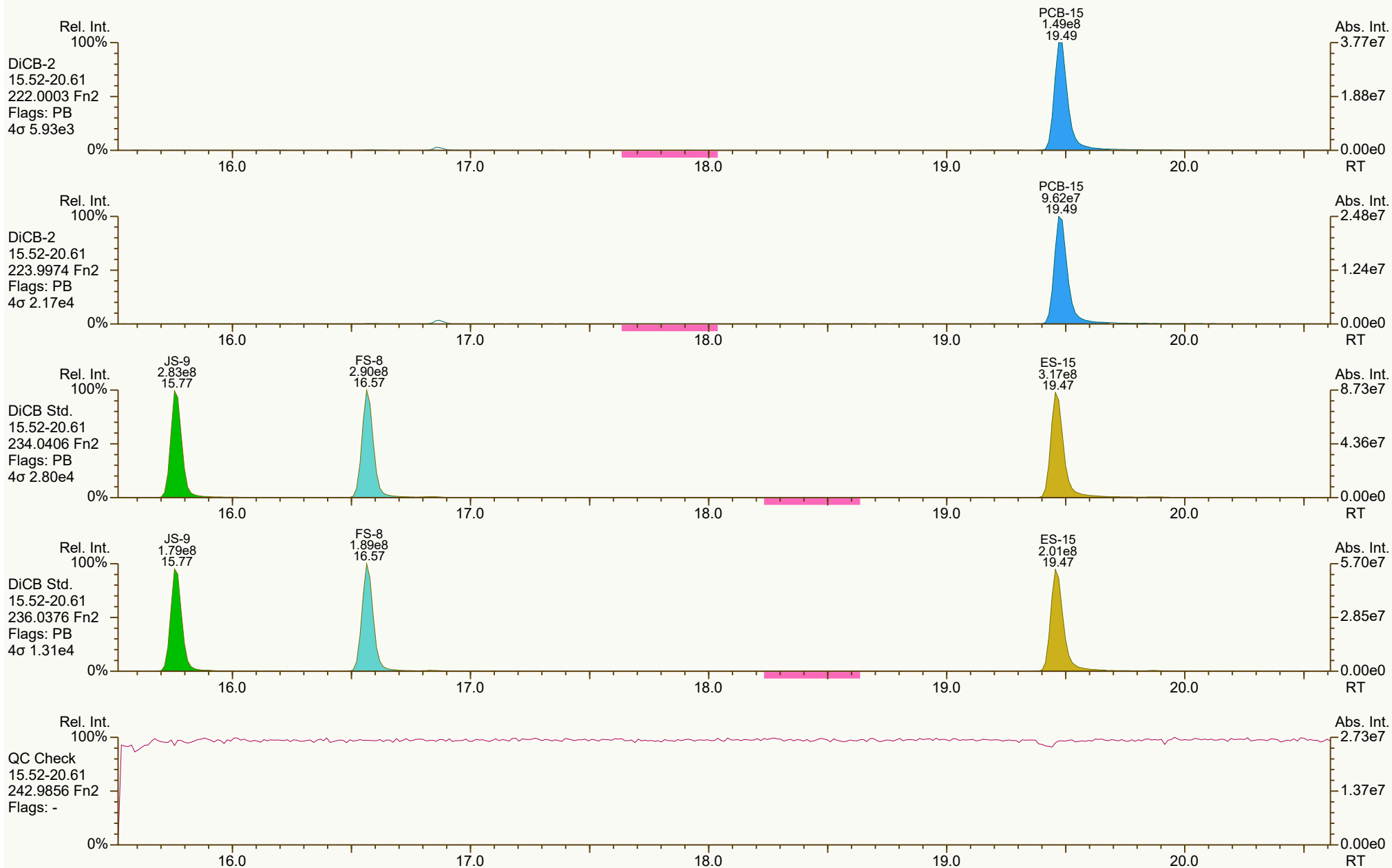
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ\USPF2H8K1K cc: 3527, 3152 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 3 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

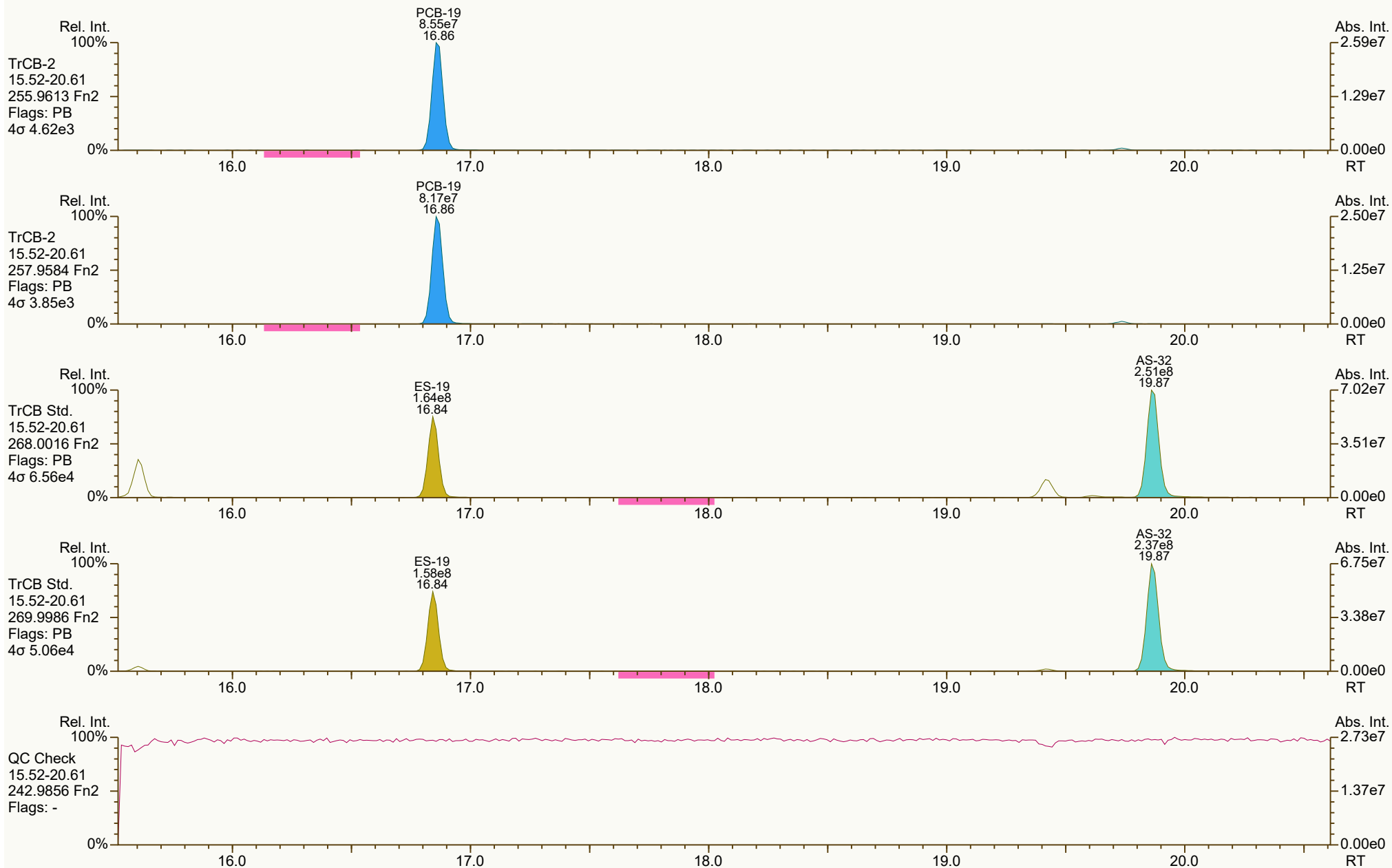
Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



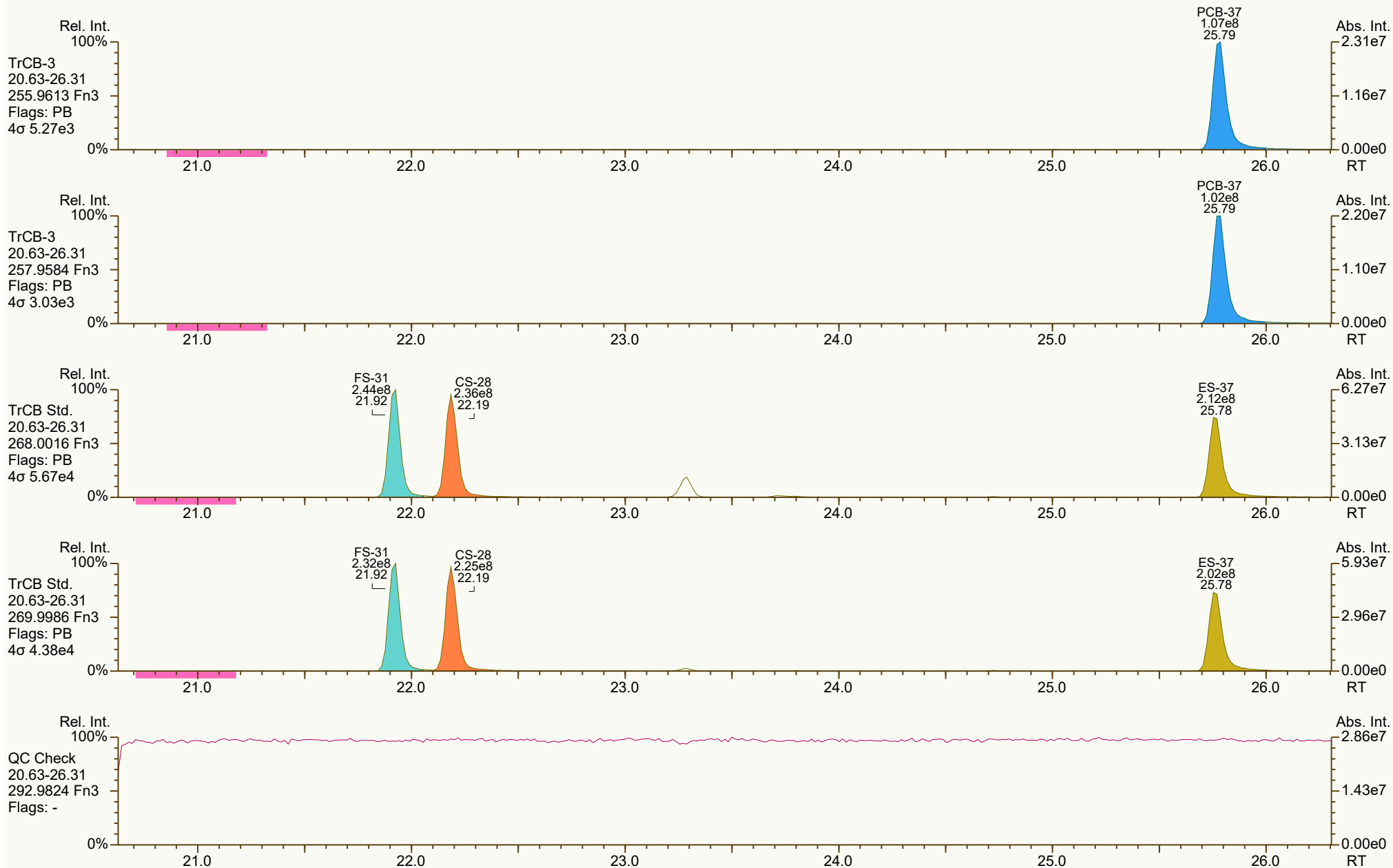
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5053, 5698 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 5 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4667, 7689 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 6 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2240, 2706 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 7 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

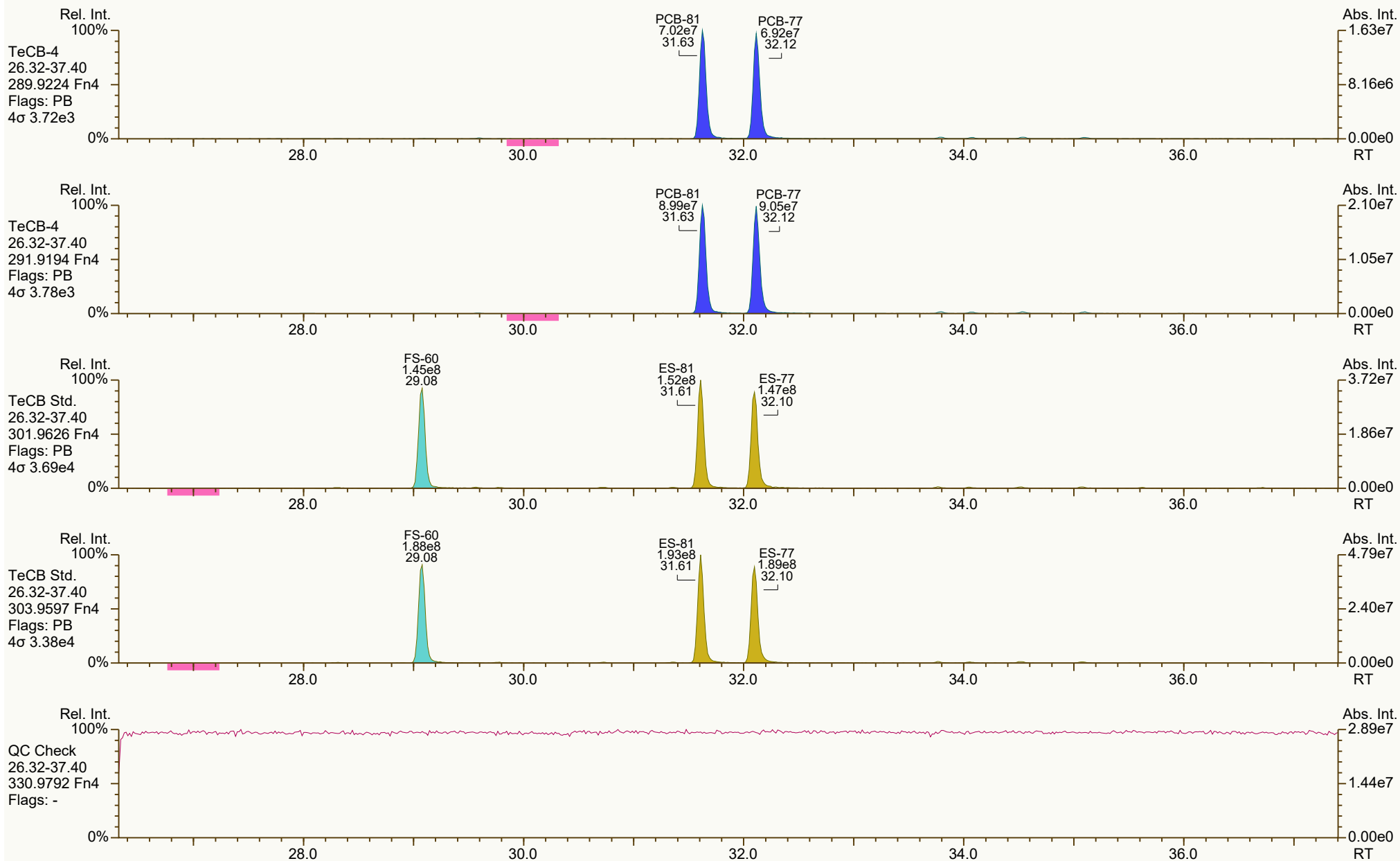
Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



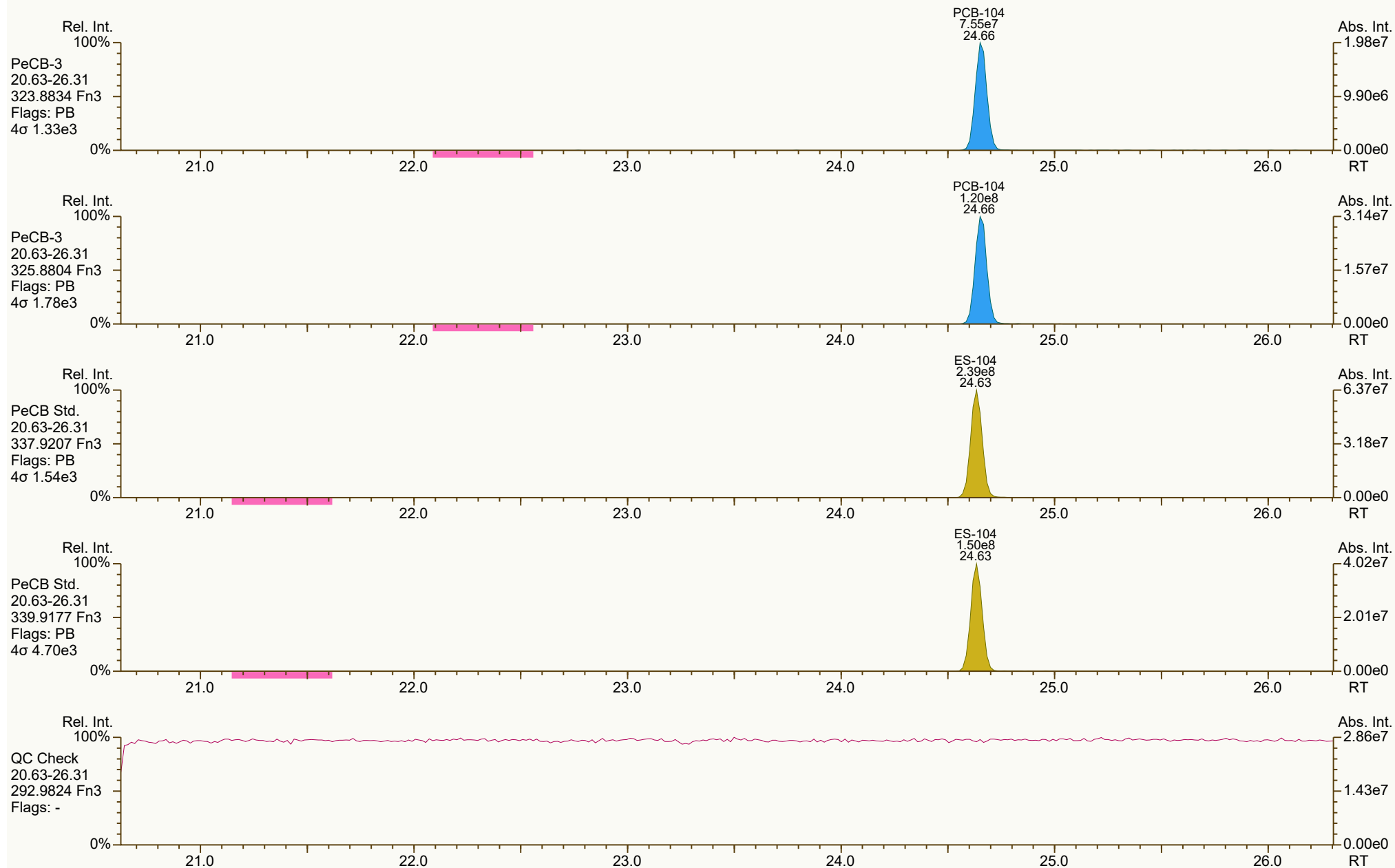
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0934, 6450 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 9 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

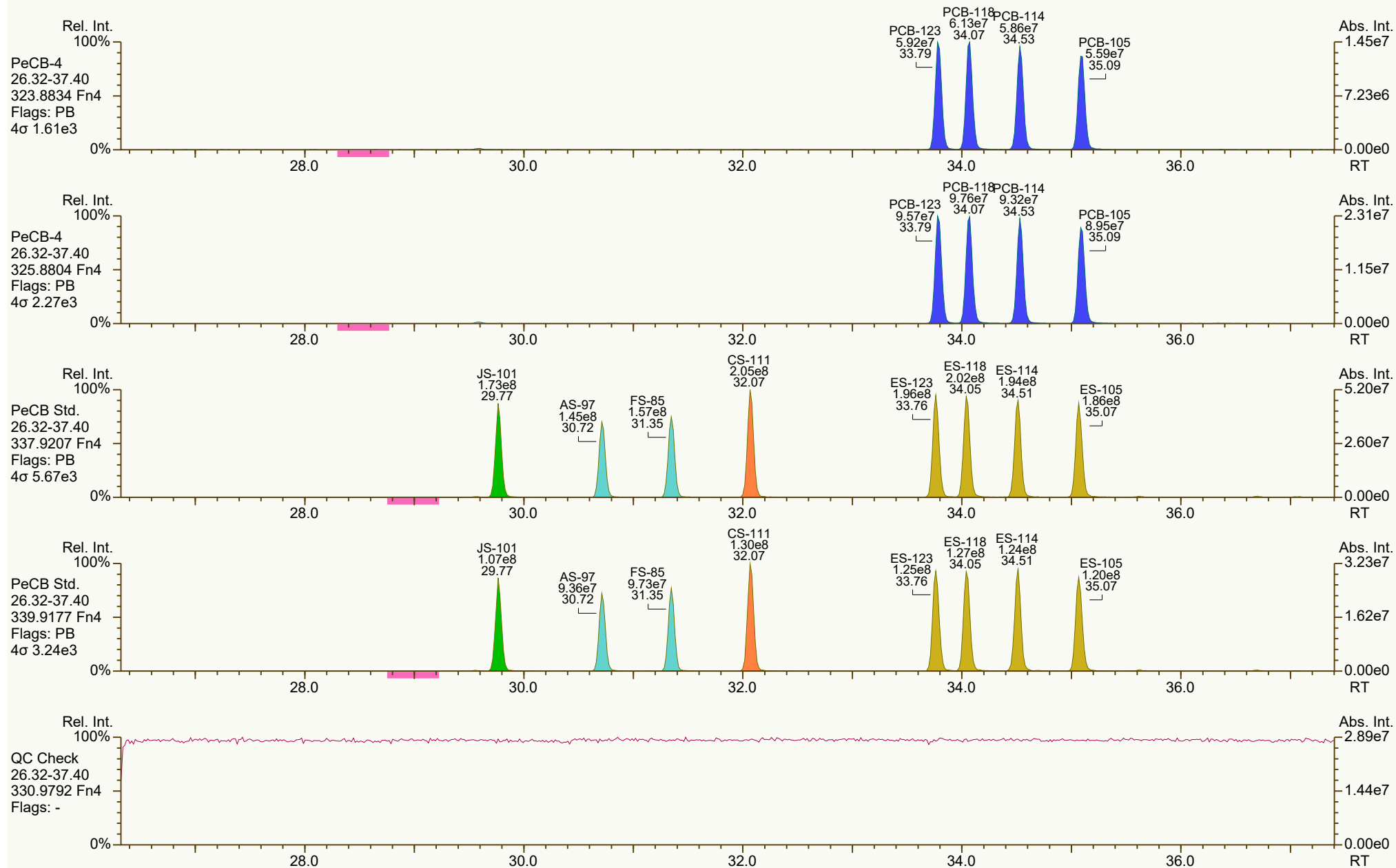
Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

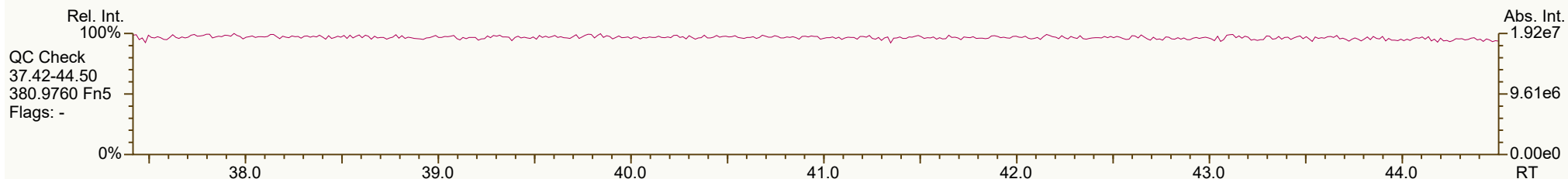
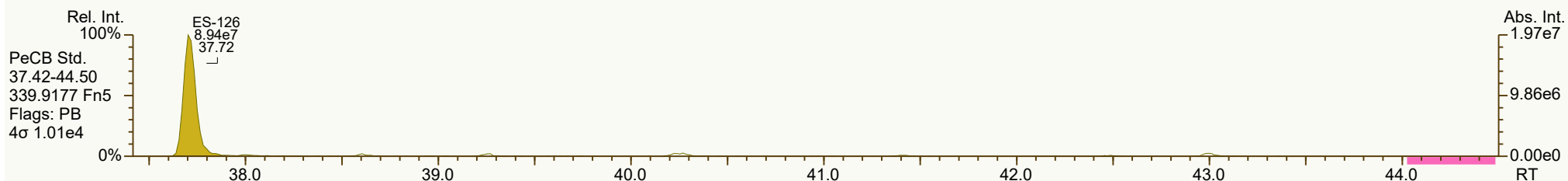
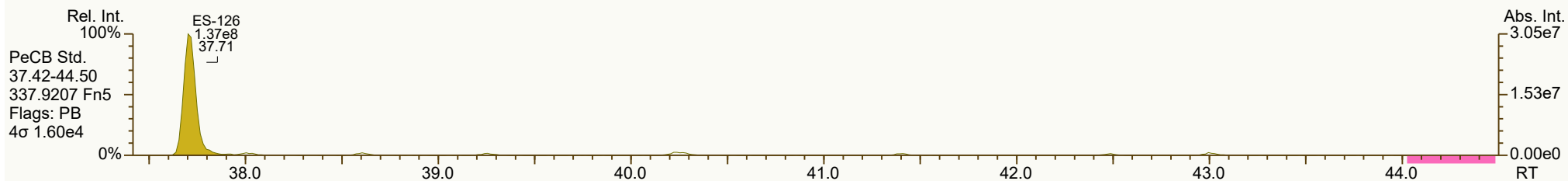
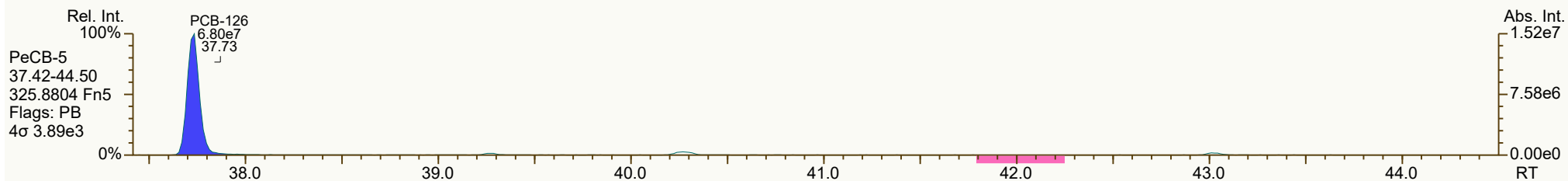
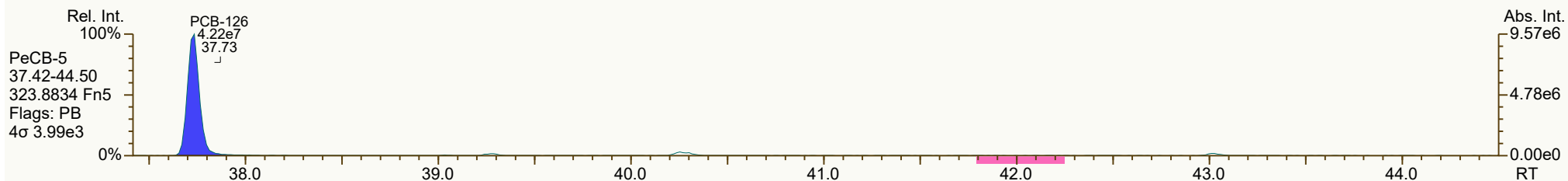
Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6847, 2498 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 12 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



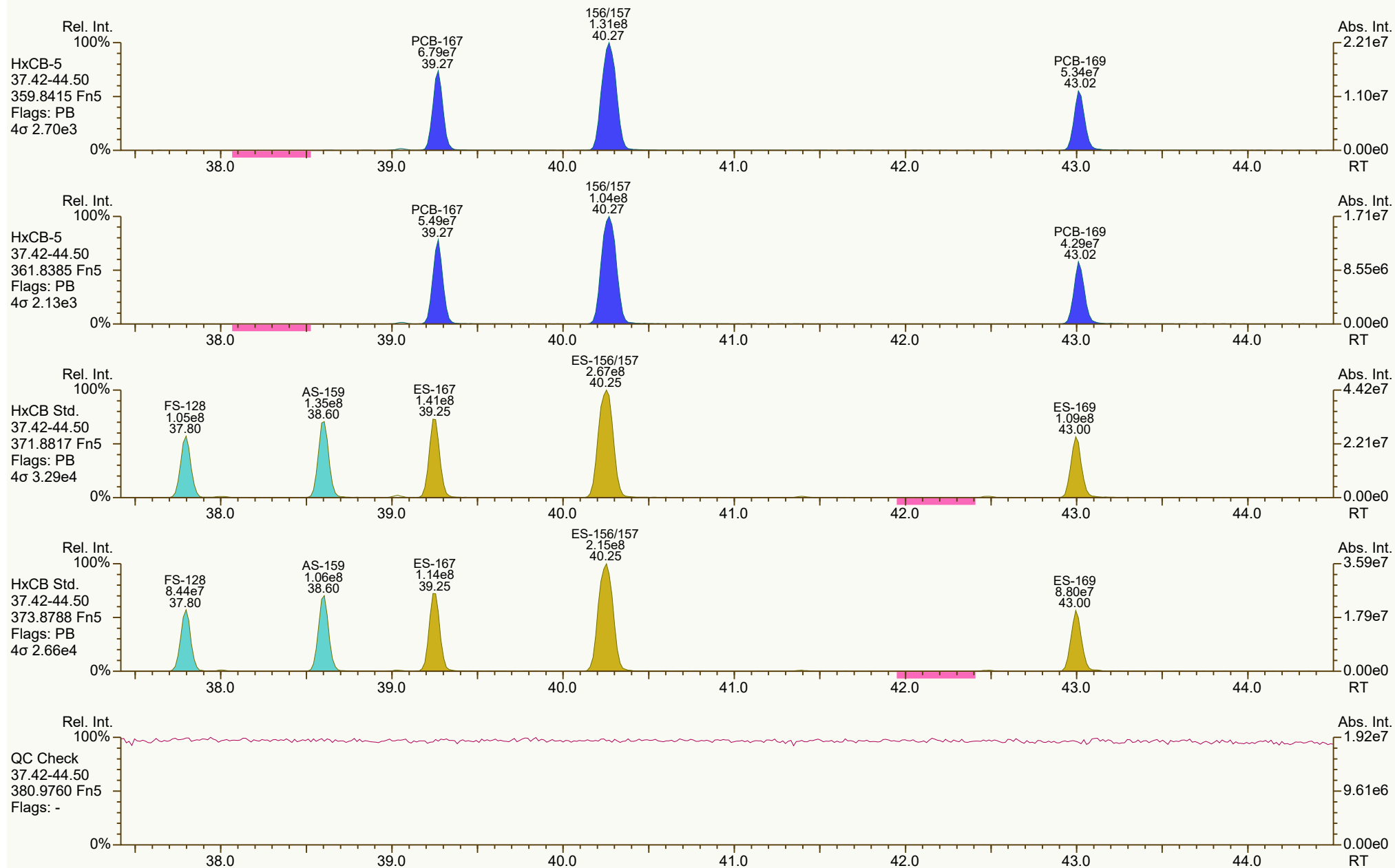
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6799, 7739 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:55 Page 13 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



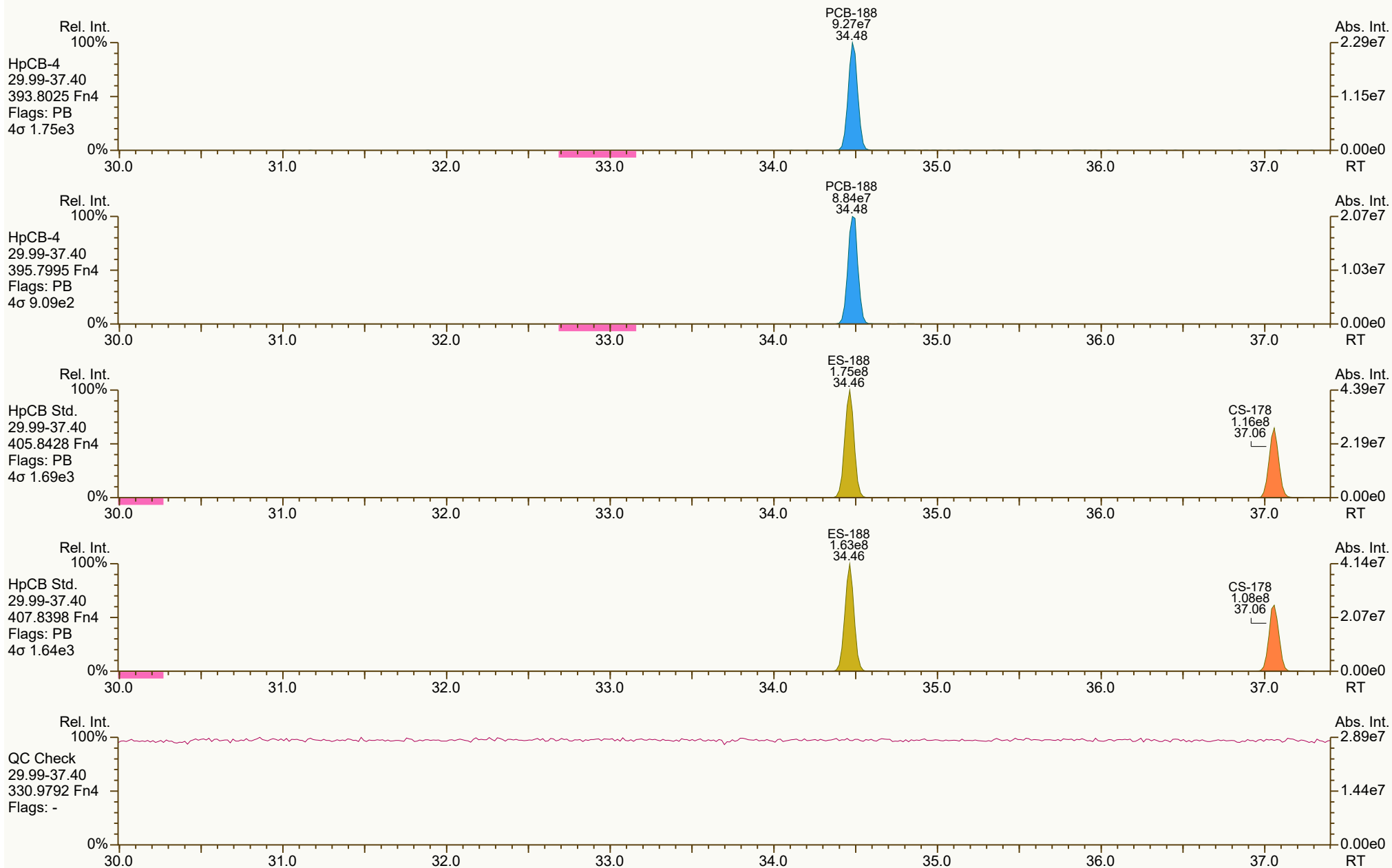
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2113, 9889 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:56 Page 14 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

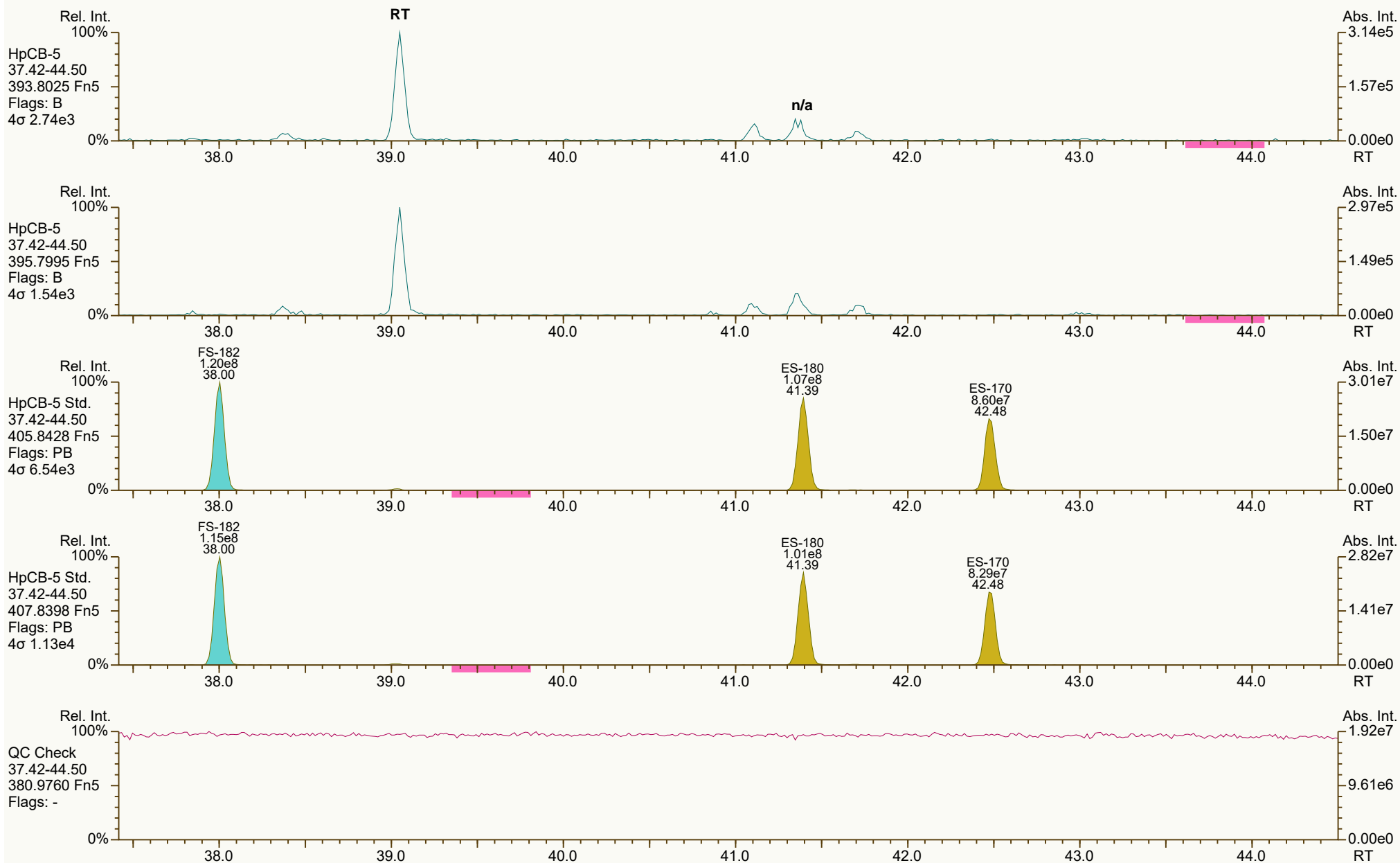
Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



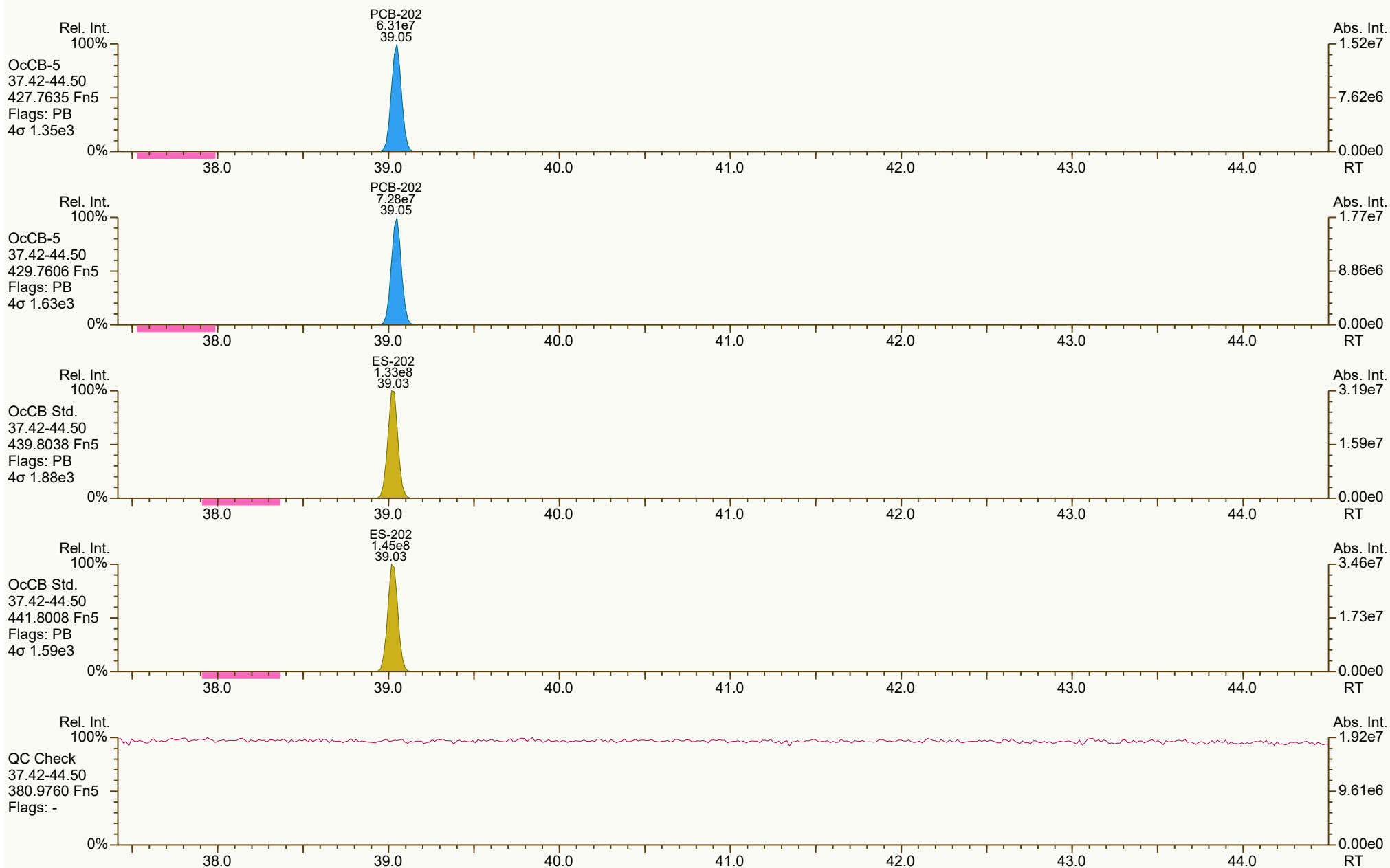
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8373, 2414 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:56 Page 17 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



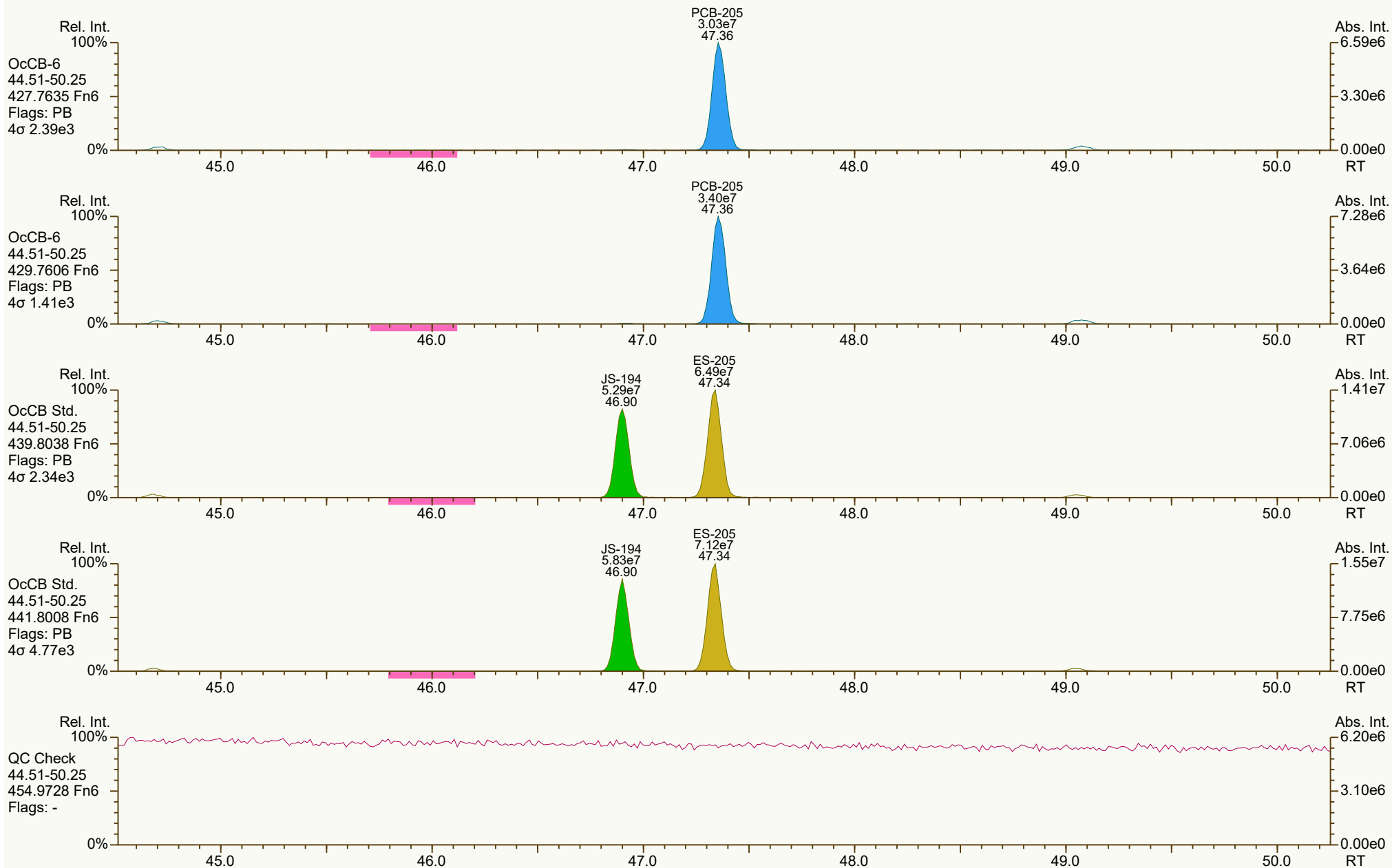
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1647, 4613 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:56 Page 18 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2630, 6064 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:56 Page 19 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



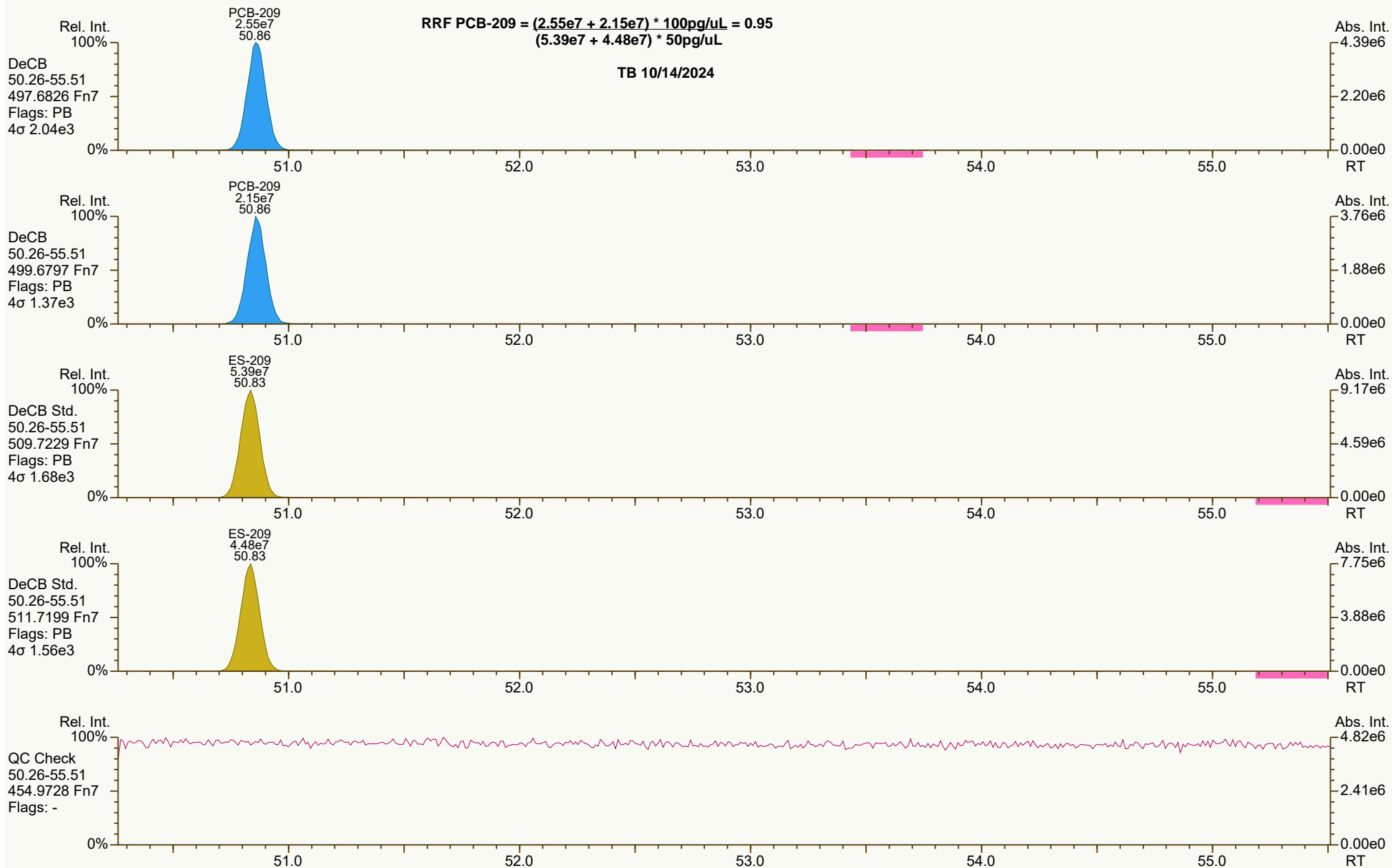
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1324, 6519 scc: 224-084

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:56 Page 20 of 21

SGS ID: CS3_241007_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 08-Oct-2024 03:22:57
User: JLJ Datafile: 241007B11



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BC.utp_res, saved 11-Oct-2024 12:38 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5917, 2219 scc: 224-084

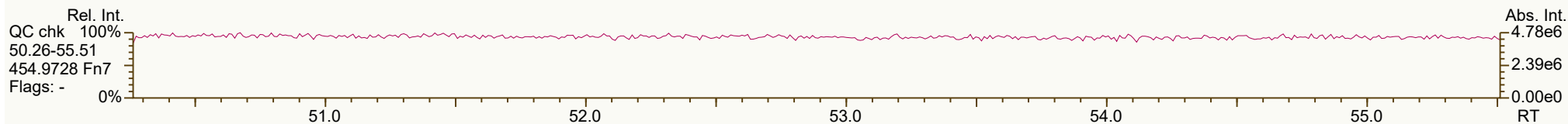
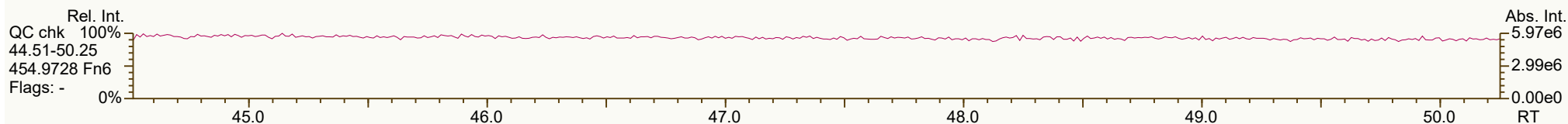
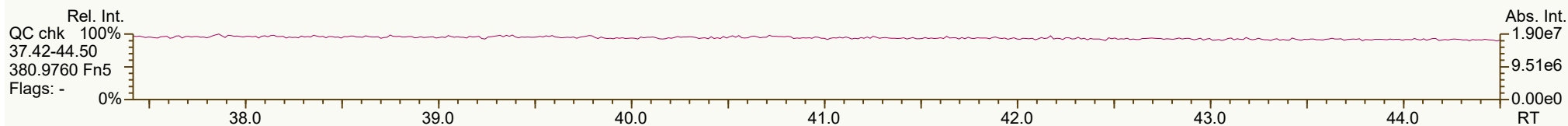
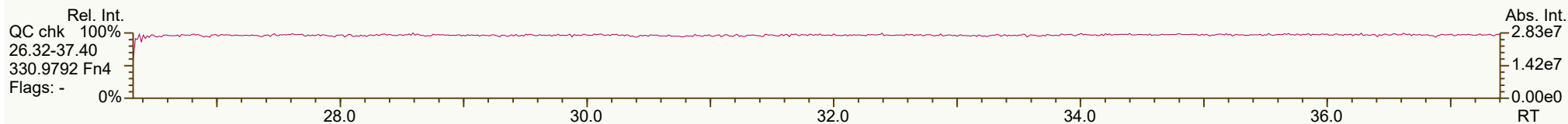
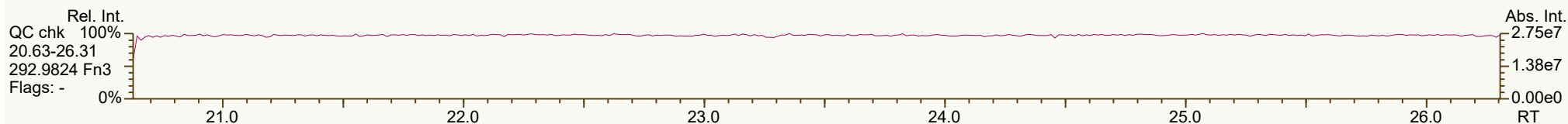
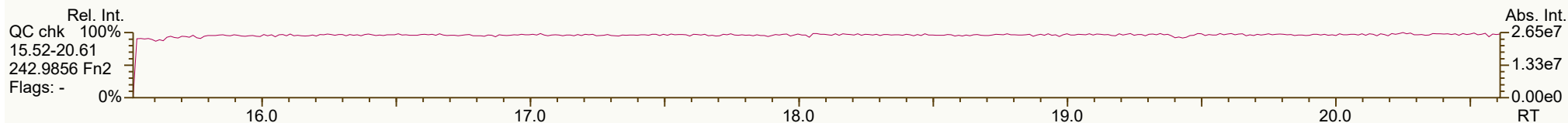
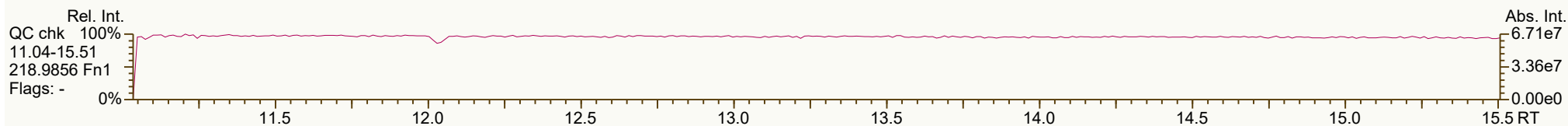
Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:46 Printed: 11-Oct-2024 12:56 Page 21 of 21

PCB QC Summary - Ax2 Detail		SGS North America		Printed: 11 Oct 2024 12:39		
Lab ID:	CS3_241007_PCB_BD					
Acquired:	08-OCT-2024 04:19		ICAL: HRMS2_PCB_03MAY2024			
Datafile:	241007B12					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-1 2-MoCB	11.39	2.73E+08	3.17 Y	1.01	-	-
PCB-2 3-MoCB	13.44	2.62E+08	3.11 Y		1.02	-
PCB-3 4-MoCB	13.61	2.74E+08	3.03 Y	1.01	-	-
PCB-4 22'-DiCB	13.85	1.92E+08	1.58 Y	0.98	-	-
PCB-10 26-DiCB	14.02	2.40E+08	1.58 Y		1.39	-
PCB-9 25-DiCB	15.78	2.51E+08	1.57 Y		0.90	-
PCB-7 24-DiCB	15.94	2.31E+08	1.56 Y		0.83	-
PCB-6 23'-DiCB	16.17	2.70E+08	1.55 Y		0.96	-
PCB-5 23-DiCB	16.46	2.21E+08	1.55 Y		0.79	-
PCB-8 24'-DiCB	16.58	2.90E+08	1.58 Y		1.04	-
PCB-14 35-DiCB	18.12	2.28E+08	1.58 Y		0.81	-
PCB-11 33'-DiCB	18.90	2.51E+08	1.59 Y		0.90	-
PCB-13/12 34'/34-DiCB	19.19	4.60E+08	1.53 Y		0.82	-
PCB-15 44'-DiCB	19.48	2.61E+08	1.55 Y	0.97	-	-
PCB-19 22'6-TrCB	16.86	1.92E+08	1.04 Y	1.03	-	-
PCB-30/18 246/22'5-TrCB	18.58	5.06E+08	1.06 Y		1.48	-
PCB-17 22'4-TrCB	18.98	1.76E+08	1.04 Y		1.03	-
PCB-27 23'6-TrCB	19.18	2.43E+08	1.03 Y		1.42	-
PCB-24 236-TrCB	19.31	2.45E+08	1.02 Y		1.43	-
PCB-16 22'3-TrCB	19.41	1.76E+08	1.04 Y		1.03	-
PCB-32 24'6-TrCB	19.88	2.73E+08	1.05 Y		1.59	-
PCB-34 23'5'-TrCB	21.02	2.16E+08	1.05 Y		0.95	-
PCB-23 235-TrCB	21.16	2.21E+08	1.03 Y		0.97	-
PCB-26/29 23'5/245-TrCB	21.45	4.36E+08	1.04 Y		0.96	-
PCB-25 23'4-TrCB	21.66	2.70E+08	1.05 Y		1.19	-
PCB-31 24'5-TrCB	21.94	2.62E+08	1.02 Y		1.16	-
PCB-28/20 244'/233'-TrCB	22.22	4.79E+08	1.05 Y		1.06	-
PCB-21/33 234/23'4'-TrCB	22.39	4.71E+08	1.04 Y		1.04	-
PCB-22 234'-TrCB	22.78	2.52E+08	1.02 Y		1.11	-
PCB-36 33'5-TrCB	24.16	2.61E+08	1.06 Y		1.15	-
PCB-39 34'5-TrCB	24.48	2.32E+08	1.04 Y		1.02	-
PCB-38 345-TrCB	25.00	2.39E+08	1.04 Y		1.05	-
PCB-35 33'4-TrCB	25.42	2.24E+08	1.04 Y		0.99	-
PCB-37 344'-TrCB	25.78	2.24E+08	1.04 Y	1.03	-	-
PCB-54 22'66'-TeCB	19.73	2.21E+08	0.78 Y	1.09	-	-
PCB-50/53 22'46/22'56'-TeCB	21.69	3.54E+08	0.79 Y		0.93	-
PCB-45 22'36'-TeCB	22.28	1.50E+08	0.77 Y		0.78	-
PCB-51 22'46'-TeCB	22.35	1.79E+08	0.80 Y		0.94	-
PCB-46 22'36'-TeCB	22.57	1.42E+08	0.78 Y		0.74	-
PCB-52 22'55'-TeCB	23.82	1.96E+08	0.77 Y		1.02	-
PCB-73 23'5'6'-TeCB	23.94	2.43E+08	0.77 Y		1.27	-
PCB-43 22'35'-TeCB	24.03	1.73E+08	0.77 Y		0.91	-

PCB QC Summary - Ax2 Detail		SGS North America		Printed: 11 Oct 2024 12:39		
Lab ID:	CS3_241007_PCB_BD					
Acquired:	08-OCT-2024 04:19		ICAL: HRMS2_PCB_03MAY2024			
Datafile:	241007B12					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-69/49 23'46/22'45'-TeCB	24.22	4.05E+08	0.79 Y		1.06	-
PCB-48 22'45'-TeCB	24.50	1.69E+08	0.79 Y		0.89	-
PCB-44/47/65 ...-TeCB	24.72	5.83E+08	0.79 Y		1.02	-
PCB-59/62/75 ...-TeCB	24.99	6.69E+08	0.77 Y		1.17	-
PCB-42 22'34'-TeCB	25.17	1.53E+08	0.77 Y		0.80	-
PCB-41 22'34'-TeCB	25.50	1.36E+08	0.76 Y		0.71	-
PCB-71/40 23'4'6/22'33'-TeCB	25.60	3.74E+08	0.78 Y		0.98	-
PCB-64 234'6'-TeCB	25.80	2.29E+08	0.78 Y		1.20	-
PCB-72 23'55'-TeCB	26.51	2.03E+08	0.76 Y		1.06	-
PCB-68 23'45'-TeCB	26.77	1.87E+08	0.78 Y		0.98	-
PCB-57 233'5'-TeCB	27.14	1.93E+08	0.77 Y		1.01	-
PCB-58 233'5'-TeCB	27.35	2.13E+08	0.77 Y		1.12	-
PCB-67 23'45'-TeCB	27.50	2.25E+08	0.77 Y		1.18	-
PCB-63 234'5'-TeCB	27.73	1.74E+08	0.76 Y		0.91	-
PCB-61/70/74/76 ...-TeCB	28.02	8.02E+08	0.78 Y		1.05	-
PCB-66 23'44'-TeCB	28.31	2.00E+08	0.76 Y		1.04	-
PCB-55 233'4'-TeCB	28.46	2.10E+08	0.76 Y		1.10	-
PCB-56 233'4'-TeCB	28.90	1.96E+08	0.79 Y		1.02	-
PCB-60 2344'-TeCB	29.09	1.69E+08	0.78 Y		0.88	-
PCB-80 33'55'-TeCB	29.41	1.94E+08	0.77 Y		1.02	-
PCB-79 33'45'-TeCB	30.76	2.20E+08	0.78 Y		1.15	-
PCB-78 33'45'-TeCB	31.24	1.76E+08	0.75 Y		0.92	-
PCB-104 22'466'-PeCB	24.65	1.86E+08	0.62 Y	1.00	-	-
PCB-96 22'366'-PeCB	24.99	2.06E+08	0.62 Y		0.97	-
PCB-103 22'45'6'-PeCB	26.67	1.35E+08	0.60 Y		0.76	-
PCB-94 22'356'-PeCB	26.86	1.13E+08	0.61 Y		0.64	-
PCB-95 22'35'6'-PeCB	27.26	1.29E+08	0.61 Y		0.72	-
PCB-100/93 22'44'6/22'356'-PeCB	27.45	2.55E+08	0.62 Y		0.72	-
PCB-102 22'456'-PeCB	27.56	1.49E+08	0.62 Y		0.84	-
PCB-98 22'34'6'-PeCB	27.63	1.50E+08	0.61 Y		0.84	-
PCB-88 22'346'-PeCB	27.93	1.22E+08	0.62 Y		0.69	-
PCB-91 22'34'6'-PeCB	28.01	1.30E+08	0.62 Y		0.73	-
PCB-84 22'33'6'-PeCB	28.21	1.08E+08	0.61 Y		0.61	-
PCB-89 22'346'-PeCB	28.62	1.30E+08	0.61 Y		0.73	-
PCB-121 23'45'6'-PeCB	28.95	1.95E+08	0.62 Y		1.10	-
PCB-92 22'355'-PeCB	29.28	1.21E+08	0.61 Y		0.68	-
PCB-113/90/101 ...-PeCB	29.77	4.30E+08	0.62 Y		0.81	-
PCB-83 22'33'5'-PeCB	30.21	9.62E+07	0.60 Y		0.54	-
PCB-99 22'44'5'-PeCB	30.29	1.76E+08	0.61 Y		0.99	-
PCB-112 233'56'-PeCB	30.40	2.02E+08	0.61 Y		1.14	-
PCB-109/119/86/97/125...-PeCB	30.75	9.34E+08	0.62 Y		0.88	-
PCB-117 234'56'-PeCB	31.28	1.51E+08	0.63 Y		0.85	-

PCB QC Summary - Ax2 Detail		SGS North America		Printed: 11 Oct 2024 12:39		
Lab ID:	CS3_241007_PCB_BD					
Acquired:	08-OCT-2024 04:19		ICAL: HRMS2_PCB_03MAY2024			
Datafile:	241007B12					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-116/85 23456/22'344'-PeCB	31.37	2.98E+08	0.63 Y		0.84	-
PCB-110 233'4'6-PeCB	31.51	1.94E+08	0.62 Y		1.09	-
PCB-115 2344'6-PeCB	31.58	1.84E+08	0.62 Y		1.03	-
PCB-82 22'33'4-PeCB	31.79	1.23E+08	0.62 Y		0.69	-
PCB-111 233'55'-PeCB	32.09	1.69E+08	0.61 Y		0.95	-
PCB-120 23'455'-PeCB	32.49	2.04E+08	0.62 Y		1.15	-
PCB-108/124 ...-PeCB	33.48	3.24E+08	0.62 Y		0.91	-
PCB-107 233'4'5-PeCB	33.68	1.78E+08	0.62 Y		1.00	-
PCB-106 233'45-PeCB	33.90	1.69E+08	0.63 Y		0.95	-
PCB-122 233'4'5'-PeCB	34.37	1.33E+08	0.61 Y		0.76	-
PCB-127 33'455'-PeCB	36.33	1.59E+08	0.61 Y		0.96	-
PCB-155 22'44'66'-HxCB	29.58	1.82E+08	1.26 Y	0.95	-	-
PCB-152 22'3566'-HxCB	29.77	2.19E+08	1.24 Y		0.98	-
PCB-150 22'34'66'-HxCB	29.91	1.88E+08	1.25 Y		0.84	-
PCB-136 22'33'66'-HxCB	30.23	1.77E+08	1.26 Y		0.79	-
PCB-145 22'3466'-HxCB	30.49	2.04E+08	1.25 Y		0.91	-
PCB-148 22'34'56'-HxCB	31.76	1.43E+08	1.26 Y		0.91	-
PCB-151/135 ...-HxCB	32.30	2.78E+08	1.25 Y		0.89	-
PCB-154 22'44'56'-HxCB	32.49	1.49E+08	1.26 Y		0.95	-
PCB-144 22'345'6-HxCB	32.77	1.37E+08	1.25 Y		0.87	-
PCB-147/149 ...-HxCB	33.07	2.99E+08	1.26 Y		0.96	-
PCB-134 22'33'56-HxCB	33.25	1.11E+08	1.25 Y		0.71	-
PCB-143 22'3456'-HxCB	33.33	1.33E+08	1.25 Y		0.85	-
PCB-139/140 ...-HxCB	33.59	2.89E+08	1.26 Y		0.93	-
PCB-131 22'33'46-HxCB	33.77	1.26E+08	1.25 Y		0.80	-
PCB-142 22'3456-HxCB	33.91	1.22E+08	1.26 Y		0.78	-
PCB-132 22'33'46'-HxCB	34.16	1.26E+08	1.25 Y		0.81	-
PCB-133 22'33'55'-HxCB	34.56	1.41E+08	1.25 Y		0.90	-
PCB-165 233'55'6-HxCB	34.90	1.56E+08	1.25 Y		1.00	-
PCB-146 22'34'55'-HxCB	35.11	1.56E+08	1.24 Y		1.00	-
PCB-161 233'45'6-HxCB	35.23	1.86E+08	1.25 Y		1.19	-
PCB-153/168 ...-HxCB	35.65	3.39E+08	1.25 Y		1.09	-
PCB-141 22'3455'-HxCB	35.82	1.23E+08	1.24 Y		0.79	-
PCB-130 22'33'45'-HxCB	36.17	1.04E+08	1.24 Y		0.67	-
PCB-137 22'344'5-HxCB	36.35	1.12E+08	1.23 Y		0.71	-
PCB-164 233'4'5'6-HxCB	36.45	1.84E+08	1.25 Y		1.18	-
PCB-163/138/129 ...-HxCB	36.73	3.97E+08	1.25 Y		0.85	-
PCB-160 233'456-HxCB	36.87	1.56E+08	1.25 Y		1.00	-
PCB-158 233'44'6-HxCB	37.05	1.70E+08	1.25 Y		1.09	-
PCB-128/166 ...-HxCB	37.80	2.48E+08	1.25 Y		0.90	-
PCB-159 233'455'-HxCB	38.62	1.56E+08	1.24 Y		1.13	-
PCB-162 233'4'55'-HxCB	38.86	1.30E+08	1.26 Y		0.95	-

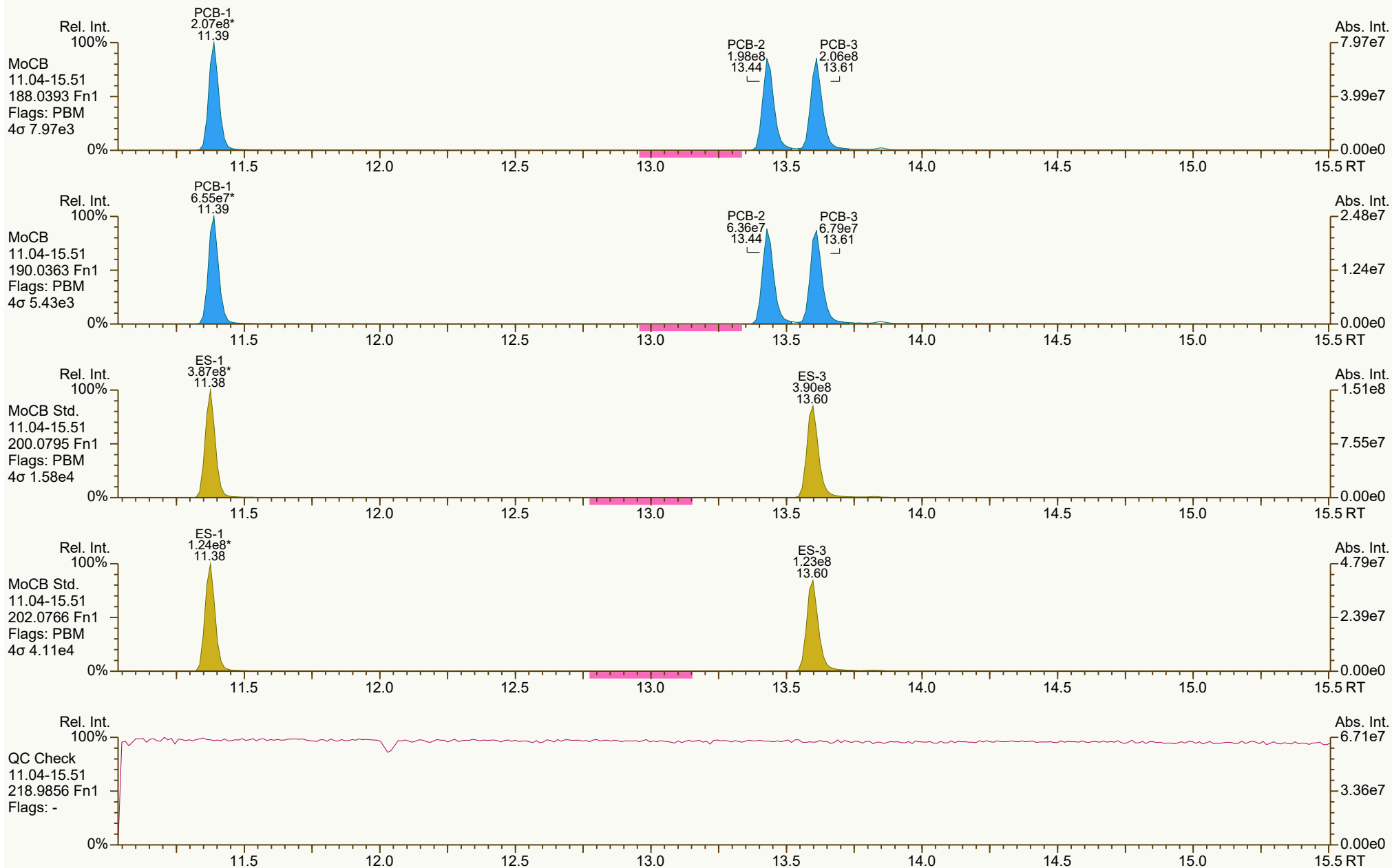
[illegible]



SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



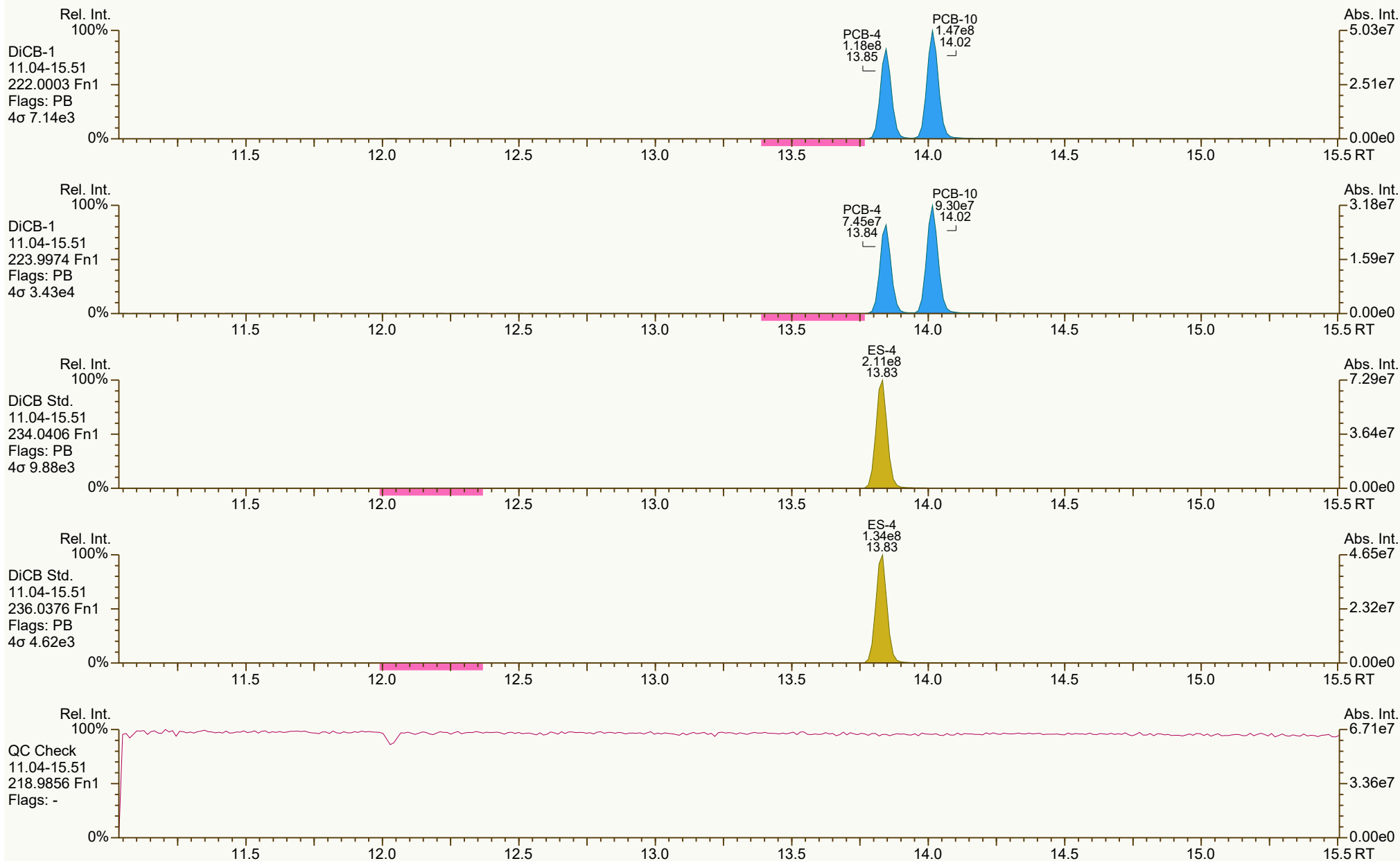
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ\USPF2H8K1K cc: 5041, 1610 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 2 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



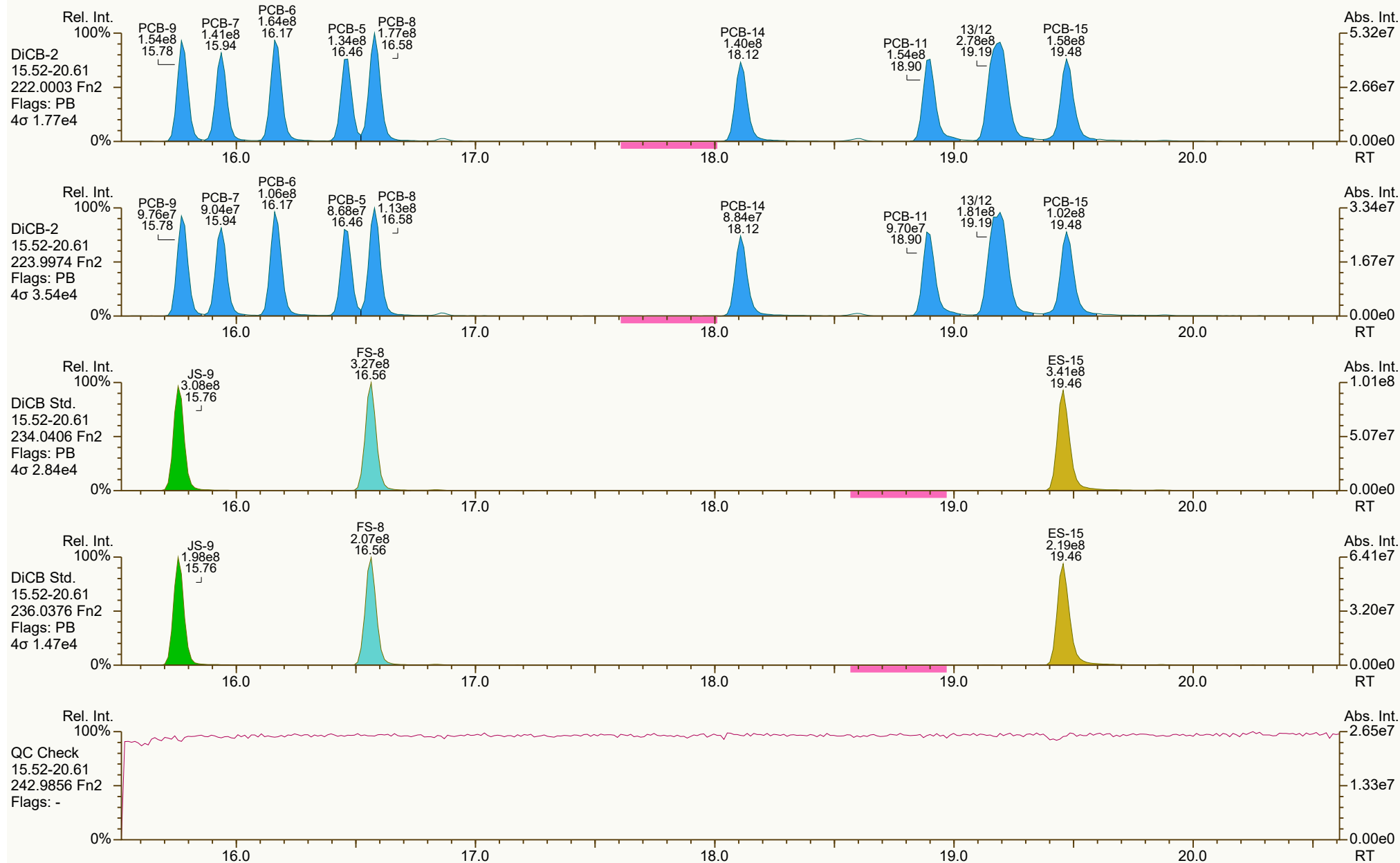
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6792, 1190 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 3 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



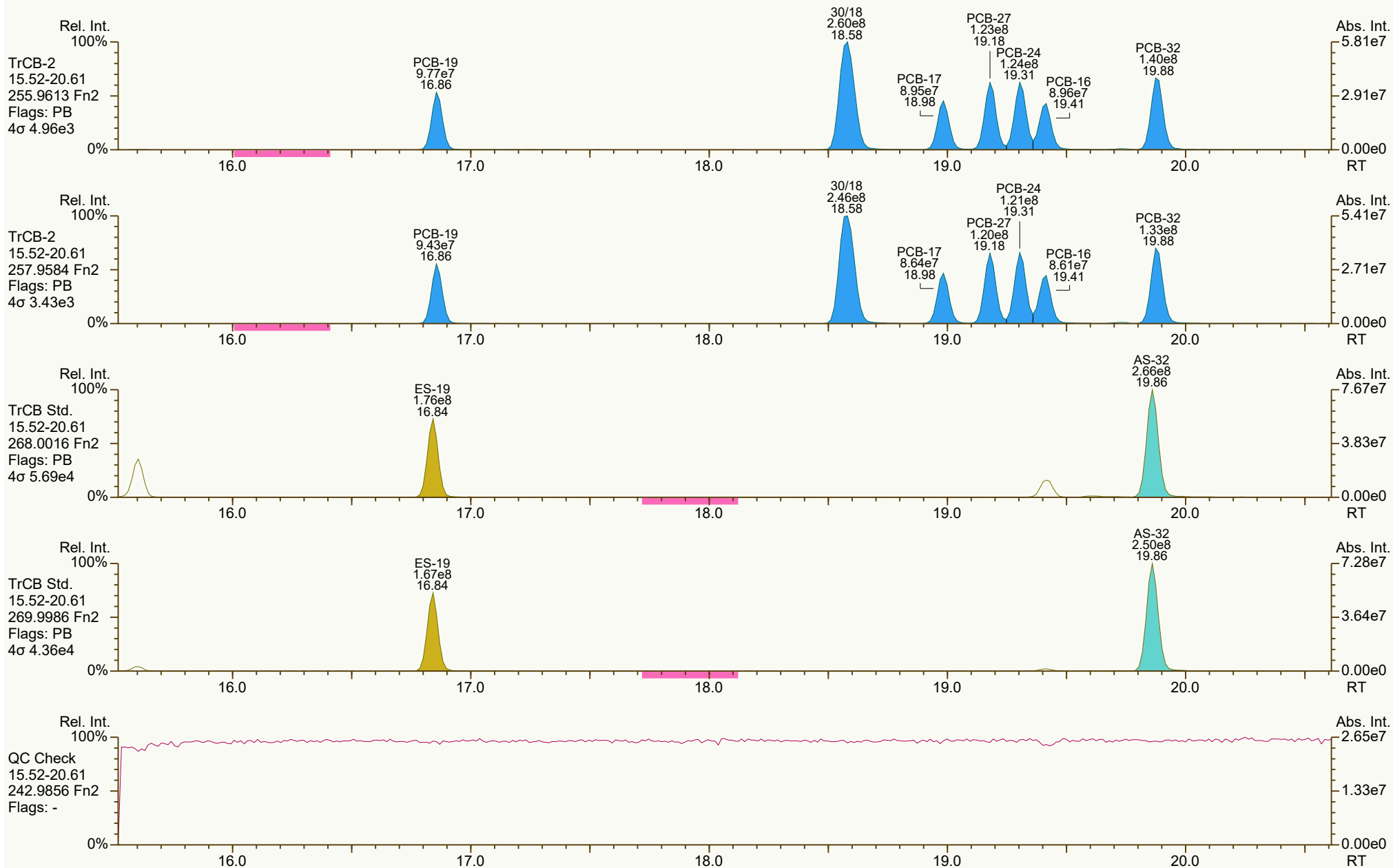
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2271, 3110 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 4 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



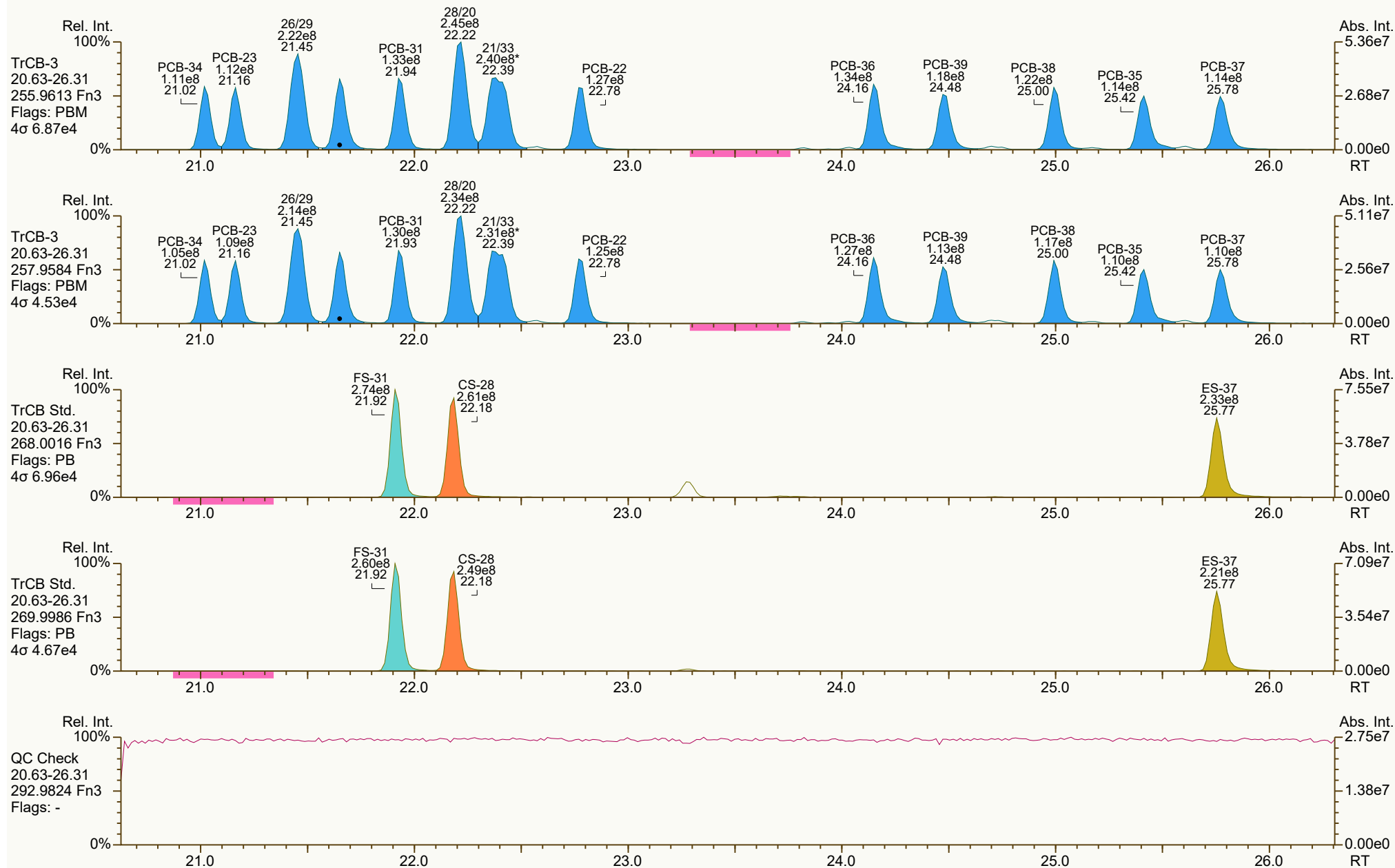
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4060, 4056 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 5 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5460, 3859 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 6 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



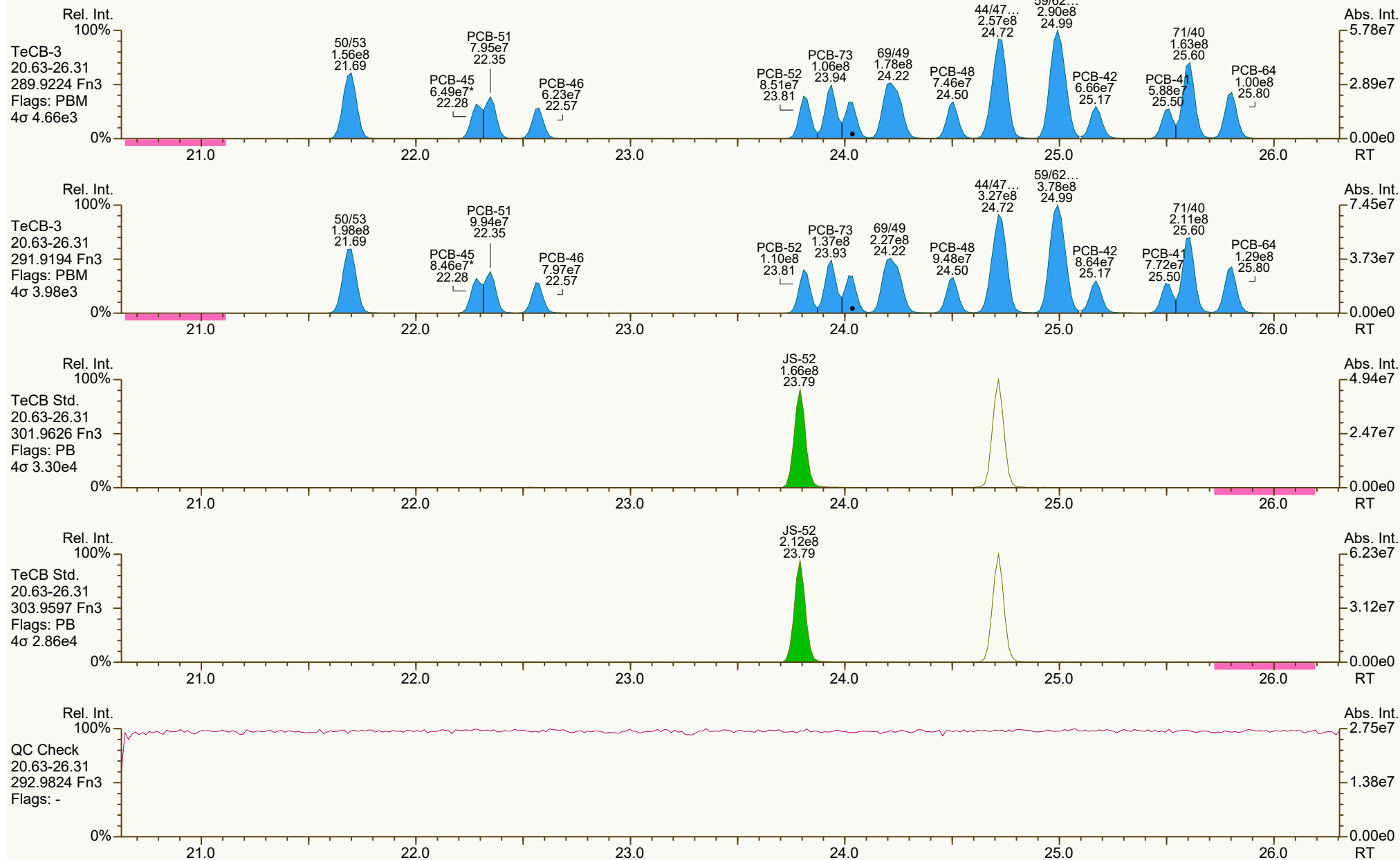
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9009, 1377 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 7 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



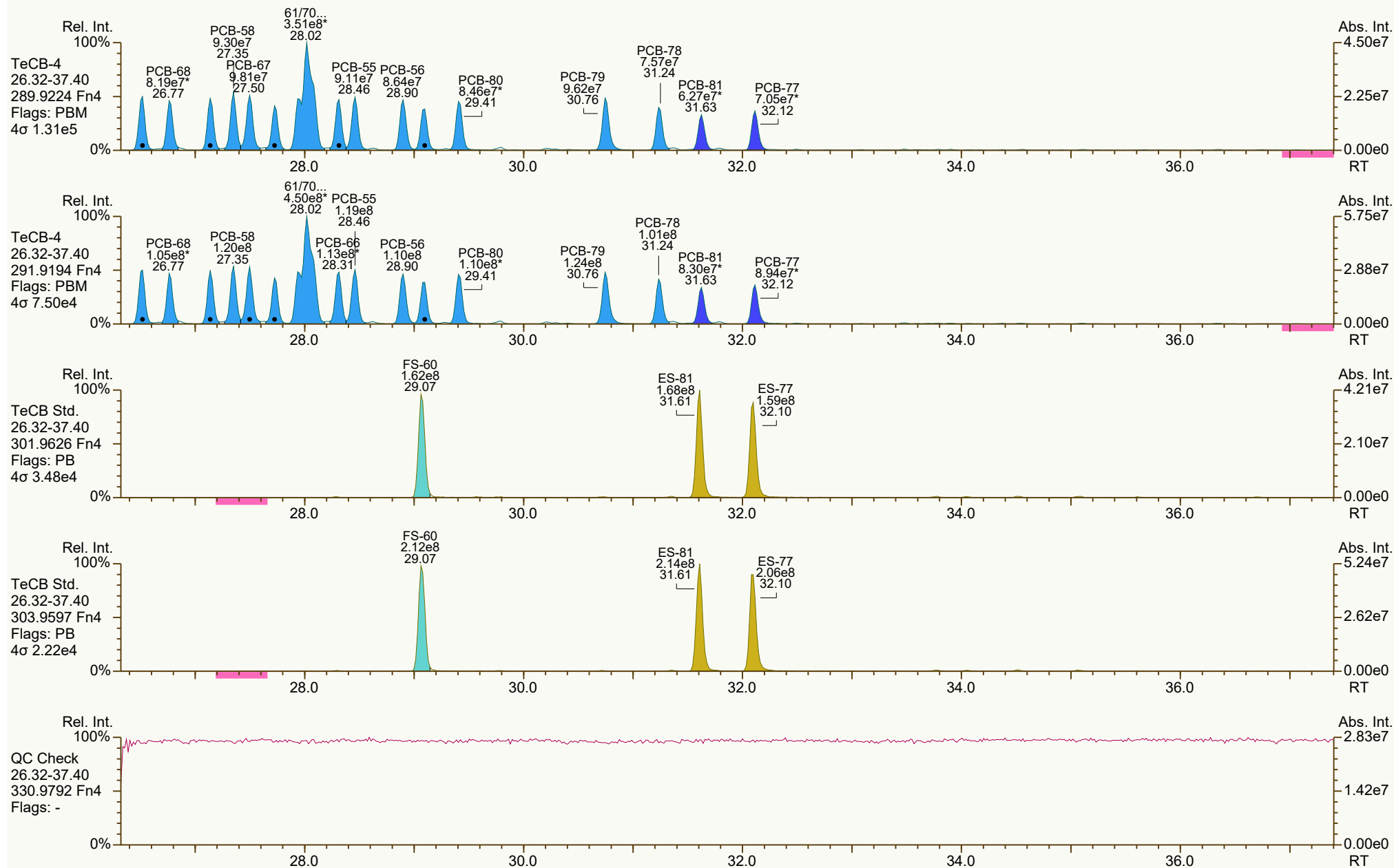
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8569, 4293 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 8 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5460, 4875 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 9 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



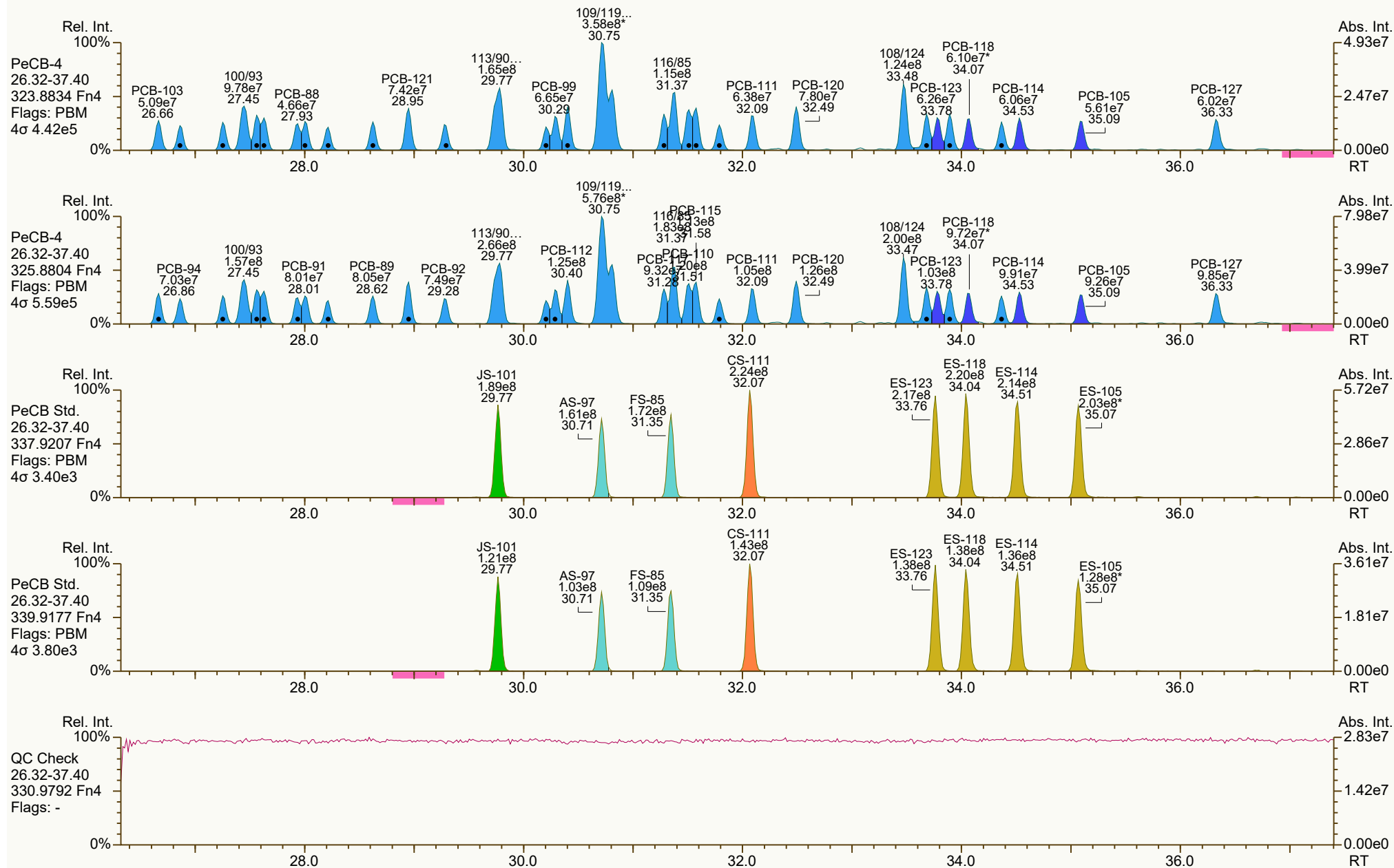
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1217, 2777 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 10 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5391, 7912 scc: 886-581

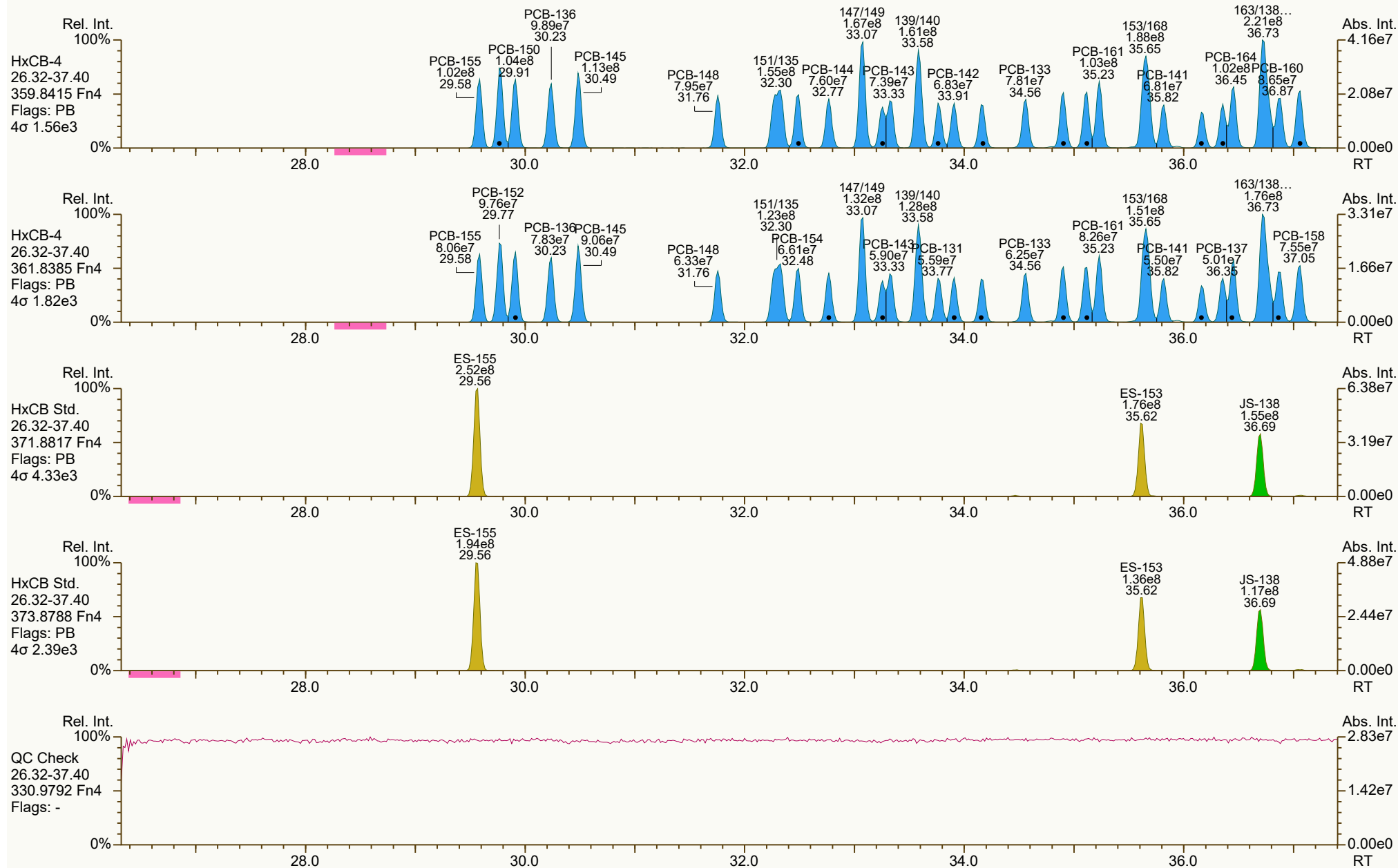
Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 11 of 21



SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



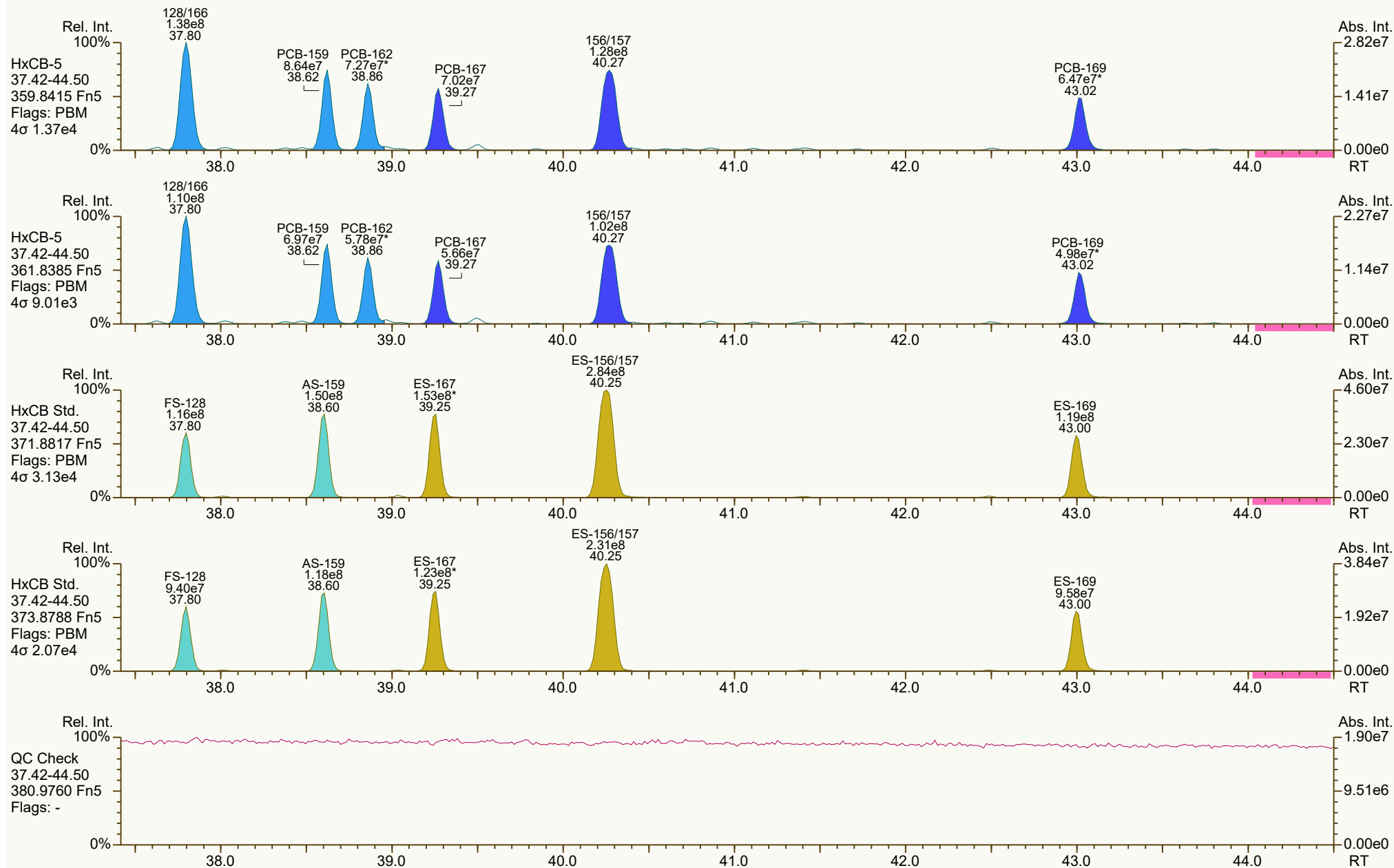
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1874, 2231 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 13 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



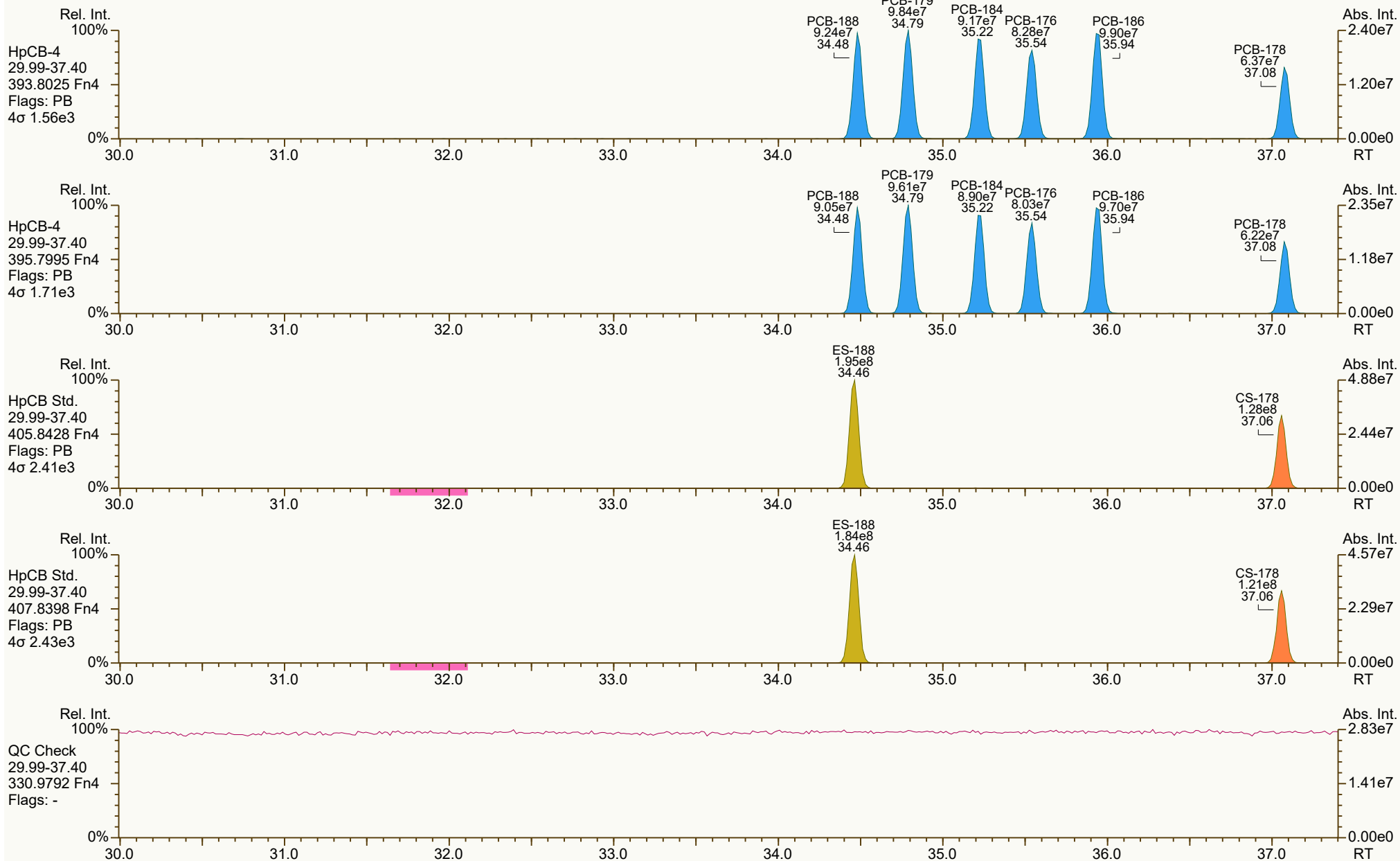
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3875, 1150 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 14 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



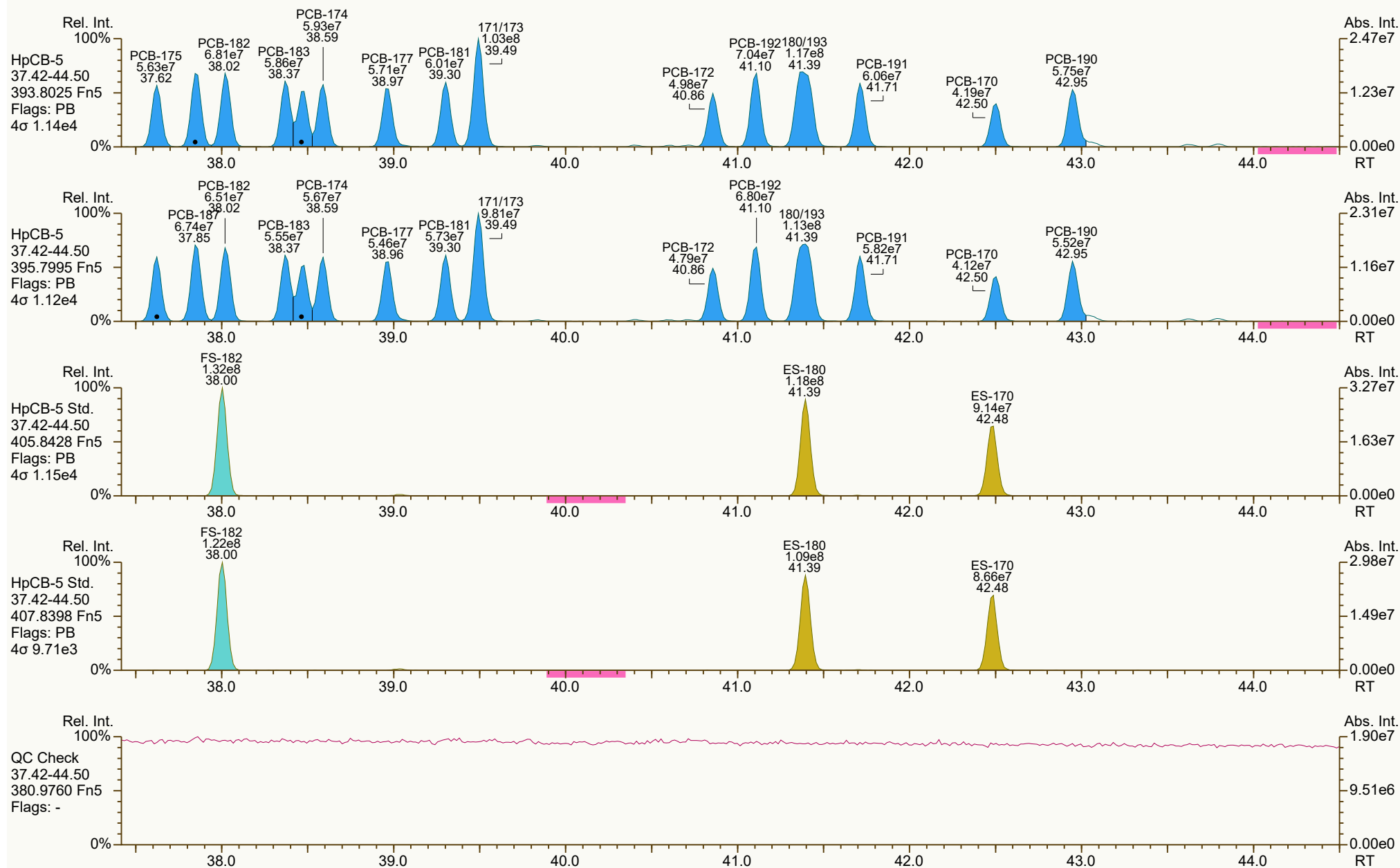
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7403, 6747 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 15 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6268, 5077 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 16 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



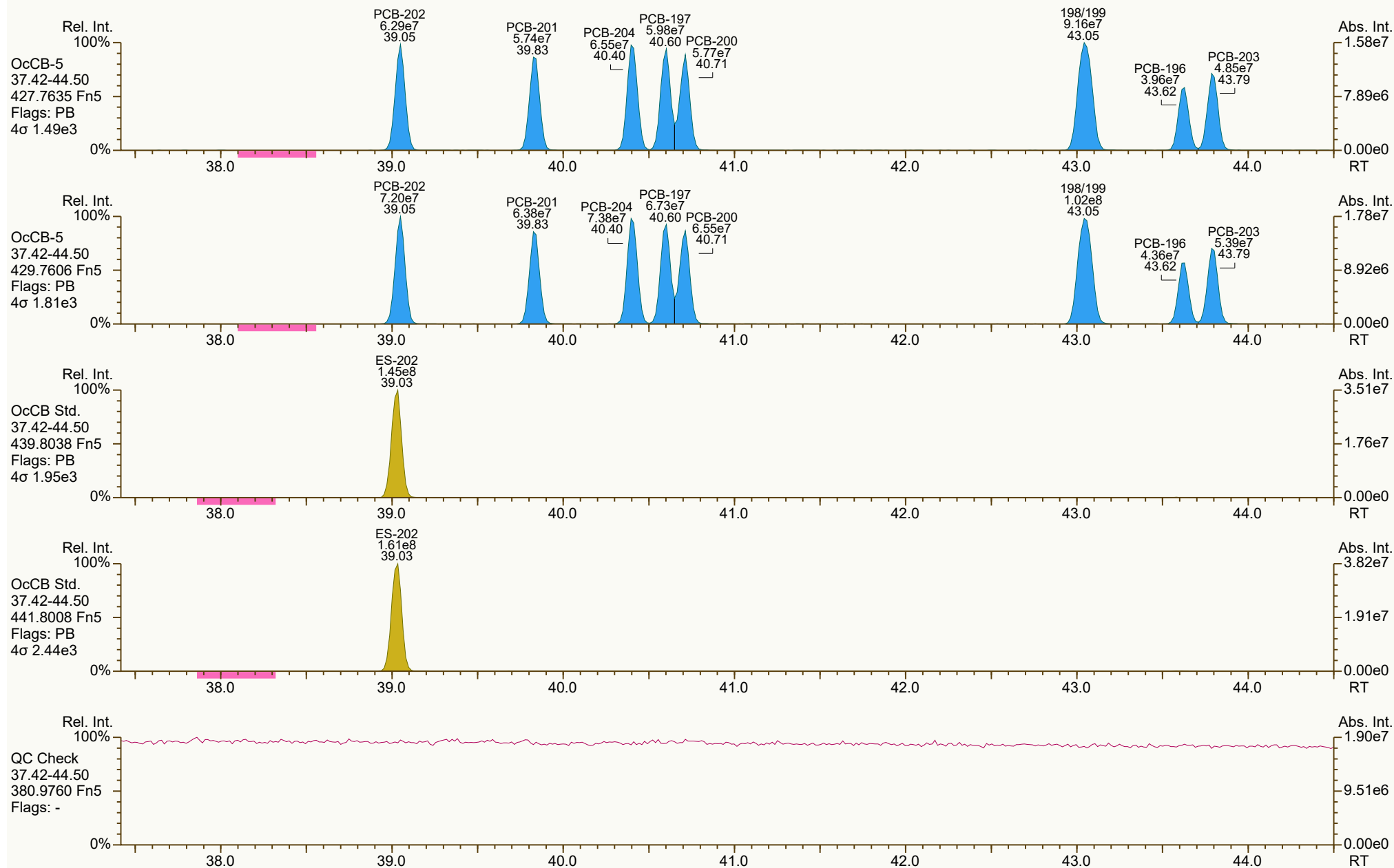
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9258, 0200 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 17 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



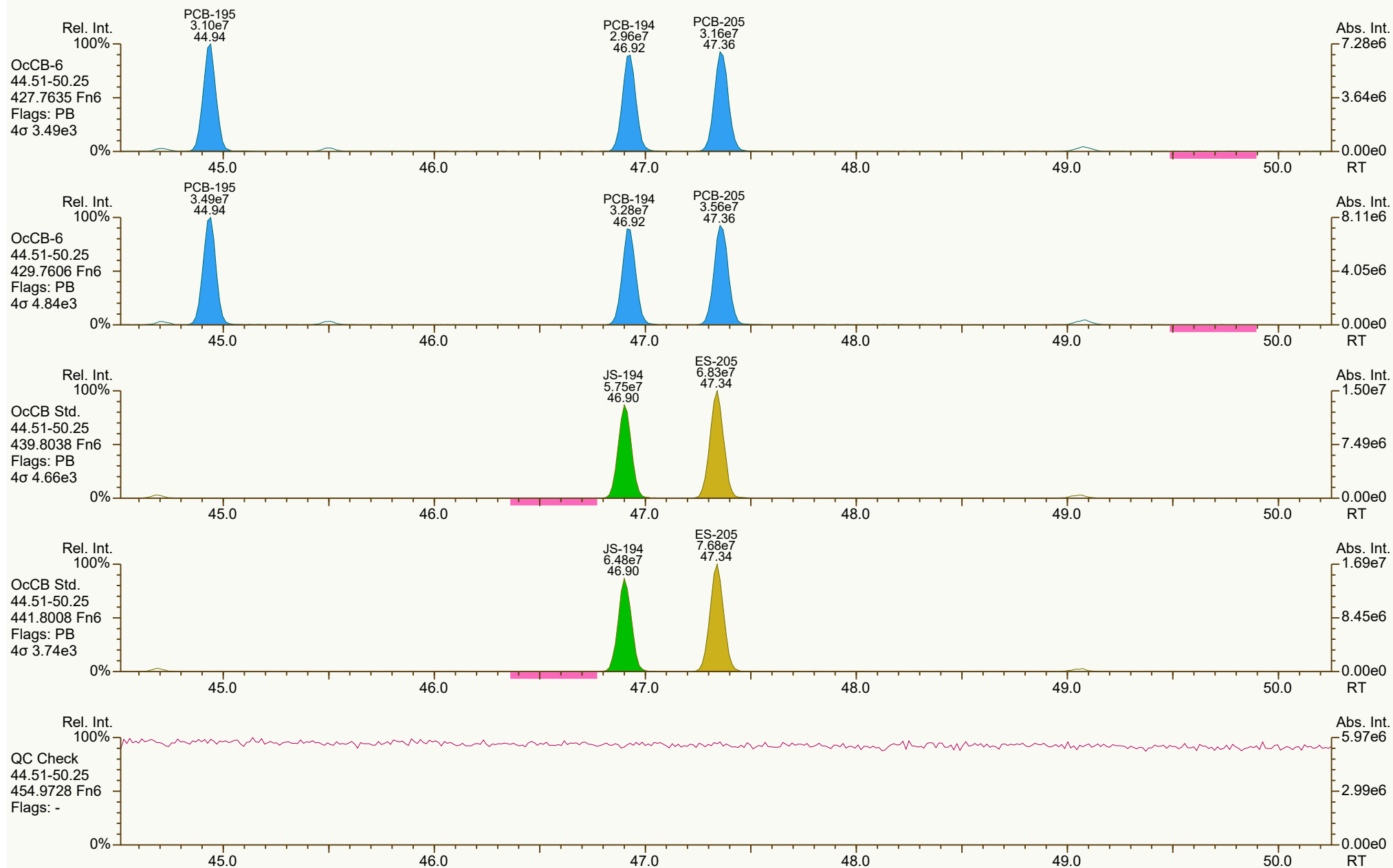
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6606, 8694 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 18 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8404, 0252 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 19 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



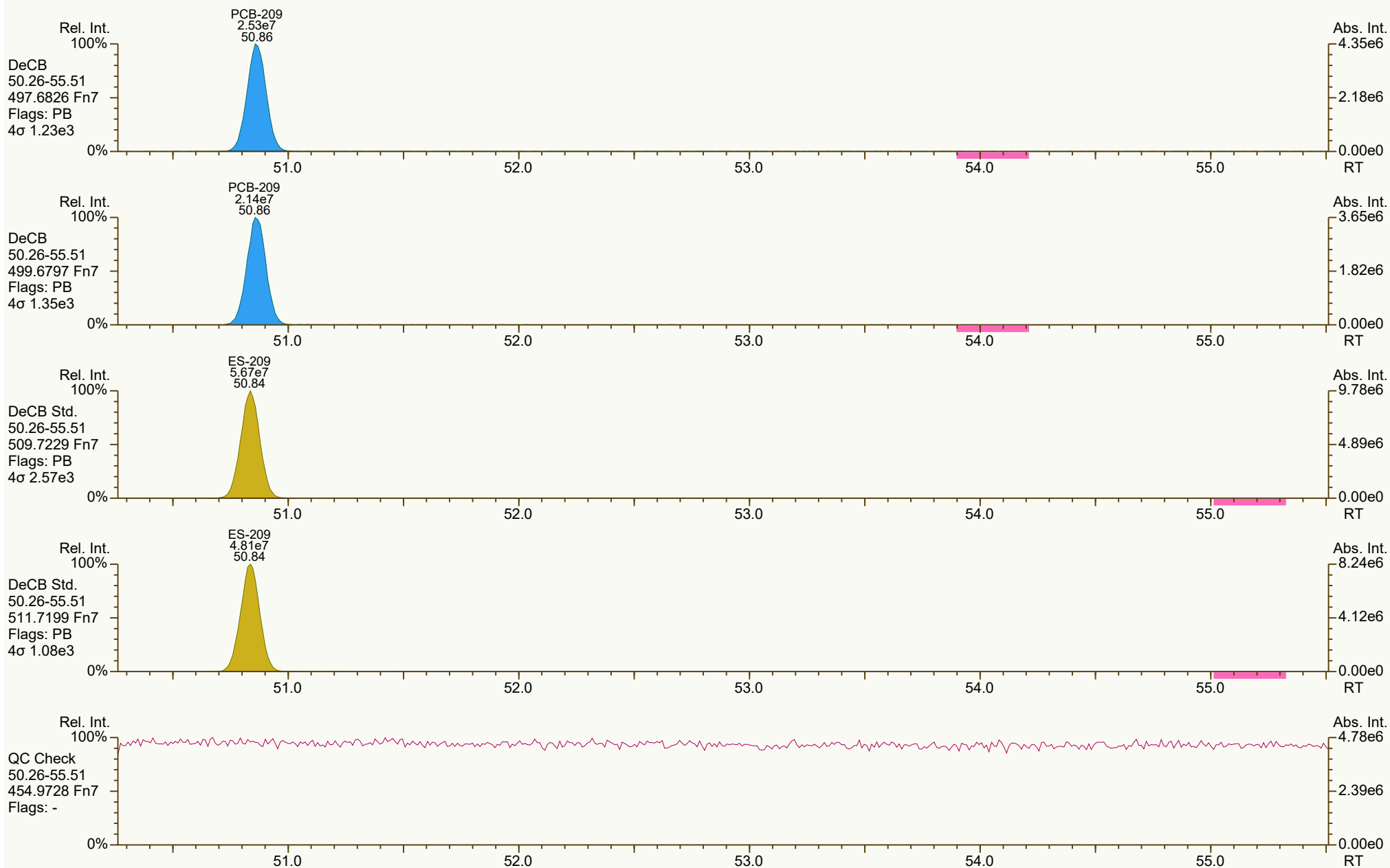
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0553, 5414 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 20 of 21

SGS ID: CS3_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 08-Oct-2024 04:19:59
User: JLJ Datafile: 241007B12



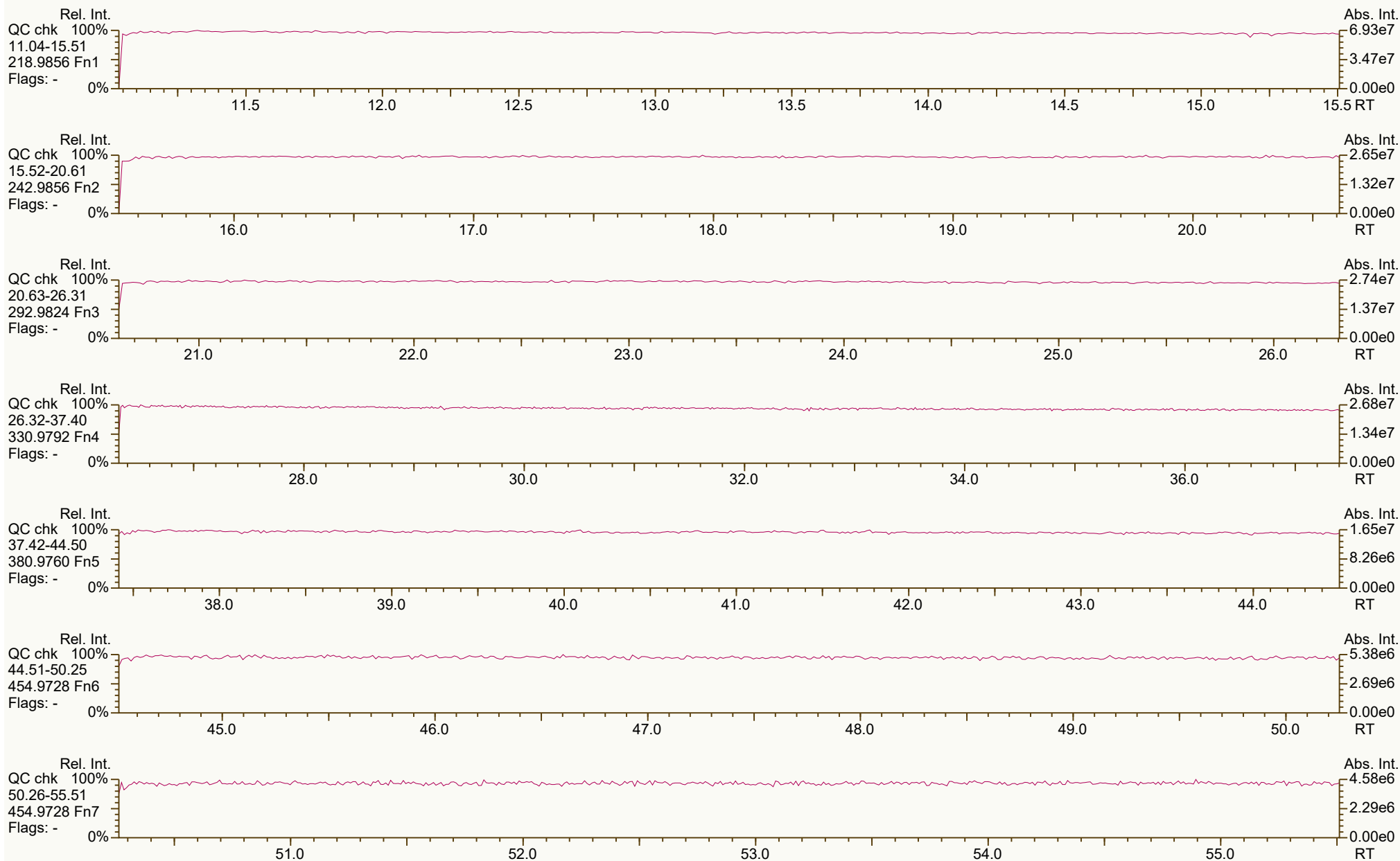
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\CS3_241007_PCB_BD.utp_res, saved 11-Oct-2024 12:53 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0792, 7894 scc: 886-581

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:51 Printed: 11-Oct-2024 12:56 Page 21 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K scc: 330-598

Peak annotation: Areas, Centroids
PKD: n/a Printed: 11-Oct-2024 12:57 Page 1 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1554, 7616 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 2 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0202, 5360 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 3 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



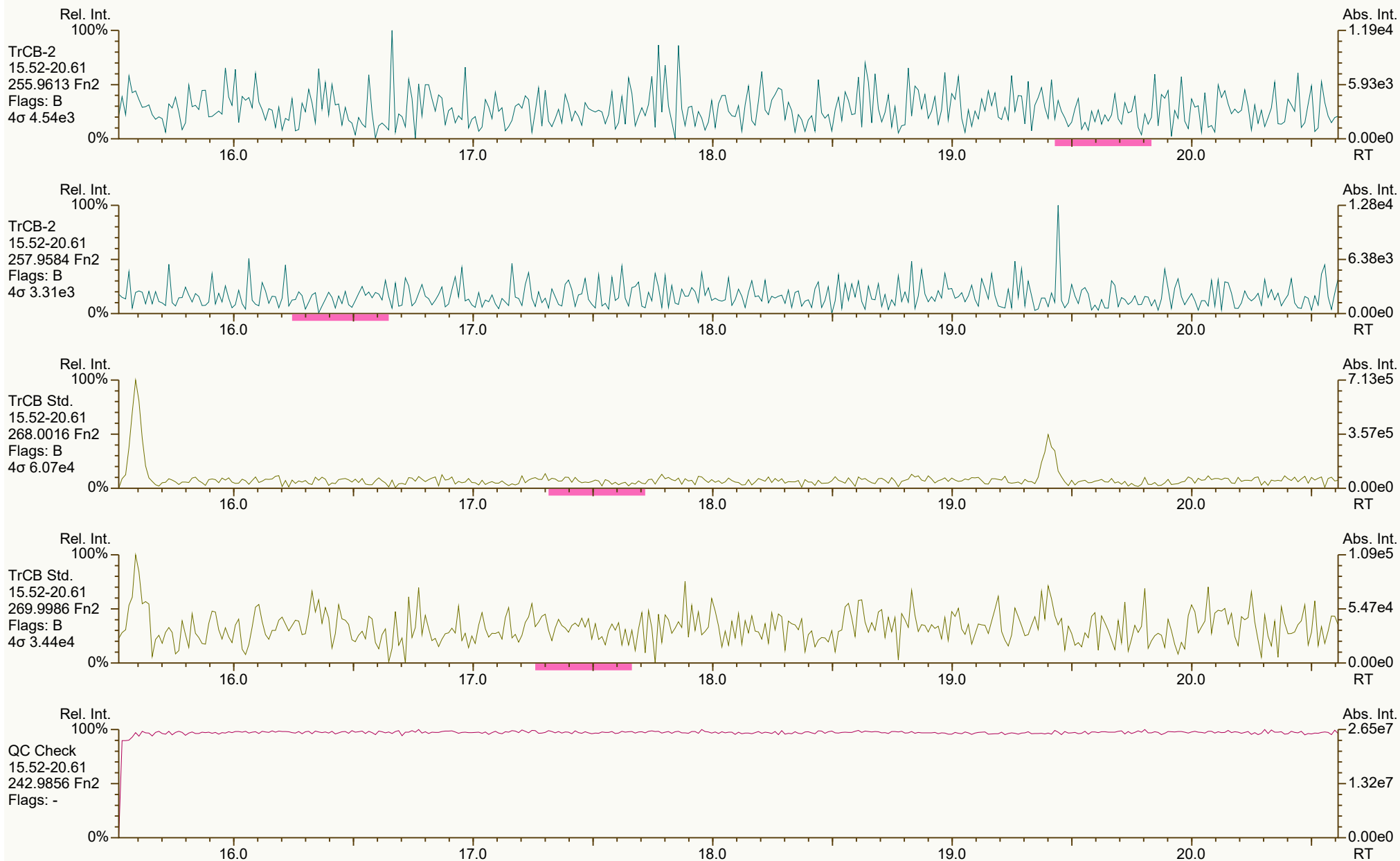
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1321, 0472 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 4 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9438, 5449 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 6 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

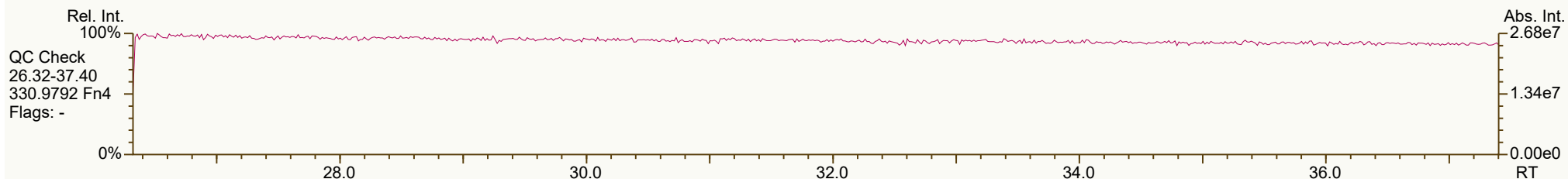
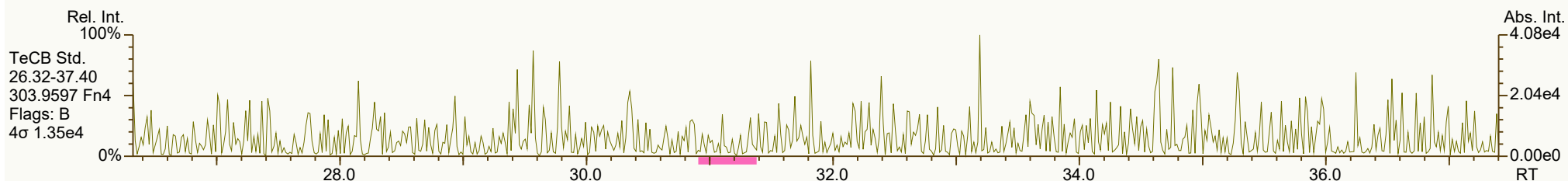
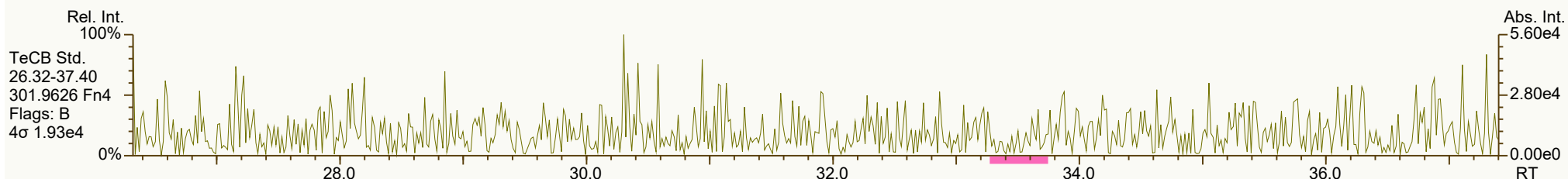
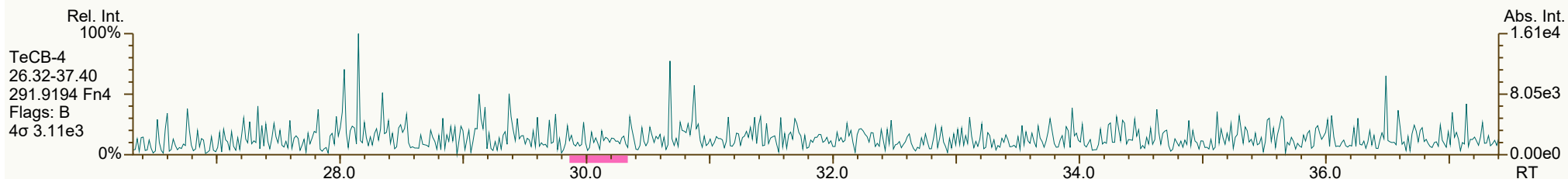
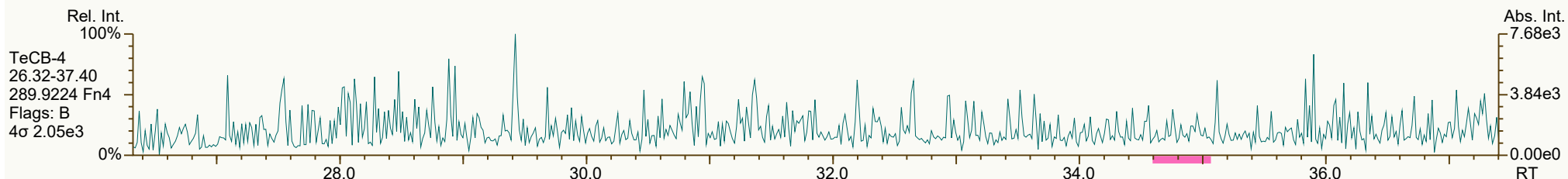
Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



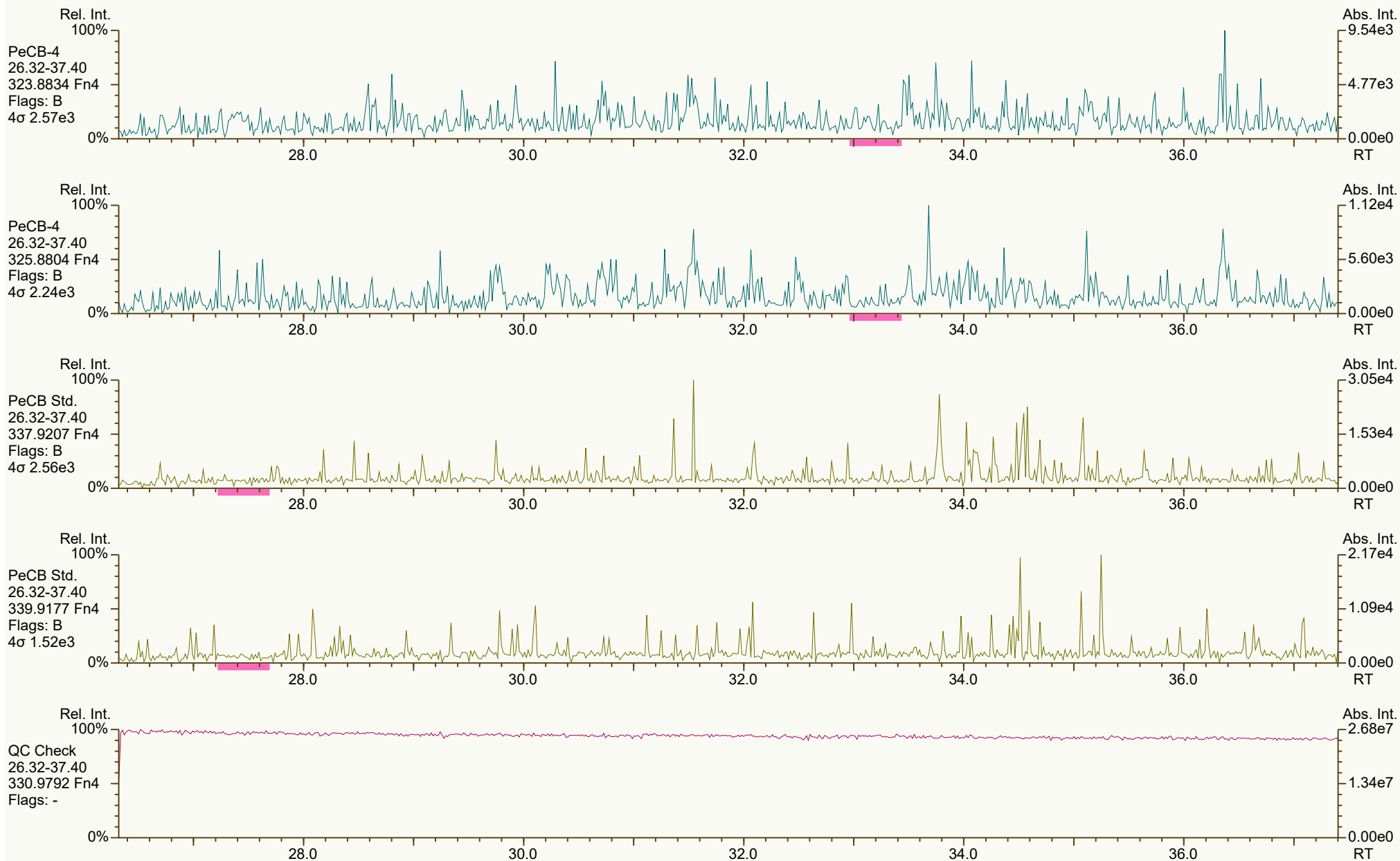
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9732, 2065 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 10 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



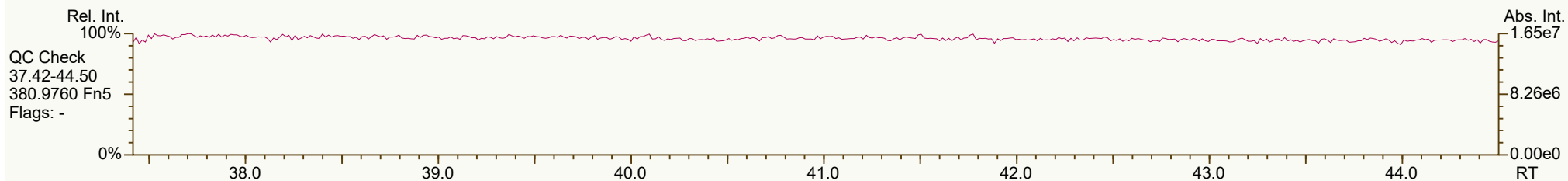
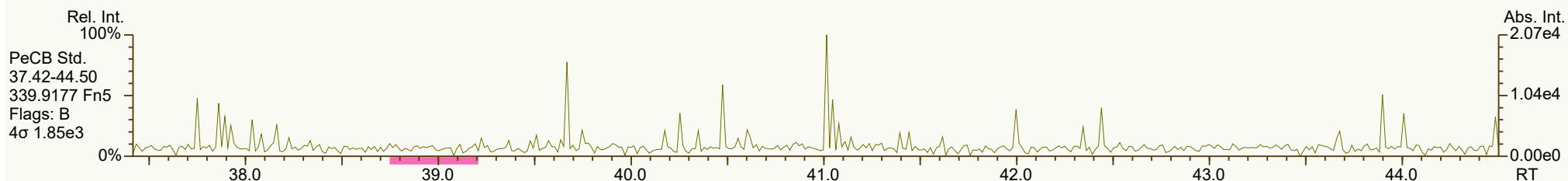
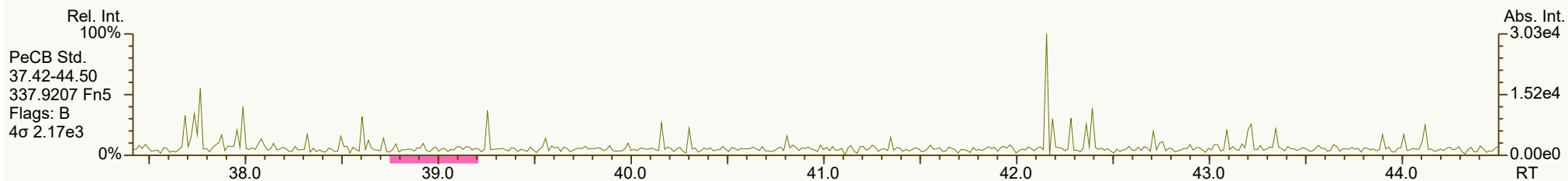
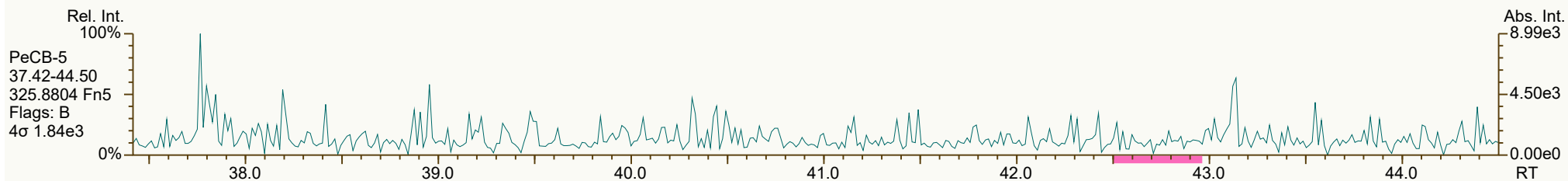
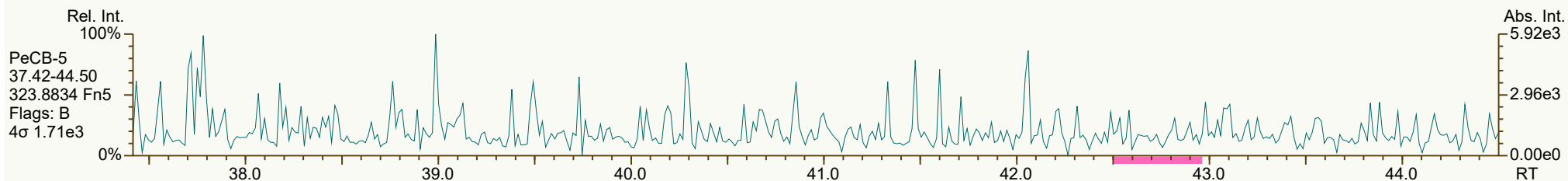
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4191, 1031 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 11 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

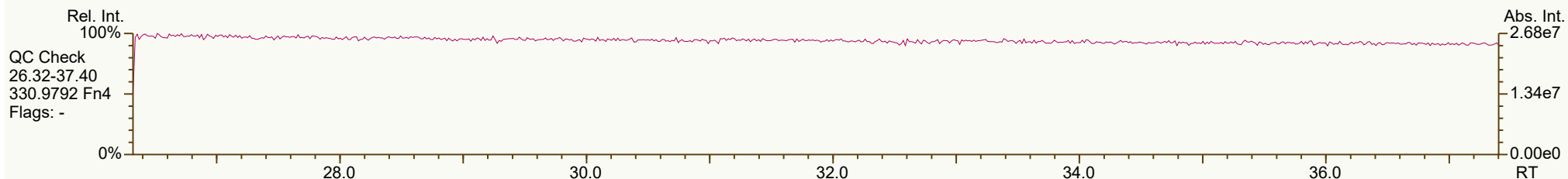
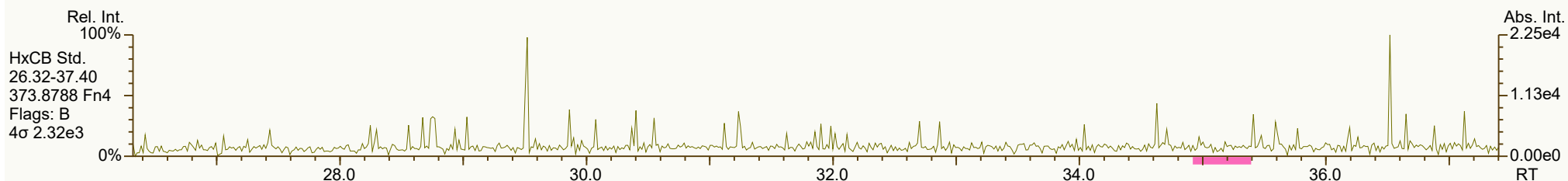
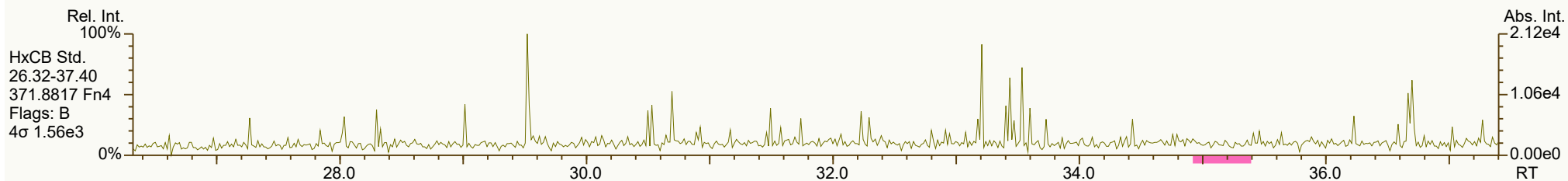
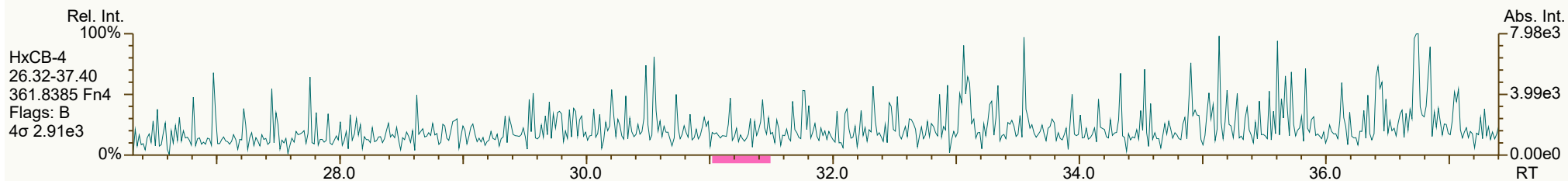
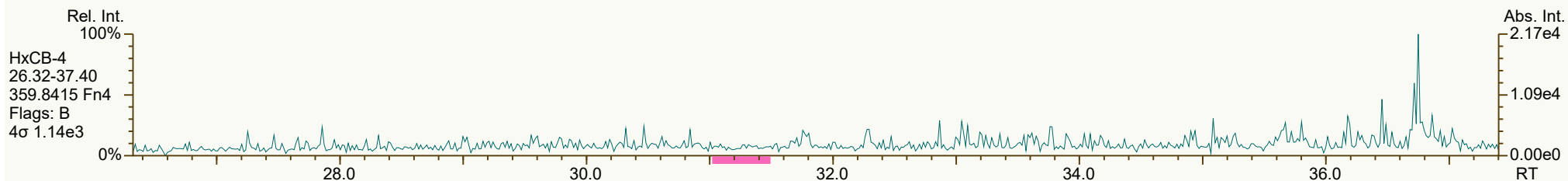
Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



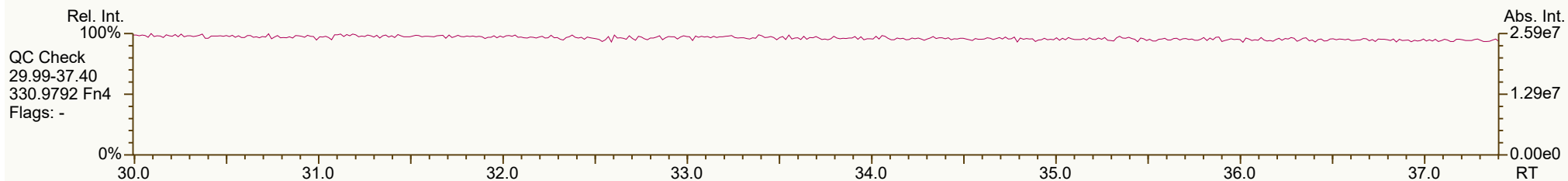
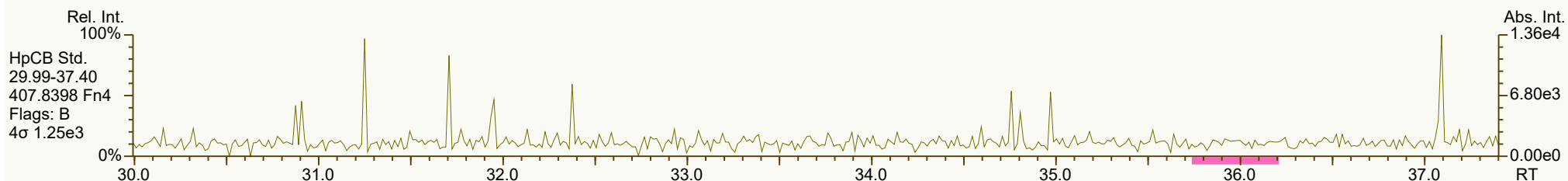
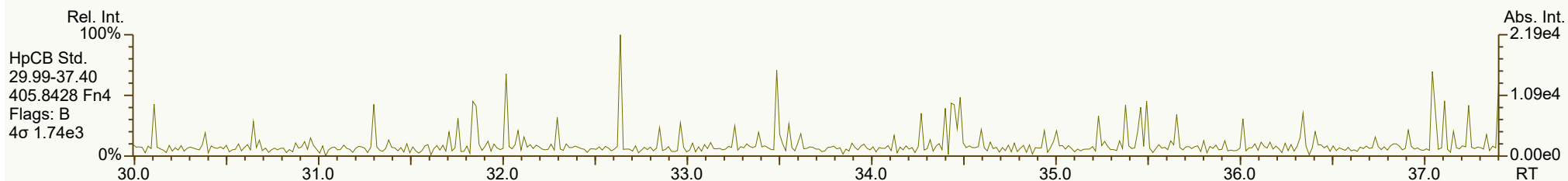
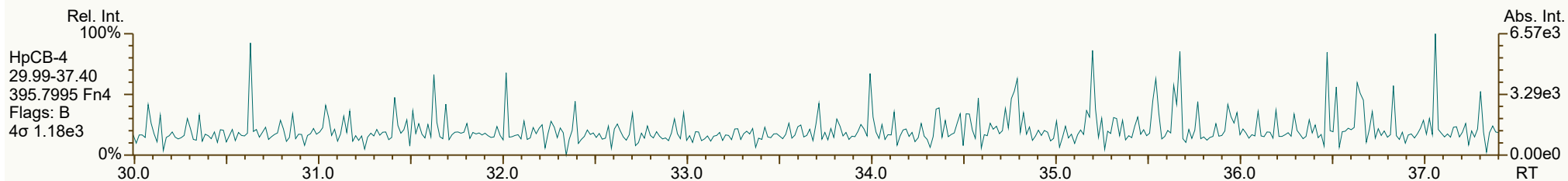
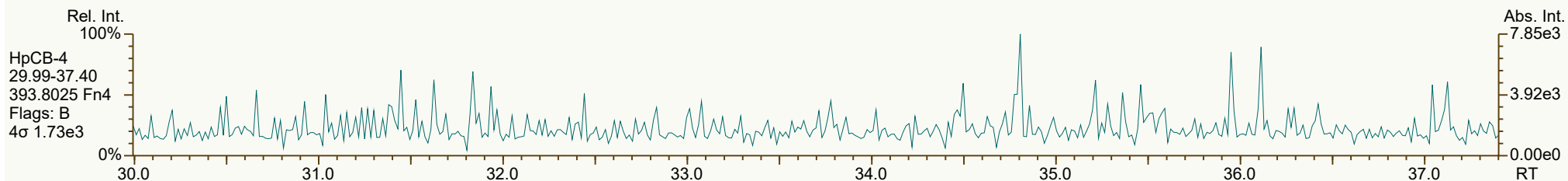
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4405, 6899 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 14 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3967, 6069 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 16 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6354, 4802 scc: 330-598

Peak annotation: Areas, Centroids
Revised: 08-Oct-2024 14:27 (JLJ) Printed: 11-Oct-2024 12:57 Page 17 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4550, 2550 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 18 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3065, 3601 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 19 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8250, 8249 scc: 330-598

Peak annotation: Areas, Centroids
PKD: 08-Oct-2024 14:27 Printed: 11-Oct-2024 12:57 Page 20 of 21

SGS ID: SB_241007_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 08-Oct-2024 05:18:41
User: JLJ Datafile: 241007B13



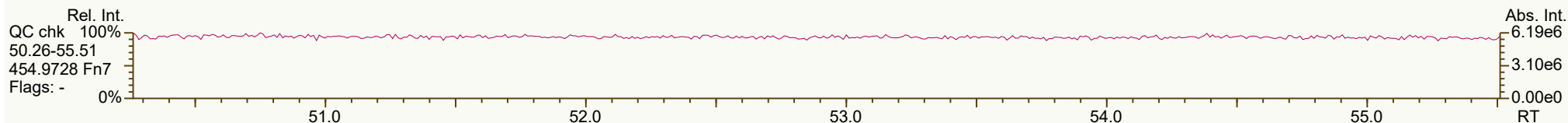
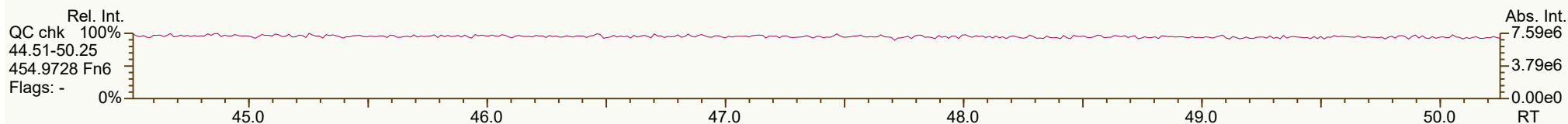
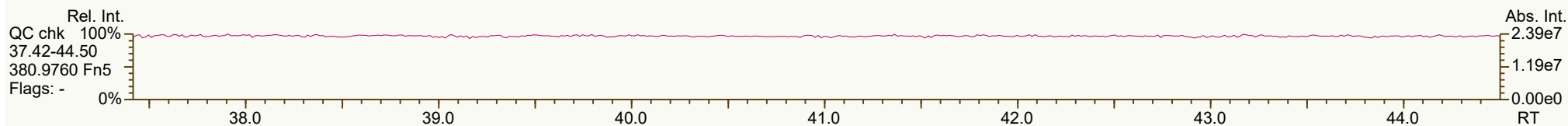
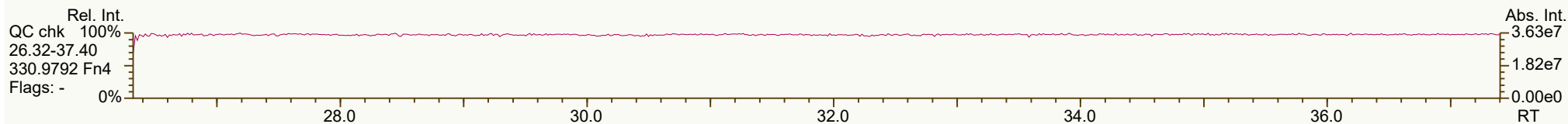
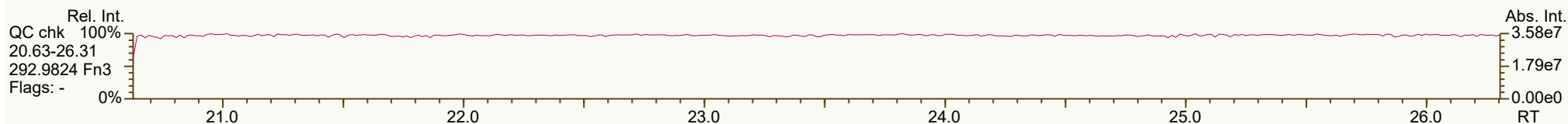
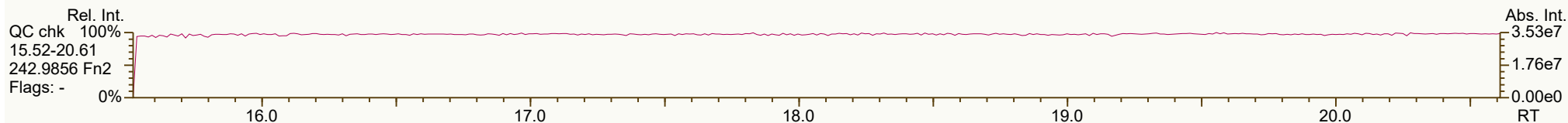
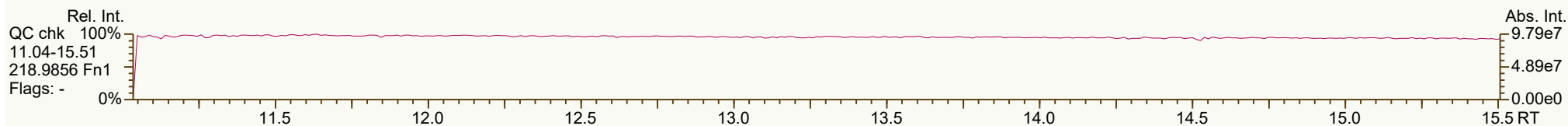
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BD.utp_res, saved 08-Oct-2024 14:27 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6681, 9323 scc: 330-598

Peak annotation: Areas, Centroids
Revised: 08-Oct-2024 14:27 (JLJ) Printed: 11-Oct-2024 12:57 Page 21 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



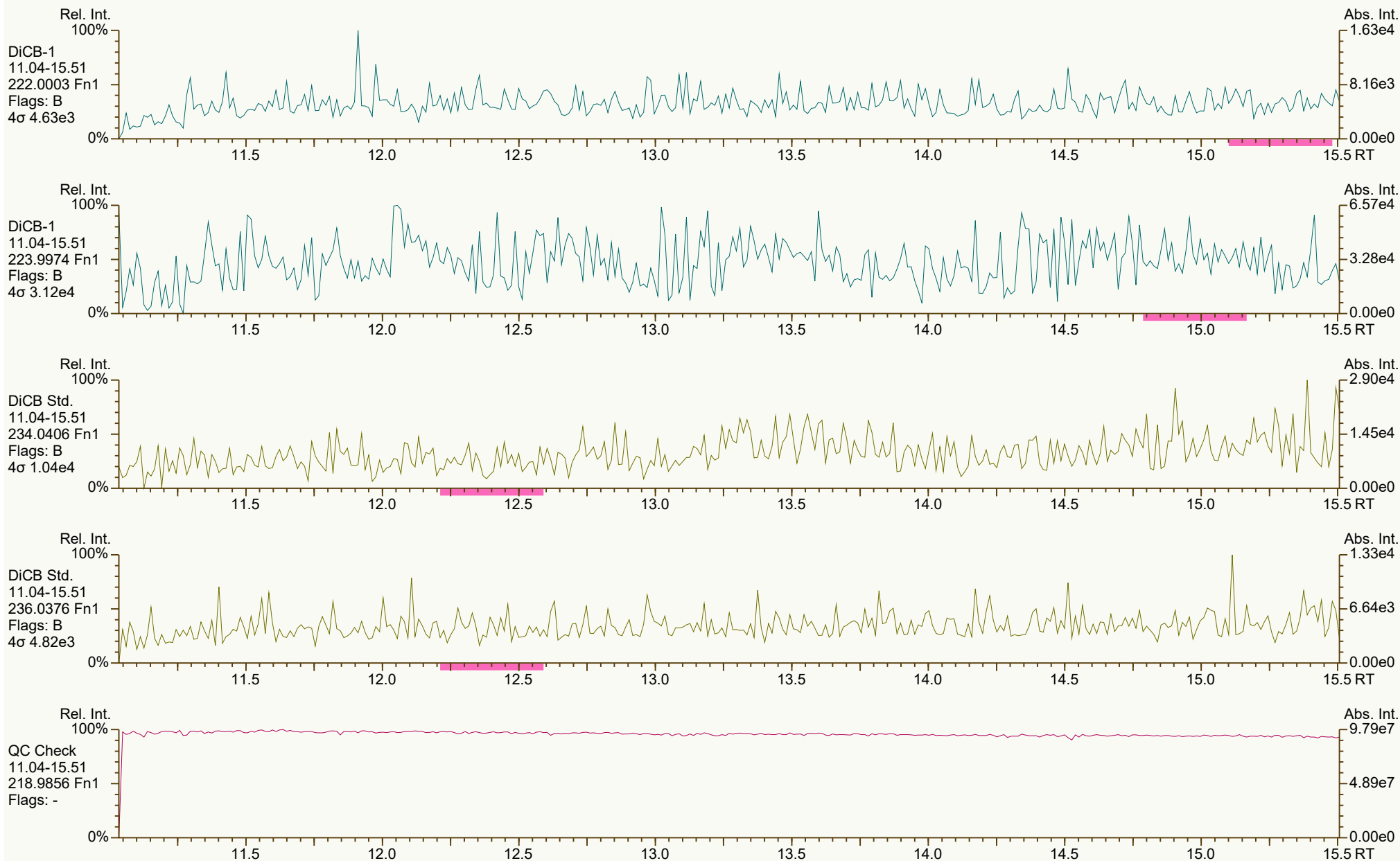
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6061, 1289 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:00 Printed: 11-Oct-2024 13:03 Page 2 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8641, 2844 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:00 Printed: 11-Oct-2024 13:04 Page 3 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



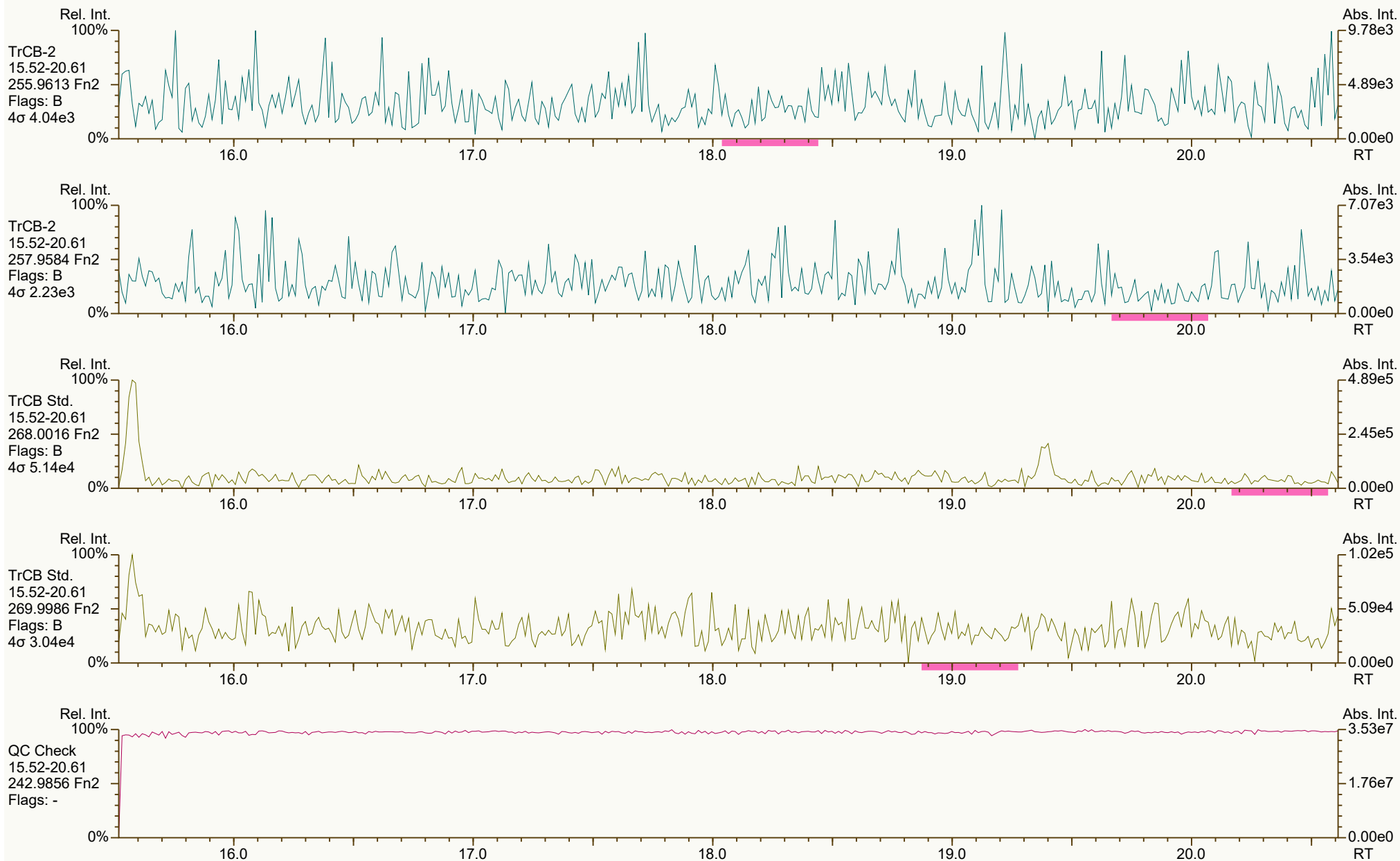
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1805, 0221 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:00 Printed: 11-Oct-2024 13:04 Page 4 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5425, 5781 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 5 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8833, 6087 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 6 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6778, 0289 scc: 042-073

Peak annotation: Areas, Centroids
Revised: 09-Oct-2024 10:00 (JLJ) Printed: 11-Oct-2024 13:04 Page 7 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



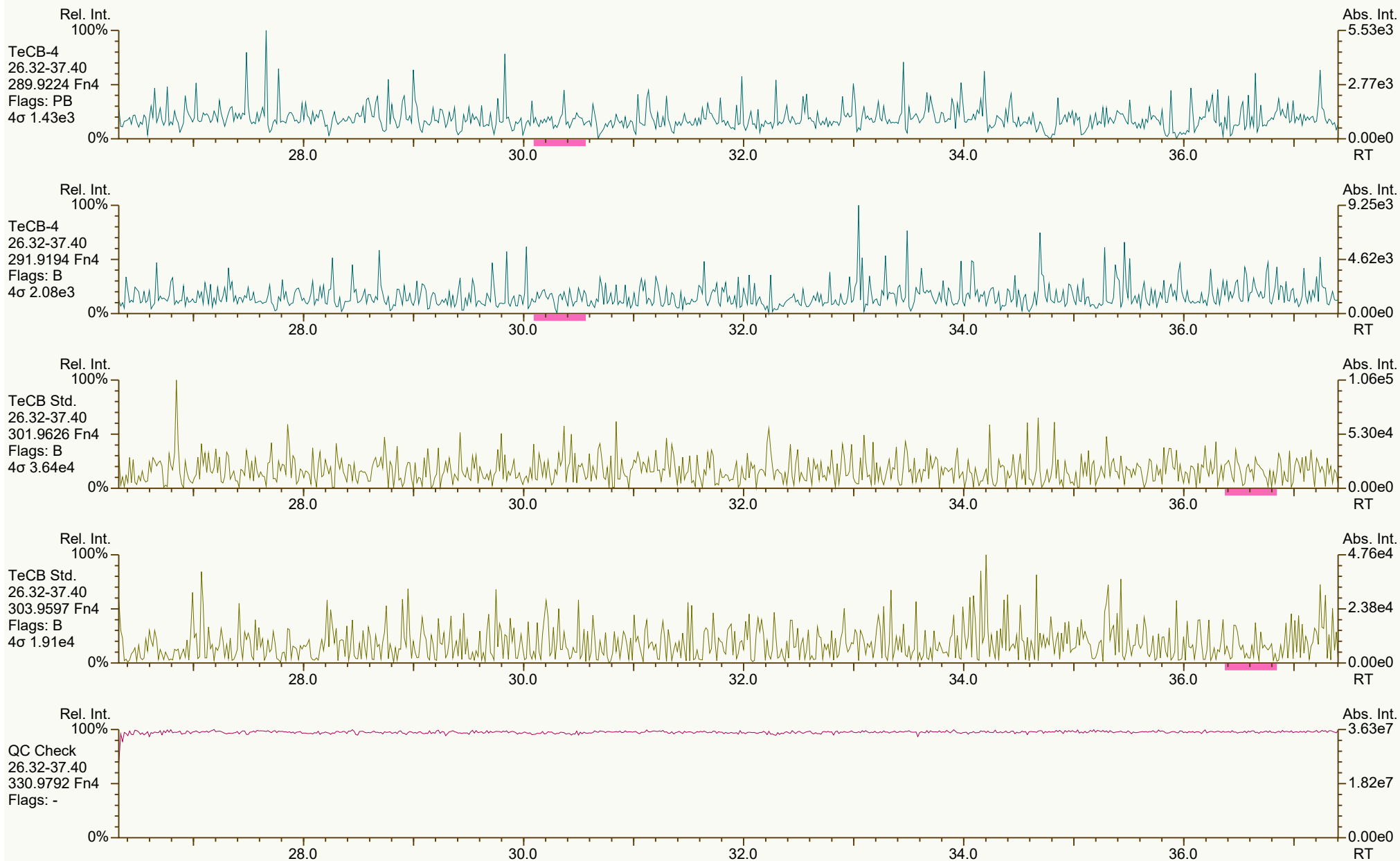
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5891, 1495 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 8 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0101, 6869 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 9 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



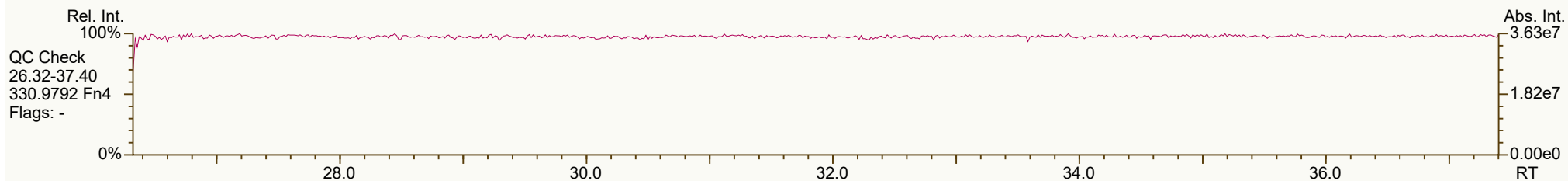
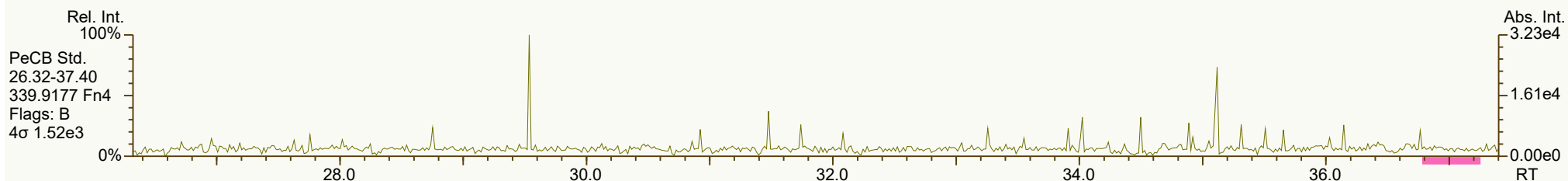
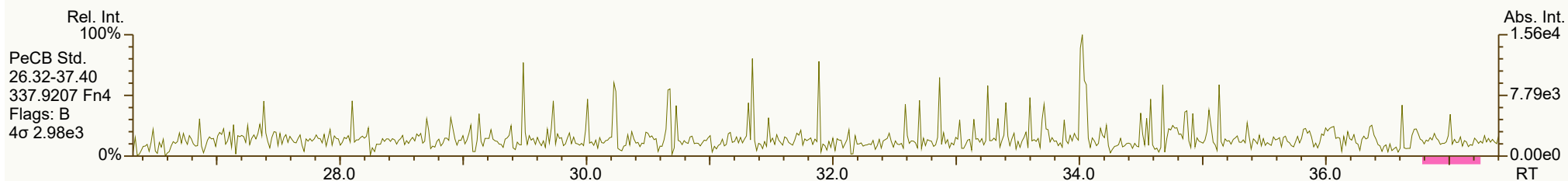
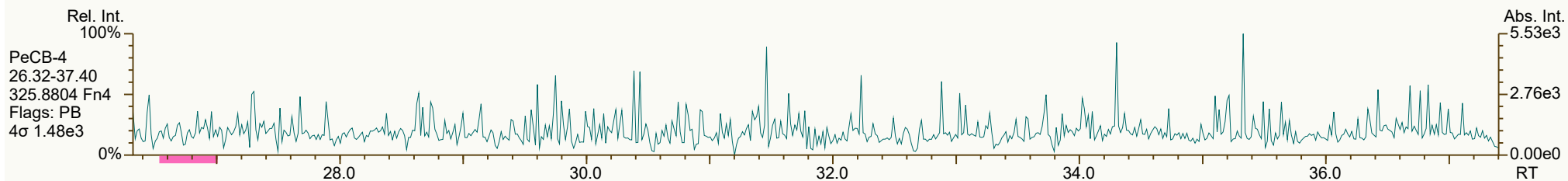
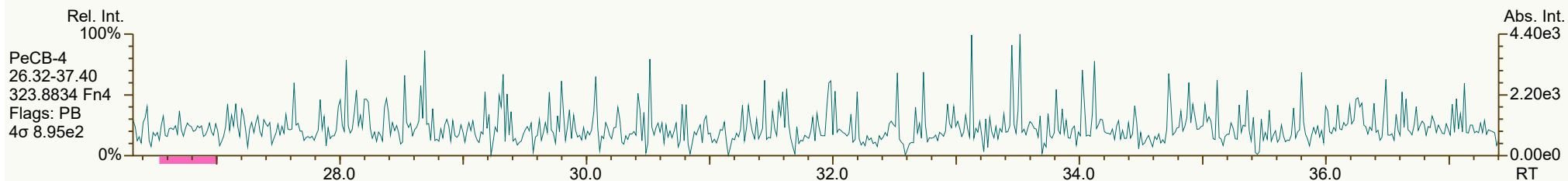
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4233, 7423 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 10 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9343, 6989 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 11 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



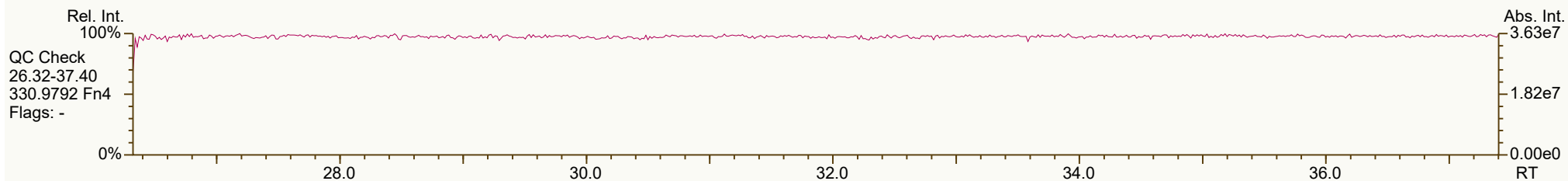
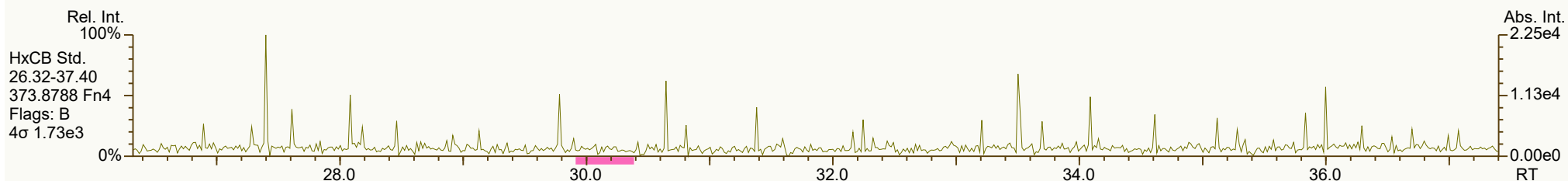
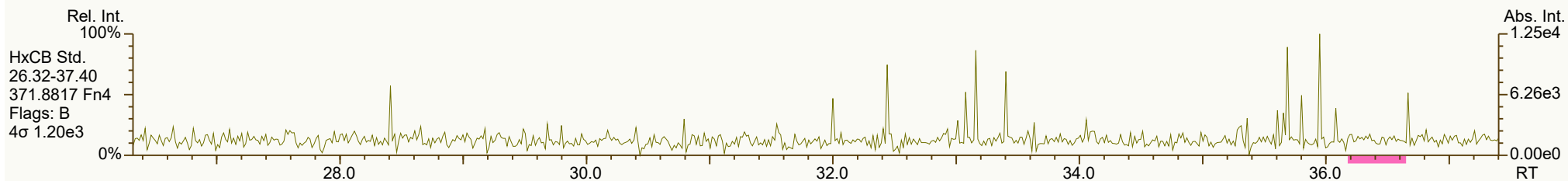
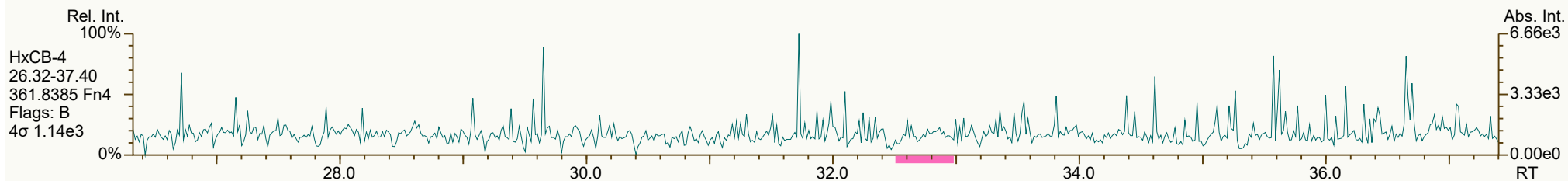
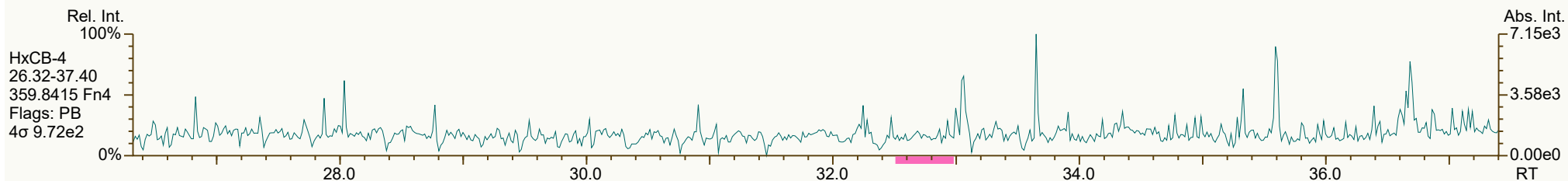
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5114, 8425 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 12 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1859, 6461 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 14 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7461, 3667 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 15 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1719, 5473 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 16 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



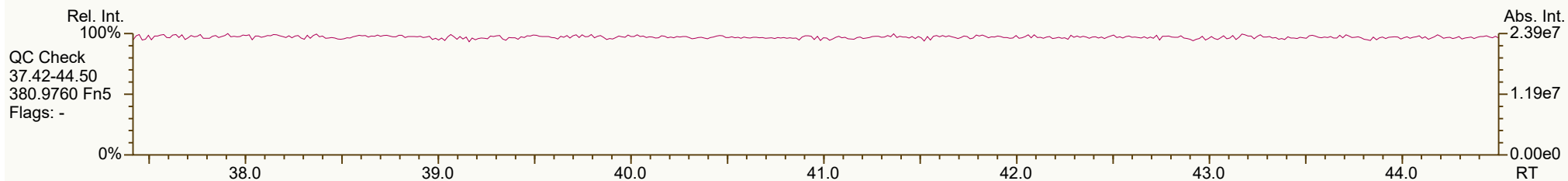
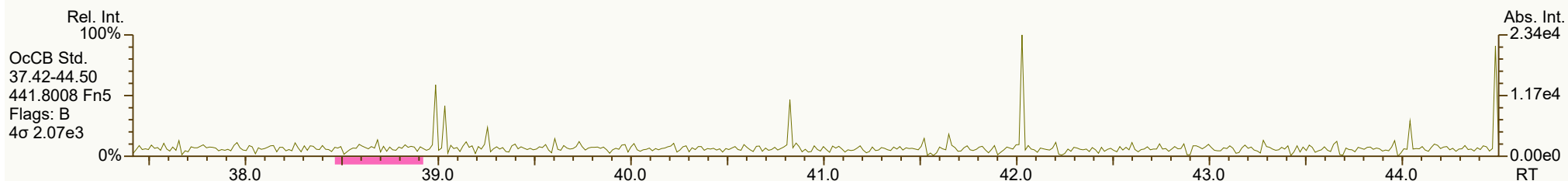
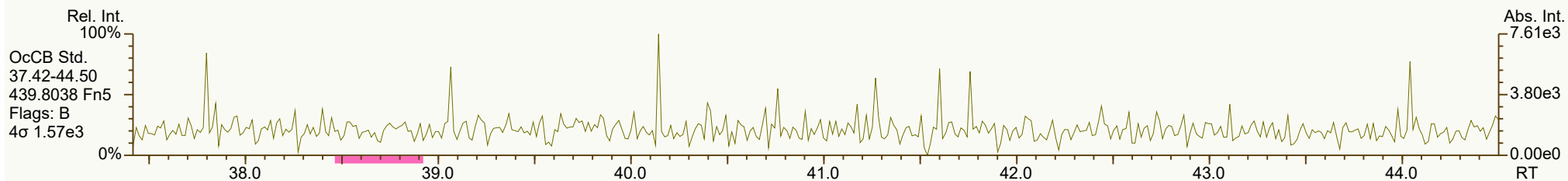
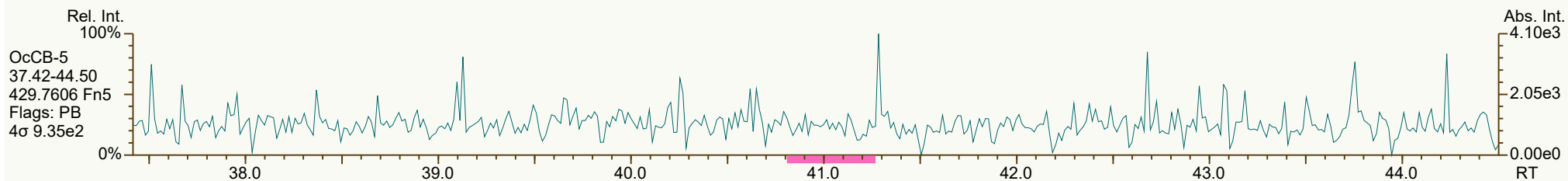
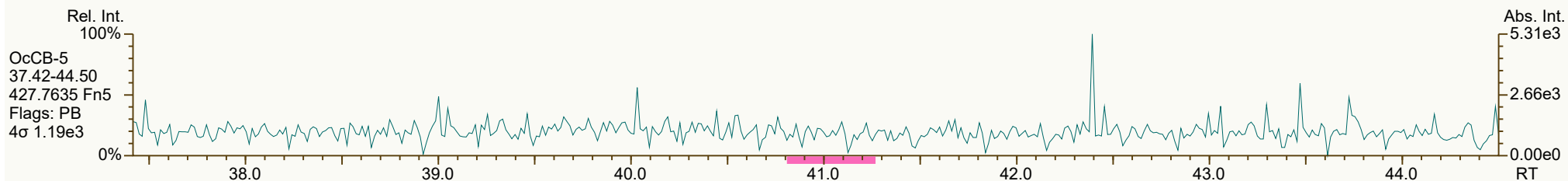
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9834, 1514 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 17 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



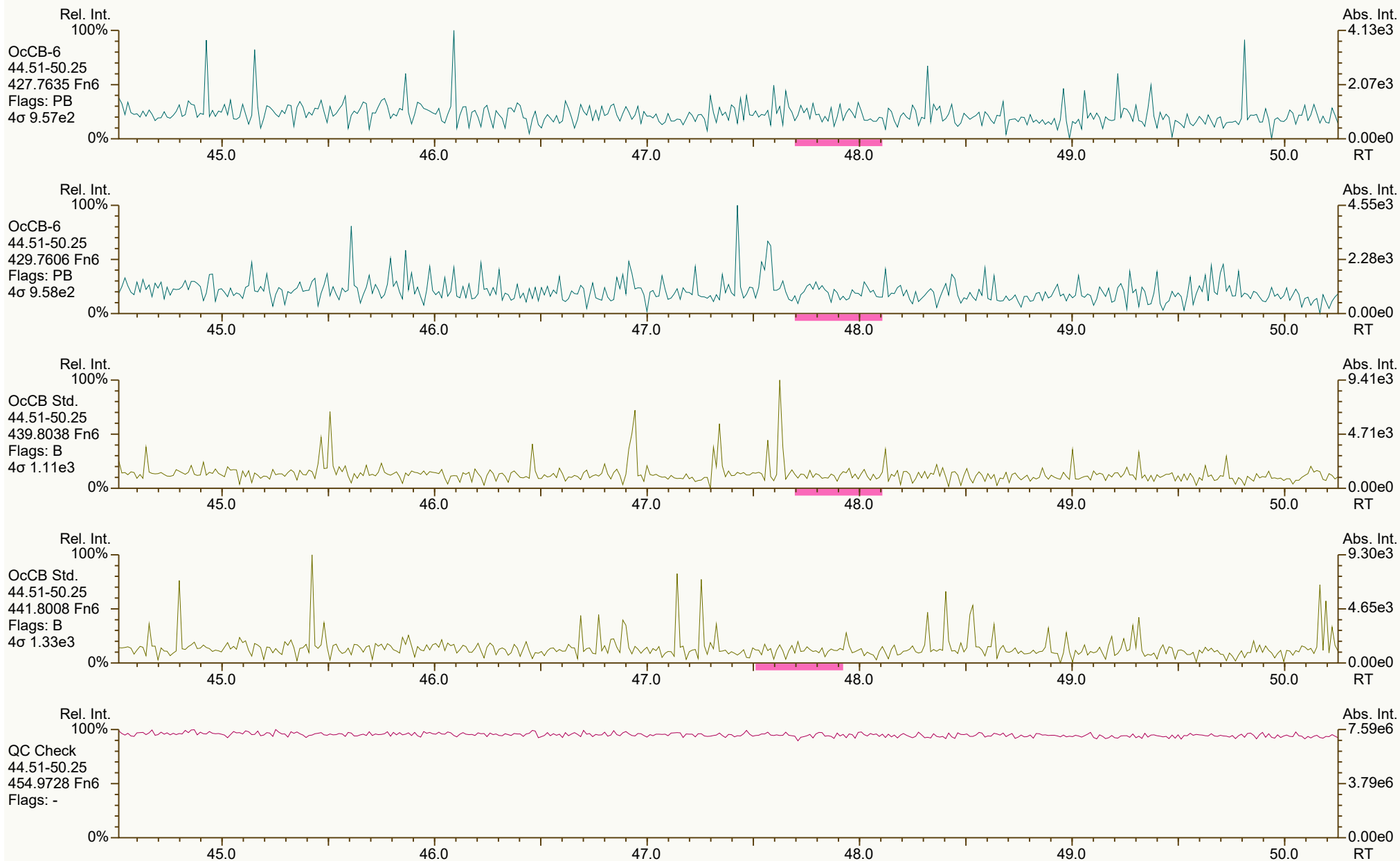
Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8698, 4500 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 18 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4645, 9306 scc: 042-073

Peak annotation: Areas, Centroids
PKD: 09-Oct-2024 10:03 Printed: 11-Oct-2024 13:04 Page 19 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23



Results: P:\B9800_B9899\B9847\B9847_21458_PCB\Resources\SB_241007_PCB_BF.utp_res, saved 11-Oct-2024 11:54 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9621, 4609 scc: 042-073

Peak annotation: Areas, Centroids
Revised: 09-Oct-2024 10:00 (JLJ) Printed: 11-Oct-2024 13:04 Page 20 of 21

SGS ID: SB_241007_PCB_BF
Instr: [ILM] AutoSpec-Ultima HRMS2

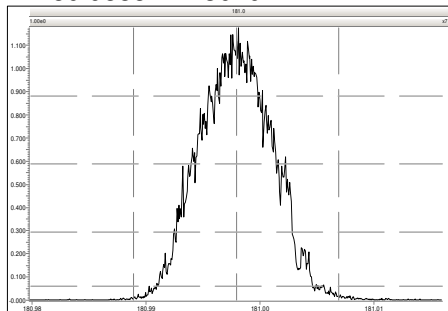
Sample ID: DISTILLED NONANE
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 09-Oct-2024 00:14:51
User: JLJ Datafile: 241007B23

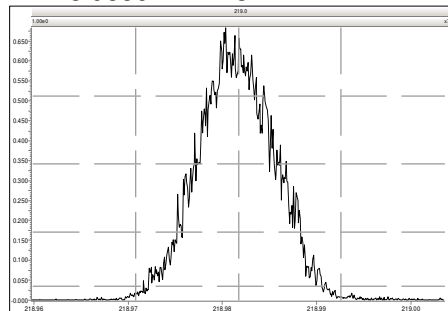


Printed: Tuesday, October 08, 2024 03:22:55 Eastern Daylight Time

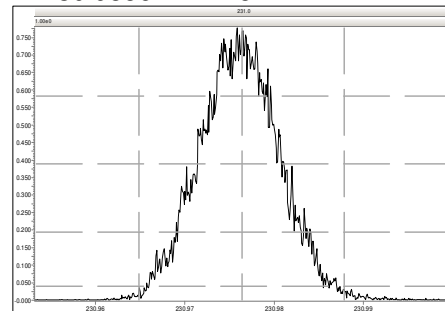
M 180.9888 R 13020



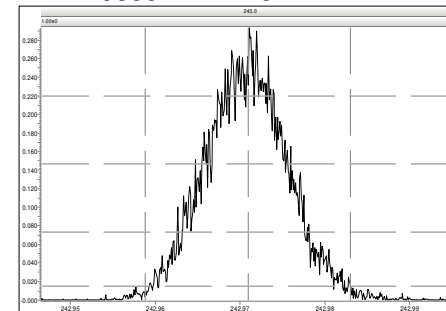
M 218.9856 R 12237



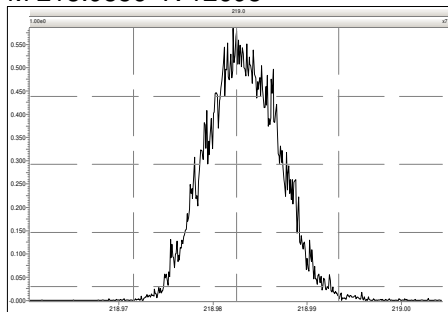
M 230.9856 R 11252



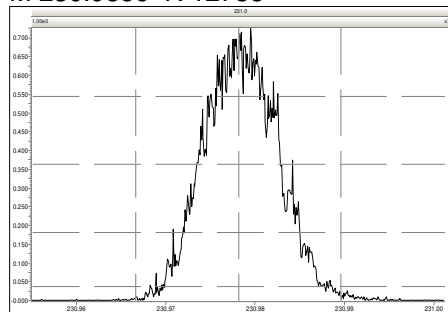
M 242.9856 R 11118



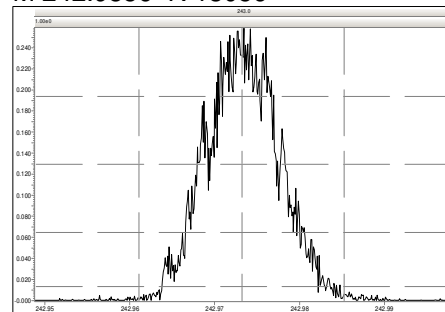
M 218.9856 R 12698



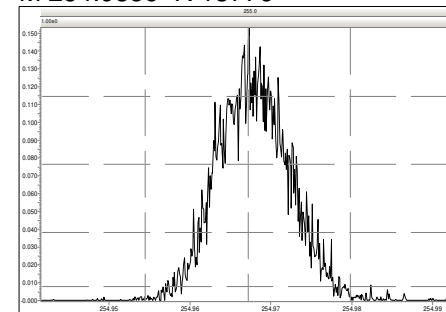
M 230.9856 R 12788



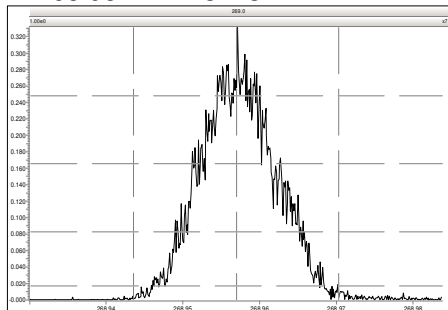
M 242.9856 R 13056



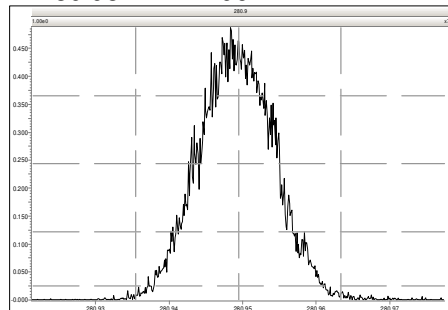
M 254.9856 R 13776



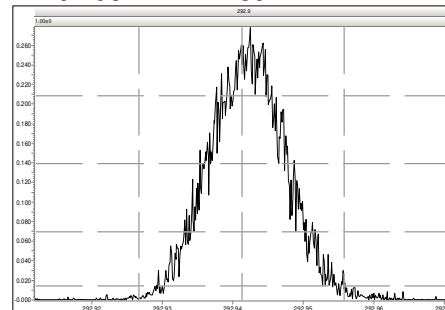
M 268.9824 R 13273



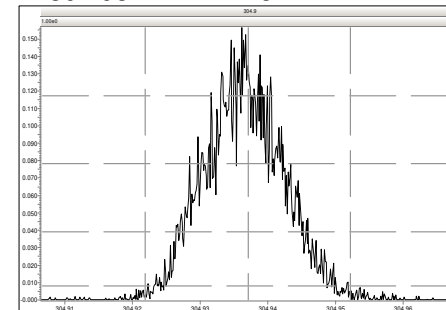
M 280.9824 R 11961



M 292.9824 R 11739

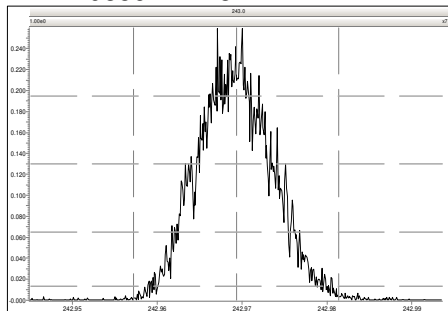


M 304.9824 R 12225

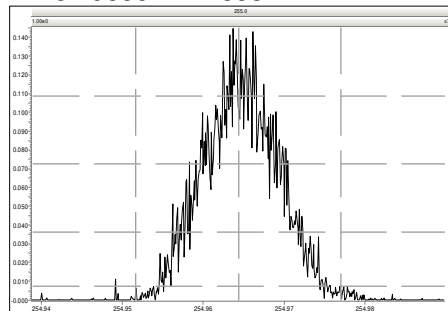


Printed: Tuesday, October 08, 2024 03:22:55 Eastern Daylight Time

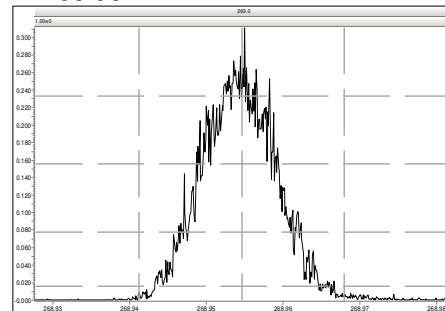
M 242.9856 R 12821



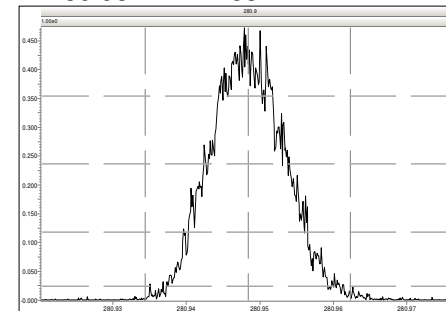
M 254.9856 R 12853



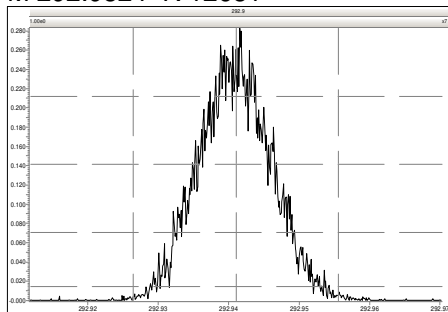
M 268.9824 R 12724



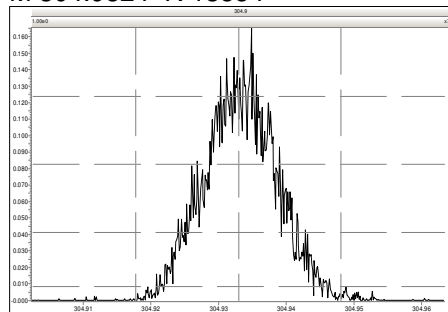
M 280.9824 R 12537



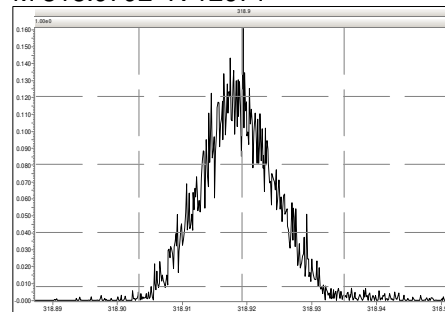
M 292.9824 R 12681



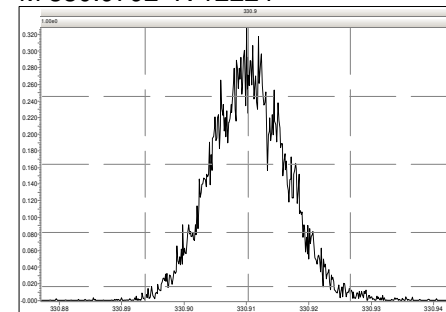
M 304.9824 R 13554



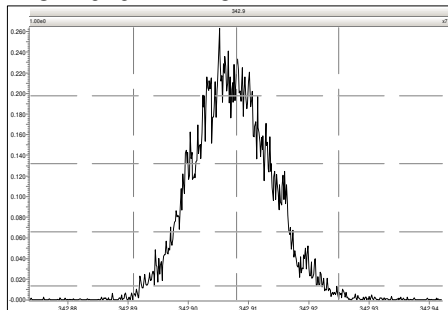
M 318.9792 R 12671



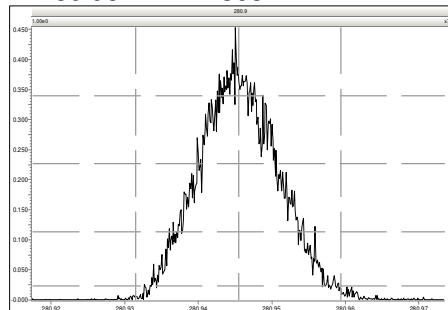
M 330.9792 R 12224



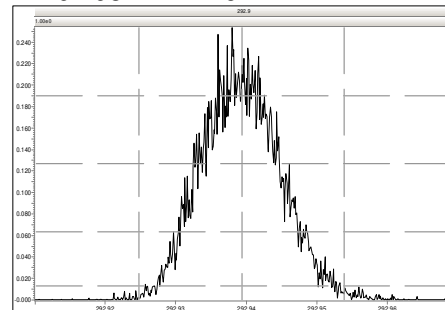
M 342.9792 R 11514



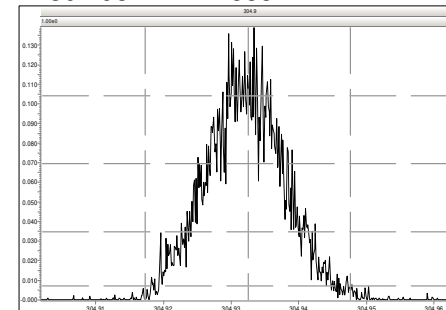
M 280.9824 R 11363



M 292.9824 R 11627

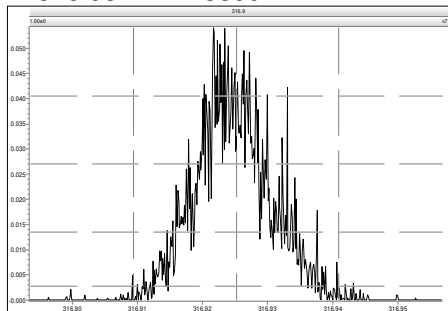


M 304.9824 R 12588

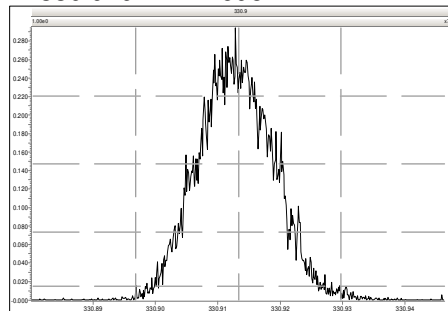


Printed: Tuesday, October 08, 2024 03:22:55 Eastern Daylight Time

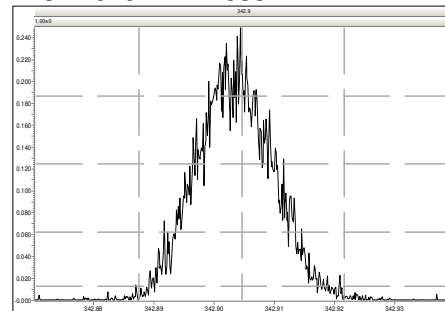
M 316.9824 R 13399



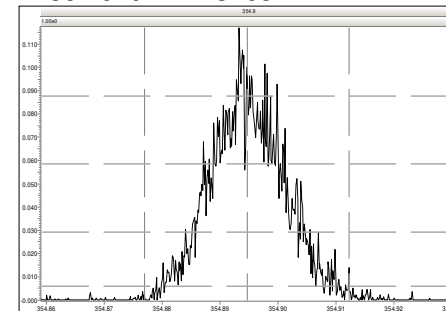
M 330.9792 R 12695



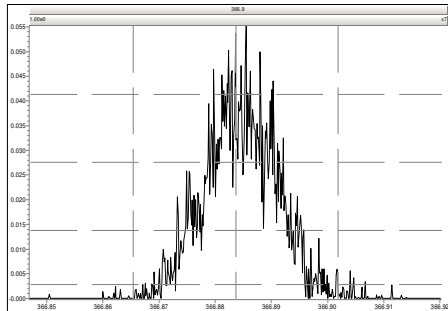
M 342.9792 R 12533



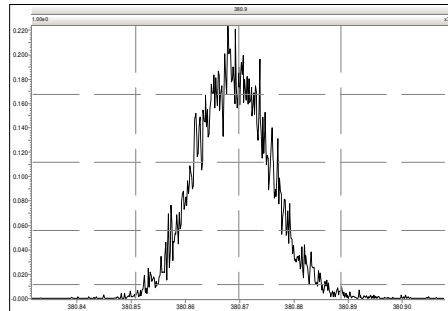
M 354.9792 R 13163



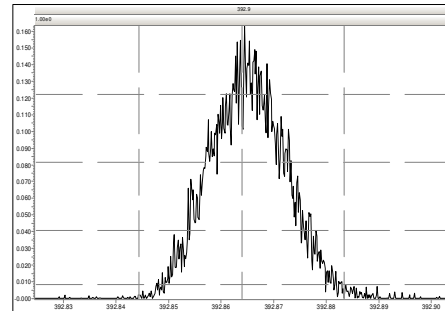
M 366.9792 R 14471



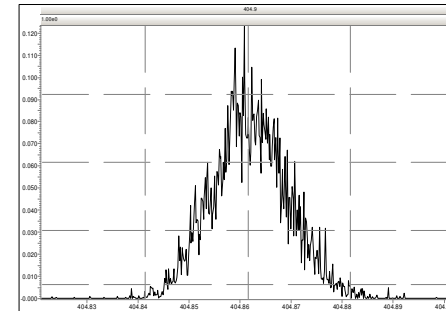
M 380.9760 R 12301



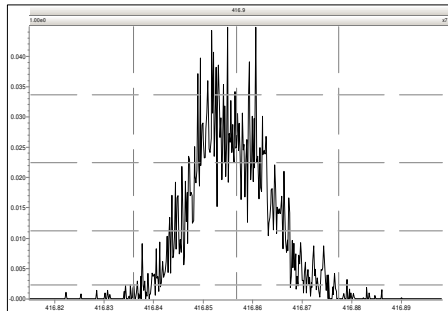
M 392.9760 R 12755



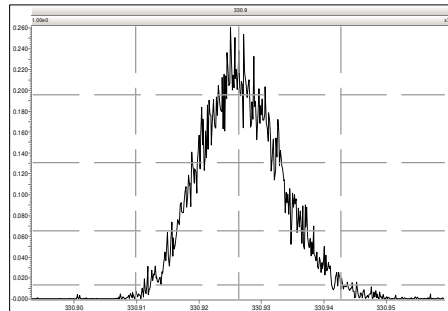
M 404.9760 R 13377



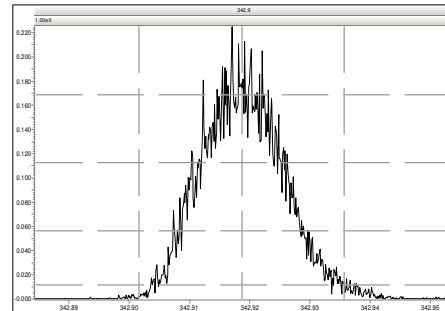
M 416.9760 R 14718



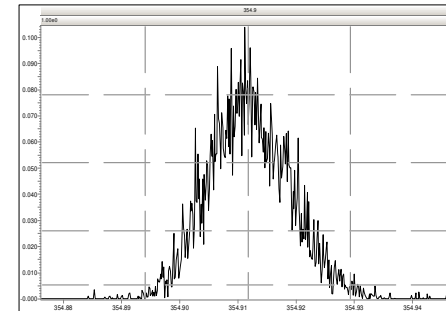
M 330.9792 R 11140



M 342.9792 R 11524

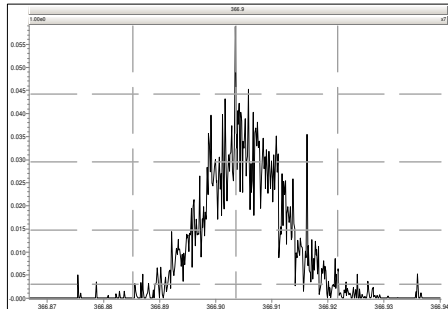


M 354.9792 R 12265

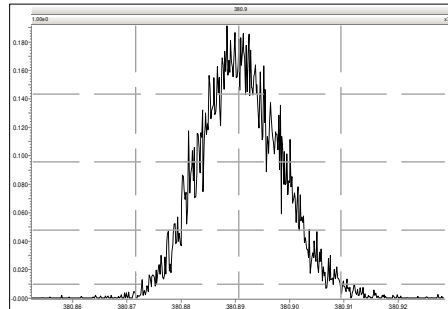


Printed: Tuesday, October 08, 2024 03:22:55 Eastern Daylight Time

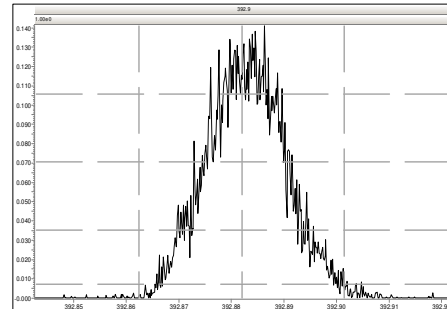
M 366.9792 R 13940



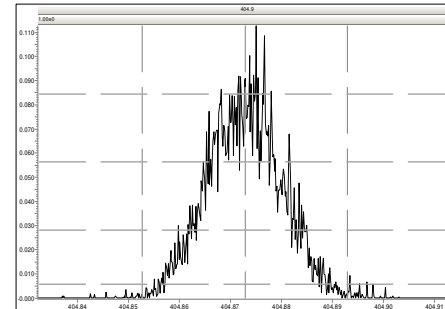
M 380.9760 R 11854



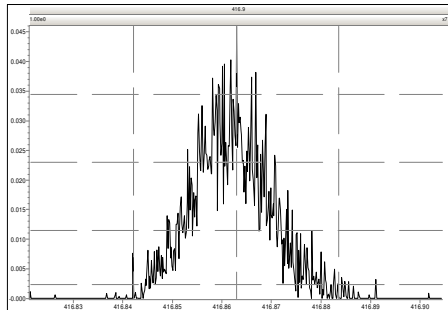
M 392.9760 R 11749



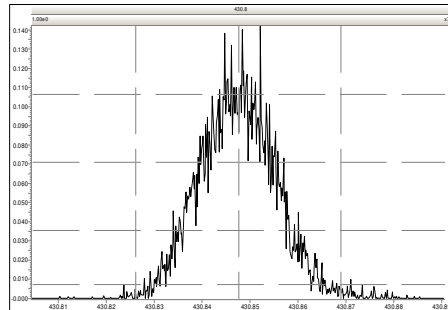
M 404.9760 R 13409



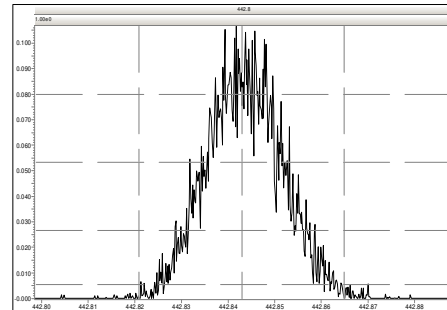
M 416.9760 R 12700



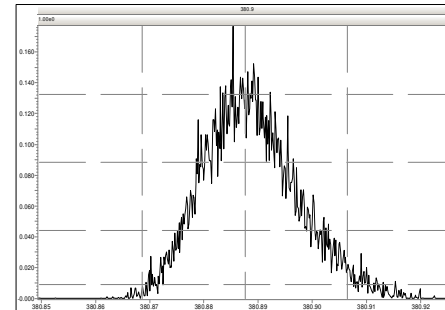
M 430.9728 R 13021



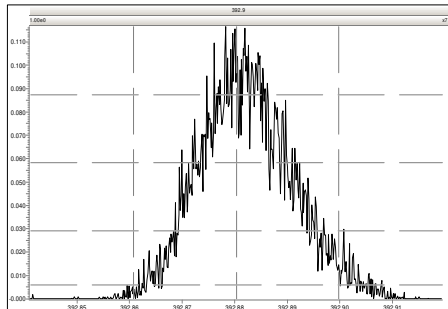
M 442.9728 R 13273



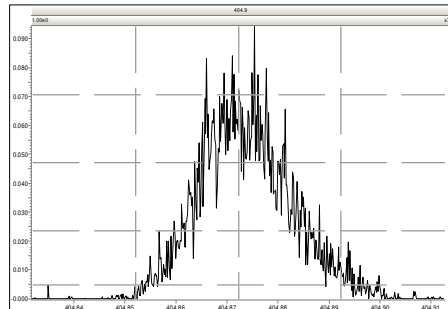
M 380.9760 R 10105



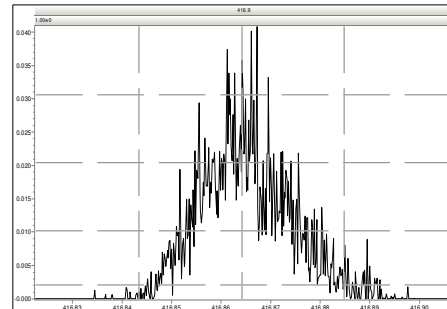
M 392.9760 R 9881



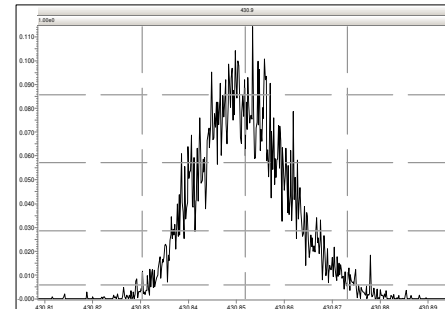
M 404.9760 R 10148



M 416.9760 R 14911

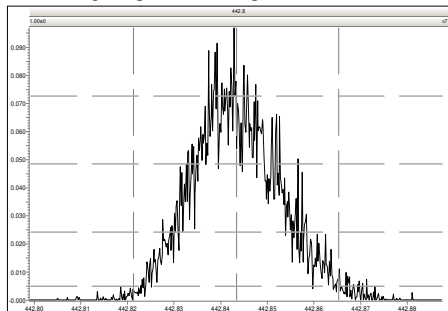


M 430.9728 R 10102

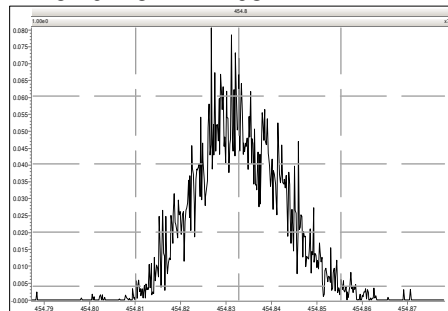


Printed: Tuesday, October 08, 2024 03:22:55 Eastern Daylight Time

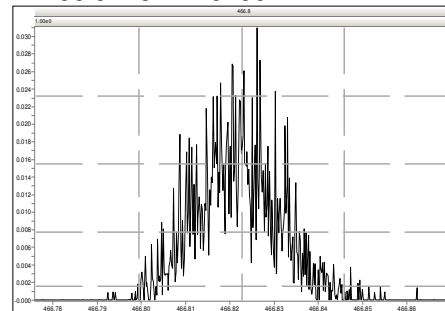
M 442.9728 R 12448



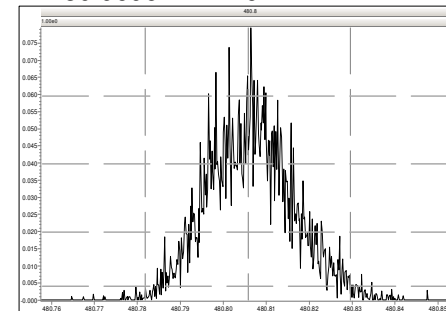
M 454.9728 R 12763



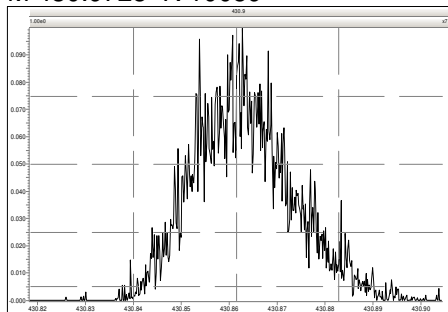
M 466.9728 R 16266



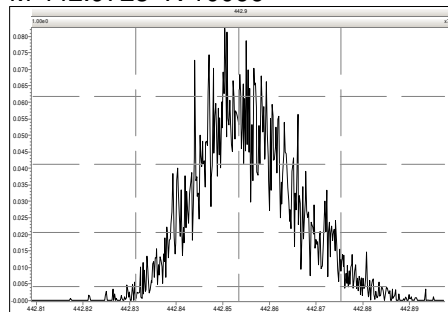
M 480.9696 R 11764



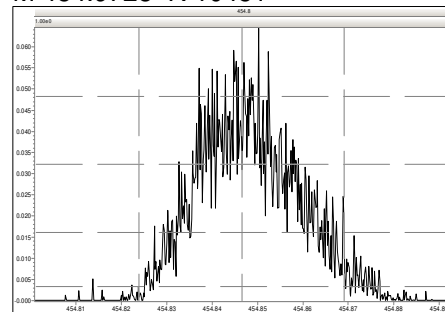
M 430.9728 R 10059



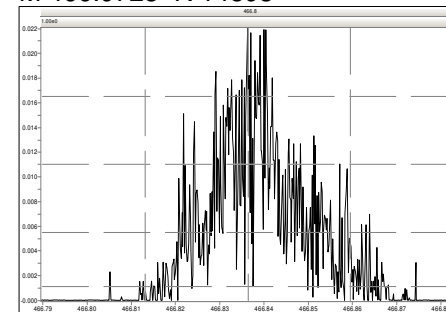
M 442.9728 R 10066



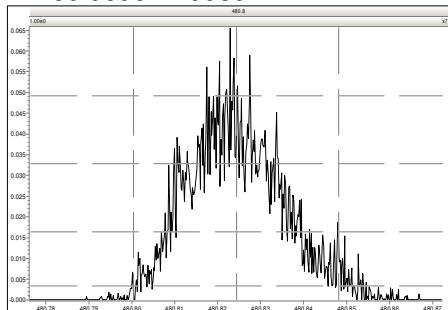
M 454.9728 R 10451



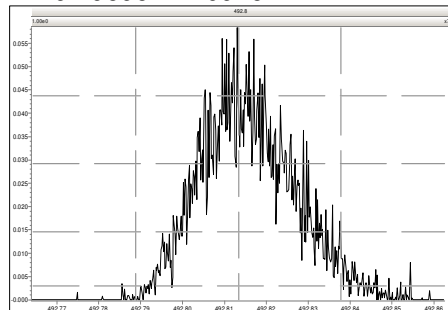
M 466.9728 R 14893



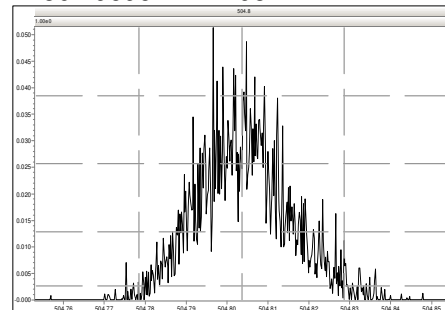
M 480.9696 R 9939



M 492.9696 R 10946

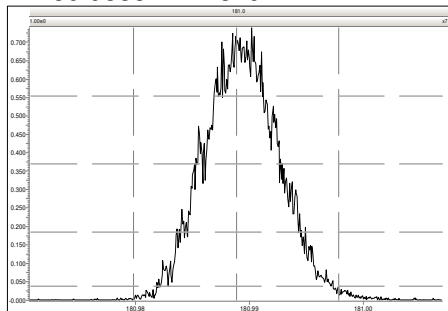


M 504.9696 R 11295

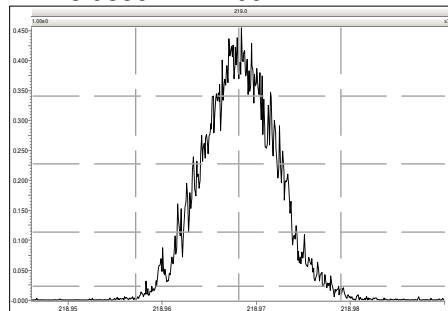


Printed: Tuesday, October 08, 2024 15:17:39 Eastern Daylight Time

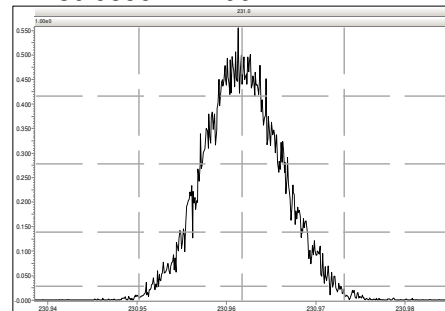
M 180.9888 R 11879



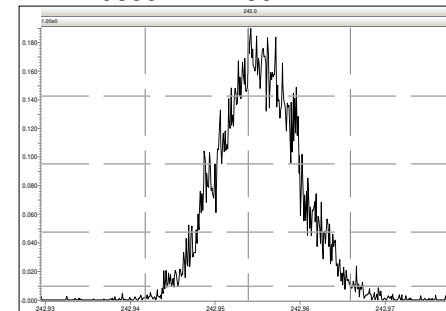
M 218.9856 R 11709



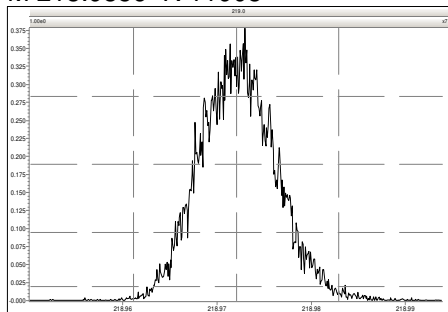
M 230.9856 R 11904



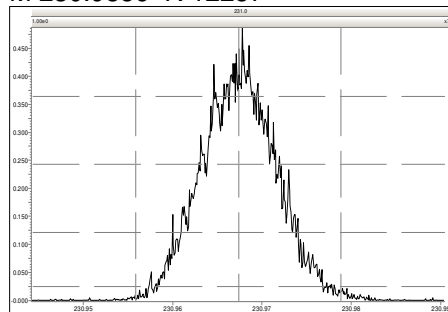
M 242.9856 R 11256



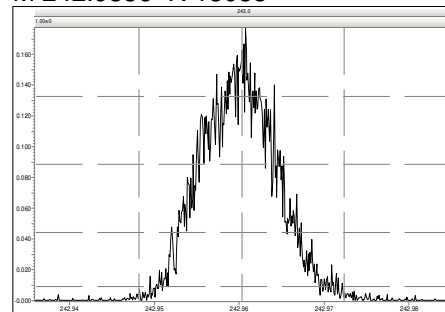
M 218.9856 R 11908



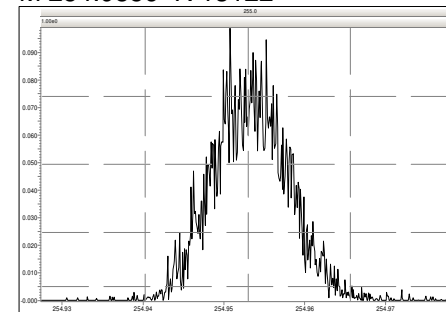
M 230.9856 R 12257



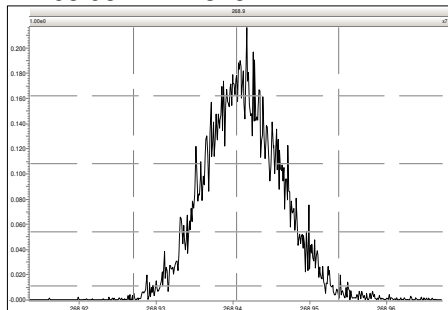
M 242.9856 R 13088



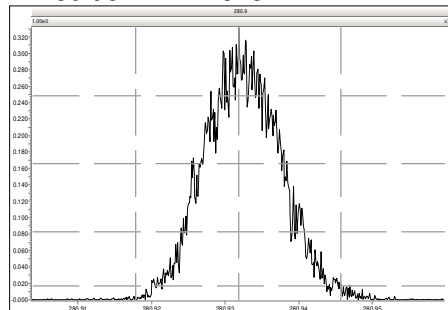
M 254.9856 R 13122



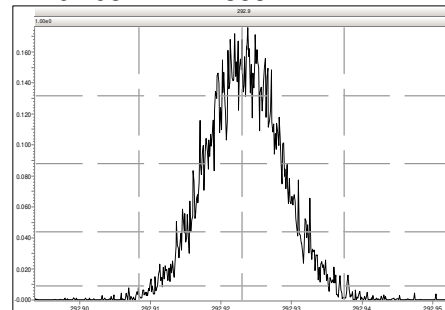
M 268.9824 R 13157



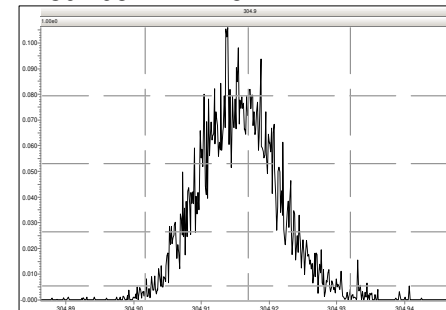
M 280.9824 R 11848



M 292.9824 R 12358

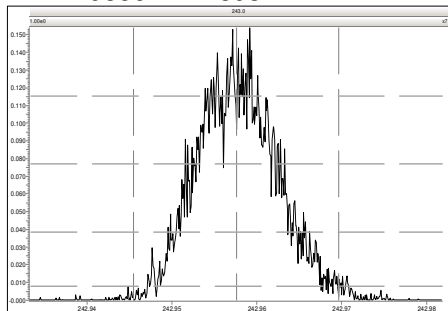


M 304.9824 R 12544

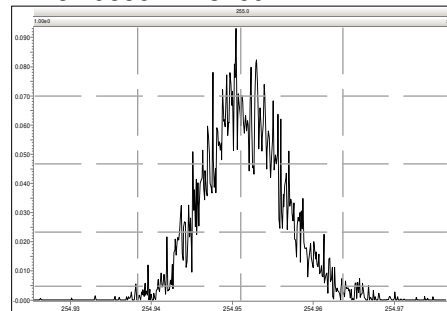


Printed: Tuesday, October 08, 2024 15:17:39 Eastern Daylight Time

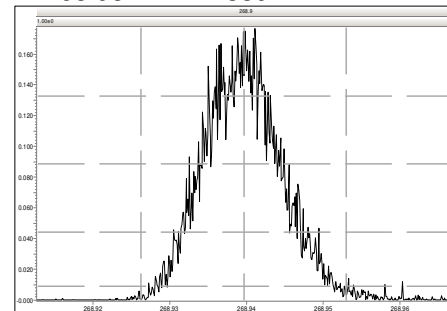
M 242.9856 R 11893



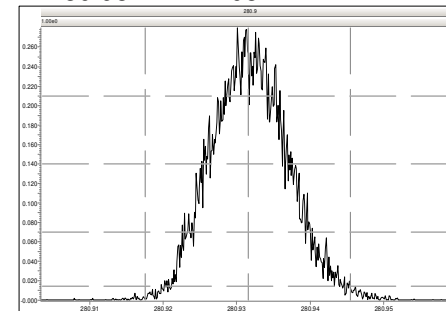
M 254.9856 R 13269



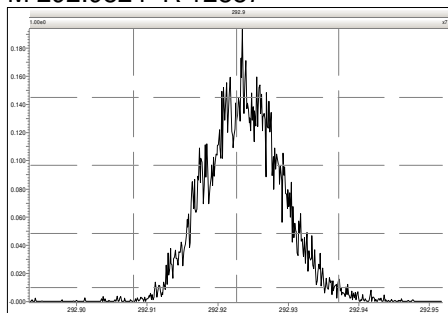
M 268.9824 R 12339



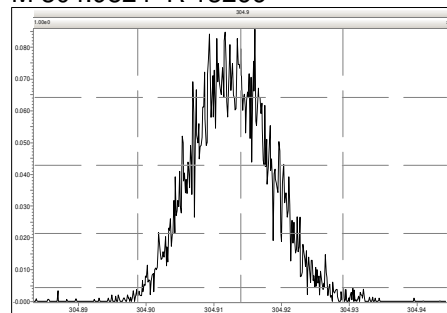
M 280.9824 R 12081



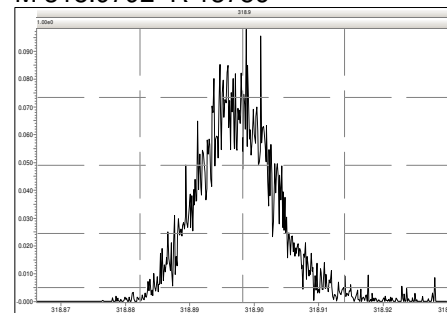
M 292.9824 R 12887



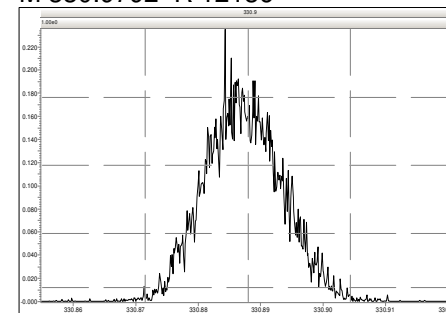
M 304.9824 R 13266



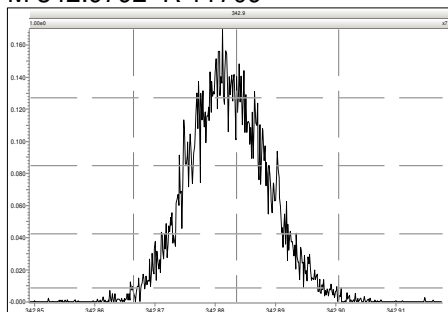
M 318.9792 R 13756



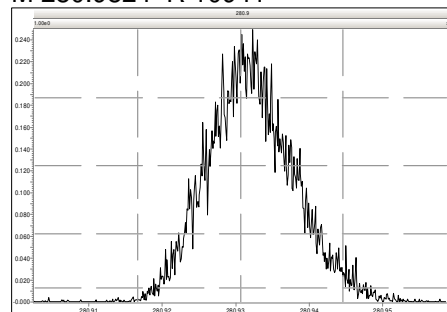
M 330.9792 R 12136



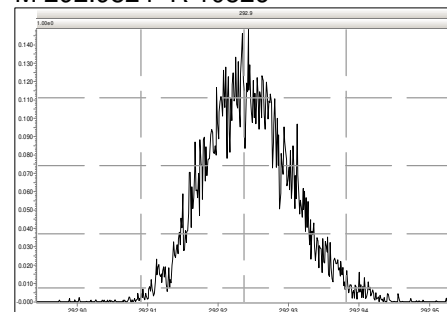
M 342.9792 R 11709



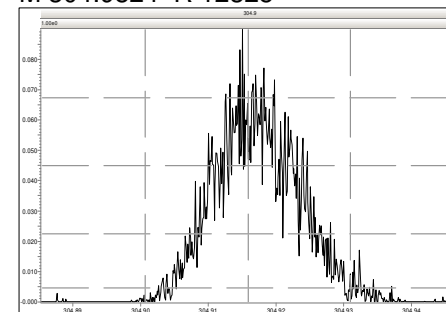
M 280.9824 R 10941



M 292.9824 R 10526

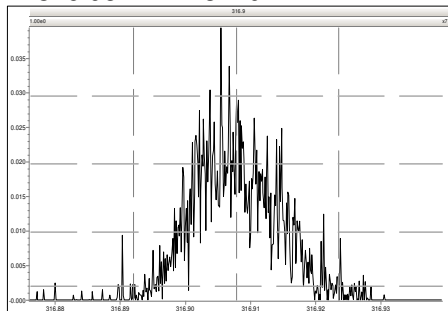


M 304.9824 R 12325

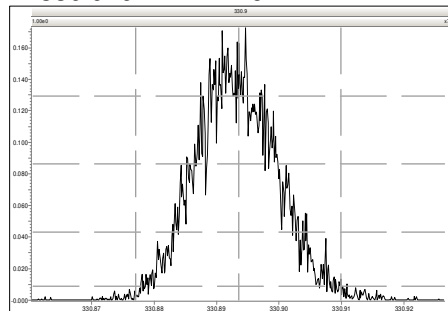


Printed: Tuesday, October 08, 2024 15:17:39 Eastern Daylight Time

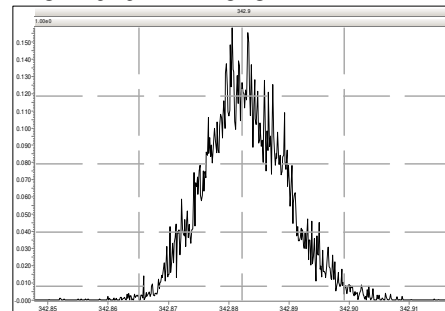
M 316.9824 R 13170



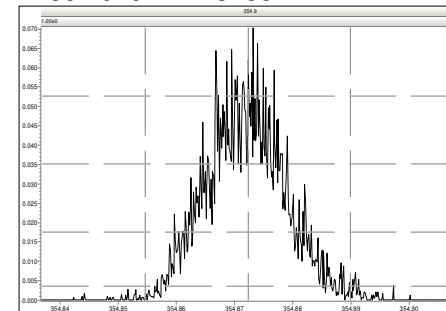
M 330.9792 R 12126



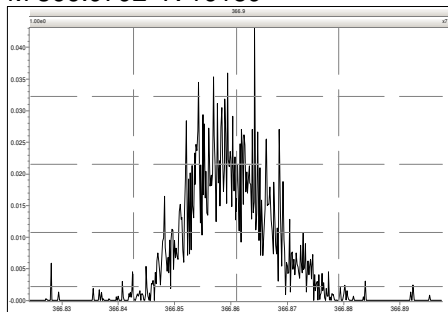
M 342.9792 R 11573



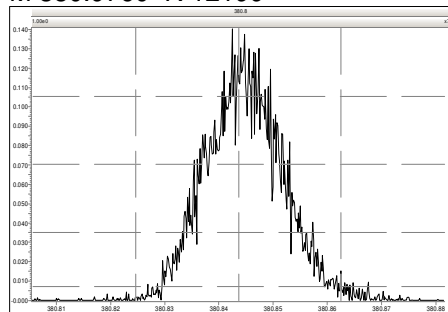
M 354.9792 R 13233



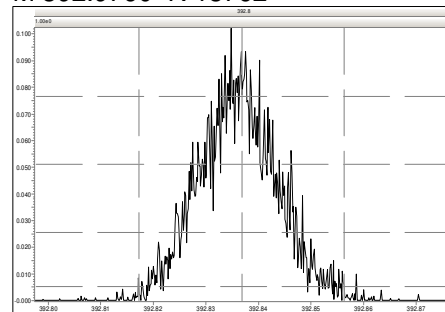
M 366.9792 R 16189



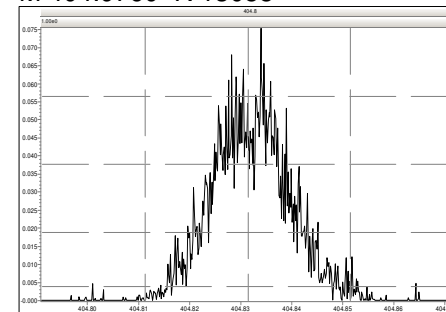
M 380.9760 R 12199



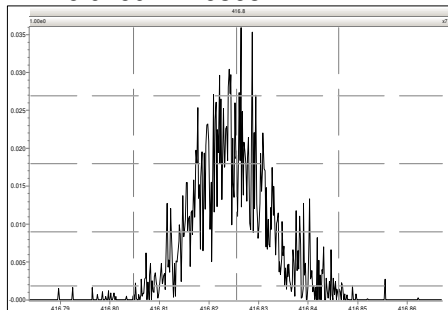
M 392.9760 R 13762



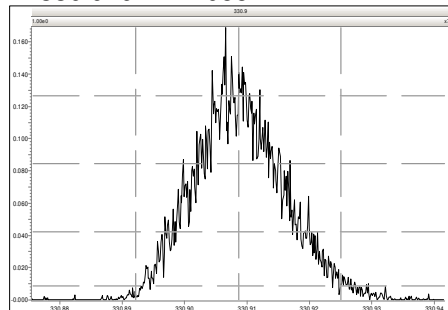
M 404.9760 R 13058



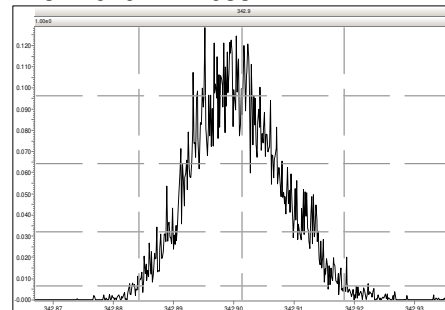
M 416.9760 R 16368



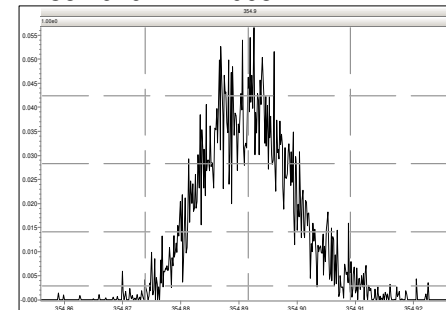
M 330.9792 R 10552



M 342.9792 R 10334

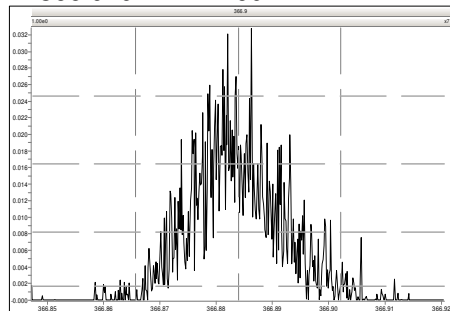


M 354.9792 R 12068

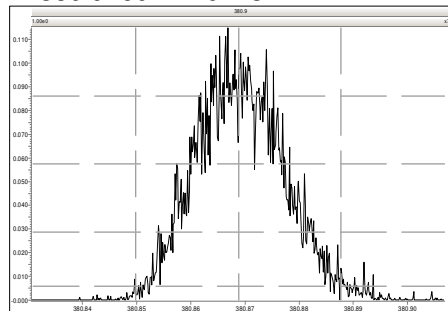


Printed: Tuesday, October 08, 2024 15:17:39 Eastern Daylight Time

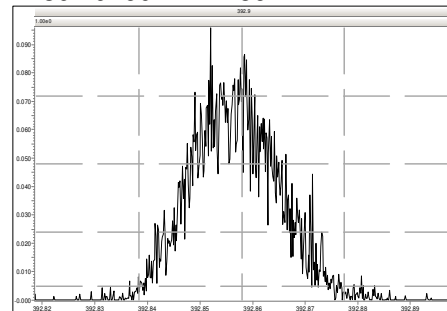
M 366.9792 R 12760



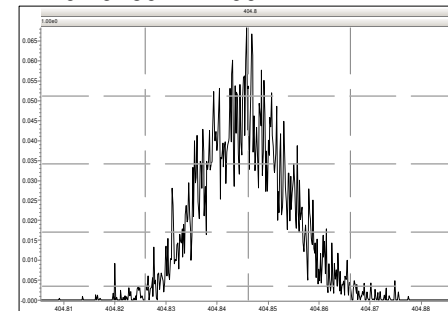
M 380.9760 R 10713



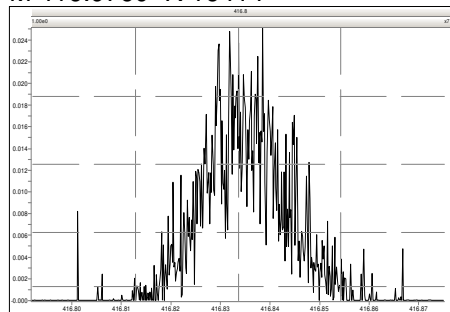
M 392.9760 R 11286



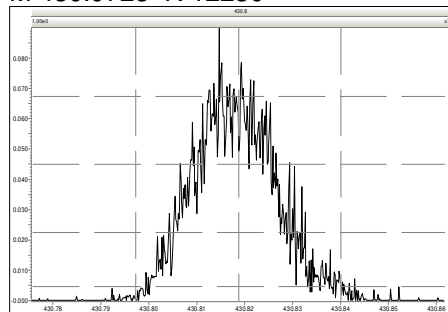
M 404.9760 R 11994



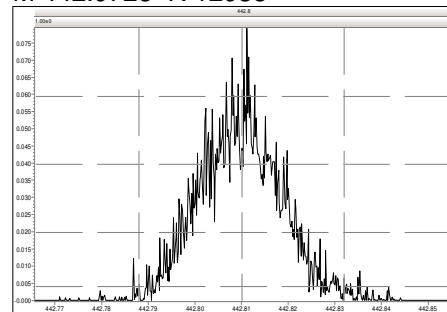
M 416.9760 R 16414



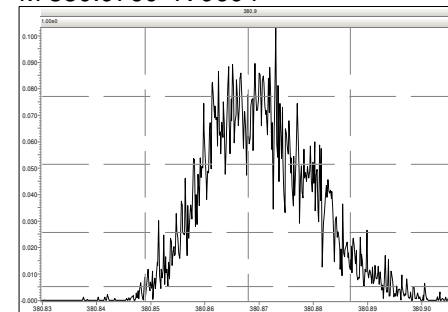
M 430.9728 R 12230



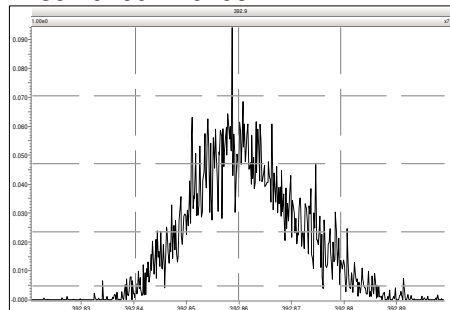
M 442.9728 R 12938



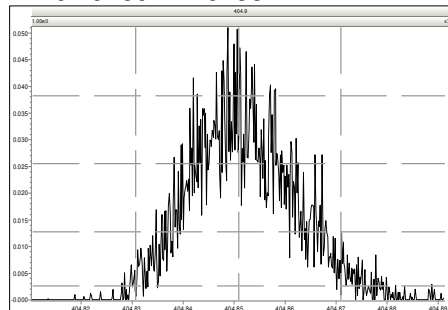
M 380.9760 R 9694



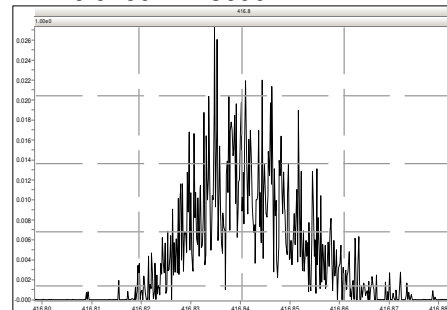
M 392.9760 R 9495



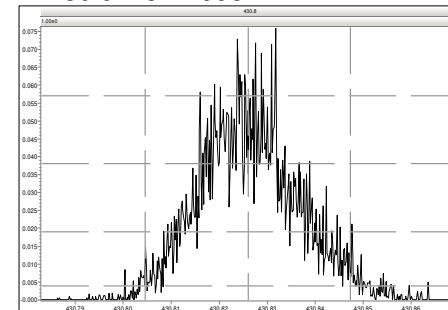
M 404.9760 R 10758



M 416.9760 R 13690

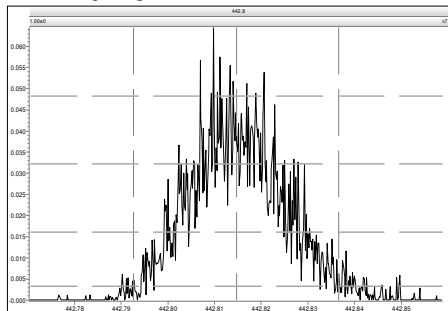


M 430.9728 R 9982

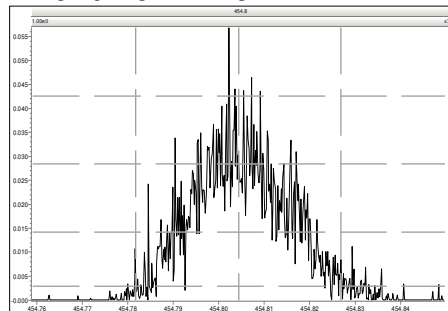


Printed: Tuesday, October 08, 2024 15:17:39 Eastern Daylight Time

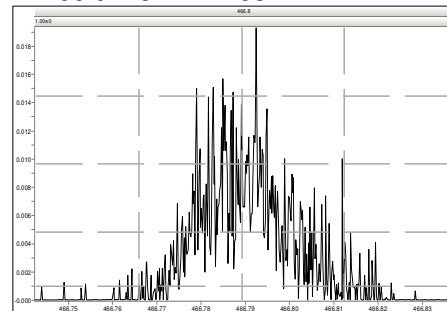
M 442.9728 R 11111



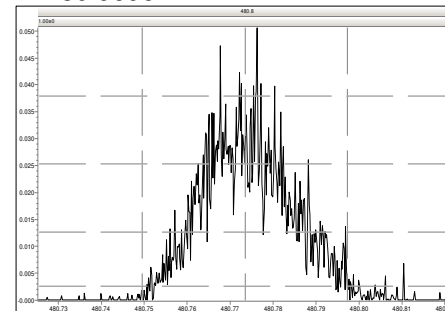
M 454.9728 R 11132



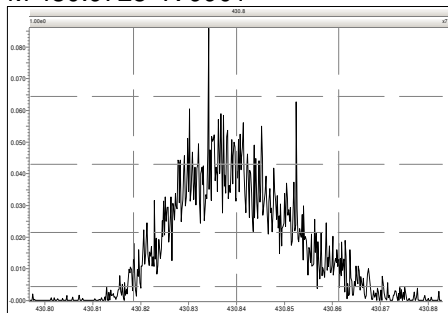
M 466.9728 R 17753



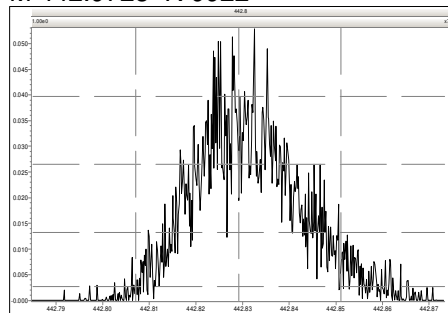
M 480.9696 R 11142



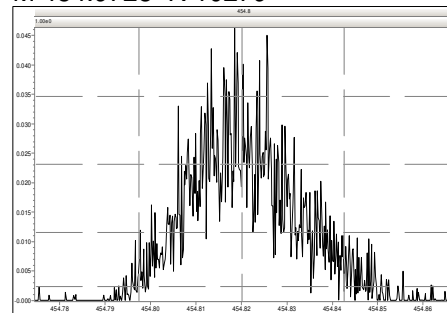
M 430.9728 R 9901



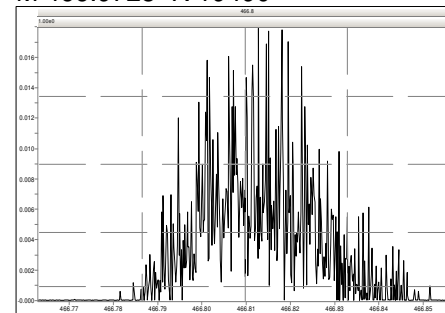
M 442.9728 R 9922



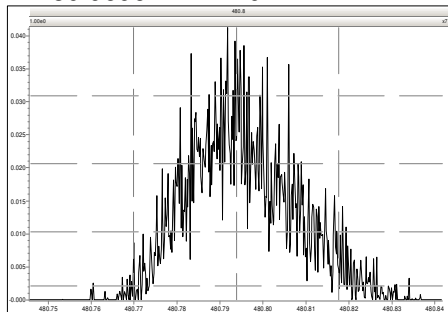
M 454.9728 R 10279



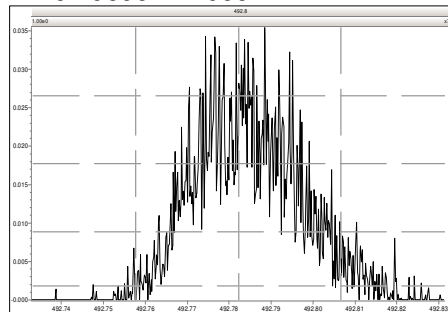
M 466.9728 R 19490



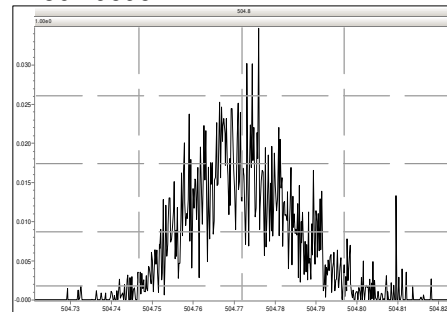
M 480.9696 R 11210



M 492.9696 R 10661

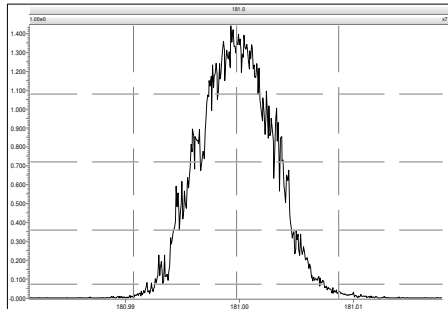


M 504.9696 R 12477

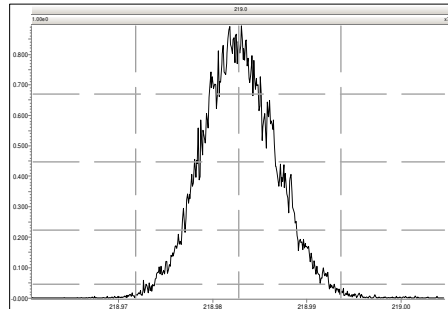


Printed: Wednesday, October 09, 2024 01:25:35 Eastern Daylight Time

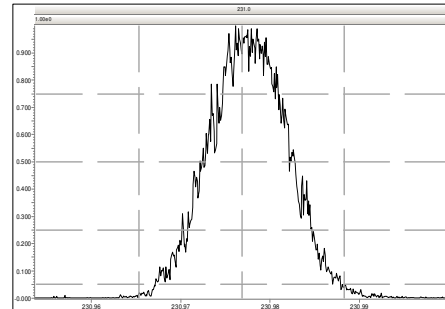
M 180.9888 R 12658



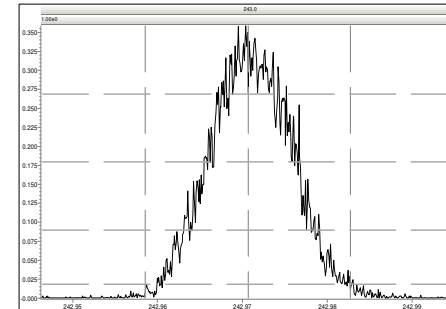
M 218.9856 R 11657



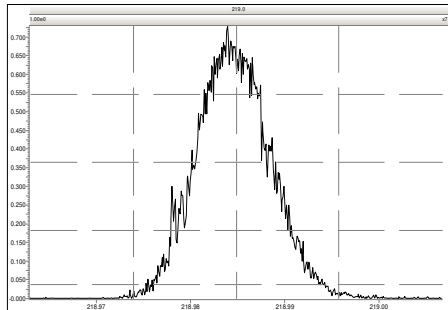
M 230.9856 R 11238



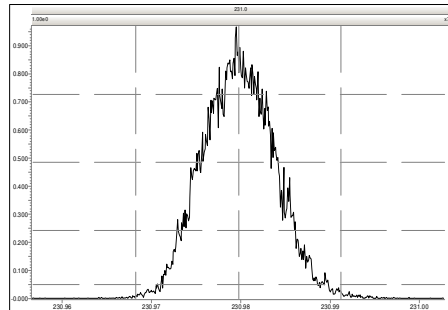
M 242.9856 R 11240



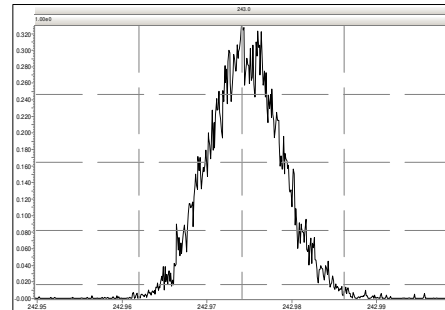
M 218.9856 R 12167



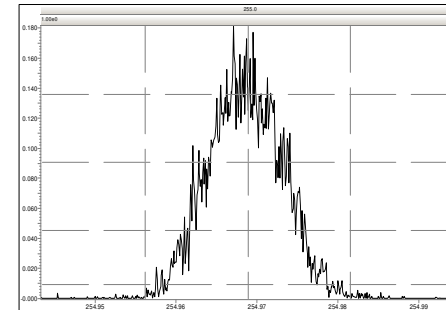
M 230.9856 R 12676



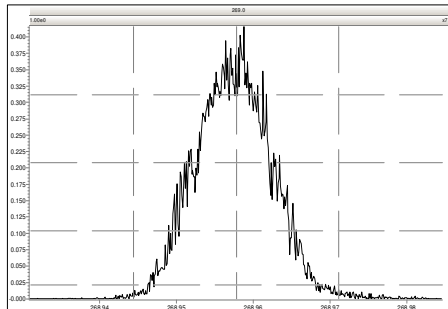
M 242.9856 R 12801



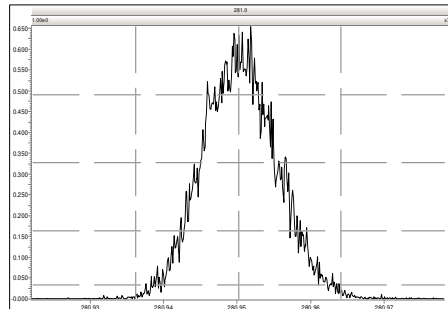
M 254.9856 R 12659



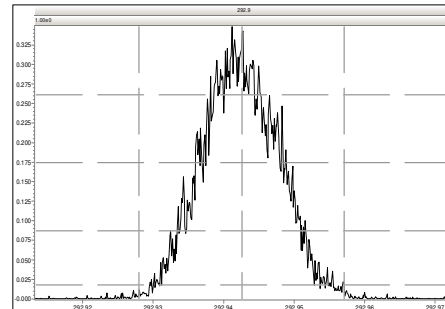
M 268.9824 R 12087



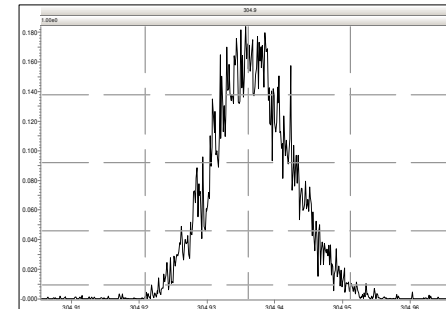
M 280.9824 R 12354



M 292.9824 R 12041

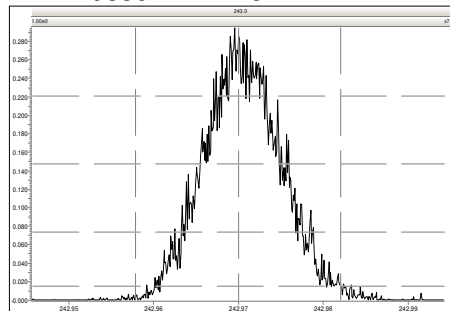


M 304.9824 R 12469

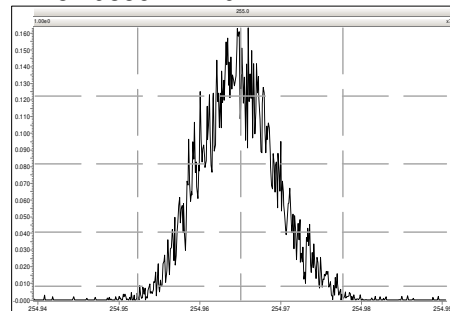


Printed: Wednesday, October 09, 2024 01:25:35 Eastern Daylight Time

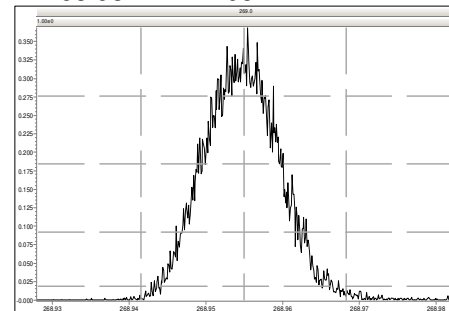
M 242.9856 R 11415



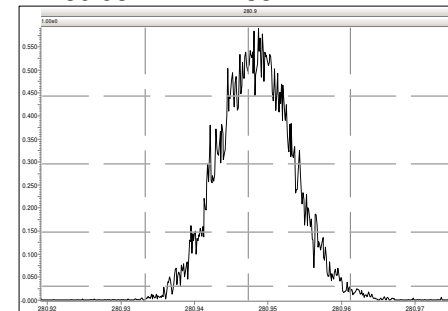
M 254.9856 R 12077



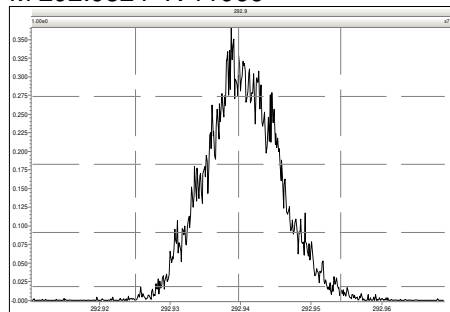
M 268.9824 R 12051



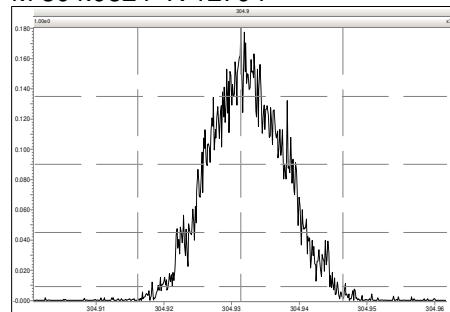
M 280.9824 R 12135



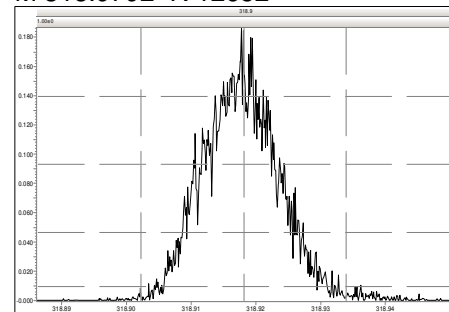
M 292.9824 R 11966



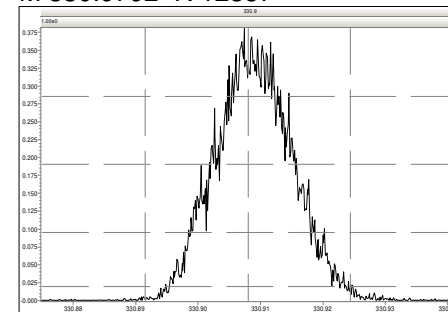
M 304.9824 R 12794



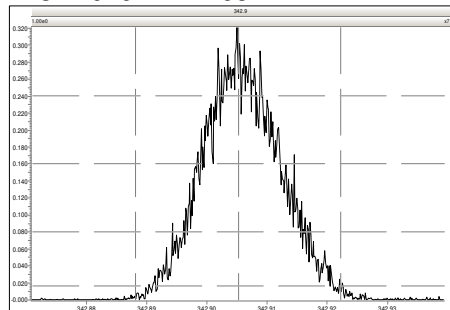
M 318.9792 R 12652



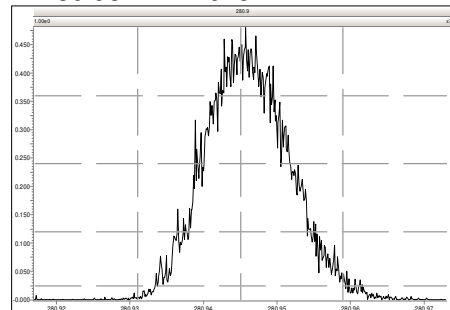
M 330.9792 R 12357



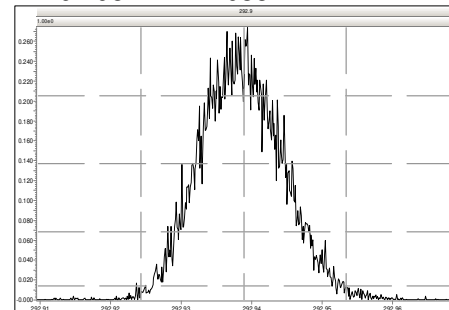
M 342.9792 R 11684



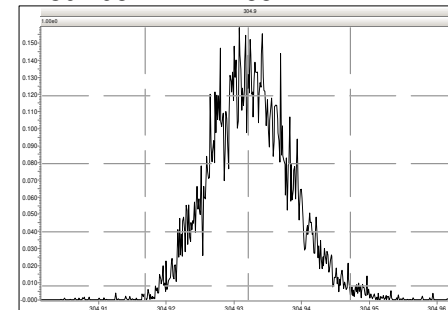
M 280.9824 R 10752



M 292.9824 R 11038

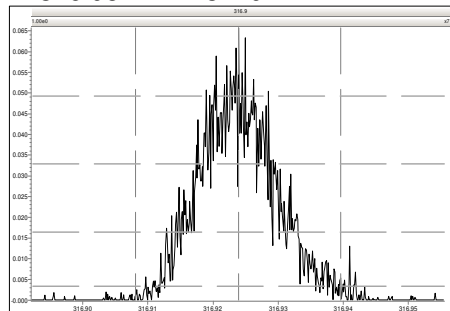


M 304.9824 R 12288

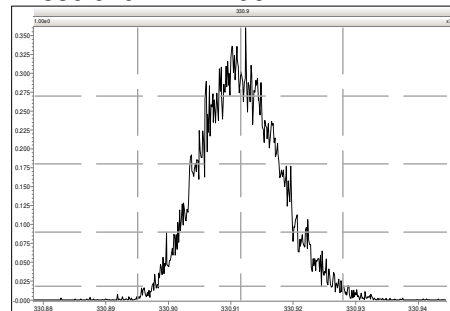


Printed: Wednesday, October 09, 2024 01:25:35 Eastern Daylight Time

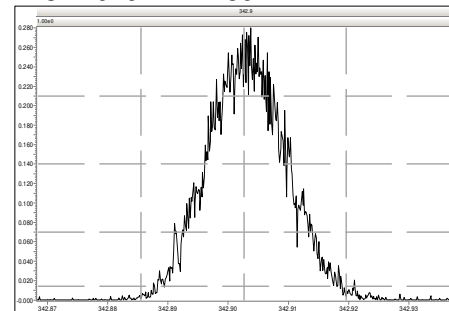
M 316.9824 R 13479



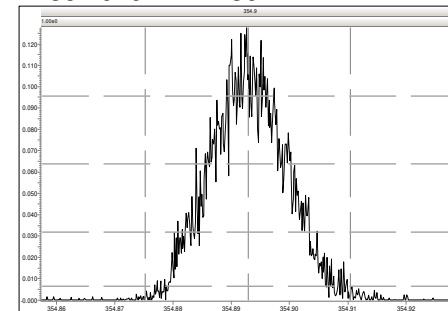
M 330.9792 R 11796



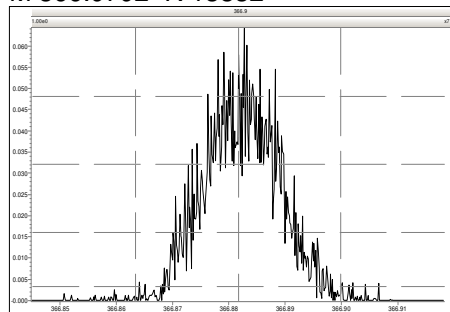
M 342.9792 R 11504



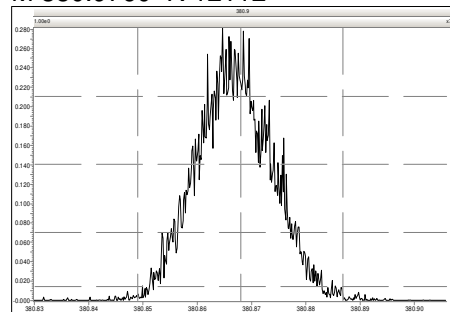
M 354.9792 R 12367



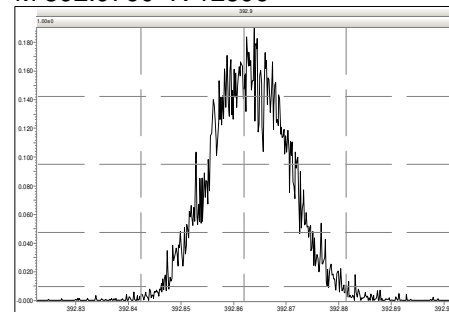
M 366.9792 R 13332



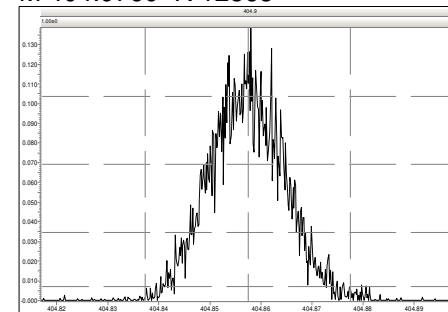
M 380.9760 R 12112



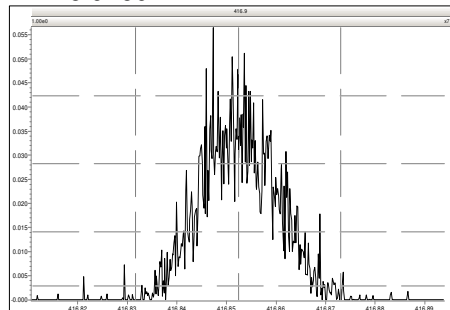
M 392.9760 R 12596



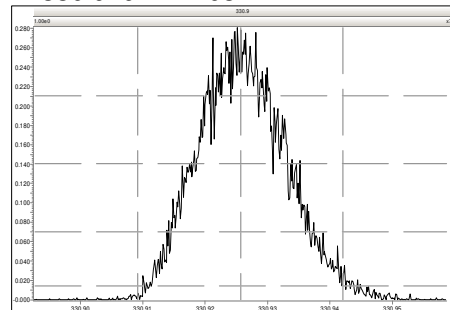
M 404.9760 R 12565



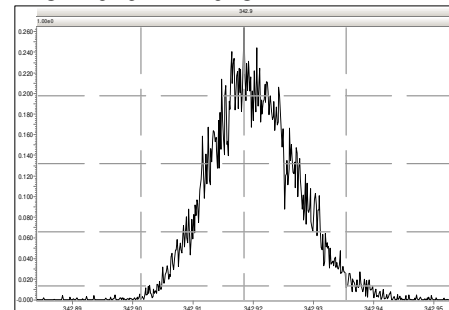
M 416.9760 R 14244



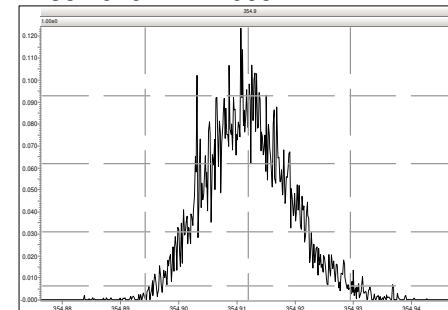
M 330.9792 R 10374



M 342.9792 R 10731

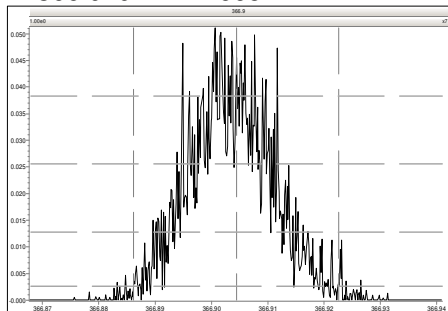


M 354.9792 R 11065

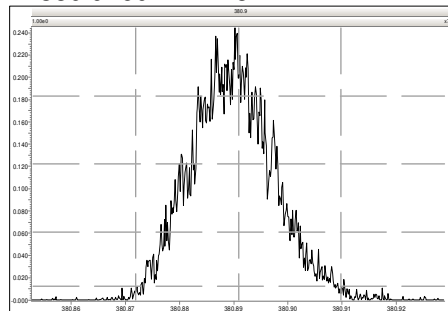


Printed: Wednesday, October 09, 2024 01:25:35 Eastern Daylight Time

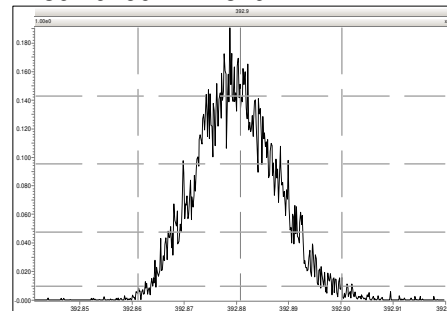
M 366.9792 R 12665



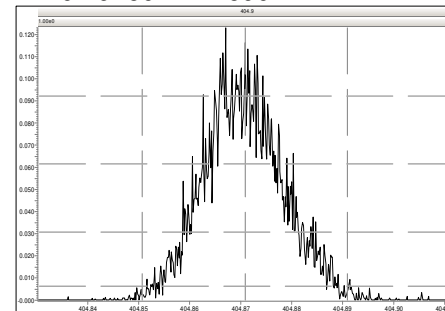
M 380.9760 R 11187



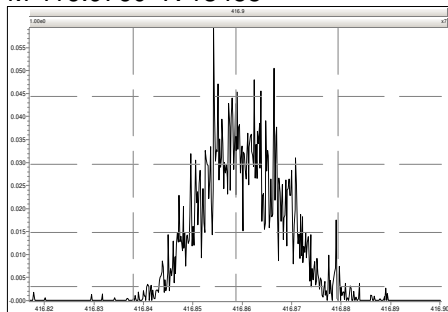
M 392.9760 R 11849



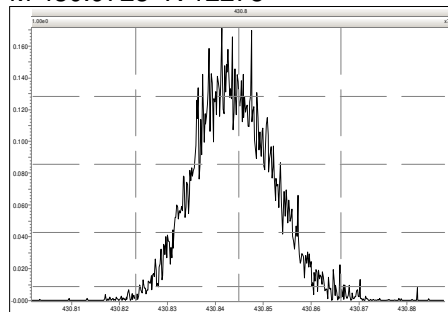
M 404.9760 R 12690



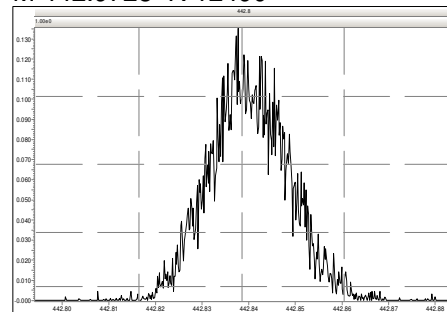
M 416.9760 R 13455



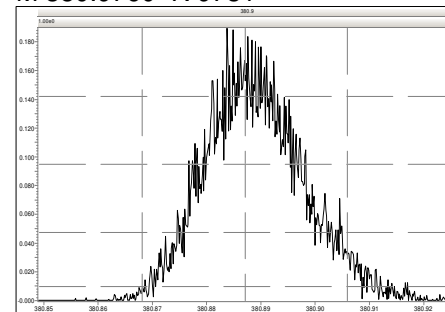
M 430.9728 R 12278



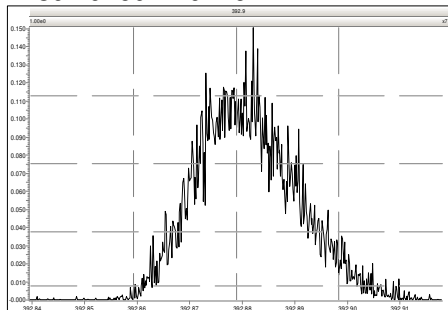
M 442.9728 R 12490



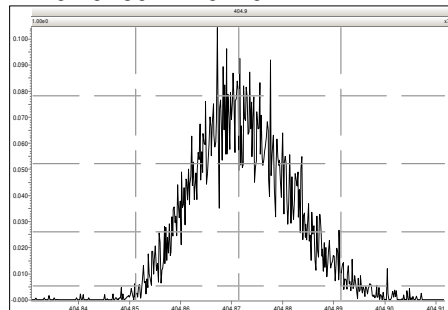
M 380.9760 R 9731



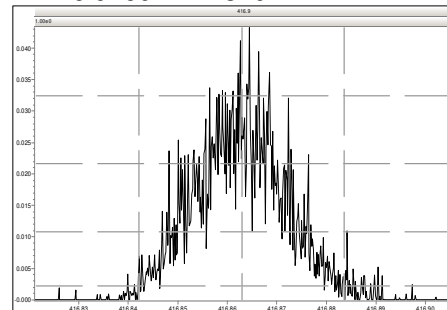
M 392.9760 R 9416



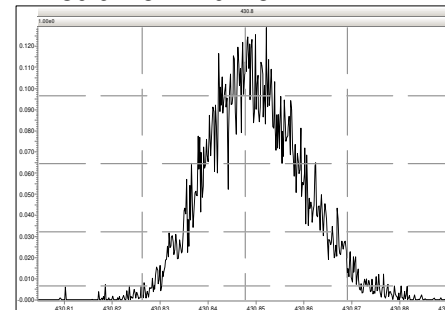
M 404.9760 R 10270



M 416.9760 R 11310

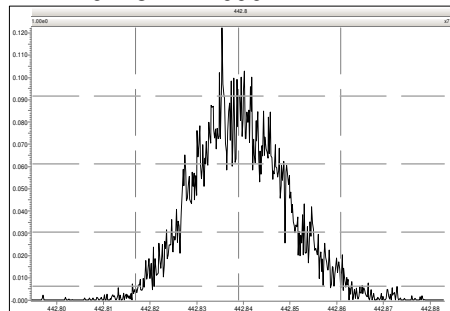


M 430.9728 R 10228

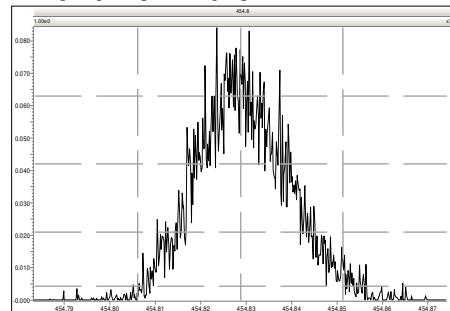


Printed: Wednesday, October 09, 2024 01:25:35 Eastern Daylight Time

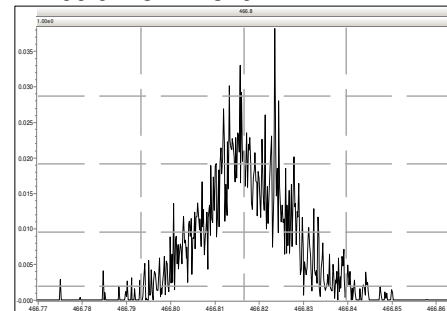
M 442.9728 R 11090



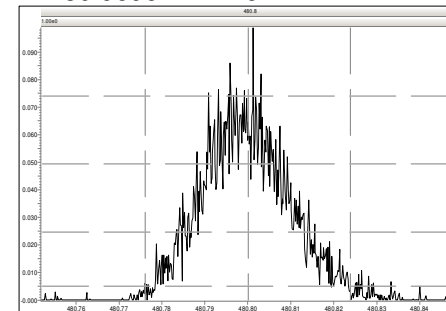
M 454.9728 R 10731



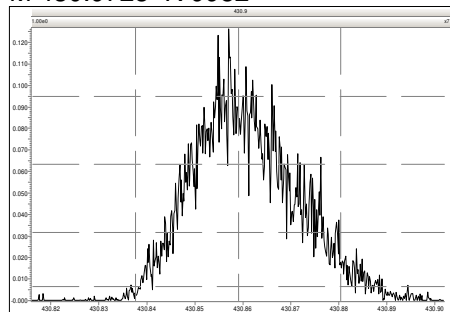
M 466.9728 R 13494



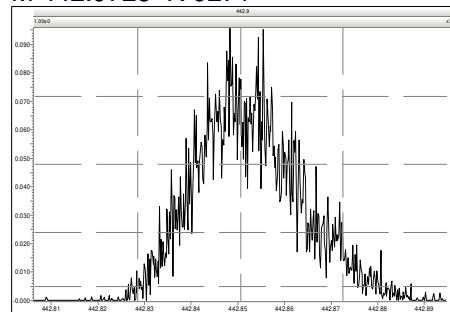
M 480.9696 R 11462



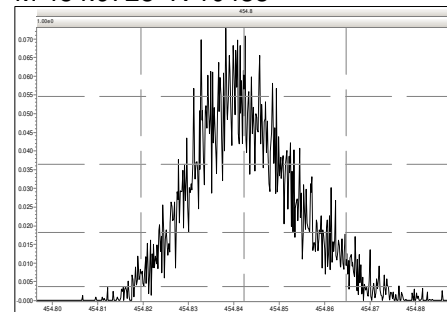
M 430.9728 R 9982



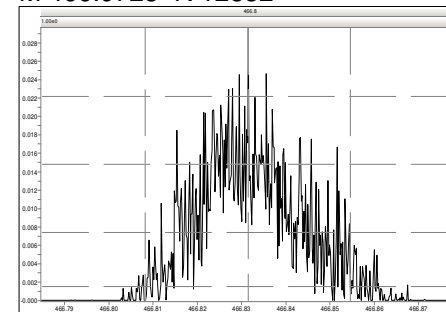
M 442.9728 R 9271



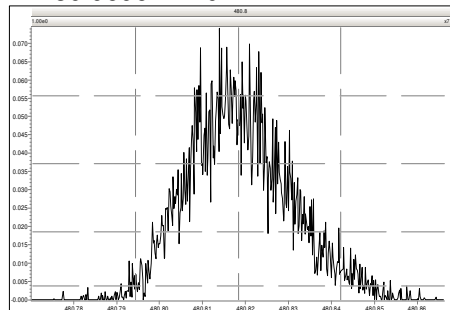
M 454.9728 R 10438



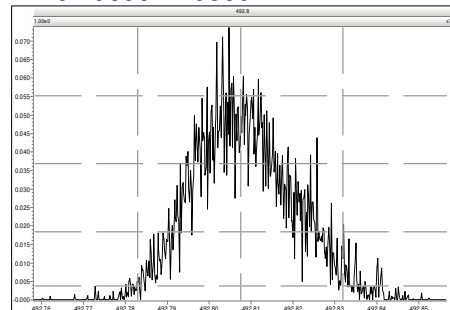
M 466.9728 R 12832



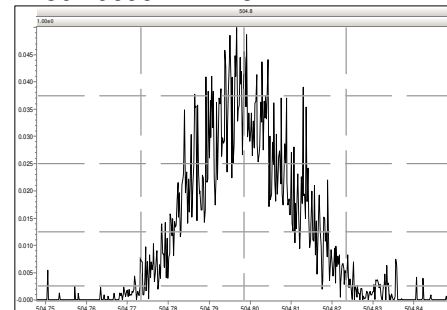
M 480.9696 R 10424



M 492.9696 R 9560



M 504.9696 R 11457



HR-PAH ICAL Summary			SGS North America					Printed: 06-Mar-24 15:57
ICAL: MM6_PAH_ICAL_05MAR2024								
Acquired: 3/5/2024			240305V06	240305V07	240305V08	240305V09	240305V10	
			10	50	100	500	1000	
Name	Mean	% RSD	CS1	CS2	CS3	CS4	CS5	
13C6-Naphthalene	1.35	6.3%	1.41	1.27	1.46	1.30	1.29	
13C6-2-Methylnaphthalene	0.99	4.6%	1.01	0.92	1.04	1.00	0.99	
13C6-Acenaphthylene	1.37	6.4%	1.41	1.22	1.45	1.38	1.37	
13C6-Acenaphthene	0.91	5.2%	0.93	0.83	0.95	0.92	0.92	
13C6-Fluorene	1.09	5.8%	1.15	0.99	1.14	1.08	1.10	
13C6-Phenanthrene	1.91	5.5%	1.96	1.75	1.96	1.87	2.01	
13C6-Anthracene	1.35	5.5%	1.38	1.22	1.38	1.35	1.41	
13C6-Fluoranthene	1.23	4.8%	1.26	1.13	1.29	1.22	1.23	
13C3-Pyrene	1.23	4.9%	1.25	1.13	1.29	1.24	1.26	
13C6-Benzo(a)Anthracene	0.86	9.1%	0.82	0.75	0.89	0.92	0.95	
13C6-Chrysene	1.19	7.0%	1.17	1.05	1.27	1.23	1.22	
13C6-Benzo(b)Fluoranthene	1.28	3.9%	1.29	1.19	1.30	1.31	1.29	
13C6-Benzo(k)Fluoranthene	1.82	5.0%	1.92	1.73	1.90	1.81	1.74	
13C4-Benzo(e)Pyrene	1.56	6.5%	1.69	1.50	1.64	1.52	1.45	
13C4-Benzo(a)Pyrene	1.23	4.9%	1.33	1.22	1.22	1.18	1.18	
d12-Perylene	1.13	6.3%	1.19	1.04	1.21	1.11	1.08	
13C6-Indeno(1,2,3-cd)Pyrene	0.85	9.5%	0.84	0.73	0.86	0.88	0.95	
13C6-Dibenzo(ah)Anthracene	0.94	15.8%	0.85	0.74	0.96	1.01	1.13	
13C12-Benzo(ghi)Perylene	1.33	4.7%	1.32	1.22	1.36	1.37	1.37	
AS--Anthracene	1.17	7.0%	1.10	1.22	1.28	1.08	1.19	
SS-Fluorene	1.00	8.7%	0.89	1.09	1.09	0.96	0.98	
SS-Terphenyl	0.79	8.8%	0.72	0.87	0.87	0.75	0.77	
JS-Methylnaphthalene	-	-	-	-	-	-	-	
JS-Acenaphthene	-	-	-	-	-	-	-	
JS-Pyrene	-	-	-	-	-	-	-	
JS-Benzo(a)Pyrene	-	-	-	-	-	-	-	



5500 Business Drive
Wilmington, NC 28405

Departure from Standard Policies and Procedures

Initiated by: Tyler Fritz

Date Initiated: 3/8/24

Laboratory Project ID: N/A

Sample IDs effected: N/A

Reason for Departure
from Standard Policy or
Procedure:

New M23 ICAL limits are too tight
for PAHs. Unable to meet new M23 ICAL limits
New ICAL is not tiered. All ESs are at 100ppb

Describe (in detail) the
alternative steps that will
be taken:

Using historical limits of 30% RPD for native
PAHs in ICAL.

Customer contacted:

☒ Yes
☐ No

Date contacted: See final report

Client contact:

Via case narrative

Authorized by Technical

Director:

Greg Dickinson

Date Authorized: 03-08-2024

Authorized by QA

Manager:

Jeanine Mitchell

Date Authorized: 3-8-2024

☒ Supporting Data (if available) attached

ICAL Raw data

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pah

GC Program: pah

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
0	240305V05	4	SB_240305_PAH_VC	1.00	Isooctane	DTF	129-573	05-Mar-2024	16:04:05
6	240305V06	9	CS1_240305_PAH_VA	1.00	SIL -27-81-2	DTF	974-350	05-Mar-2024	16:50:44
7	240305V07	10	CS2_240305_PAH_VA	1.00	SIL -27-81-1	DTF	356-753	05-Mar-2024	17:37:15
8	240305V08	11	CS3_240305_PAH_VA	1.00	SIL -27-80-3	DTF	973-923	05-Mar-2024	18:23:53
9	240305V09	12	CS4_240305_PAH_VA	1.00	SIL -27-80-2	DTF	696-498	05-Mar-2024	19:10:31
10	240305V10	13	CS5_240305_PAH_VA	1.00	SIL -27-80-1	DTF	225-555	05-Mar-2024	19:57:08

REVIEWED

Tyler_Fritz , 3/6/2024, 4:12:04 PM

REVIEWED

Carla_Lyon , 3/8/2024, 11:55:39 AM

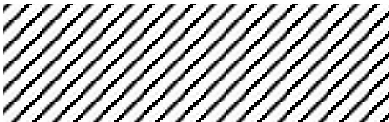
SGS

PAH
ICAL

All labeled extraction standards are spiked at 100 pg/uL in MM6_PAH_ICAL_05MAR2024. Departure from standard procedures document attached. CL 08Mar24

PAH ICAL pg / µL	CS-1	CS-2	CS-3	CS-4	CS-5
Naphthalene	10	50	100	500	1000
2-Methylnaphthalene	10	50	100	500	1000
Acenaphthylene	10	50	100	500	1000
Acenaphthene	10	50	100	500	1000
Fluorene	10	50	100	500	1000
Phenanthrene	10	50	100	500	1000
Anthracene	10	50	100	500	1000
Fluoranthene	10	50	100	500	1000
Pyrene	10	50	100	500	1000
Benzo(a)Anthracene	10	50	100	500	1000
Chrysene	10	50	100	500	1000
Benzo(b)Fluoranthene	10	50	100	500	1000
Benzo(k)Fluoranthene	10	50	100	500	1000
Benzo(e)Pyrene	10	50	100	500	1000
Benzo(a)Pyrene	10	50	100	500	1000
Perylene	10	50	100	500	1000
Indeno(123-cd)Pyrene	10	50	100	500	1000
Dibenz(a,h)Anthracene	10	50	100	500	1000
Benzo(ghi)Perylene	10	50	100	500	1000
<u>Extraction Standards</u>					
¹³ C ₆ - Naphthalene	100	100	100	100	100
¹³ C ₆ -2-Methylnaphthalene	100	100	100	100	100
¹³ C ₆ - Acenaphthylene	100	100	100	100	100
¹³ C ₆ -Acenaphthene	100	100	100	100	100
¹³ C ₆ -Fluorene	100	100	100	100	100
¹³ C ₆ - Phenanthrene	100	100	100	100	100
¹³ C ₆ -Anthracene	100	100	100	100	100
¹³ C ₆ - Fluoranthene	100	100	100	100	100
¹³ C ₃ -Pyrene	100	100	100	100	100
¹³ C ₆ - Benzo(a)Anthracene	100	100	100	100	100
¹³ C ₆ - Chrysene	100	100	100	100	100
¹³ C ₆ - Benzo(b)Fluoranthene	200 100	200 100	200 100	200 100	200 100
¹³ C ₆ - Benzo(k)Fluoranthene	200 100	200 100	200 100	200 100	200 100
¹³ C ₄ -Benzo(e)Pyrene	200 100	200 100	200 100	200 100	200 100
¹³ C ₄ - Benzo(a)Pyrene	200 100	200 100	200 100	200 100	200 100
d ₁₂ - Perylene	200 100	200 100	200 100	200 100	200 100
¹³ C ₆ - Indeno(123-cd)Pyrene	200 100	200 100	200 100	200 100	200 100
¹³ C ₆ - Dibenz(a,h)Anthracene	200 100	200 100	200 100	200 100	200 100
¹³ C ₁₂ - Benzo(ghi)Perylene	200 100	200 100	200 100	200 100	200 100
<u>Sampling Standards</u>					
d ₁₀ -Fluorene	100	100	100	100	100
d ₁₄ -Terphenyl	100	100	100	100	100
<u>Alternate Standard</u>					
d ₁₀ -Anthracene	100	100	100	100	100
<u>Injection Standards</u>					
d ₁₀ -2-Methylnaphthalene	100	100	100	100	100
d ₁₀ -Acenaphthene	100	100	100	100	100
d ₁₀ -Pyrene	100	100	100	100	100
d ₁₂ -Benzo(a)Pyrene	100	100	100	100	100

PAH STD Data

Name	JS/ES Name
13C6-Naphthalene	JS-Methylnaphthalene
13C6-2-Methylnaphthalene	JS-Methylnaphthalene
13C6-Acenaphthylene	JS-Acenaphthene
13C6-Acenaphthene	JS-Acenaphthene
13C6-Fluorene	JS-Acenaphthene
13C6-Phenanthrene	JS-Acenaphthene
13C6-Anthracene	JS-Acenaphthene
13C6-Fluoranthene	JS-Pyrene
13C3-Pyrene	JS-Pyrene
13C6-Benzo(a)Anthracene	JS-Pyrene
13C6-Chrysene	JS-Pyrene
13C6-Benzo(b)Fluoranthene	JS-Benzo(a)Pyrene
13C6-Benzo(k)Fluoranthene	JS-Benzo(a)Pyrene
13C4-Benzo(e)Pyrene	JS-Benzo(a)Pyrene
13C4-Benzo(a)Pyrene	JS-Benzo(a)Pyrene
d12-Perylene	JS-Benzo(a)Pyrene
13C6-Indeno(1,2,3-cd)Pyrene	JS-Benzo(a)Pyrene
13C6-Dibenzo(ah)Anthracene	JS-Benzo(a)Pyrene
13C12-Benzo(ghi)Perylene	JS-Benzo(a)Pyrene
SS-Fluorene	13C6-Fluorene
SS-Terphenyl	13C6-Fluoranthene
AS--Anthracene	JS-Acenaphthene
JS-Methylnaphthalene	
JS-Acenaphthene	
JS-Pyrene	
JS-Benzo(a)Pyrene	

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS1_240305_PAH_VA
Acquired: 05 Mar 2024 16:50:44
Datafile: 240305V06

MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	9.55	1.02E+07	-	0.99	0.94	-4.8%
2-Methylnaphthalene	12.28	7.53E+06	-	1.01	0.98	-2.7%
Acenaphthylene	15.28	5.12E+06	-	0.92	0.80	-13.1%
Acenaphthene	15.85	3.99E+06	-	1.01	0.95	-6.5%
Fluorene	17.46	4.94E+06	-	1.02	0.95	-7.0%
Phenanthrene	20.22	8.66E+06	-	1.00	0.98	-2.1%
Anthracene	20.36	7.41E+06	-	1.23	1.19	-3.8%
Fluoranthene	23.38	6.78E+06	-	0.92	0.88	-4.1%
Pyrene	23.96	7.50E+06	-	0.98	0.98	0.0%
Benzo(a)Anthracene	27.00	4.68E+06	-	1.00	0.94	-6.2%
Chrysene	27.09	6.89E+06	-	1.01	0.96	-4.3%
Benzo(b)Fluoranthene	30.39	3.00E+06	-	0.98	0.99	1.2%
Benzo(k)Fluoranthene	30.49	3.77E+06	-	0.92	0.84	-8.2%
Benzo(e)Pyrene	31.47	3.78E+06	-	0.98	0.96	-1.7%
Benzo(a)Pyrene	31.70	2.69E+06	-	0.98	0.87	-11.5%
Perylene	32.05	2.52E+06	-	1.06	0.91	-14.0%
Indeno(1,2,3-cd)Pyrene	37.47	1.69E+06	-	0.92	0.87	-5.5%
Dibenzo(a,h)Anthracene	37.68	1.76E+06	-	0.94	0.89	-5.1%
Benzo(ghi)Perylene	39.19	2.68E+06	-	0.97	0.87	-9.7%

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS1_240305_PAH_VA
Acquired: 05 Mar 2024 16:50:44
Datafile: 240305V06

MM6_PAH_ICAL_05MAR2024

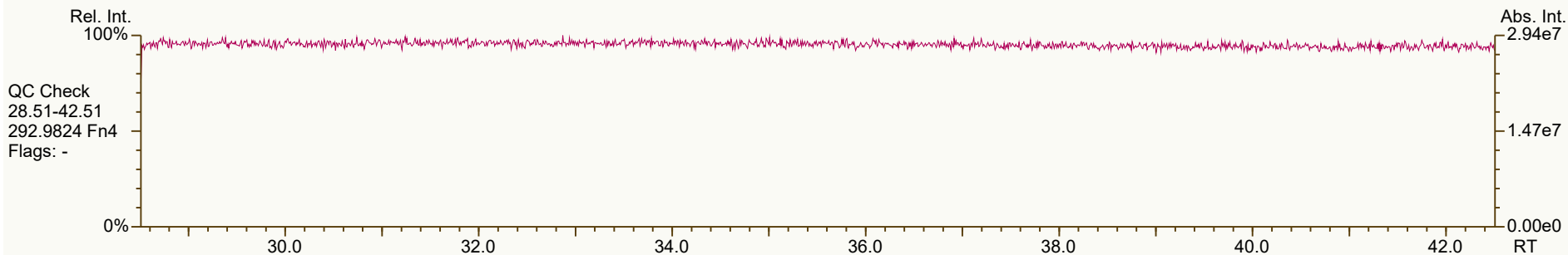
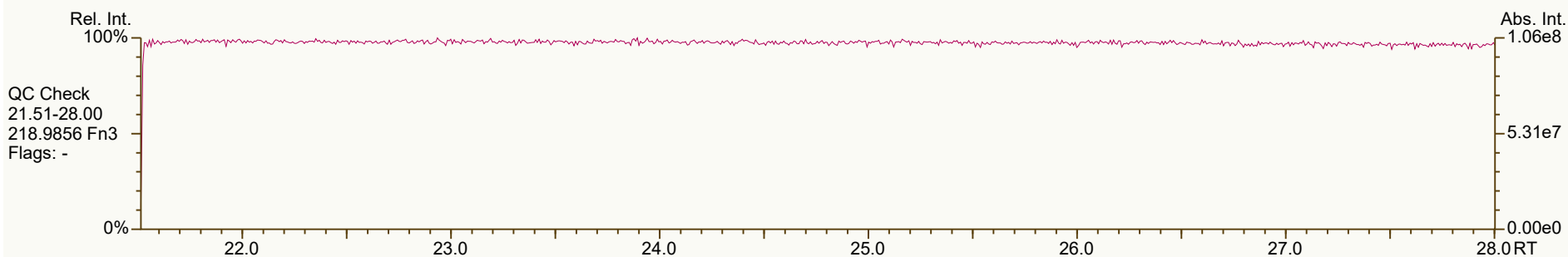
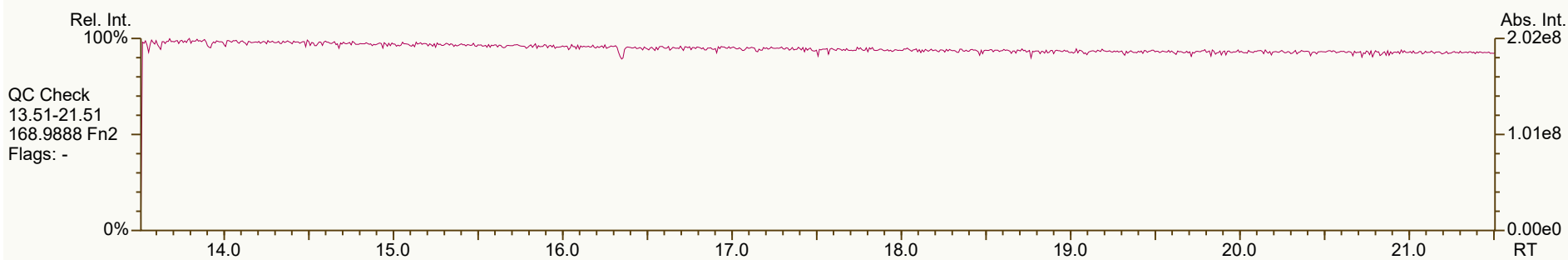
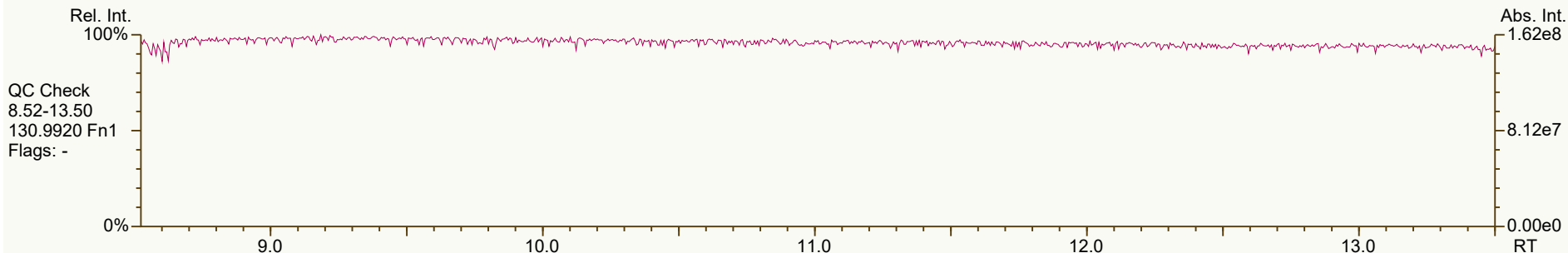
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.54	1.08E+08	-	1.35	1.41	4.7%
13C6-2-Methylnaphthalene	12.27	7.68E+07	-	0.99	1.01	1.8%
13C6-Acenaphthylene	15.27	6.39E+07	-	1.37	1.41	3.2%
13C6-Acenaphthene	15.84	4.21E+07	-	0.91	0.93	2.2%
13C6-Fluorene	17.46	5.23E+07	-	1.09	1.15	5.6%
13C6-Phenanthrene	20.22	8.87E+07	-	1.91	1.96	2.6%
13C6-Anthracene	20.36	6.25E+07	-	1.35	1.38	2.4%
13C6-Fluoranthene	23.37	7.71E+07	-	1.23	1.26	3.0%
13C3-Pyrene	23.96	7.65E+07	-	1.23	1.25	1.6%
13C6-Benzo(a)Anthracene	26.99	4.98E+07	-	0.86	0.82	-5.6%
13C6-Chrysene	27.09	7.14E+07	-	1.19	1.17	-1.5%
13C6-Benzo(b)Fluoranthene	30.39	3.01E+07	-	1.28	1.29	1.4%
13C6-Benzo(k)Fluoranthene	30.49	4.48E+07	-	1.82	1.92	5.7%
13C4-Benzo(e)Pyrene	31.47	3.94E+07	-	1.56	1.69	8.4%
13C4-Benzo(a)Pyrene	31.69	3.09E+07	-	1.23	1.33	8.3%
d12-Perylene	31.92	2.77E+07	-	1.13	1.19	5.7%
13C6-Indeno(1,2,3-cd)Pyrene	37.47	1.95E+07	-	0.85	0.84	-1.6%
13C6-Dibenzo(ah)Anthracene	37.66	1.98E+07	-	0.94	0.85	-9.7%
13C12-Benzo(ghi)Perylene	39.18	3.07E+07	-	1.33	1.32	-0.8%
AS--Anthracene	20.31	5.00E+07	-	1.17	1.10	-5.8%
SS-Fluorene	17.37	4.63E+07	-	1.00	0.89	-11.6%
SS-Terphenyl	24.35	5.52E+07	-	0.79	0.72	-9.9%
JS-Methylnaphthalene	12.15	7.63E+07	-	-	-	-
JS-Acenaphthene	15.74	4.53E+07	-	-	-	-
JS-Pyrene	23.91	6.10E+07	-	-	-	-
JS-Benzo(a)Pyrene	31.59	2.33E+07	-	-	-	-

974-350-PBN

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



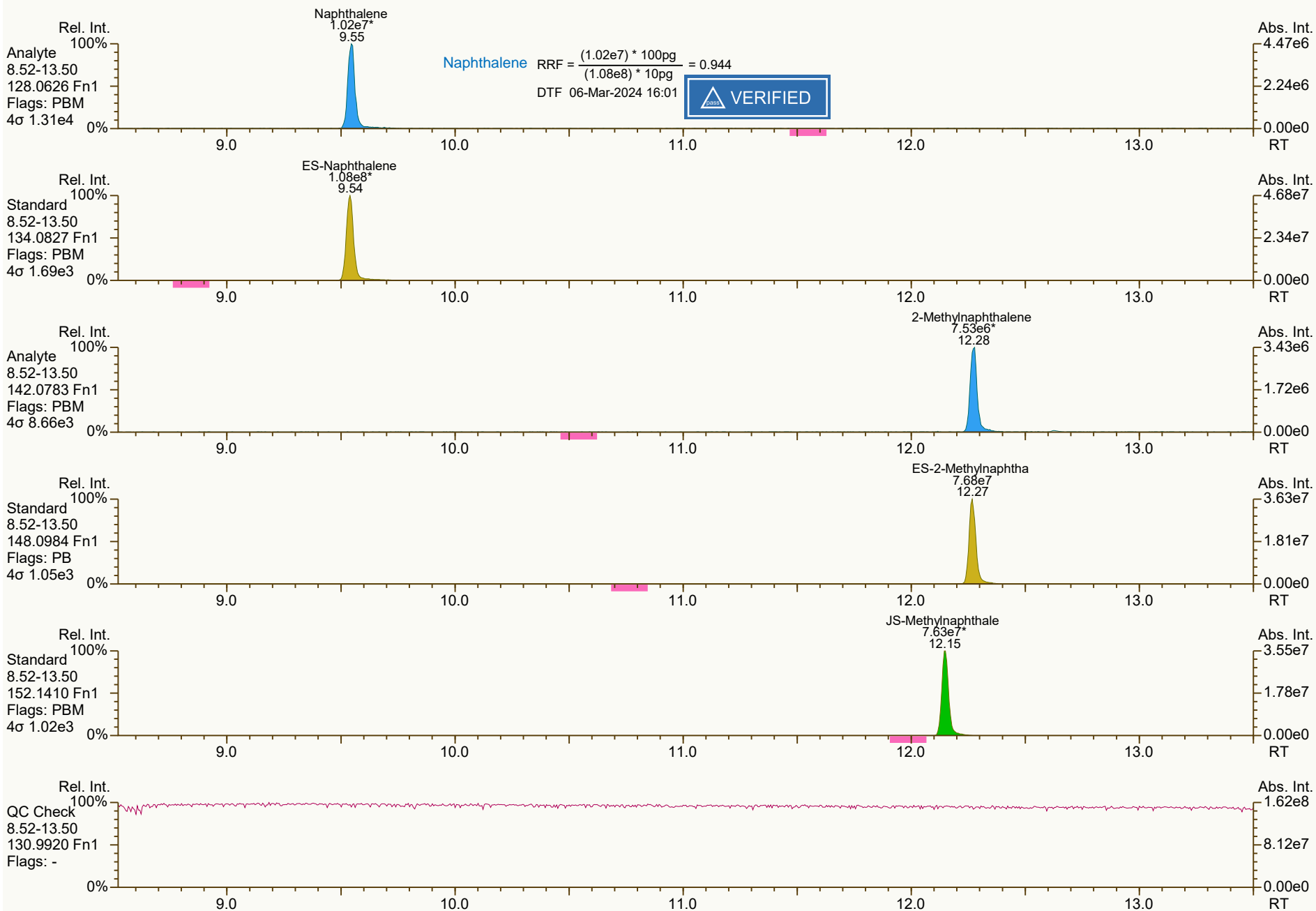
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 974-350

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 16:07 Page 1 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1816, 6614, 5937, 1574, 9771 scc: 974-350

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:33 (DTF) Printed: 06-Mar-2024 16:07 Page 2 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)

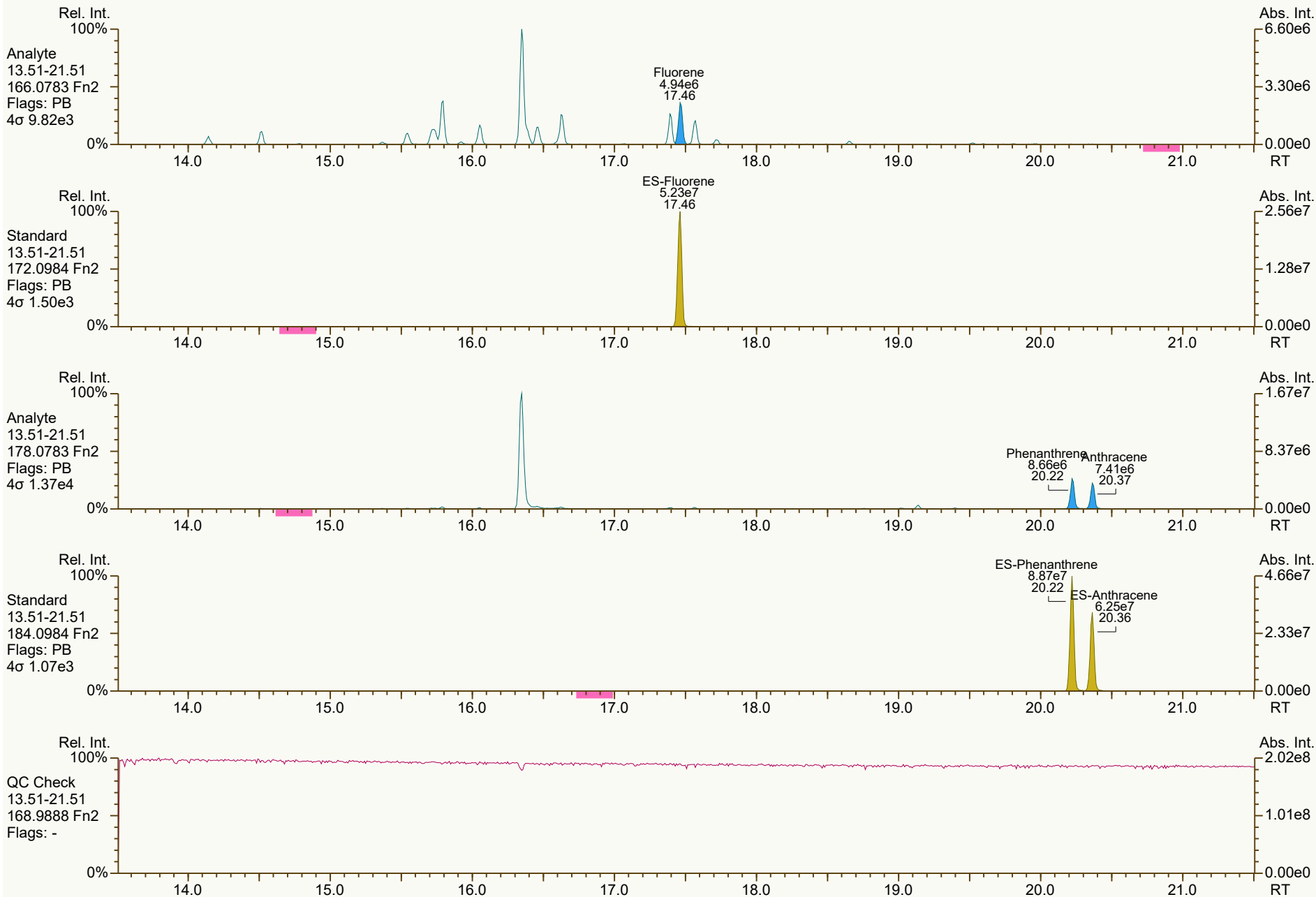
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7655, 4097, 5578, 7722, 3352 scc: 974-350

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:34 (DTF) Printed: 06-Mar-2024 16:07 Page 3 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



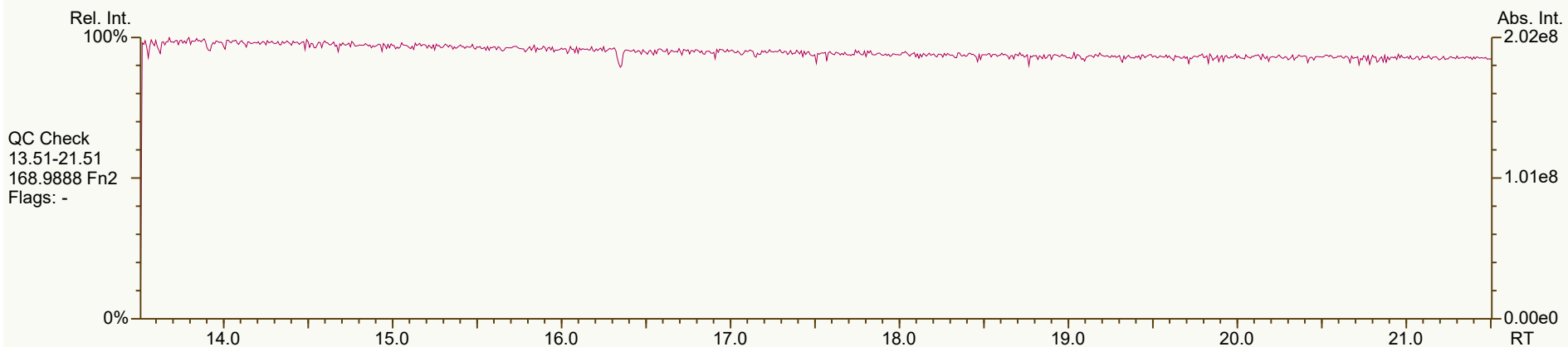
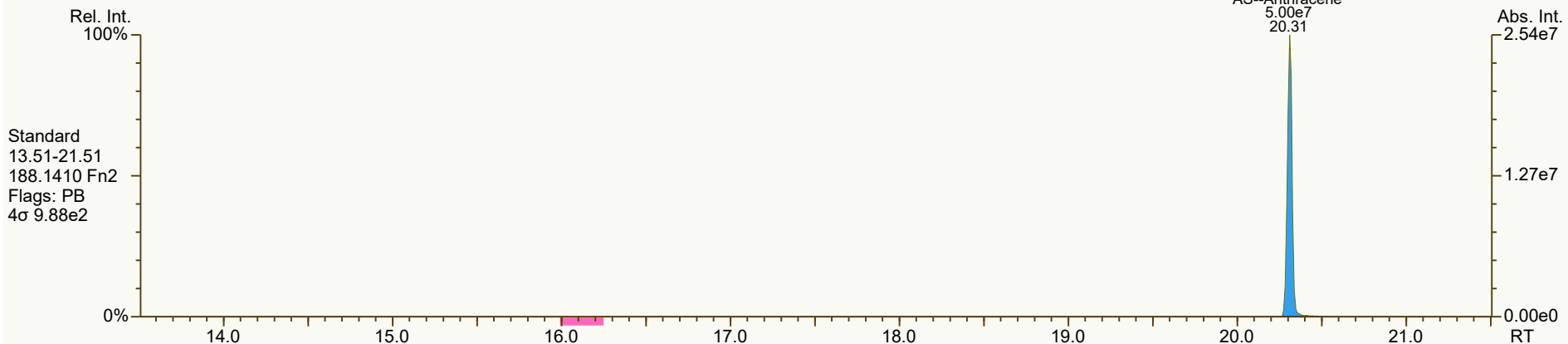
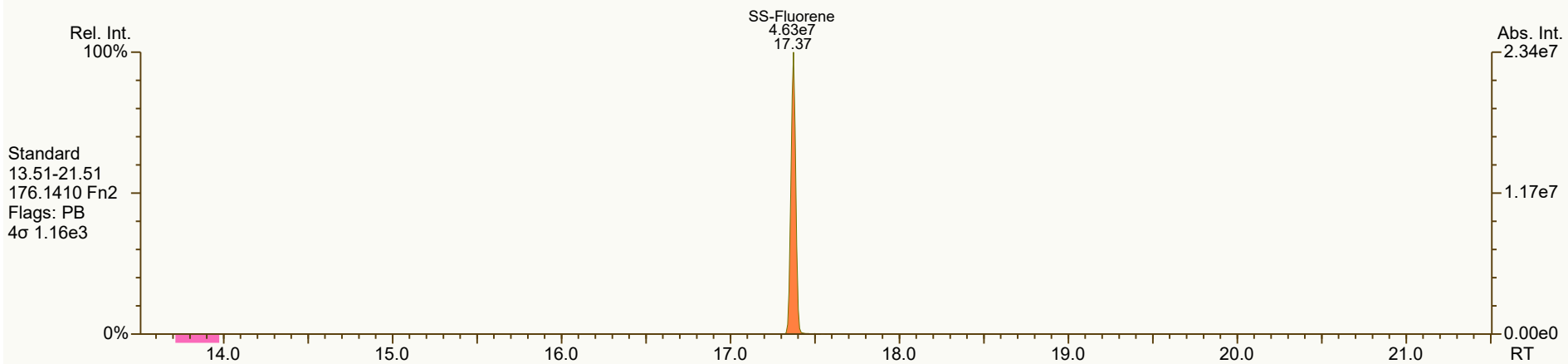
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8963, 1115, 5090, 0235 scc: 974-350

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:33 Printed: 06-Mar-2024 16:07 Page 4 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

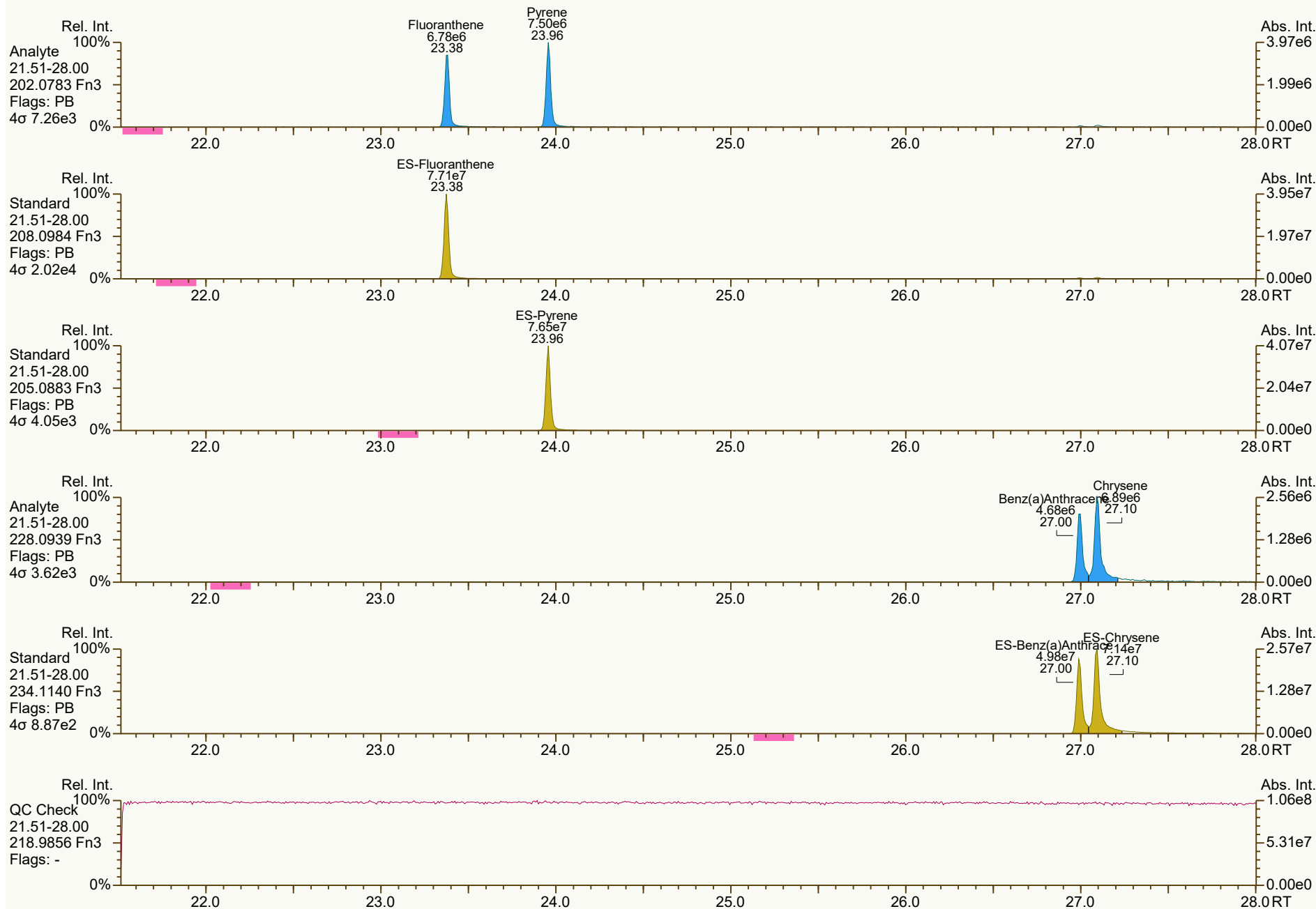
Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



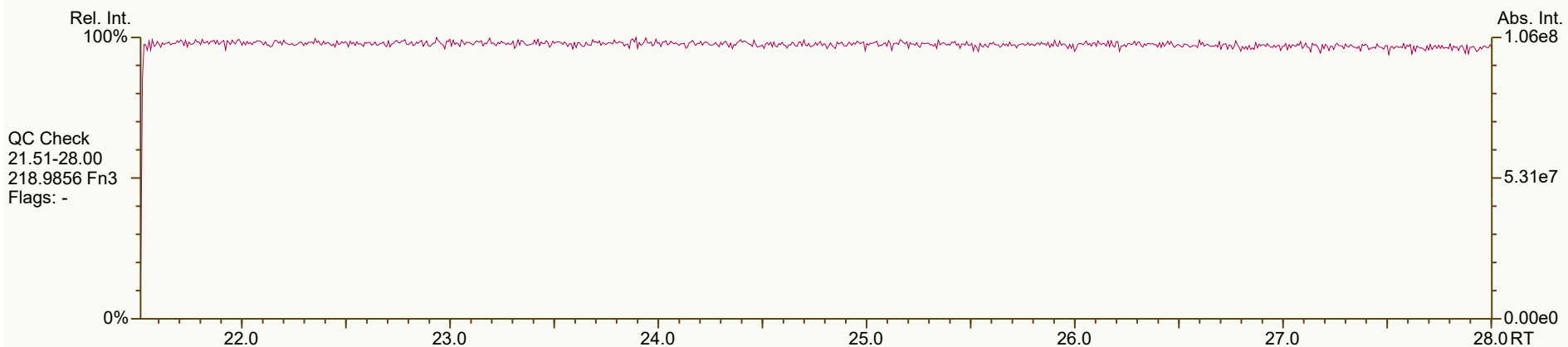
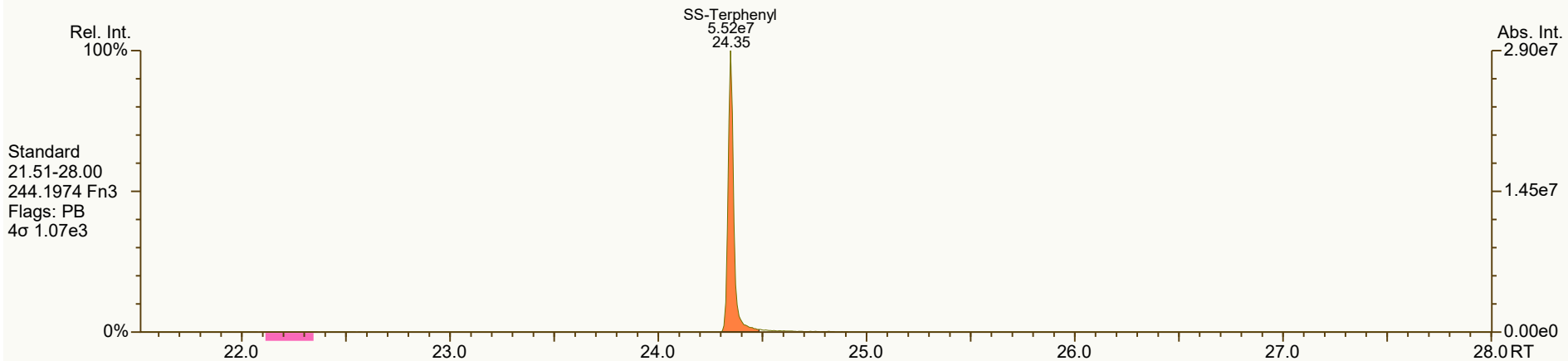
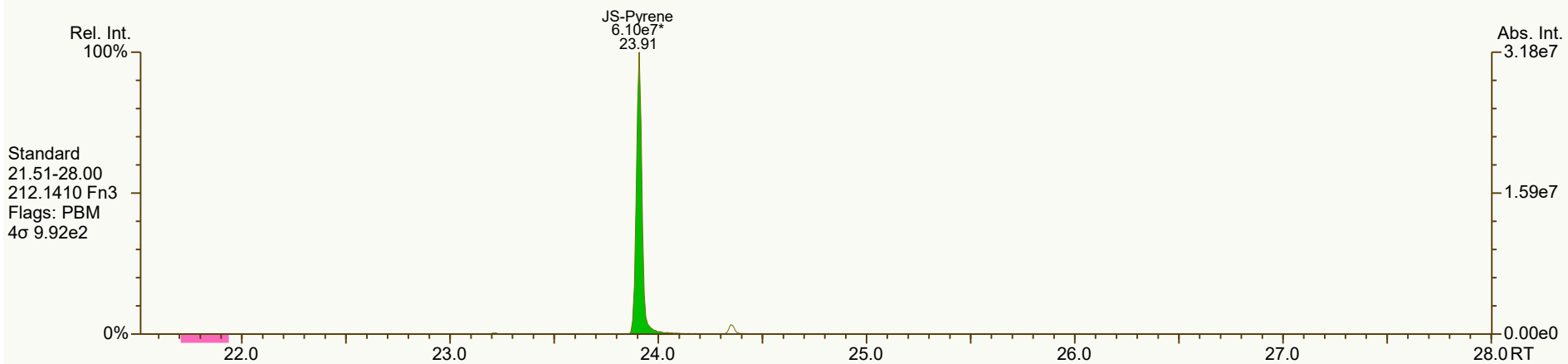
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9766, 9835, 2532, 1235, 6354 scc: 974-350

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:33 Printed: 06-Mar-2024 16:07 Page 6 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)

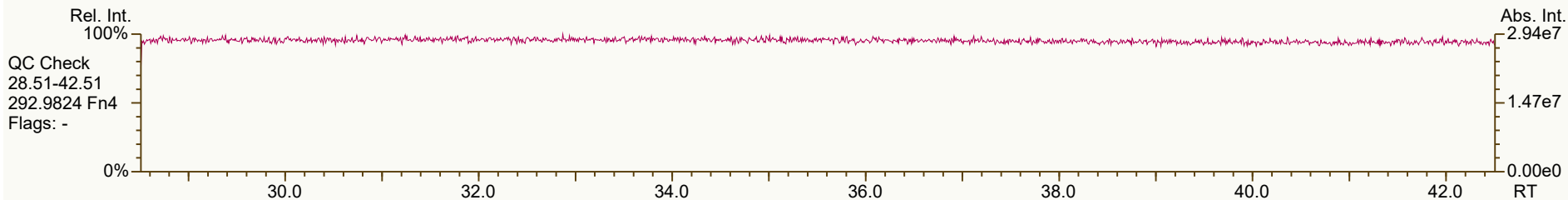
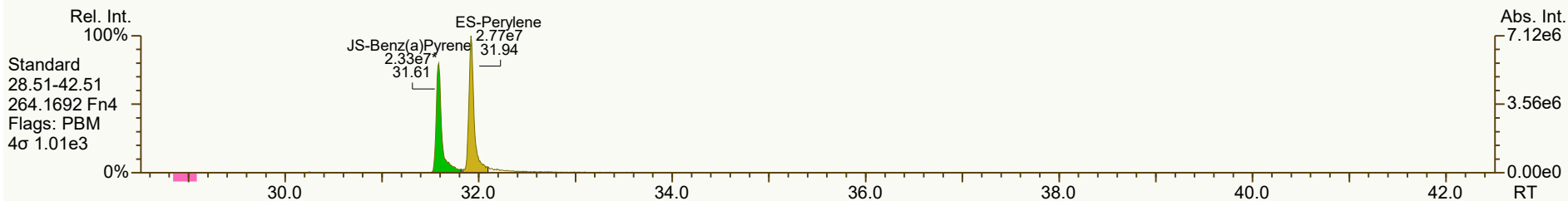
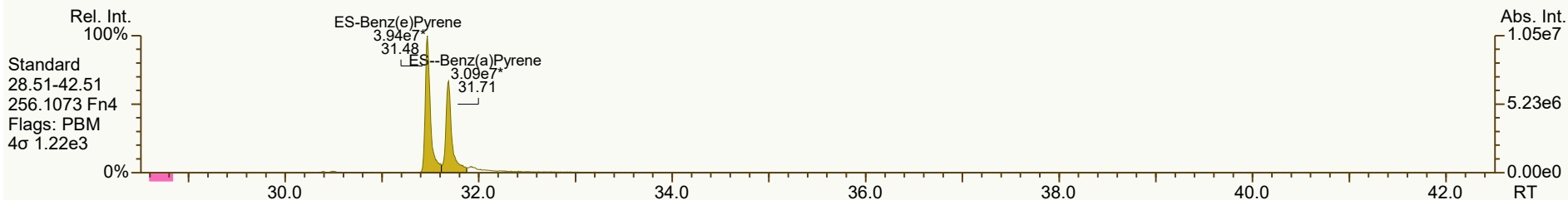
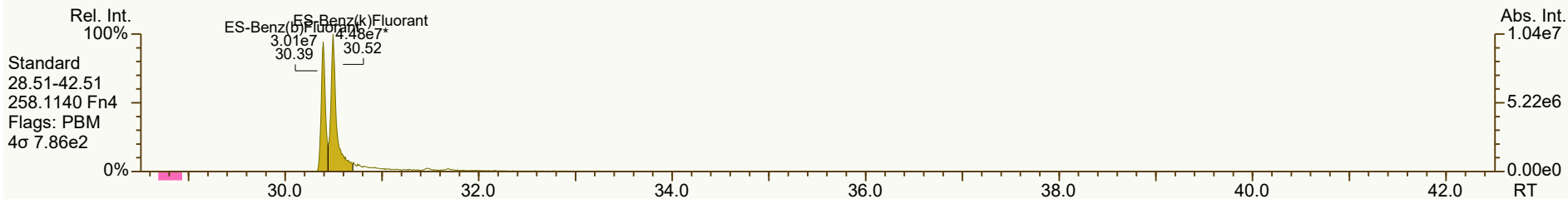
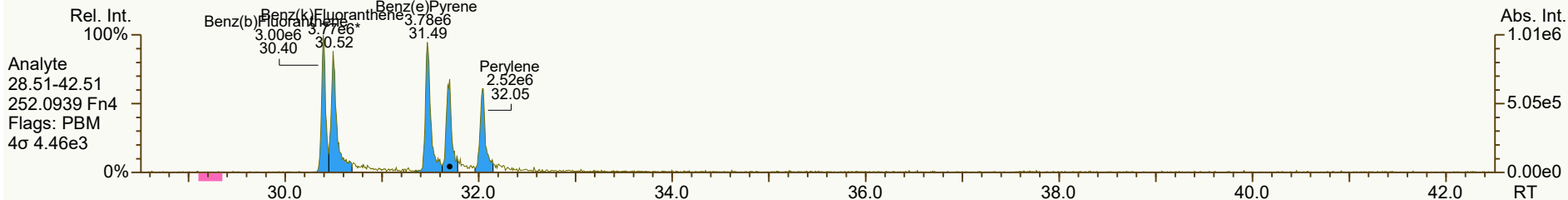
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7312, 7736 scc: 974-350

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:33 (DTF) Printed: 06-Mar-2024 16:07 Page 7 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)

Peak annotation: Areas, Centroids

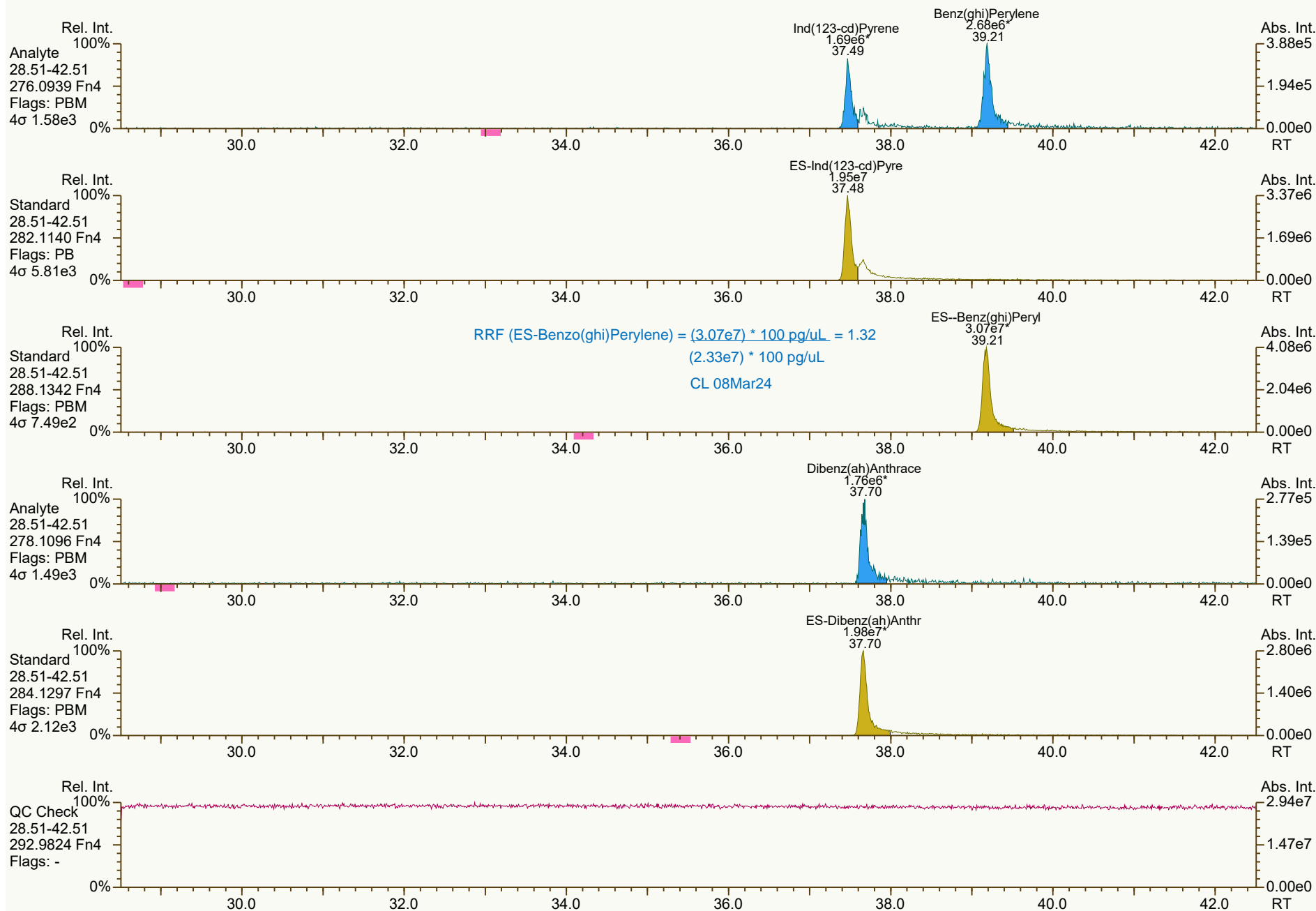
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3830, 9613, 7178, 6597 scc: 974-350

Revised: 06-Mar-2024 14:36 (DTF) Printed: 06-Mar-2024 16:07 Page 8 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

Acq: 05-Mar-2024 16:50:44
User: DTF Datafile: 240305V06



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS1_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:01 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4513, 0313, 5138, 9142, 8180 scc: 974-350

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:36 (DTF) Printed: 06-Mar-2024 16:07 Page 9 of 9

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS2_240305_PAH_VA
Acquired: 05 Mar 2024 17:37:15
Datafile: 240305V07

MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	9.53	4.90E+07	-	0.99	0.95	-4.5%
2-Methylnaphthalene	12.26	3.65E+07	-	1.01	0.98	-3.1%
Acenaphthylene	15.27	2.60E+07	-	0.92	0.86	-7.1%
Acenaphthene	15.84	2.02E+07	-	1.01	0.98	-3.0%
Fluorene	17.45	2.43E+07	-	1.02	0.99	-3.0%
Phenanthrene	20.21	4.14E+07	-	1.00	0.96	-4.0%
Anthracene	20.36	3.57E+07	-	1.23	1.18	-4.3%
Fluoranthene	23.37	3.38E+07	-	0.92	0.90	-1.3%
Pyrene	23.95	3.58E+07	-	0.98	0.96	-2.0%
Benzo(a)Anthracene	26.98	2.35E+07	-	1.00	0.94	-5.7%
Chrysene	27.09	3.37E+07	-	1.01	0.97	-3.9%
Benzo(b)Fluoranthene	30.38	1.46E+07	-	0.98	0.95	-2.9%
Benzo(k)Fluoranthene	30.49	1.79E+07	-	0.92	0.81	-12.2%
Benzo(e)Pyrene	31.46	1.77E+07	-	0.98	0.92	-5.7%
Benzo(a)Pyrene	31.68	1.37E+07	-	0.98	0.87	-11.5%
Perylene	32.03	1.38E+07	-	1.06	1.03	-2.4%
Indeno(1,2,3-cd)Pyrene	37.47	8.11E+06	-	0.92	0.86	-5.7%
Dibenzo(a,h)Anthracene	37.66	8.57E+06	-	0.94	0.89	-4.6%
Benzo(ghi)Perylene	39.18	1.48E+07	-	0.97	0.94	-2.8%

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS2_240305_PAH_VA
Acquired: 05 Mar 2024 17:37:15
Datafile: 240305V07

MM6_PAH_ICAL_05MAR2024

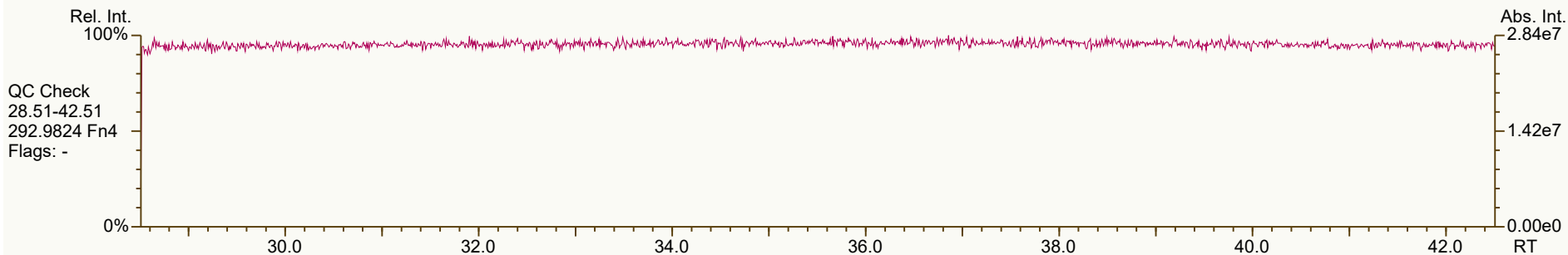
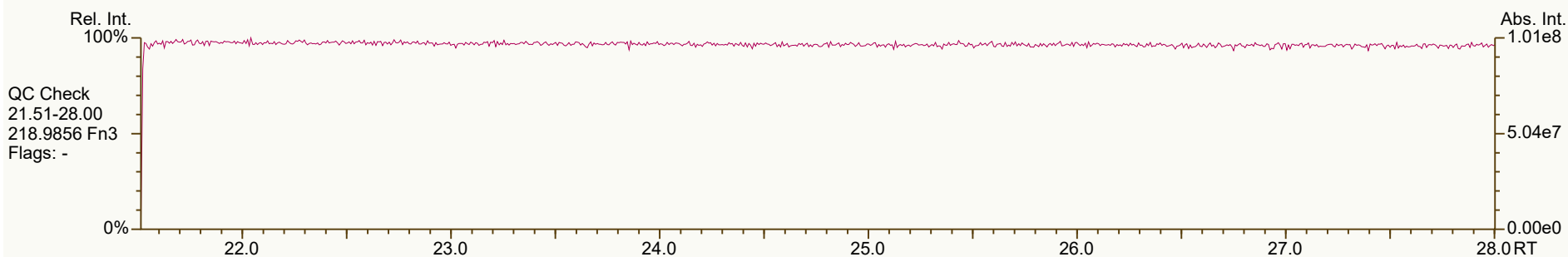
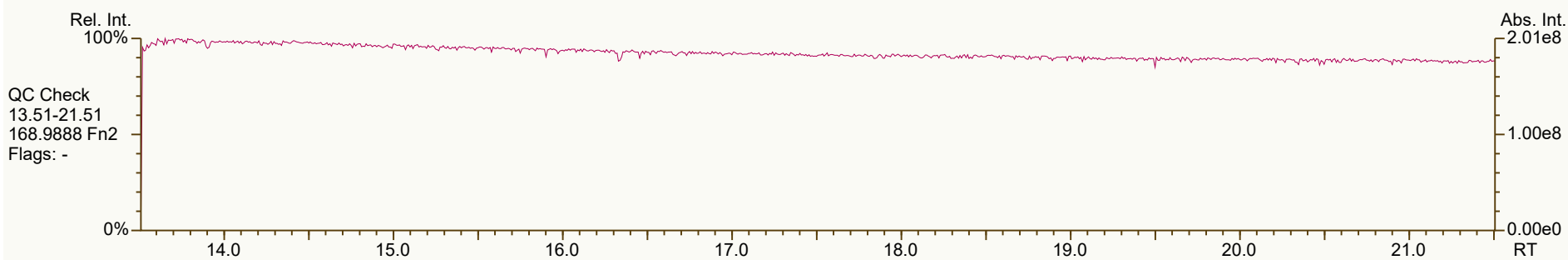
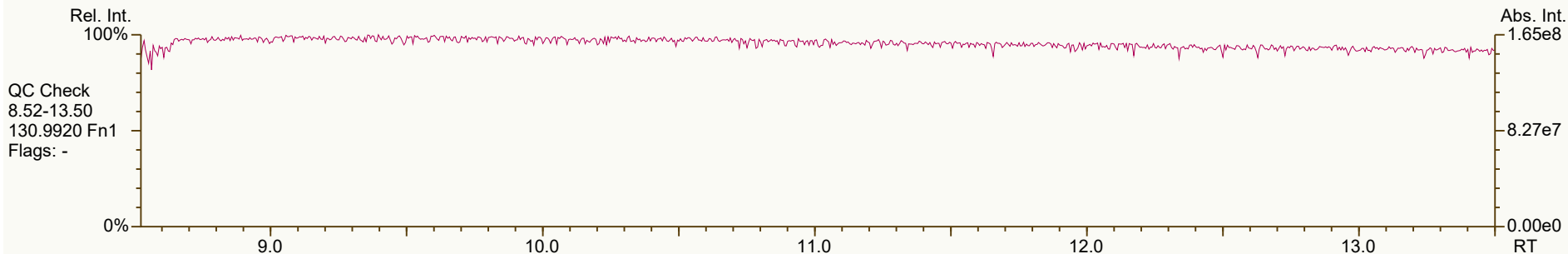
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.04E+08	-	1.35	1.27	-5.8%
13C6-2-Methylnaphthalene	12.26	7.48E+07	-	0.99	0.92	-7.4%
13C6-Acenaphthylene	15.26	6.06E+07	-	1.37	1.22	-10.6%
13C6-Acenaphthene	15.83	4.10E+07	-	0.91	0.83	-9.0%
13C6-Fluorene	17.45	4.92E+07	-	1.09	0.99	-9.2%
13C6-Phenanthrene	20.21	8.66E+07	-	1.91	1.75	-8.6%
13C6-Anthracene	20.36	6.05E+07	-	1.35	1.22	-9.4%
13C6-Fluoranthene	23.37	7.48E+07	-	1.23	1.13	-7.6%
13C3-Pyrene	23.95	7.46E+07	-	1.23	1.13	-8.3%
13C6-Benzo(a)Anthracene	26.98	4.97E+07	-	0.86	0.75	-12.7%
13C6-Chrysene	27.09	6.95E+07	-	1.19	1.05	-11.4%
13C6-Benzo(b)Fluoranthene	30.38	3.06E+07	-	1.28	1.19	-7.0%
13C6-Benzo(k)Fluoranthene	30.49	4.45E+07	-	1.82	1.73	-5.0%
13C4-Benzo(e)Pyrene	31.46	3.85E+07	-	1.56	1.50	-4.1%
13C4-Benzo(a)Pyrene	31.68	3.15E+07	-	1.23	1.22	-0.3%
d12-Perylene	31.92	2.68E+07	-	1.13	1.04	-7.6%
13C6-Indeno(1,2,3-cd)Pyrene	37.45	1.88E+07	-	0.85	0.73	-14.3%
13C6-Dibenzo(ah)Anthracene	37.65	1.92E+07	-	0.94	0.74	-20.8%
13C12-Benzo(ghi)Perylene	39.16	3.15E+07	-	1.33	1.22	-7.9%
AS--Anthracene	20.30	6.05E+07	-	1.17	1.22	4.0%
SS-Fluorene	17.37	5.35E+07	-	1.00	1.09	8.5%
SS-Terphenyl	24.34	6.52E+07	-	0.79	0.87	9.6%
JS-Methylnaphthalene	12.14	8.16E+07	-	-	-	-
JS-Acenaphthene	15.72	4.96E+07	-	-	-	-
JS-Pyrene	23.90	6.60E+07	-	-	-	-
JS-Benzo(a)Pyrene	31.58	2.57E+07	-	-	-	-

356-753-WQD

SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



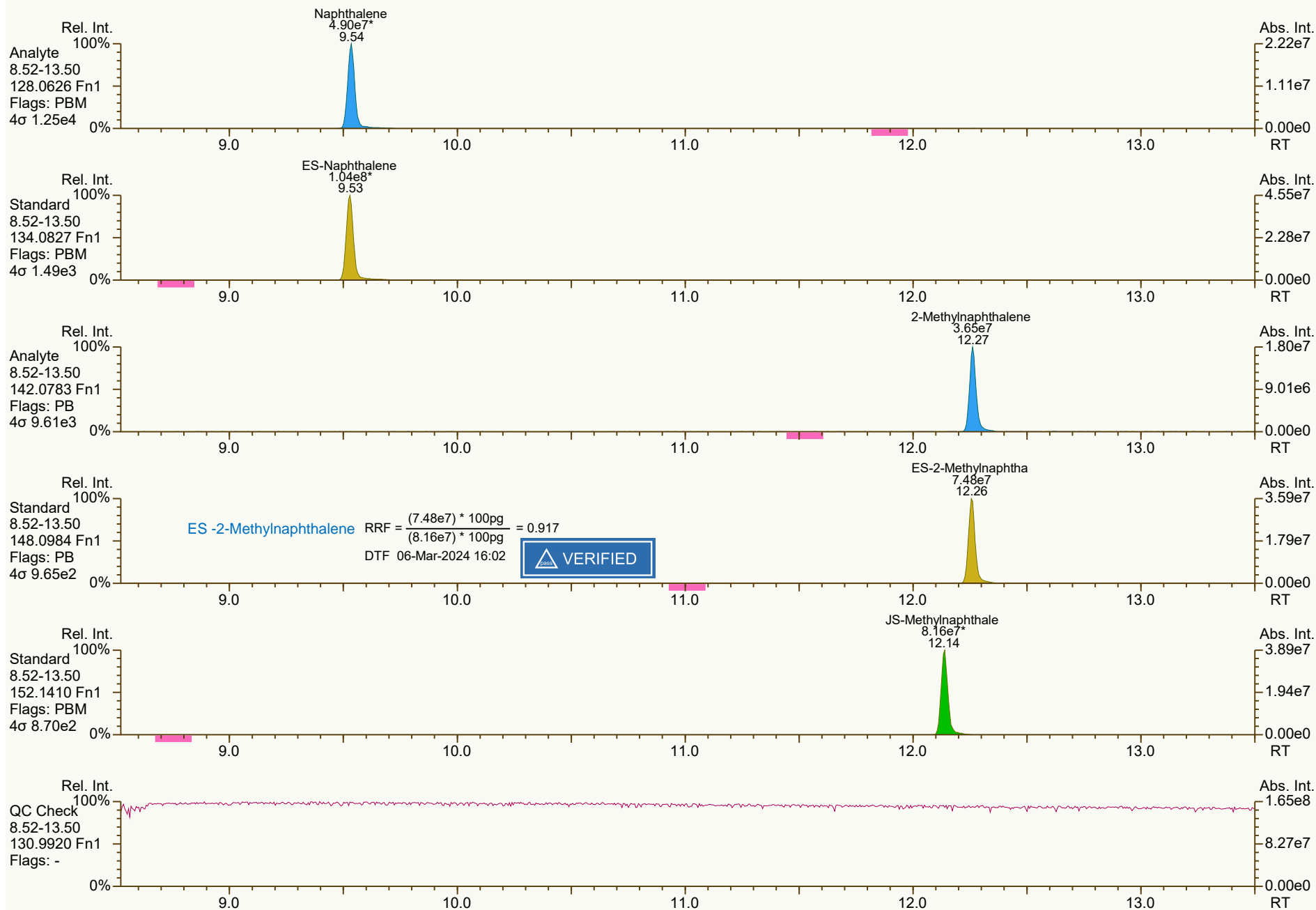
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS2_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:02 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 356-753

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 16:07 Page 1 of 9

SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS2_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:02 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8189, 6885, 6463, 9389, 6994 scc: 356-753

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:39 (DTF) Printed: 06-Mar-2024 16:07 Page 2 of 9

SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS2_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:02 (DTF)

Peak annotation: Areas, Centroids

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3869, 5214, 7841, 9279, 6227 scc: 356-753

Revised: 06-Mar-2024 14:37 (DTF) Printed: 06-Mar-2024 16:08 Page 3 of 9

SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



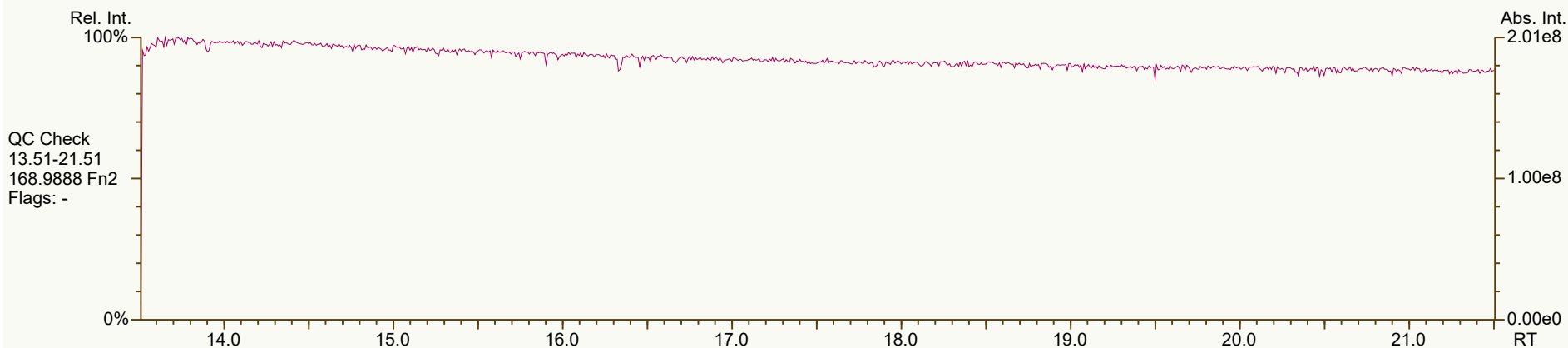
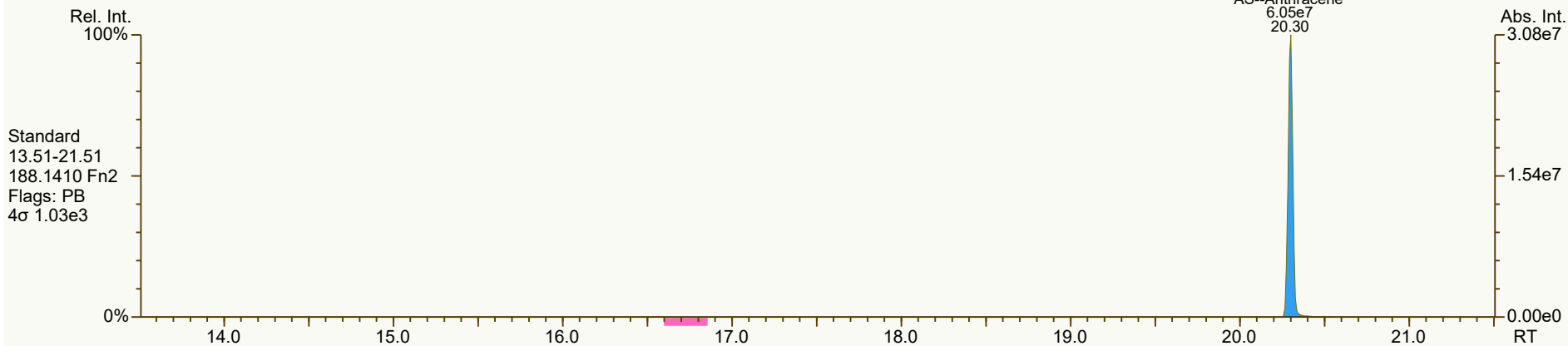
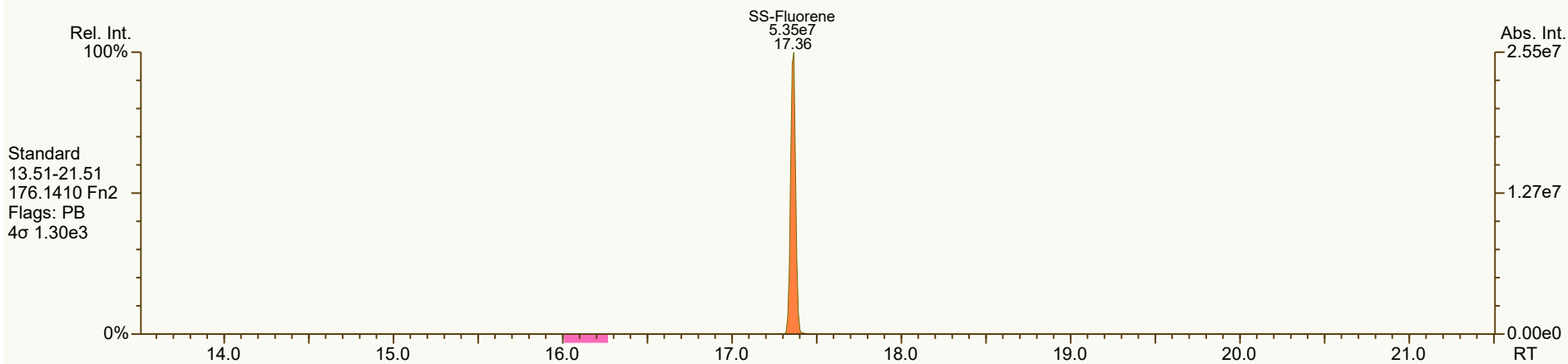
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS2_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:02 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0840, 5990, 0852, 3177 scc: 356-753

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:37 Printed: 06-Mar-2024 16:08 Page 4 of 9

SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS2_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:02 (DTF)

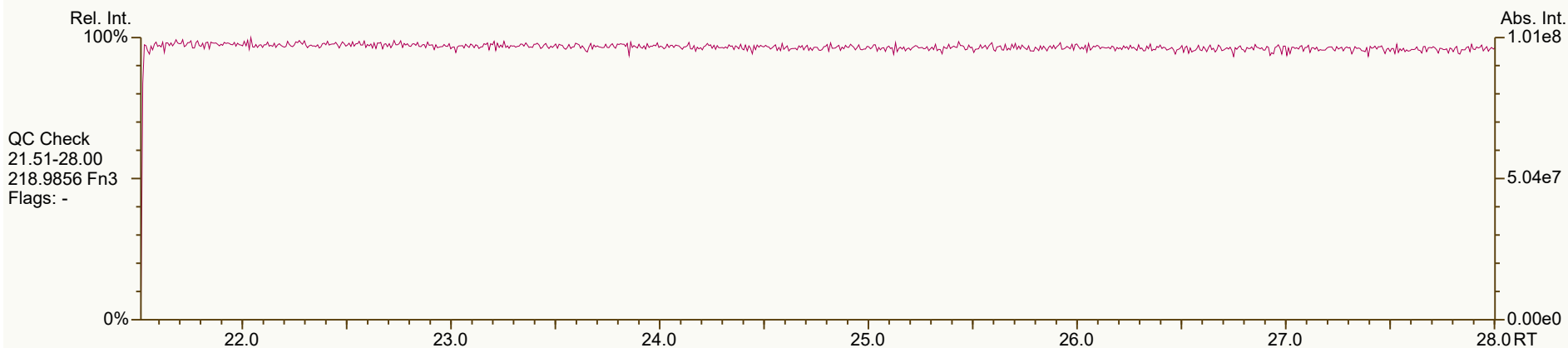
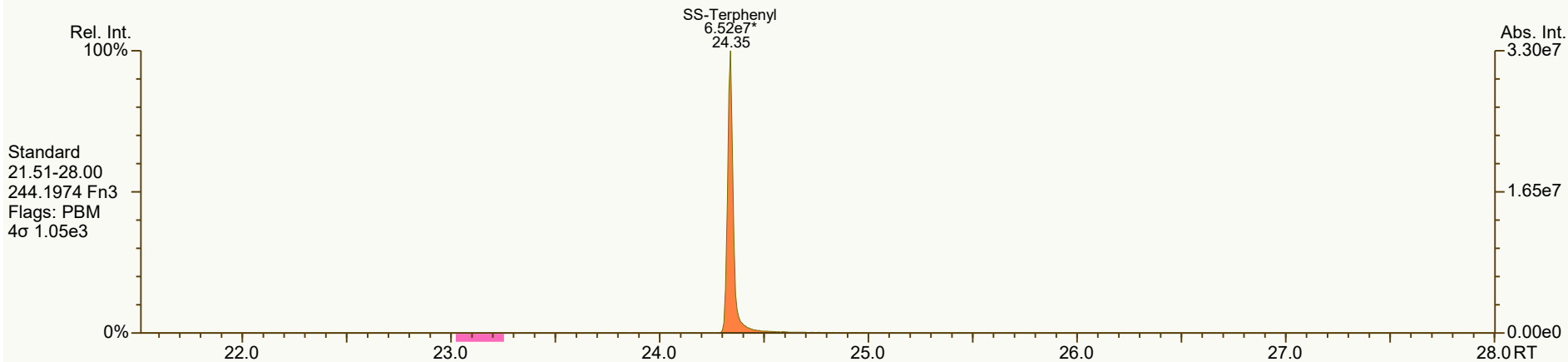
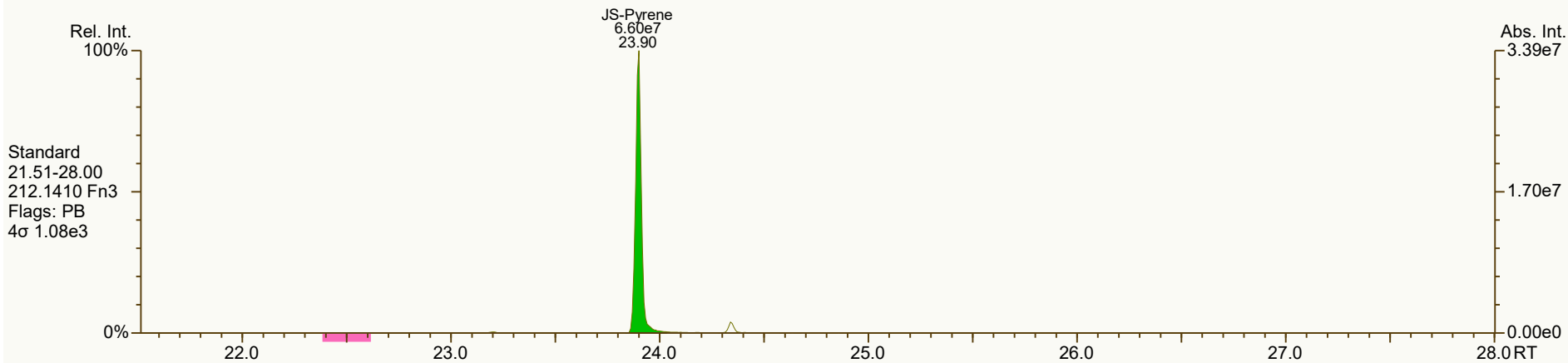
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8423, 8145, 2330, 8330, 1224 scc: 356-753

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:37 Printed: 06-Mar-2024 16:08 Page 6 of 9

SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

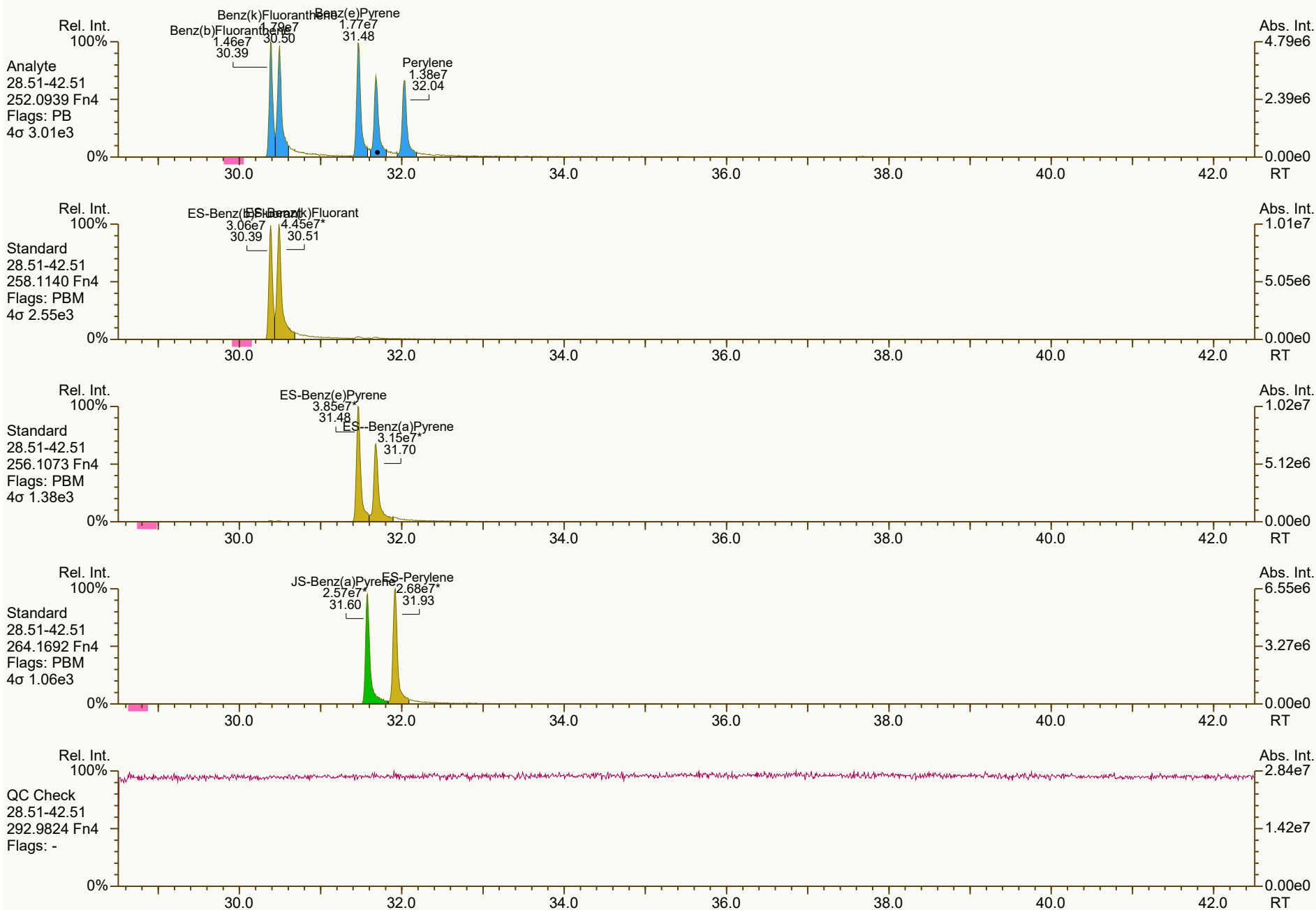
Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS2_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:02 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6648, 7457, 0341, 4951 scc: 356-753

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:38 (DTF) Printed: 06-Mar-2024 16:08 Page 8 of 9

SGS ID: CS2_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-1
VSIR EI+ Expt: pah GC: pah Vial: 10

Acq: 05-Mar-2024 17:37:15
User: DTF Datafile: 240305V07



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS2_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:02 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8189, 4920, 2003, 9166, 2013 scc: 356-753

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:39 (DTF) Printed: 06-Mar-2024 16:08 Page 9 of 9

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS3_240305_PAH_VA
Acquired: 05 Mar 2024 18:23:53
Datafile: 240305V08

MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	9.54	9.82E+07	-	0.99	0.94	-4.8%
2-Methylnaphthalene	12.27	7.24E+07	-	1.01	0.98	-2.7%
Acenaphthylene	15.27	5.25E+07	-	0.92	0.88	-4.4%
Acenaphthene	15.84	3.88E+07	-	1.01	1.00	-1.4%
Fluorene	17.45	4.54E+07	-	1.02	0.98	-3.9%
Phenanthrene	20.22	7.83E+07	-	1.00	0.97	-2.2%
Anthracene	20.36	6.81E+07	-	1.23	1.21	-2.1%
Fluoranthene	23.37	6.22E+07	-	0.92	0.89	-3.4%
Pyrene	23.95	6.72E+07	-	0.98	0.95	-2.7%
Benzo(a)Anthracene	26.99	4.82E+07	-	1.00	1.00	-0.6%
Chrysene	27.09	6.69E+07 ✓	-	1.01	0.97	-4.1%
Benzo(b)Fluoranthene	30.39	2.97E+07	-	0.98	0.95	-3.3%
Benzo(k)Fluoranthene	30.49	4.20E+07	-	0.92	0.92	0.3%
Benzo(e)Pyrene	31.47	3.73E+07	-	0.98	0.95	-2.9%
Benzo(a)Pyrene	31.69	2.95E+07	-	0.98	1.00	2.4%
Perylene	32.04	2.91E+07	-	1.06	1.01	-4.9%
Indeno(1,2,3-cd)Pyrene	37.48	1.86E+07	-	0.92	0.90	-1.3%
Dibenzo(a,h)Anthracene	37.67	2.15E+07	-	0.94	0.93	-0.9%
Benzo(ghi)Perylene	39.19	3.08E+07	-	0.97	0.95	-2.3%

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS3_240305_PAH_VA
Acquired: 05 Mar 2024 18:23:53
Datafile: 240305V08

MM6_PAH_ICAL_05MAR2024

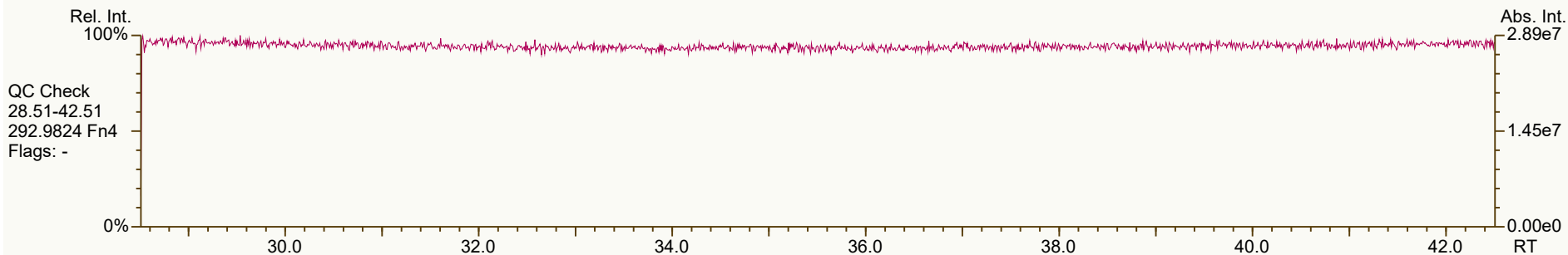
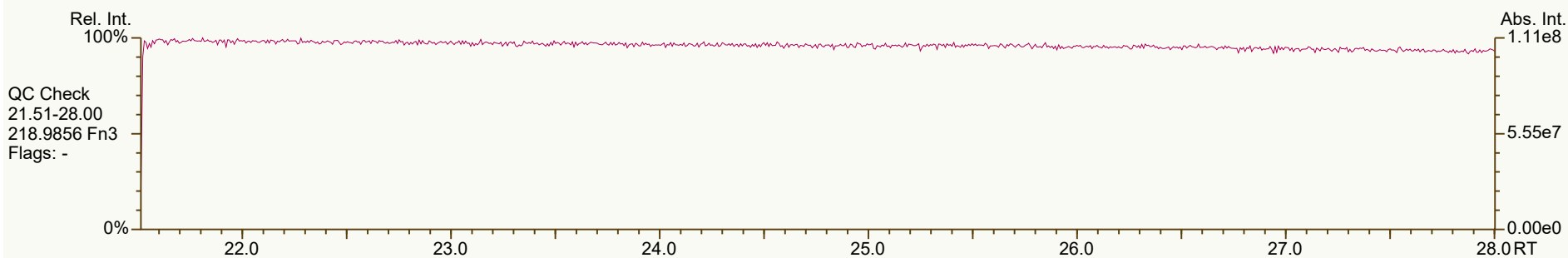
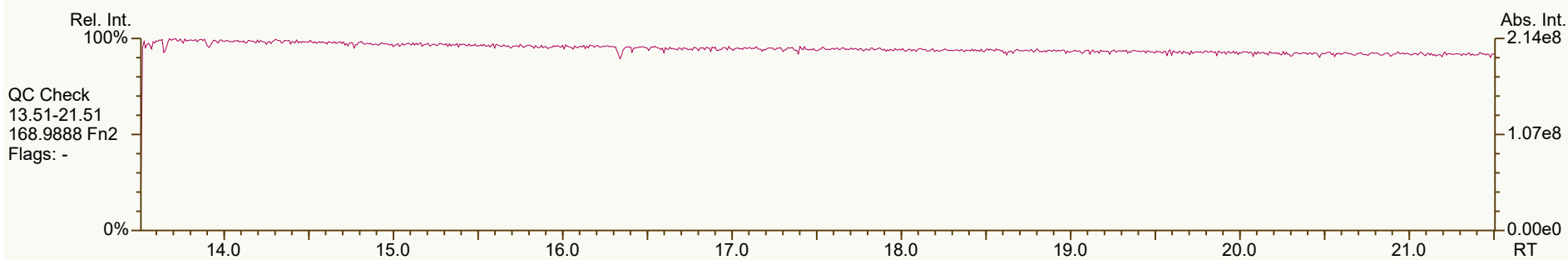
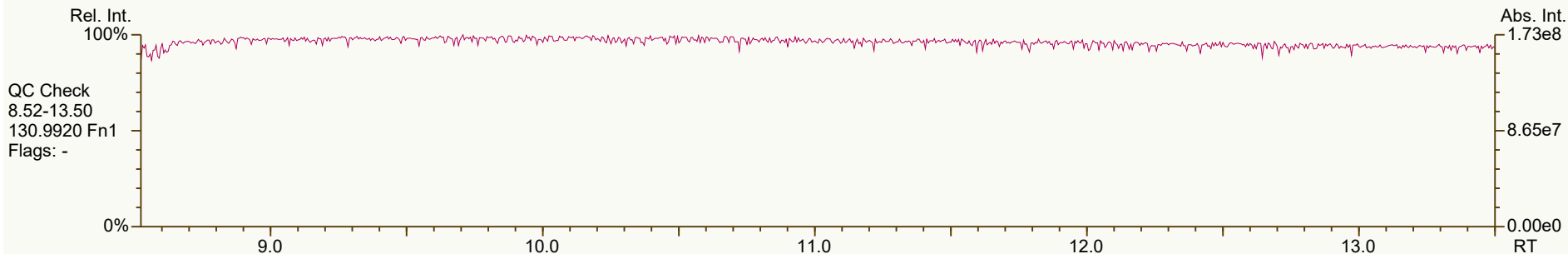
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.04E+08	-	1.35	1.46	8.6%
13C6-2-Methylnaphthalene	12.26	7.38E+07	-	0.99	1.04	5.0%
13C6-Acenaphthylene	15.27	5.95E+07	-	1.37	1.45	6.4%
13C6-Acenaphthene	15.84	3.88E+07	-	0.91	0.95	4.4%
13C6-Fluorene	17.45	4.65E+07	-	1.09	1.14	4.0%
13C6-Phenanthrene	20.21	8.03E+07	-	1.91	1.96	2.8%
13C6-Anthracene	20.36	5.65E+07	-	1.35	1.38	2.5%
13C6-Fluoranthene	23.37	7.03E+07	-	1.23	1.29	5.0%
13C3-Pyrene	23.95	7.05E+07	-	1.23	1.29	4.8%
13C6-Benzo(a)Anthracene	26.99	4.84E+07	-	0.86	0.89	2.7%
13C6-Chrysene	27.09	6.92E+07 ✓	-	1.19	1.27	6.8%
13C6-Benzo(b)Fluoranthene	30.39	3.13E+07	-	1.28	1.30	2.1%
13C6-Benzo(k)Fluoranthene	30.49	4.56E+07	-	1.82	1.90	4.6%
13C4-Benzo(e)Pyrene	31.47	3.94E+07	-	1.56	1.64	5.2%
13C4-Benzo(a)Pyrene	31.69	2.94E+07	-	1.23	1.22	-0.2%
d12-Perylene	31.93	2.89E+07	-	1.13	1.21	7.2%
13C6-Indeno(1,2,3-cd)Pyrene	37.47	2.06E+07	-	0.85	0.86	0.7%
13C6-Dibenzo(ah)Anthracene	37.66	2.31E+07	-	0.94	0.96	2.5%
13C12-Benzo(ghi)Perylene	39.18	3.25E+07	-	1.33	1.36	2.2%
AS--Anthracene	20.30	5.22E+07	-	1.17	1.28	8.8%
SS-Fluorene	17.37	5.07E+07	-	1.00	1.09	8.9%
SS-Terphenyl	24.34	6.08E+07	-	0.79	0.87	8.9%
JS-Methylnaphthalene	12.14	7.10E+07	-	-	-	-
JS-Acenaphthene	15.73	4.09E+07	-	-	-	-
JS-Pyrene	23.90	5.45E+07	-	-	-	-
JS-Benzo(a)Pyrene	31.58	2.40E+07	-	-	-	-

973-923-NCF

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS3_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:03 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 973-923

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 16:08 Page 1 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS3_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:03 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1894, 4480, 8743, 3520, 9471 scc: 973-923

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:40 (DTF) Printed: 06-Mar-2024 16:08 Page 2 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS3_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:03 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3601, 8636, 5153, 0281, 0656 scc: 973-923

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:40 Printed: 06-Mar-2024 16:08 Page 3 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS3_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:03 (DTF)

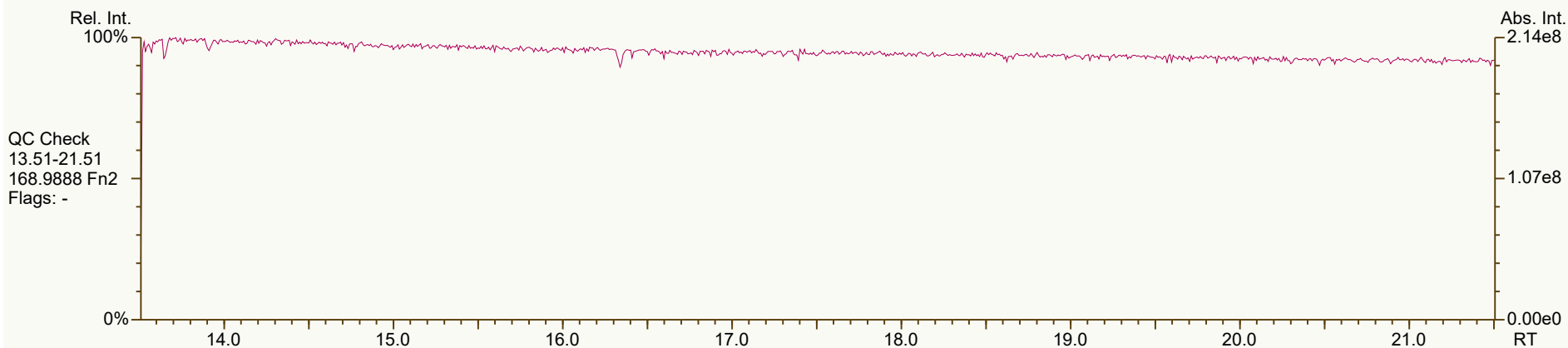
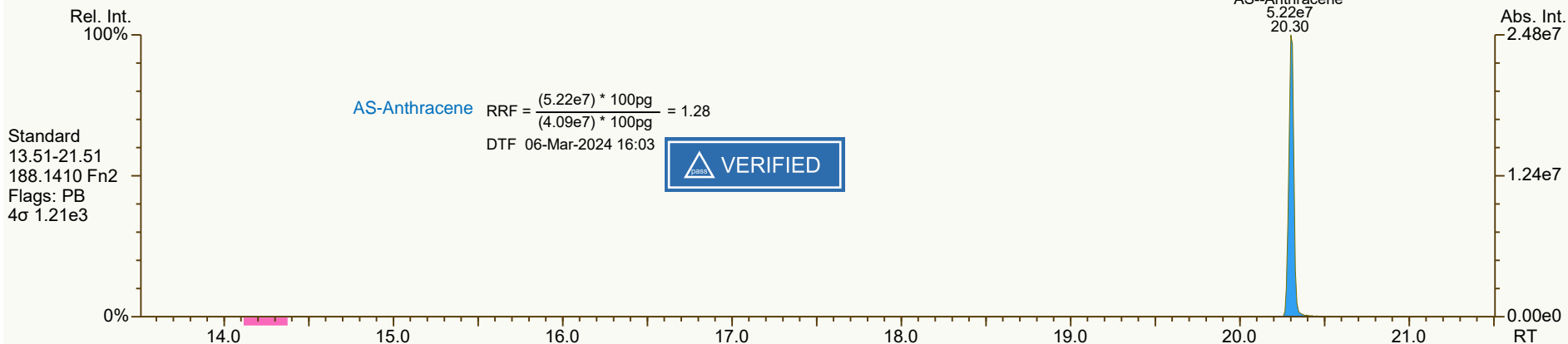
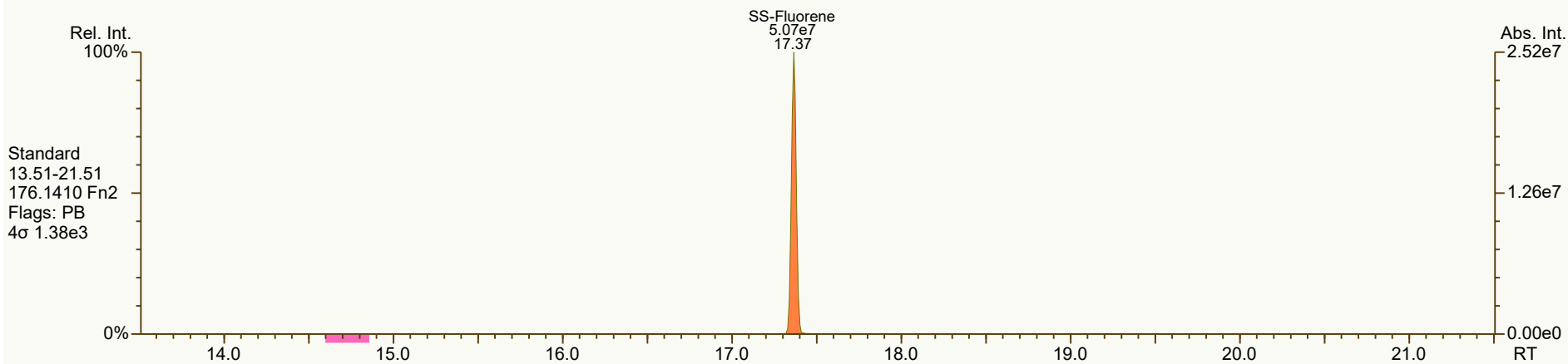
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0492, 7495, 9700, 8604 scc: 973-923

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 4 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

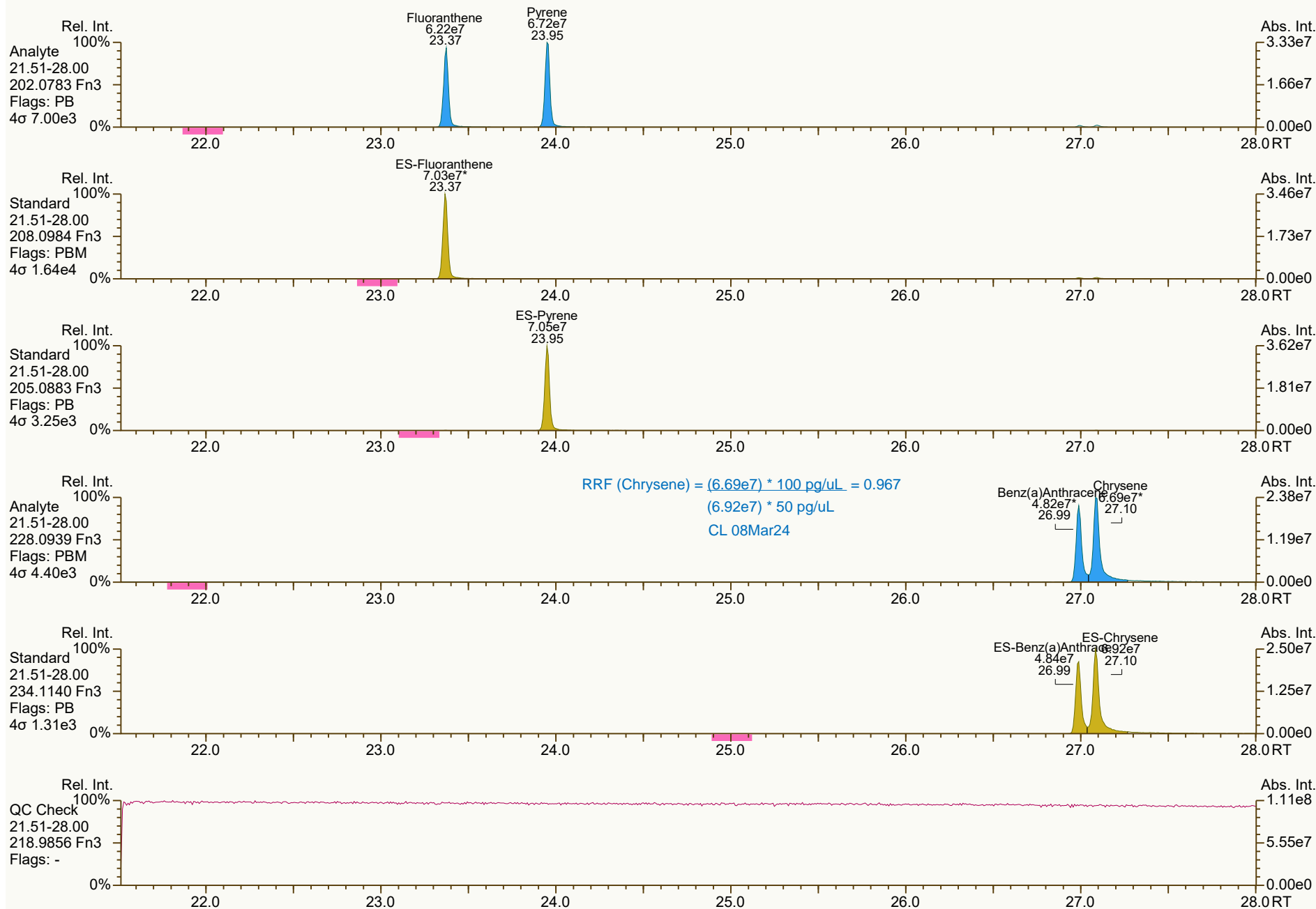
Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS3_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:03 (DTF)

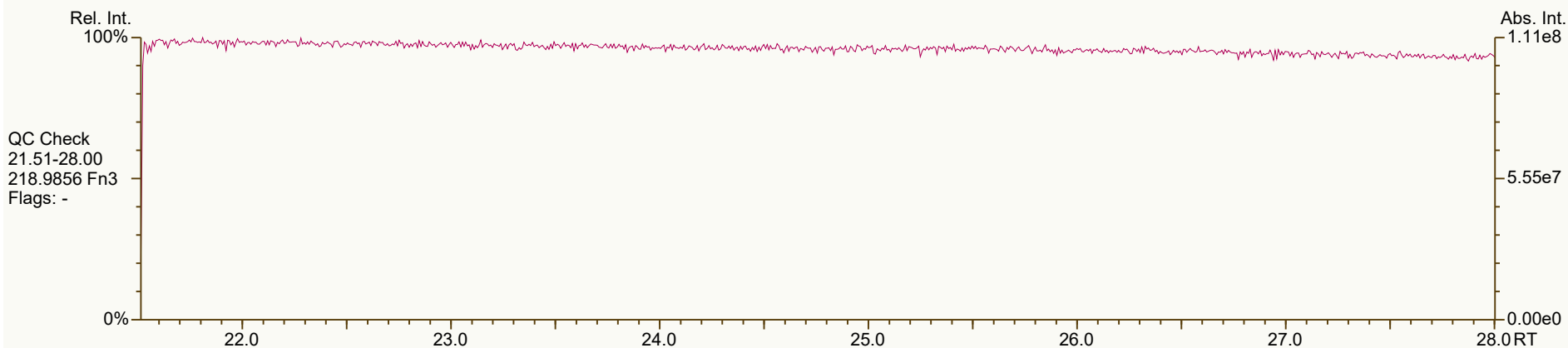
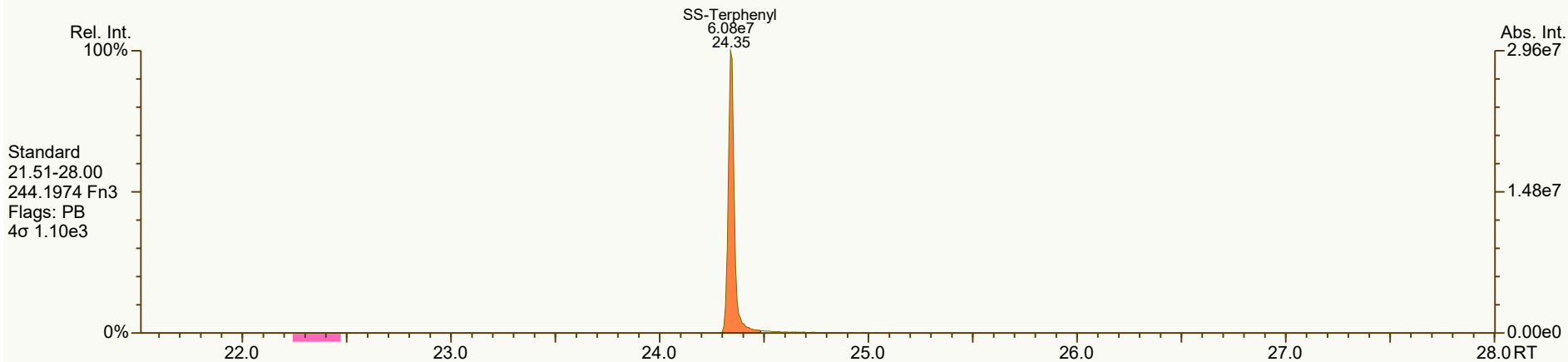
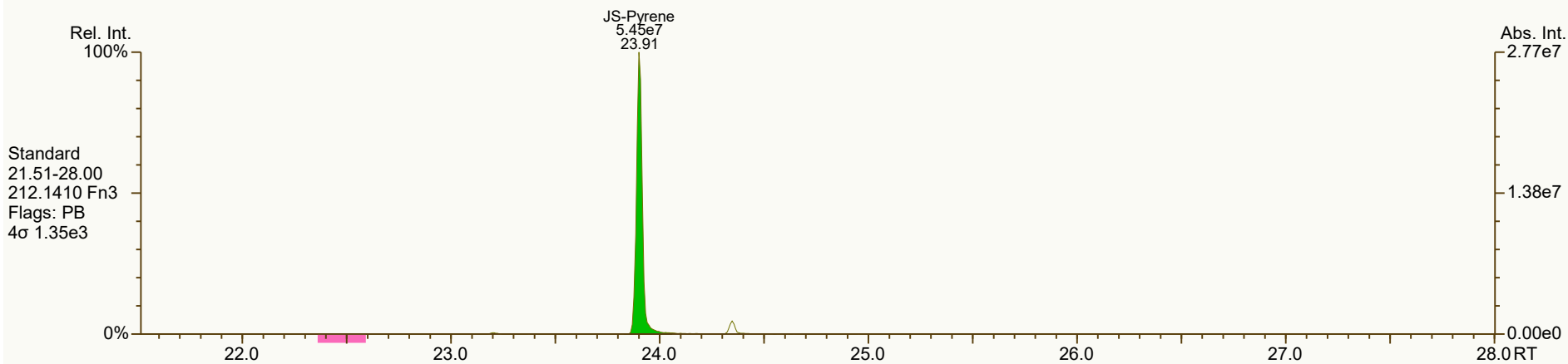
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1616, 0622, 7836, 3637, 5545 scc: 973-923

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 6 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

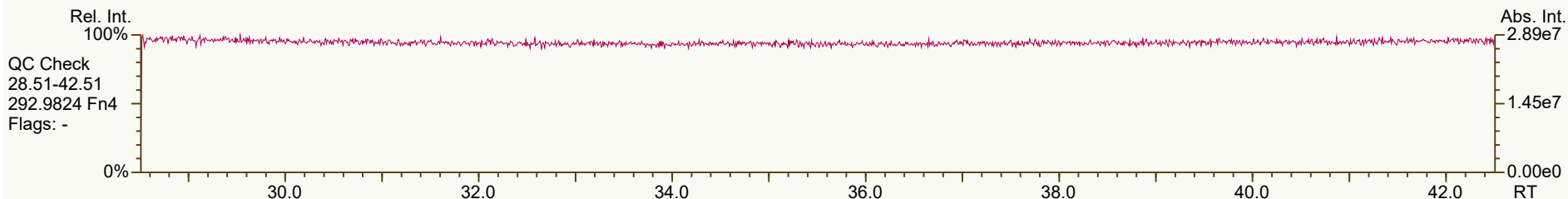
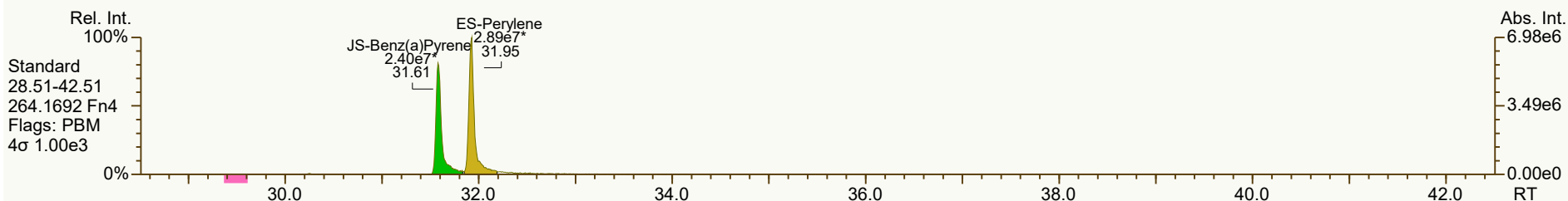
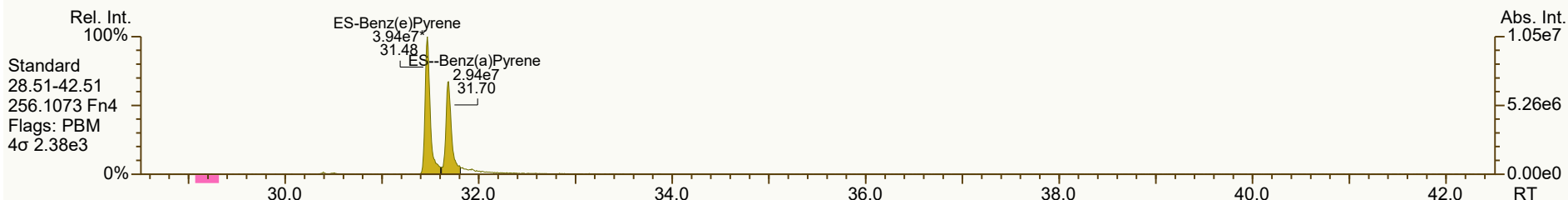
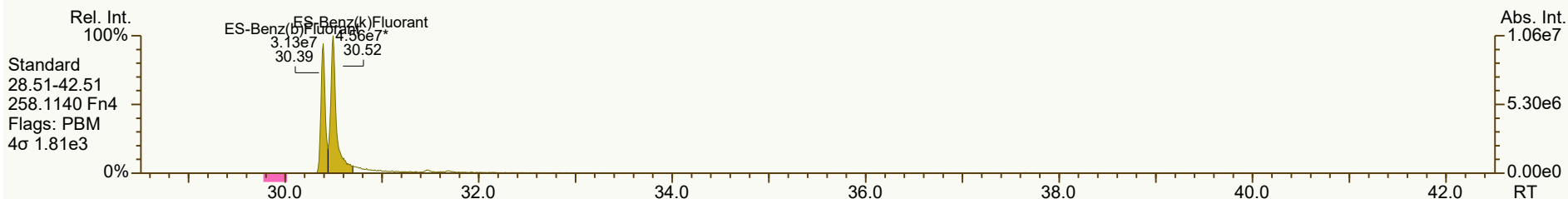
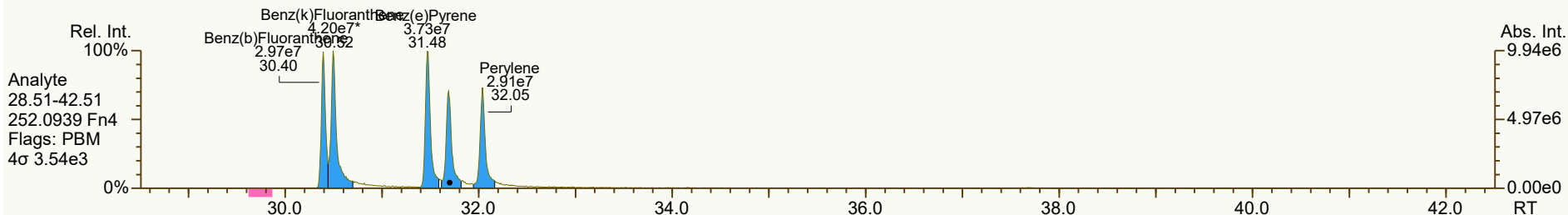
Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS3_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:03 (DTF)

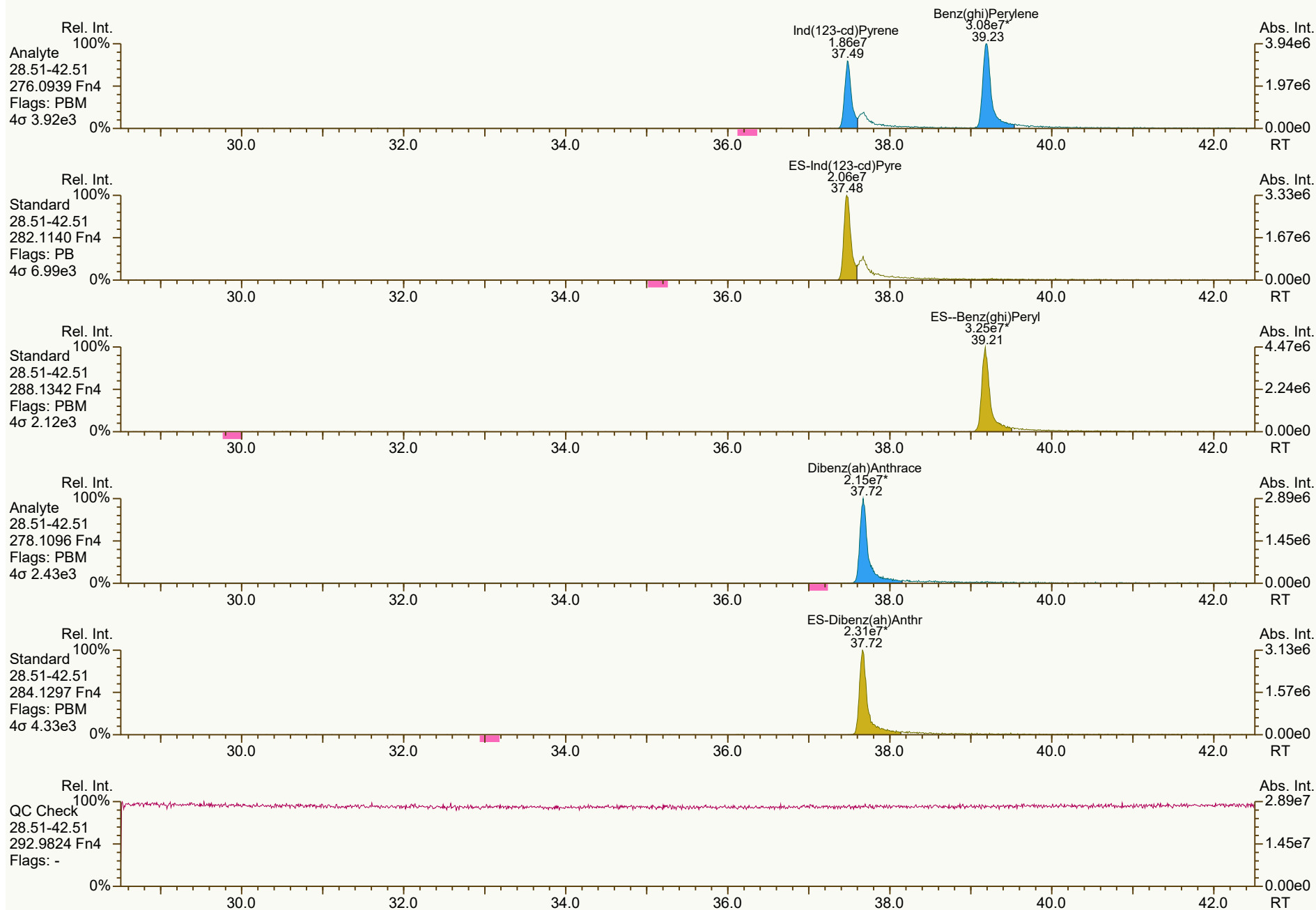
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1792, 4289, 3890, 3294 scc: 973-923

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 8 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS3_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:03 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8792, 9920, 7022, 7813, 5388 scc: 973-923

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 9 of 9

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS4_240305_PAH_VA
Acquired: 05 Mar 2024 19:10:31
Datafile: 240305V09

MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	9.54	5.77E+08	-	0.99	1.07	8.2%
2-Methylnaphthalene	12.27	4.34E+08	-	1.01	1.05	4.3%
Acenaphthylene	15.28	3.48E+08	-	0.92	1.02	10.3%
Acenaphthene	15.84	2.45E+08	-	1.01	1.08	6.5%
Fluorene	17.46	2.93E+08	-	1.02	1.10	8.3%
Phenanthrene	20.22	4.90E+08	-	1.00	1.06	6.3%
Anthracene	20.36	4.29E+08	-	1.23	1.29	4.7%
Fluoranthene	23.37	3.73E+08	-	0.92	0.97	6.2%
Pyrene	23.96	3.92E+08	-	0.98	1.01	3.3%
Benzo(a)Anthracene	27.00	3.06E+08	-	1.00	1.07	6.4%
Chrysene	27.09	4.13E+08	-	1.01	1.07	6.5%
Benzo(b)Fluoranthene	30.40	1.97E+08	-	0.98	1.02	3.9%
Benzo(k)Fluoranthene	30.50	2.65E+08	-	0.92	1.00	8.4%
Benzo(e)Pyrene	31.48	2.30E+08	-	0.98	1.03	5.5%
Benzo(a)Pyrene	31.69	1.91E+08	-	0.98	1.10	12.4%
Perylene	32.05	1.90E+08	-	1.06	1.16	9.7%
Indeno(1,2,3-cd)Pyrene	37.49	1.27E+08	-	0.92	0.98	7.3%
Dibenzo(a,h)Anthracene	37.69	1.48E+08	-	0.94	0.99	6.0%
Benzo(ghi)Perylene	39.21	2.13E+08	-	0.97	1.05	8.5%

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS4_240305_PAH_VA
Acquired: 05 Mar 2024 19:10:31
Datafile: 240305V09

MM6_PAH_ICAL_05MAR2024

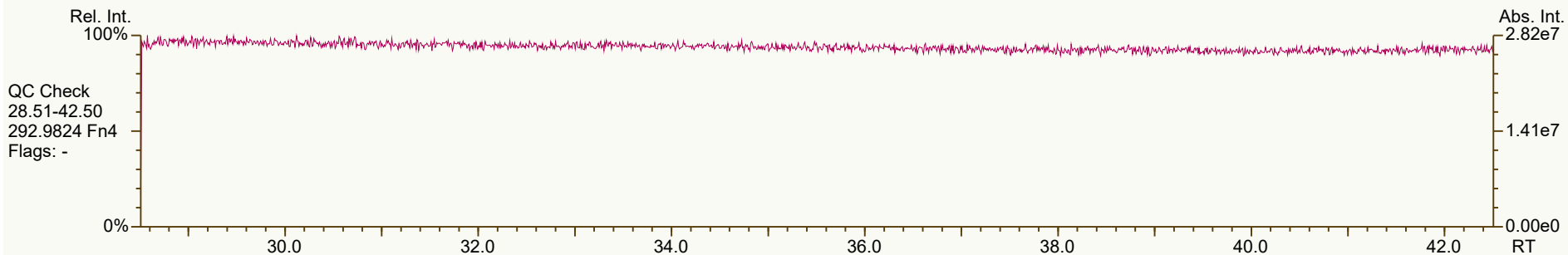
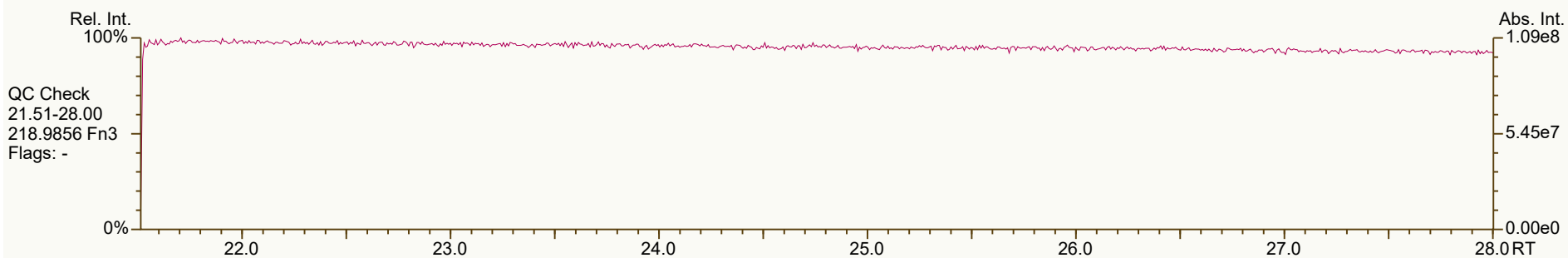
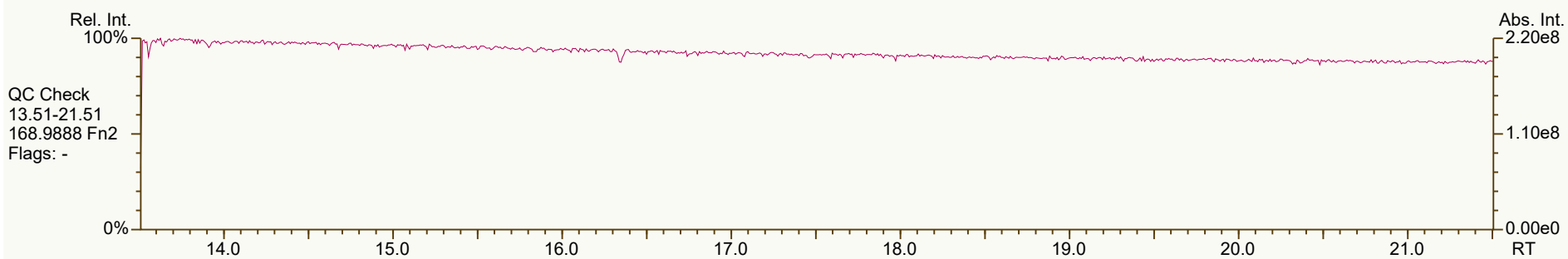
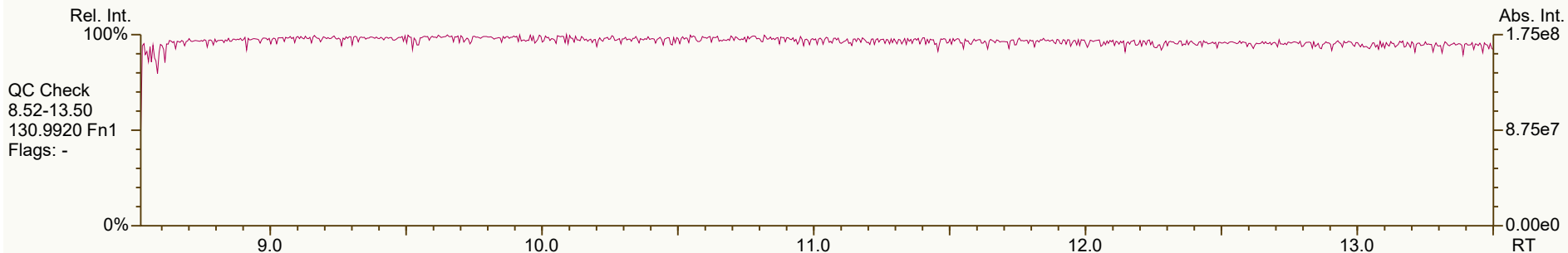
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.08E+08	-	1.35	1.30	-3.6%
13C6-2-Methylnaphthalene	12.27	8.26E+07	-	0.99	1.00	0.8%
13C6-Acenaphthylene	15.27	6.83E+07	-	1.37	1.38	1.0%
13C6-Acenaphthene	15.84	4.54E+07	-	0.91	0.92	0.9%
13C6-Fluorene	17.45	5.33E+07	-	1.09	1.08	-1.5%
13C6-Phenanthrene	20.22	9.25E+07	-	1.91	1.87	-2.1%
13C6-Anthracene	20.36	6.66E+07	-	1.35	1.35	-0.1%
13C6-Fluoranthene	23.37	7.66E+07	-	1.23	1.22	-0.3%
13C3-Pyrene	23.96	7.74E+07	-	1.23	1.24	0.2%
13C6-Benzo(a)Anthracene	26.99	5.73E+07	-	0.86	0.92	5.9%
13C6-Chrysene	27.09	7.69E+07	-	1.19	1.23	3.3%
13C6-Benzo(b)Fluoranthene	30.40	3.85E+07	-	1.28	1.31	2.4%
13C6-Benzo(k)Fluoranthene	30.50	5.33E+07	-	1.82	1.81	-0.5%
13C4-Benzo(e)Pyrene	31.48	4.47E+07	-	1.56	1.52	-2.7%
13C4-Benzo(a)Pyrene	31.69	3.47E+07	-	1.23	1.18	-4.0%
d12-Perylene	31.93	3.27E+07	-	1.13	1.11	-1.3%
13C6-Indeno(1,2,3-cd)Pyrene	37.48	2.59E+07	-	0.85	0.88	3.3%
13C6-Dibenzo(ah)Anthracene	37.68	2.99E+07	-	0.94	1.01	7.8%
13C12-Benzo(ghi)Perylene	39.21	4.04E+07	-	1.33	1.37	3.3%
AS--Anthracene	20.30	5.33E+07	-	1.17	1.08	-8.2%
SS-Fluorene	17.37	5.14E+07	-	1.00	0.96	-3.7%
SS-Terphenyl	24.35	5.78E+07	-	0.79	0.75	-5.0%
JS-Methylnaphthalene	12.15	8.28E+07	-	-	-	-
JS-Acenaphthene	15.73	4.95E+07	-	-	-	-
JS-Pyrene	23.91	6.26E+07	-	-	-	-
JS-Benzo(a)Pyrene	31.59	2.95E+07	-	-	-	-

696-498-NZM

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 696-498

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 16:08 Page 1 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0383, 4204, 7801, 8662, 4446 scc: 696-498

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 2 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7163, 5916, 8748, 9322, 1032 scc: 696-498

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 3 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)

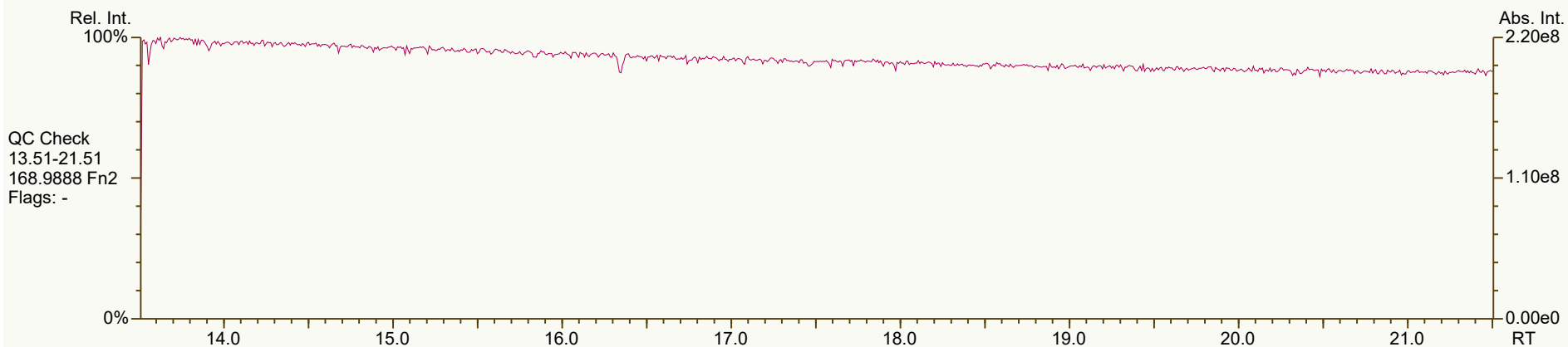
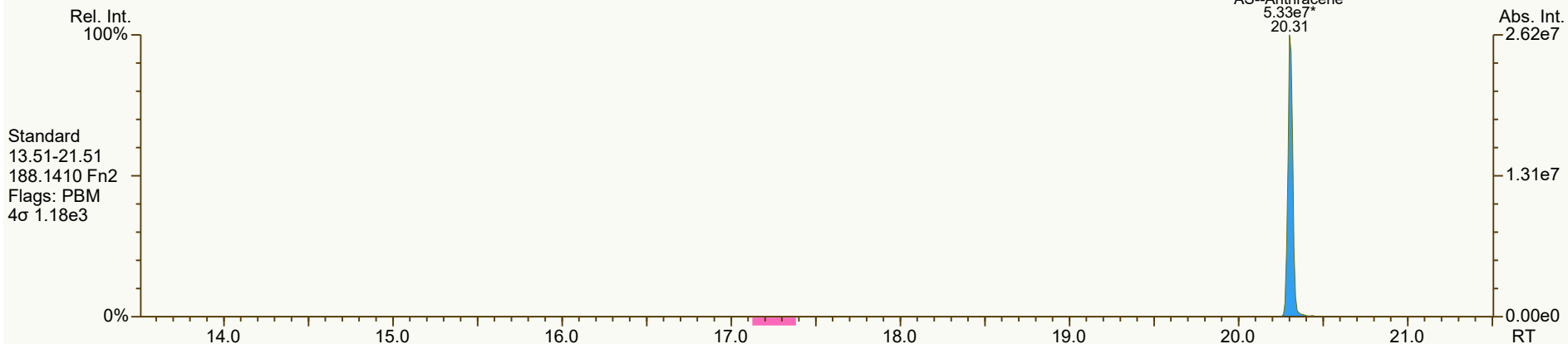
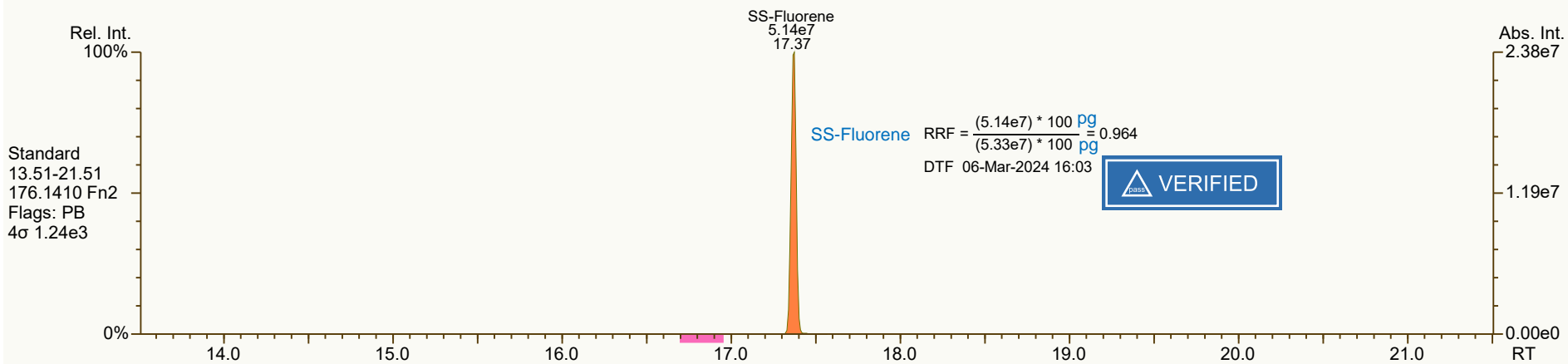
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8308, 3336, 1557, 1831 scc: 696-498

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 4 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)

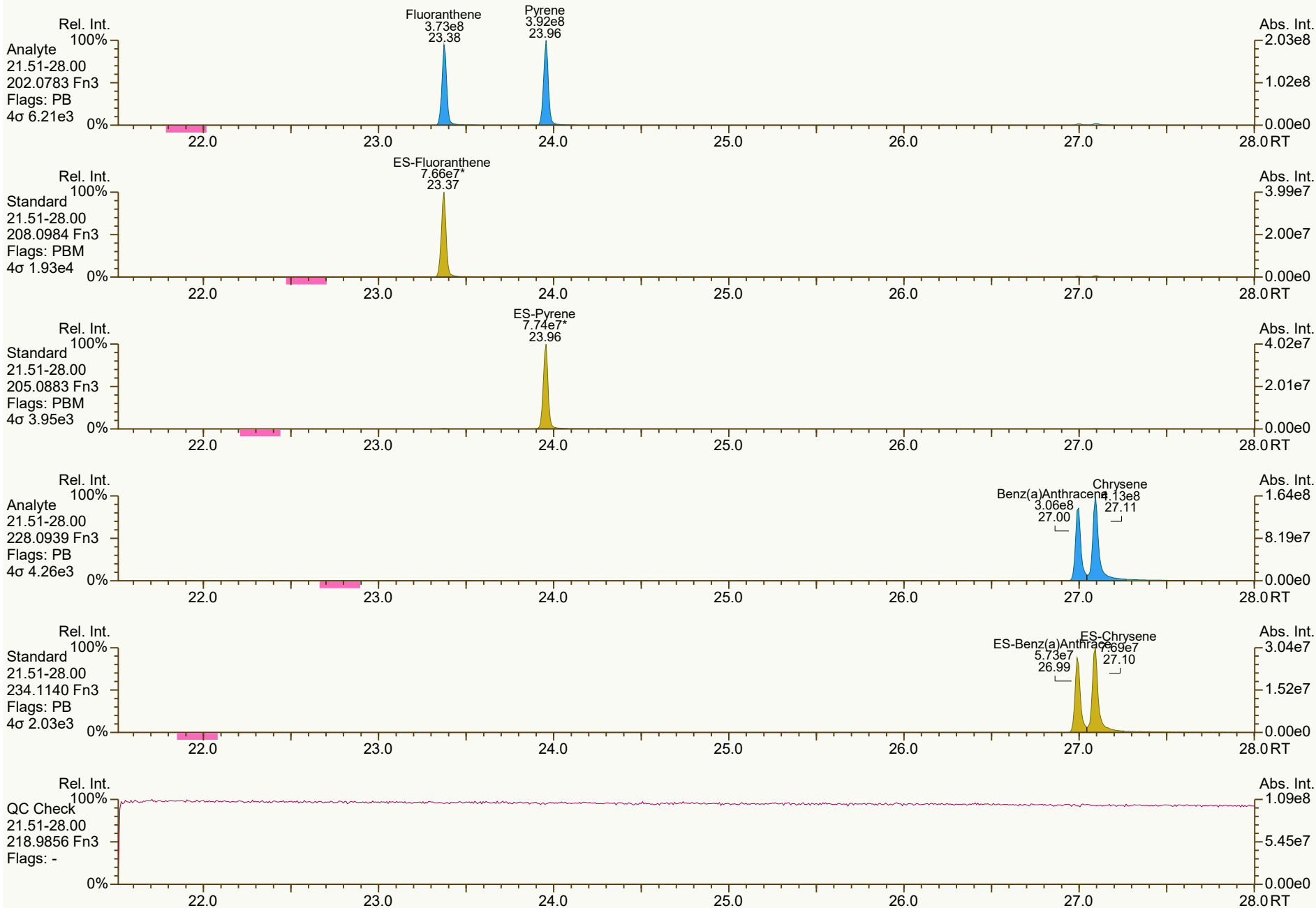
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5124, 3633 scc: 696-498

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 5 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)

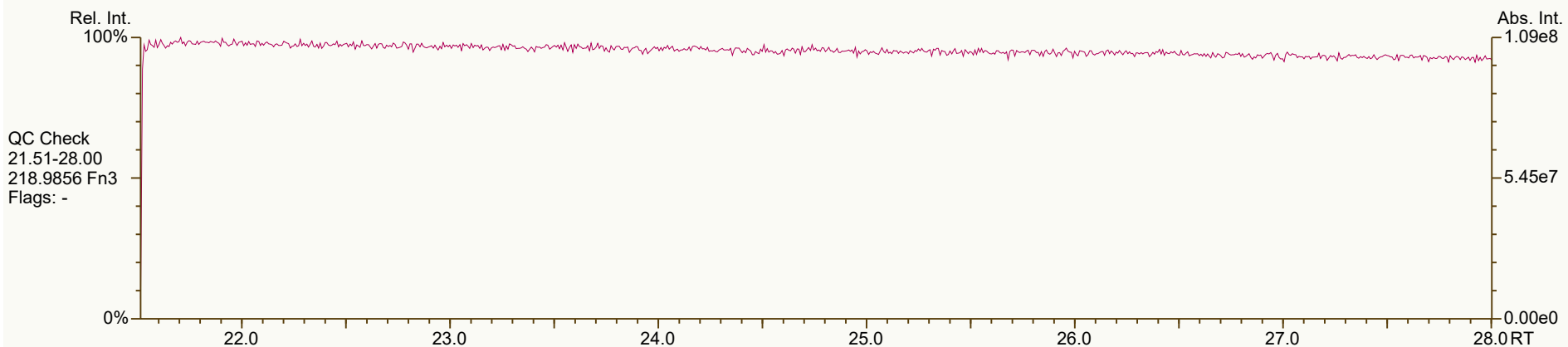
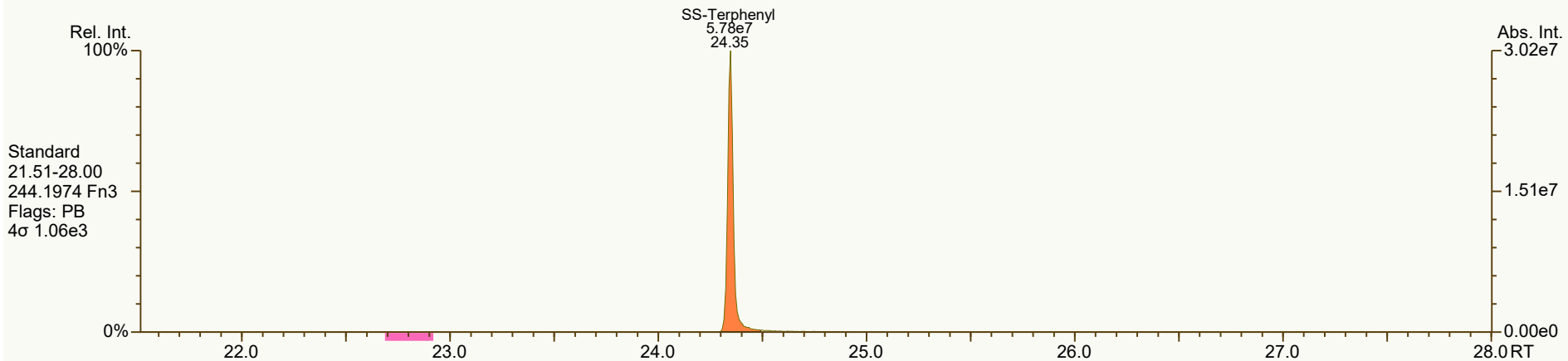
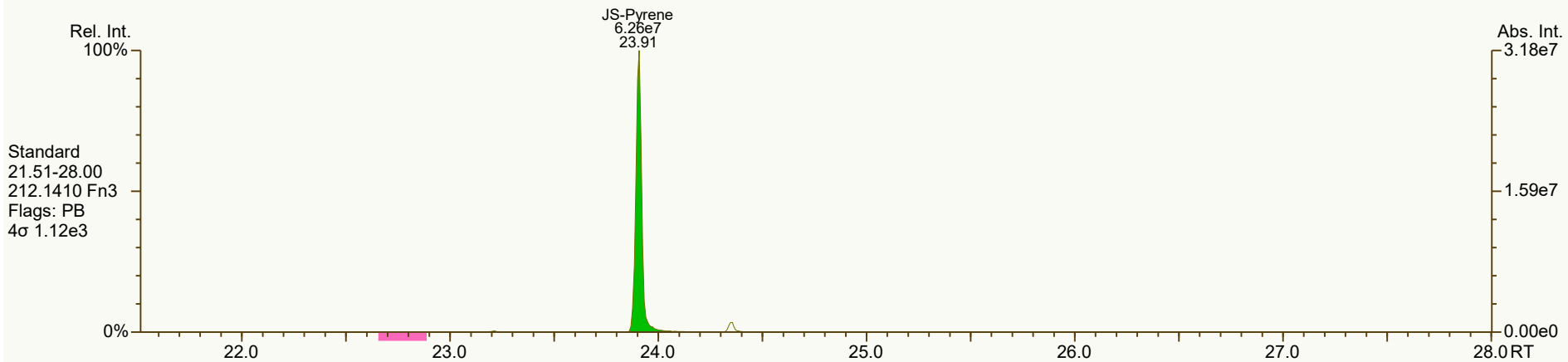
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7273, 2249, 6674, 7802, 0210 scc: 696-498

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 6 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

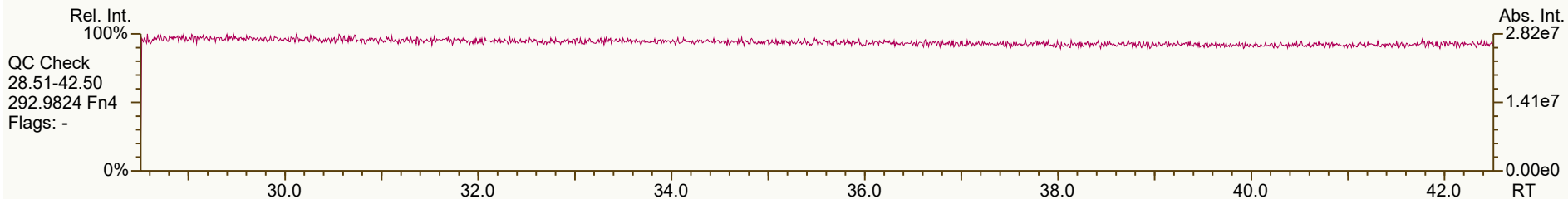
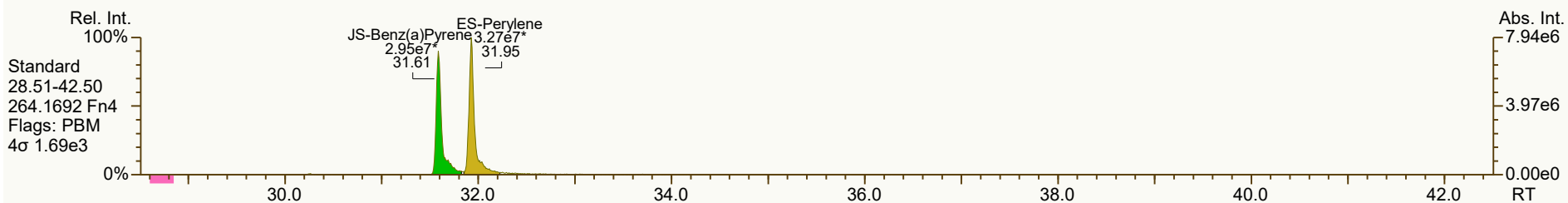
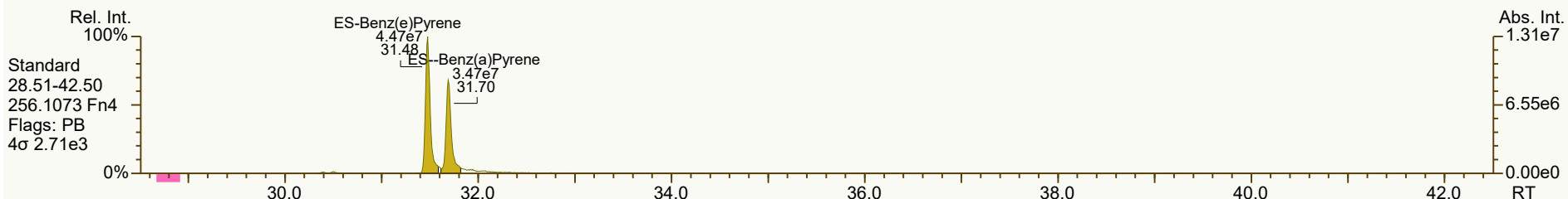
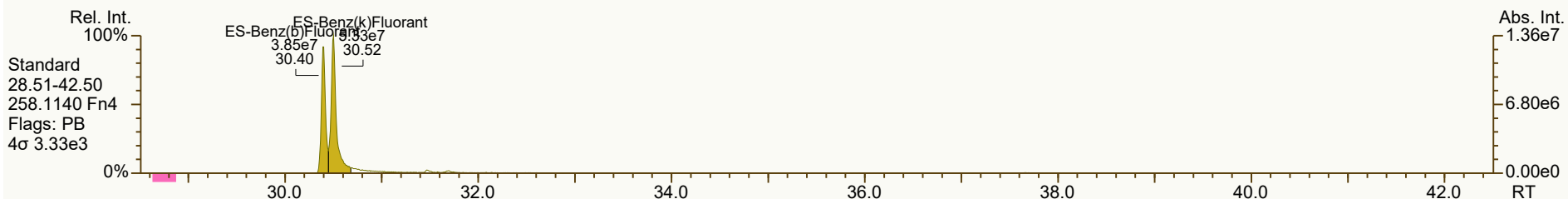
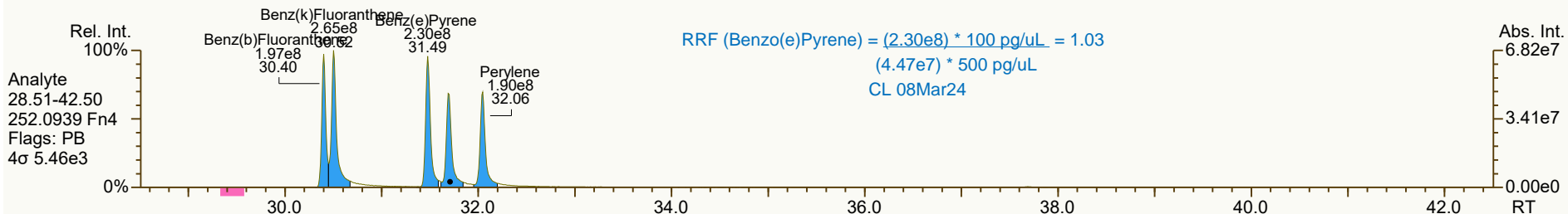
Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)

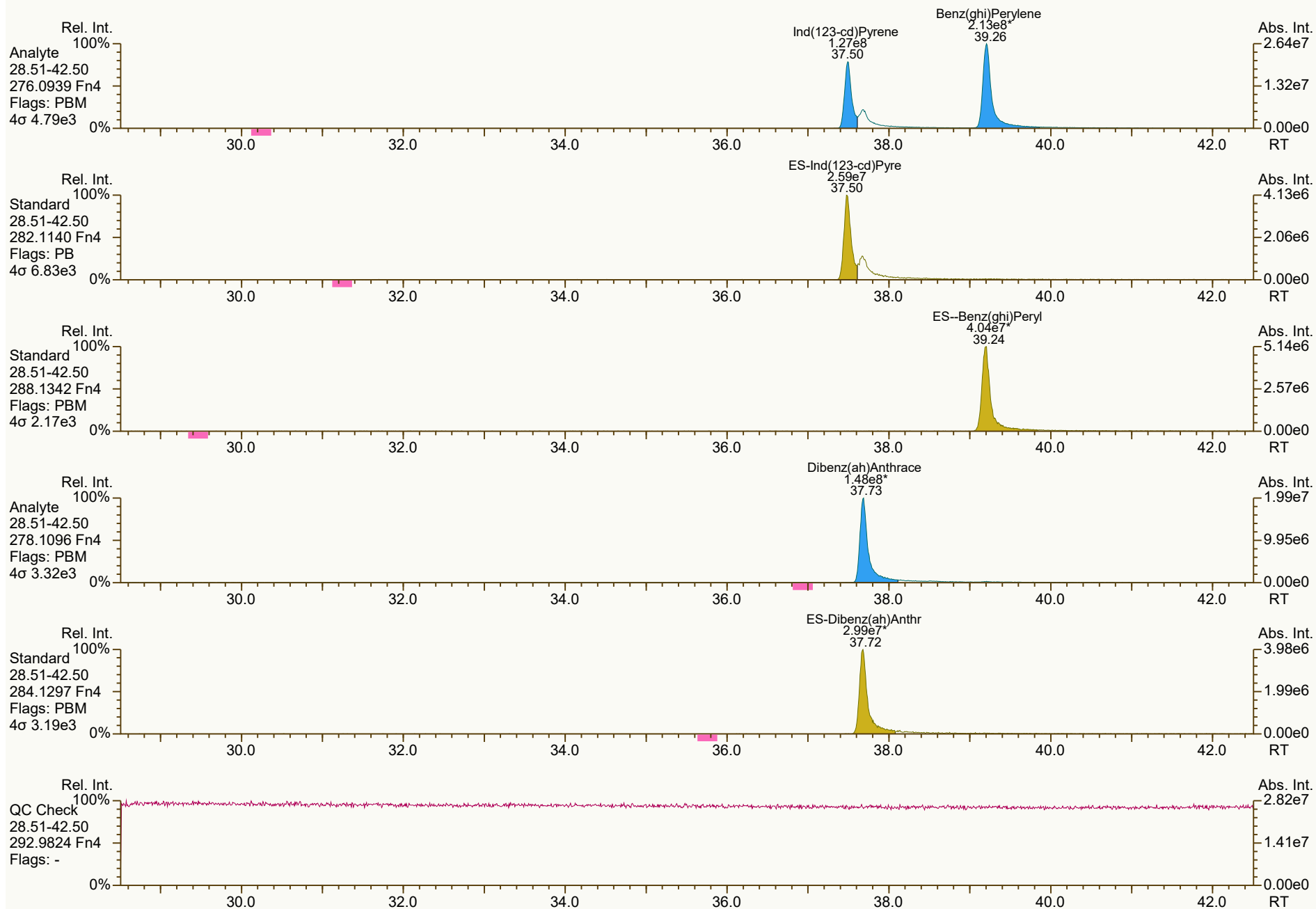
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3803, 3678, 1702, 2022 scc: 696-498

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 8 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

Acq: 05-Mar-2024 19:10:31
User: DTF Datafile: 240305V09



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS4_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:04 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5820, 7753, 0996, 4642, 5728 scc: 696-498

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 9 of 9

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS5_240305_PAH_VA
Acquired: 05 Mar 2024 19:57:08
Datafile: 240305V10

MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	9.54	1.21E+09	-	0.99	1.05	5.9%
2-Methylnaphthalene	12.27	9.26E+08	-	1.01	1.05	4.2%
Acenaphthylene	15.27	7.83E+08	-	0.92	1.06	14.4%
Acenaphthene	15.84	5.29E+08	-	1.01	1.06	4.4%
Fluorene	17.46	6.44E+08	-	1.02	1.07	5.6%
Phenanthrene	20.22	1.11E+09	-	1.00	1.02	2.0%
Anthracene	20.36	9.92E+08	-	1.23	1.30	5.5%
Fluoranthene	23.37	8.93E+08	-	0.92	0.94	2.5%
Pyrene	23.96	9.70E+08	-	0.98	0.99	1.4%
Benzo(a)Anthracene	26.99	7.83E+08	-	1.00	1.06	6.2%
Chrysene	27.08	1.01E+09	-	1.01	1.07	5.8%
Benzo(b)Fluoranthene	30.39	5.04E+08	-	0.98	0.99	1.1%
Benzo(k)Fluoranthene	30.50	6.99E+08	-	0.92	1.03	11.7%
Benzo(e)Pyrene	31.48	5.85E+08	-	0.98	1.02	4.8%
Benzo(a)Pyrene	31.69	4.94E+08	-	0.98	1.06	8.2%
Perylene	32.04	5.02E+08	-	1.06	1.18	11.6%
Indeno(1,2,3-cd)Pyrene	37.49	3.61E+08	-	0.92	0.96	5.2%
Dibenzo(a,h)Anthracene	37.68	4.35E+08	-	0.94	0.98	4.5%
Benzo(ghi)Perylene	39.20	5.55E+08	-	0.97	1.03	6.4%

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:58

Lab ID: CS5_240305_PAH_VA
Acquired: 05 Mar 2024 19:57:08
Datafile: 240305V10

MM6_PAH_ICAL_05MAR2024

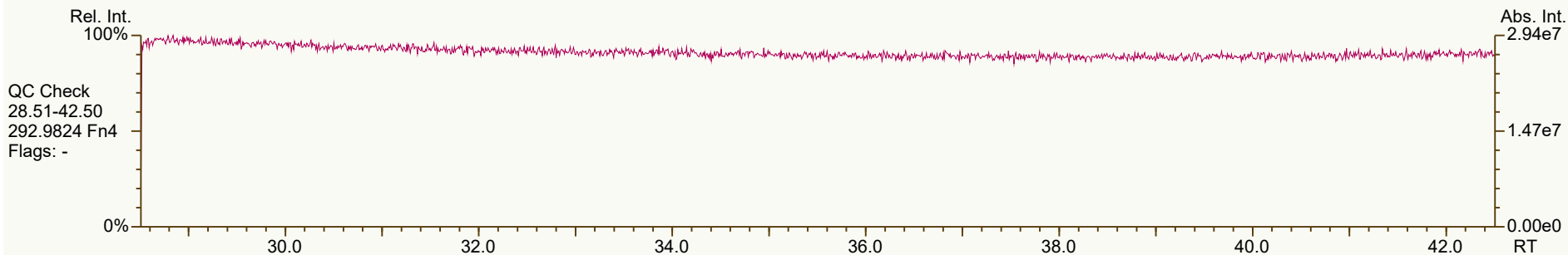
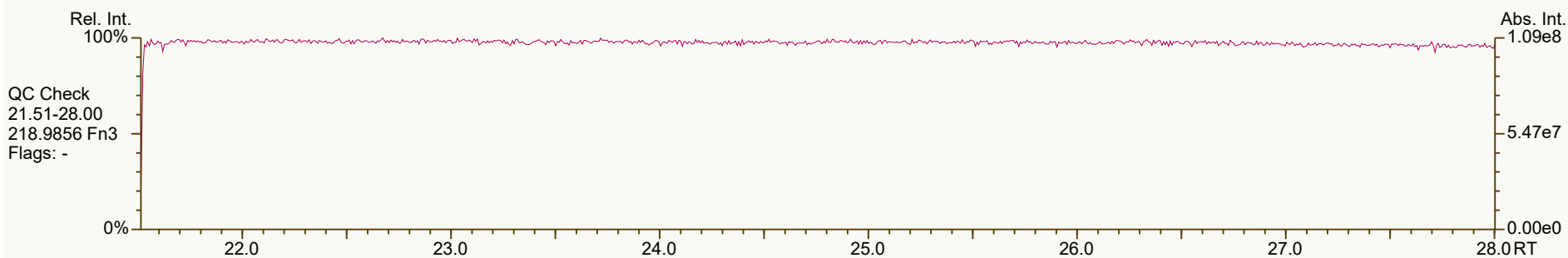
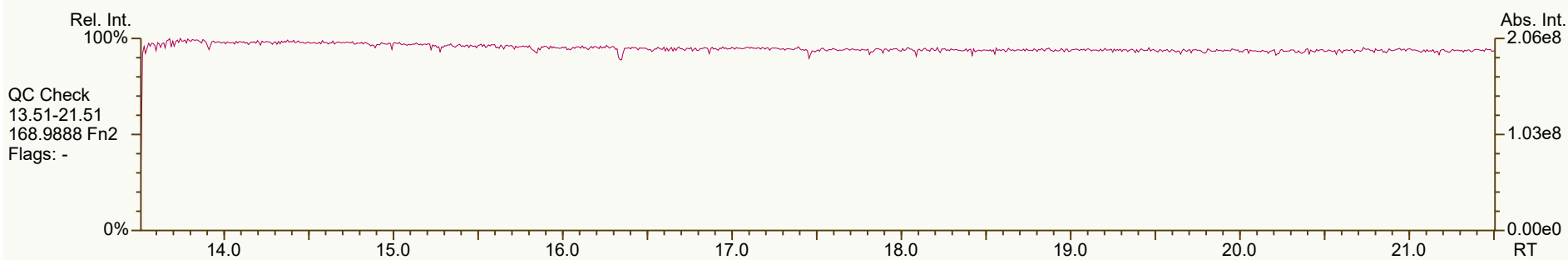
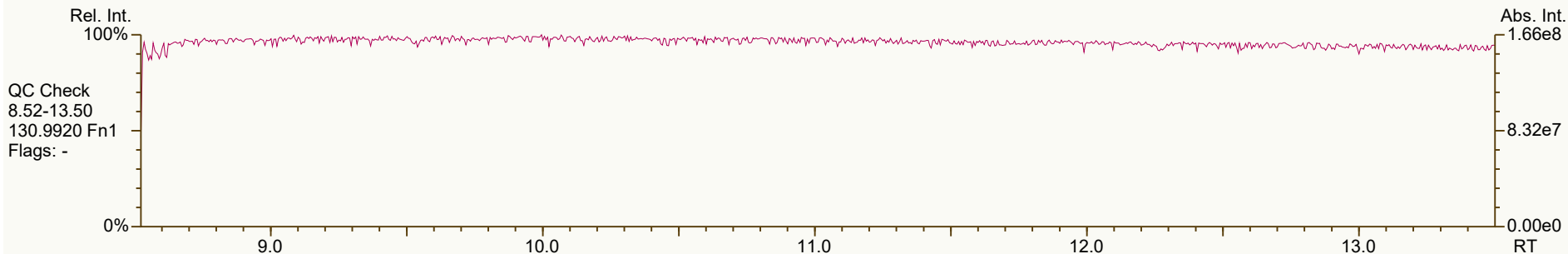
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.15E+08	-	1.35	1.29	-3.9%
13C6-2-Methylnaphthalene	12.26	8.81E+07	-	0.99	0.99	-0.2%
13C6-Acenaphthylene	15.27	7.41E+07	-	1.37	1.37	0.1%
13C6-Acenaphthene	15.84	5.00E+07	-	0.91	0.92	1.4%
13C6-Fluorene	17.45	5.99E+07	-	1.09	1.10	1.1%
13C6-Phenanthrene	20.22	1.09E+08	-	1.91	2.01	5.2%
13C6-Anthracene	20.36	7.63E+07	-	1.35	1.41	4.6%
13C6-Fluoranthene	23.37	9.52E+07	-	1.23	1.23	-0.2%
13C3-Pyrene	23.95	9.75E+07	-	1.23	1.26	1.8%
13C6-Benzo(a)Anthracene	26.99	7.36E+07	-	0.86	0.95	9.7%
13C6-Chrysene	27.08	9.49E+07	-	1.19	1.22	2.8%
13C6-Benzo(b)Fluoranthene	30.39	5.07E+07	-	1.28	1.29	1.1%
13C6-Benzo(k)Fluoranthene	30.49	6.82E+07	-	1.82	1.74	-4.6%
13C4-Benzo(e)Pyrene	31.47	5.72E+07	-	1.56	1.45	-6.8%
13C4-Benzo(a)Pyrene	31.69	4.65E+07	-	1.23	1.18	-3.6%
d12-Perylene	31.92	4.25E+07	-	1.13	1.08	-4.0%
13C6-Indeno(1,2,3-cd)Pyrene	37.48	3.74E+07	-	0.85	0.95	11.8%
13C6-Dibenzo(ah)Anthracene	37.68	4.44E+07	-	0.94	1.13	20.2%
13C12-Benzo(ghi)Perylene	39.19	5.38E+07	-	1.33	1.37	3.2%
AS--Anthracene	20.30	6.43E+07	-	1.17	1.19	1.2%
SS-Fluorene	17.37	5.89E+07	-	1.00	0.98	-2.0%
SS-Terphenyl	24.34	7.29E+07	-	0.79	0.77	-3.6%
JS-Methylnaphthalene	12.15	8.92E+07	-	-	-	-
JS-Acenaphthene	15.73	5.42E+07	-	-	-	-
JS-Pyrene	23.90	7.77E+07	-	-	-	-
JS-Benzo(a)Pyrene	31.58	3.93E+07	-	-	-	-

225-555-SCQ

SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 225-555

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 16:08 Page 1 of 9

SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3875, 8215, 2854, 1831, 1600 scc: 225-555

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:43 (DTF) Printed: 06-Mar-2024 16:08 Page 2 of 9

SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



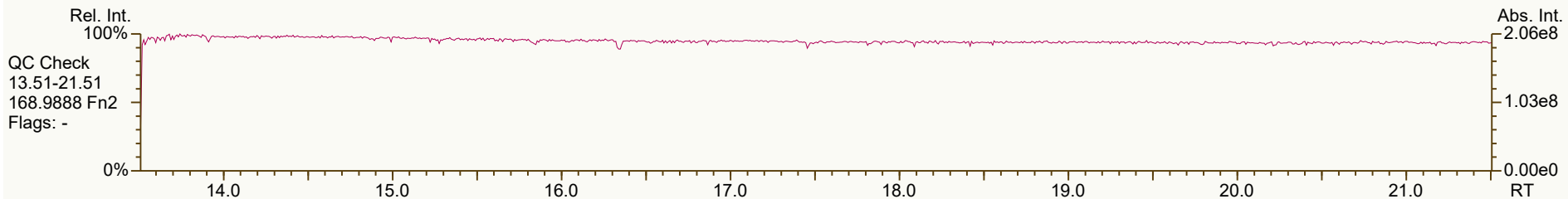
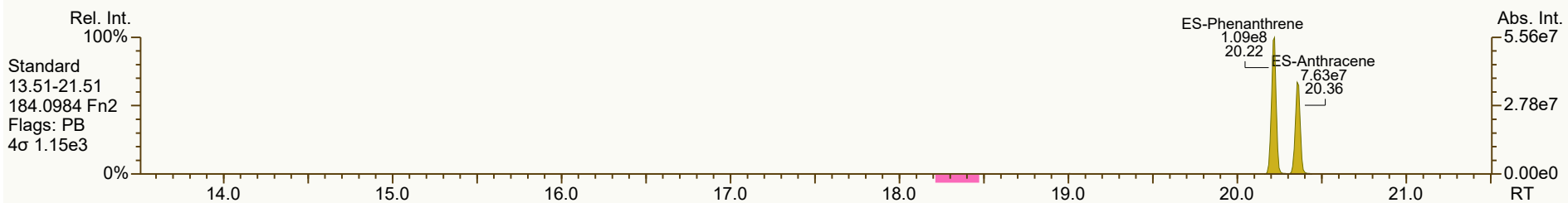
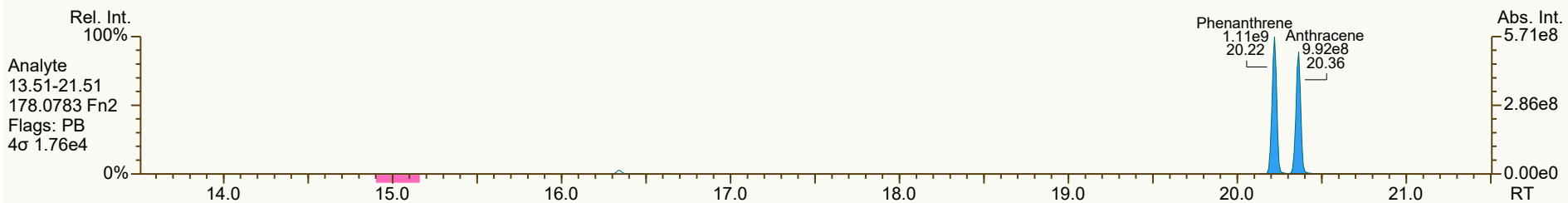
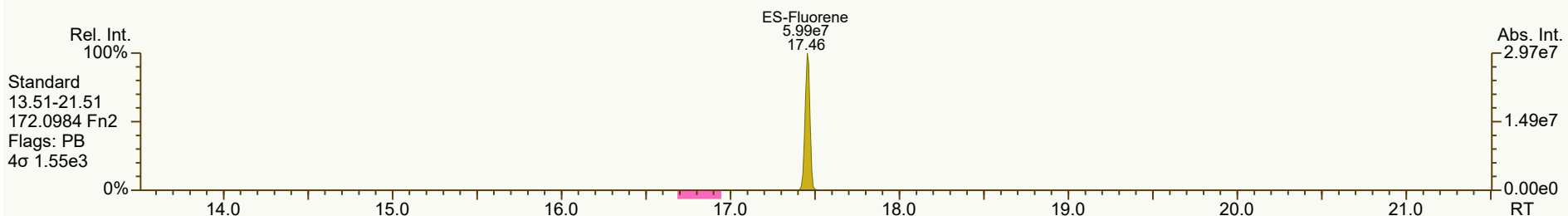
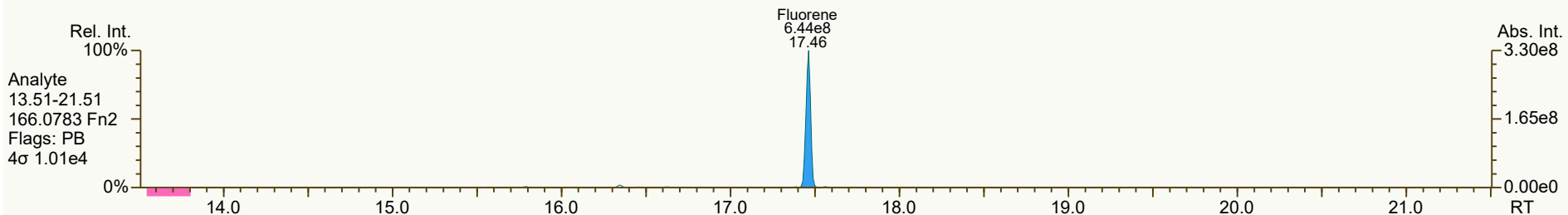
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0170, 7730, 7659, 0332, 8013 scc: 225-555

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:43 Printed: 06-Mar-2024 16:08 Page 3 of 9

SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



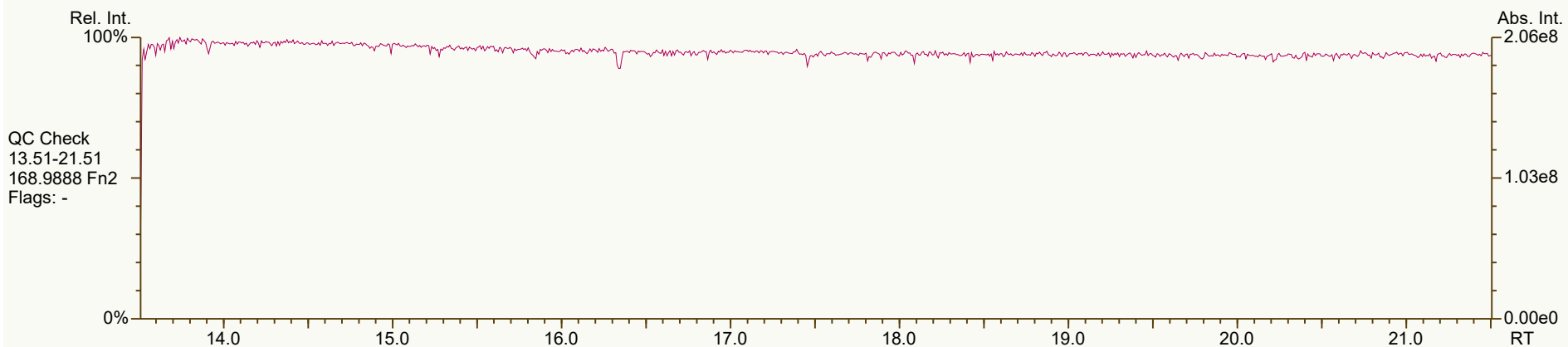
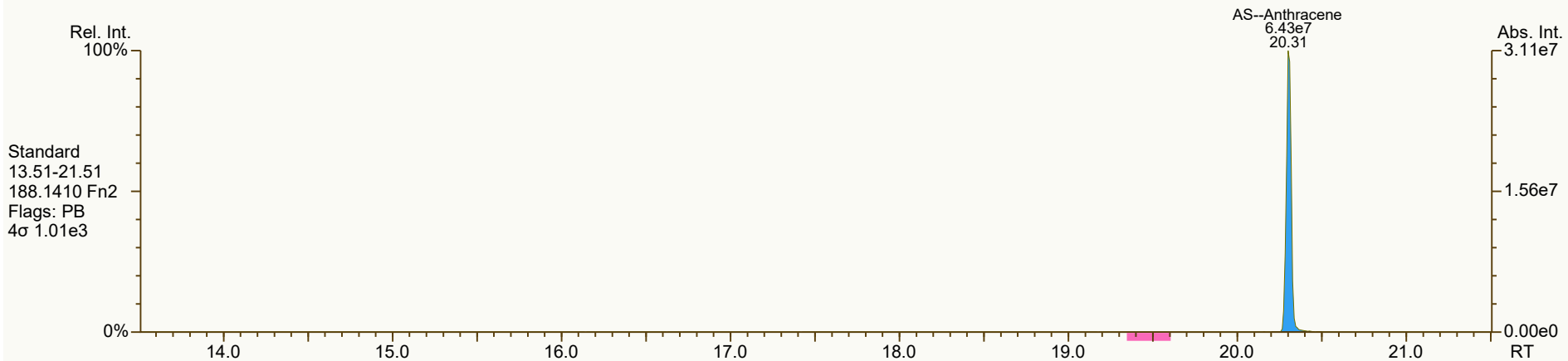
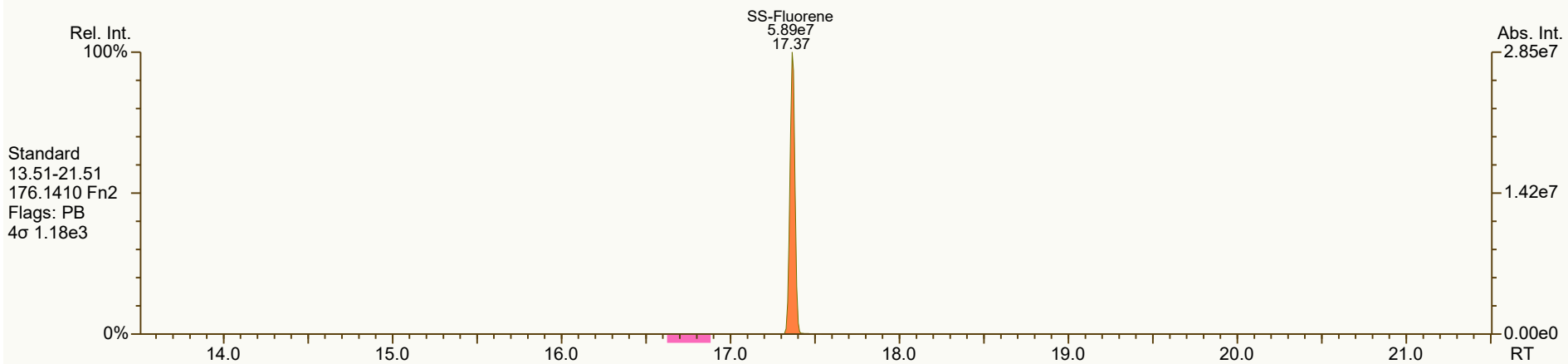
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2556, 7366, 7586, 7337 scc: 225-555

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:43 Printed: 06-Mar-2024 16:08 Page 4 of 9

SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

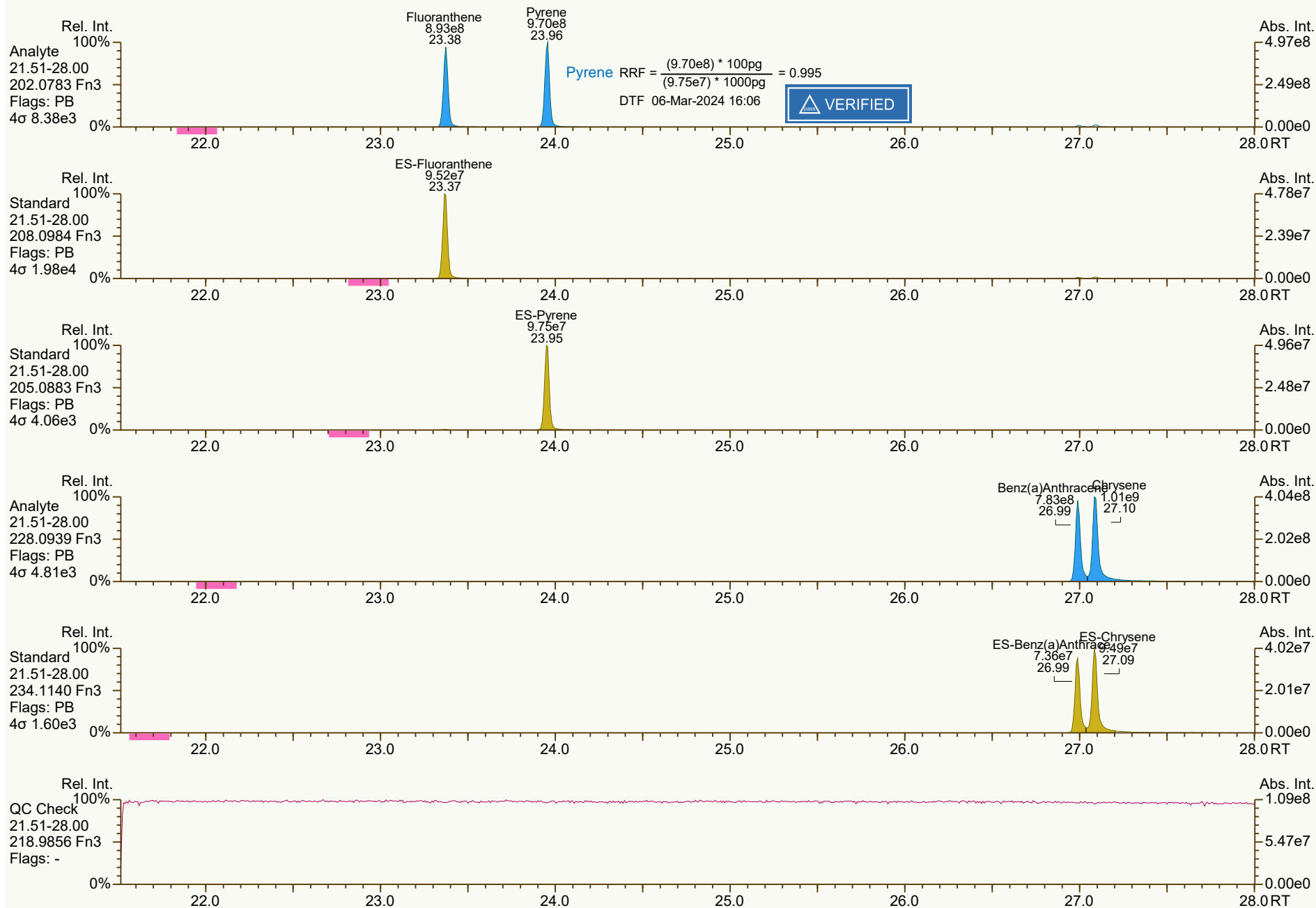
Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



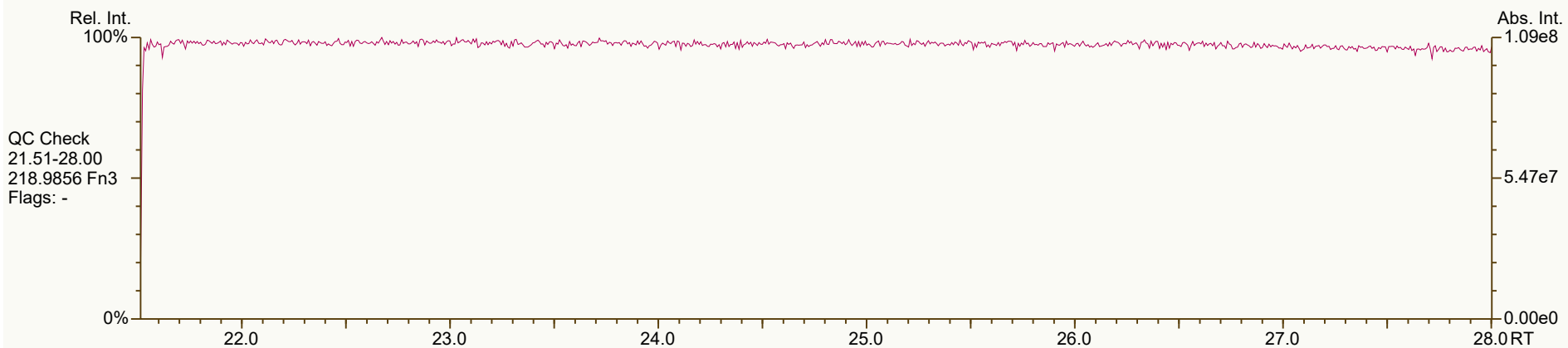
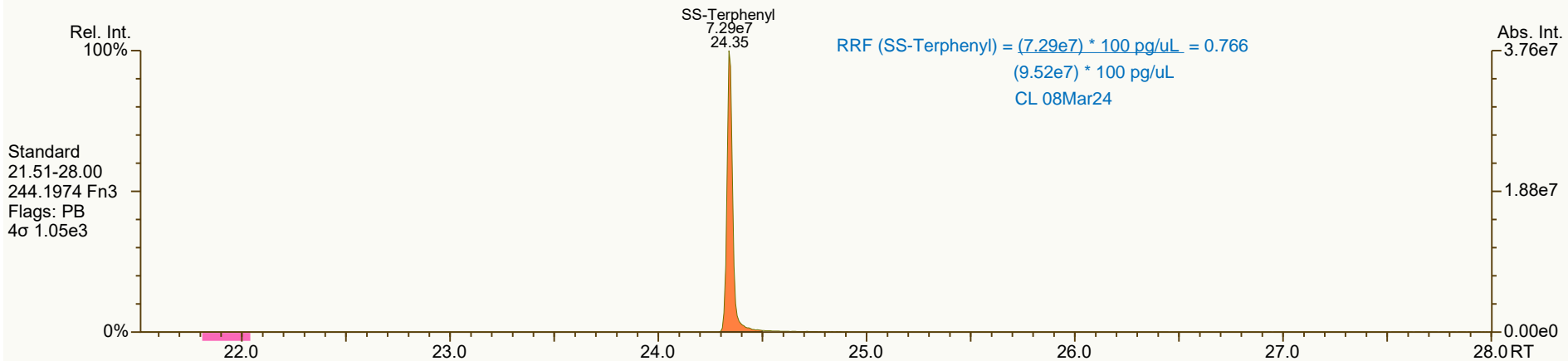
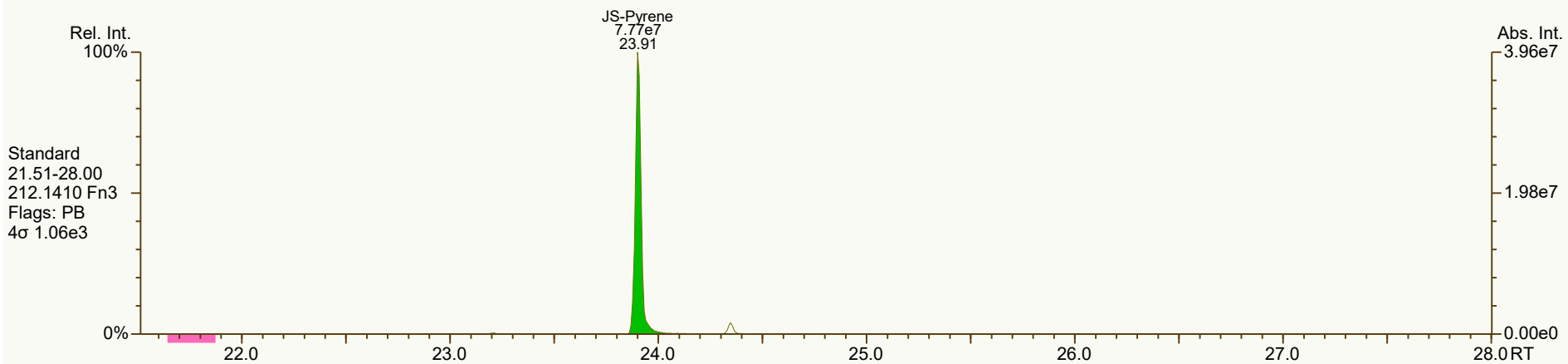
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4876, 6592, 9514, 3159, 5192 scc: 225-555

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:43 Printed: 06-Mar-2024 16:08 Page 6 of 9

SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

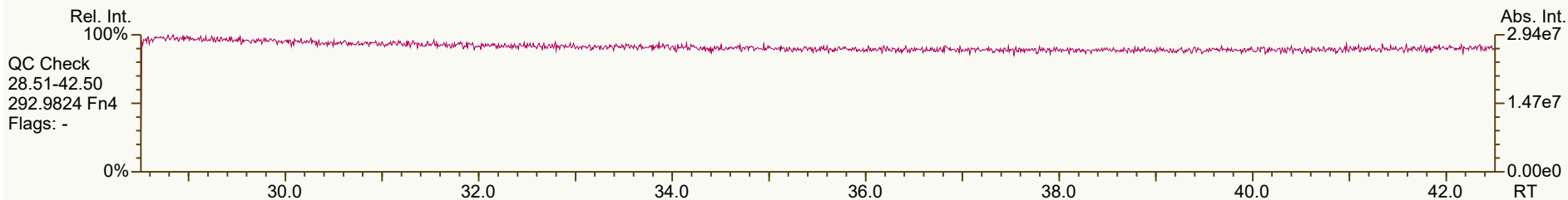
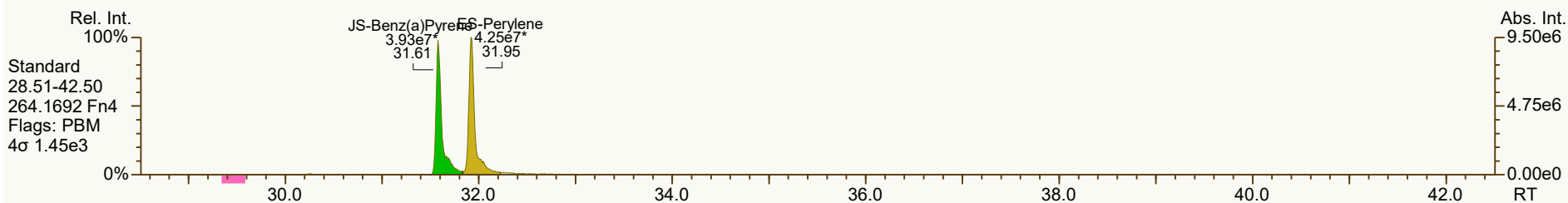
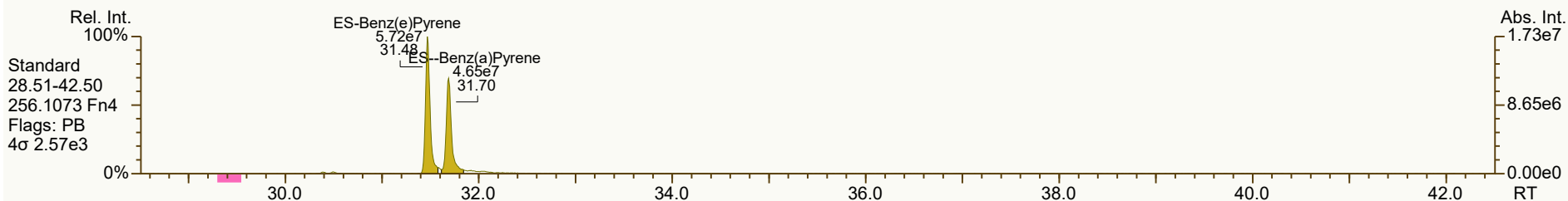
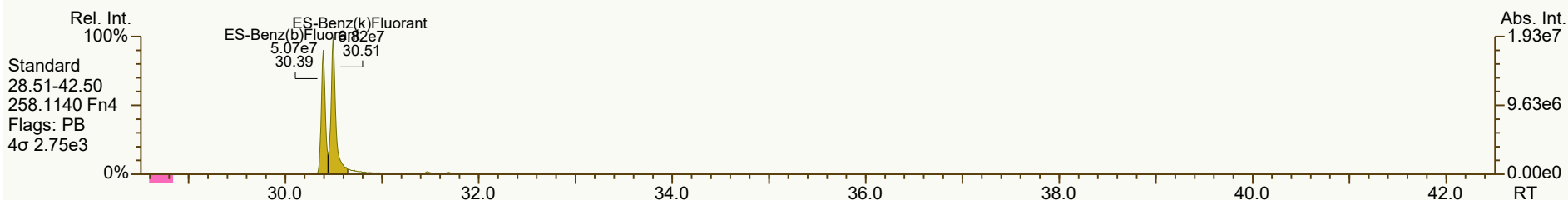
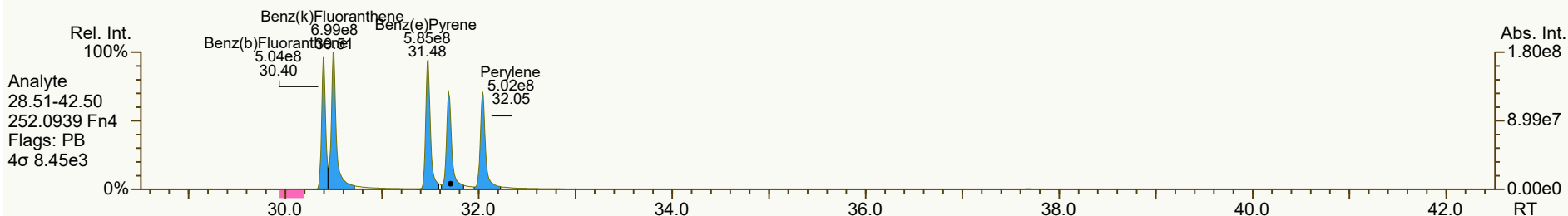
Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9213, 6929, 4616, 8839 scc: 225-555

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:43 (DTF) Printed: 06-Mar-2024 16:08 Page 8 of 9

SGS ID: CS5_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-1
VSIR EI+ Expt: pah GC: pah Vial: 13

Acq: 05-Mar-2024 19:57:08
User: DTF Datafile: 240305V10



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)

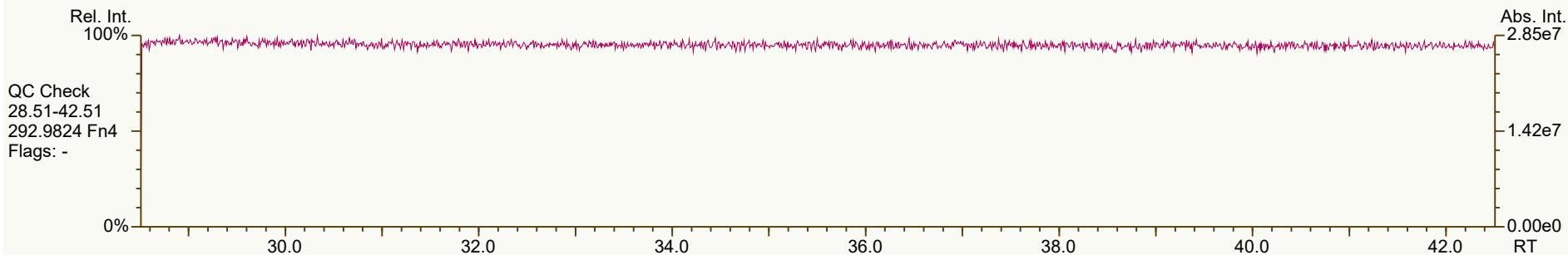
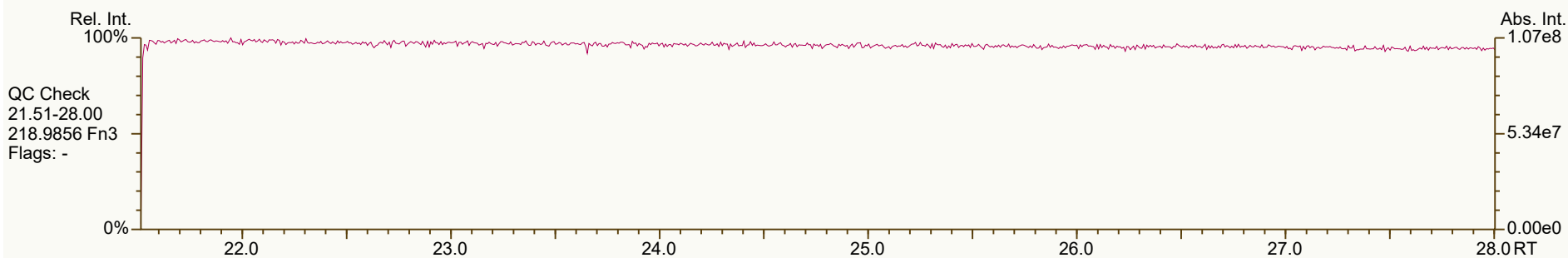
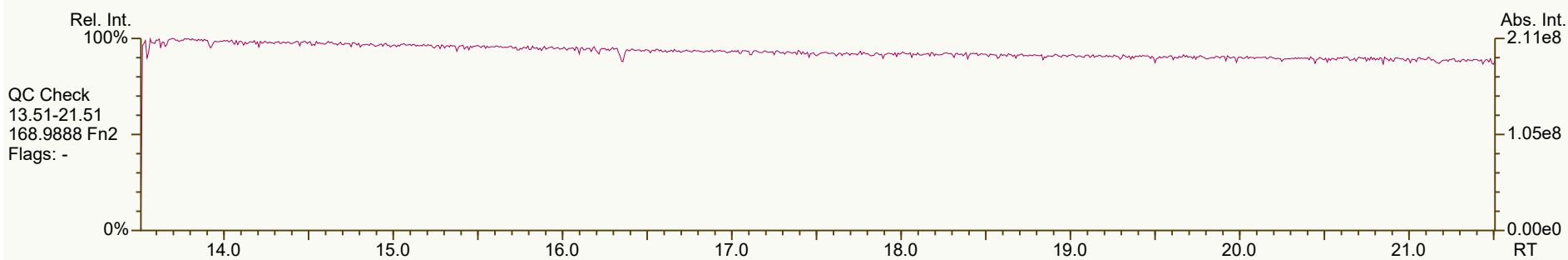
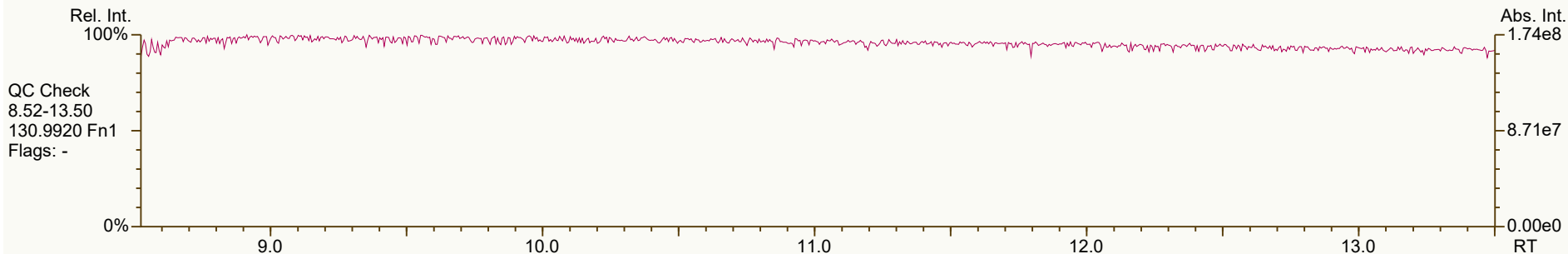
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3044, 9090, 1913, 5356, 1143 scc: 225-555

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:43 (DTF) Printed: 06-Mar-2024 16:08 Page 9 of 9

SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



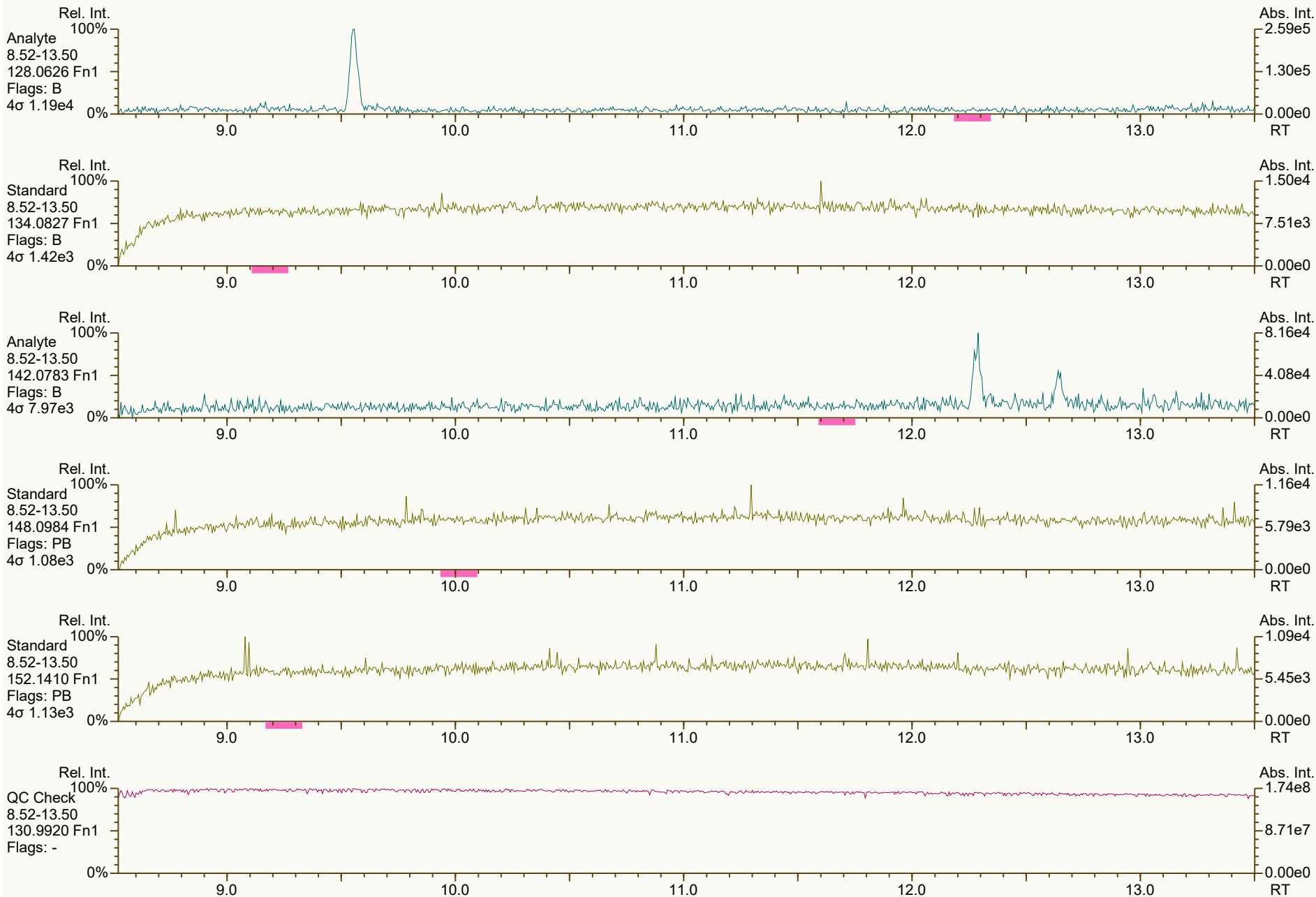
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\SB_240305_PAH_VC.utp_res, saved 06-Mar-2024 14:44 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 129-573

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 16:07 Page 1 of 9

SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



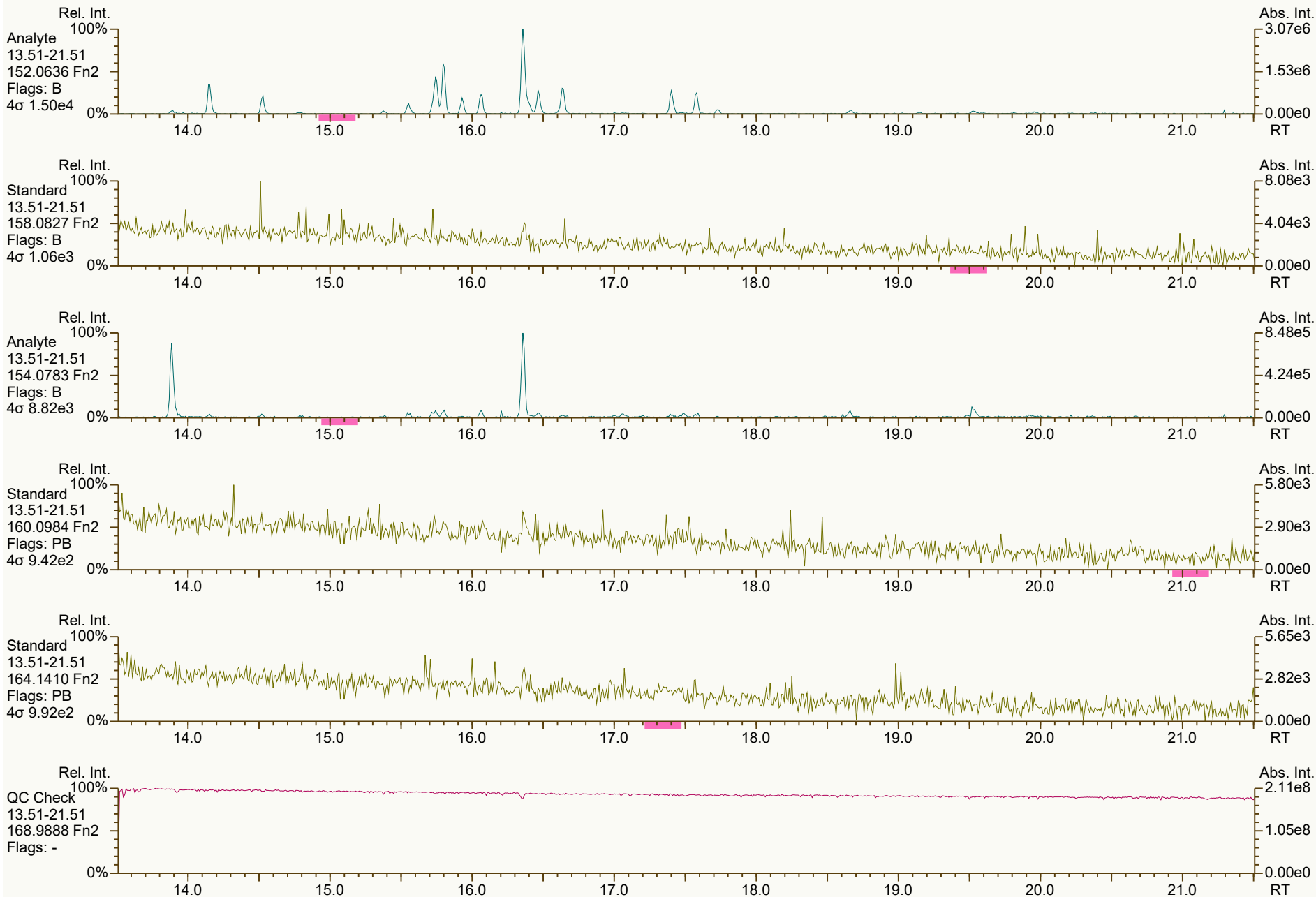
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\SB_240305_PAH_VC.utp_res, saved 06-Mar-2024 14:44 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1425, 0879, 7164, 3635, 5309 scc: 129-573

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:44 Printed: 06-Mar-2024 16:07 Page 2 of 9

SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



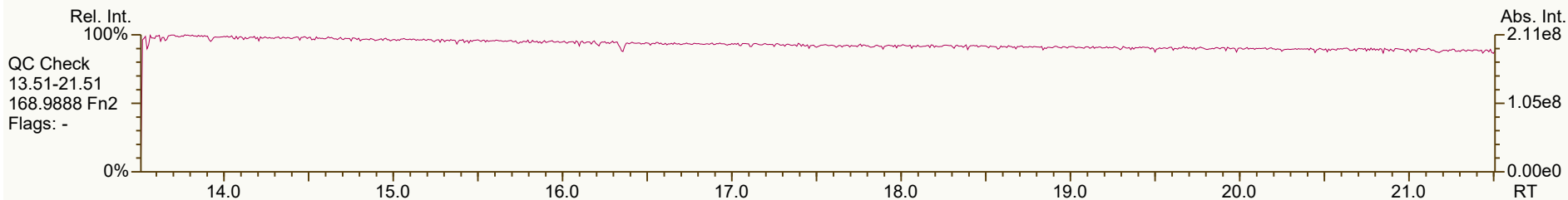
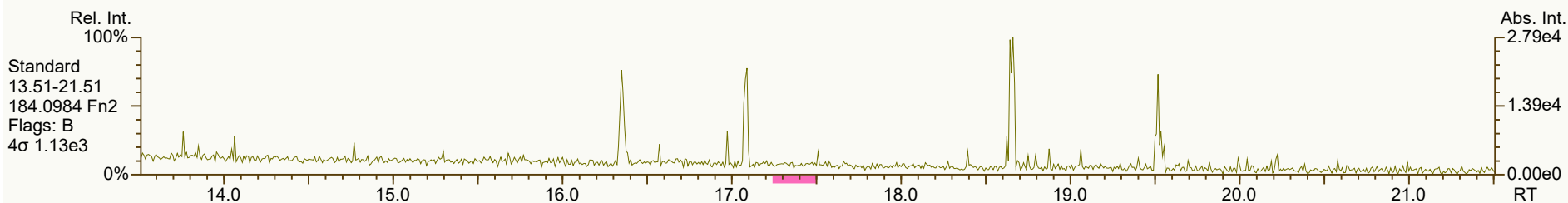
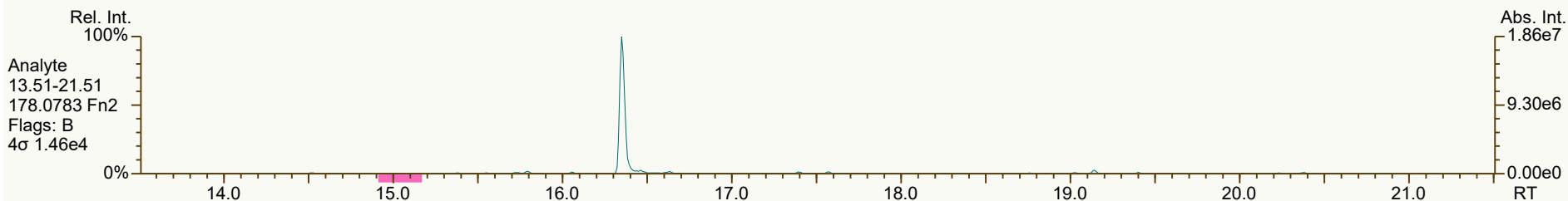
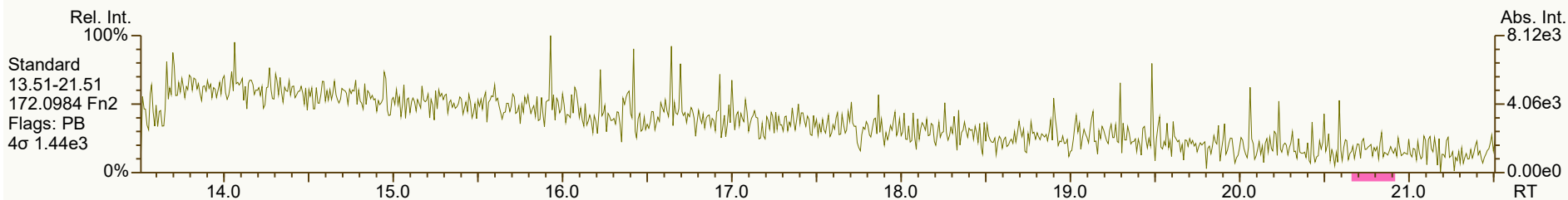
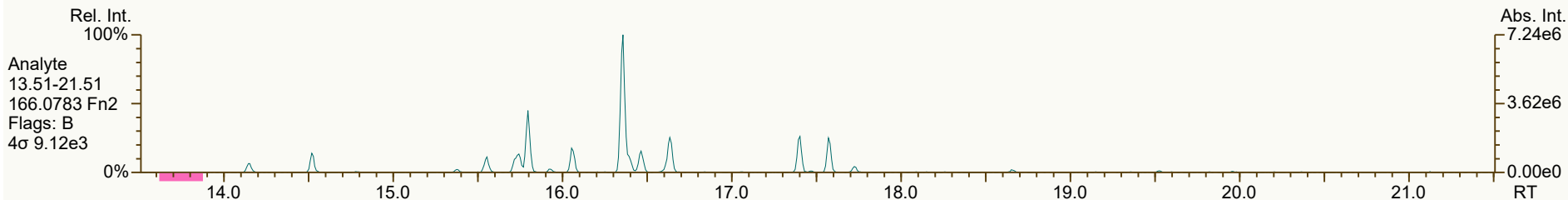
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\SB_240305_PAH_VC.utp_res, saved 06-Mar-2024 14:44 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8593, 1886, 1294, 7627, 0116 scc: 129-573

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:44 Printed: 06-Mar-2024 16:07 Page 3 of 9

SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



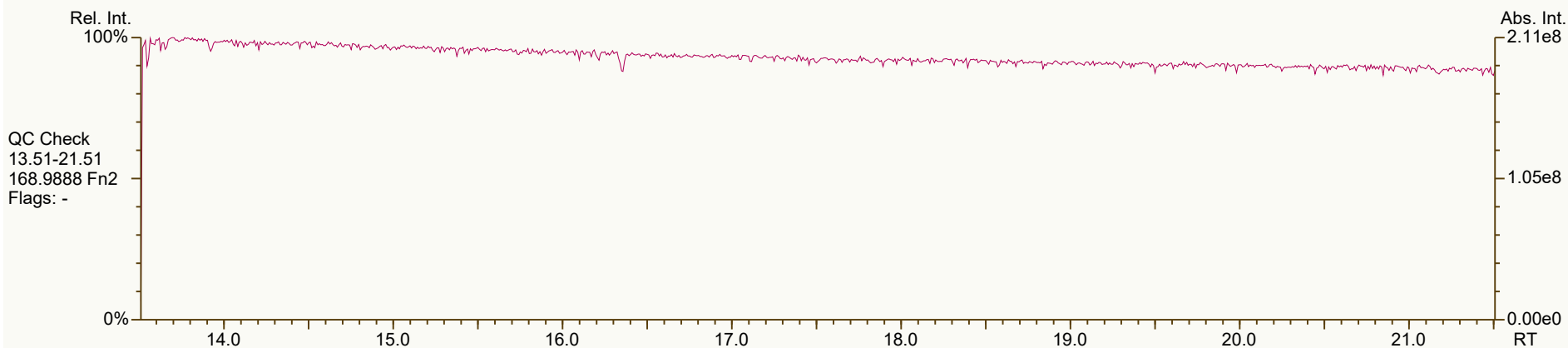
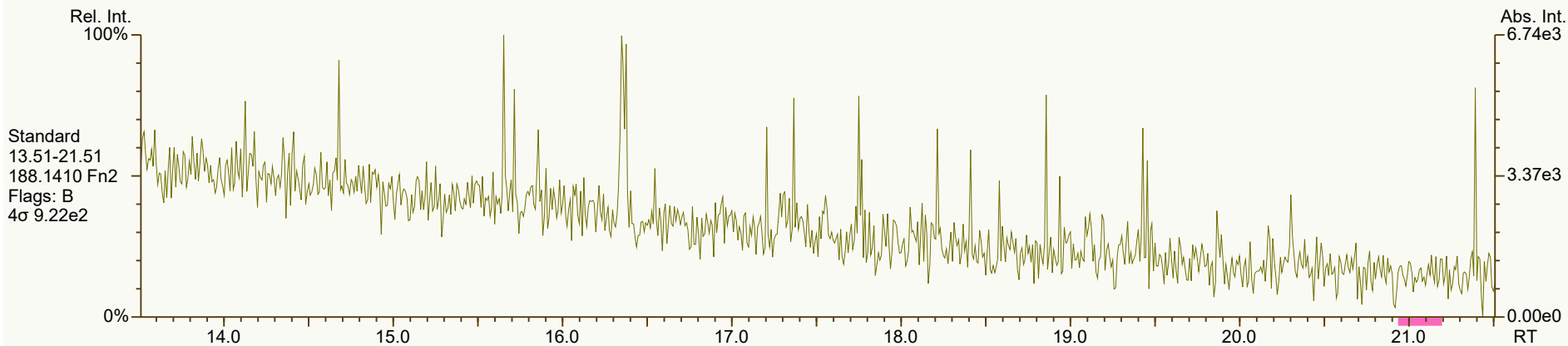
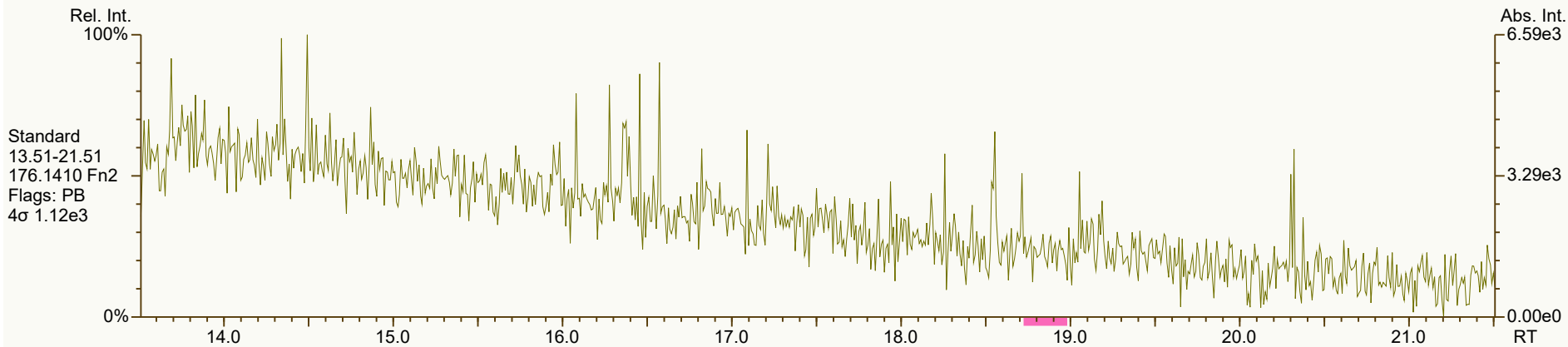
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\SB_240305_PAH_VC.utp_res, saved 06-Mar-2024 14:44 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0710, 8294, 9614, 8692 scc: 129-573

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:44 Printed: 06-Mar-2024 16:07 Page 4 of 9

SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

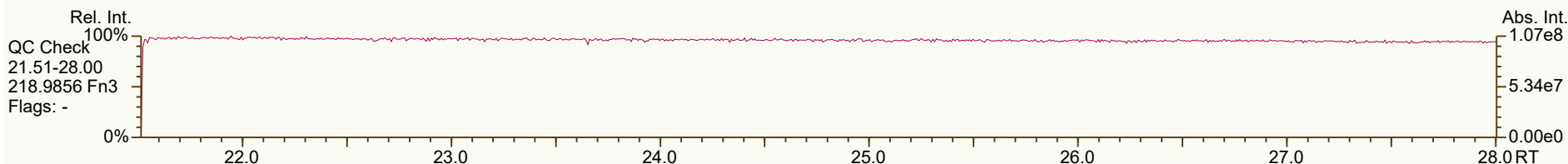
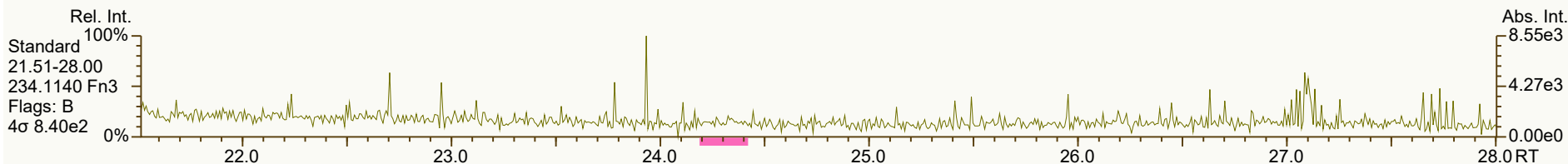
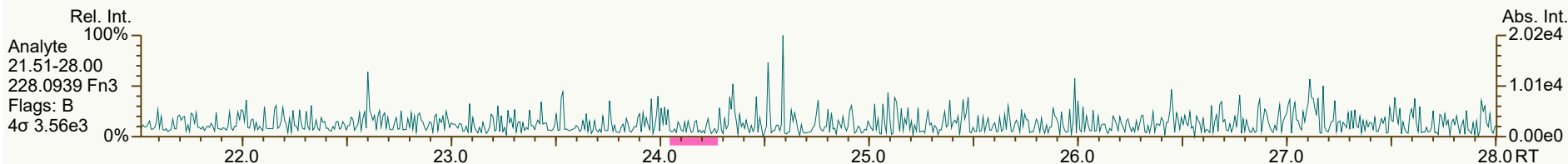
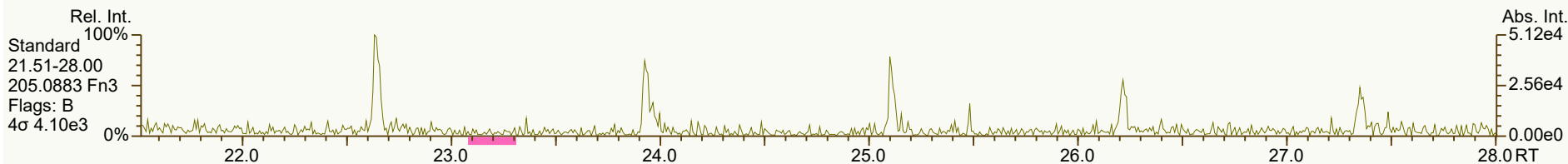
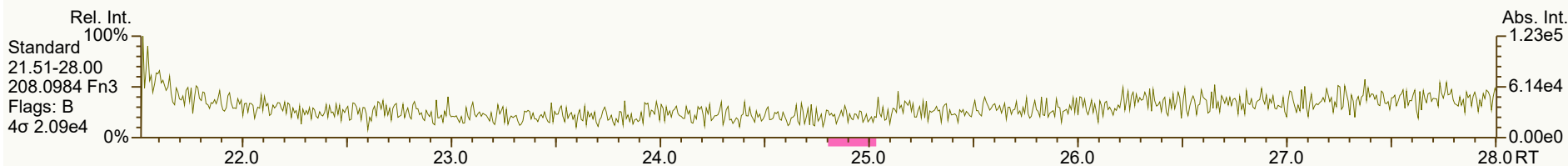
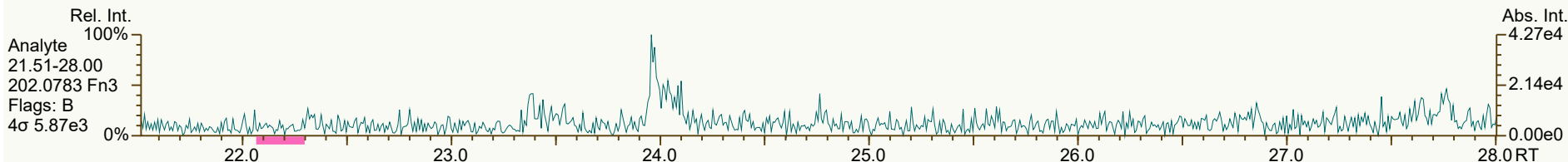
Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

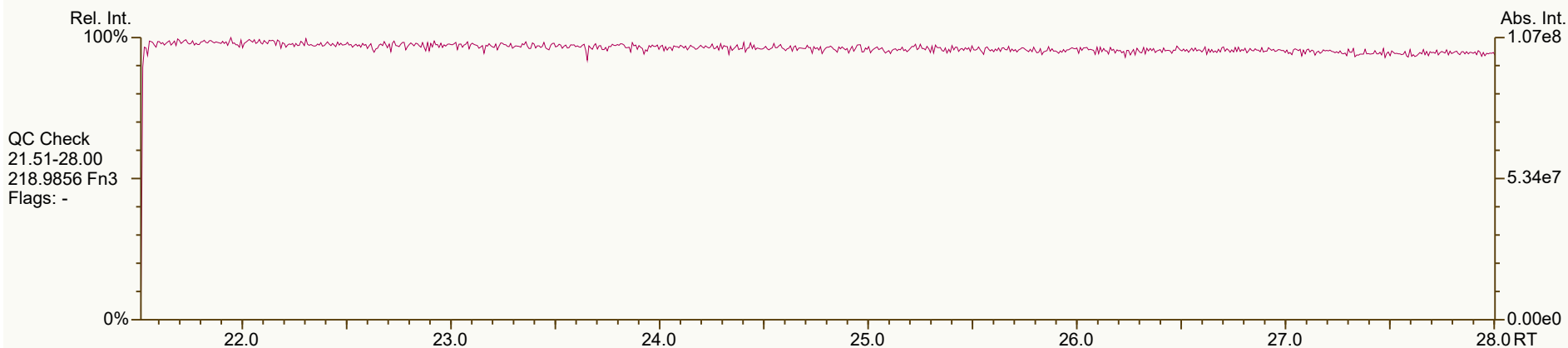
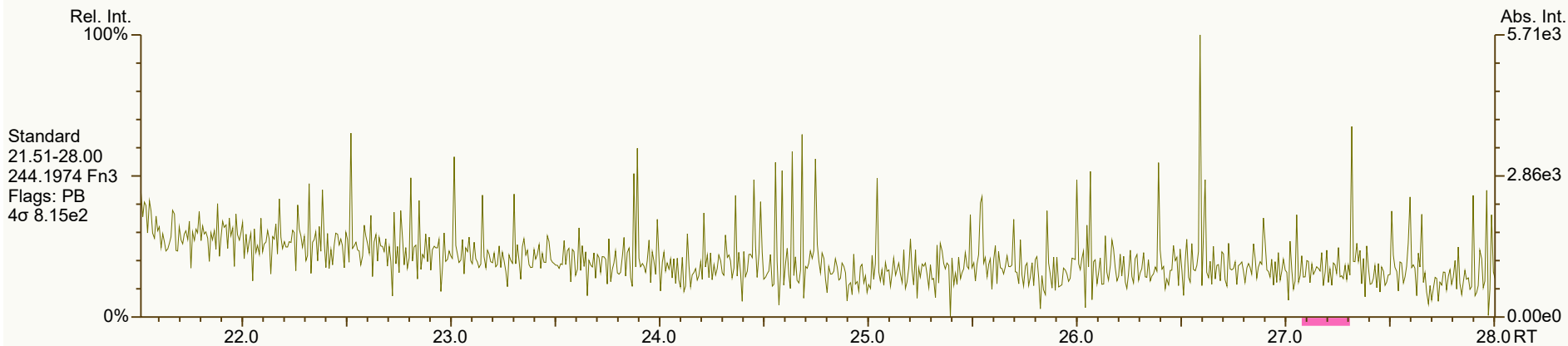
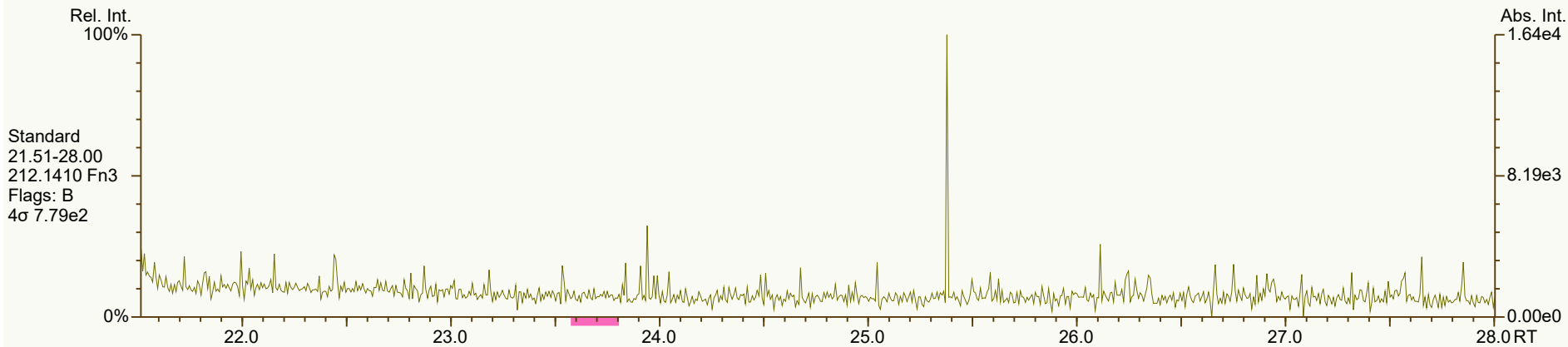
Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

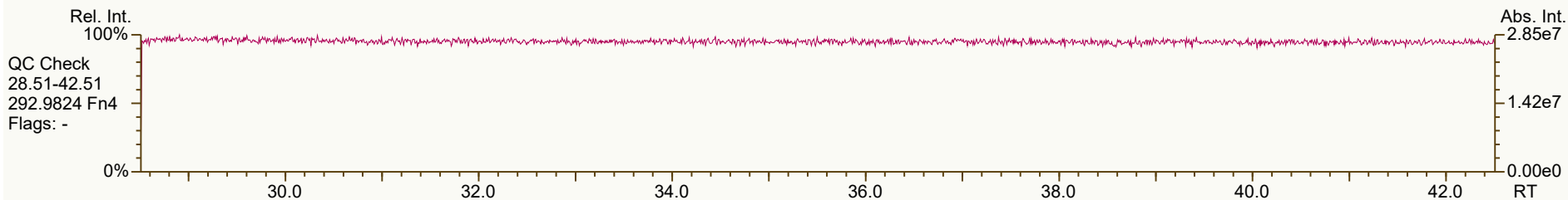
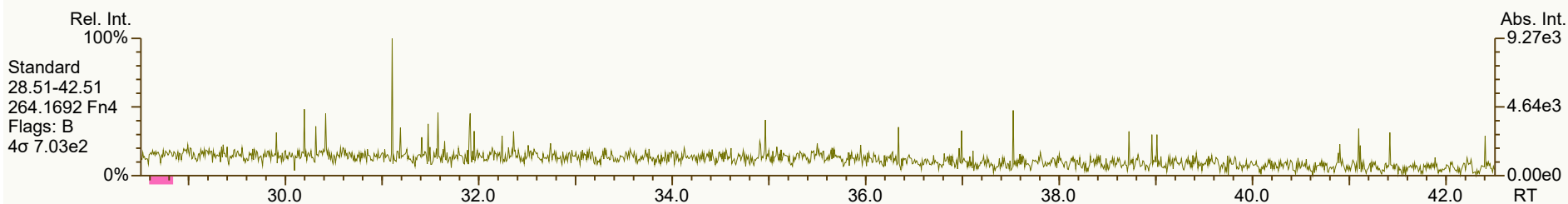
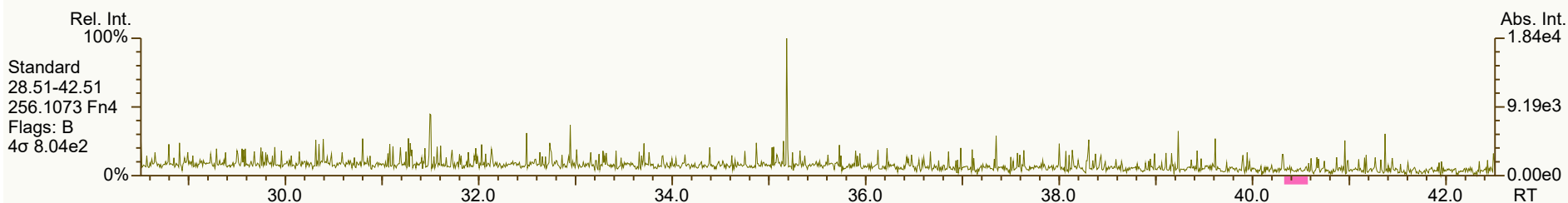
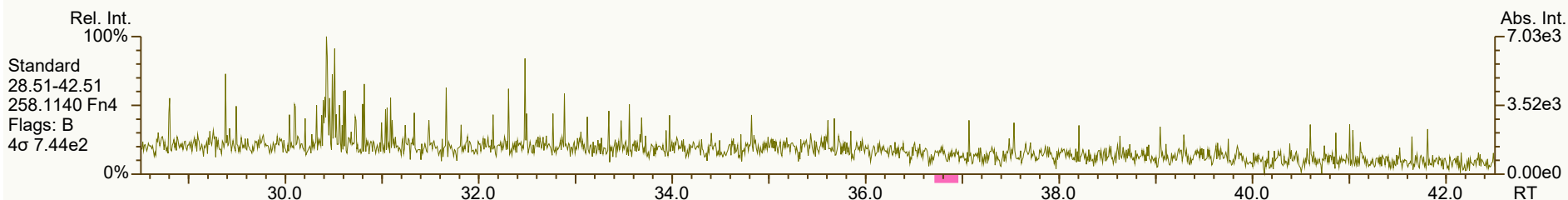
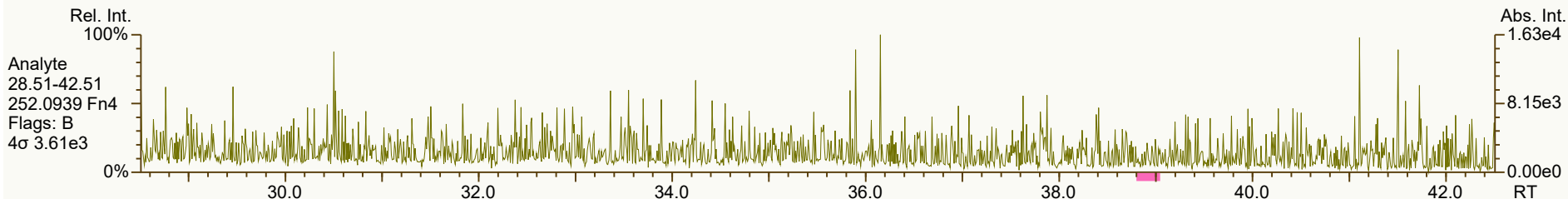
Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



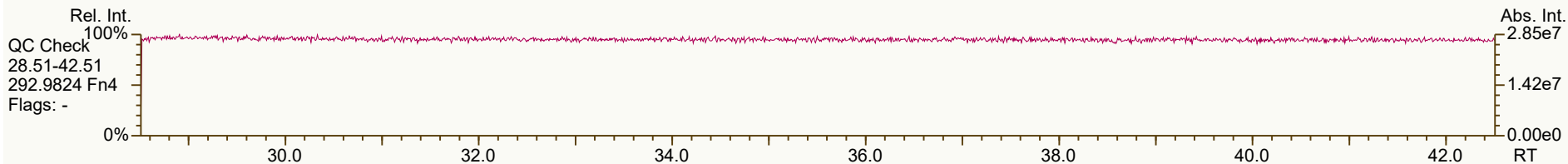
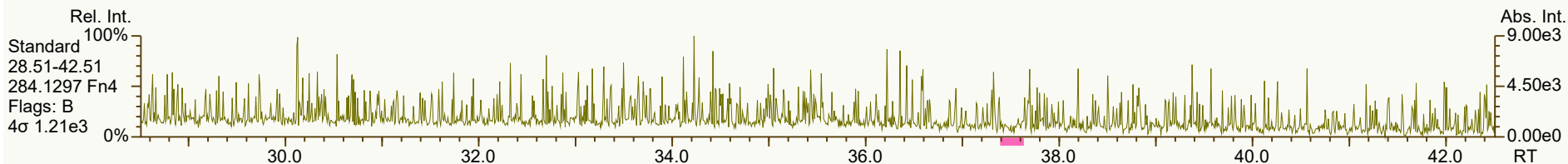
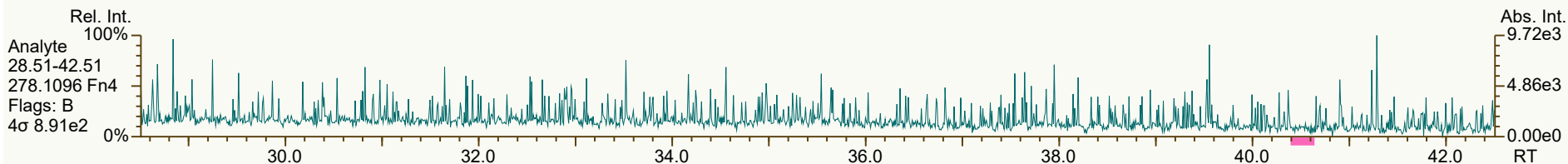
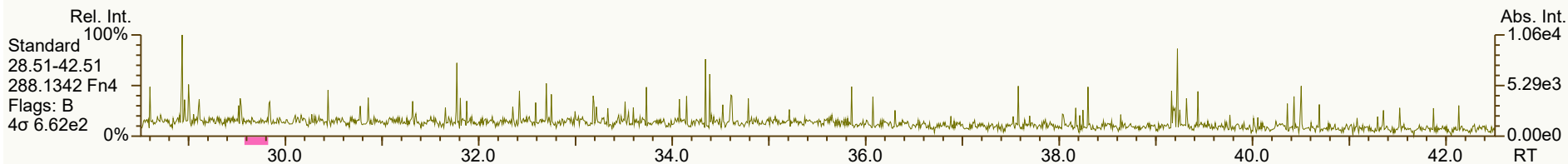
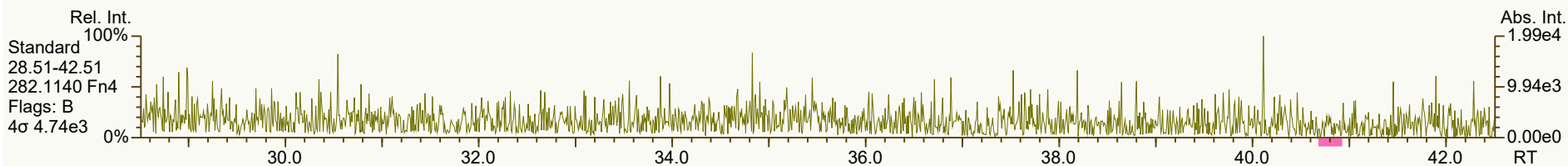
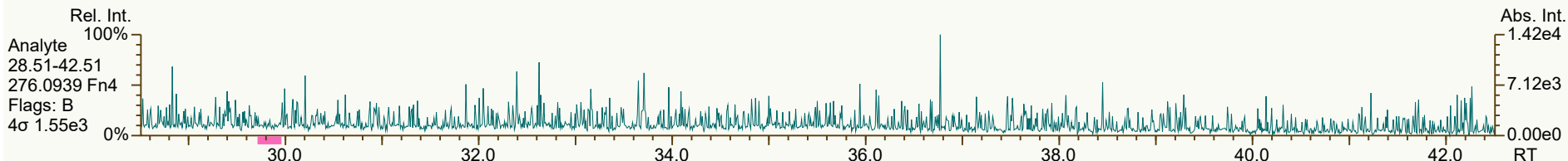
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\SB_240305_PAH_VC.utp_res, saved 06-Mar-2024 14:44 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2830, 9234, 6633, 7414 scc: 129-573

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:44 Printed: 06-Mar-2024 16:07 Page 8 of 9

SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 16:04:05
User: DTF Datafile: 240305V05



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\SB_240305_PAH_VC.utp_res, saved 06-Mar-2024 14:44 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2431, 4251, 3461, 4705, 0820 scc: 129-573

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:44 Printed: 06-Mar-2024 16:07 Page 9 of 9

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pah

GC Program: pah

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
0	240305V11	4	SB_240305_PAH_VD	1.00	Isooctane	DTF	472-191	05-Mar-2024	20:47:49
1	240305V12	14	CS3_240305_PAH_VB	1.00	ICV 27-76-3	DTF	396-070	05-Mar-2024	21:31:36

REVIEWED

Tyler_Fritz , 3/6/2024, 4:12:37 PM

REVIEWED

Carla_Lyon , 3/8/2024, 11:55:54 AM

Printed: 6-Mar-24 15:34

MM6 PAH ICAL 05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	9.53	8.12E+07	-	0.99	1.07	7.7%
2-Methylnaphthalene	12.27	5.68E+07	-	1.01	1.05	3.9%
Acenaphthylene	15.26	3.71E+07	-	0.92	0.86	-7.4%
Acenaphthene	15.84	3.68E+07	-	1.01	1.21	19.6%
Fluorene	17.46	3.80E+07	-	1.02	1.09	7.4%
Phenanthrene	20.22	6.64E+07	-	1.00	1.10	9.9%
Anthracene	20.36	5.90E+07	-	1.23	1.41	14.7%
Fluoranthene	23.37	5.10E+07	-	0.92	0.99	7.7%
Pyrene	23.95	5.48E+07	-	0.98	1.03	5.4%
Benzo(a)Anthracene	26.99	4.13E+07	-	1.00	1.12	11.2%
Chrysene	27.08	5.34E+07	-	1.01	1.10	8.8%
Benzo(b)Fluoranthene	30.38	2.64E+07	-	0.98	1.14	15.9%
Benzo(k)Fluoranthene	30.49	2.94E+07	-	0.92	0.89	-2.9%
Benzo(e)Pyrene	31.47	3.20E+07	-	0.98	1.12	15.2%
Benzo(a)Pyrene	31.68	2.74E+07	-	0.98	1.22	24.5%
Perylene	32.03	2.51E+07	-	1.06	1.19	12.0%
Indeno(1,2,3-cd)Pyrene	37.48	1.54E+07	-	0.92	1.04	13.0%
Dibenzo(a,h)Anthracene	37.66	1.73E+07	-	0.94	1.09	16.1%
Benzo(ghi)Perylene	39.18	2.42E+07	-	0.97	1.03	6.0%

ok - 70-130%
CL 08Mar24

HR-PAH QC Summary

SGS North America

Printed: 6-Mar-24 15:34

Lab ID: CS3_240305_PAH_VB ICV 27-76-3
 Acquired: 05 Mar 2024 21:31:36
 Datafile: 240305V12

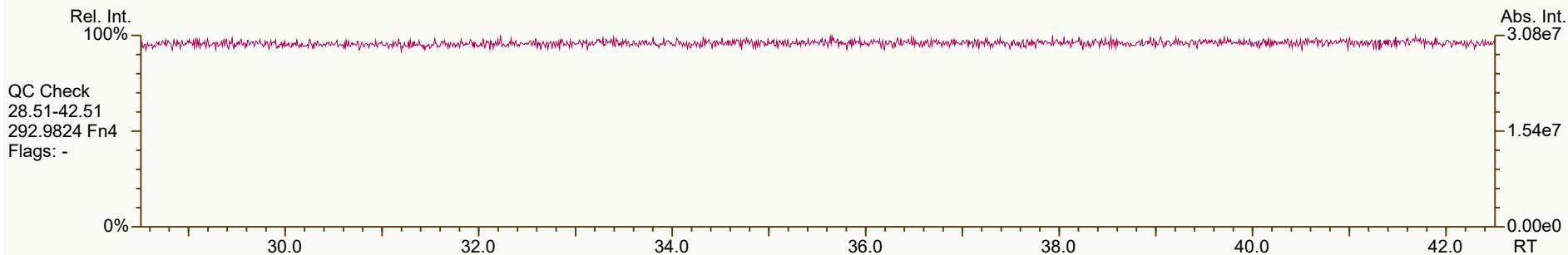
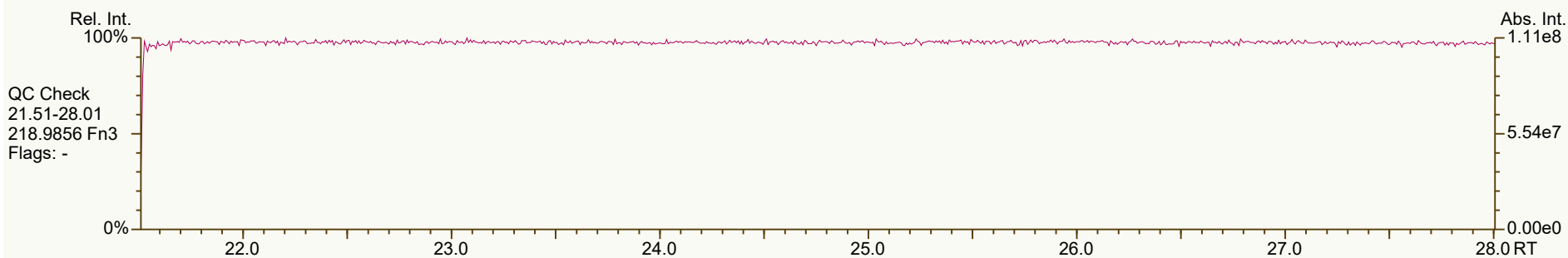
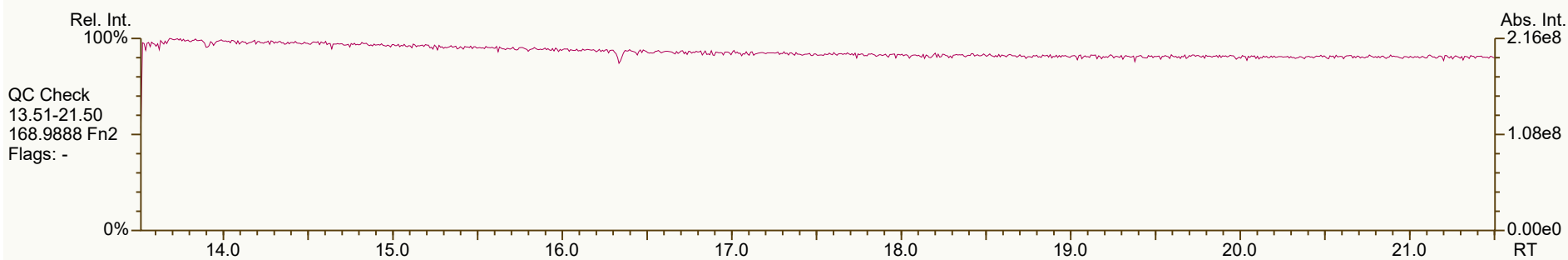
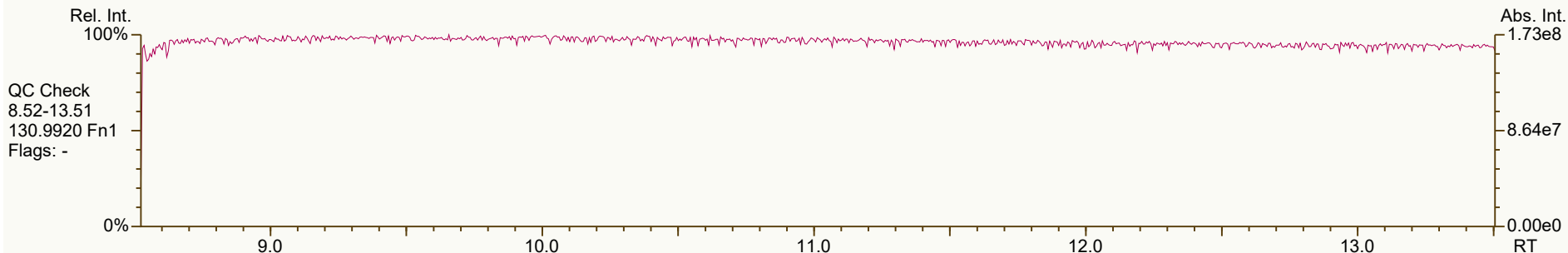
MM6_PAH_ICAL_05MAR2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	7.60E+07	-	1.35	1.31	-3.0%
13C6-2-Methylnaphthalene	12.26	5.42E+07	-	0.99	0.93	-5.9%
13C6-Acenaphthylene	15.26	4.33E+07	-	1.37	1.24	-9.5%
13C6-Acenaphthene	15.84	3.03E+07	-	0.91	0.86	-4.8%
13C6-Fluorene	17.45	3.48E+07	-	1.09	0.99	-9.2%
13C6-Phenanthrene	20.21	6.06E+07	-	1.91	1.73	-9.4%
13C6-Anthracene	20.35	4.17E+07	-	1.35	1.19	-11.5%
13C6-Fluoranthene	23.37	5.17E+07	-	1.23	1.14	-7.4%
13C3-Pyrene	23.94	5.30E+07	-	1.23	1.16	-5.7%
13C6-Benzo(a)Anthracene	26.99	3.70E+07	-	0.86	0.81	-5.9%
13C6-Chrysene	27.08	4.87E+07	-	1.19	1.07	-10.0%
13C6-Benzo(b)Fluoranthene	30.38	2.32E+07	-	1.28	1.17	-8.7%
13C6-Benzo(k)Fluoranthene	30.49	3.30E+07	-	1.82	1.66	-8.8%
13C4-Benzo(e)Pyrene	31.46	2.85E+07	-	1.56	1.43	-8.2%
13C4-Benzo(a)Pyrene	31.68	2.24E+07	-	1.23	1.13	-8.0%
d12-Perylene	31.91	2.12E+07	-	1.13	1.07	-5.3%
13C6-Indeno(1,2,3-cd)Pyrene	37.46	1.49E+07	-	0.85	0.75	-12.1%
13C6-Dibenzo(ah)Anthracene	37.65	1.59E+07	-	0.94	0.80	-14.9%
13C12-Benzo(ghi)Perylene	39.16	2.35E+07	-	1.33	1.18	-10.9%
AS-Anthracene not spiked	0.00	0.00E+00	-	1.17	0.00	-100.0%
SS-Fluorene	0.00	0.00E+00	-	1.00	0.00	-100.0%
SS-Torphenyl	0.00	0.00E+00	-	0.79	0.00	-100.0%
JS-Methylnaphthalene	12.14	5.82E+07	-	-	-	-
JS-Acenaphthene	15.73	3.50E+07	-	-	-	-
JS-Pyrene	23.90	4.55E+07	-	-	-	-
JS-Benzo(a)Pyrene	31.57	1.99E+07	-	-	-	-

SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



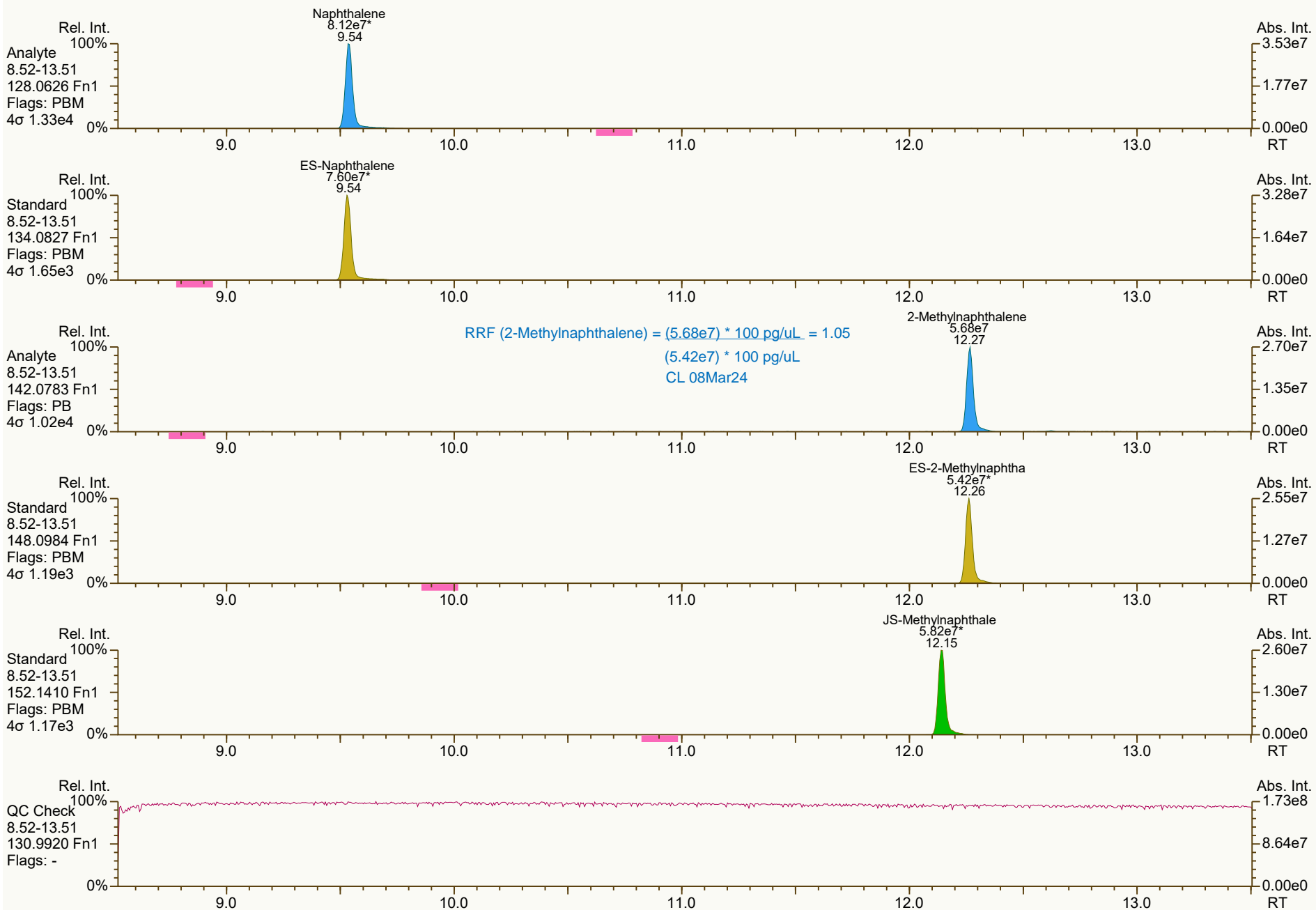
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\CS3_240305_PAH_VB.utp_res, saved 06-Mar-2024 15:30 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 396-070

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 15:34 Page 1 of 9

SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\CS3_240305_PAH_VB.utp_res, saved 06-Mar-2024 15:30 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1894, 2431, 2604, 5898, 5608 scc: 396-070

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:57 (DTF) Printed: 06-Mar-2024 15:34 Page 2 of 9

SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\CS3_240305_PAH_VB.utp_res, saved 06-Mar-2024 15:30 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5843, 2316, 1733, 8848, 6154 scc: 396-070

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:57 (DTF) Printed: 06-Mar-2024 15:34 Page 3 of 9

SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\CS3_240305_PAH_VB.utp_res, saved 06-Mar-2024 15:30 (DTF)

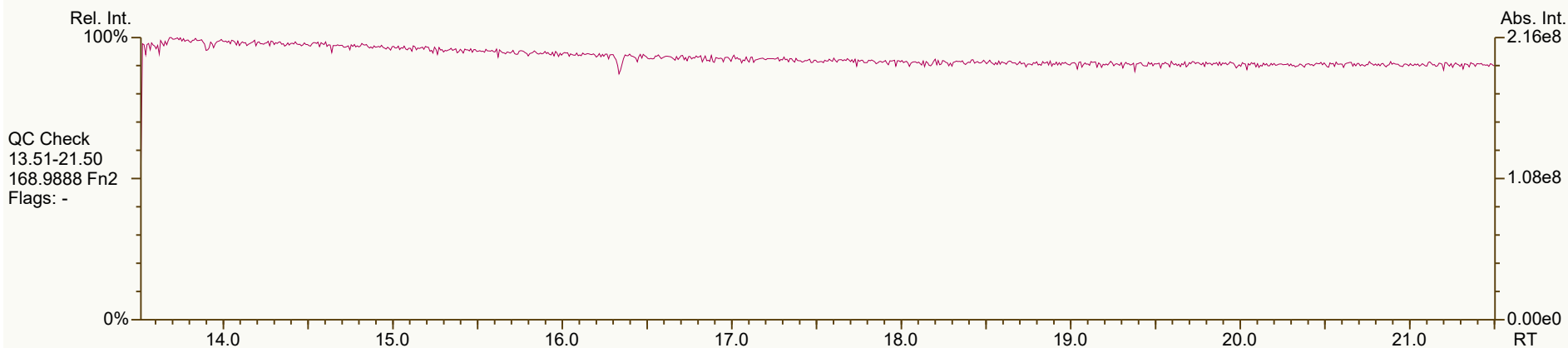
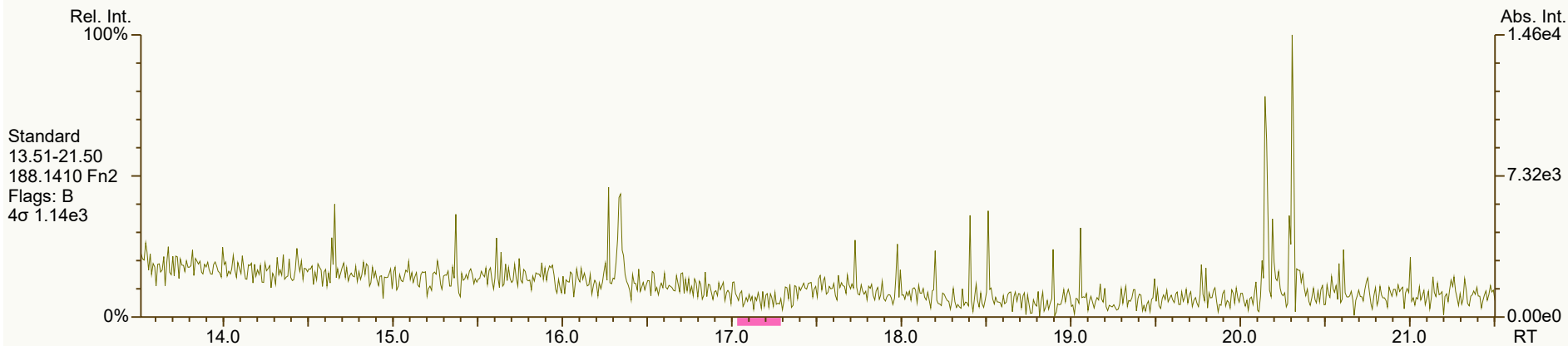
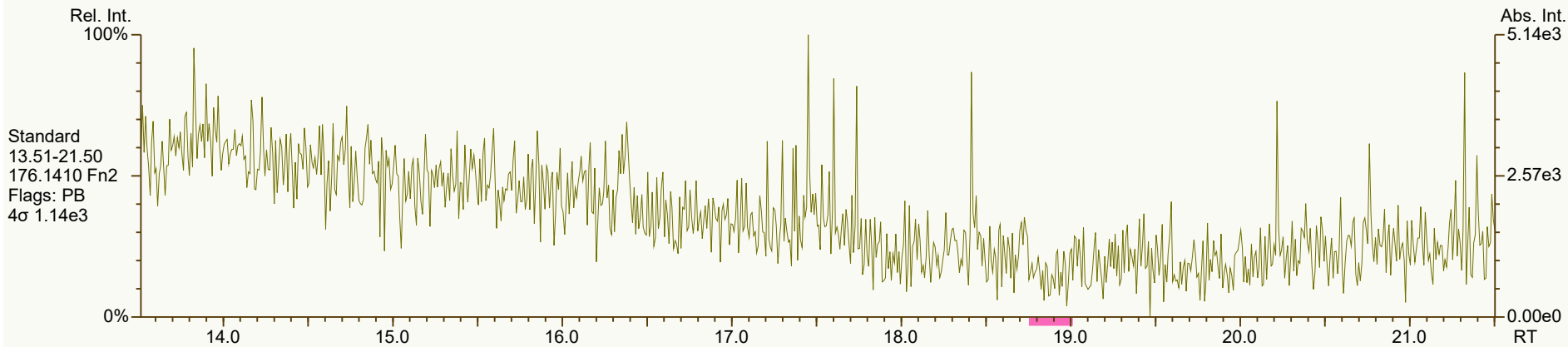
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9709, 2343, 4683, 7966 scc: 396-070

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:58 (DTF) Printed: 06-Mar-2024 15:34 Page 4 of 9

SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

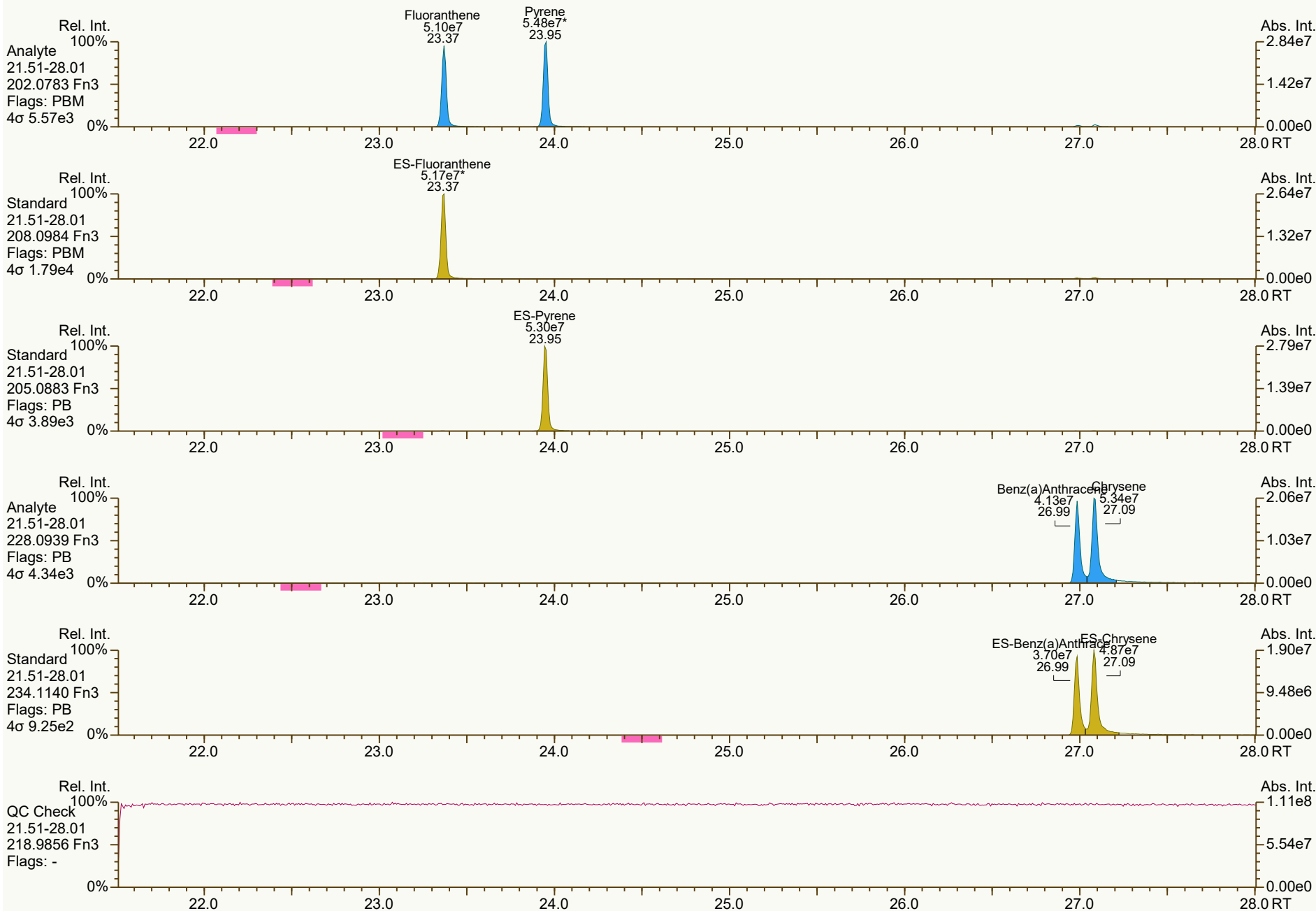
Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



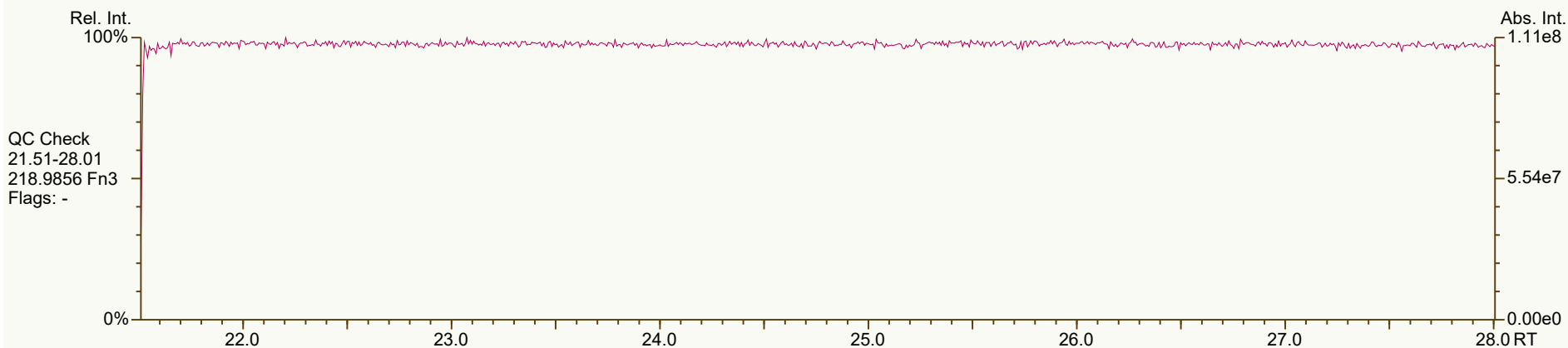
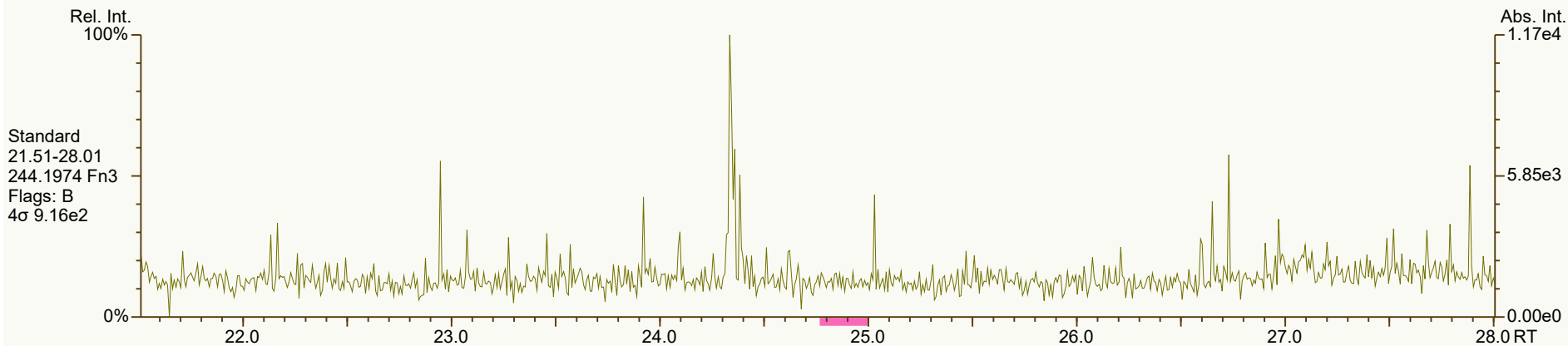
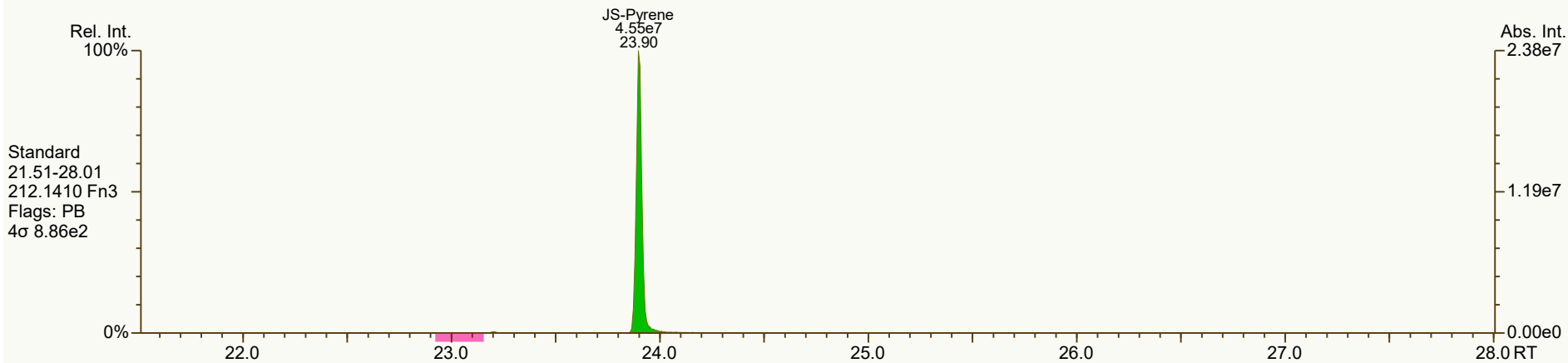
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\CS3_240305_PAH_VB.utp_res, saved 06-Mar-2024 15:30 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6214, 2848, 0859, 5512, 9146 scc: 396-070

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:58 (DTF) Printed: 06-Mar-2024 15:34 Page 6 of 9

SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

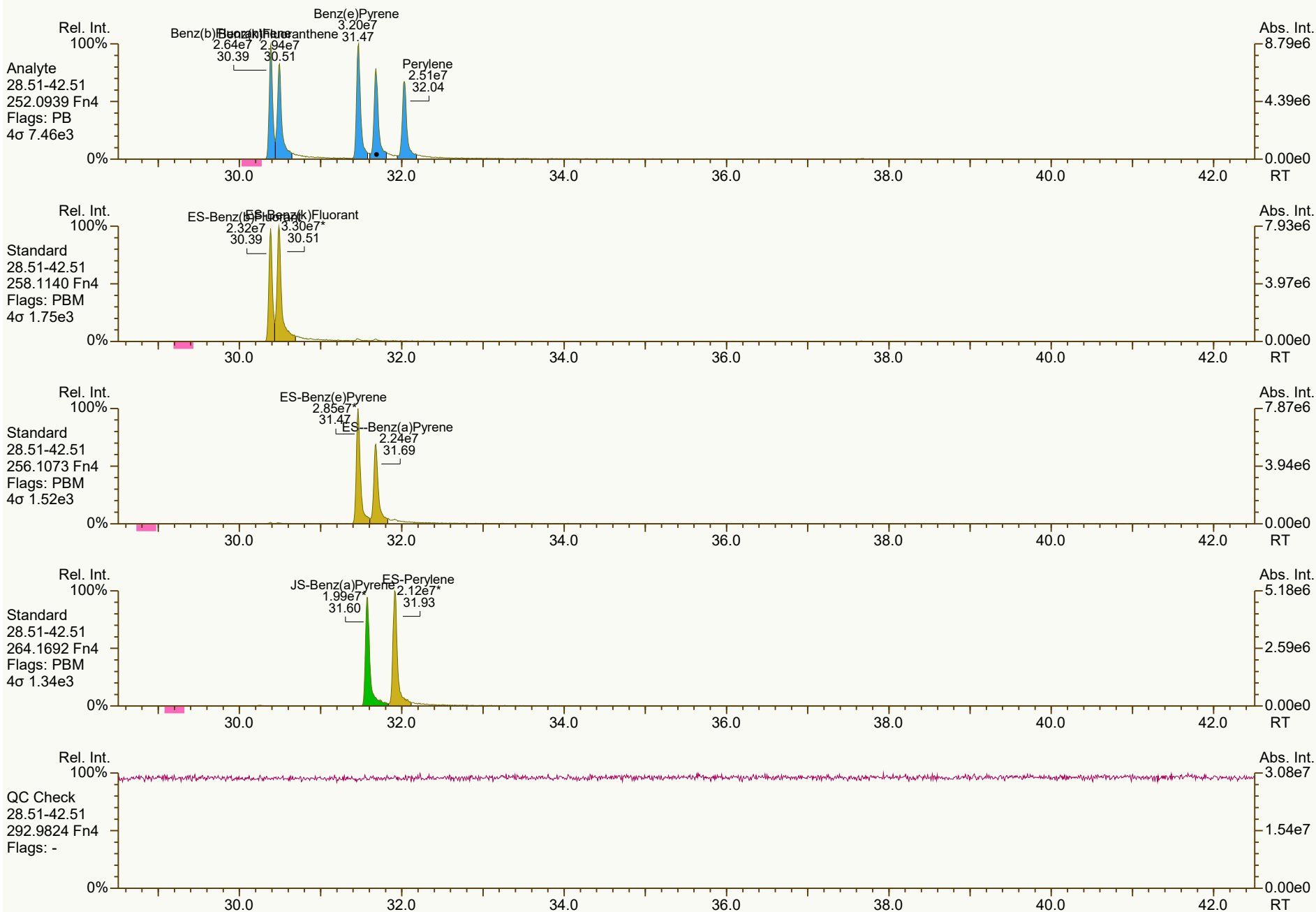
Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\CS3_240305_PAH_VB.utp_res, saved 06-Mar-2024 15:30 (DTF)

SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4431, 5476, 1379, 1249 scc: 396-070

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:57 (DTF) Printed: 06-Mar-2024 15:34 Page 8 of 9

SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: ICV 27-76-3
VSIR EI+ Expt: pah GC: pah Vial: 14

Acq: 05-Mar-2024 21:31:36
User: DTF Datafile: 240305V12



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\CS3_240305_PAH_VB.utp_res, saved 06-Mar-2024 15:30 (DTF)

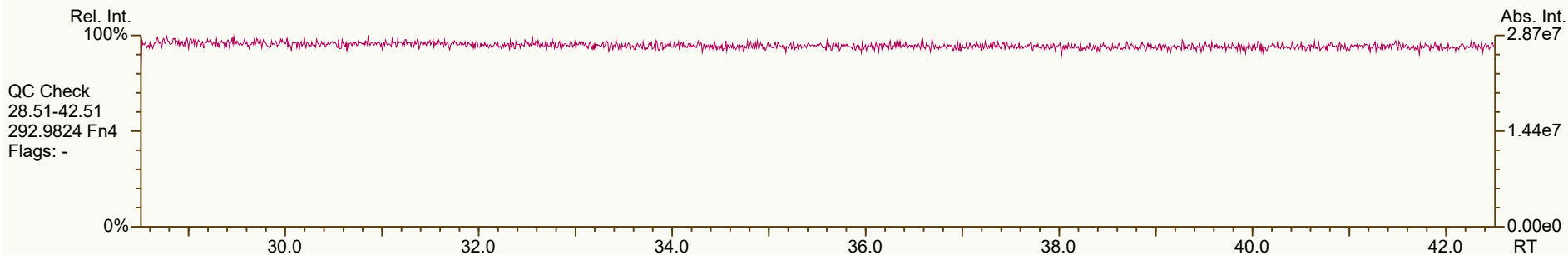
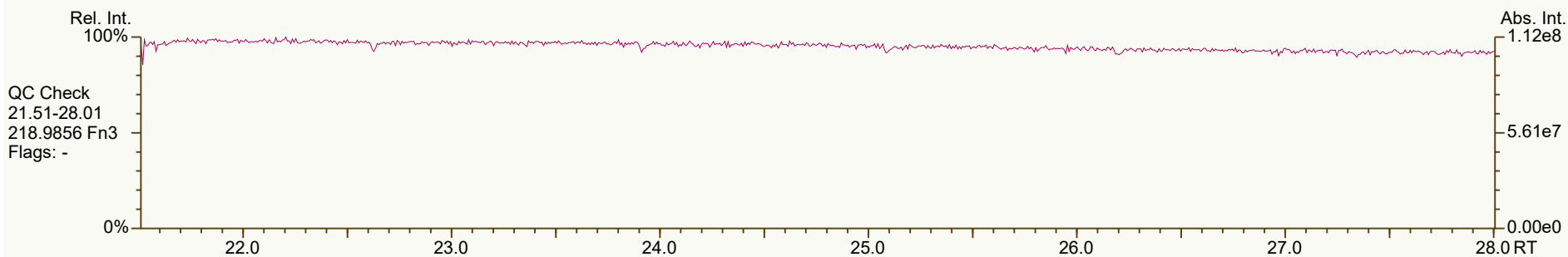
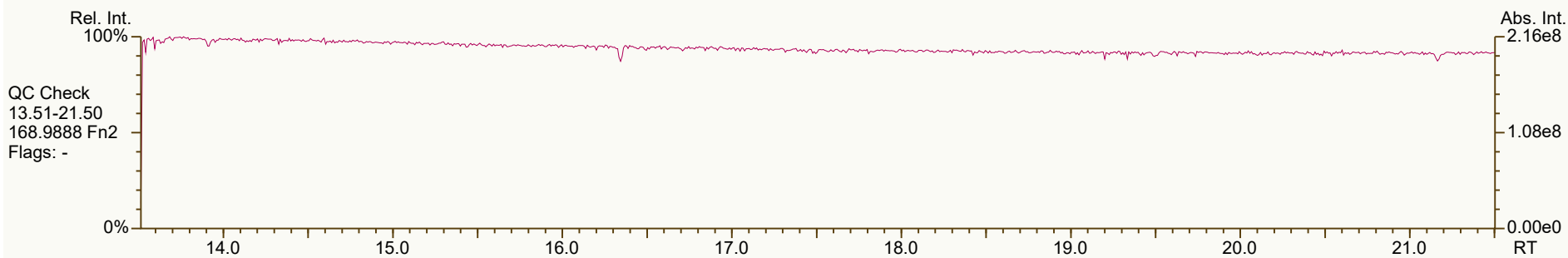
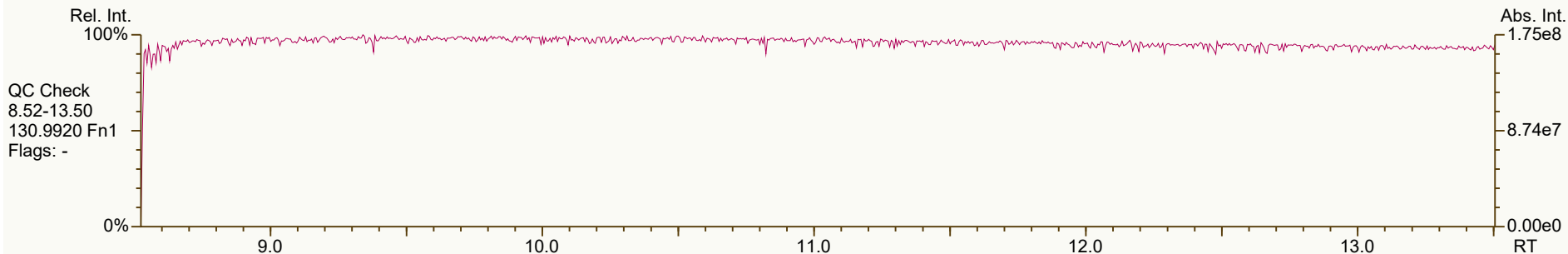
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2321, 0350, 1922, 1253, 0520 scc: 396-070

Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:58 (DTF) Printed: 06-Mar-2024 15:34 Page 9 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



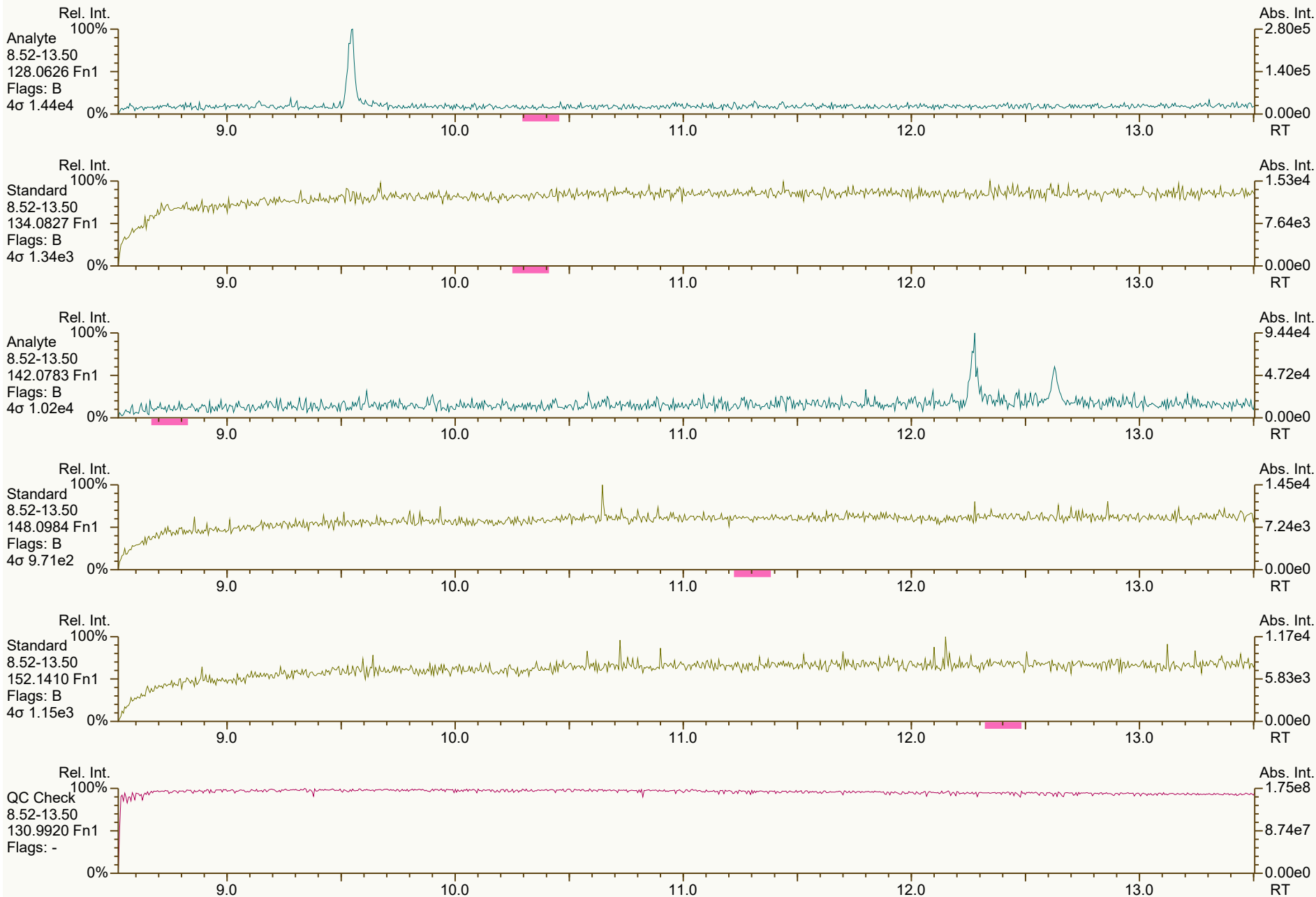
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\SB_240305_PAH_VD.utp_res, saved 06-Mar-2024 14:57 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 472-191

Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 15:34 Page 1 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\SB_240305_PAH_VD.utp_res, saved 06-Mar-2024 14:57 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7972, 7893, 6244, 9563, 7073 scc: 472-191

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 2 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



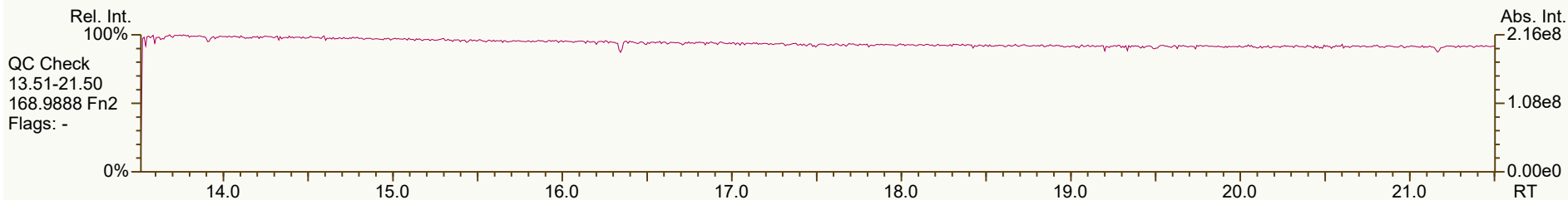
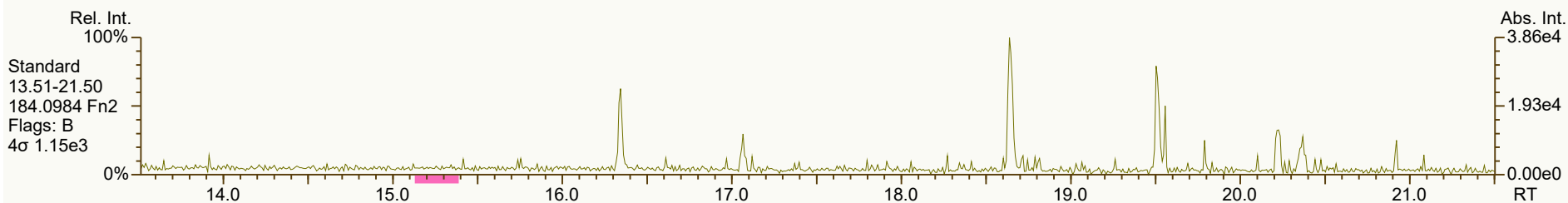
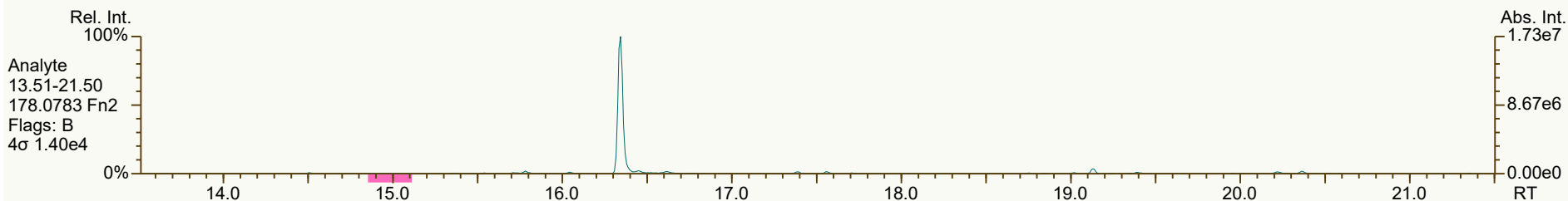
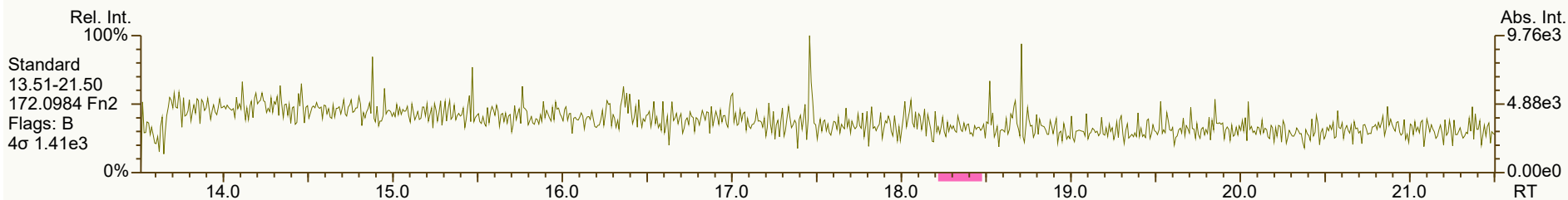
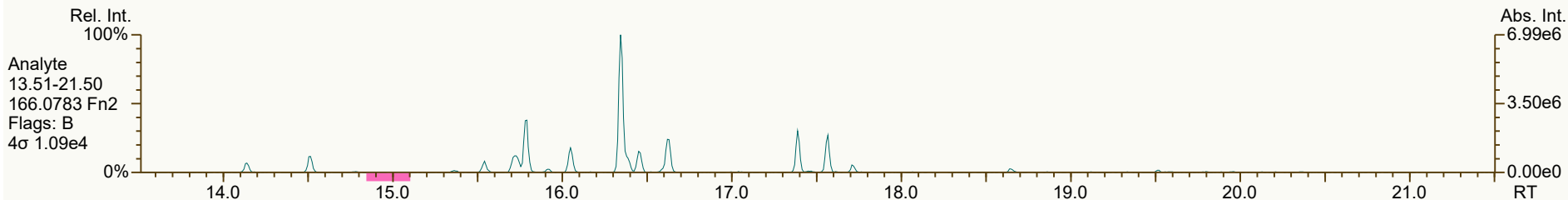
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\SB_240305_PAH_VD.utp_res, saved 06-Mar-2024 14:57 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4233, 2086, 1152, 4670, 9092 scc: 472-191

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 3 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



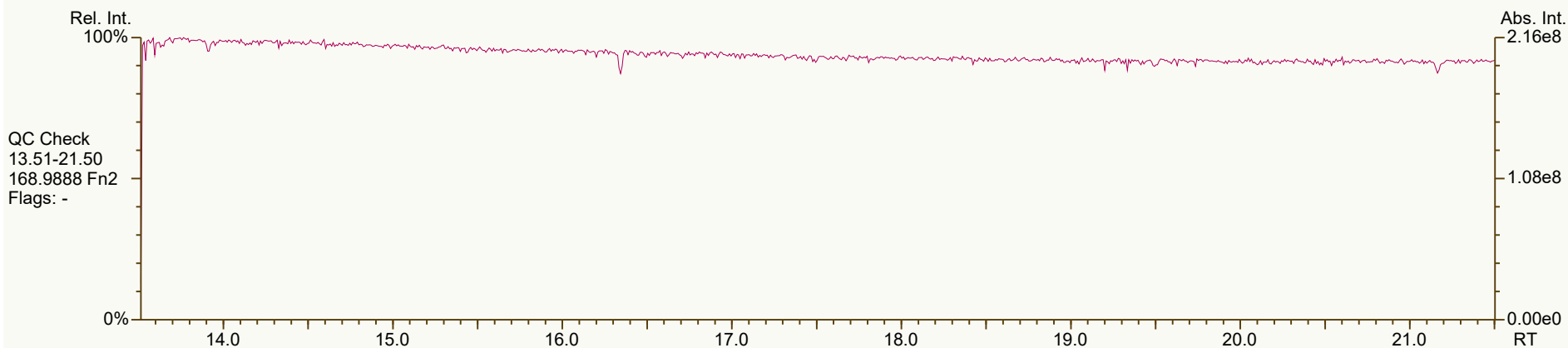
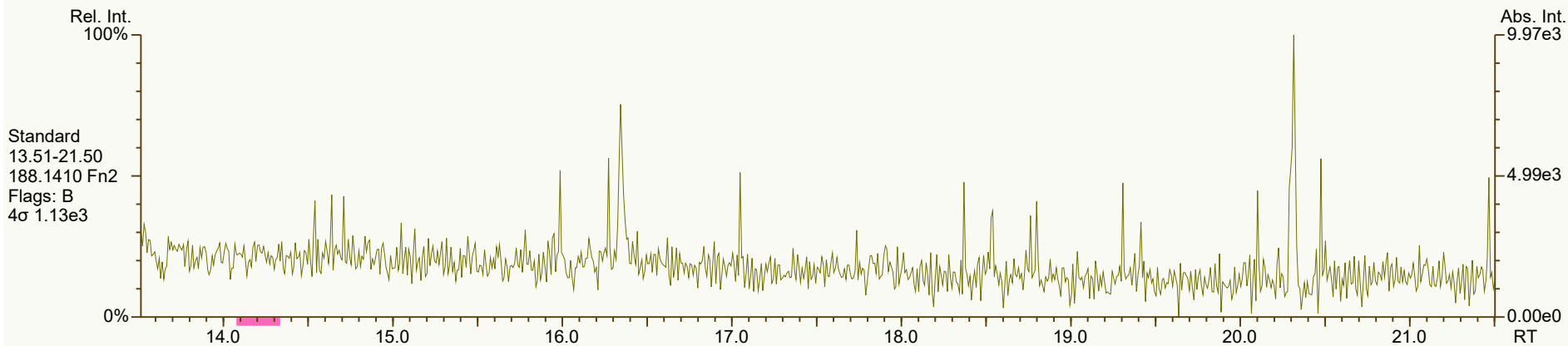
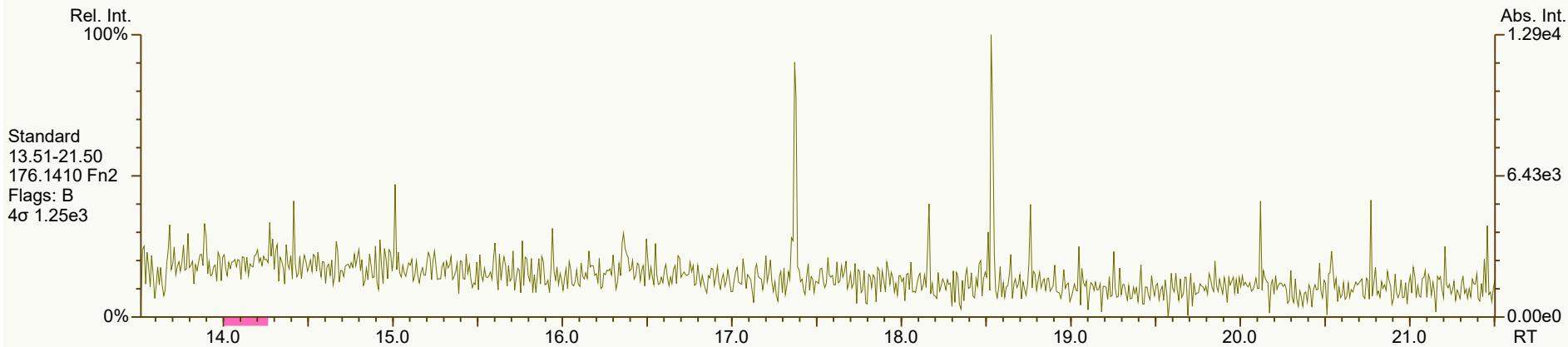
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\SB_240305_PAH_VD.utp_res, saved 06-Mar-2024 14:57 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0949, 4855, 0553, 9630 scc: 472-191

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 4 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

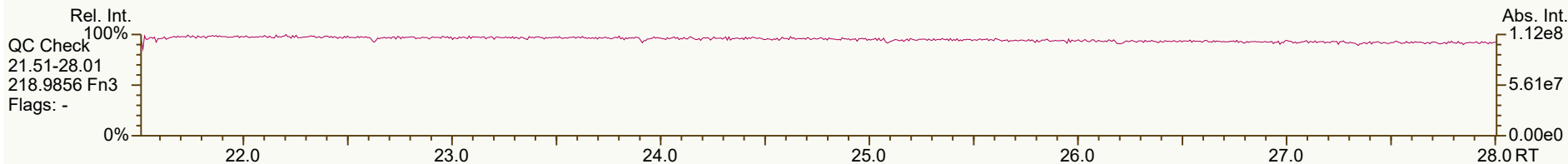
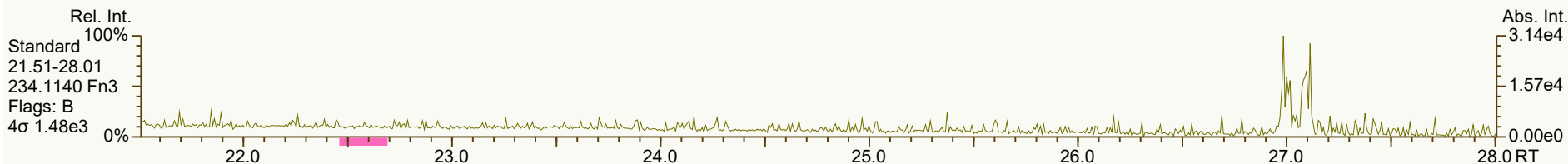
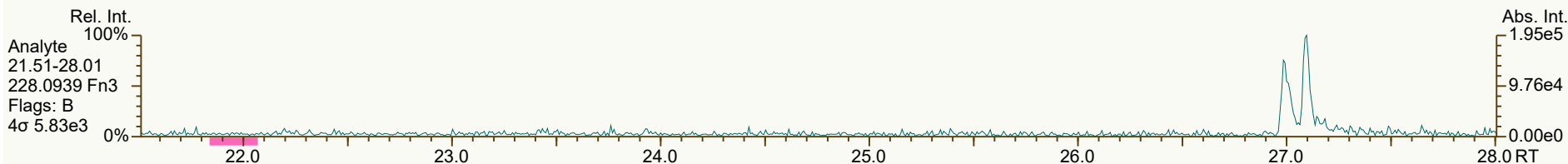
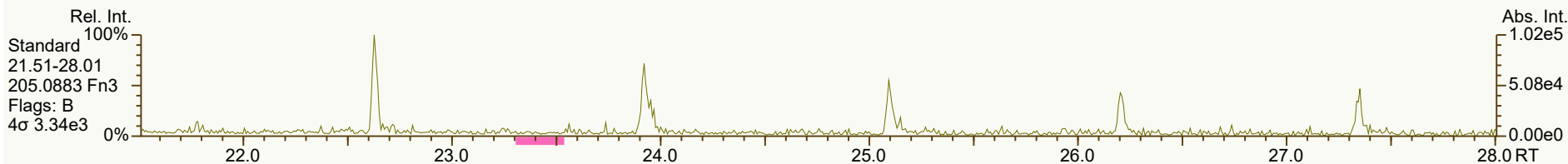
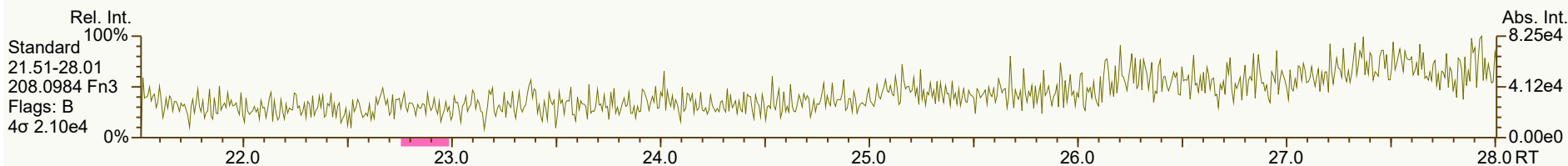
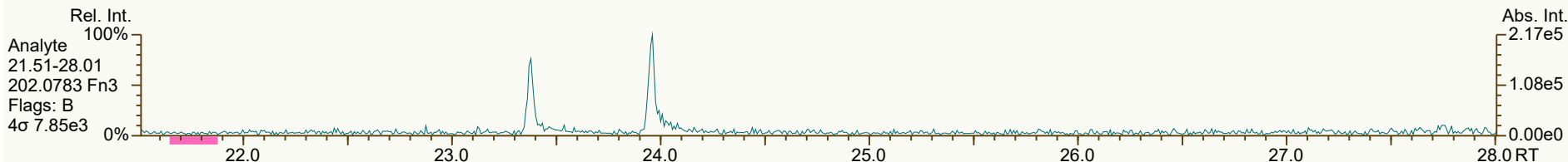
Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



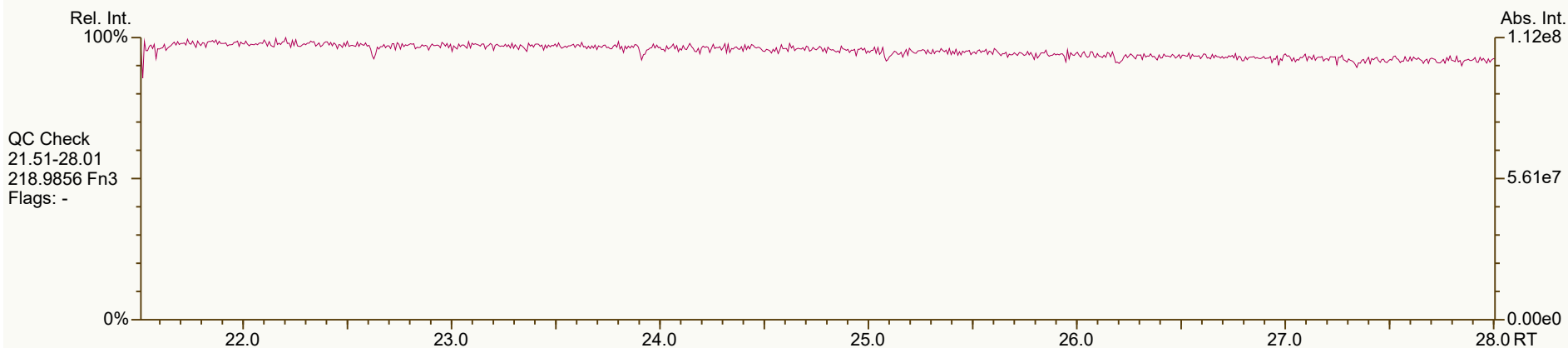
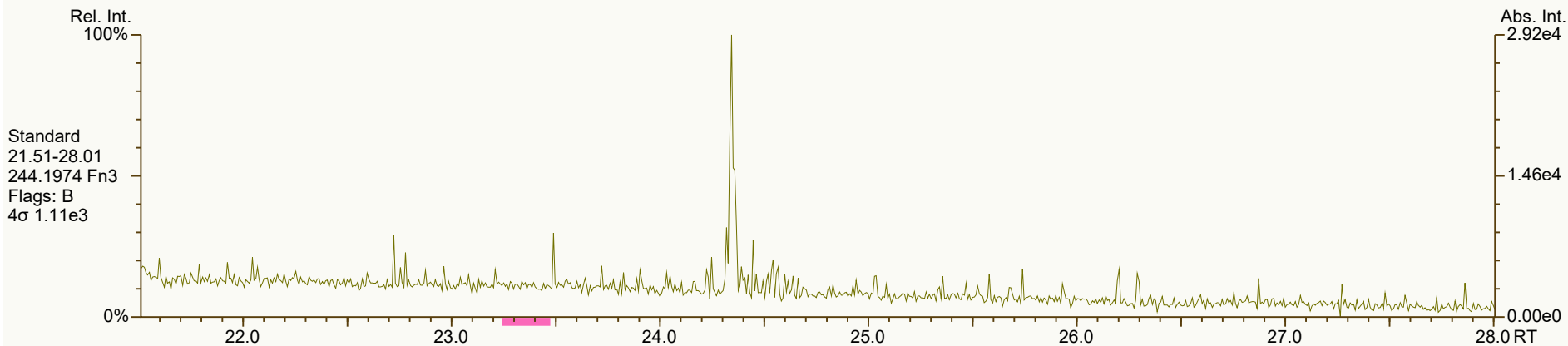
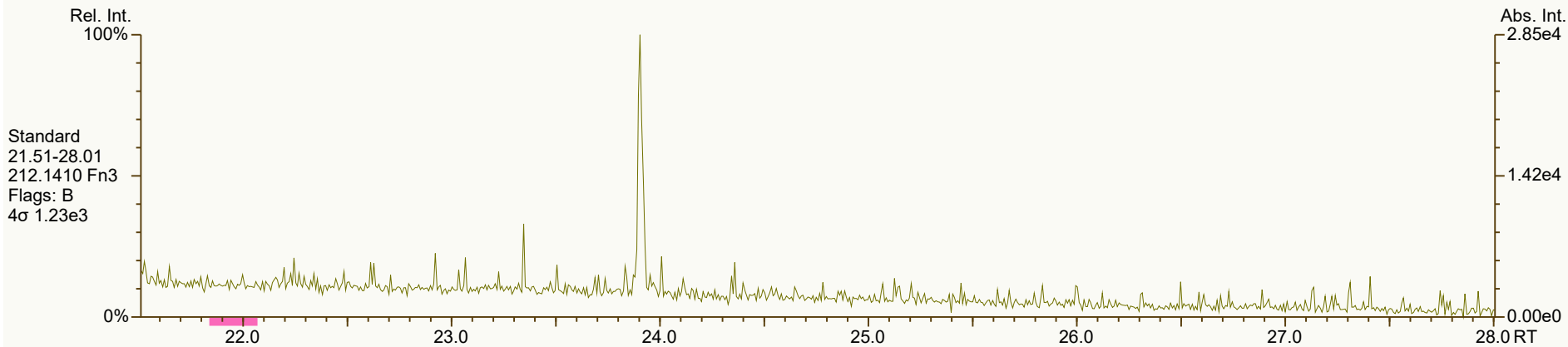
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\SB_240305_PAH_VD.utp_res, saved 06-Mar-2024 14:57 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3386, 0817, 4272, 1829, 5348 scc: 472-191

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 6 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

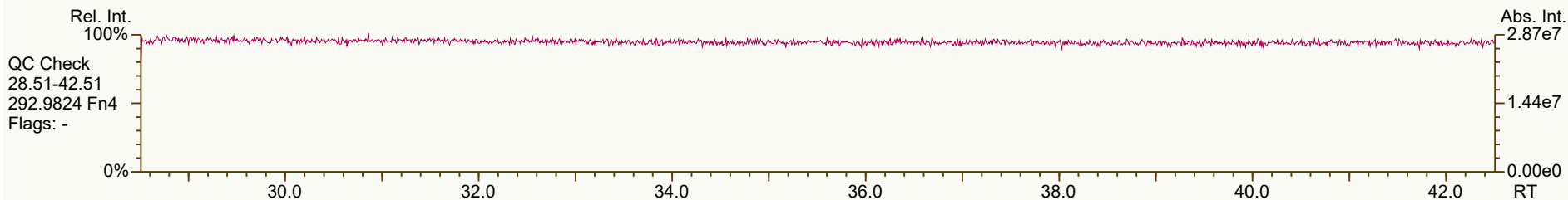
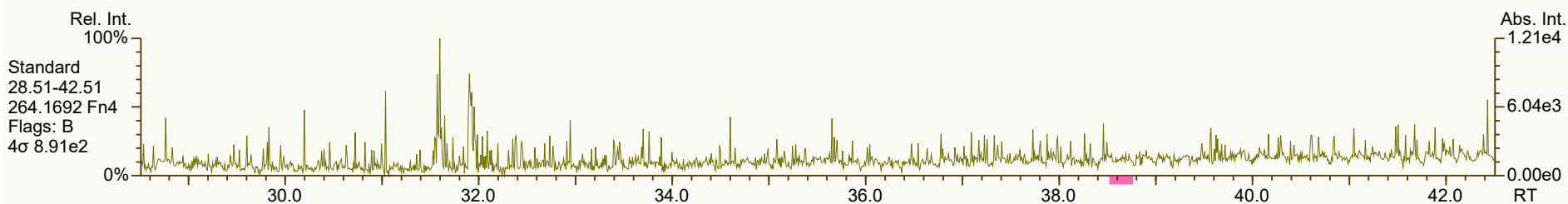
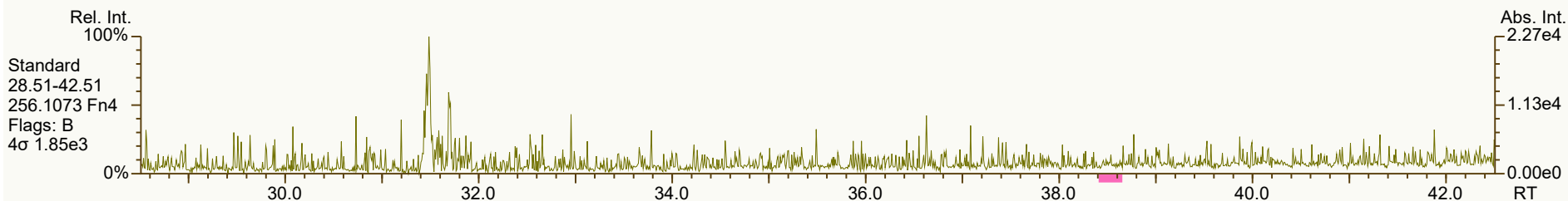
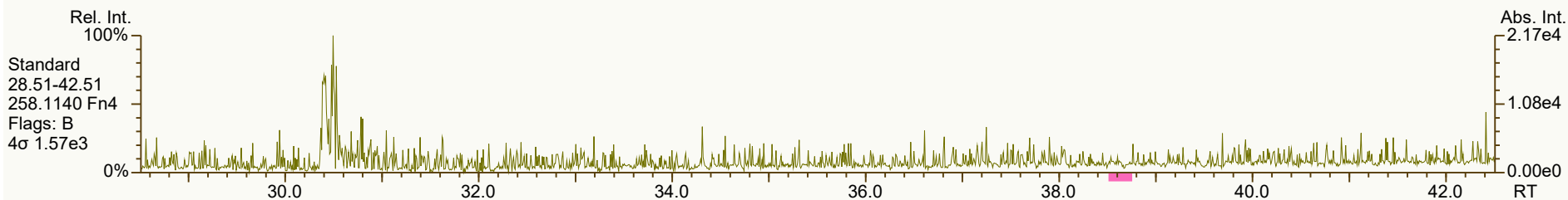
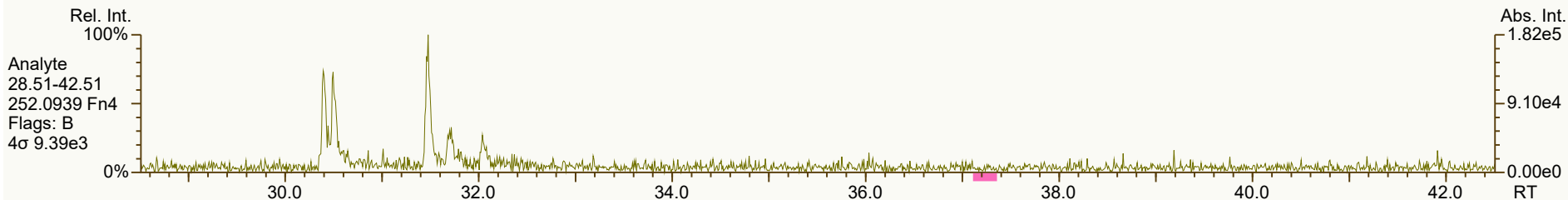
Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



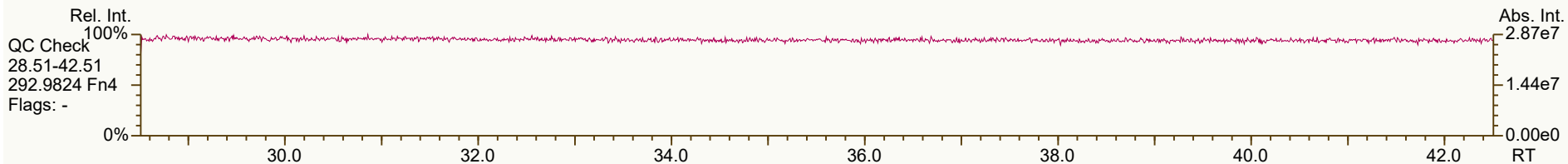
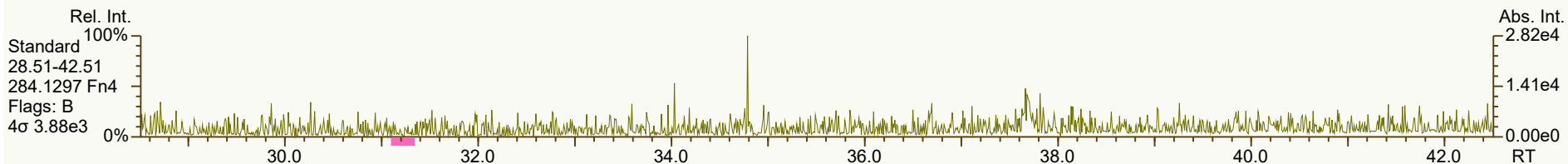
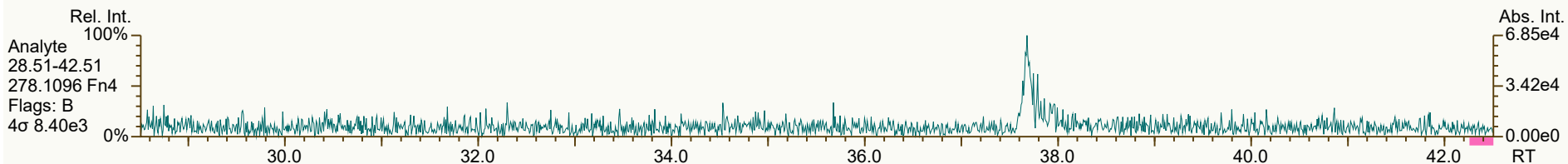
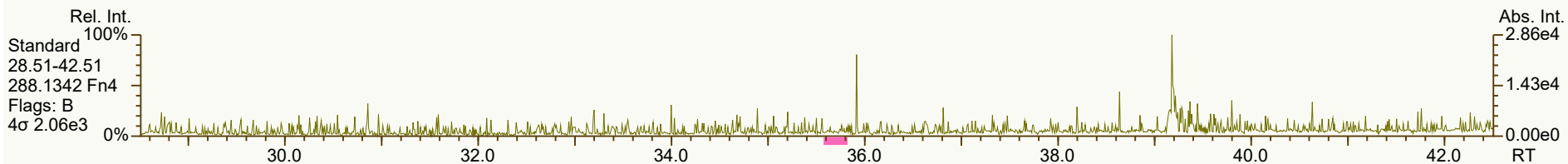
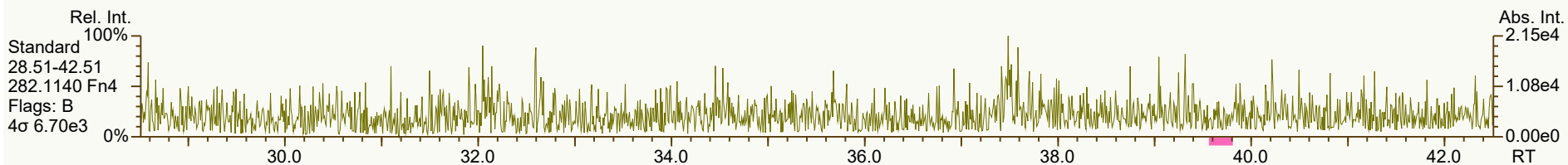
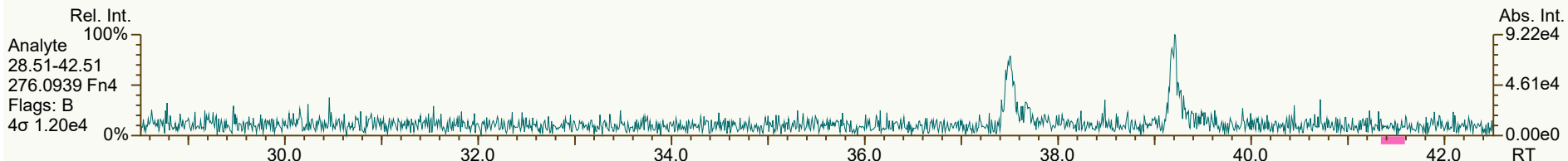
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\SB_240305_PAH_VD.utp_res, saved 06-Mar-2024 14:57 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1517, 1235, 1003, 3404 scc: 472-191

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 8 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



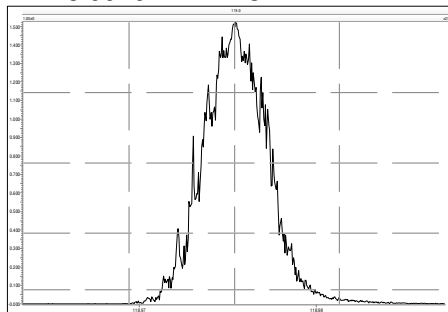
Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\ICV\SB_240305_PAH_VD.utp_res, saved 06-Mar-2024 14:57 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4828, 4082, 3962, 7945, 3322 scc: 472-191

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 9 of 9

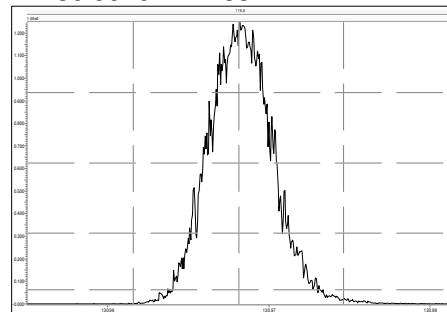
File: Experiment: pah.exp Reference: pah.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, March 05, 2024 10:06:34 Eastern Standard Time

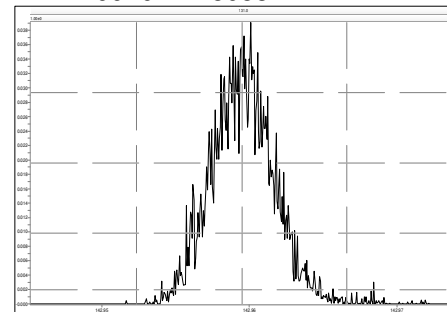
M 118.9920 R 14123



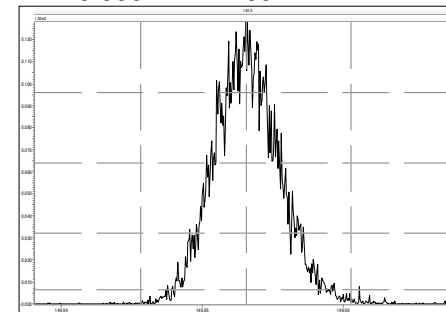
M 130.9920 R 14531



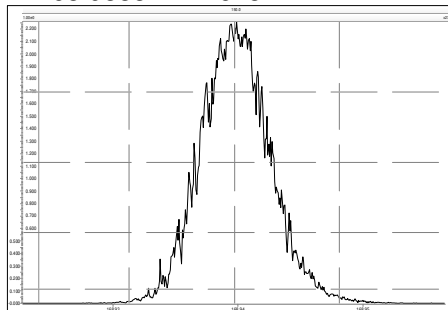
M 142.9920 R 15058



M 149.9904 R 14709



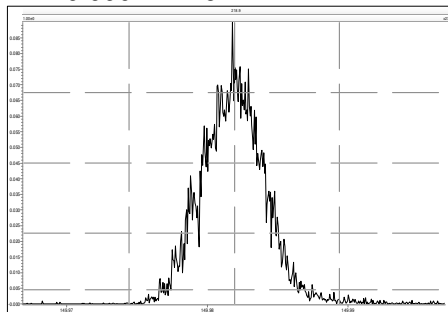
M 168.9888 R 12628



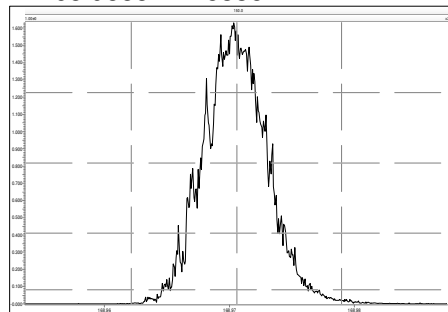
File: Experiment: pah.exp Reference: pah.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, March 05, 2024 10:06:53 Eastern Standard Time

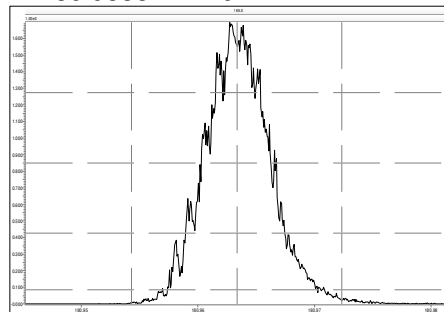
M 149.9904 R 16777



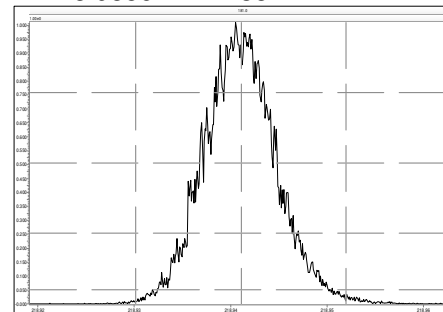
M 168.9888 R 15335



M 180.9888 R 14044



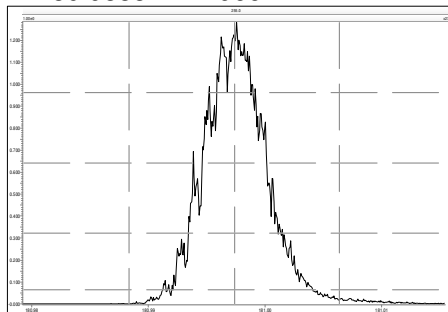
M 218.9856 R 12138



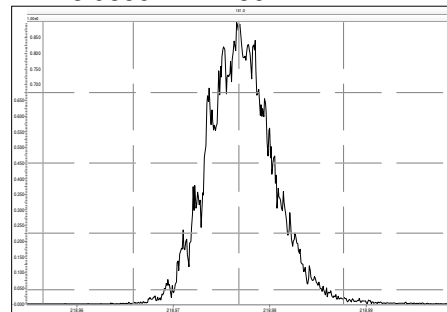
File: Experiment: pah.exp Reference: pah.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, March 05, 2024 10:07:10 Eastern Standard Time

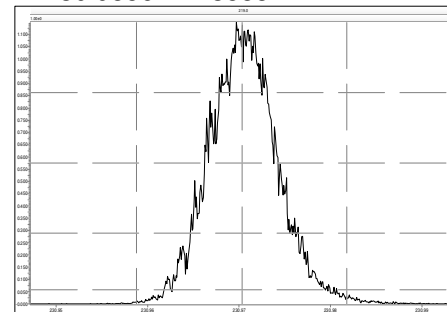
M 180.9888 R 14966



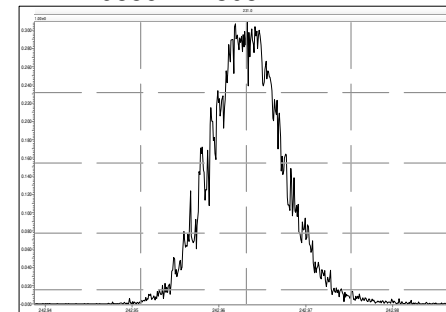
M 218.9856 R 14286



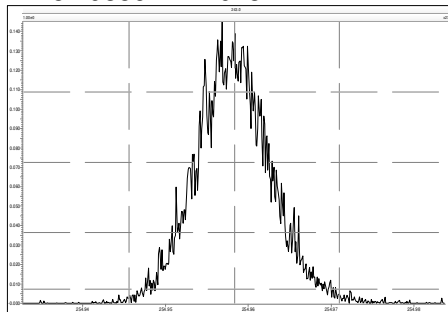
M 230.9856 R 13588



M 242.9856 R 13087



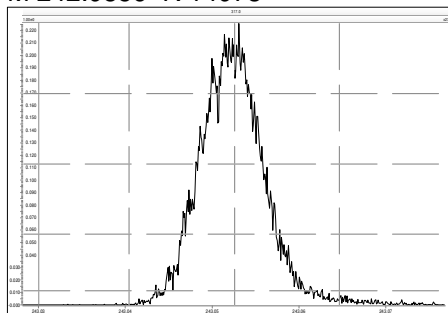
M 254.9856 R 12018



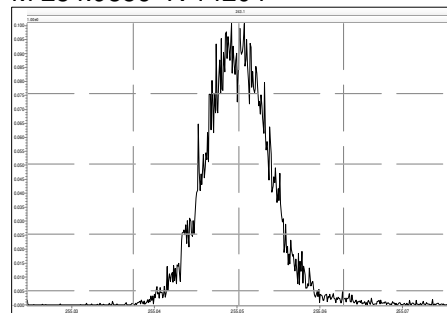
File: Experiment: pah.exp Reference: pah.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, March 05, 2024 10:07:26 Eastern Standard Time

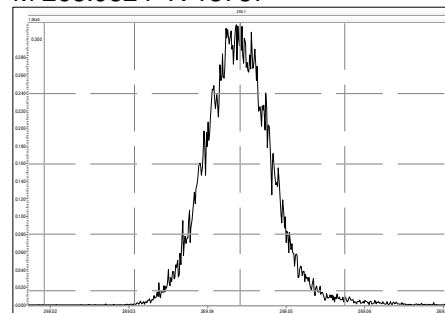
M 242.9856 R 14973



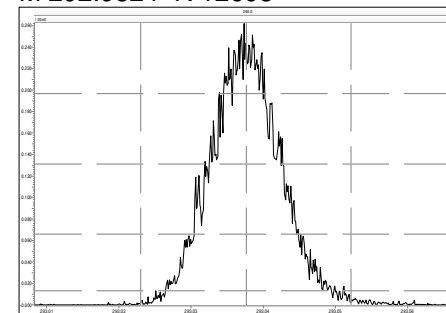
M 254.9856 R 14204



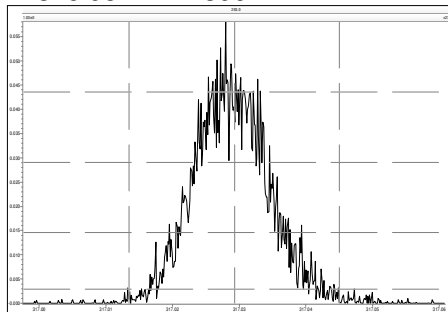
M 268.9824 R 13737



M 292.9824 R 12693

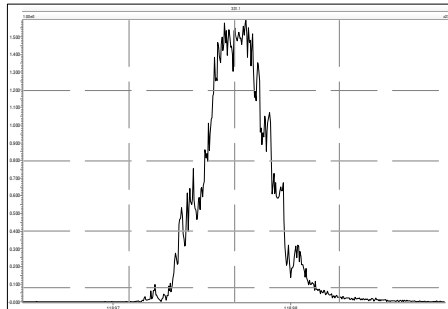


M 316.9824 R 13964

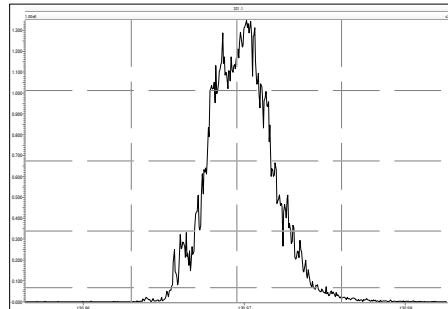


Printed: Tuesday, March 05, 2024 20:47:48 Eastern Standard Time

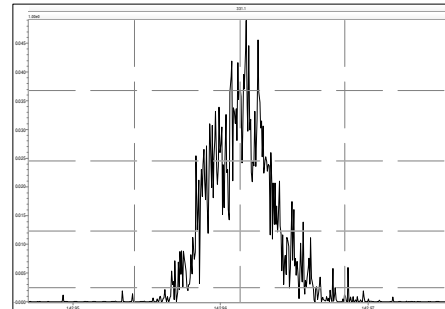
M 118.9920 R 15017



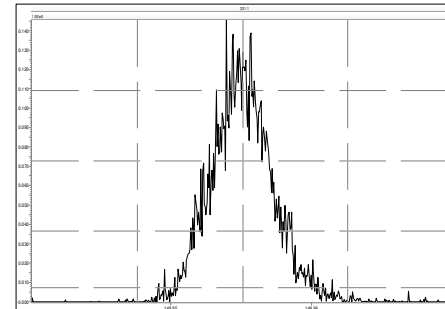
M 130.9920 R 14705



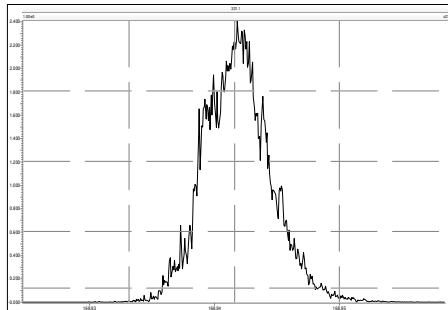
M 142.9920 R 17606



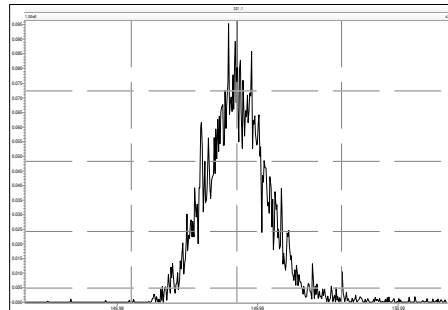
M 149.9904 R 15627



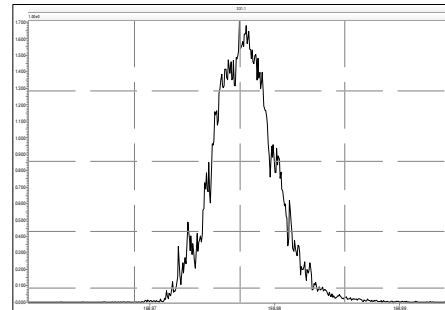
M 168.9888 R 13298



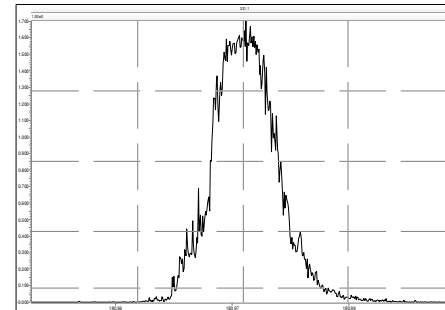
M 149.9904 R 16672



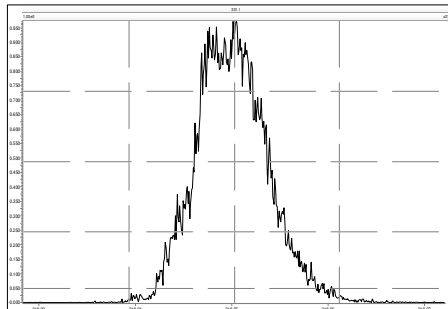
M 168.9888 R 15677



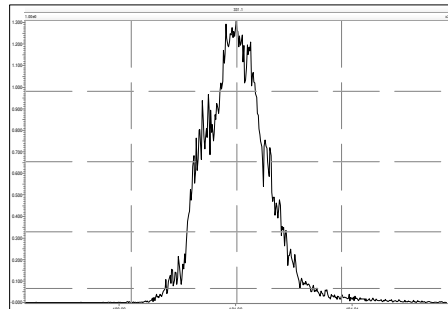
M 180.9888 R 14244



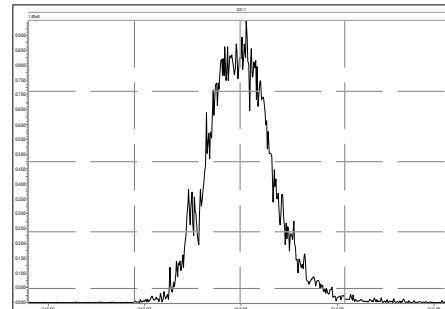
M 218.9856 R 13123



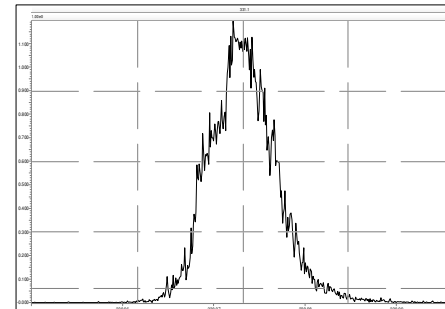
M 180.9888 R 14881



M 218.9856 R 14436

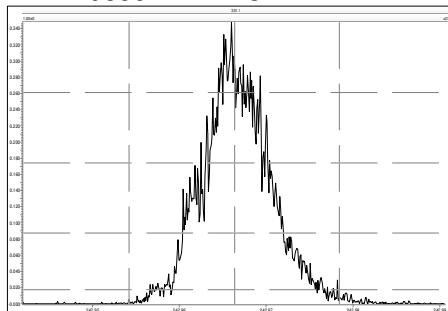


M 230.9856 R 14135

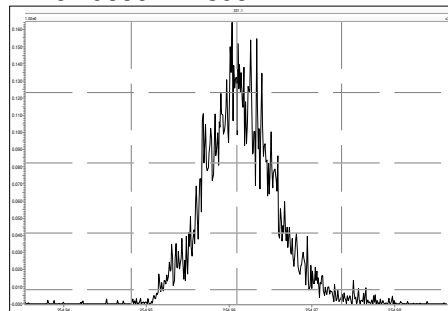


Printed: Tuesday, March 05, 2024 20:47:48 Eastern Standard Time

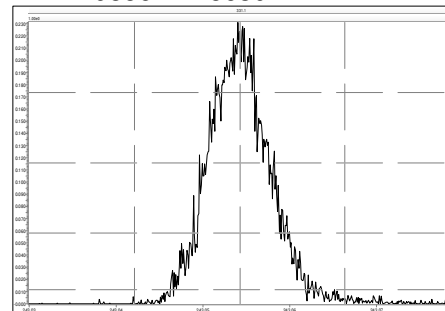
M 242.9856 R 14173



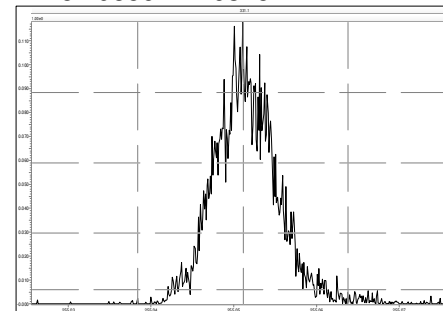
M 254.9856 R 13951



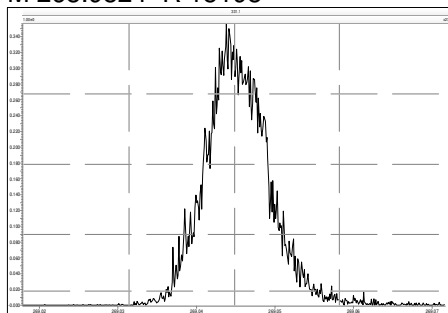
M 242.9856 R 15630



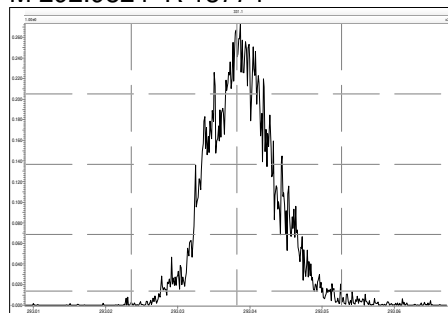
M 254.9856 R 16315



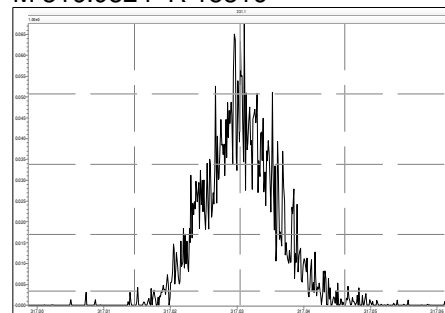
M 268.9824 R 15198



M 292.9824 R 13774

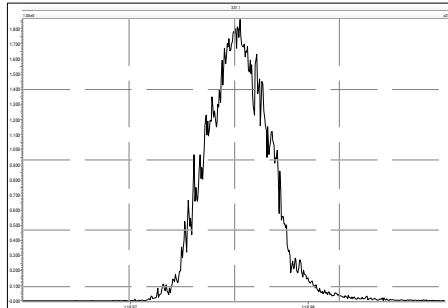


M 316.9824 R 15316

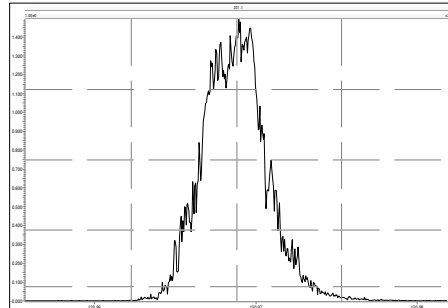


Printed: Tuesday, March 05, 2024 22:22:16 Eastern Standard Time

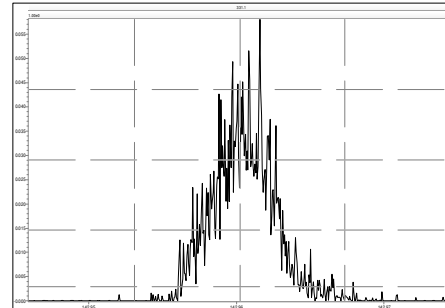
M 118.9920 R 15576



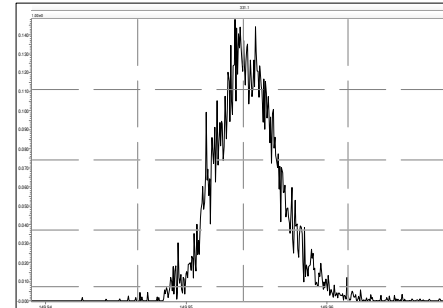
M 130.9920 R 14931



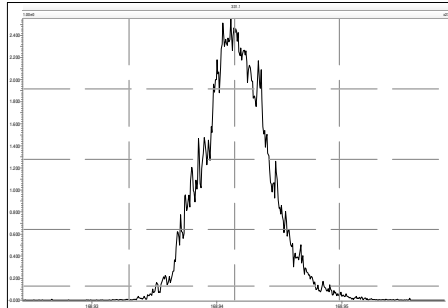
M 142.9920 R 18398



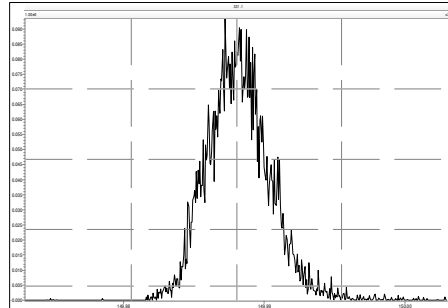
M 149.9904 R 15302



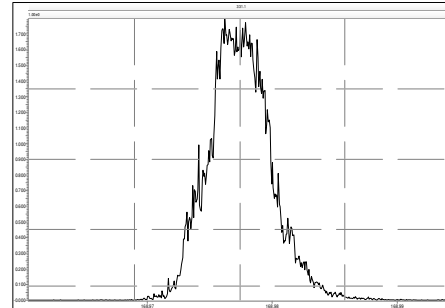
M 168.9888 R 13586



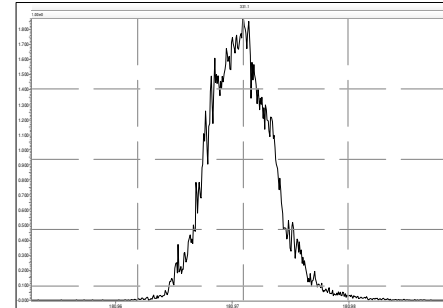
M 149.9904 R 16374



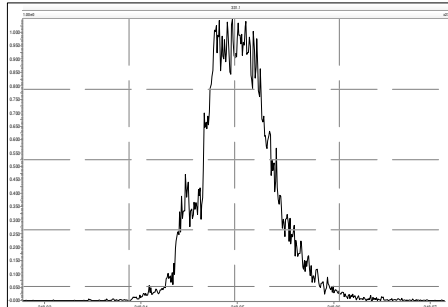
M 168.9888 R 14750



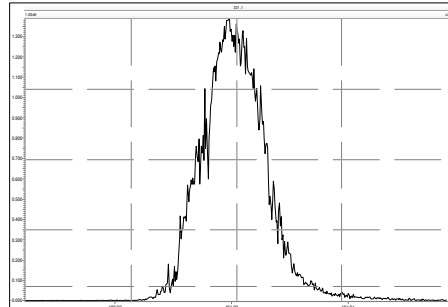
M 180.9888 R 13966



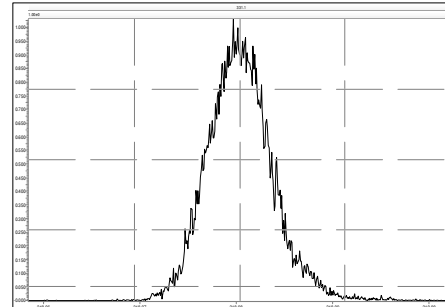
M 218.9856 R 13229



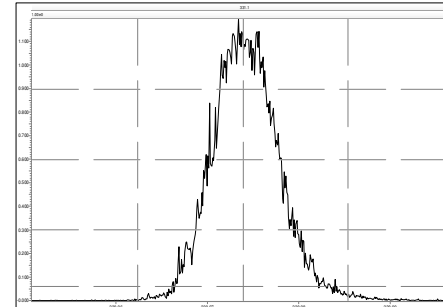
M 180.9888 R 14748



M 218.9856 R 13815

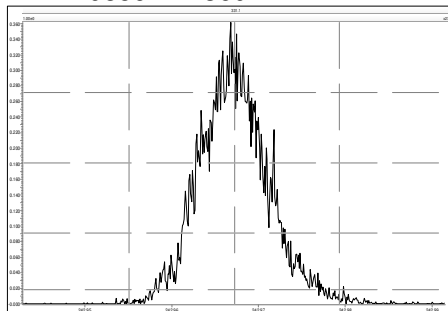


M 230.9856 R 14215

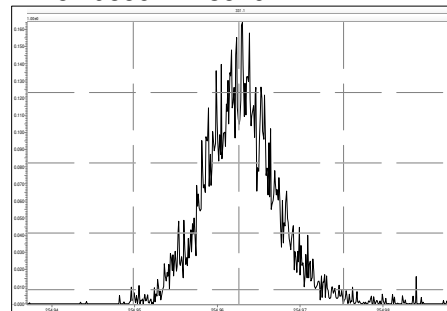


Printed: Tuesday, March 05, 2024 22:22:16 Eastern Standard Time

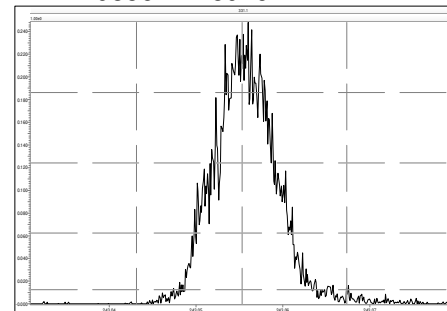
M 242.9856 R 13602



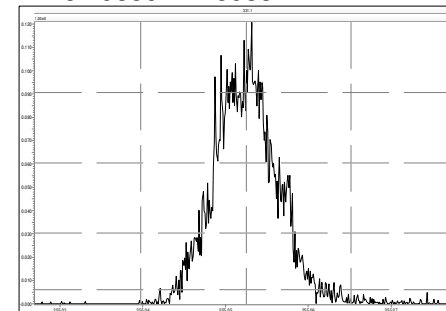
M 254.9856 R 13516



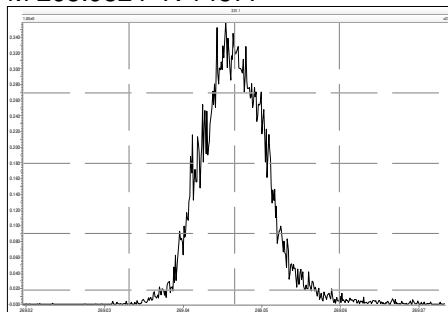
M 242.9856 R 15946



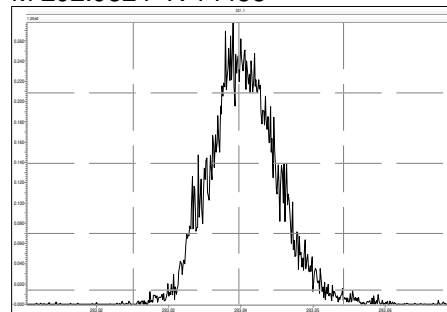
M 254.9856 R 15933



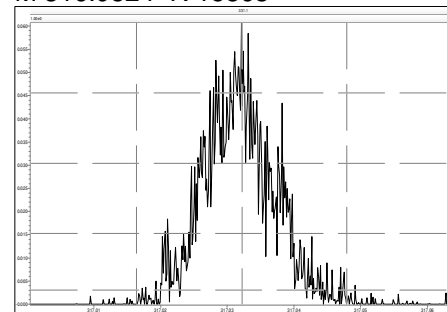
M 268.9824 R 14577



M 292.9824 R 14458



M 316.9824 R 15863



PCB ICAL Summary			SGS North America				Printed: 13 May 2024 09:46	
ICAL: HRMS2_PCB_03MAY2024			240503B03	240503B04	240503B05	240503B06	240503B07	240503B09
Date Acquired: 03 May 2024			0.5	1	5	50	400	2000
Date Processed: 13 May 2024 09:45			pg/uL	pg/uL	pg/uL	pg/uL	pg/uL	pg/uL
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5
PCB-77 33'44'-TeCB	0.95	11.5%	0.88	0.84	0.85	0.96	1.05	1.10
PCB-81 344'5'-TeCB	0.94	8.7%	0.91	0.86	0.86	0.95	1.02	1.05
PCB-105 233'44'-PeCB	0.97	9.7%	0.91	0.88	0.88	0.99	1.08	1.07
PCB-114 2344'5'-PeCB	0.96	12.2%	0.89	0.84	0.84	1.01	1.07	1.11
PCB-118 23'44'5'-PeCB	0.99	8.8%	0.91	0.92	0.92	1.00	1.06	1.12
PCB-123 23'44'5'-PeCB	0.96	9.4%	0.89	0.87	0.89	0.98	1.06	1.07
PCB-126 33'44'5'-PeCB	0.96	11.3%	0.85	0.90	0.87	0.98	1.09	1.10
PCB-156/157 ...-HxCB	0.96	11.0%	0.90	0.83	0.88	0.99	1.08	1.08
PCB-167 23'44'55'-HxCB	0.94	10.2%	0.89	0.83	0.85	0.96	1.03	1.06
PCB-169 33'44'55'-HxCB	0.97	9.5%	0.90	0.86	0.91	1.01	1.05	1.08
PCB-189 233'44'55'-HpCB	0.93	13.2%	0.94	0.73	0.86	0.94	1.04	1.06
PCB-209 DeCB	0.95	8.9%	0.85	0.90	0.90	0.96	1.04	1.06
ES PCB-1	1.19	12.6%	1.05	1.10	1.12	1.16	1.23	1.47
ES PCB-3	1.13	11.5%	1.03	1.05	1.06	1.09	1.16	1.38
ES PCB-4	0.72	9.8%	0.69	0.69	0.69	0.67	0.74	0.86
ES PCB-15	1.07	5.3%	1.03	1.05	1.06	1.04	1.07	1.18
ES PCB-19	0.65	6.6%	0.63	0.63	0.64	0.62	0.64	0.74
ES PCB-37	1.40	8.2%	1.31	1.32	1.39	1.36	1.40	1.62
ES PCB-54	1.23	14.2%	1.13	1.14	1.17	1.17	1.22	1.59
ES PCB-77	1.28	12.1%	1.16	1.18	1.22	1.23	1.32	1.58
ES PCB-81	1.33	12.6%	1.17	1.23	1.28	1.27	1.37	1.64
ES PCB-104	1.32	7.2%	1.30	1.28	1.27	1.24	1.30	1.50
ES PCB-105	1.26	14.0%	1.11	1.17	1.18	1.19	1.28	1.60
ES PCB-114	1.34	14.3%	1.21	1.23	1.26	1.25	1.39	1.71
ES PCB-118	1.31	10.8%	1.21	1.24	1.23	1.25	1.35	1.58
ES PCB-123	1.27	11.3%	1.17	1.19	1.20	1.20	1.29	1.55
ES PCB-126	1.19	14.9%	1.06	1.08	1.12	1.12	1.22	1.53
ES PCB-153	1.11	4.1%	1.16	1.15	1.14	1.11	1.08	1.04
ES PCB-155	1.45	5.0%	1.55	1.49	1.48	1.43	1.39	1.35
ES PCB-156/157	1.24	6.1%	1.19	1.21	1.22	1.20	1.23	1.39
ES PCB-167	1.29	4.6%	1.25	1.26	1.27	1.25	1.29	1.41
ES PCB-169	1.18	8.5%	1.11	1.10	1.16	1.14	1.21	1.37
ES PCB-170	1.06	3.3%	1.06	1.09	1.07	1.08	1.06	0.99
ES PCB-180	1.25	3.5%	1.26	1.30	1.26	1.26	1.26	1.17
ES PCB-188	1.36	4.0%	1.38	1.35	1.34	1.31	1.32	1.46
ES PCB-189	1.37	3.3%	1.35	1.29	1.39	1.37	1.41	1.41
ES PCB-202	1.19	3.0%	1.19	1.20	1.17	1.16	1.17	1.26
ES PCB-205	1.23	3.5%	1.16	1.22	1.21	1.24	1.28	1.27
ES PCB-206	0.89	2.1%	0.86	0.88	0.89	0.89	0.91	0.90
ES PCB-208	1.26	0.9%	1.25	1.27	1.26	1.24	1.26	1.24
ES PCB-209	0.98	3.1%	0.97	0.98	0.94	0.98	1.03	1.01

PCB ICAL Summary			SGS North America				Printed: 13 May 2024 09:46		
ICAL: HRMS2_PCB_03MAY2024			240503B03	240503B04	240503B05	240503B06	240503B07	240503B09	
Date Acquired: 03 May 2024			0.5	1	5	50	400	2000	
Date Processed: 13 May 2024 09:45			pg/uL	pg/uL	pg/uL	pg/uL	pg/uL	pg/uL	
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5	
SS PCB-28	1.04	9.7%	1.15	1.08	1.06	1.09	0.98	0.86	
SS PCB-111	0.98	5.0%	1.06	0.99	0.99	1.00	0.93	0.93	
SS PCB-178	0.71	4.6%	0.73	0.73	0.72	0.74	0.68	0.65	
CS PCB-28	1.44	3.5%	1.50	1.43	1.47	1.48	1.37	1.40	
CS PCB-111	1.24	7.6%	1.24	1.18	1.20	1.21	1.20	1.43	
CS PCB-178	0.96	3.5%	1.01	0.98	0.97	0.96	0.90	0.96	
PCB-1 2-MoCB	1.01	3.6%	1.01	0.99	0.96	0.98	1.04	1.06	
PCB-3 4-MoCB	1.01	5.3%	1.00	0.94	0.97	1.03	1.08	1.06	
PCB-4 22'-DiCB	0.98	9.9%	0.89	0.89	0.92	1.02	1.07	1.11	
PCB-15 44'-DiCB	0.97	12.2%	0.84	0.86	0.91	1.00	1.08	1.12	
PCB-19 22'6'-TrCB	1.03	10.3%	1.01	0.92	0.92	1.05	1.15	1.16	
PCB-37 344'-TrCB	1.03	12.8%	0.90	0.96	0.91	1.04	1.15	1.22	
PCB-54 22'66'-TeCB	1.09	12.4%	0.98	0.94	1.00	1.12	1.22	1.27	
PCB-104 22'466'-PeCB	1.00	11.2%	0.91	0.87	0.95	1.03	1.10	1.15	
PCB-153/168 ...-HxCB		-	-	-	-	-	-	-	
PCB-155 22'44'66'-HxCB	0.95	10.3%	0.84	0.91	0.87	0.97	1.04	1.09	
PCB-170 22'33'44'5'-HpCB		-	-	-	-	-	-	-	
PCB-180/193 ...-HpCB		-	-	-	-	-	-	-	
PCB-188 22'34'566'-HpCB	0.96	10.9%	0.85	0.85	0.92	1.00	1.07	1.08	
PCB-202 22'33'55'66'-OcCB	0.96	9.8%	0.93	0.85	0.86	0.97	1.05	1.07	
PCB-205 233'44'55'6'-OcCB	0.92	9.7%	0.87	0.80	0.88	0.92	1.02	1.03	
PCB-208 22'33'455'66'-NoCB	0.96	11.2%	0.86	0.86	0.88	0.99	1.08	1.09	
PCB-206 22'33'44'55'6'-NoCB	0.93	9.1%	0.88	0.85	0.85	0.92	1.02	1.04	
FS PCB-8	0.91	7.2%	0.96	0.92	0.92	0.96	0.93	0.78	
FS PCB-31	1.06	9.2%	1.15	1.09	1.05	1.13	1.06	0.87	
FS PCB-60	0.83	10.8%	0.91	0.86	0.85	0.87	0.83	0.66	
FS PCB-85	0.69	10.7%	0.75	0.70	0.71	0.74	0.68	0.55	
FS PCB-128	0.65	3.9%	0.67	0.65	0.65	0.68	0.65	0.61	
FS PCB-182	0.91	2.5%	0.94	0.92	0.92	0.92	0.91	0.87	
AS PCB-32	0.84	1.4%	0.87	0.83	0.83	0.84	0.84	0.84	
AS PCB-97	0.85	2.1%	0.88	0.83	0.85	0.86	0.85	0.86	
AS PCB-159	1.16	2.0%	1.16	1.16	1.12	1.16	1.16	1.19	
all AS verified for each individual ICAL point									
TB 5/13/2024									

Instrument: HRMS2 (AutoSpec-Ultima)

MS Experiment: pcb-2016

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	240503B01	98	SBS_240503_PCB_BA	1.00	Nonane		963-299	03-May-2024	04:56:25
3	240503B03	1	CS0_240503_PCB_BB	1.00	ICAL SIL 27-59-3	PSW, RAB	945-260	03-May-2024	07:36:12
4	240503B04	2	CS1_240503_PCB_BA	1.00	ICAL SIL 27-59-2	PSW, RAB	535-685	03-May-2024	08:46:39
5	240503B05	3	CS2_240503_PCB_BA	1.00	ICAL SIL 27-59-1	PSW, RAB	400-947	03-May-2024	09:54:09
6	240503B06	4	CS3_240503_PCB_BA	1.00	ICAL SIL 27-47-3	PSW, RAB	666-967	03-May-2024	10:54:15
7	240503B07	5	CS4_240503_PCB_BA	1.00	ICAL SIL 27-47-2	PSW, RAB	290-400	03-May-2024	11:51:22
8	240503B08	98	SB_240503_PCB_BB	1.00	Distilled Nonane		727-782	03-May-2024	13:01:42
9	240503B09	6	CS5_240503_PCB_BA	1.00	ICAL SIL 27-47-1	PSW, RAB	576-874	03-May-2024	13:58:51

REVIEWED
Richard_Ballard , 5/8/2024, 10:59:27 AM

PCB ICAL Concentrations		SGS Environmental Services				
Individual Native Standards	Concentration					
	CS0 pg/uL	CS1 pg/uL	CS2 pg/uL	CS3 pg/uL	CS4 pg/uL	CS5 pg/uL
PCB-1	0.5	1	5	50	400	2000
PCB-3	0.5	1	5	50	400	2000
PCB-4	0.5	1	5	50	400	2000
PCB-15	0.5	1	5	50	400	2000
PCB-19	0.5	1	5	50	400	2000
PCB-37	0.5	1	5	50	400	2000
PCB-54	0.5	1	5	50	400	2000
PCB-77	0.5	1	5	50	400	2000
PCB-81	0.5	1	5	50	400	2000
PCB-104	0.5	1	5	50	400	2000
PCB-105	0.5	1	5	50	400	2000
PCB-114	0.5	1	5	50	400	2000
PCB-118	0.5	1	5	50	400	2000
PCB-123	0.5	1	5	50	400	2000
PCB-126	0.5	1	5	50	400	2000
PCB-155	0.5	1	5	50	400	2000
PCB-156	0.5	1	5	50	400	2000
PCB-157	0.5	1	5	50	400	2000
PCB-167	0.5	1	5	50	400	2000
PCB-169	0.5	1	5	50	400	2000
PCB-188	0.5	1	5	50	400	2000
PCB-189	0.5	1	5	50	400	2000
PCB-202	0.5	1	5	50	400	2000
PCB-205	0.5	1	5	50	400	2000
PCB-206	0.5	1	5	50	400	2000
PCB-208	0.5	1	5	50	400	2000
PCB-209	0.5	1	5	50	400	2000
Extraction Standards						
ES PCB-1	100	100	100	100	100	100
ES PCB-3	100	100	100	100	100	100
ES PCB-4	100	100	100	100	100	100
ES PCB-15	100	100	100	100	100	100
ES PCB-19	100	100	100	100	100	100
ES PCB-37	100	100	100	100	100	100
ES PCB-54	100	100	100	100	100	100
ES PCB-77	100	100	100	100	100	100
ES PCB-81	100	100	100	100	100	100
ES PCB-104	100	100	100	100	100	100
ES PCB-105	100	100	100	100	100	100
ES PCB-114	100	100	100	100	100	100
ES PCB-118	100	100	100	100	100	100
ES PCB-123	100	100	100	100	100	100
ES PCB-126	100	100	100	100	100	100
ES PCB-155	100	100	100	100	100	100
ES PCB-156	100	100	100	100	100	100
ES PCB-157	100	100	100	100	100	100
ES PCB-167	100	100	100	100	100	100
ES PCB-169	100	100	100	100	100	100
ES PCB-188	100	100	100	100	100	100
ES PCB-189	100	100	100	100	100	100
ES PCB-202	100	100	100	100	100	100
ES PCB-205	100	100	100	100	100	100
ES PCB-206	100	100	100	100	100	100
ES PCB-208	100	100	100	100	100	100
ES PCB-209	100	100	100	100	100	100
Cleanup/Sampling Standards						
CS PCB-28	100	100.0	100	100	100	100
CS PCB-111	100	100	100	100	100	100
CS PCB-178	100	100	100	100	100	100
Injection Standards						
JS PCB-9	100	100	100	100	100	100
JS PCB-52	100	100	100	100	100	100
JS PCB-101	100	100	100	100	100	100
JS PCB-138	100	100	100	100	100	100
JS PCB-194	100	100	100	100	100	100

Analyte

Compound	Standard
PCB-1 2-MoCB	ES PCB-1
PCB-2 3-MoCB	ES PCB-3
PCB-3 4-MoCB	ES PCB-3
PCB-4 22'-DiCB	ES PCB-4
PCB-10 26-DiCB	ES PCB-4
PCB-9 25-DiCB	ES PCB-15
PCB-7 24-DiCB	ES PCB-15
PCB-6 23'-DiCB	ES PCB-15
PCB-5 23-DiCB	ES PCB-15
PCB-8 24'-DiCB	ES PCB-15
PCB-14 35-DiCB	ES PCB-15
PCB-11 33'-DiCB	ES PCB-15
PCB-13/12 34'/34-DiCB	ES PCB-15
PCB-15 44'-DiCB	ES PCB-15
PCB-19 22'-TrCB	ES PCB-19
PCB-30/18 246/22'5-TrCB	ES PCB-19
PCB-17 22'4-TrCB	ES PCB-19
PCB-27 23'-TrCB	ES PCB-19
PCB-24 236-TrCB	ES PCB-19
PCB-16 22'3-TrCB	ES PCB-19
PCB-32 24'6-TrCB	ES PCB-19
PCB-34 23'5'-TrCB	ES PCB-37
PCB-23 235-TrCB	ES PCB-37
PCB-26/29 23'5/245-TrCB	ES PCB-37
PCB-25 23'4-TrCB	ES PCB-37
PCB-31 24'5-TrCB	ES PCB-37
PCB-28/20 244'/233'-TrCB	ES PCB-37
PCB-21/33 234/23'4'-TrCB	ES PCB-37
PCB-22 234'-TrCB	ES PCB-37
PCB-36 33'5-TrCB	ES PCB-37
PCB-39 34'5-TrCB	ES PCB-37
PCB-38 345-TrCB	ES PCB-37
PCB-35 33'4-TrCB	ES PCB-37
PCB-37 344'-TrCB	ES PCB-37
PCB-54 22'66'-TeCB	ES PCB-54
PCB-77 33'44'-TeCB	ES PCB-77

Compound	Standard
PCB-50/53 22'46/22'56'-TeCE	ES PCB-81
PCB-45 22'36'-TeCB	ES PCB-81
PCB-51 22'46'-TeCB	ES PCB-81
PCB-46 22'36'-TeCB	ES PCB-81
PCB-52 22'55'-TeCB	ES PCB-81
PCB-73 23'5'6'-TeCB	ES PCB-81
PCB-43 22'35'-TeCB	ES PCB-81
PCB-69/49 23'46/22'45'-TeCE	ES PCB-81
PCB-48 22'45'-TeCB	ES PCB-81
PCB-44/47/65 ...-TeCB	ES PCB-81
PCB-59/62/75 ...-TeCB	ES PCB-81
PCB-42 22'34'-TeCB	ES PCB-81
PCB-41 22'34'-TeCB	ES PCB-81
PCB-71/40 23'4'6/22'33'-TeCB	ES PCB-81
PCB-64 234'6'-TeCB	ES PCB-81
PCB-72 23'55'-TeCB	ES PCB-81
PCB-68 23'45'-TeCB	ES PCB-81
PCB-57 233'5'-TeCB	ES PCB-81
PCB-58 233'5'-TeCB	ES PCB-81
PCB-67 23'45'-TeCB	ES PCB-81
PCB-63 234'5'-TeCB	ES PCB-81
PCB-61/70/74/76 ...-TeCB	ES PCB-81
PCB-66 23'44'-TeCB	ES PCB-81
PCB-55 233'4'-TeCB	ES PCB-81
PCB-56 233'4'-TeCB	ES PCB-81
PCB-60 2344'-TeCB	ES PCB-81
PCB-80 33'55'-TeCB	ES PCB-81
PCB-79 33'45'-TeCB	ES PCB-81
PCB-78 33'45'-TeCB	ES PCB-81
PCB-81 344'5'-TeCB	ES PCB-81
PCB-104 22'466'-PeCB	ES PCB-104
PCB-96 22'366'-PeCB	ES PCB-104
PCB-105 233'44'-PeCB	ES PCB-105
PCB-127 33'455'-PeCB	ES PCB-105
PCB-114 2344'5'-PeCB	ES PCB-114
PCB-122 233'4'5'-PeCB	ES PCB-114

Compound	Standard
PCB-118 23'44'5'-PeCB	ES PCB-118
PCB-103 22'45'6'-PeCB	ES PCB-123
PCB-94 22'356'-PeCB	ES PCB-123
PCB-95 22'35'6'-PeCB	ES PCB-123
PCB-100/93 22'44'6/22'356'-P	ES PCB-123
PCB-102 22'456'-PeCB	ES PCB-123
PCB-98 22'34'6'-PeCB	ES PCB-123
PCB-88 22'346'-PeCB	ES PCB-123
PCB-91 22'34'6'-PeCB	ES PCB-123
PCB-84 22'33'6'-PeCB	ES PCB-123
PCB-89 22'346'-PeCB	ES PCB-123
PCB-121 23'45'6'-PeCB	ES PCB-123
PCB-92 22'355'-PeCB	ES PCB-123
PCB-113/90/101 ...-PeCB	ES PCB-123
PCB-83 22'33'5'-PeCB	ES PCB-123
PCB-99 22'44'5'-PeCB	ES PCB-123
PCB-112 233'56'-PeCB	ES PCB-123
PCB-108/119/86/97/125...-Pe	ES PCB-123
PCB-117 234'56'-PeCB	ES PCB-123
PCB-116/85 23456/22'344'-P	ES PCB-123
PCB-110 233'4'6'-PeCB	ES PCB-123
PCB-115 2344'6'-PeCB	ES PCB-123
PCB-82 22'33'4'-PeCB	ES PCB-123
PCB-111 233'55'-PeCB	ES PCB-123
PCB-120 23'455'-PeCB	ES PCB-123
PCB-107/124 ...-PeCB	ES PCB-123
PCB-109 233'46'-PeCB	ES PCB-123
PCB-106 233'45'-PeCB	ES PCB-123
PCB-123 23'44'5'-PeCB	ES PCB-123
PCB-126 33'44'5'-PeCB	ES PCB-126
PCB-155 22'44'66'-HxCB	ES PCB-155
PCB-152 22'3566'-HxCB	ES PCB-155
PCB-150 22'34'66'-HxCB	ES PCB-155
PCB-136 22'33'66'-HxCB	ES PCB-155
PCB-145 22'3466'-HxCB	ES PCB-155

Compound	Standard
PCB-148 22'34'56'-HxCB	ES PCB-153
PCB-151/135 ...-HxCB	ES PCB-153
PCB-154 22'44'56'-HxCB	ES PCB-153
PCB-144 22'345'6'-HxCB	ES PCB-153
PCB-147/149 ...-HxCB	ES PCB-153
PCB-134 22'33'56'-HxCB	ES PCB-153
PCB-143 22'3456'-HxCB	ES PCB-153
PCB-139/140 ...-HxCB	ES PCB-153
PCB-131 22'33'46'-HxCB	ES PCB-153
PCB-142 22'3456'-HxCB	ES PCB-153
PCB-132 22'33'46'-HxCB	ES PCB-153
PCB-133 22'33'55'-HxCB	ES PCB-153
PCB-165 233'55'6'-HxCB	ES PCB-153
PCB-146 22'34'55'-HxCB	ES PCB-153
PCB-161 233'45'6'-HxCB	ES PCB-153
PCB-153/168 ...-HxCB	ES PCB-153
PCB-141 22'3455'-HxCB	ES PCB-153
PCB-130 22'33'45'-HxCB	ES PCB-153
PCB-137 22'344'5'-HxCB	ES PCB-153
PCB-164 233'4'5'6'-HxCB	ES PCB-153
PCB-163/138/129 ...-HxCB	ES PCB-153
PCB-160 233'456'-HxCB	ES PCB-153
PCB-158 233'44'6'-HxCB	ES PCB-153
PCB-156/157 ...-HxCB	ES PCB-156/157
PCB-167 23'44'55'-HxCB	ES PCB-167
PCB-128/166 ...-HxCB	ES PCB-167
PCB-159 233'455'-HxCB	ES PCB-167
PCB-162 233'4'55'-HxCB	ES PCB-167
PCB-169 33'44'55'-HxCB	ES PCB-169
PCB-188 22'34'566'-HpCB	ES PCB-188
PCB-179 22'33'566'-HpCB	ES PCB-188
PCB-184 22'344'66'-HpCB	ES PCB-188
PCB-176 22'33'466'-HpCB	ES PCB-188
PCB-186 22'34566'-HpCB	ES PCB-188
PCB-178 22'33'55'6'-HpCB	ES PCB-188

Compound	Standard
PCB-175 22'33'45'6'-HpCB	ES PCB-180
PCB-187 22'34'55'6'-HpCB	ES PCB-180
PCB-182 22'344'56'-HpCB	ES PCB-180
PCB-183 22'344'5'6'-HpCB	ES PCB-180
PCB-185 22'3455'6'-HpCB	ES PCB-180
PCB-174 22'33'456'-HpCB	ES PCB-180
PCB-177 22'33'45'6'-HpCB	ES PCB-180
PCB-181 22'344'56'-HpCB	ES PCB-180
PCB-171/173 ...-HpCB	ES PCB-180
PCB-172 22'33'455'-HpCB	ES PCB-180
PCB-192 233'455'6'-HpCB	ES PCB-180
PCB-180/193 ...-HpCB	ES PCB-180
PCB-191 233'44'5'6'-HpCB	ES PCB-180
PCB-170 22'33'44'5'-HpCB	ES PCB-170
PCB-190 233'44'56'-HpCB	ES PCB-170
PCB-189 233'44'55'-HpCB	ES PCB-189
PCB-202 22'33'55'66'-OcCB	ES PCB-202
PCB-201 22'33'45'66'-OcCB	ES PCB-202
PCB-204 22'344'566'-OcCB	ES PCB-202
PCB-197 22'33'44'66'-OcCB	ES PCB-202
PCB-200 22'33'4566'-OcCB	ES PCB-202
PCB-198/199 ...-OcCB	ES PCB-202
PCB-196 22'33'44'56'-OcCB	ES PCB-202
PCB-203 22'344'55'6'-OcCB	ES PCB-202
PCB-195 22'33'44'56'-OcCB	ES PCB-205
PCB-194 22'33'44'55'-OcCB	ES PCB-205
PCB-205 233'44'55'6'-OcCB	ES PCB-205
PCB-208 22'33'455'66'-NoCB	ES PCB-208
PCB-207 22'33'44'566'-NoCB	ES PCB-208
PCB-206 22'33'44'55'6'-NoCB	ES PCB-206
PCB-209 DeCB	ES PCB-209

Label

Compound	Standard
----------	----------

ES PCB-1	JS PCB-9
ES PCB-3	JS PCB-9
ES PCB-4	JS PCB-9
ES PCB-15	JS PCB-9
ES PCB-19	JS PCB-9

ES PCB-37	JS PCB-52
ES PCB-54	JS PCB-52
ES PCB-77	JS PCB-52
ES PCB-81	JS PCB-52

ES PCB-104	JS PCB-101
ES PCB-105	JS PCB-101
ES PCB-114	JS PCB-101
ES PCB-118	JS PCB-101
ES PCB-123	JS PCB-101
ES PCB-126	JS PCB-101

ES PCB-153	JS PCB-138
ES PCB-155	JS PCB-138
ES PCB-156/157	JS PCB-138
ES PCB-167	JS PCB-138
ES PCB-169	JS PCB-138
ES PCB-188	JS PCB-138
ES PCB-202	JS PCB-138

ES PCB-170	JS PCB-194
ES PCB-180	JS PCB-194
ES PCB-189	JS PCB-194
ES PCB-205	JS PCB-194
ES PCB-206	JS PCB-194
ES PCB-208	JS PCB-194
ES PCB-209	JS PCB-194

SS PCB-28	ES PCB-37
SS PCB-111	ES PCB-123
SS PCB-178	ES PCB-188

CS PCB-28	JS PCB-52
CS PCB-111	JS PCB-101
CS PCB-178	JS PCB-138

Compound	Standard
----------	----------

FS PCB-8	ES PCB-15
FS PCB-31	ES PCB-37
FS PCB-60	ES PCB-81
FS PCB-85	ES PCB-123
FS PCB-128	ES PCB-167
FS PCB-182	ES PCB-180

Compound	Standard
----------	----------

JS PCB-9	
JS PCB-52	
JS PCB-101	
JS PCB-138	
JS PCB-194	

PCB QC Summary		SGS North America			Printed: 8-May-2024 10:56	
Lab ID:	CS0_240503_PCB_BB			ICAL: HRMS2_PCB_03MAY2024		
Acquired:	3-May-24 07:36:12					
Datafile:	240503B03					
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.55	4.73E+05	0.81 Y	0.95	0.88	-6.8%
PCB-81 344'5'-TeCB	33.06	4.92E+05	0.72 Y	0.94	0.91	-3.3%
PCB-105 233'44'-PeCB	36.58	3.90E+05	0.66 Y	0.97	0.91	-5.8%
PCB-114 2344'5'-PeCB	36.02	4.14E+05	0.71 Y	0.96	0.89	-7.1%
PCB-118 23'44'5'-PeCB	35.55	4.21E+05	0.60 Y	0.99	0.91	-8.2%
PCB-123 23'44'5'-PeCB	35.27	3.99E+05	0.69 Y	0.96	0.89	-7.6%
PCB-126 33'44'5'-PeCB	39.22	3.45E+05	0.65 Y	0.96	0.85	-11.8%
PCB-156/157 ...-HxCB	41.81	7.49E+05	1.24 Y	0.96	0.90	-6.5%
PCB-167 23'44'55'-HxCB	40.81	3.87E+05	1.17 Y	0.94	0.89	-5.5%
PCB-169 33'44'55'-HxCB	44.56	3.51E+05	1.29 Y	0.97	0.90	-7.0%
PCB-189 233'44'55'-HpCB	46.73	3.49E+05	1.00 Y	0.93	0.94	1.1%
PCB-209 DeCB	53.30	2.26E+05	1.16 Y	0.95	0.85	-10.7%
ES PCB-1	12.20	1.66E+08	3.04 Y	1.19	1.05	-11.5%
ES PCB-3	14.56	1.62E+08	3.12 Y	1.13	1.03	-8.9%
ES PCB-4	14.81	1.09E+08	1.57 Y	0.72	0.69	-4.7%
ES PCB-15	20.66	1.62E+08	1.61 Y	1.07	1.03	-4.1%
ES PCB-19	17.98	9.93E+07	1.06 Y	0.65	0.63	-3.0%
ES PCB-37	27.10	1.20E+08	1.06 Y	1.40	1.31	-6.6%
ES PCB-54	20.95	1.04E+08	0.75 Y	1.23	1.13	-8.6%
ES PCB-77	33.53	1.07E+08	0.80 Y	1.28	1.16	-9.0%
ES PCB-81	33.04	1.08E+08	0.80 Y	1.33	1.17	-11.7%
ES PCB-104	26.01	9.99E+07	1.53 Y	1.32	1.30	-1.0%
ES PCB-105	36.55	8.55E+07	1.60 Y	1.26	1.11	-11.3%
ES PCB-114	36.00	9.26E+07	1.62 Y	1.34	1.21	-10.1%
ES PCB-118	35.53	9.28E+07	1.61 Y	1.31	1.21	-7.7%
ES PCB-123	35.24	8.98E+07	1.58 Y	1.27	1.17	-7.6%
ES PCB-126	39.20	8.10E+07	1.56 Y	1.19	1.06	-11.0%
ES PCB-153	37.13	8.11E+07	1.28 Y	1.11	1.16	4.2%
ES PCB-155	31.04	1.09E+08	1.25 Y	1.45	1.55	6.9%
ES PCB-156/157	41.79	1.67E+08	1.27 Y	1.24	1.19	-3.7%
ES PCB-167	40.79	8.75E+07	1.27 Y	1.29	1.25	-2.9%
ES PCB-169	44.55	7.78E+07	1.28 Y	1.18	1.11	-5.9%
ES PCB-170	44.04	5.85E+07	1.05 Y	1.06	1.06	0.4%
ES PCB-180	42.96	6.97E+07	1.08 Y	1.25	1.26	1.1%
ES PCB-188	35.99	9.69E+07	1.05 Y	1.36	1.38	1.7%
ES PCB-189	46.71	7.46E+07	1.04 Y	1.37	1.35	-1.3%
ES PCB-202	40.58	8.31E+07	0.91 Y	1.19	1.19	-0.4%
ES PCB-205	49.21	6.40E+07	0.88 Y	1.23	1.16	-5.6%
ES PCB-206	51.19	4.73E+07	0.79 Y	0.89	0.86	-3.4%
ES PCB-208	46.29	6.89E+07	0.78 Y	1.26	1.25	-0.4%
ES PCB-209	53.27	5.32E+07	1.20 Y	0.98	0.97	-1.7%

PCB QC Summary		SGS North America			Printed: 8-May-2024 10:56	
Lab ID:	CS0_240503_PCB_BB			ICAL: HRMS2_PCB_03MAY2024		
Acquired:	3-May-24 07:36:12					
Datafile:	240503B03					
Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	23.48	1.38E+08	1.05 Y	1.04	1.15	10.9%
SS PCB-111	33.54	9.49E+07	1.57 Y	0.98	1.06	7.4%
SS PCB-178	38.58	7.04E+07	1.08 Y	0.71	0.73	2.7%
CS PCB-28	23.48	1.38E+08	1.05 Y	1.44	1.50	4.2%
CS PCB-111	33.54	9.49E+07	1.57 Y	1.24	1.24	-0.3%
CS PCB-178	38.58	7.04E+07	1.08 Y	0.96	1.01	4.5%
JS PCB-9	16.84	1.58E+08	1.60 Y	-	-	-
JS PCB-52	25.13	9.19E+07	0.78 Y	-	-	-
JS PCB-101	31.21	7.67E+07	1.58 Y	-	-	-
JS PCB-138	38.21	7.00E+07	1.26 Y	-	-	-
JS PCB-194	48.71	5.51E+07	0.89 Y	-	-	-
PCB-1 2-MoCB	12.21	8.35E+05	3.28 Y	1.01	1.01	-0.1%
PCB-3 4-MoCB	14.57	8.14E+05	3.14 Y	1.01	1.00	-1.2%
PCB-4 22'-DiCB	14.83	4.82E+05	1.52 Y	0.98	0.89	-10.0%
PCB-15 44'-DiCB	20.68	6.82E+05	1.78 Y	0.97	0.84	-13.1%
PCB-19 22'6-TrCB	17.99	5.01E+05	1.01 Y	1.03	1.01	-2.5%
PCB-37 344'-TrCB	27.12	5.41E+05	1.05 Y	1.03	0.90	-12.8%
PCB-54 22'66'-TeCB	20.97	5.06E+05	0.73 Y	1.09	0.98	-10.2%
PCB-104 22'466'-PeCB	26.04	4.53E+05	0.64 Y	1.00	0.91	-9.4%
PCB-155 22'44'66'-HxCB	31.06	4.58E+05	1.19 Y	0.95	0.84	-11.5%
PCB-188 22'34'566'-HpCB	36.01	4.13E+05	0.98 Y	0.96	0.85	-11.4%
PCB-202 22'33'55'66'-OcCB	40.61	3.88E+05	0.97 Y	0.96	0.93	-2.3%
PCB-205 233'44'55'6-OcCB	49.23	2.79E+05	1.02 Y	0.92	0.87	-5.3%
PCB-208 22'33'455'66'-NoCB	46.31	2.96E+05	0.83 Y	0.96	0.86	-10.3%
PCB-206 22'33'44'55'6-NoCB	51.22	2.08E+05	0.68 Y	0.93	0.88	-4.9%
FS PCB-8	17.68	1.56E+08	1.62 Y	0.91	0.96	5.5%
FS PCB-31	23.203	1.38E+08	1.06 Y	1.06	1.15	8.5%
FS PCB-60	30.486	9.80E+07	0.79 Y	0.83	0.91	9.6%
FS PCB-85	32.804	6.78E+07	1.60 Y	0.69	0.75	9.3%
FS PCB-128	39.311	5.87E+07	1.28 Y	0.65	0.67	3.0%
FS PCB-182	39.551	6.52E+07	1.04 Y	0.91	0.94	2.4%

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



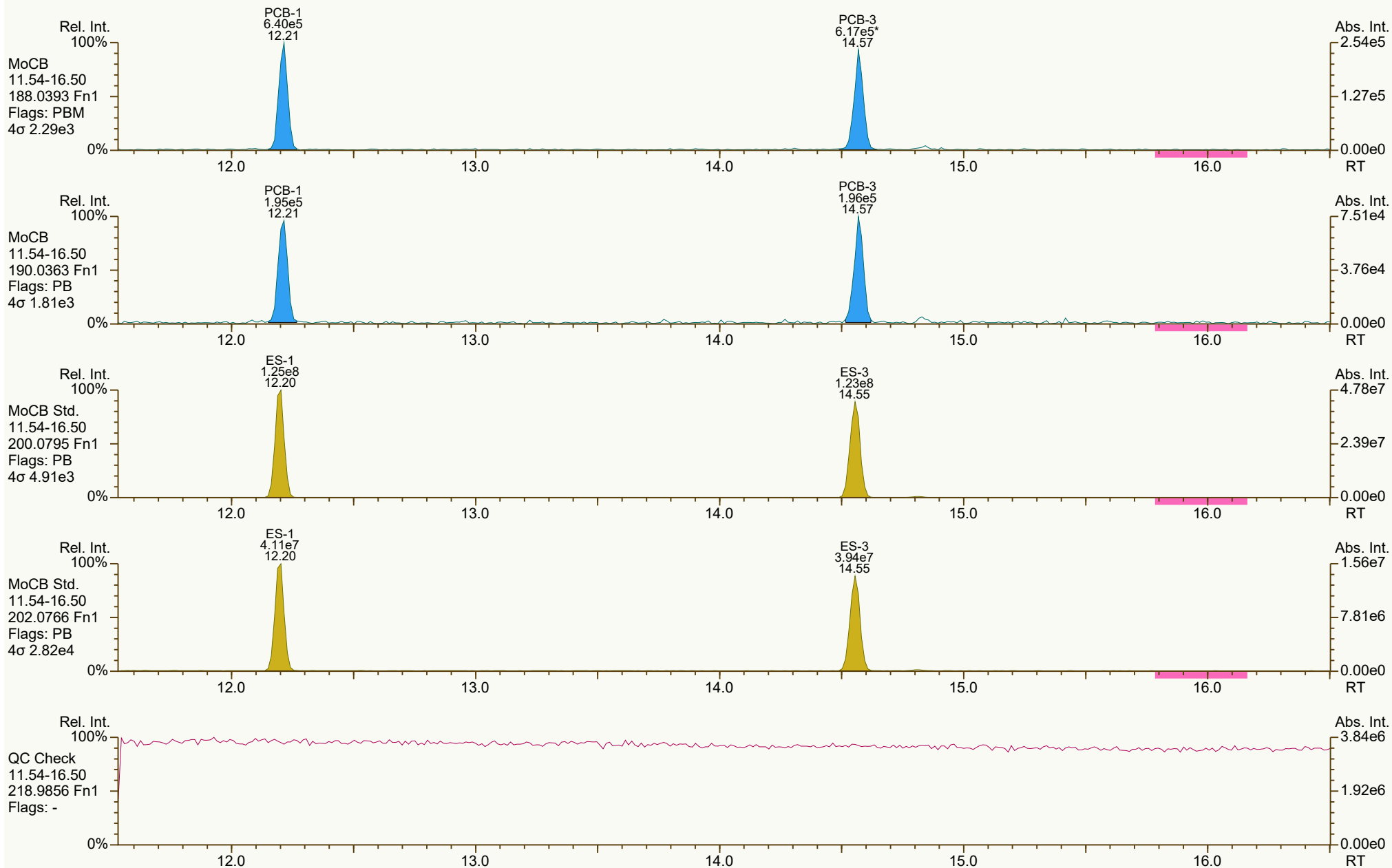
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 945-260

Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 10:41 Page 1 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



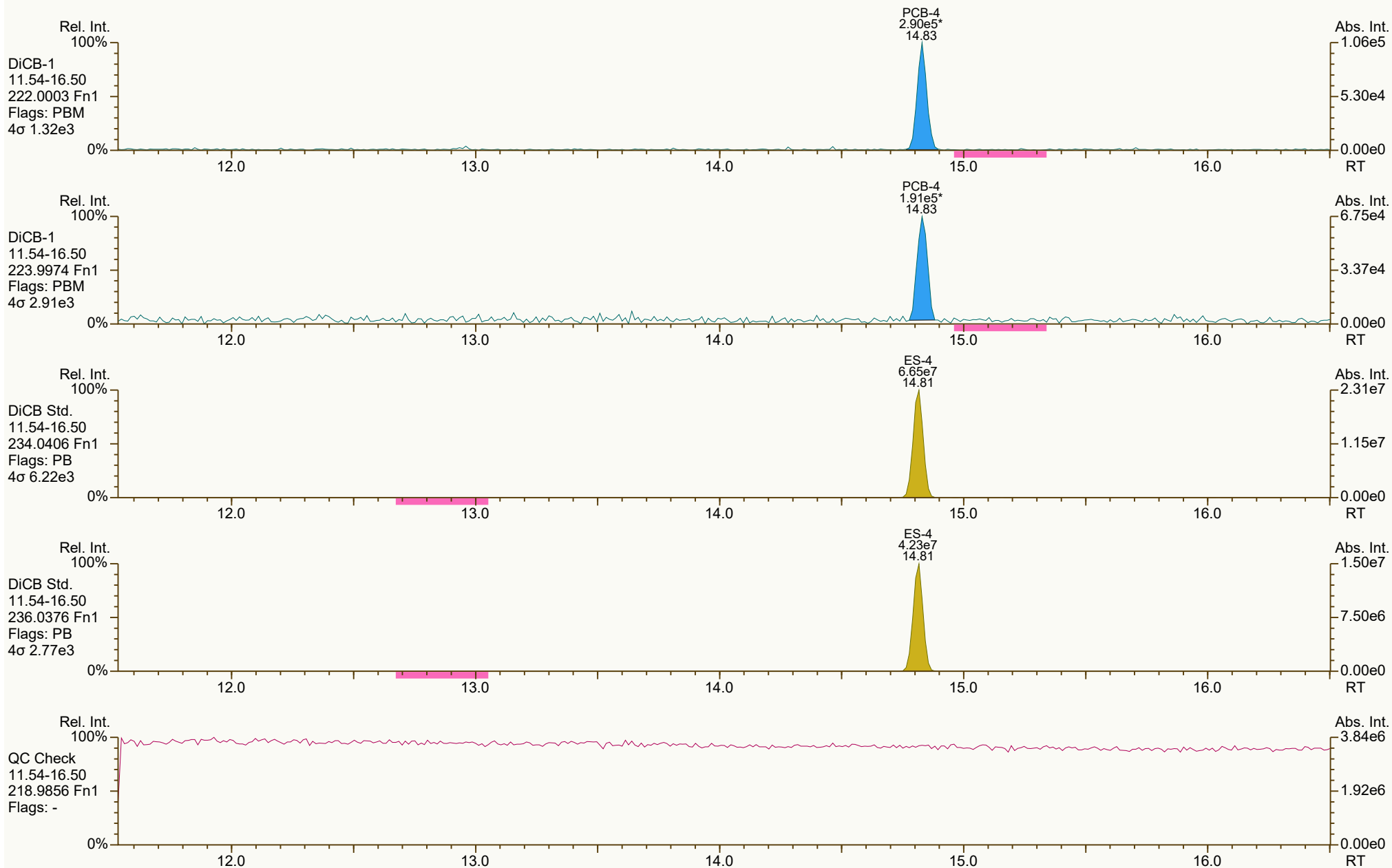
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1004, 9129 scc: 945-260

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:41 (JHL) Printed: 08-May-2024 10:42 Page 2 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



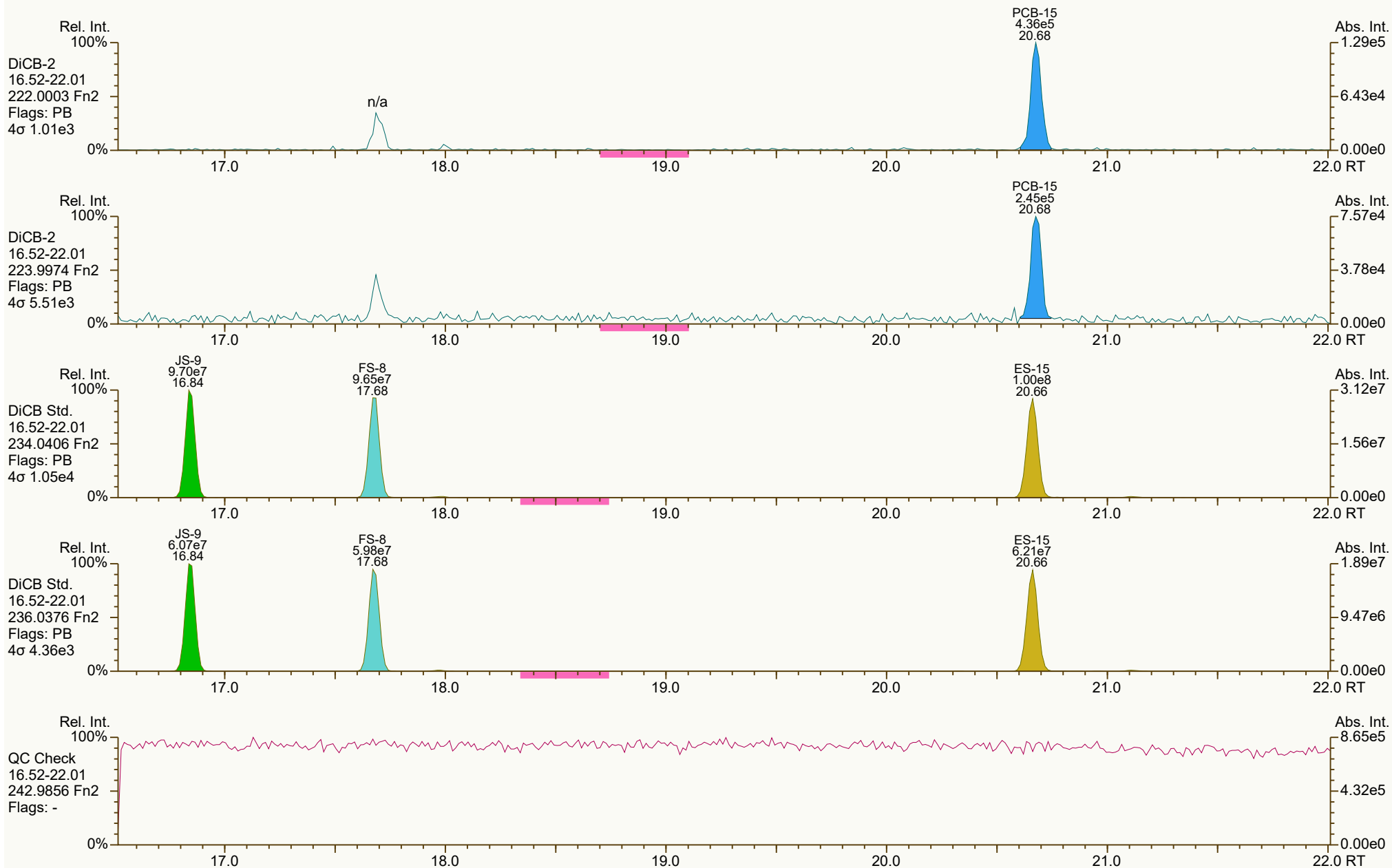
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2279, 9142 scc: 945-260

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:41 (JHL) Printed: 08-May-2024 10:42 Page 3 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



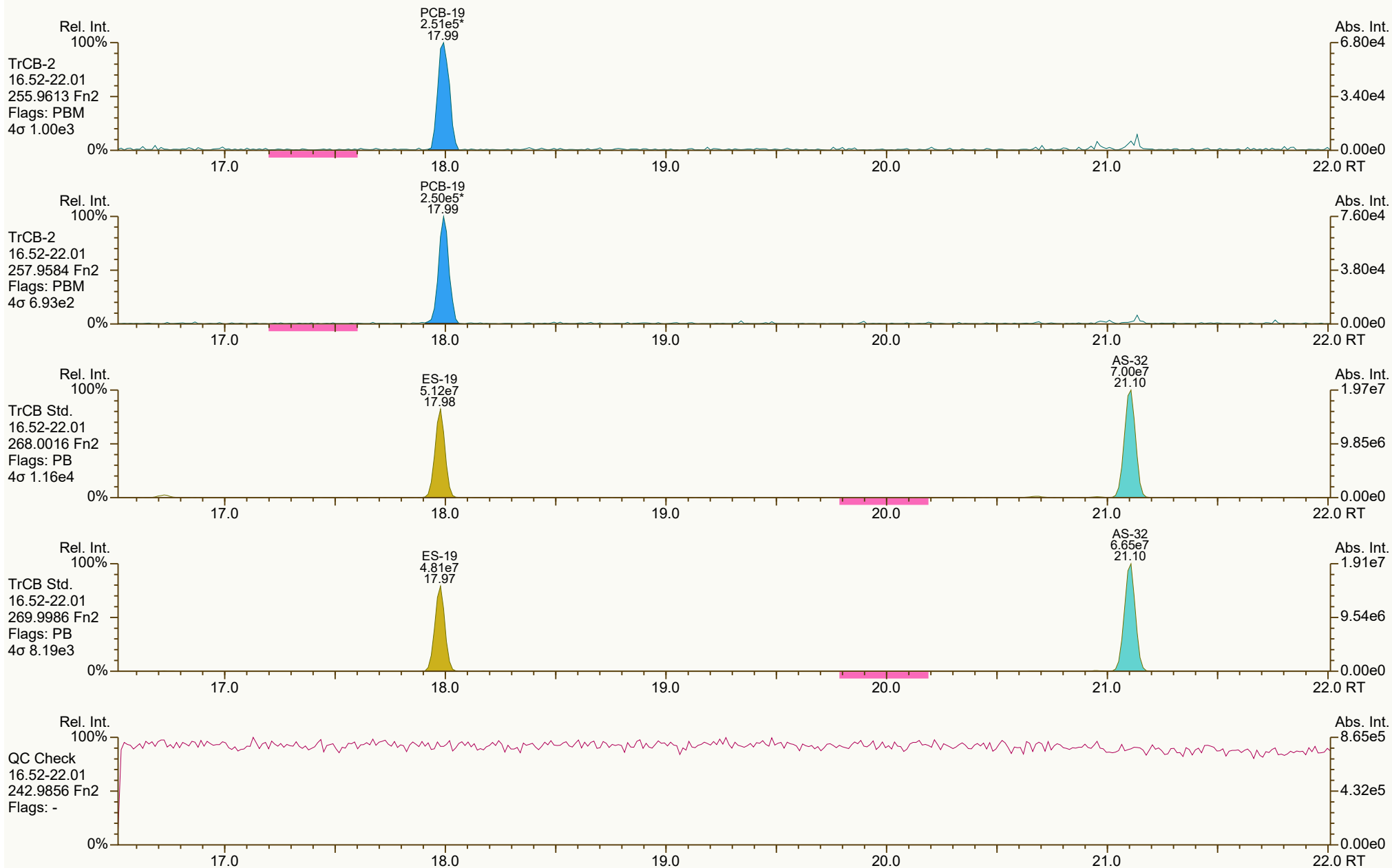
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1016, 1761 scc: 945-260

Peak annotation: Areas, Centroids
Revised: 03-May-2024 11:42 (PSW) Printed: 08-May-2024 10:42 Page 4 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0272, 5128 scc: 945-260

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:41 (JHL) Printed: 08-May-2024 10:42 Page 5 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9641, 5118 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 6 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0767, 3739 scc: 945-260

Peak annotation: Areas, Centroids
Revised: 03-May-2024 11:40 (PSW) Printed: 08-May-2024 10:42 Page 7 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



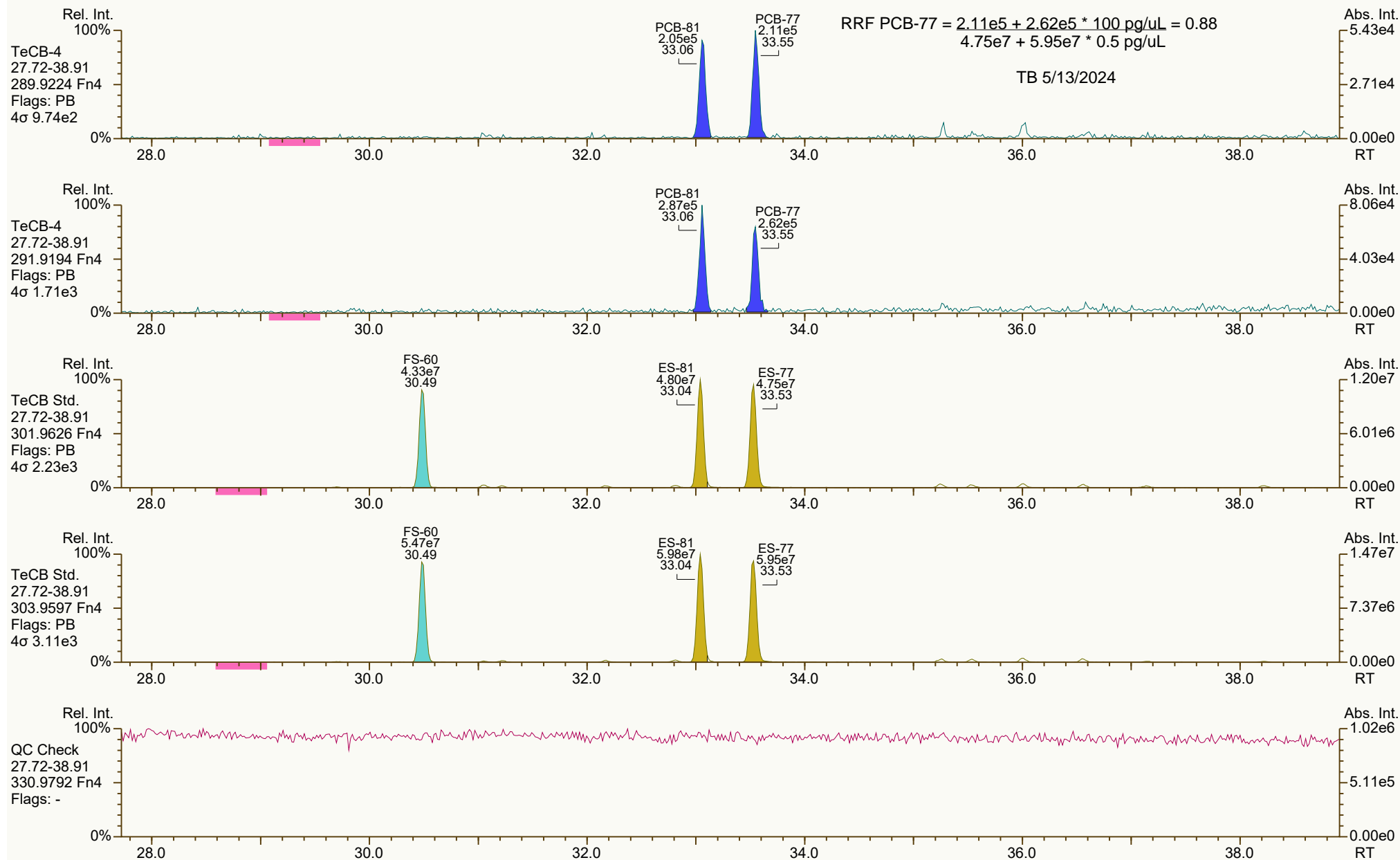
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4014, 9121 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 8 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



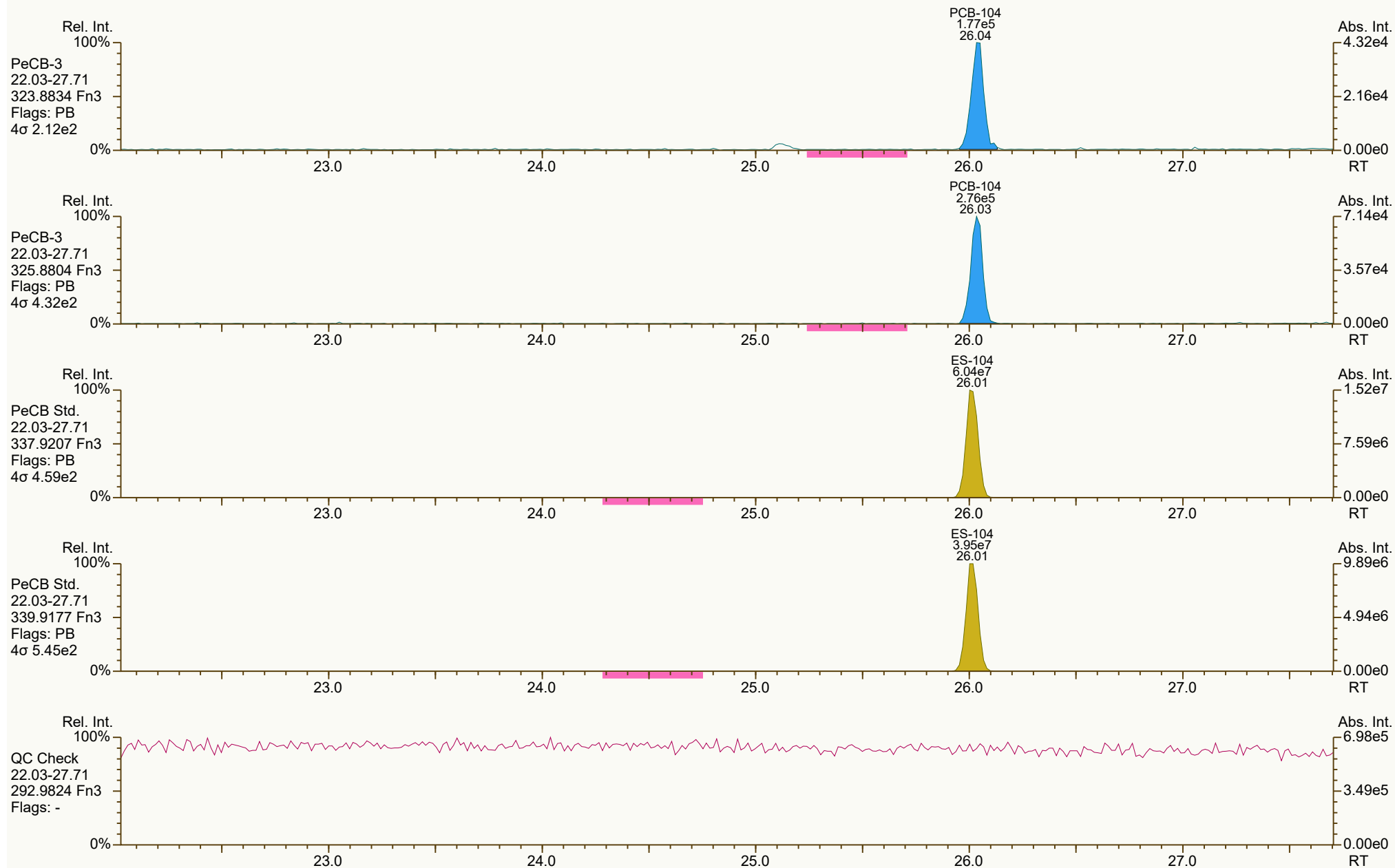
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9506, 8677 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 9 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

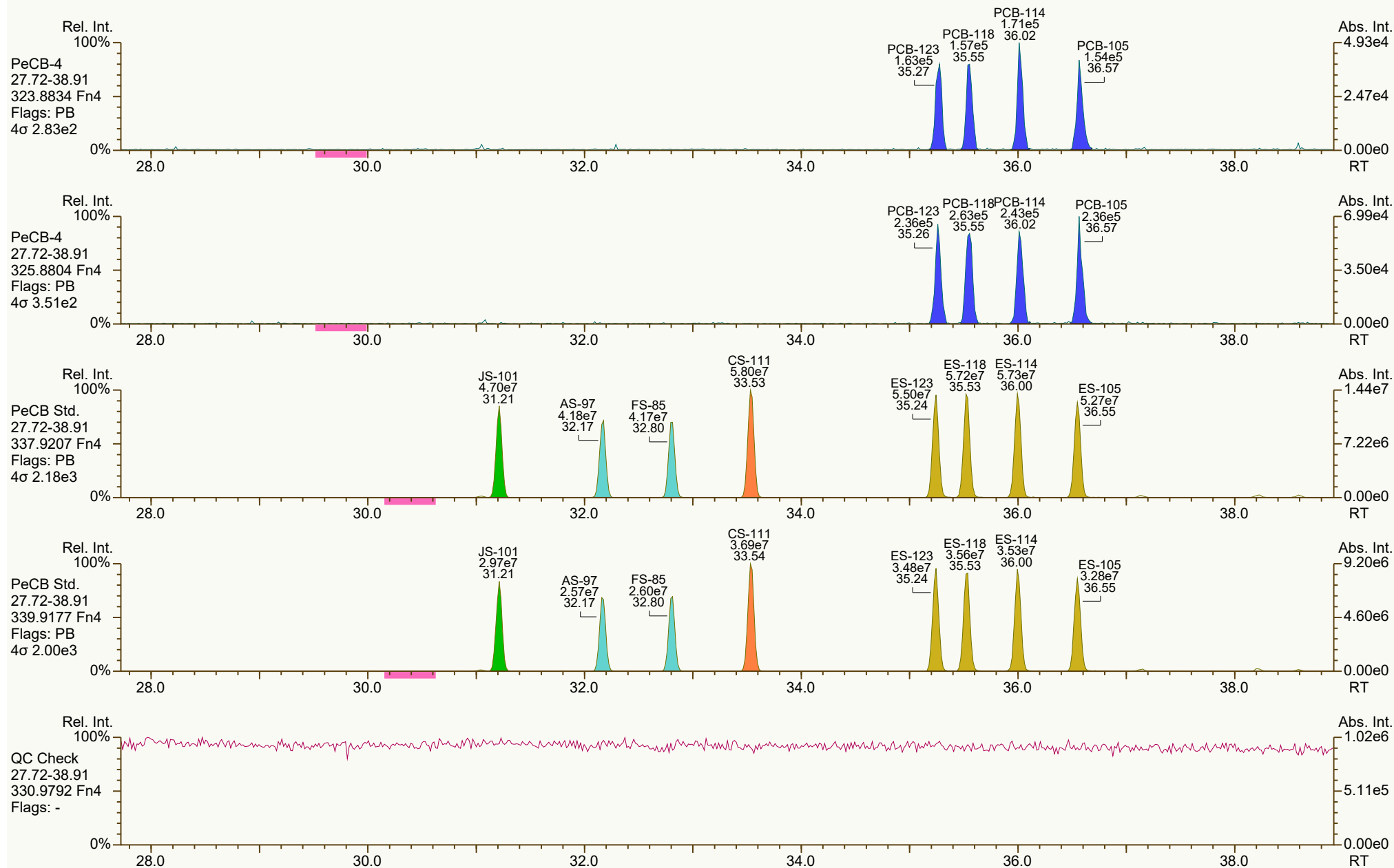
Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



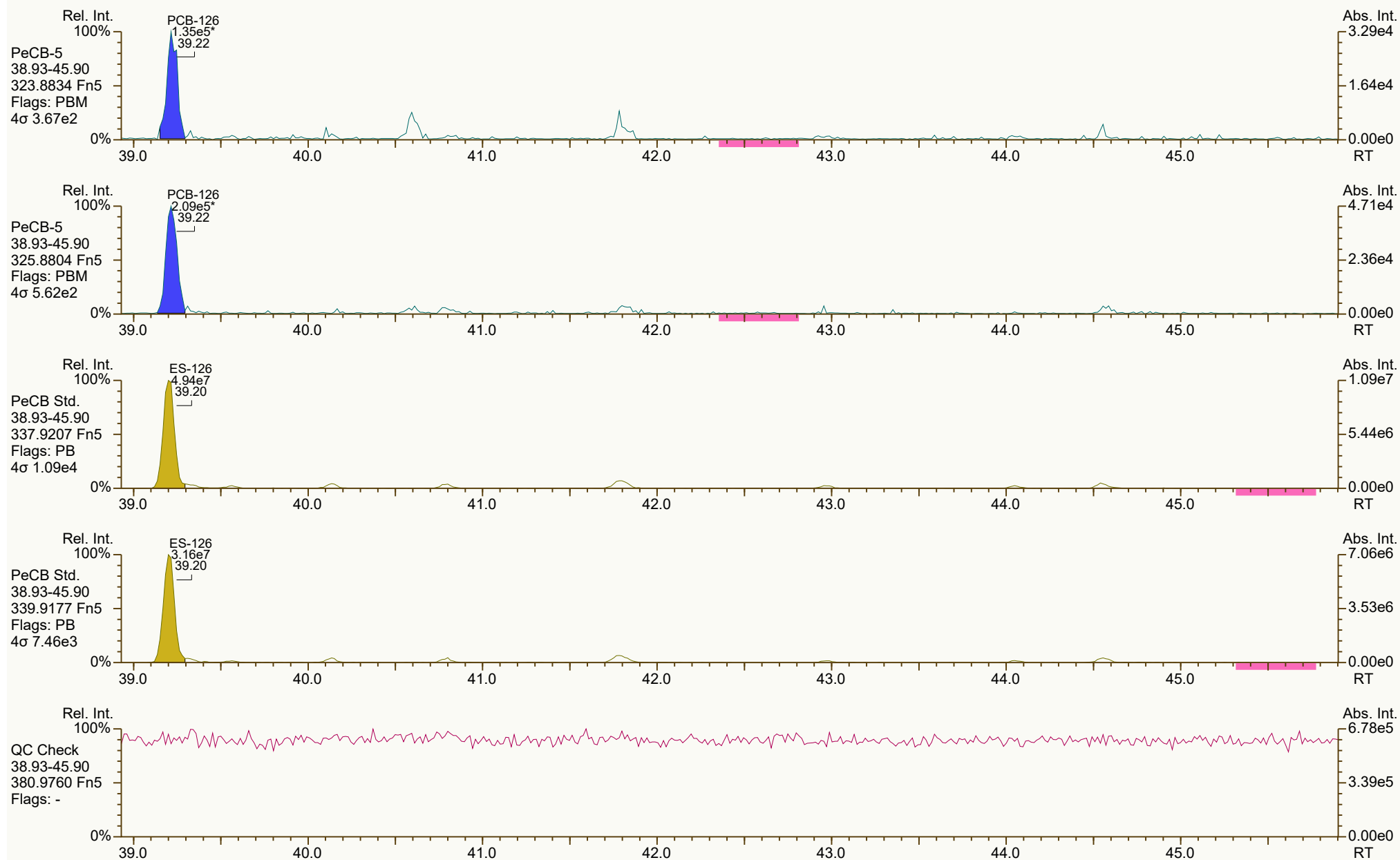
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1147, 7352 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 11 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0808, 9403 scc: 945-260

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:41 (JHL) Printed: 08-May-2024 10:42 Page 12 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



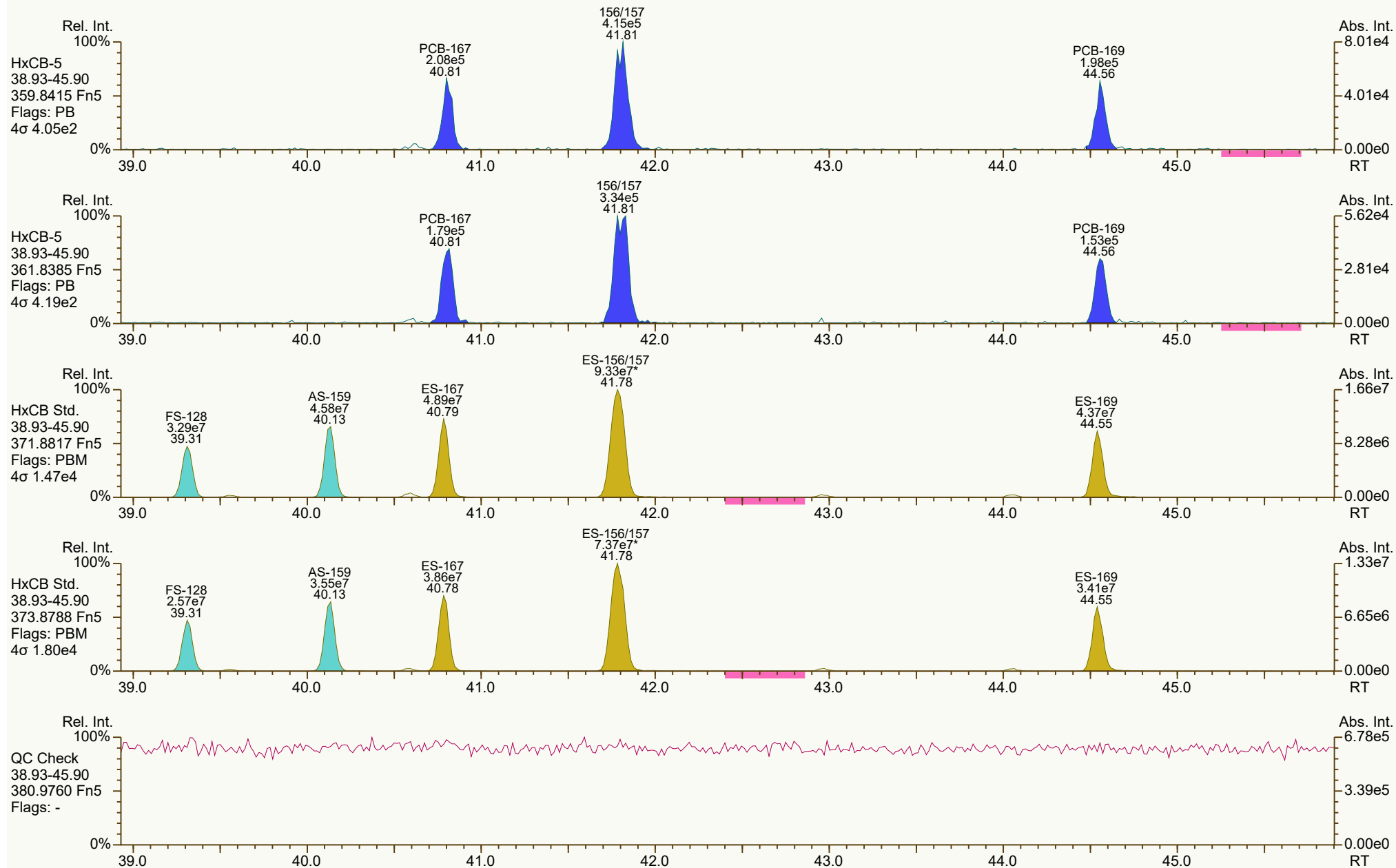
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6139, 7268 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 13 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8406, 6027 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 14 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7983, 5724 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 15 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



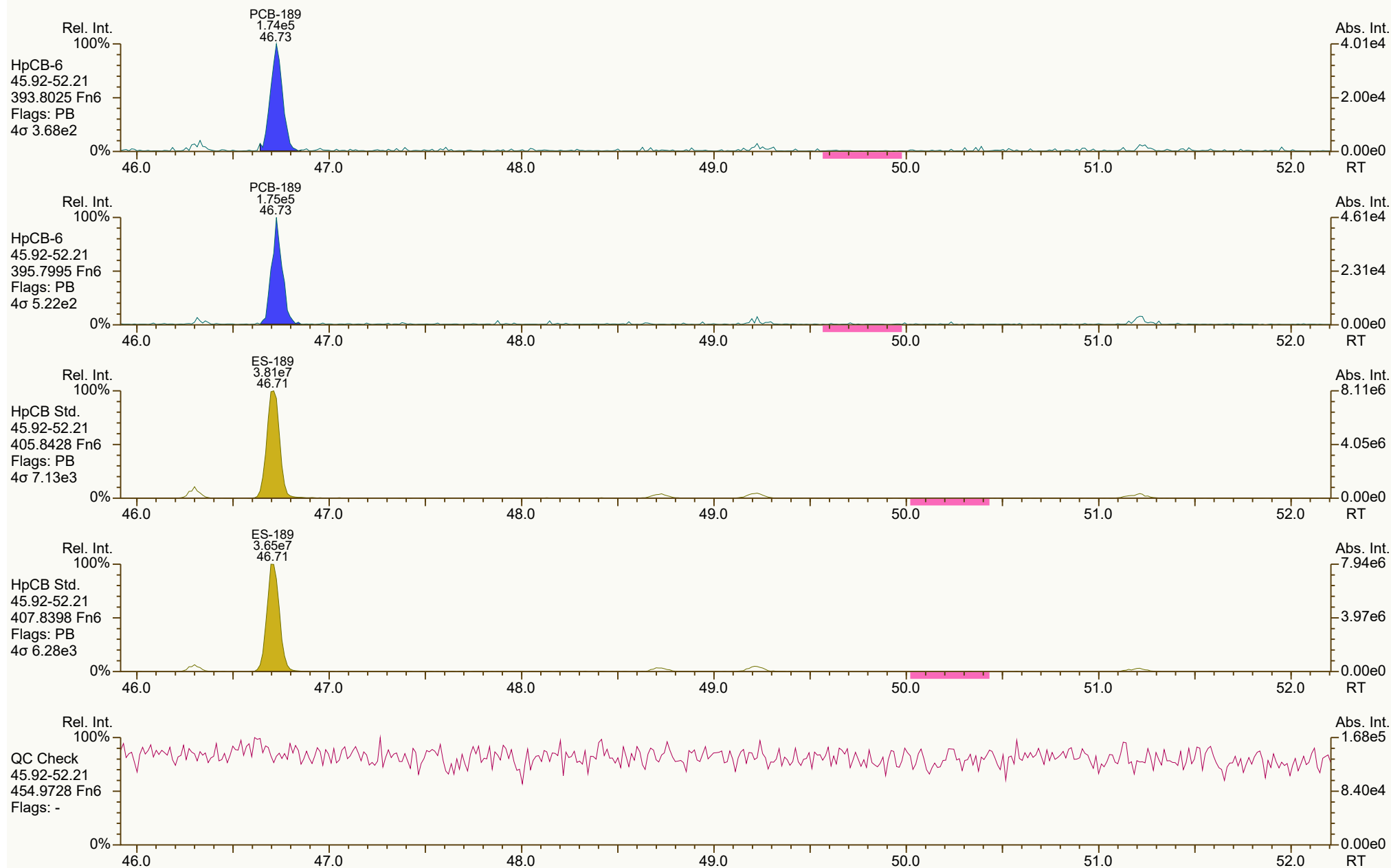
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5200, 2338 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 16 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9342, 6059 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 17 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



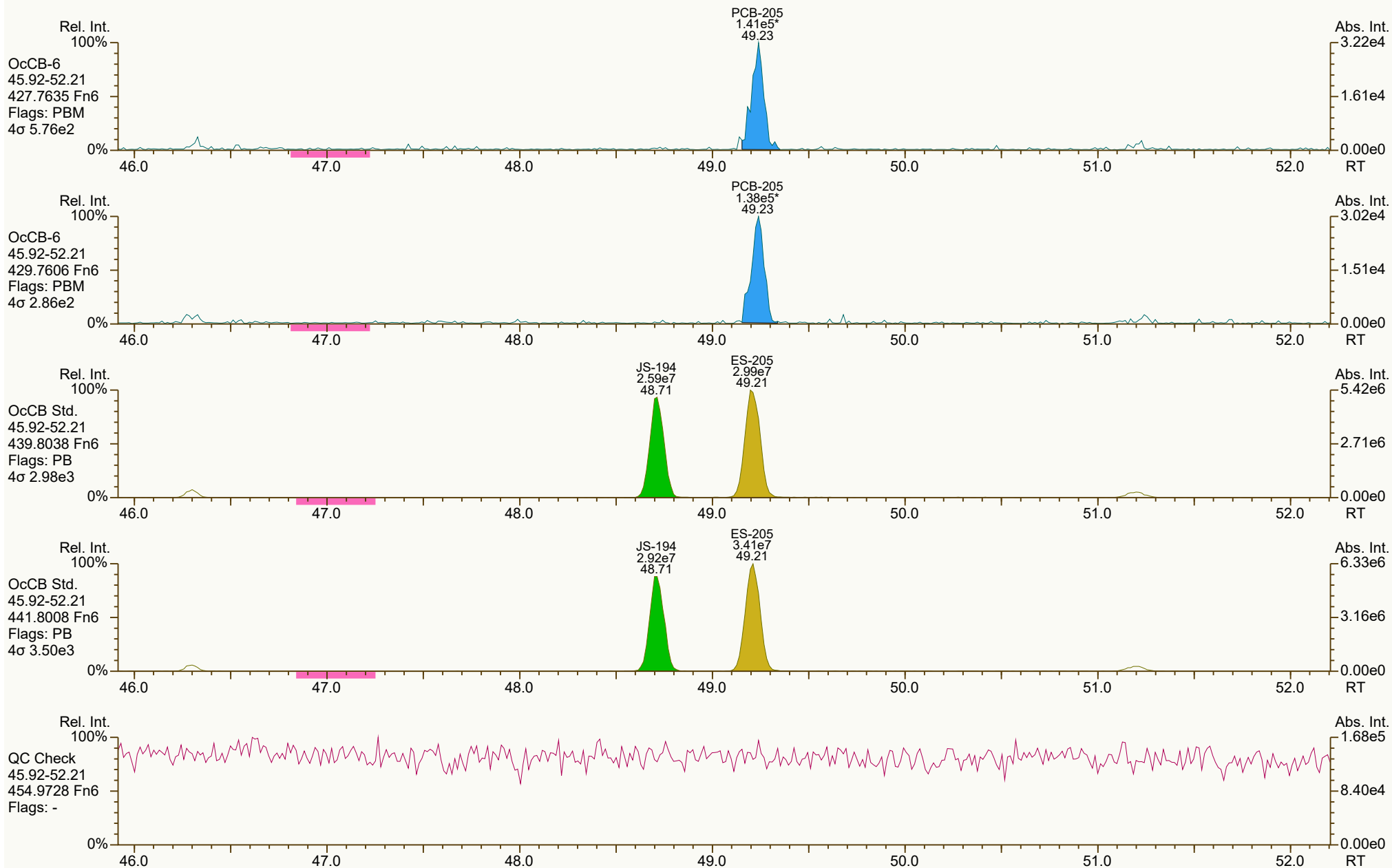
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1549, 4579 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 18 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



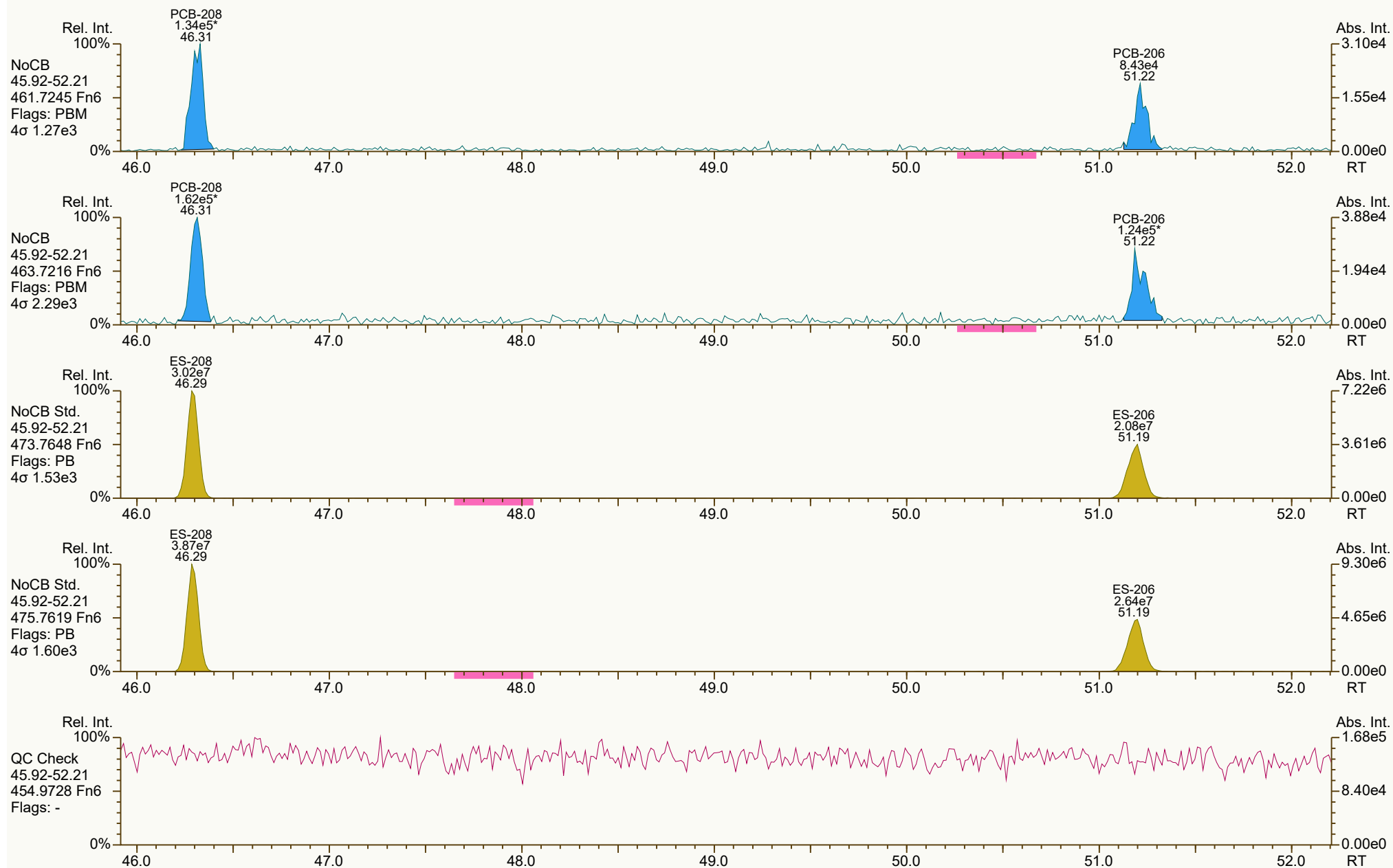
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0809, 7790 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 19 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



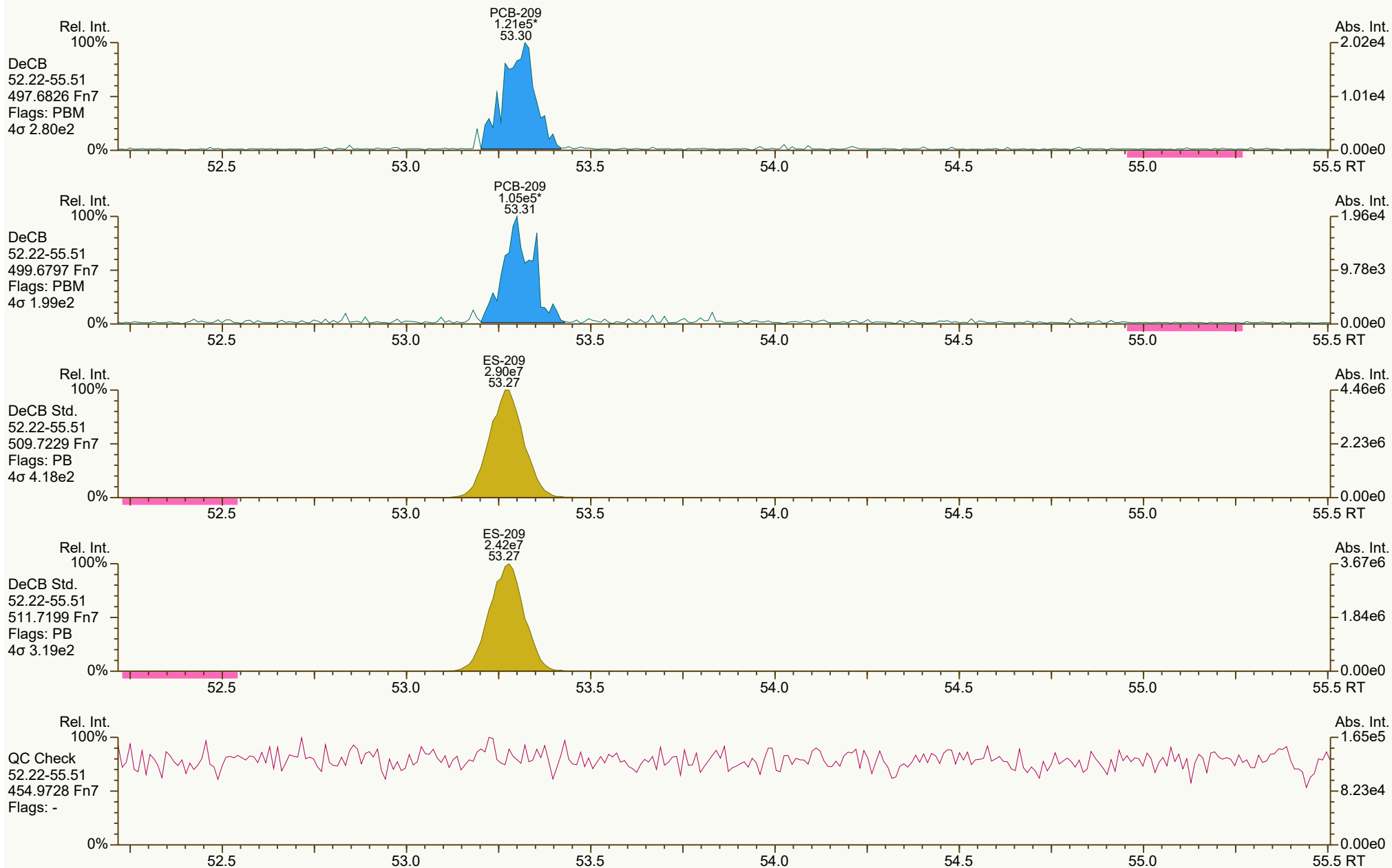
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9339, 2491 scc: 945-260

Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 20 of 21

SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS0_240503_PCB_BB.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6080, 5810 scc: 945-260

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:40 (JHL) Printed: 08-May-2024 10:42 Page 21 of 21

PCB QC Summary

SGS North America

Printed: 8-May-2024 10:56

Lab ID: CS1_240503_PCB_BA
 Acquired: 3-May-24 08:46:39
 Datafile: 240503B04

ICAL: HRMS2_PCB_03MAY2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.55	7.05E+05	0.81 Y	0.95	0.84	-11.1%
PCB-81 344'5'-TeCB	33.06	7.52E+05	0.79 Y	0.94	0.86	-8.9%
PCB-105 233'44'-PeCB	36.58	6.19E+05	0.62 Y	0.97	0.88	-9.1%
PCB-114 2344'5'-PeCB	36.02	6.23E+05	0.68 Y	0.96	0.84	-12.2%
PCB-118 23'44'5'-PeCB	35.55	6.85E+05	0.62 Y	0.99	0.92	-6.4%
PCB-123 23'44'5'-PeCB	35.27	6.21E+05	0.56 Y	0.96	0.87	-9.3%
PCB-126 33'44'5'-PeCB	39.22	5.82E+05	0.62 Y	0.96	0.90	-6.9%
PCB-156/157 ...-HxCB	41.81	1.11E+06	1.24 Y	0.96	0.83	-13.2%
PCB-167 23'44'55'-HxCB	40.81	5.82E+05	1.22 Y	0.94	0.83	-11.3%
PCB-169 33'44'55'-HxCB	44.57	5.22E+05	1.24 Y	0.97	0.86	-11.4%
PCB-189 233'44'55'-HpCB	46.74	3.99E+05	0.98 Y	0.93	0.73	-21.5%
PCB-209 DeCB	53.31	3.73E+05	1.17 Y	0.95	0.90	-5.7%
ES PCB-1	12.20	1.31E+08	3.03 Y	1.19	1.10	-7.6%
ES PCB-3	14.55	1.25E+08	3.09 Y	1.13	1.05	-6.7%
ES PCB-4	14.81	8.23E+07	1.57 Y	0.72	0.69	-4.4%
ES PCB-15	20.66	1.24E+08	1.60 Y	1.07	1.05	-2.5%
ES PCB-19	17.98	7.51E+07	1.05 Y	0.65	0.63	-2.7%
ES PCB-37	27.10	9.42E+07	1.09 Y	1.40	1.32	-5.5%
ES PCB-54	20.95	8.08E+07	0.76 Y	1.23	1.14	-8.0%
ES PCB-77	33.53	8.36E+07	0.83 Y	1.28	1.18	-8.2%
ES PCB-81	33.04	8.75E+07	0.81 Y	1.33	1.23	-7.4%
ES PCB-104	26.01	7.68E+07	1.54 Y	1.32	1.28	-2.6%
ES PCB-105	36.55	7.03E+07	1.58 Y	1.26	1.17	-6.6%
ES PCB-114	36.00	7.38E+07	1.61 Y	1.34	1.23	-8.3%
ES PCB-118	35.53	7.40E+07	1.64 Y	1.31	1.24	-5.7%
ES PCB-123	35.24	7.13E+07	1.62 Y	1.27	1.19	-6.1%
ES PCB-126	39.21	6.48E+07	1.62 Y	1.19	1.08	-8.9%
ES PCB-153	37.14	6.36E+07	1.29 Y	1.11	1.15	3.1%
ES PCB-155	31.04	8.28E+07	1.28 Y	1.45	1.49	2.9%
ES PCB-156/157	41.79	1.34E+08	1.27 Y	1.24	1.21	-2.7%
ES PCB-167	40.79	7.00E+07	1.27 Y	1.29	1.26	-2.0%
ES PCB-169	44.55	6.08E+07	1.30 Y	1.18	1.10	-7.1%
ES PCB-170	44.05	4.64E+07	1.07 Y	1.06	1.09	3.2%
ES PCB-180	42.96	5.52E+07	1.10 Y	1.25	1.30	3.8%
ES PCB-188	35.99	7.47E+07	1.04 Y	1.36	1.35	-1.1%
ES PCB-189	46.72	5.49E+07	1.03 Y	1.37	1.29	-5.8%
ES PCB-202	40.59	6.68E+07	0.89 Y	1.19	1.20	1.0%
ES PCB-205	49.22	5.20E+07	0.89 Y	1.23	1.22	-0.6%
ES PCB-206	51.20	3.74E+07	0.78 Y	0.89	0.88	-0.9%
ES PCB-208	46.30	5.41E+07	0.78 Y	1.26	1.27	1.3%
ES PCB-209	53.28	4.15E+07	1.19 Y	0.98	0.98	-0.7%

PCB QC Summary		SGS North America			Printed: 8-May-2024 10:56	
Lab ID:	CS1_240503_PCB_BA			ICAL: HRMS2_PCB_03MAY2024		
Acquired:	3-May-24 08:46:39					
Datafile:	240503B04					
Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	23.48	1.02E+08	1.06 Y	1.04	1.08	4.2%
SS PCB-111	33.54	7.06E+07	1.57 Y	0.98	0.99	0.7%
SS PCB-178	38.59	5.43E+07	1.06 Y	0.71	0.73	2.6%
CS PCB-28	23.48	1.02E+08	1.06 Y	1.44	1.43	-0.9%
CS PCB-111	33.54	7.06E+07	1.57 Y	1.24	1.18	-5.0%
CS PCB-178	38.59	5.43E+07	1.06 Y	0.96	0.98	1.6%
JS PCB-9	16.84	1.19E+08	1.59 Y	-	-	-
JS PCB-52	25.13	7.11E+07	0.80 Y	-	-	-
JS PCB-101	31.21	5.99E+07	1.59 Y	-	-	-
JS PCB-138	38.22	5.55E+07	1.25 Y	-	-	-
JS PCB-194	48.72	4.25E+07	0.93 Y	-	-	-
PCB-1 2-MoCB	12.21	1.29E+06	2.95 Y	1.01	0.99	-1.7%
PCB-3 4-MoCB	14.57	1.18E+06	3.27 Y	1.01	0.94	-7.6%
PCB-4 22'-DiCB	14.83	7.33E+05	1.62 Y	0.98	0.89	-9.4%
PCB-15 44'-DiCB	20.68	1.06E+06	1.60 Y	0.97	0.86	-11.4%
PCB-19 22'6-TrCB	17.99	6.91E+05	1.17 Y	1.03	0.92	-11.1%
PCB-37 344'-TrCB	27.12	9.05E+05	1.00 Y	1.03	0.96	-6.9%
PCB-54 22'66'-TeCB	20.97	7.62E+05	0.74 Y	1.09	0.94	-13.3%
PCB-104 22'466'-PeCB	26.04	6.69E+05	0.59 Y	1.00	0.87	-13.0%
PCB-155 22'44'66'-HxCB	31.07	7.53E+05	1.21 Y	0.95	0.91	-4.7%
PCB-188 22'34'566'-HpCB	36.01	6.32E+05	1.03 Y	0.96	0.85	-12.2%
PCB-202 22'33'55'66'-OcCB	40.61	5.68E+05	0.80 Y	0.96	0.85	-11.0%
PCB-205 233'44'55'6-OcCB	49.24	4.19E+05	0.93 Y	0.92	0.80	-12.7%
PCB-208 22'33'455'66'-NoCB	46.32	4.63E+05	0.80 Y	0.96	0.86	-10.8%
PCB-206 22'33'44'55'6-NoCB	51.23	3.19E+05	0.79 Y	0.93	0.85	-7.9%
FS PCB-8	17.68	1.15E+08	1.60 Y	0.91	0.92	1.0%
FS PCB-31	23.204	1.03E+08	1.05 Y	1.06	1.09	3.1%
FS PCB-60	30.488	7.54E+07	0.80 Y	0.83	0.86	3.9%
FS PCB-85	32.807	5.03E+07	1.63 Y	0.69	0.70	2.1%
FS PCB-128	39.316	4.56E+07	1.26 Y	0.65	0.65	0.1%
FS PCB-182	39.556	5.10E+07	1.09 Y	0.91	0.92	1.0%

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



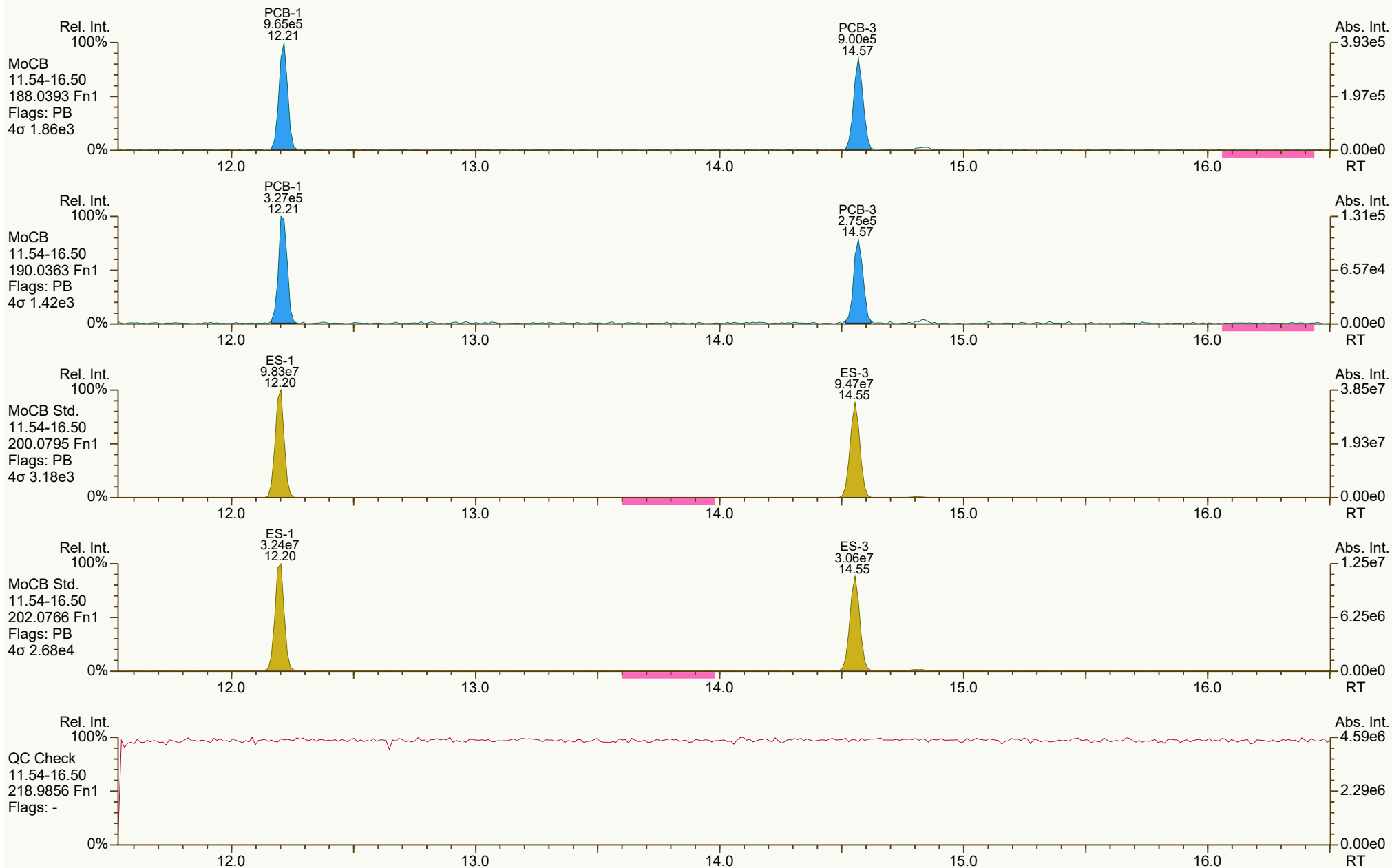
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 535-685

Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 10:42 Page 1 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5376, 5903 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 2 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



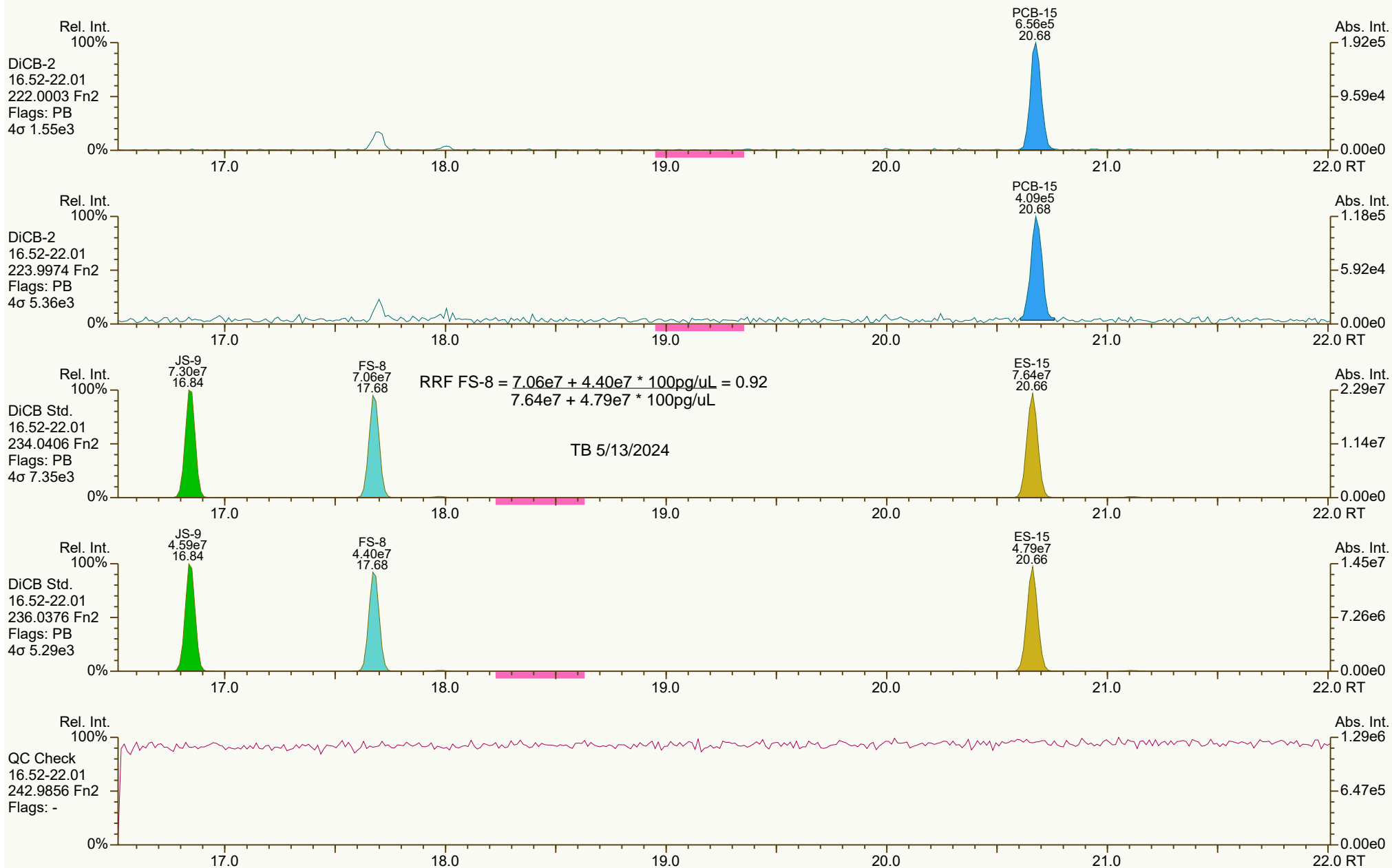
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0326, 6530 scc: 535-685

Peak annotation: Areas, Centroids
Revised: 03-May-2024 12:49 (JHL) Printed: 08-May-2024 10:42 Page 3 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



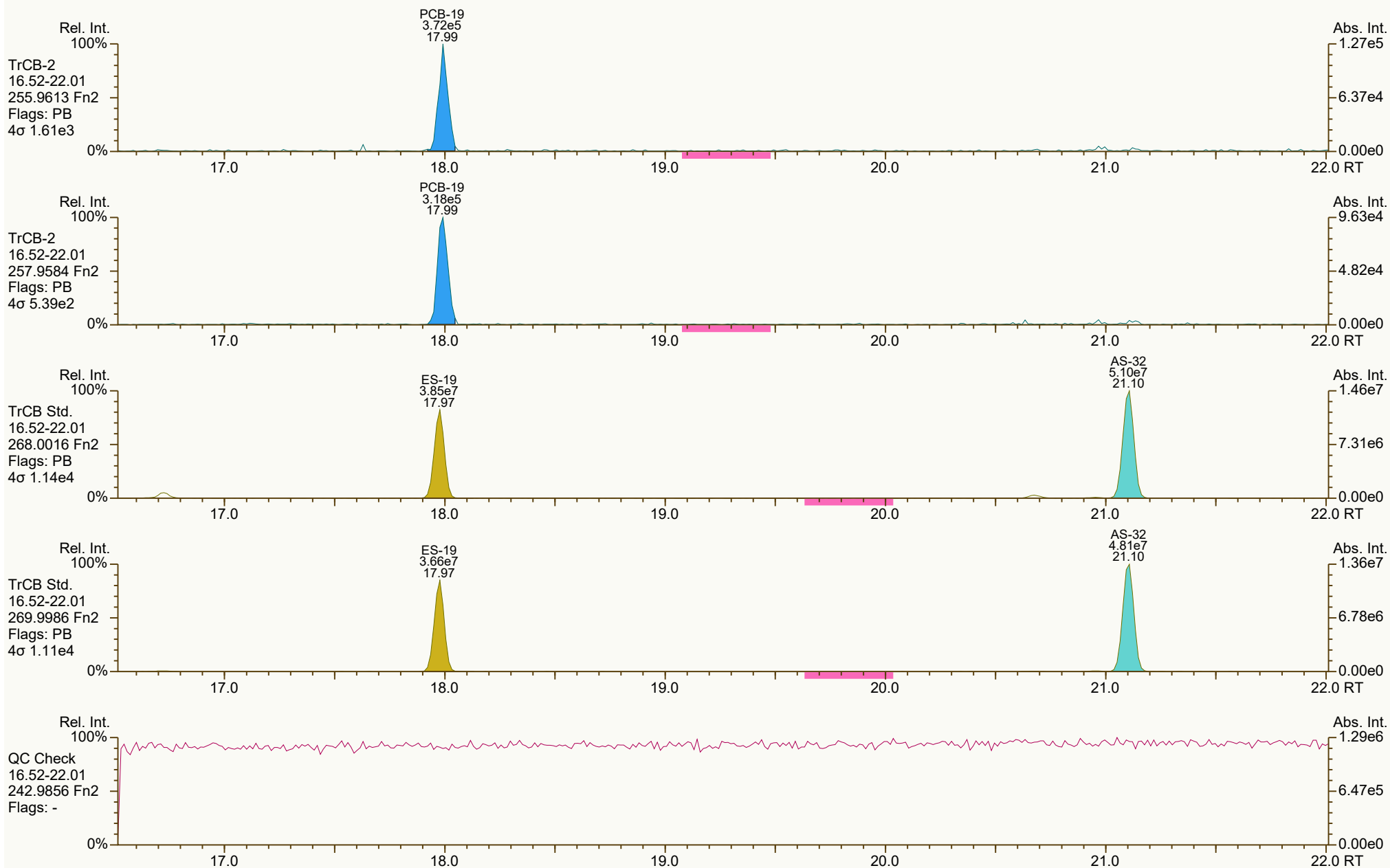
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5417, 6061 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 4 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8479, 2830 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 5 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



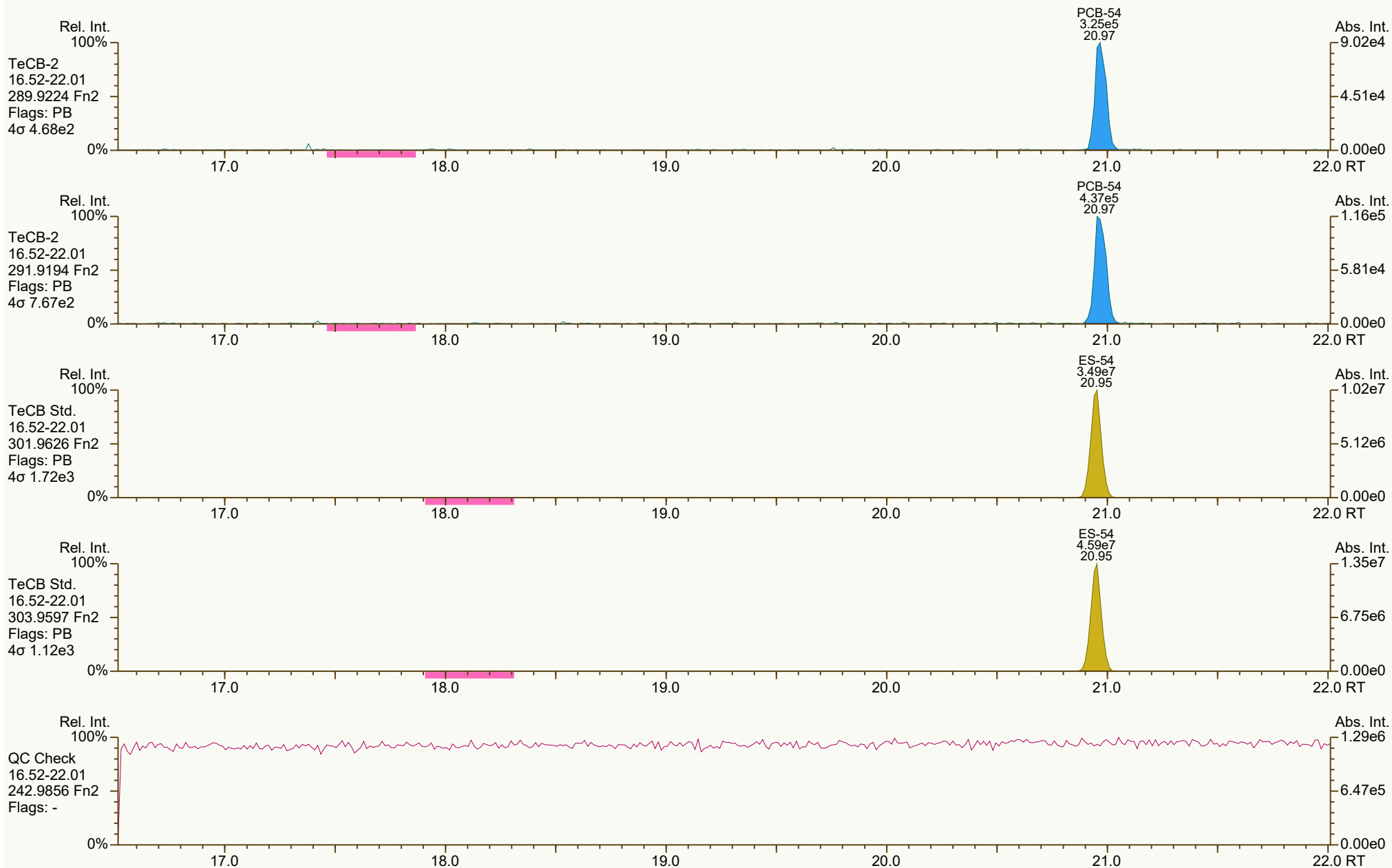
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1826, 1869 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 6 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2800, 1851 scc: 535-685

Peak annotation: Areas, Centroids
Revised: 03-May-2024 12:48 (JHL) Printed: 08-May-2024 10:42 Page 7 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

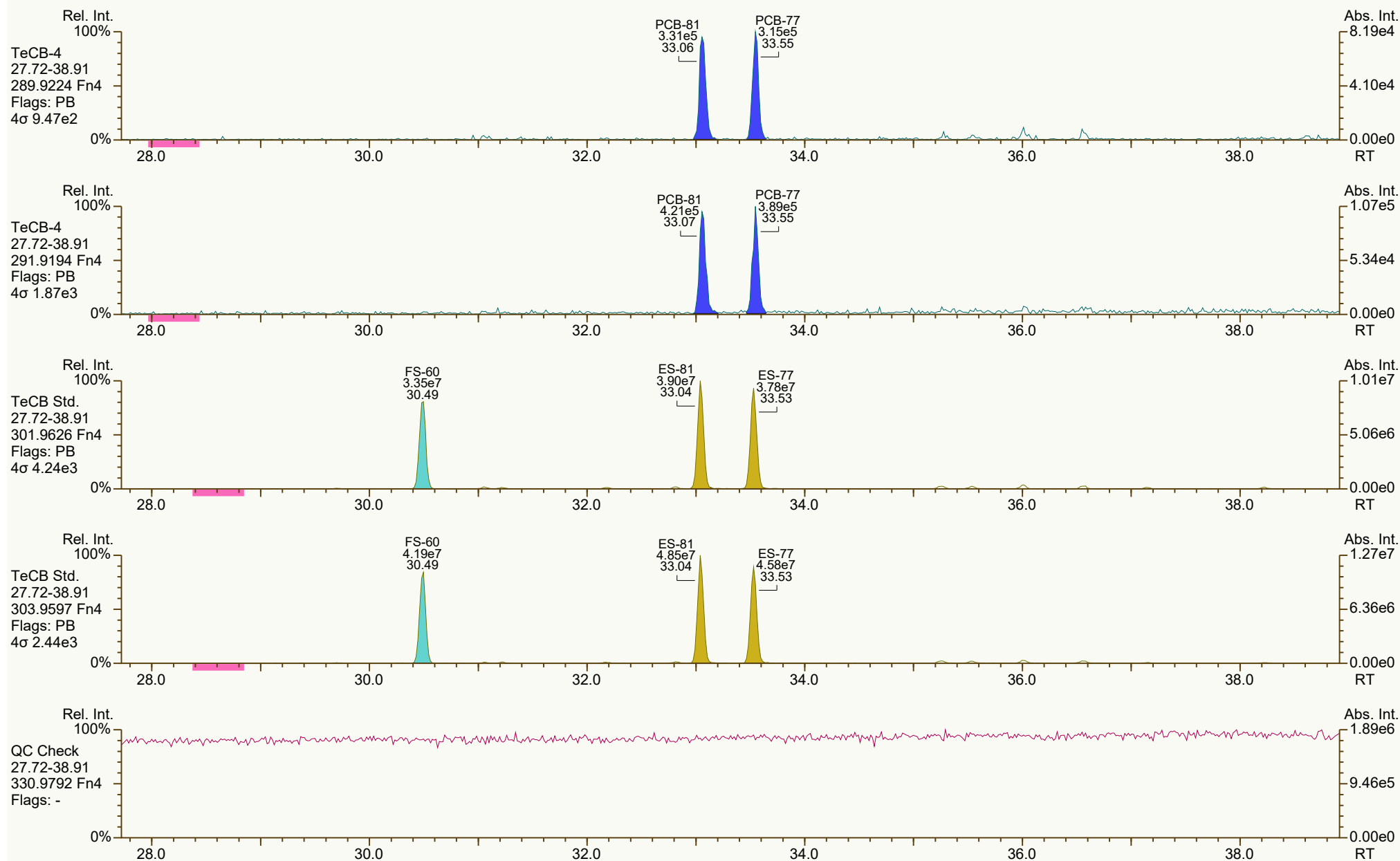
Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



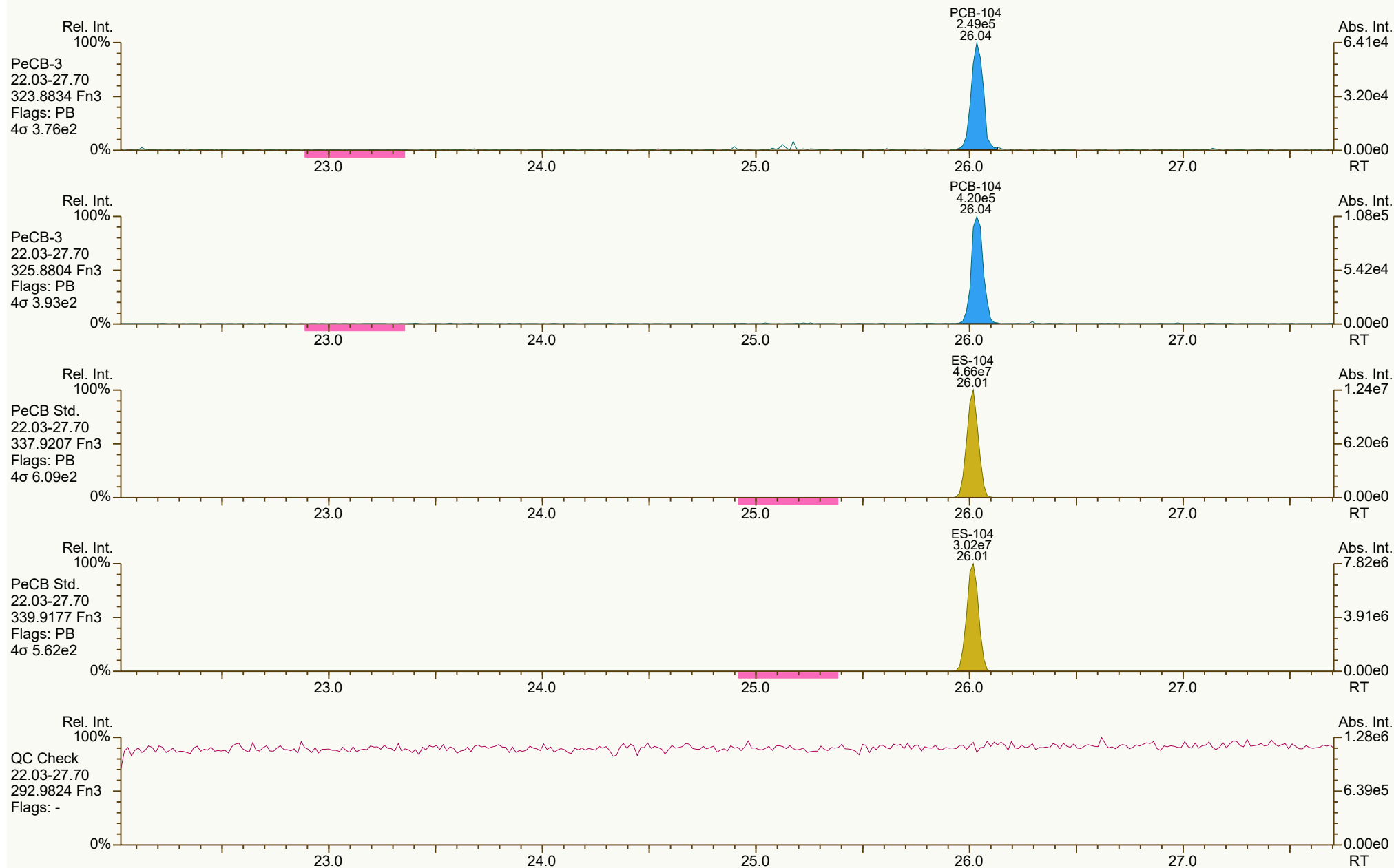
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9206, 8103 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 9 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



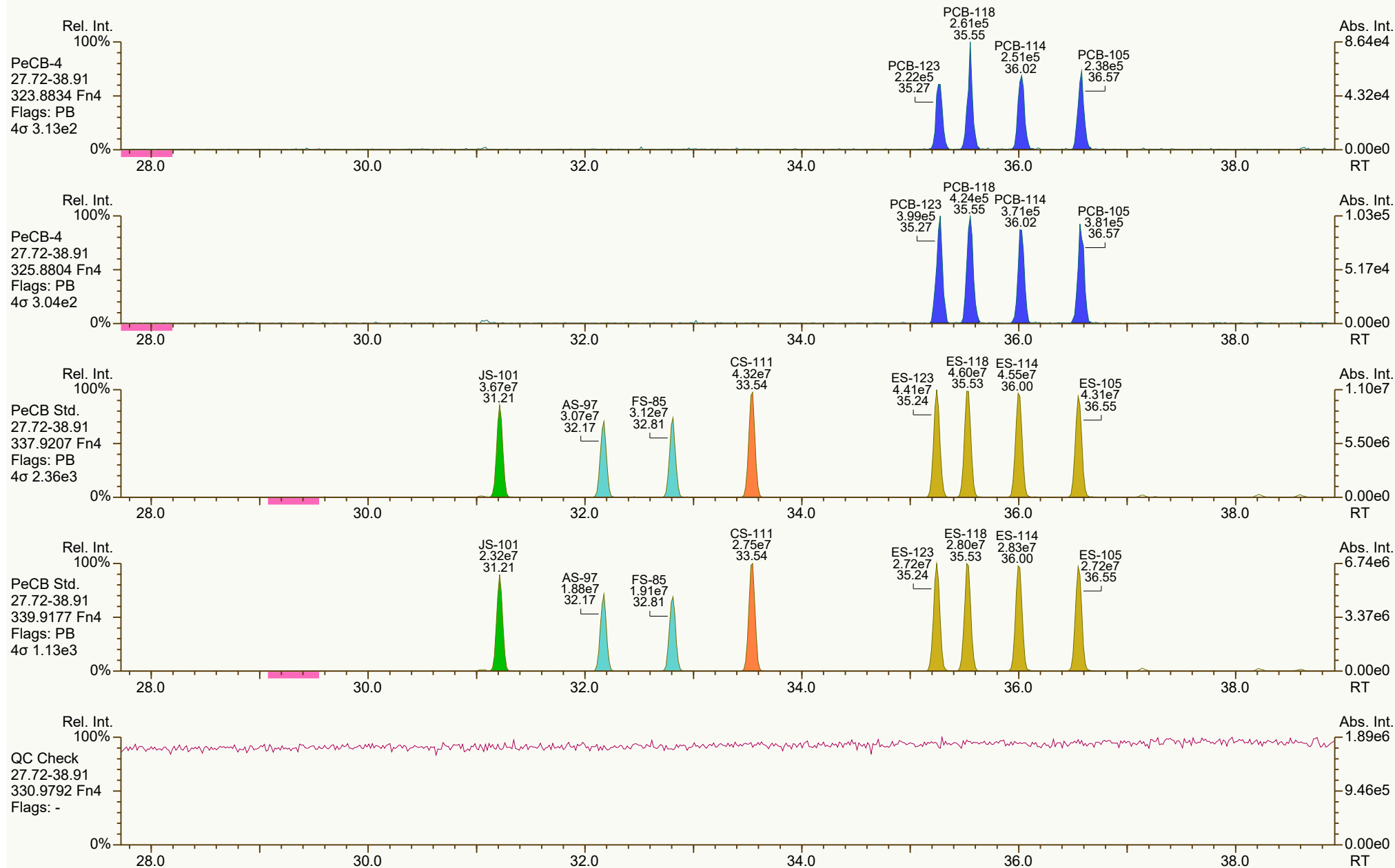
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9139, 5561 scc: 535-685

Peak annotation: Areas, Centroids
Revised: 03-May-2024 12:48 (JHL) Printed: 08-May-2024 10:42 Page 10 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6011, 8571 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 11 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0780, 7605 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 12 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



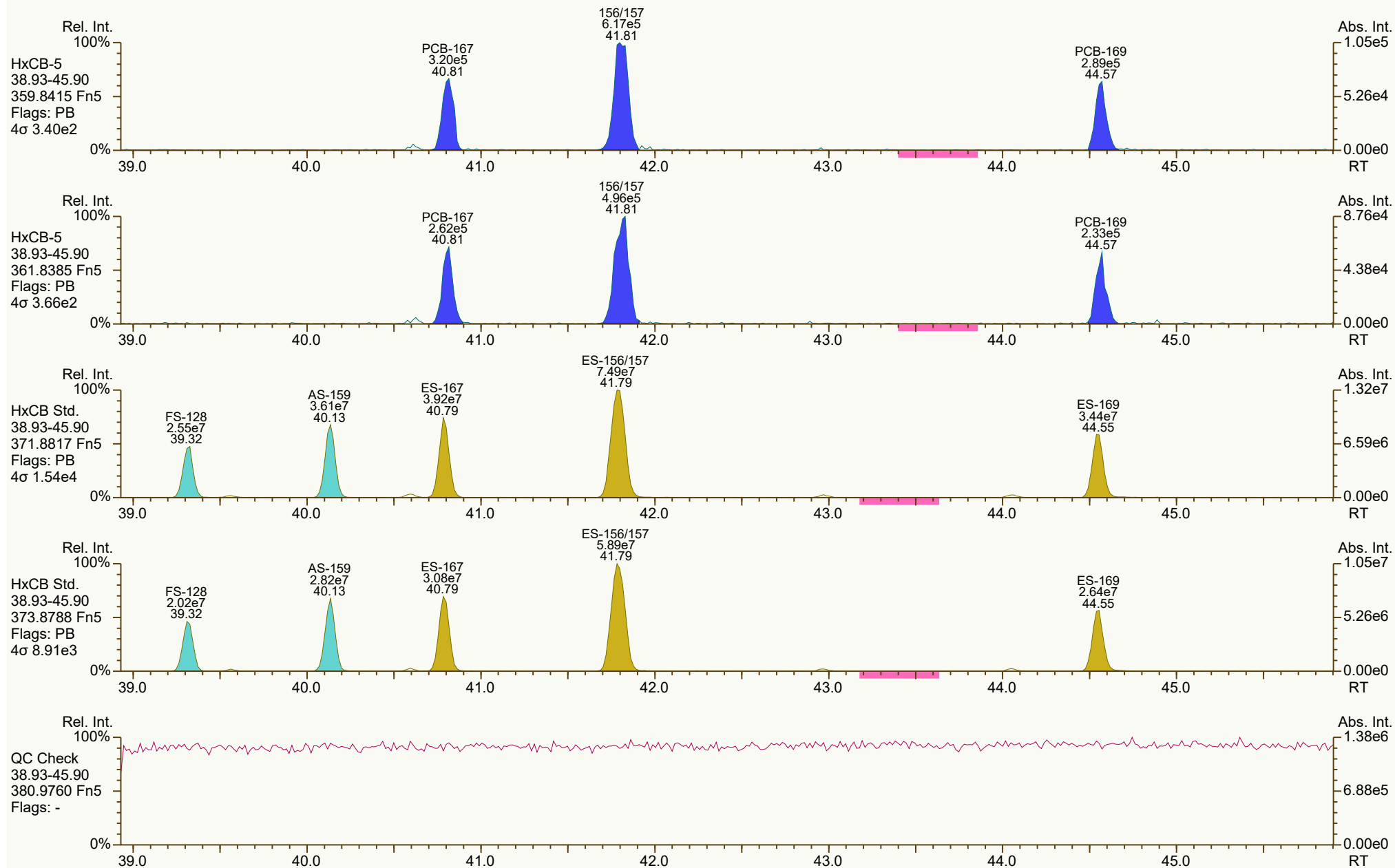
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9219, 1124 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 13 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



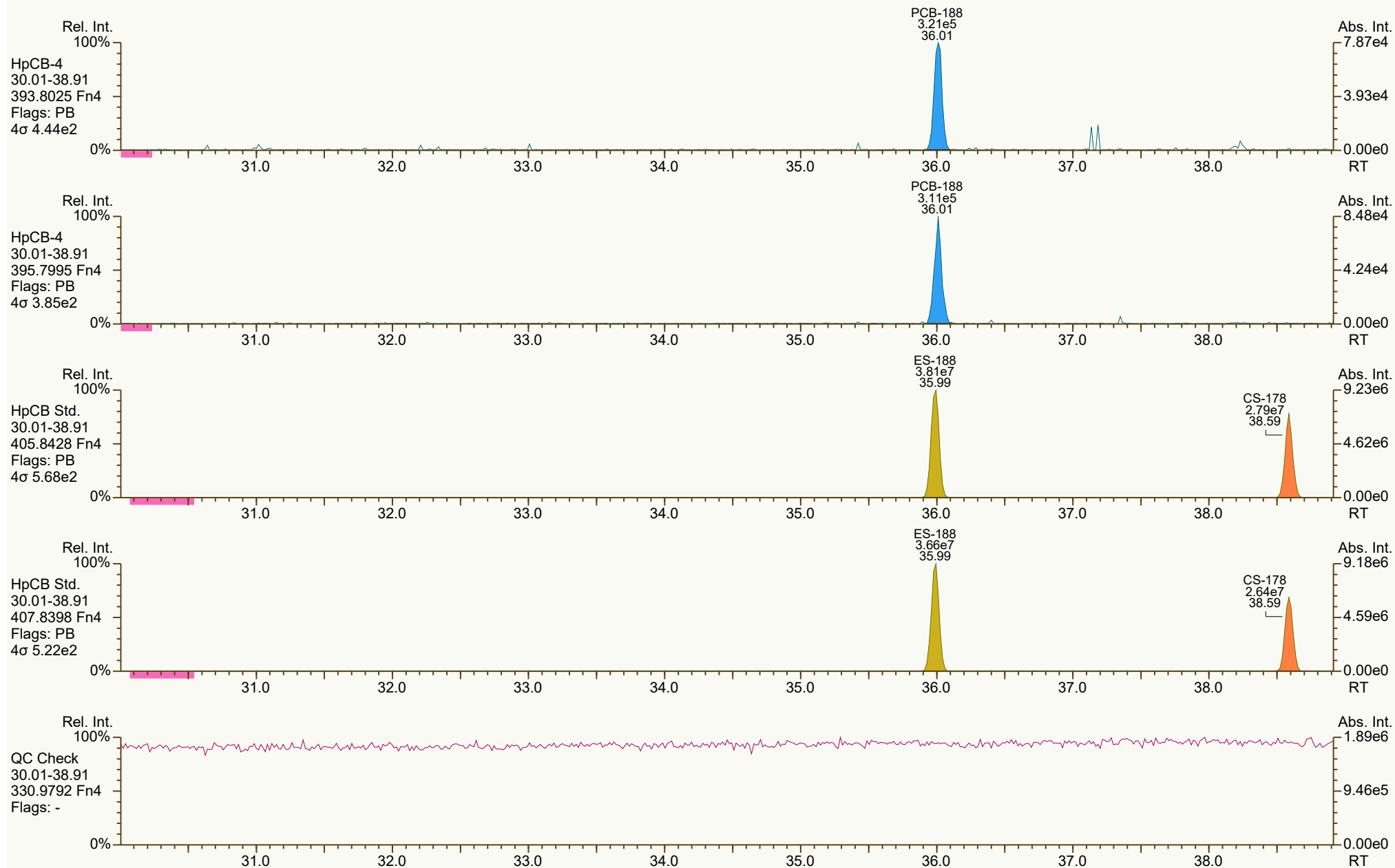
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4479, 3063 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 14 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8399, 4936 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 15 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



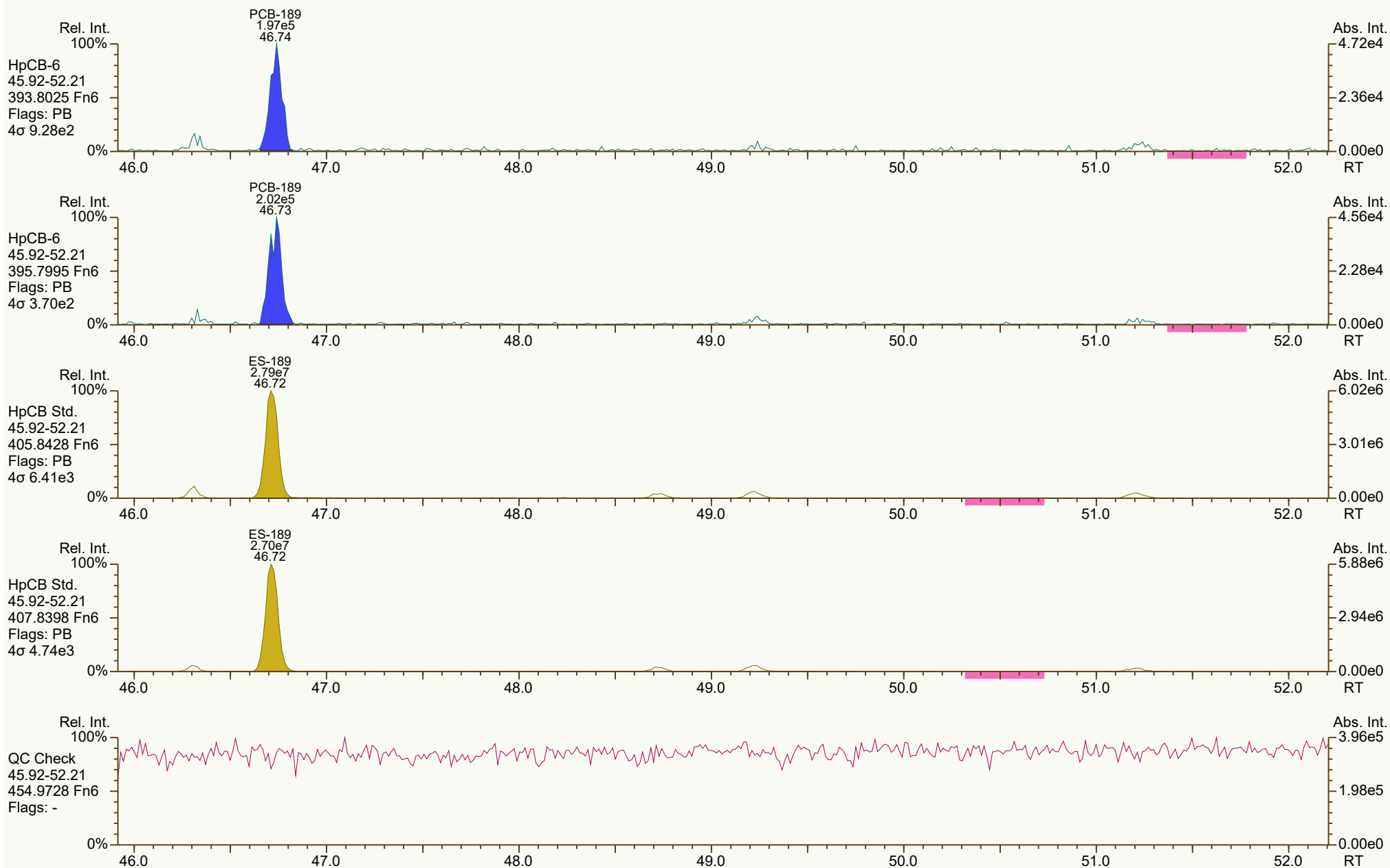
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1877, 2330 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 16 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



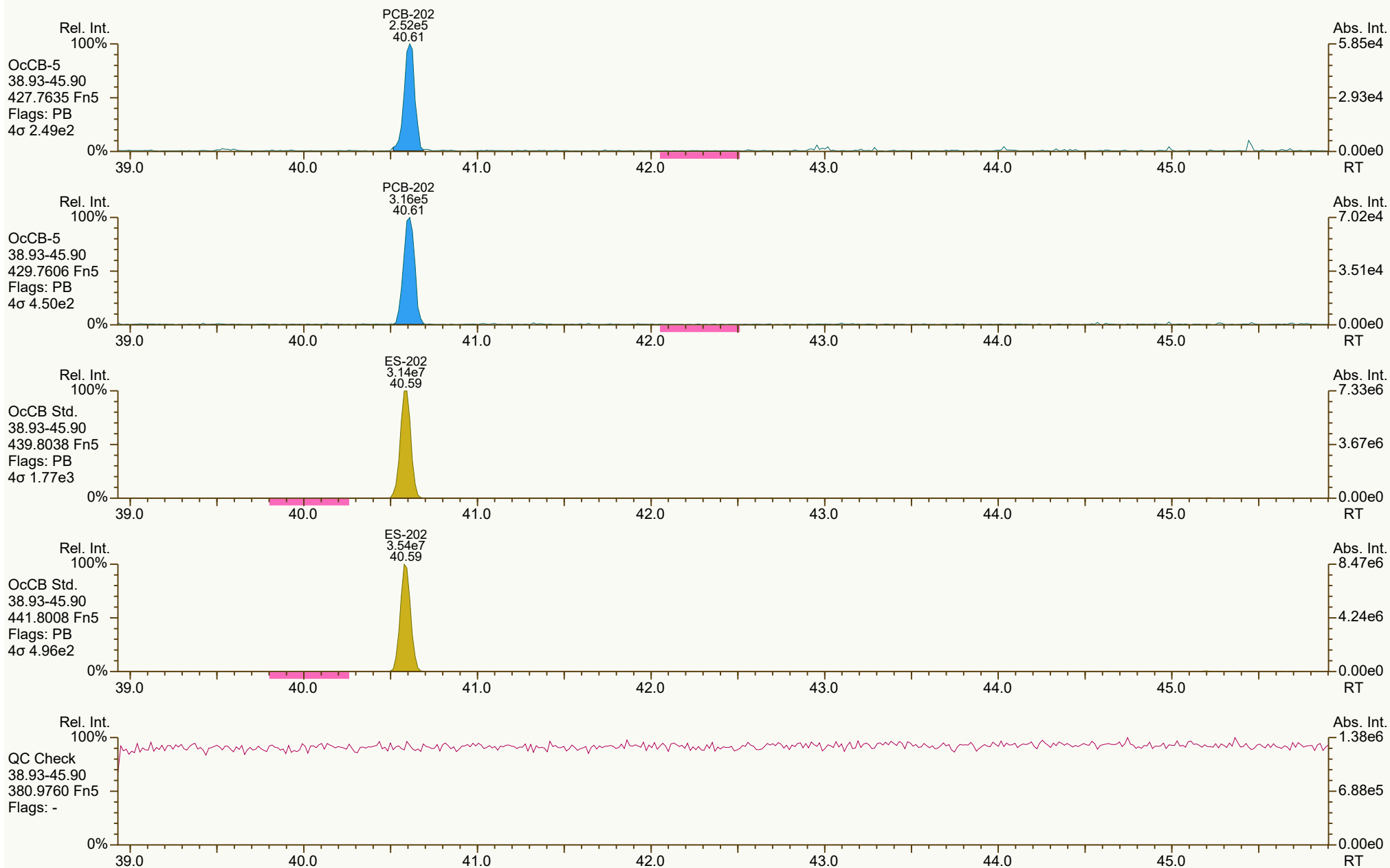
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8394, 7110 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 17 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



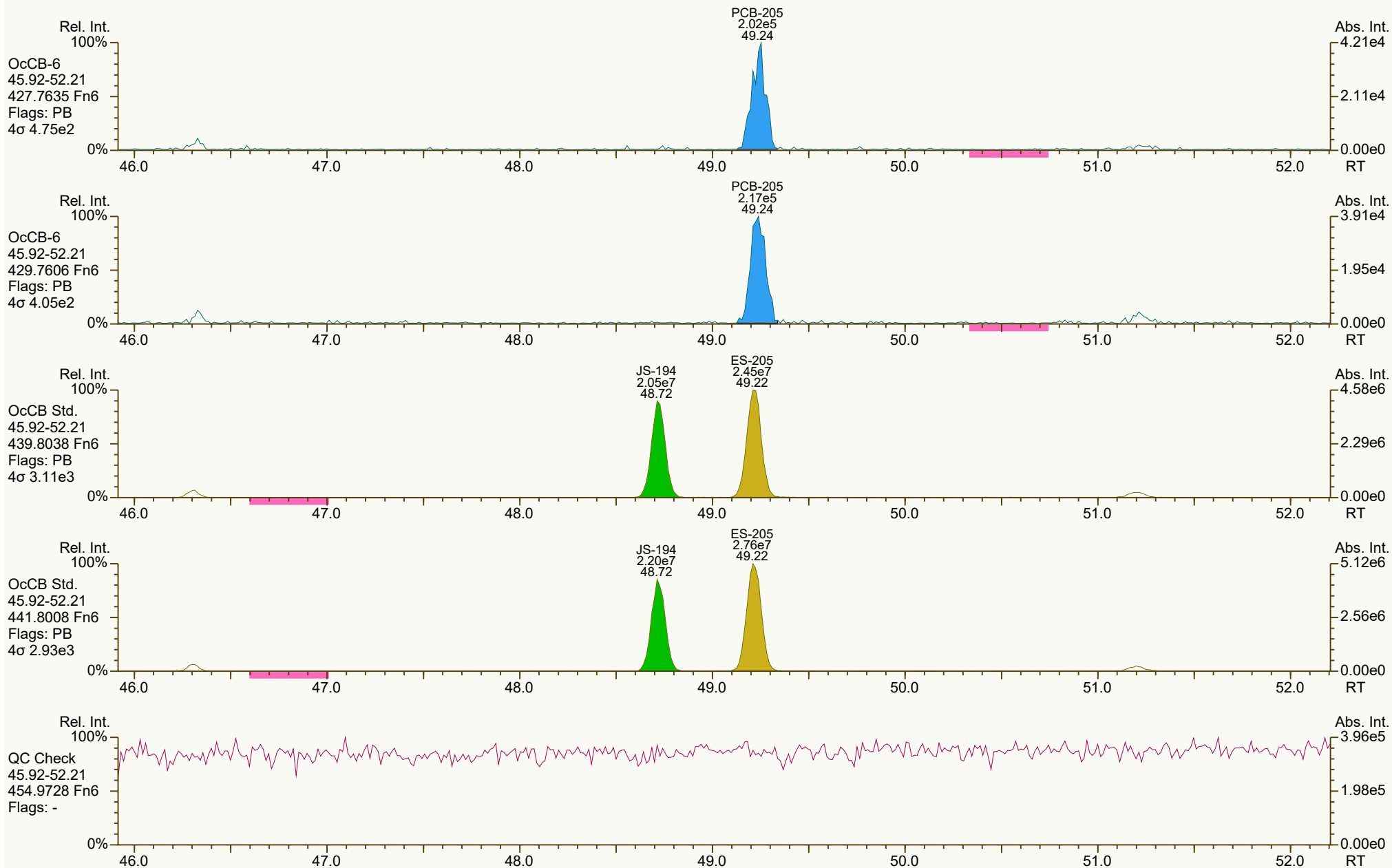
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2546, 5086 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 18 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



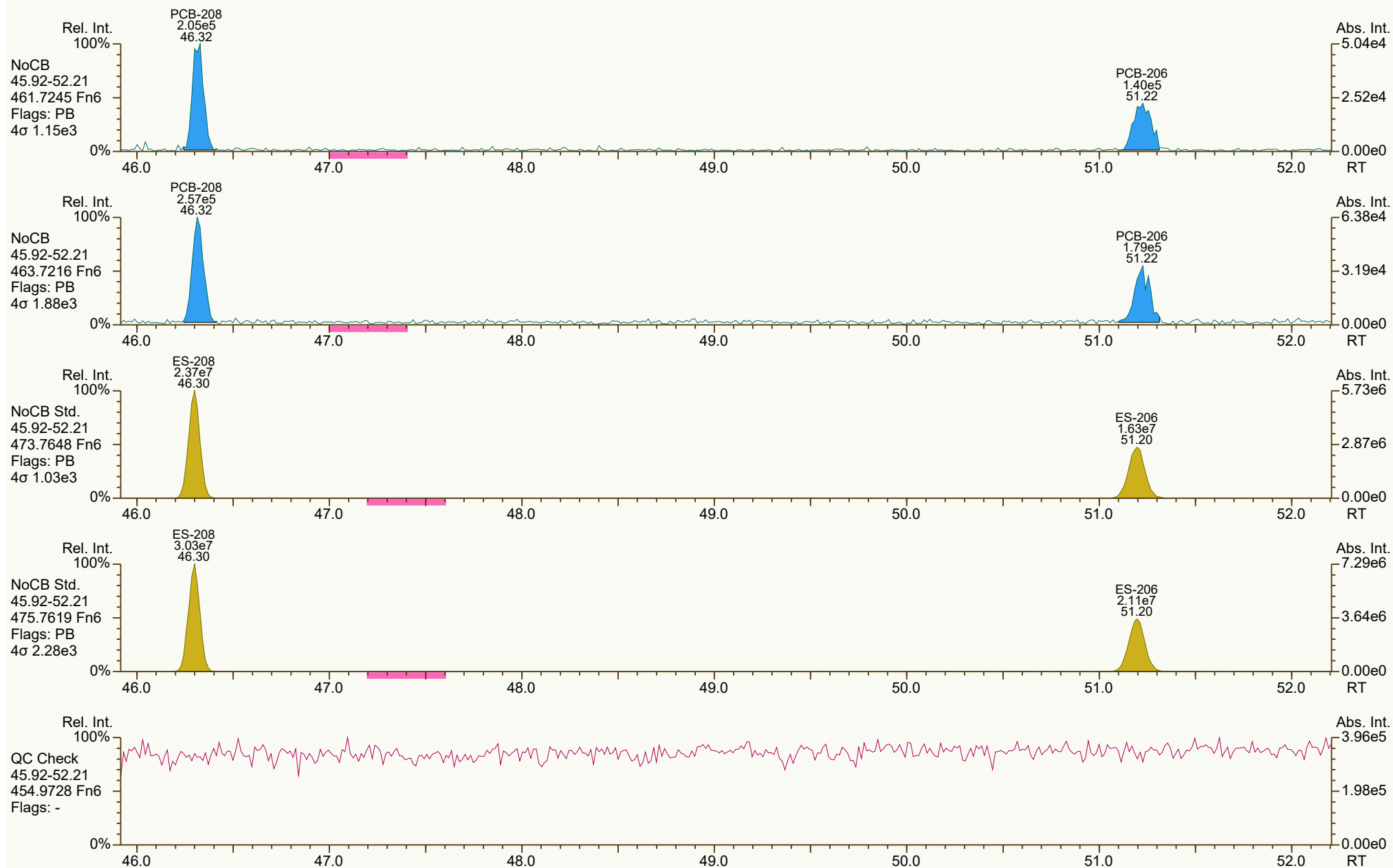
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7994, 9185 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:43 Page 19 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



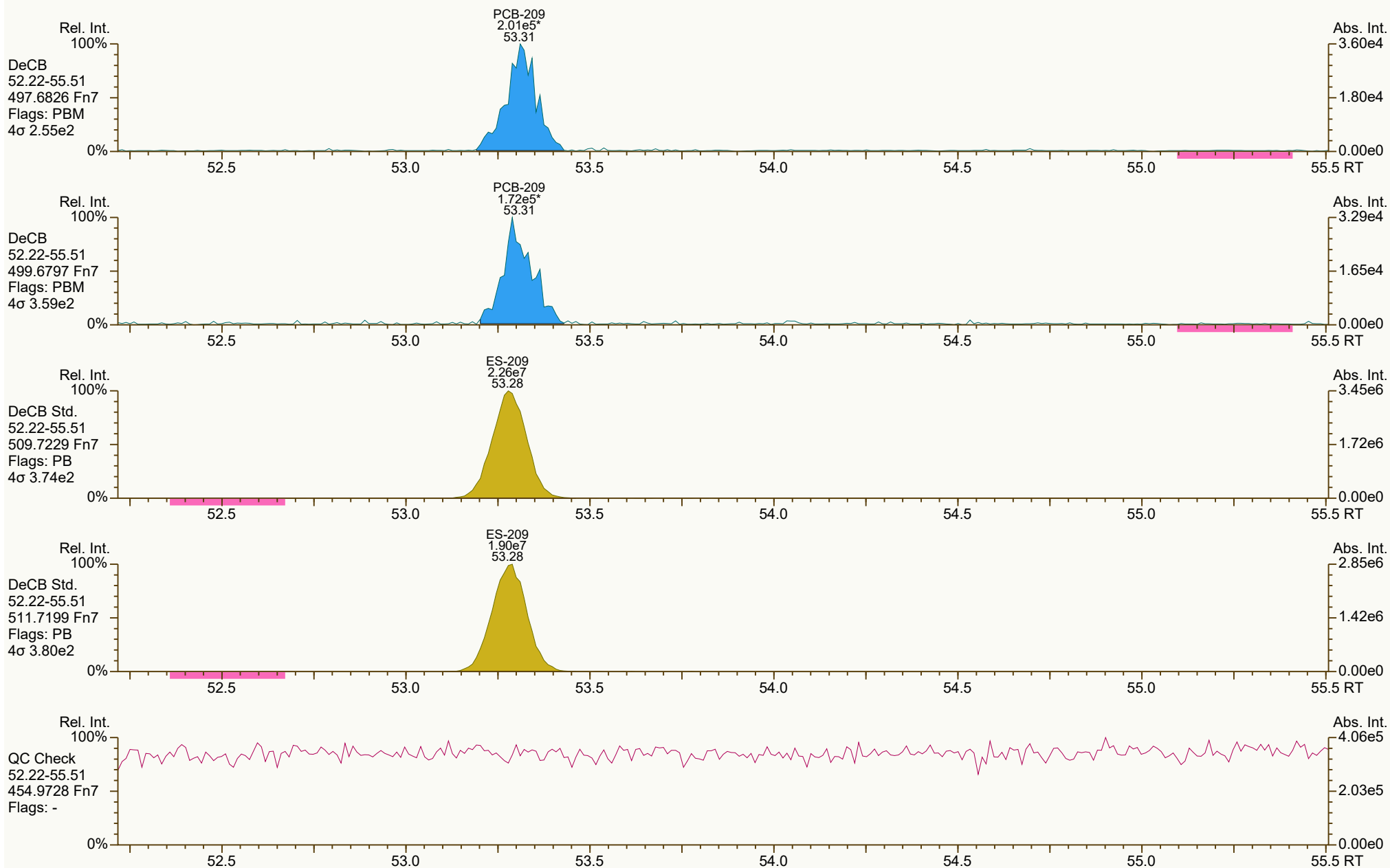
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6315, 0444 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:43 Page 20 of 21

SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 03-May-2024 08:46:39
User: PSW Datafile: 240503B04



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS1_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7390, 1591 scc: 535-685

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:43 Page 21 of 21

PCB QC Summary

SGS North America

Printed: 8-May-2024 10:56

Lab ID: CS2_240503_PCB_BA
 Acquired: 3-May-24 09:54:09
 Datafile: 240503B05

ICAL: HRMS2_PCB_03MAY2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.54	2.62E+06	0.75 Y	0.95	0.85	-10.5%
PCB-81 344'5'-TeCB	33.05	2.80E+06	0.73 Y	0.94	0.86	-8.9%
PCB-105 233'44'-PeCB	36.56	2.24E+06	0.61 Y	0.97	0.88	-9.6%
PCB-114 2344'5'-PeCB	36.01	2.30E+06	0.62 Y	0.96	0.84	-12.3%
PCB-118 23'44'5'-PeCB	35.54	2.44E+06	0.61 Y	0.99	0.92	-7.0%
PCB-123 23'44'5'-PeCB	35.26	2.31E+06	0.60 Y	0.96	0.89	-7.2%
PCB-126 33'44'5'-PeCB	39.22	2.10E+06	0.59 Y	0.96	0.87	-9.8%
PCB-156/157 ...-HxCB	41.80	4.36E+06	1.27 Y	0.96	0.88	-8.0%
PCB-167 23'44'55'-HxCB	40.80	2.20E+06	1.23 Y	0.94	0.85	-9.0%
PCB-169 33'44'55'-HxCB	44.56	2.13E+06	1.30 Y	0.97	0.91	-6.5%
PCB-189 233'44'55'-HpCB	46.72	1.91E+06	1.07 Y	0.93	0.86	-7.5%
PCB-209 DeCB	53.30	1.37E+06	1.20 Y	0.95	0.90	-5.0%
ES PCB-1	12.19	9.72E+07	3.10 Y	1.19	1.12	-5.6%
ES PCB-3	14.54	9.19E+07	3.06 Y	1.13	1.06	-6.0%
ES PCB-4	14.80	5.97E+07	1.58 Y	0.72	0.69	-4.8%
ES PCB-15	20.65	9.21E+07	1.61 Y	1.07	1.06	-0.7%
ES PCB-19	17.96	5.51E+07	1.05 Y	0.65	0.64	-1.9%
ES PCB-37	27.09	7.04E+07	1.07 Y	1.40	1.39	-0.9%
ES PCB-54	20.94	5.92E+07	0.75 Y	1.23	1.17	-5.4%
ES PCB-77	33.52	6.18E+07	0.80 Y	1.28	1.22	-4.8%
ES PCB-81	33.03	6.51E+07	0.81 Y	1.33	1.28	-3.4%
ES PCB-104	26.00	5.46E+07	1.56 Y	1.32	1.27	-3.8%
ES PCB-105	36.54	5.10E+07	1.62 Y	1.26	1.18	-5.8%
ES PCB-114	35.99	5.45E+07	1.63 Y	1.34	1.26	-5.9%
ES PCB-118	35.52	5.32E+07	1.62 Y	1.31	1.23	-5.9%
ES PCB-123	35.23	5.19E+07	1.59 Y	1.27	1.20	-5.0%
ES PCB-126	39.20	4.82E+07	1.61 Y	1.19	1.12	-5.8%
ES PCB-153	37.12	4.63E+07	1.26 Y	1.11	1.14	2.6%
ES PCB-155	31.03	6.02E+07	1.27 Y	1.45	1.48	2.2%
ES PCB-156/157	41.78	9.87E+07	1.29 Y	1.24	1.22	-1.8%
ES PCB-167	40.78	5.16E+07	1.26 Y	1.29	1.27	-1.3%
ES PCB-169	44.54	4.70E+07	1.26 Y	1.18	1.16	-1.9%
ES PCB-170	44.04	3.42E+07	1.07 Y	1.06	1.07	0.7%
ES PCB-180	42.95	4.05E+07	1.05 Y	1.25	1.26	0.7%
ES PCB-188	35.98	5.45E+07	1.10 Y	1.36	1.34	-1.4%
ES PCB-189	46.70	4.47E+07	1.05 Y	1.37	1.39	1.6%
ES PCB-202	40.57	4.75E+07	0.89 Y	1.19	1.17	-1.8%
ES PCB-205	49.20	3.89E+07	0.88 Y	1.23	1.21	-1.6%
ES PCB-206	51.18	2.86E+07	0.80 Y	0.89	0.89	0.2%
ES PCB-208	46.29	4.05E+07	0.79 Y	1.26	1.26	0.5%
ES PCB-209	53.27	3.02E+07	1.19 Y	0.98	0.94	-4.2%

PCB QC Summary

SGS North America

Printed: 8-May-2024 10:56

Lab ID: CS2_240503_PCB_BA
 Acquired: 3-May-24 09:54:09
 Datafile: 240503B05

ICAL: HRMS2_PCB_03MAY2024

Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	23.47	7.44E+07	1.05 Y	1.04	1.06	2.0%
SS PCB-111	33.53	5.16E+07	1.61 Y	0.98	0.99	1.1%
SS PCB-178	38.58	3.93E+07	1.06 Y	0.71	0.72	1.8%
CS PCB-28	23.47	7.44E+07	1.05 Y	1.44	1.47	1.7%
CS PCB-111	33.53	5.16E+07	1.61 Y	1.24	1.20	-3.6%
CS PCB-178	38.58	3.93E+07	1.06 Y	0.96	0.97	0.5%
JS PCB-9	16.83	8.66E+07	1.61 Y	-	-	-
JS PCB-52	25.12	5.07E+07	0.77 Y	-	-	-
JS PCB-101	31.20	4.31E+07	1.59 Y	-	-	-
JS PCB-138	38.20	4.06E+07	1.23 Y	-	-	-
JS PCB-194	48.71	3.21E+07	0.90 Y	-	-	-
PCB-1 2-MoCB	12.20	4.68E+06	3.20 Y	1.01	0.96	-4.3%
PCB-3 4-MoCB	14.56	4.48E+06	3.07 Y	1.01	0.97	-4.0%
PCB-4 22'-DiCB	14.82	2.74E+06	1.55 Y	0.98	0.92	-6.5%
PCB-15 44'-DiCB	20.67	4.17E+06	1.57 Y	0.97	0.91	-6.4%
PCB-19 22'6-TrCB	17.98	2.53E+06	1.02 Y	1.03	0.92	-11.3%
PCB-37 344'-TrCB	27.11	3.22E+06	1.05 Y	1.03	0.91	-11.4%
PCB-54 22'66'-TeCB	20.96	2.97E+06	0.78 Y	1.09	1.00	-8.0%
PCB-104 22'466'-PeCB	26.02	2.58E+06	0.65 Y	1.00	0.95	-5.6%
PCB-155 22'44'66'-HxCB	31.05	2.60E+06	1.26 Y	0.95	0.87	-9.2%
PCB-188 22'34'566'-HpCB	36.00	2.52E+06	1.08 Y	0.96	0.92	-4.1%
PCB-202 22'33'55'66'-OoCB	40.60	2.04E+06	0.90 Y	0.96	0.86	-10.0%
PCB-205 233'44'55'6-OoCB	49.23	1.71E+06	0.90 Y	0.92	0.88	-4.3%
PCB-208 22'33'455'66'-NoCB	46.31	1.79E+06	0.76 Y	0.96	0.88	-8.0%
PCB-206 22'33'44'55'6-NoCB	51.21	1.21E+06	0.76 Y	0.93	0.85	-8.4%
FS PCB-8	17.67	8.49E+07	1.59 Y	0.91	0.92	0.9%
FS PCB-31	23.192	7.41E+07	1.06 Y	1.06	1.05	-0.6%
FS PCB-60	30.476	5.53E+07	0.80 Y	0.83	0.85	2.4%
FS PCB-85	32.795	3.69E+07	1.59 Y	0.69	0.71	3.0%
FS PCB-128	39.304	3.35E+07	1.23 Y	0.65	0.65	-0.2%
FS PCB-182	39.544	3.73E+07	1.03 Y	0.91	0.92	0.8%

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



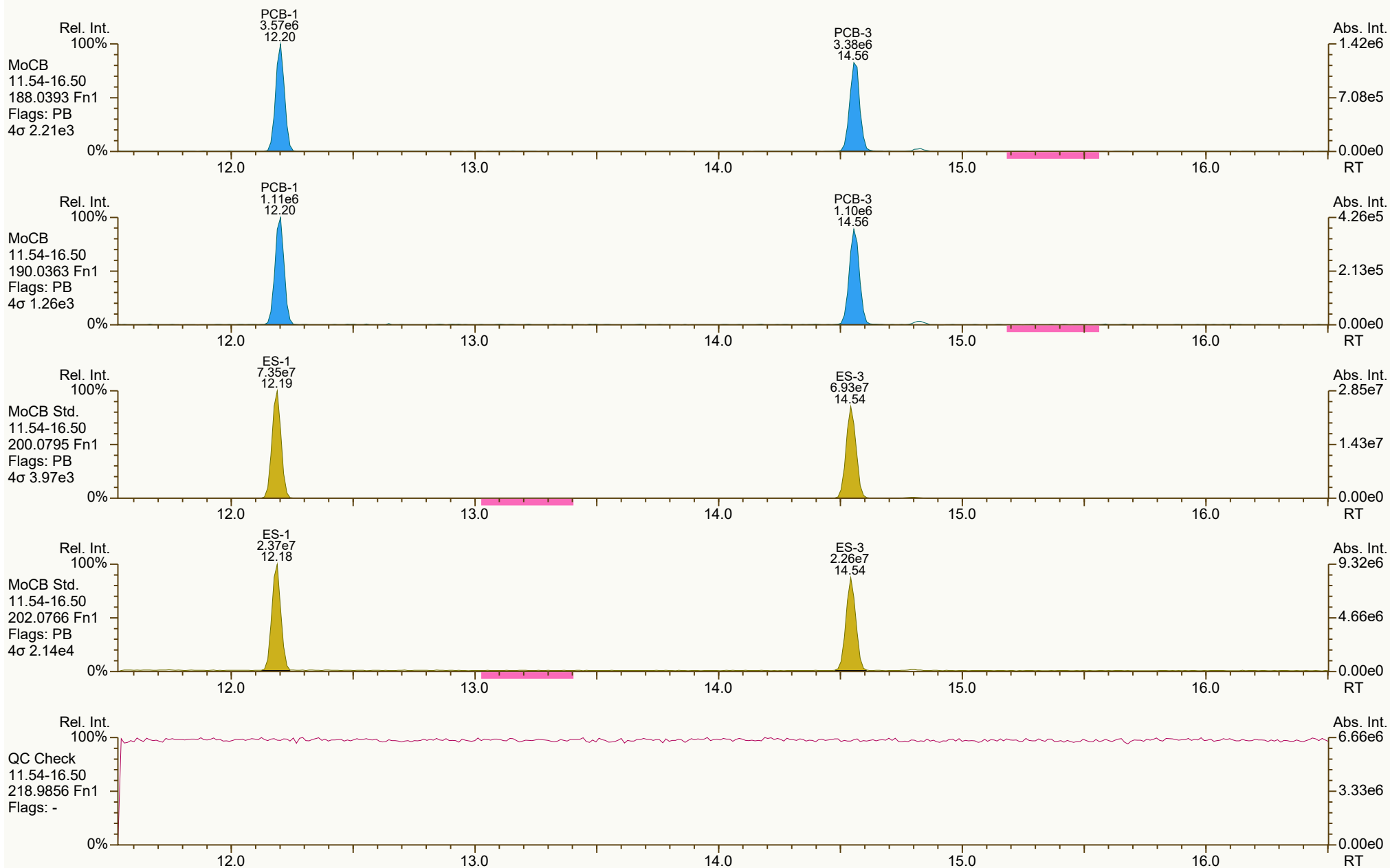
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 400-947

Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 10:43 Page 1 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1254, 9088 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 2 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



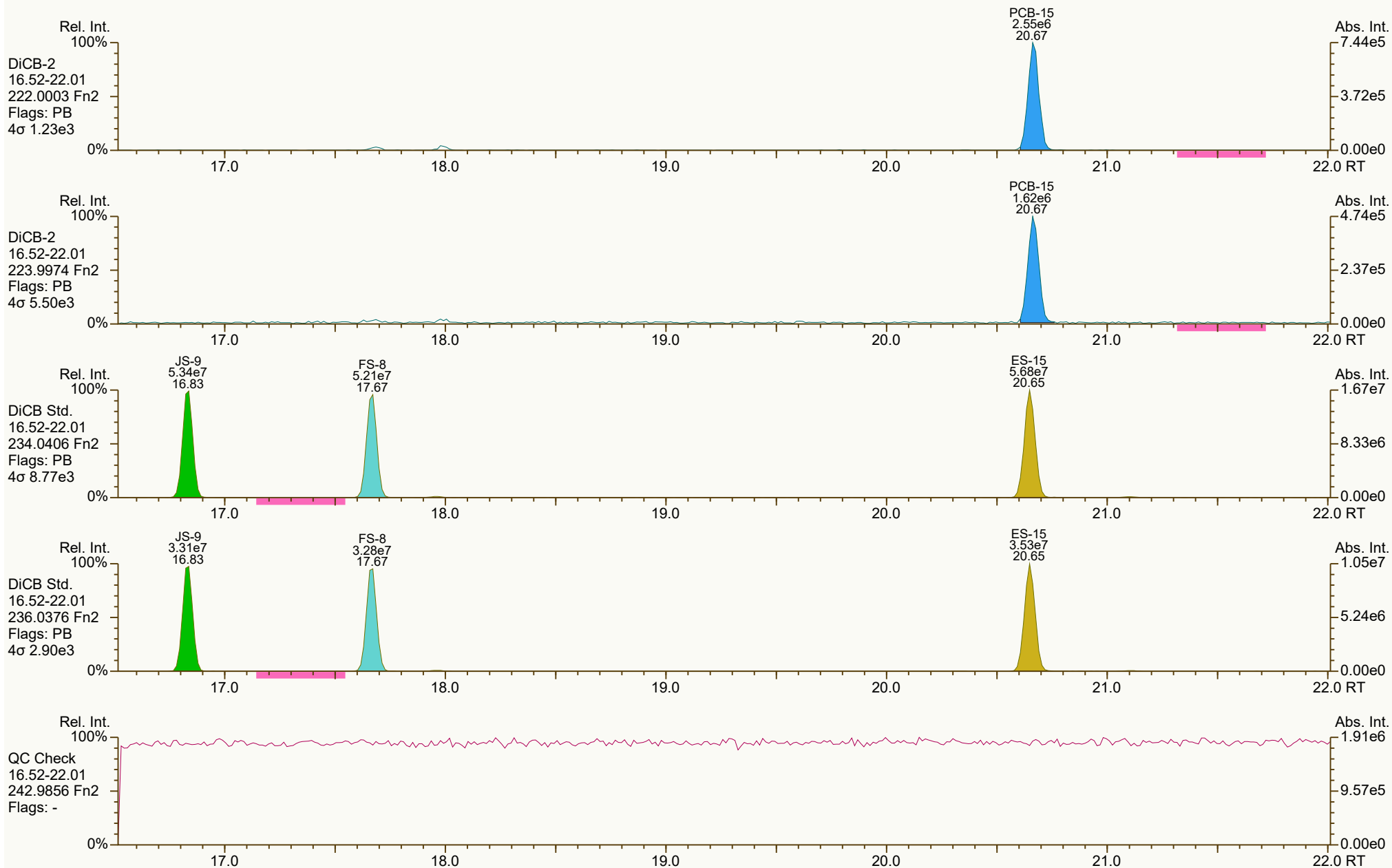
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7306, 7664 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 3 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



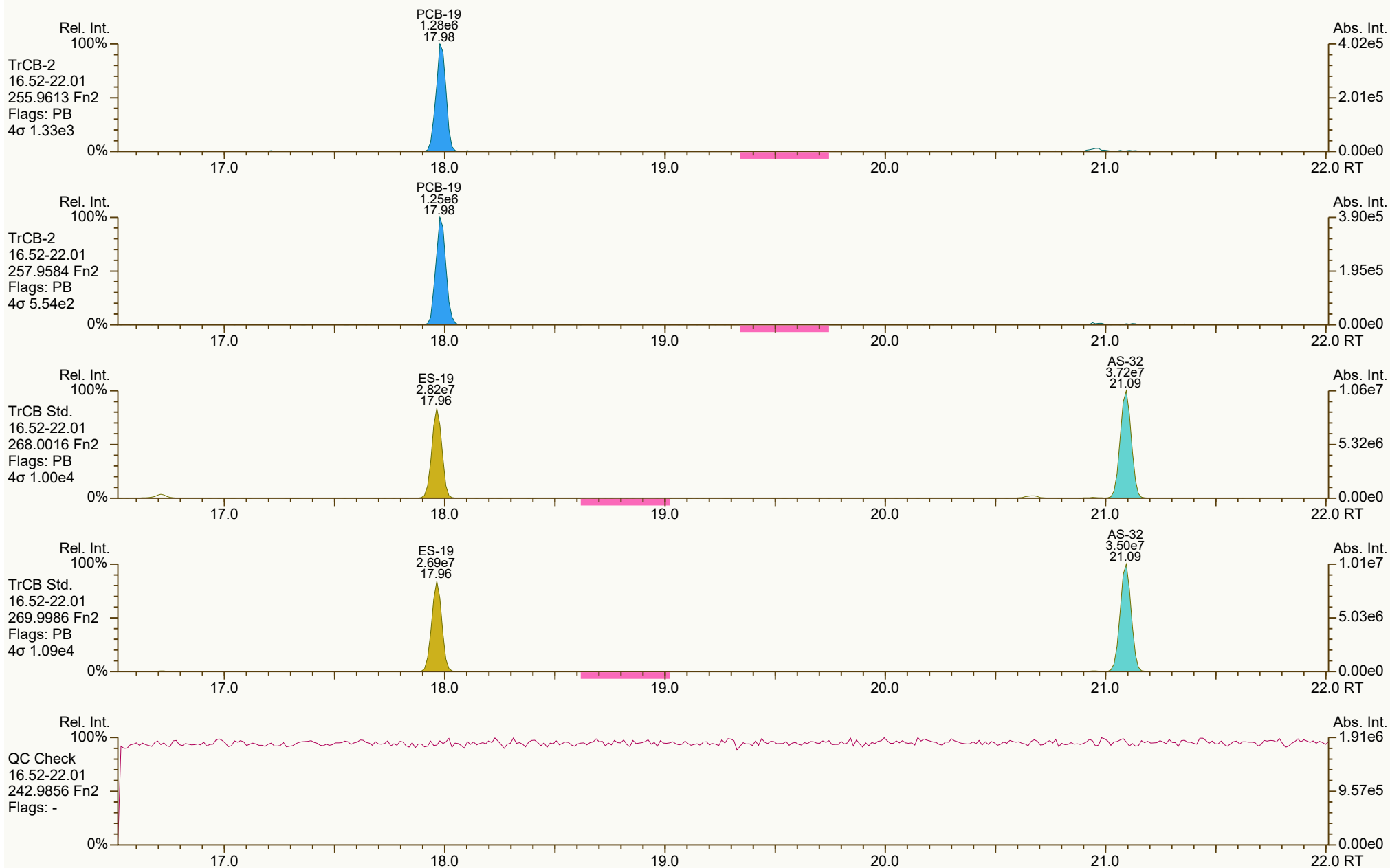
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2913, 7210 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 4 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6544, 5113 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 5 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

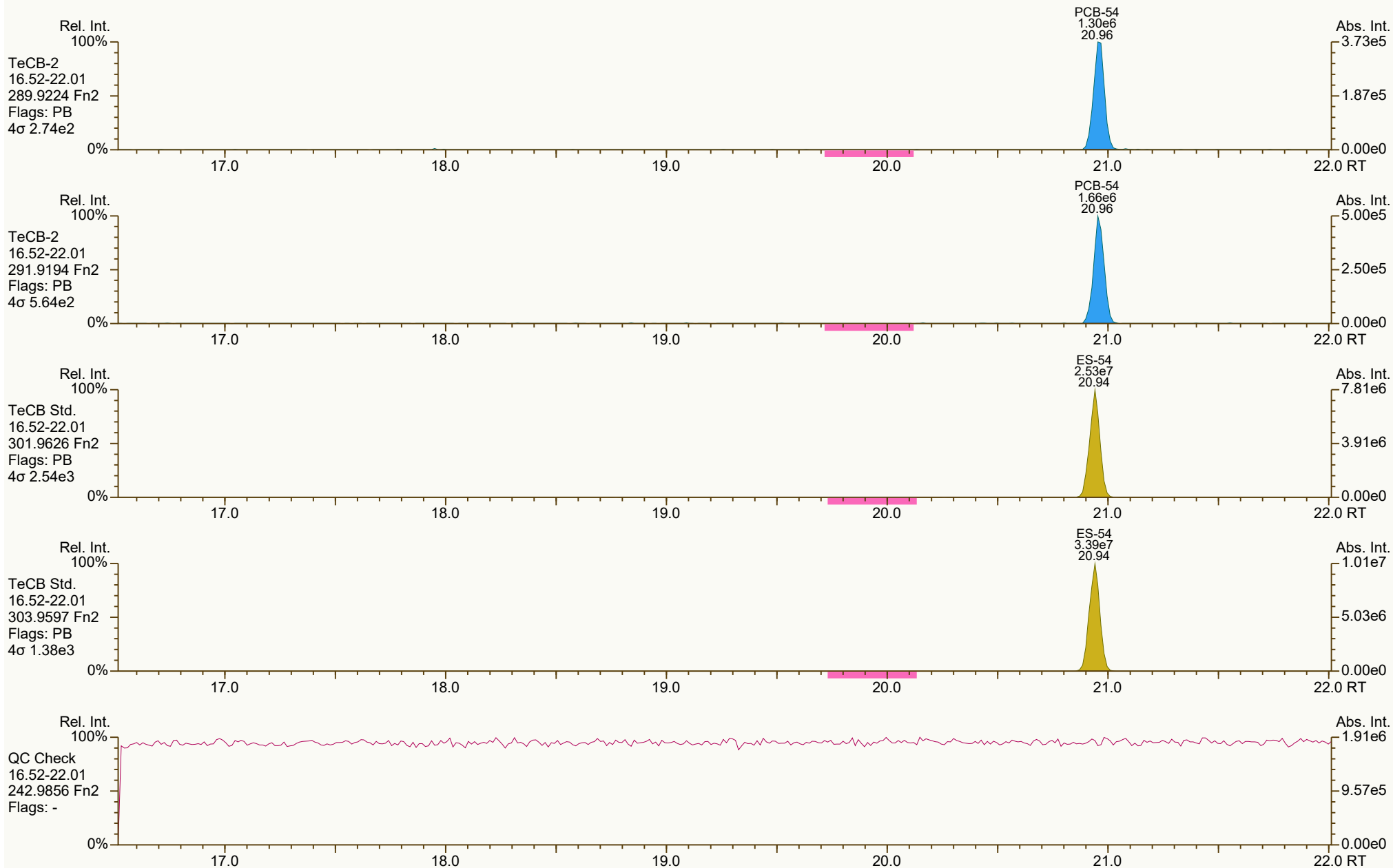
Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



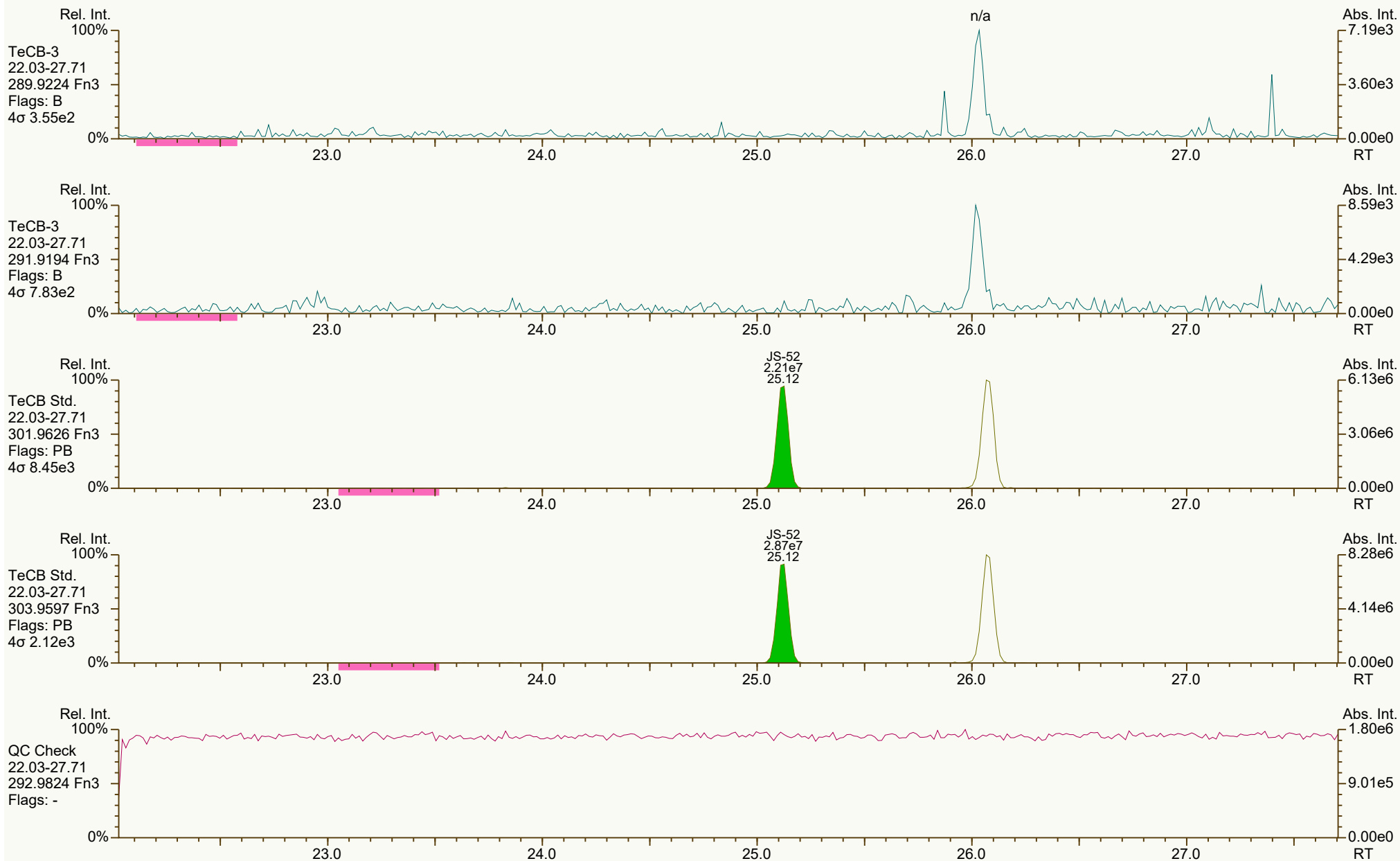
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0237, 3244 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 7 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



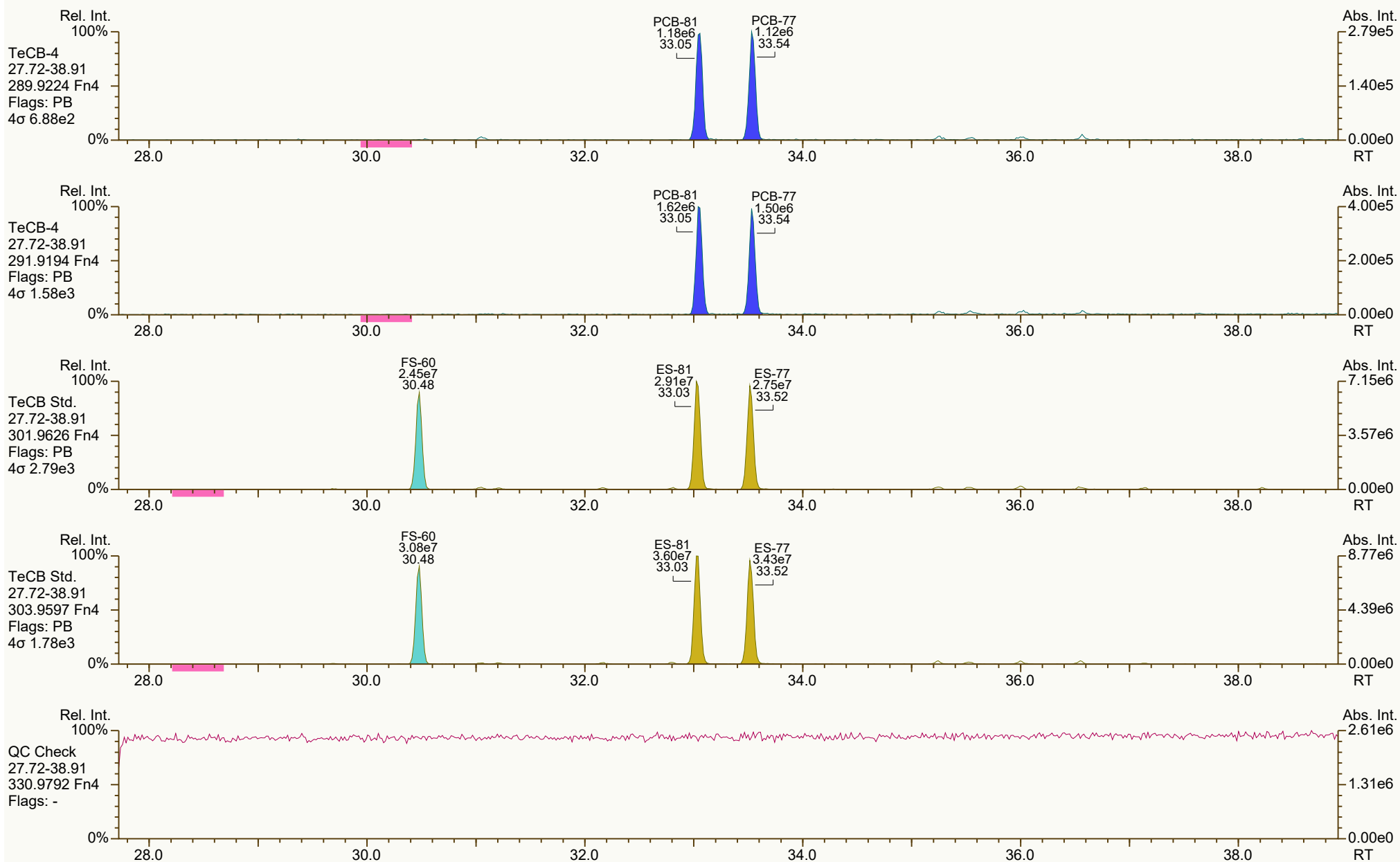
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8052, 2107 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 8 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



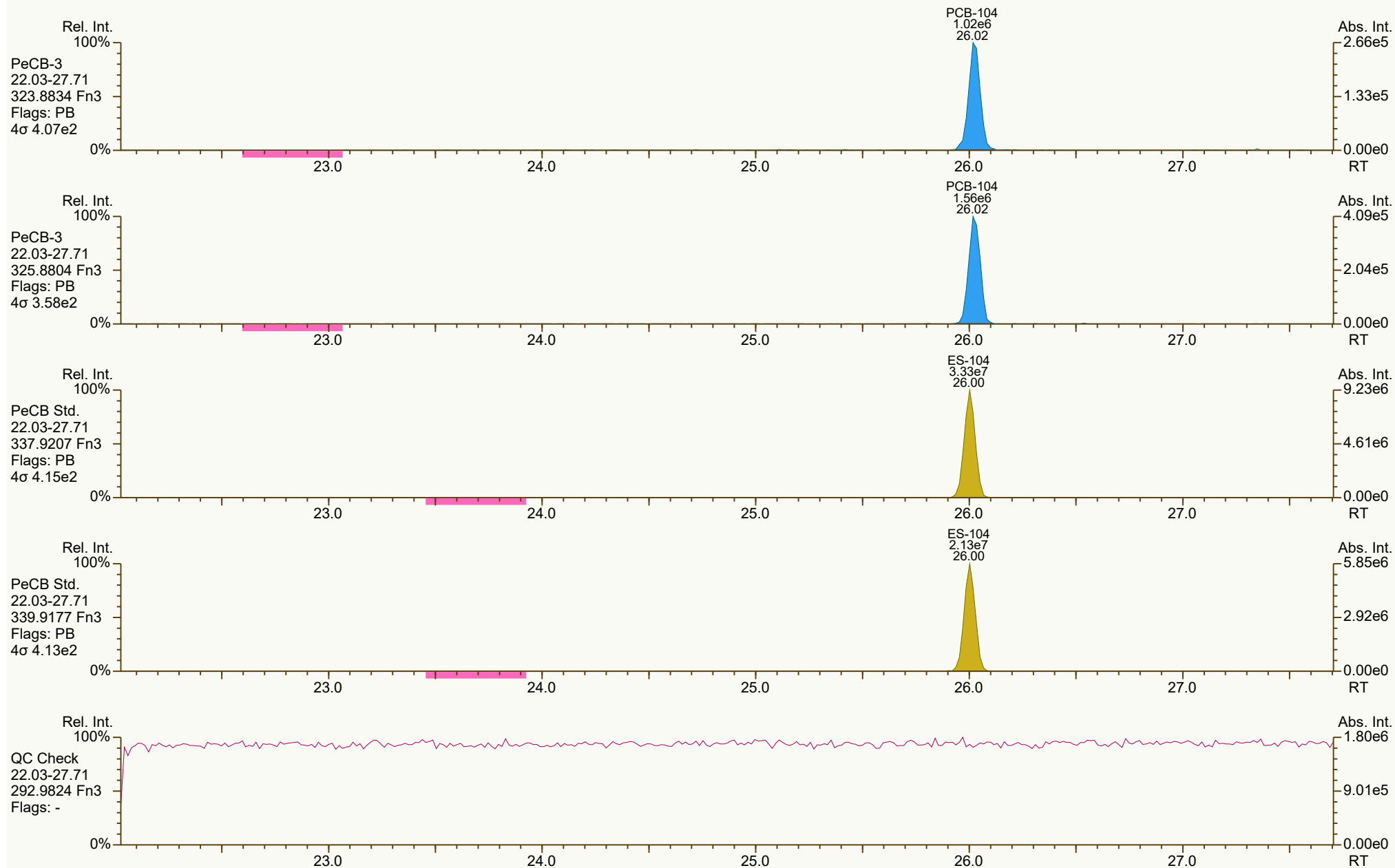
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3504, 5579 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 9 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

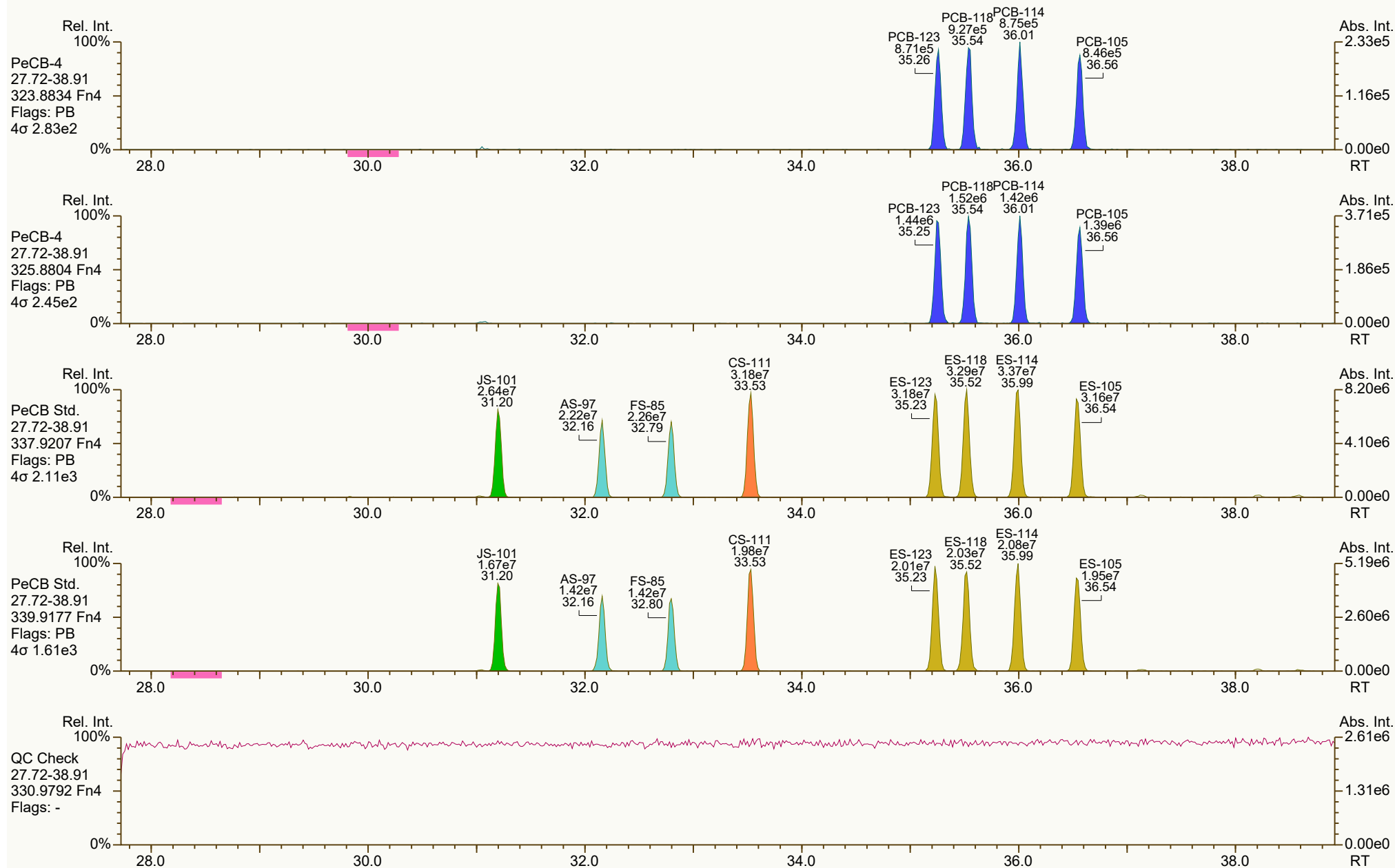
Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



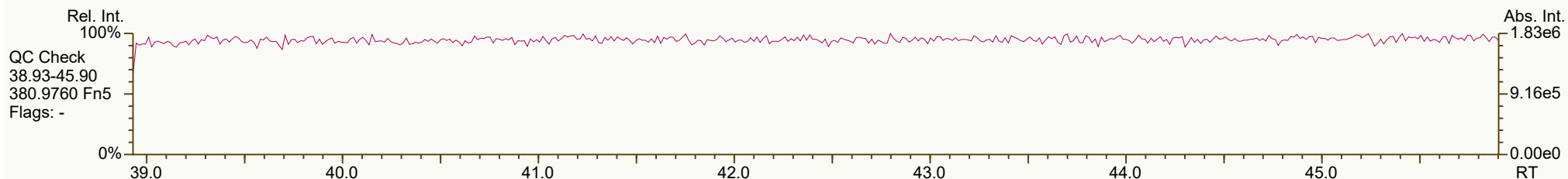
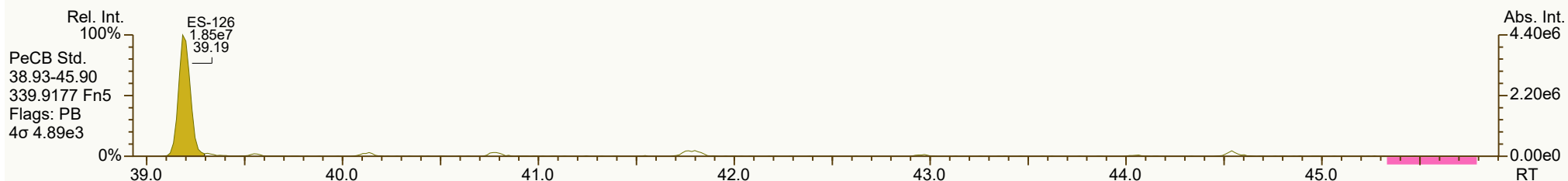
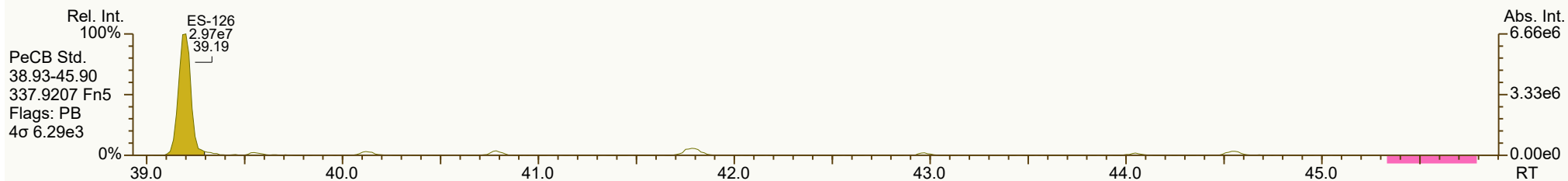
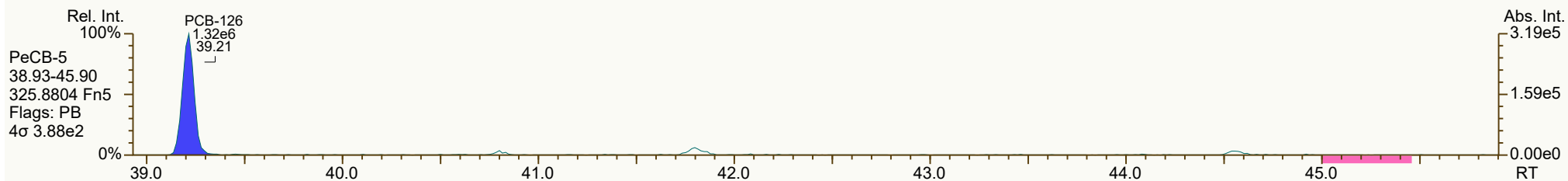
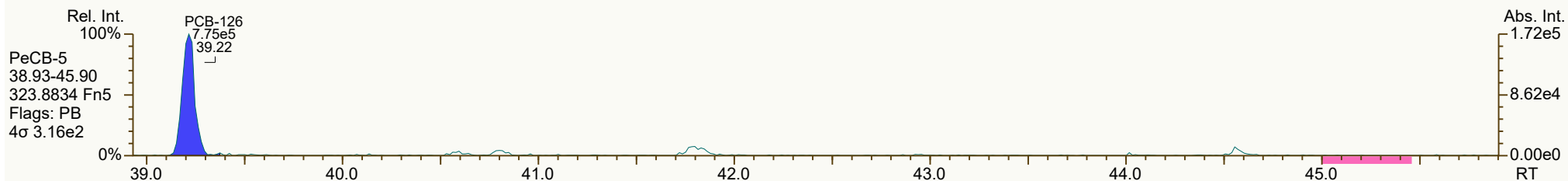
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4714, 3350 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 11 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



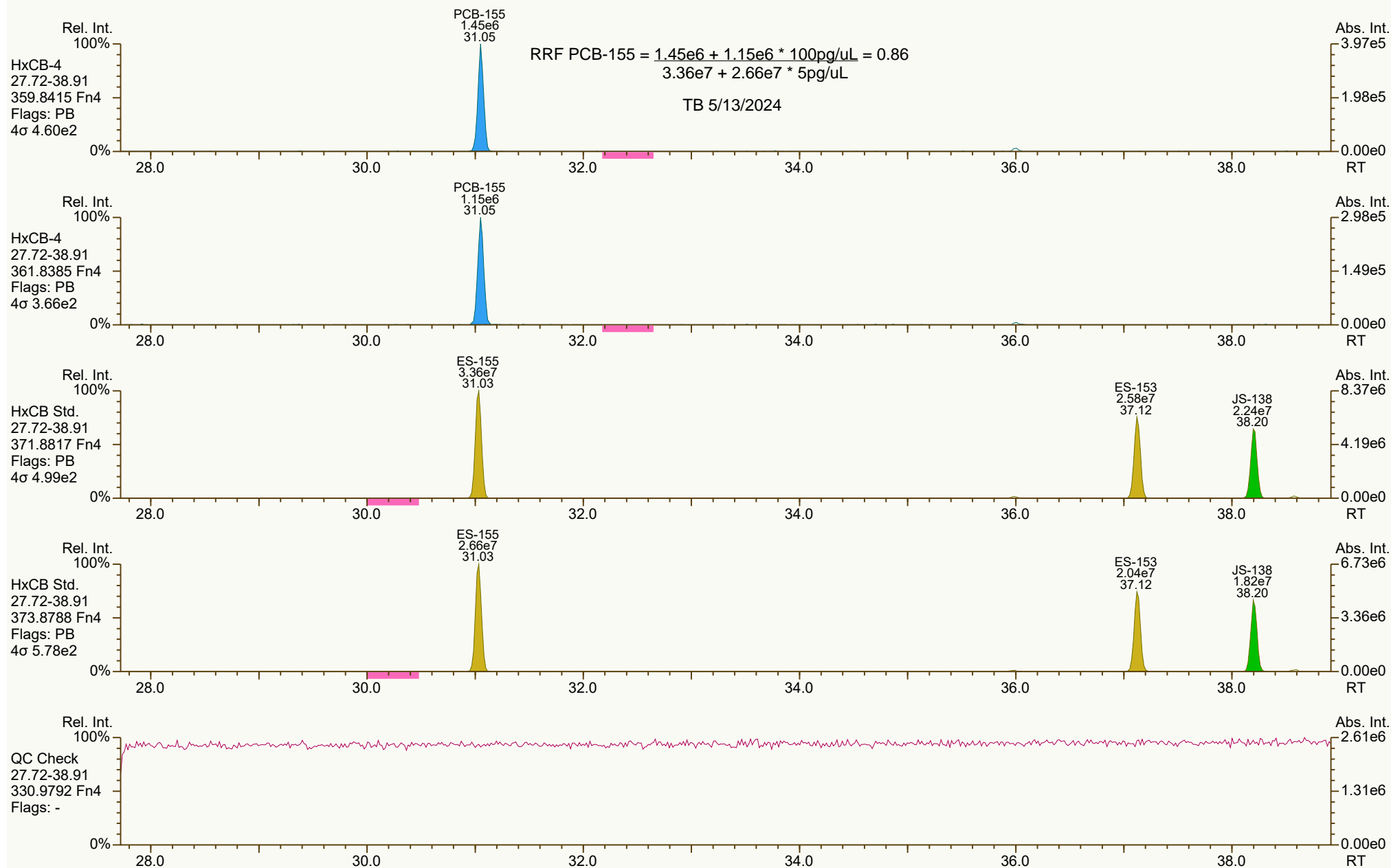
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6372, 0381 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 12 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



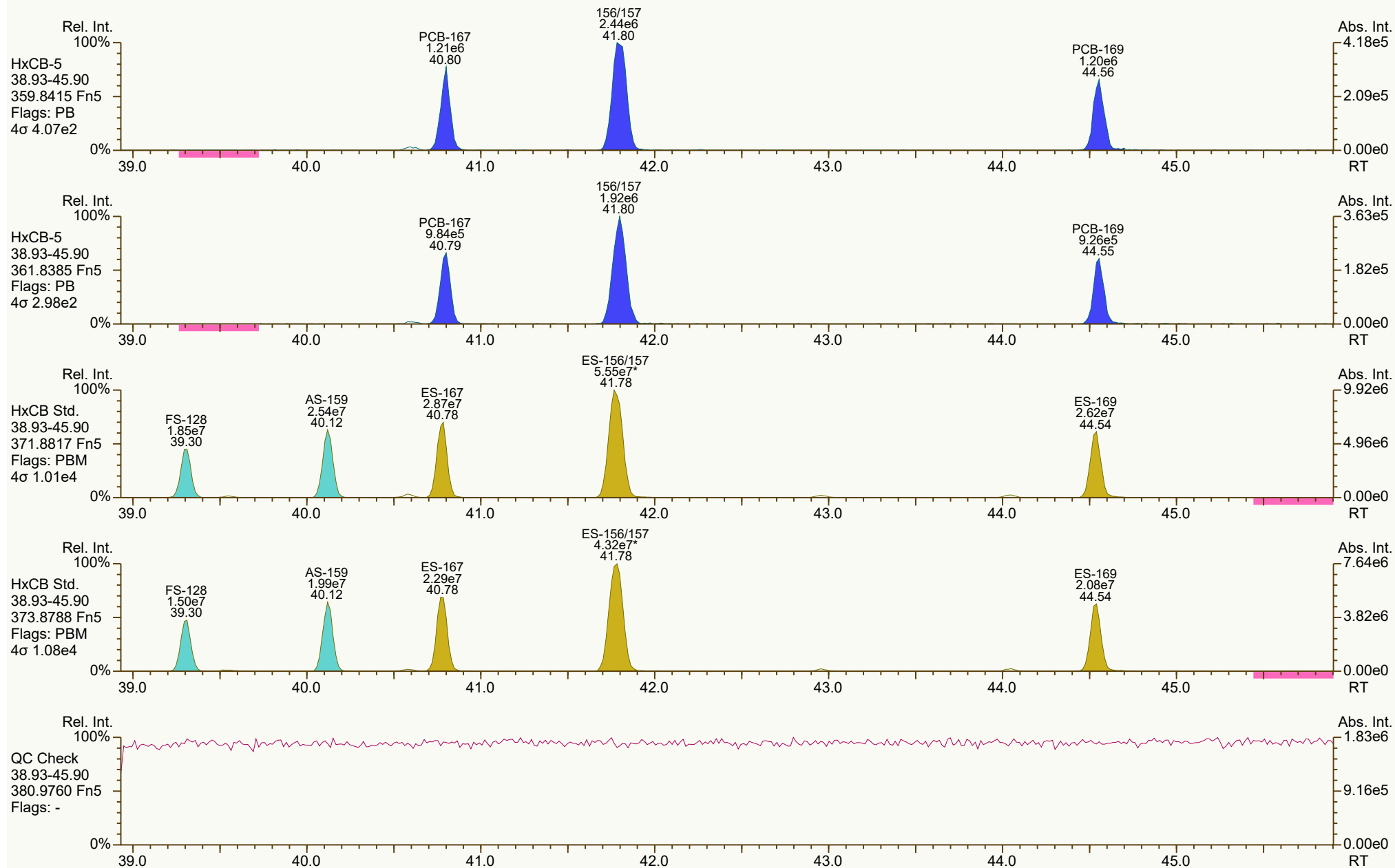
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0551, 1763 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 13 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



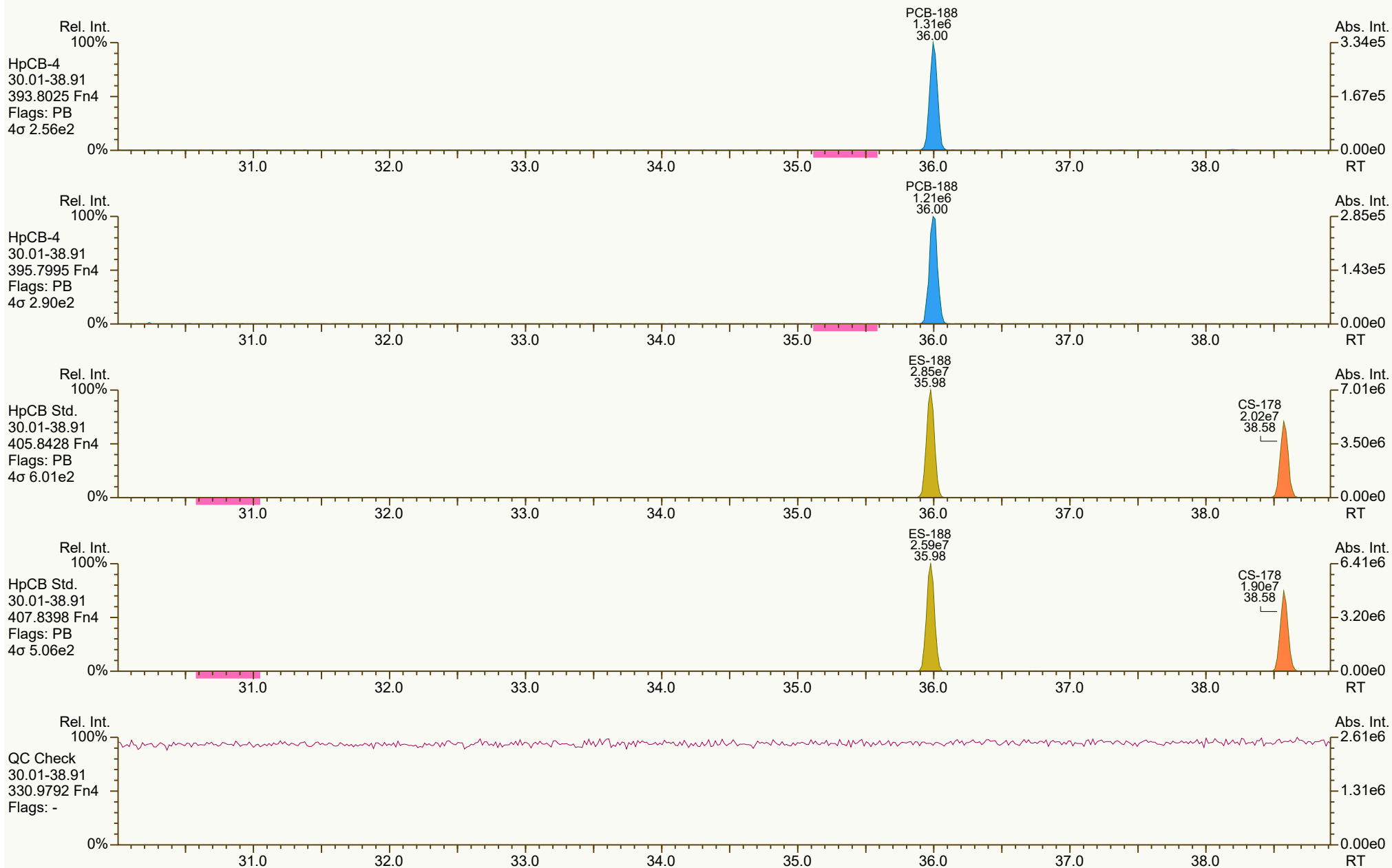
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0425, 9762 scc: 400-947

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:43 (JHL) Printed: 08-May-2024 10:43 Page 14 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5115, 0911 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 15 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



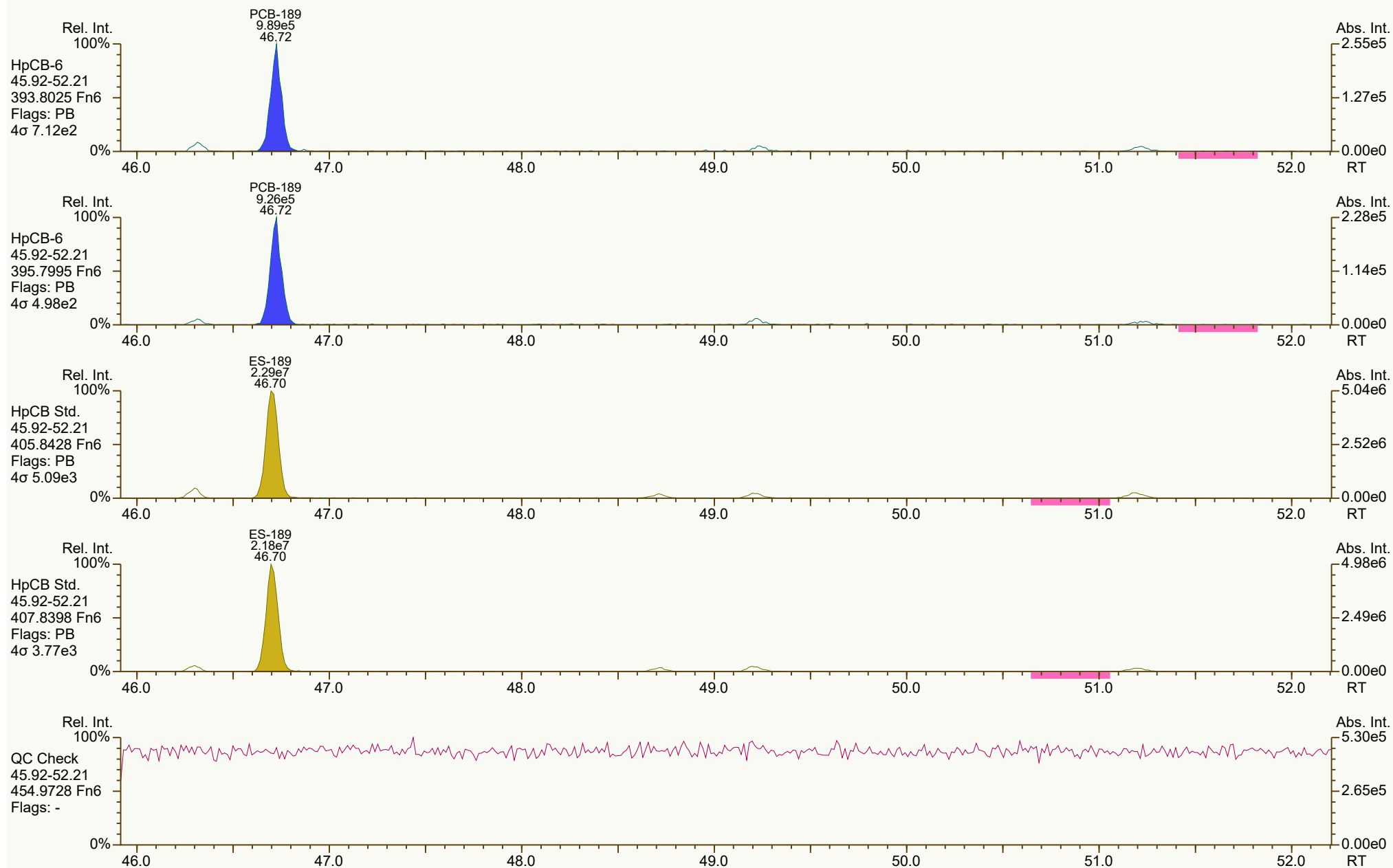
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7626, 8728 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 16 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



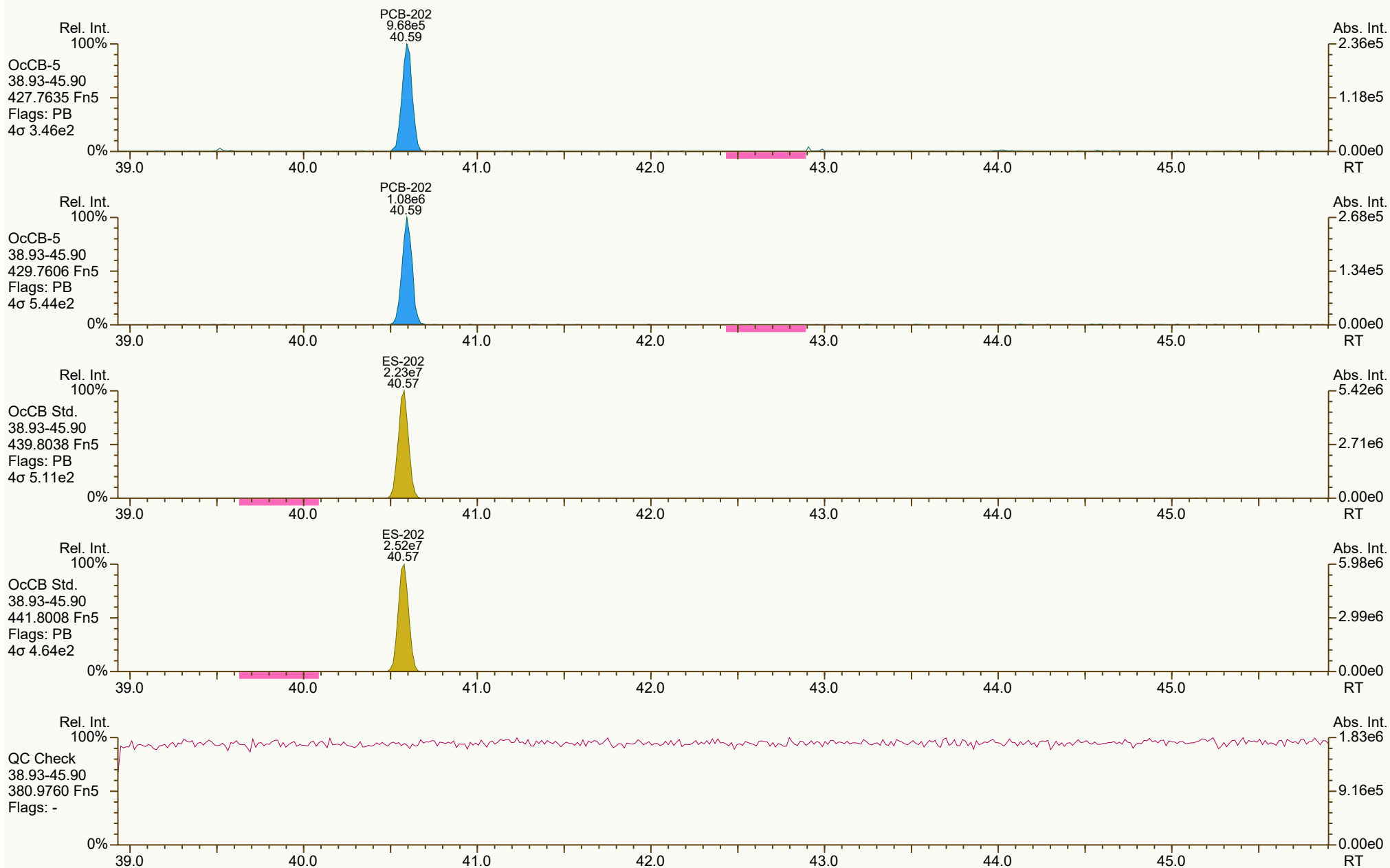
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0869, 9802 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 17 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



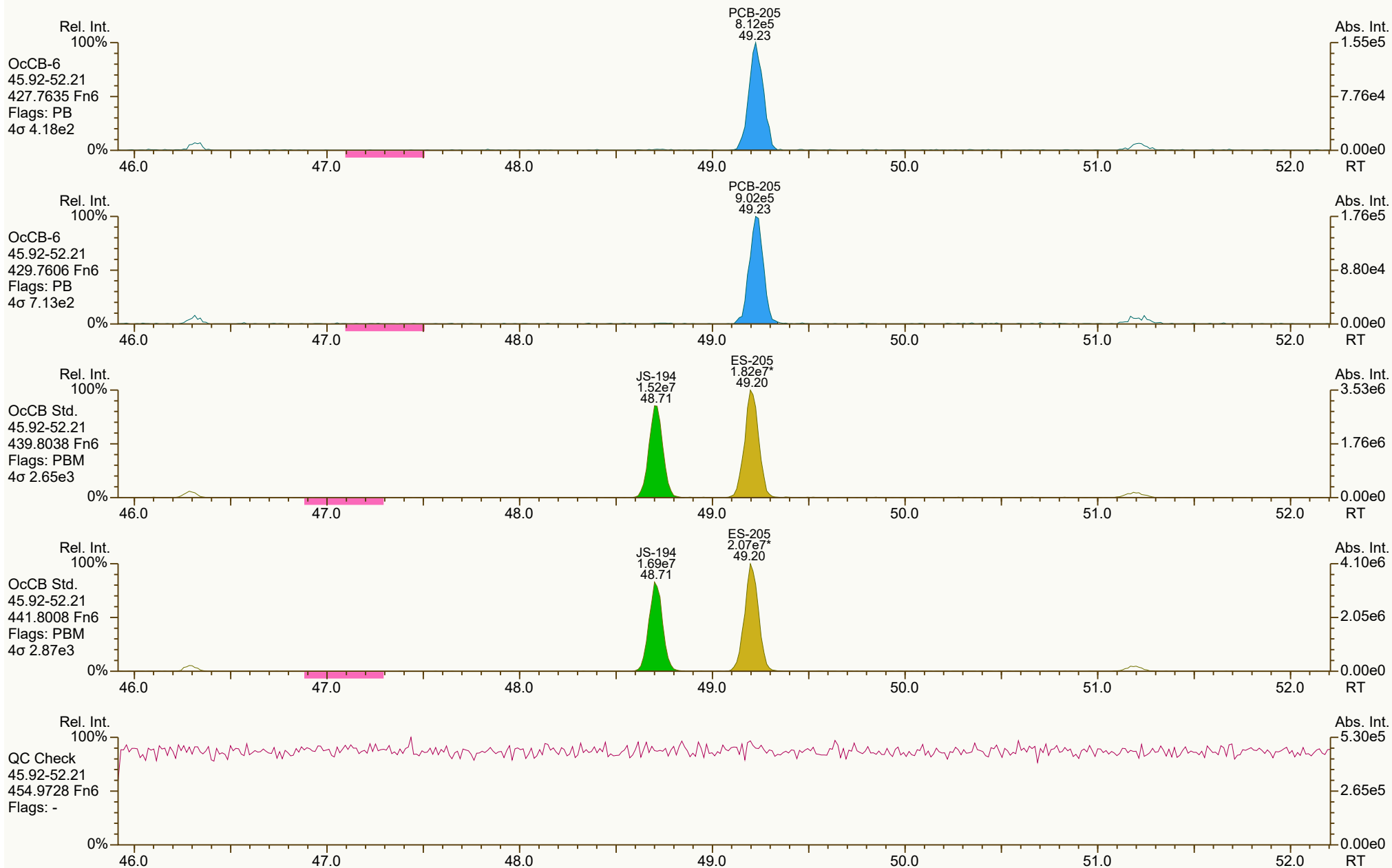
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2423, 3442 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 18 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



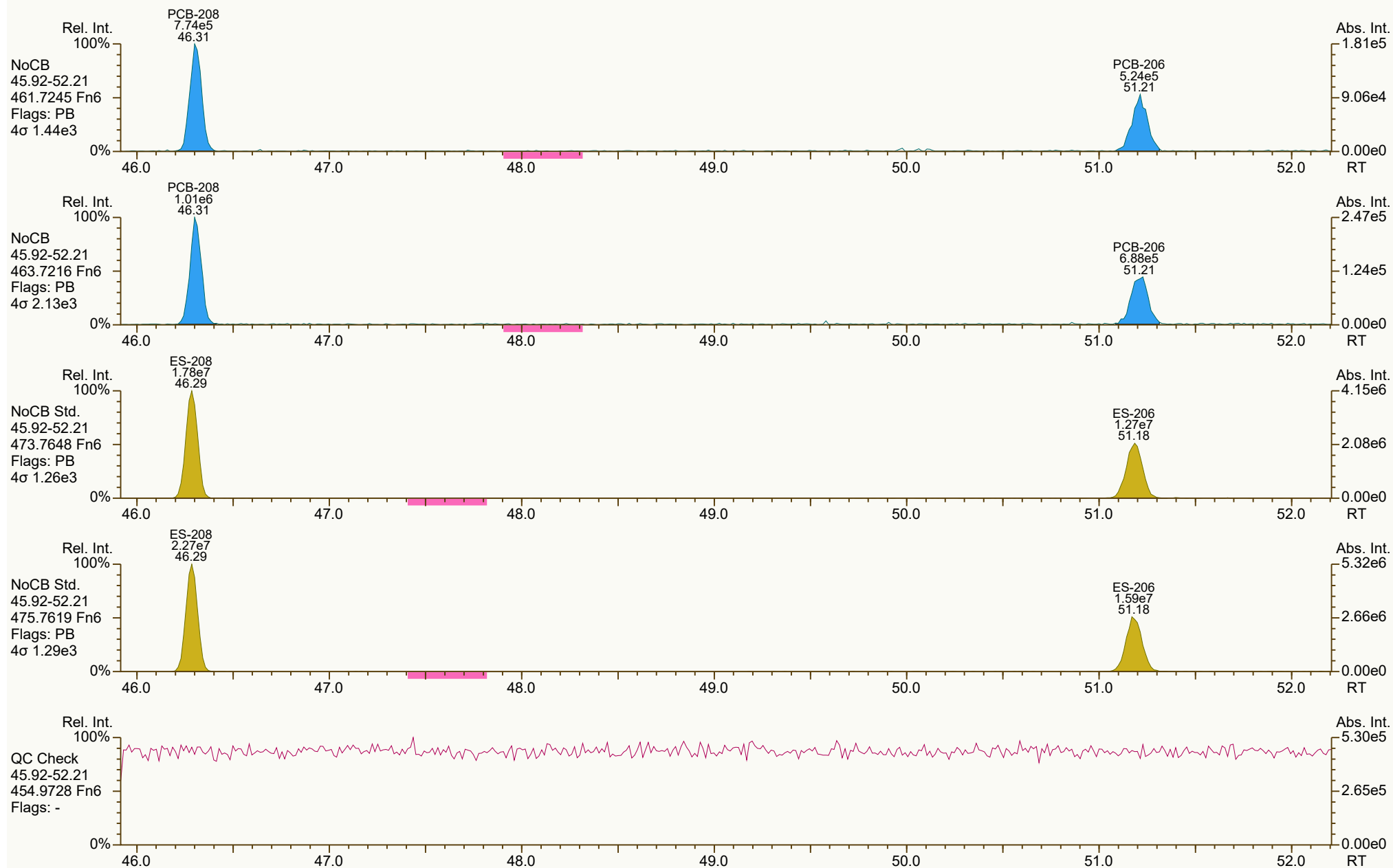
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9169, 4296 scc: 400-947

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:44 (JHL) Printed: 08-May-2024 10:43 Page 19 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



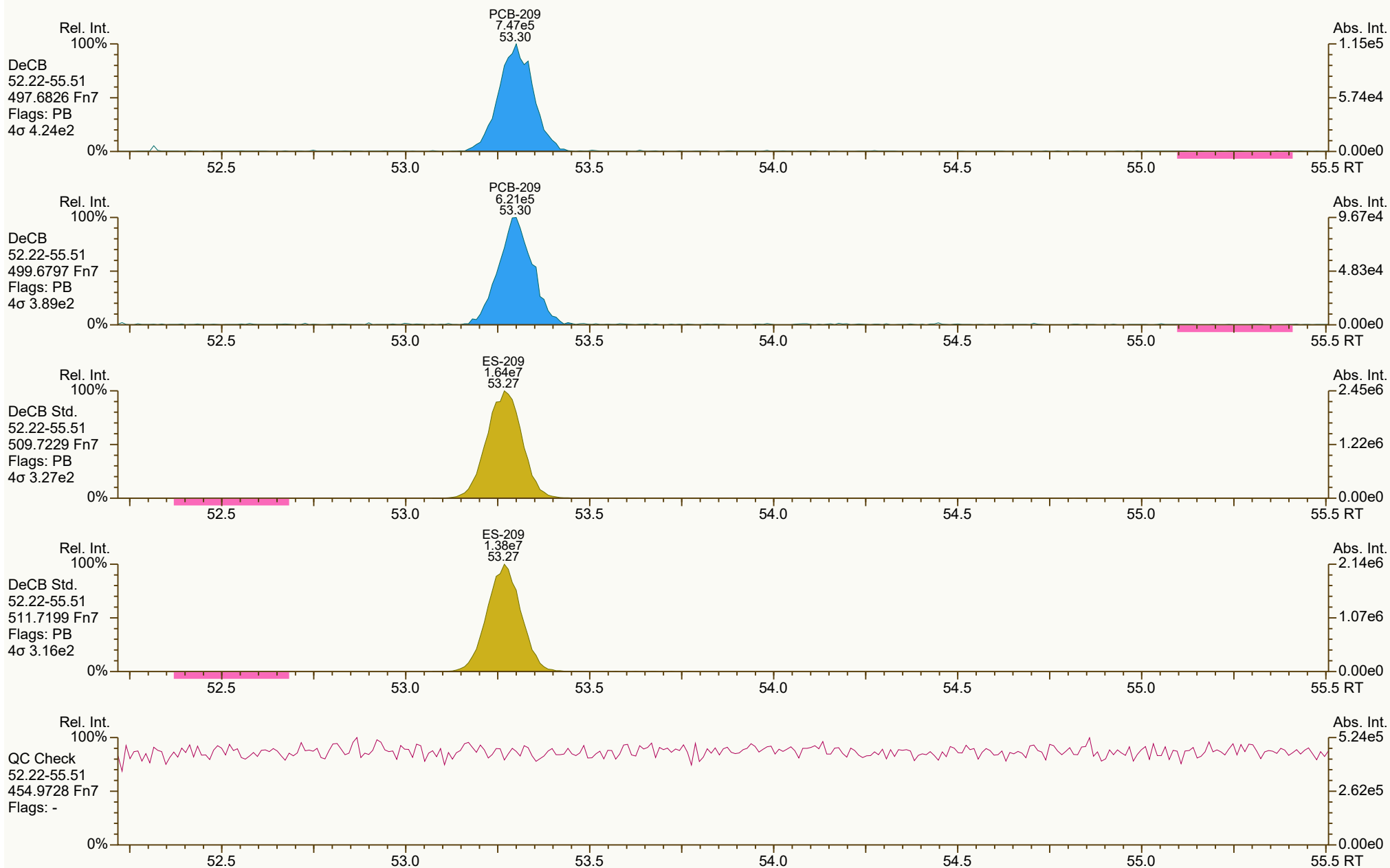
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6479, 7980 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 20 of 21

SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

Acq: 03-May-2024 09:54:09
User: PSW Datafile: 240503B05



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS2_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6209, 4162 scc: 400-947

Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 21 of 21

PCB QC Summary

SGS North America

Printed: 8-May-2024 10:56

Lab ID: CS3_240503_PCB_BA
 Acquired: 3-May-24 10:54:15
 Datafile: 240503B06

ICAL: HRMS2_PCB_03MAY2024

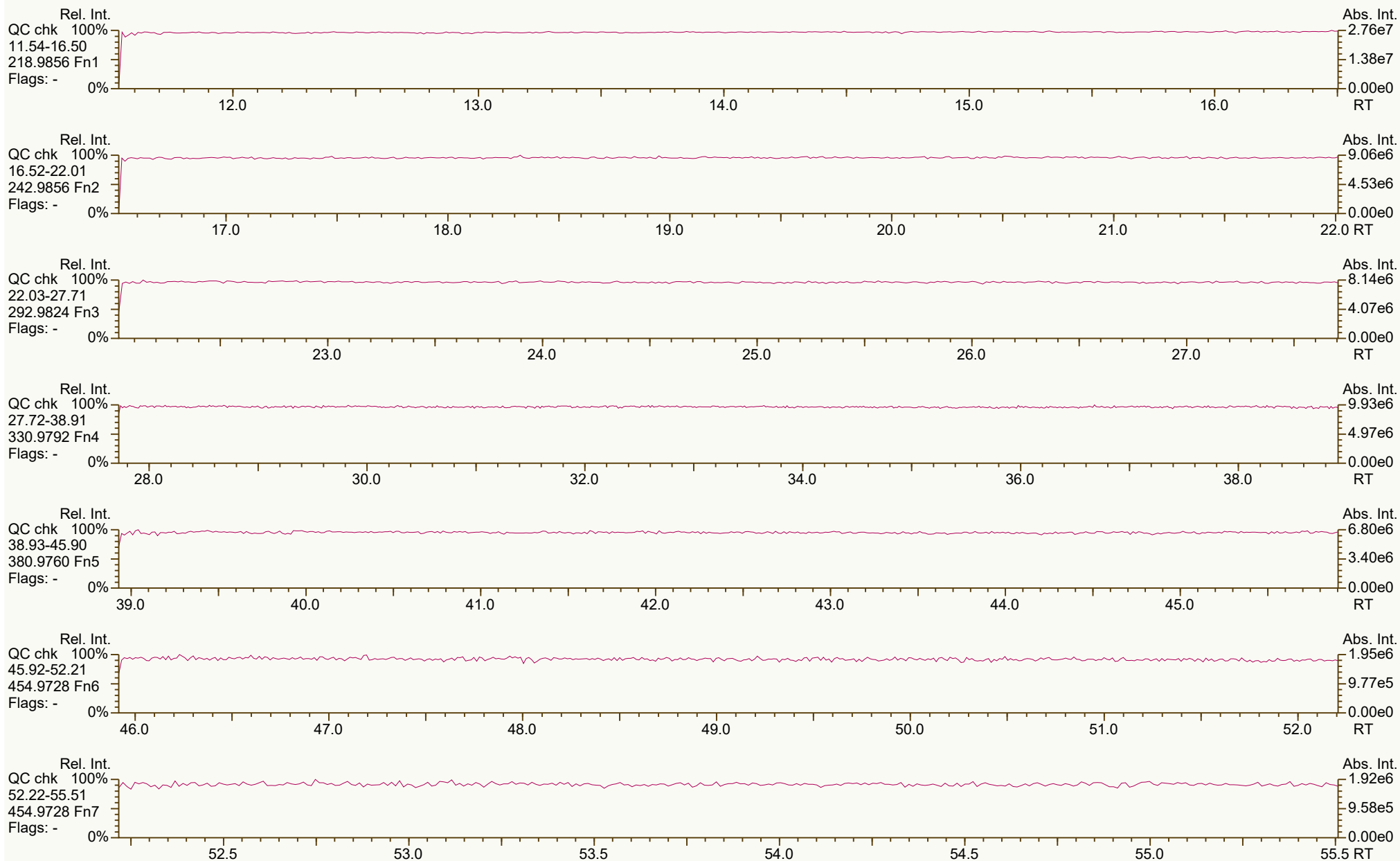
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.54	2.89E+07	0.77 Y	0.95	0.96	1.3%
PCB-81 344'5'-TeCB	33.05	2.96E+07	0.77 Y	0.94	0.95	1.2%
PCB-105 233'44'-PeCB	36.56	2.48E+07	0.62 Y	0.97	0.99	1.9%
PCB-114 2344'5'-PeCB	36.01	2.65E+07	0.64 Y	0.96	1.01	4.6%
PCB-118 23'44'5'-PeCB	35.54	2.63E+07	0.62 Y	0.99	1.00	0.8%
PCB-123 23'44'5'-PeCB	35.25	2.49E+07	0.62 Y	0.96	0.98	2.3%
PCB-126 33'44'5'-PeCB	39.21	2.32E+07	0.61 Y	0.96	0.98	2.0%
PCB-156/157 ...-HxCB	41.80	4.79E+07	1.25 Y	0.96	0.99	2.7%
PCB-167 23'44'55'-HxCB	40.80	2.43E+07	1.24 Y	0.94	0.96	2.3%
PCB-169 33'44'55'-HxCB	44.56	2.34E+07	1.26 Y	0.97	1.01	4.4%
PCB-189 233'44'55'-HpCB	46.73	2.09E+07	1.04 Y	0.93	0.94	1.3%
PCB-209 DeCB	53.30	1.52E+07	1.18 Y	0.95	0.96	0.5%
ES PCB-1	12.18	9.79E+07	3.16 Y	1.19	1.16	-2.5%
ES PCB-3	14.54	9.23E+07	3.10 Y	1.13	1.09	-3.2%
ES PCB-4	14.80	5.67E+07	1.58 Y	0.72	0.67	-7.2%
ES PCB-15	20.65	8.75E+07	1.59 Y	1.07	1.04	-3.2%
ES PCB-19	17.96	5.22E+07	1.04 Y	0.65	0.62	-4.7%
ES PCB-37	27.09	6.64E+07	1.08 Y	1.40	1.36	-2.7%
ES PCB-54	20.93	5.70E+07	0.77 Y	1.23	1.17	-5.3%
ES PCB-77	33.52	6.01E+07	0.79 Y	1.28	1.23	-3.8%
ES PCB-81	33.03	6.21E+07	0.80 Y	1.33	1.27	-4.1%
ES PCB-104	26.00	5.24E+07	1.57 Y	1.32	1.24	-5.6%
ES PCB-105	36.54	5.02E+07	1.61 Y	1.26	1.19	-5.2%
ES PCB-114	35.99	5.28E+07	1.61 Y	1.34	1.25	-6.9%
ES PCB-118	35.52	5.29E+07	1.57 Y	1.31	1.25	-4.4%
ES PCB-123	35.23	5.07E+07	1.59 Y	1.27	1.20	-5.2%
ES PCB-126	39.19	4.71E+07	1.61 Y	1.19	1.12	-5.9%
ES PCB-153	37.12	4.50E+07	1.28 Y	1.11	1.11	-0.5%
ES PCB-155	31.03	5.82E+07	1.28 Y	1.45	1.43	-1.3%
ES PCB-156/157	41.78	9.72E+07	1.28 Y	1.24	1.20	-3.5%
ES PCB-167	40.78	5.07E+07	1.27 Y	1.29	1.25	-3.2%
ES PCB-169	44.54	4.62E+07	1.29 Y	1.18	1.14	-3.7%
ES PCB-170	44.04	3.50E+07	1.05 Y	1.06	1.08	1.7%
ES PCB-180	42.95	4.08E+07	1.08 Y	1.25	1.26	0.3%
ES PCB-188	35.98	5.33E+07	1.07 Y	1.36	1.31	-3.7%
ES PCB-189	46.71	4.46E+07	1.07 Y	1.37	1.37	-0.1%
ES PCB-202	40.57	4.73E+07	0.86 Y	1.19	1.16	-2.5%
ES PCB-205	49.21	4.03E+07	0.90 Y	1.23	1.24	0.5%
ES PCB-206	51.18	2.90E+07	0.78 Y	0.89	0.89	0.2%
ES PCB-208	46.29	4.05E+07	0.79 Y	1.26	1.24	-0.9%
ES PCB-209	53.27	3.18E+07	1.22 Y	0.98	0.98	-0.5%

PCB QC Summary		SGS North America			Printed: 8-May-2024 10:56	
Lab ID:	CS3_240503_PCB_BA			ICAL: HRMS2_PCB_03MAY2024		
Acquired:	3-May-24 10:54:15					
Datafile:	240503B06					
Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	23.47	7.23E+07	1.07 Y	1.04	1.09	5.0%
SS PCB-111	33.53	5.09E+07	1.62 Y	0.98	1.00	2.1%
SS PCB-178	38.58	3.92E+07	1.05 Y	0.71	0.74	4.0%
CS PCB-28	23.47	7.23E+07	1.07 Y	1.44	1.48	2.8%
CS PCB-111	33.53	5.09E+07	1.62 Y	1.24	1.21	-2.9%
CS PCB-178	38.58	3.92E+07	1.05 Y	0.96	0.96	0.2%
JS PCB-9	16.83	8.44E+07	1.60 Y	-	-	-
JS PCB-52	25.11	4.88E+07	0.80 Y	-	-	-
JS PCB-101	31.20	4.22E+07	1.60 Y	-	-	-
JS PCB-138	38.20	4.07E+07	1.30 Y	-	-	-
JS PCB-194	48.71	3.25E+07	0.89 Y	-	-	-
PCB-1 2-MoCB	12.20	4.80E+07	3.16 Y	1.01	0.98	-2.5%
PCB-3 4-MoCB	14.55	4.75E+07	3.12 Y	1.01	1.03	1.5%
PCB-4 22'-DiCB	14.82	2.90E+07	1.60 Y	0.98	1.02	4.0%
PCB-15 44'-DiCB	20.66	4.37E+07	1.58 Y	0.97	1.00	3.3%
PCB-19 22'6-TrCB	17.98	2.75E+07	1.07 Y	1.03	1.05	1.8%
PCB-37 344'-TrCB	27.11	3.47E+07	1.04 Y	1.03	1.04	1.1%
PCB-54 22'66'-TeCB	20.95	3.20E+07	0.77 Y	1.09	1.12	3.2%
PCB-104 22'466'-PeCB	26.02	2.69E+07	0.60 Y	1.00	1.03	2.6%
PCB-155 22'44'66'-HxCB	31.05	2.82E+07	1.26 Y	0.95	0.97	1.6%
PCB-188 22'34'566'-HpCB	36.00	2.68E+07	1.04 Y	0.96	1.00	4.2%
PCB-202 22'33'55'66'-OxCB	40.60	2.28E+07	0.86 Y	0.96	0.97	0.9%
PCB-205 233'44'55'6-OxCB	49.23	1.84E+07	0.92 Y	0.92	0.92	-0.6%
PCB-208 22'33'455'66'-NoCB	46.31	2.01E+07	0.78 Y	0.96	0.99	3.4%
PCB-206 22'33'44'55'6-NoCB	51.21	1.33E+07	0.79 Y	0.93	0.92	-1.2%
FS PCB-8	17.66	8.39E+07	1.57 Y	0.91	0.96	4.9%
FS PCB-31	23.188	7.48E+07	1.06 Y	1.06	1.13	6.3%
FS PCB-60	30.473	5.43E+07	0.79 Y	0.83	0.87	5.4%
FS PCB-85	32.794	3.74E+07	1.59 Y	0.69	0.74	7.1%
FS PCB-128	39.303	3.45E+07	1.24 Y	0.65	0.68	4.6%
FS PCB-182	39.544	3.76E+07	1.05 Y	0.91	0.92	0.8%

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



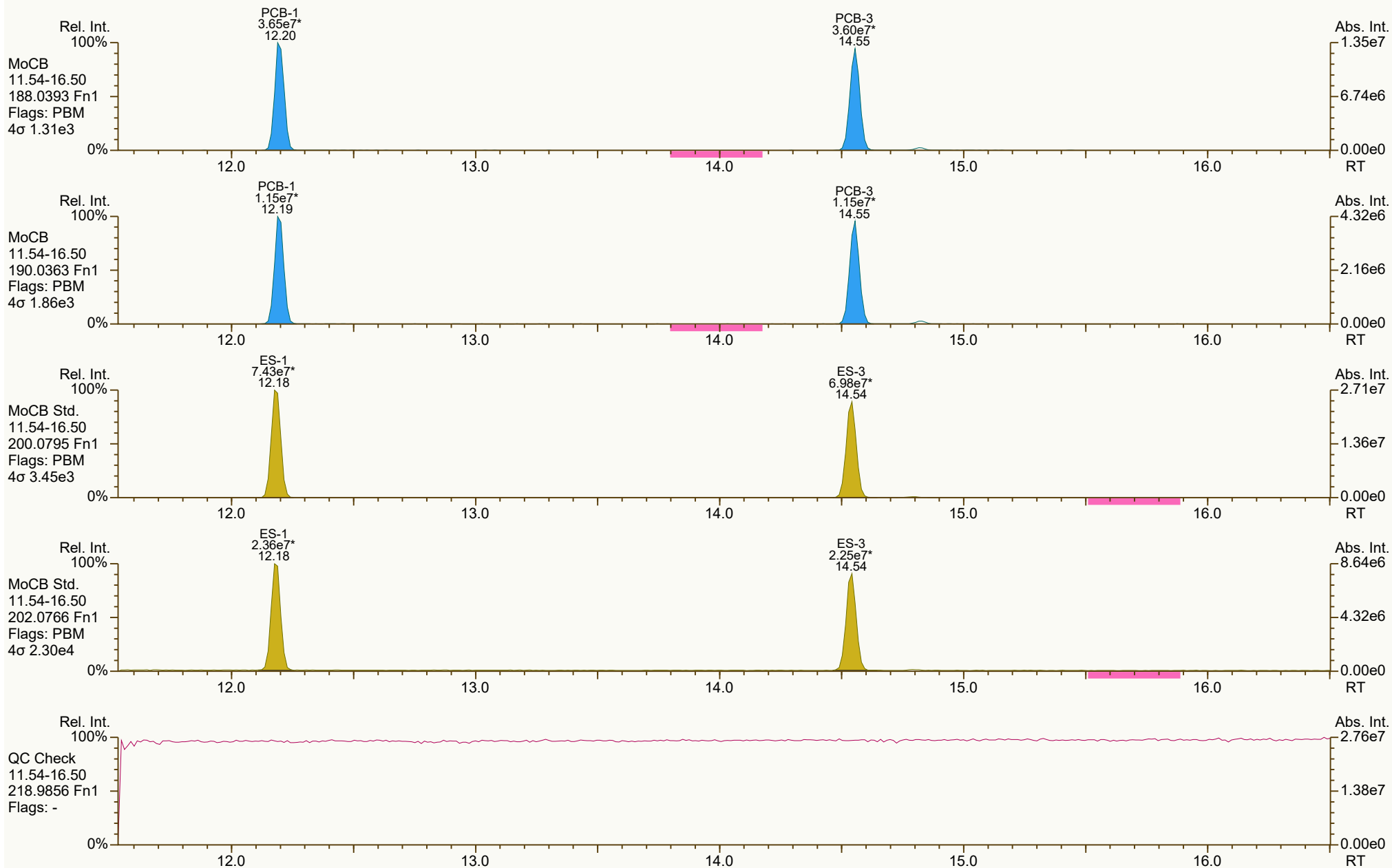
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 666-967

Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 10:43 Page 1 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



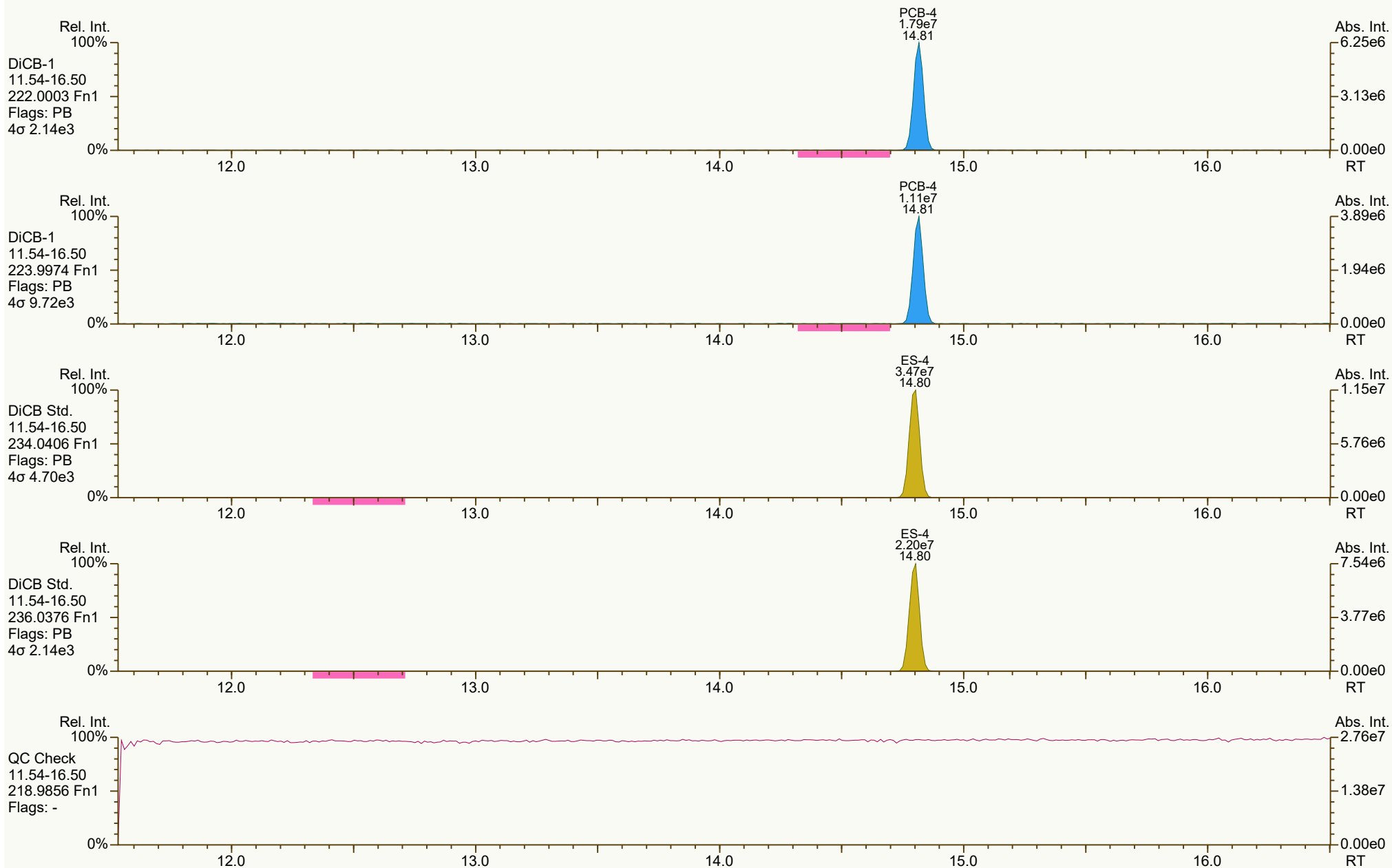
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7067, 1758 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:44 (JHL) Printed: 08-May-2024 10:43 Page 2 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3564, 7080 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 03-May-2024 15:15 (PSW) Printed: 08-May-2024 10:43 Page 3 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

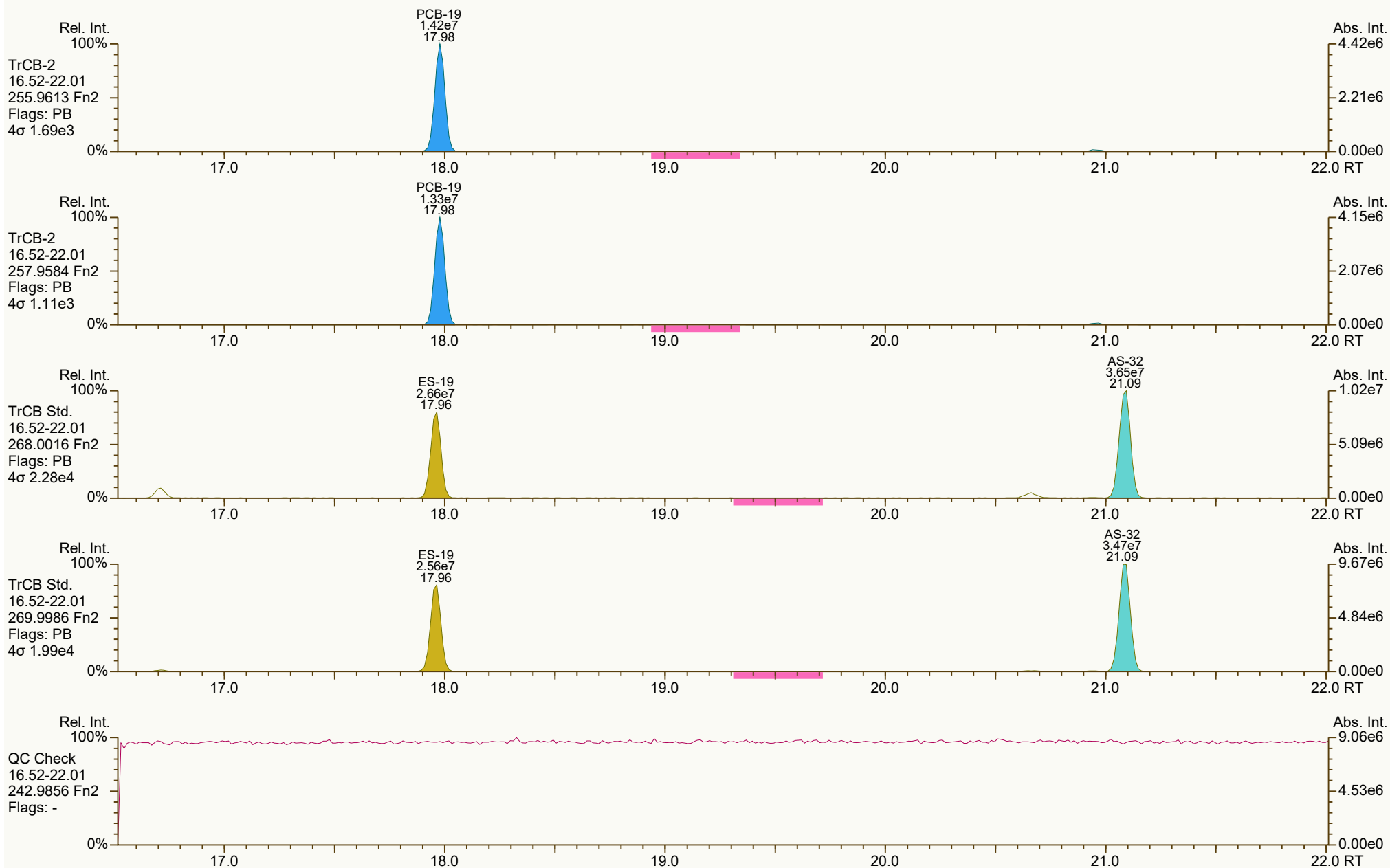
Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



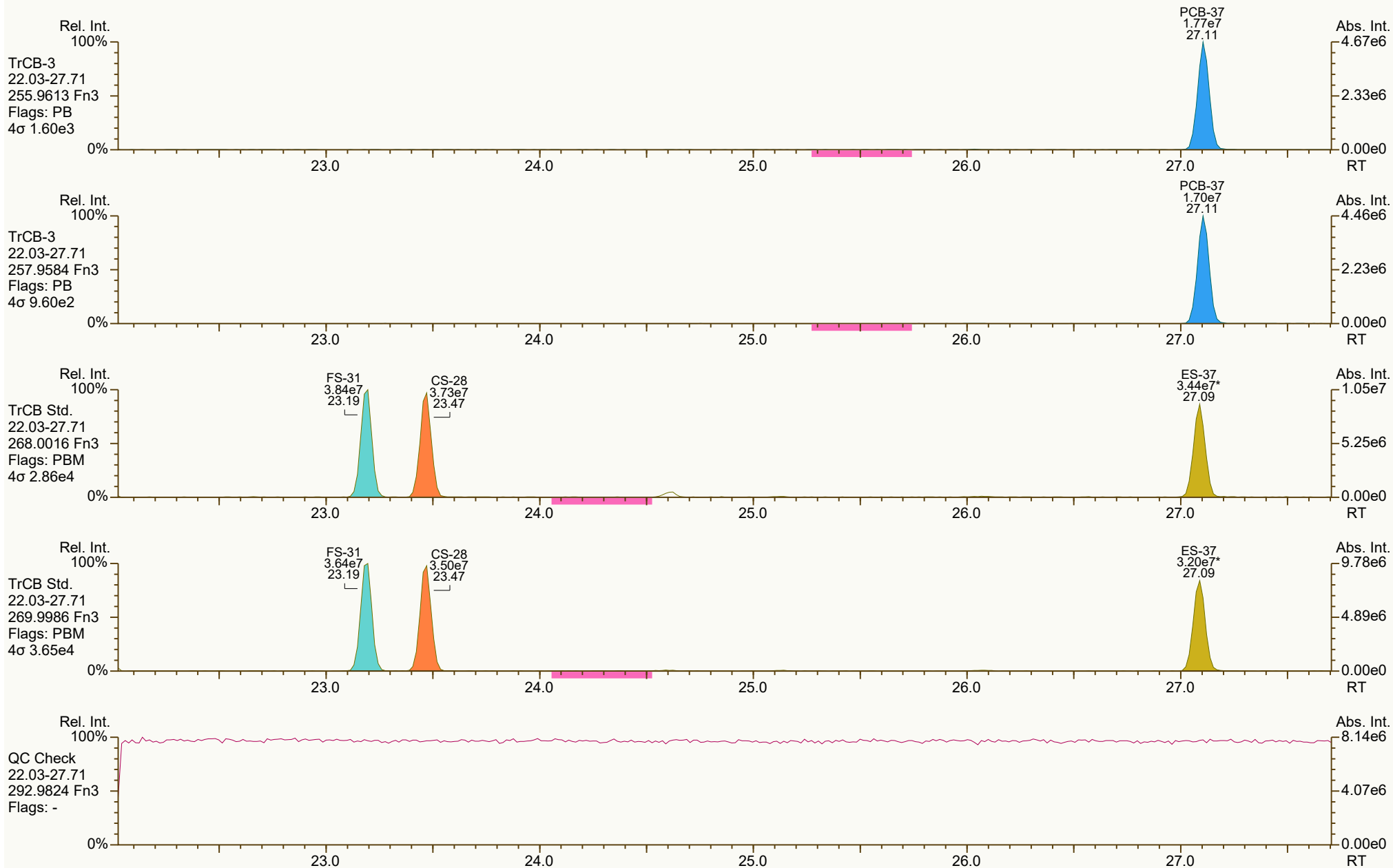
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1357, 4143 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:43 Page 5 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



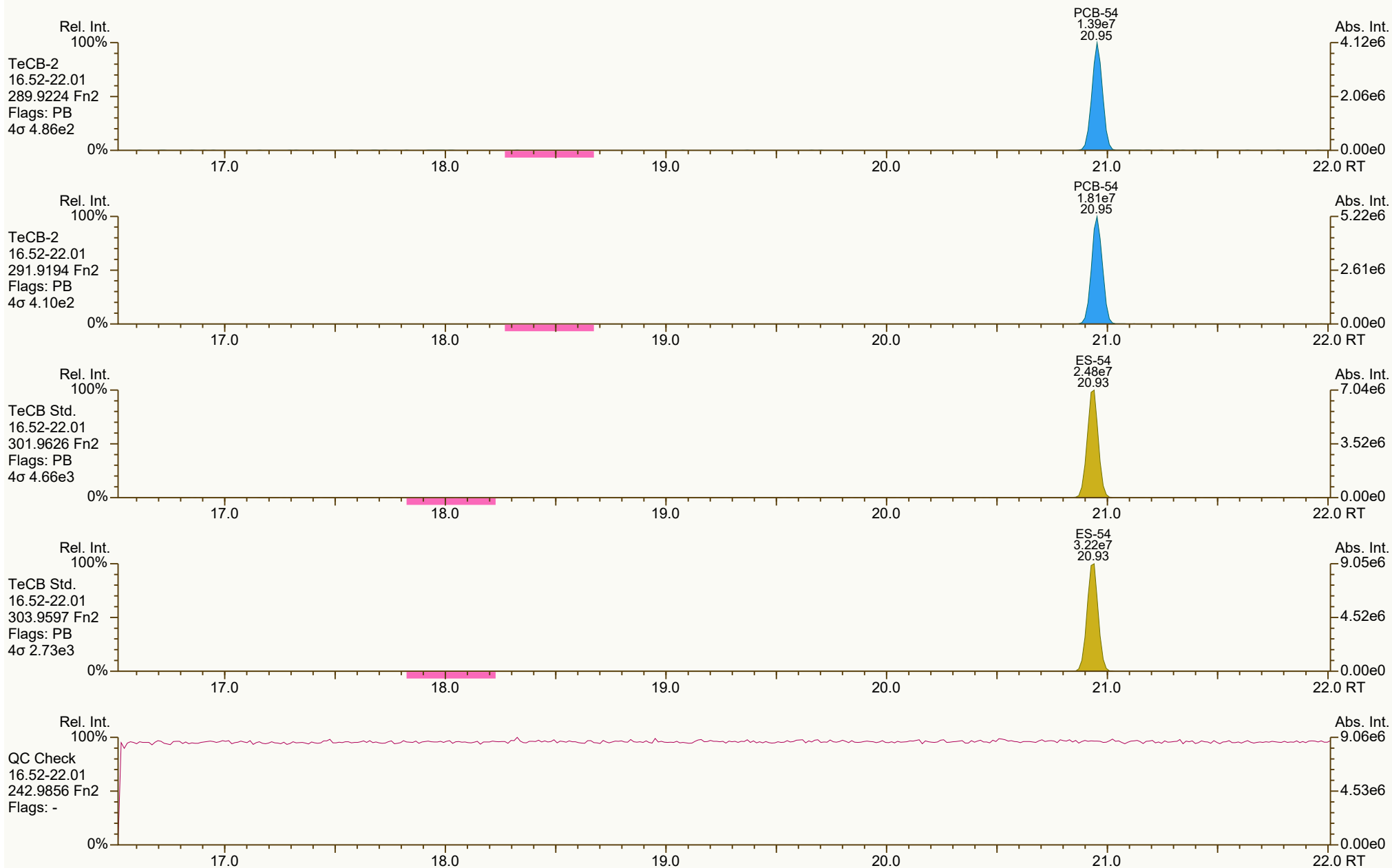
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4192, 3958 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:45 (JHL) Printed: 08-May-2024 10:43 Page 6 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



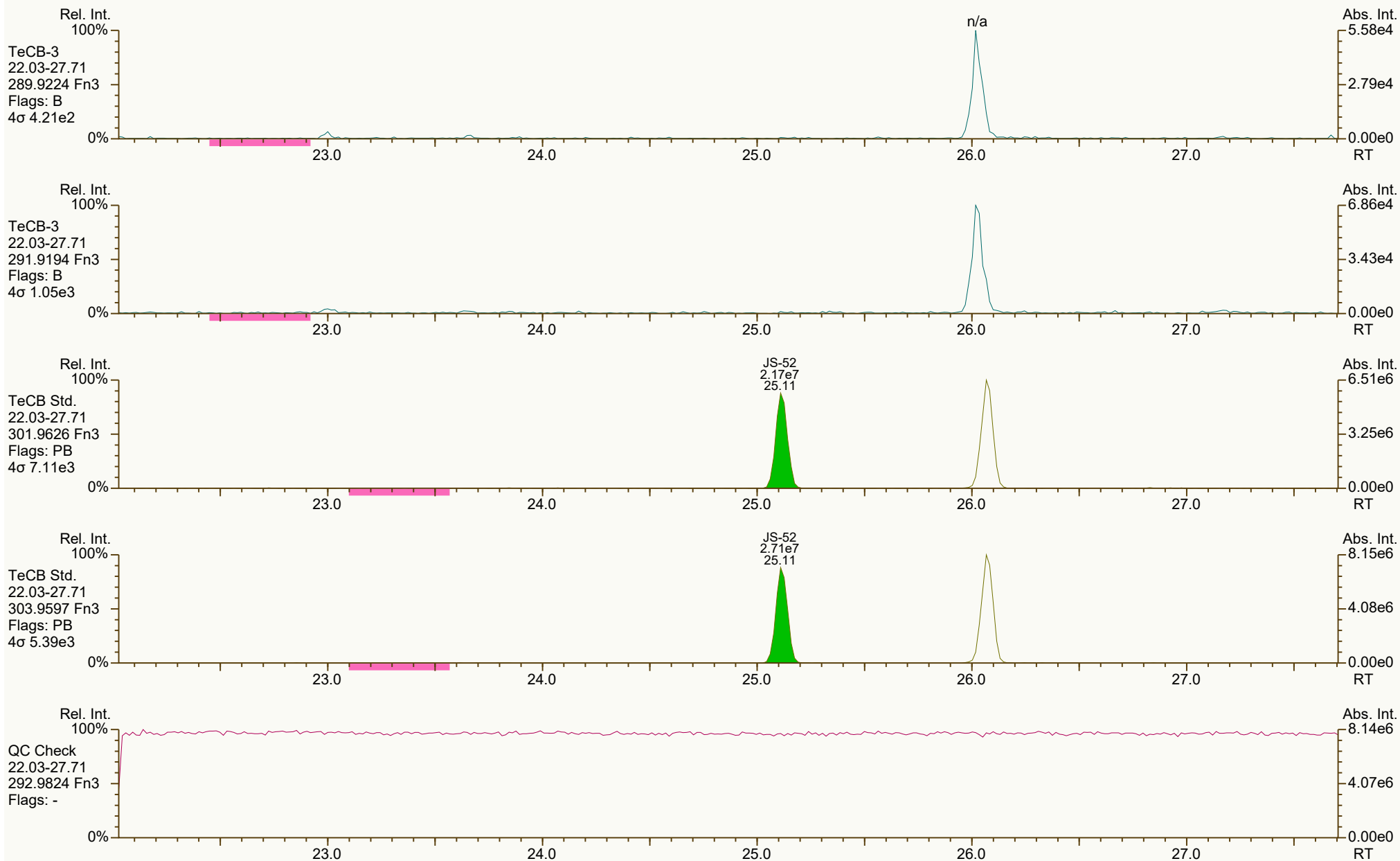
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4697, 0828 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 03-May-2024 15:15 (PSW) Printed: 08-May-2024 10:43 Page 7 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



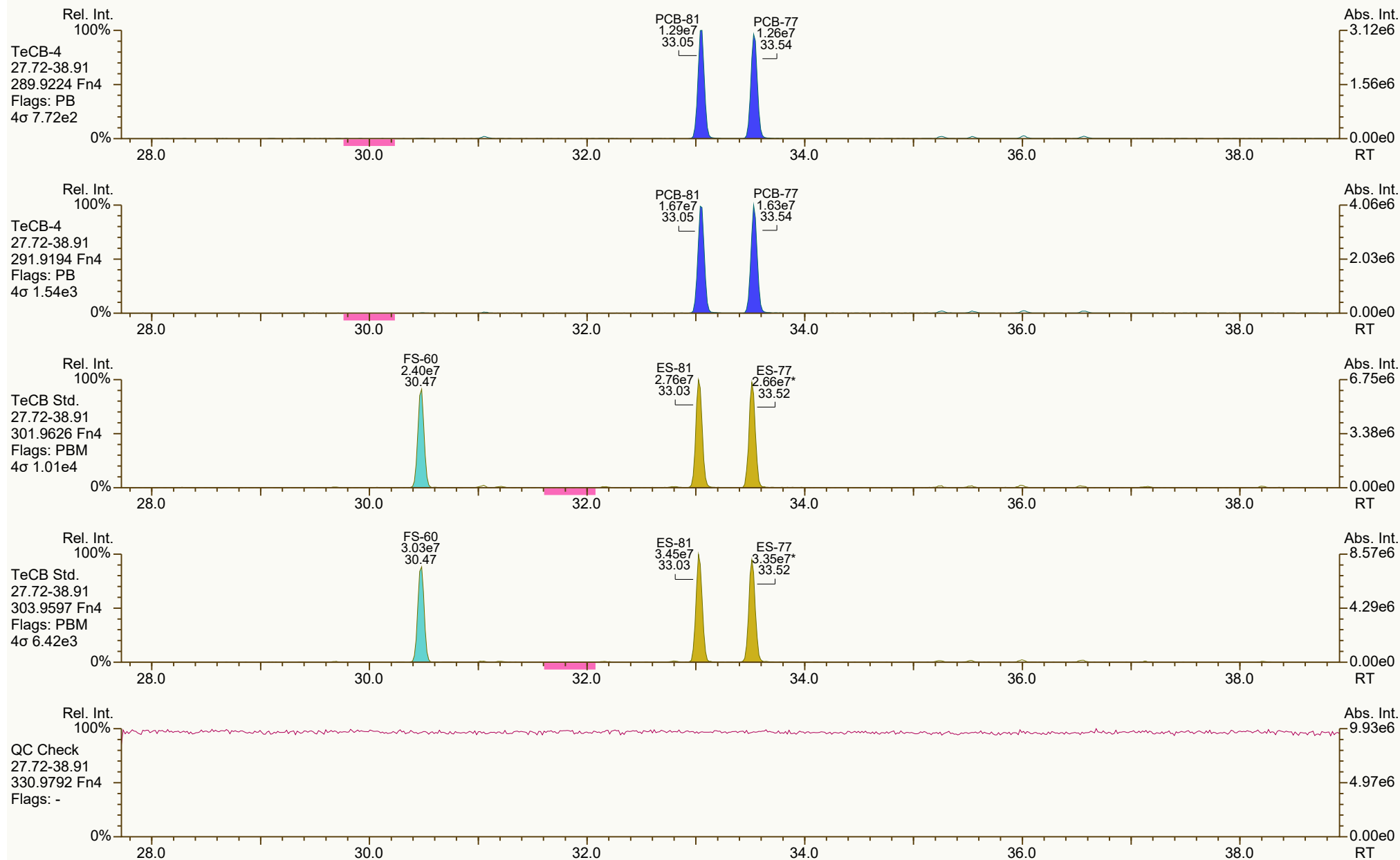
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4116, 2728 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:43 Page 8 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



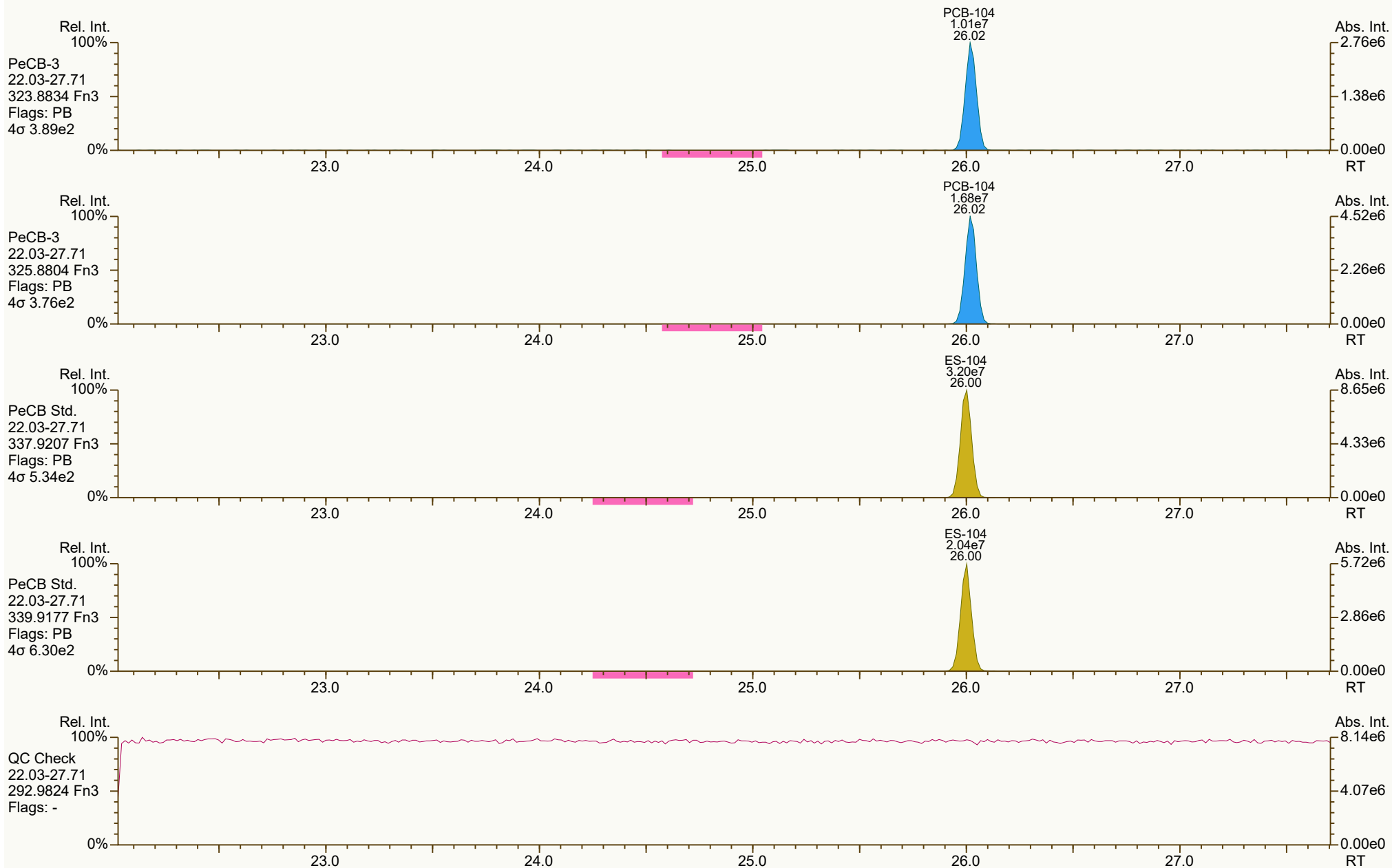
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6029, 8873 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:45 (JHL) Printed: 08-May-2024 10:43 Page 9 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

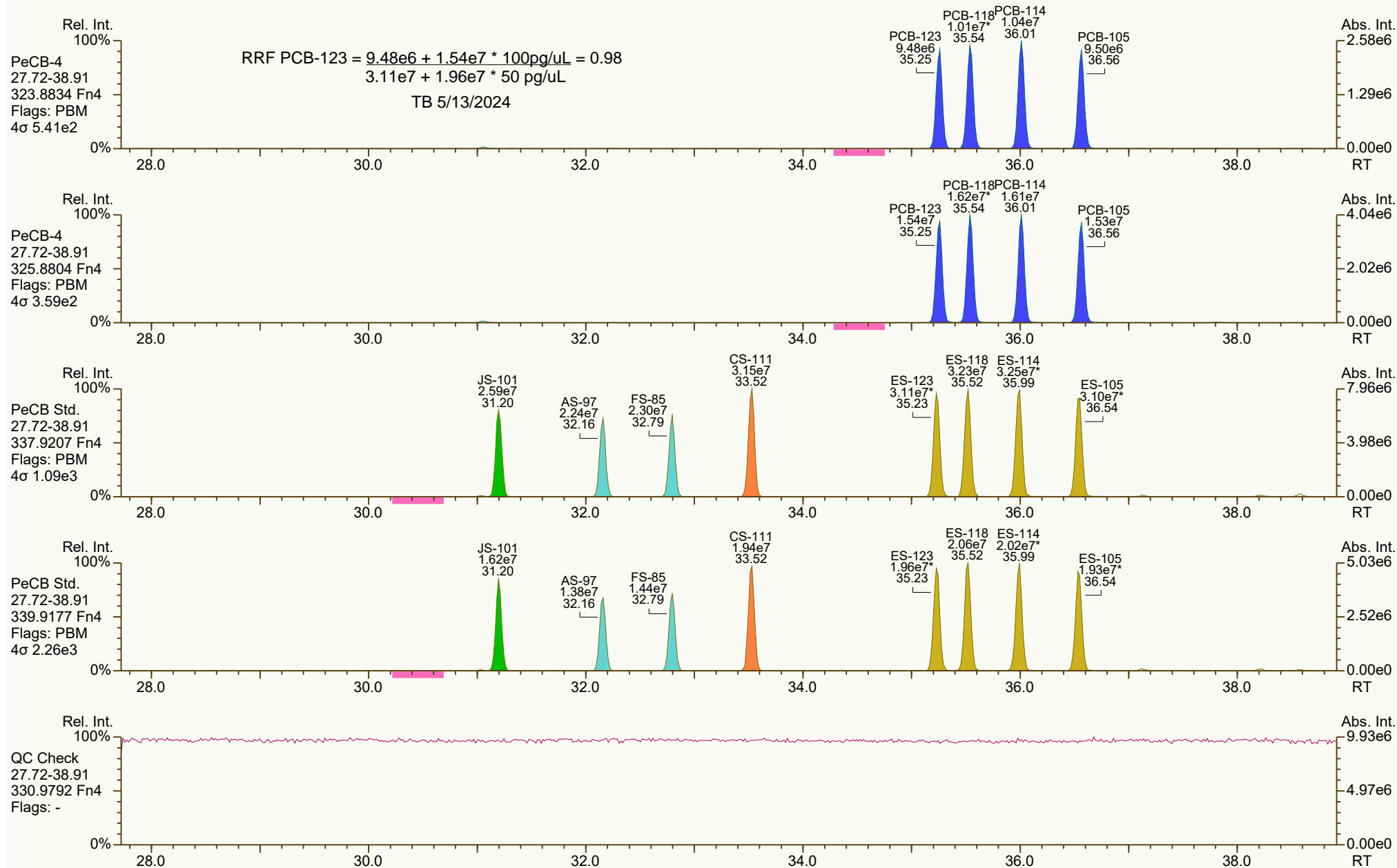
Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



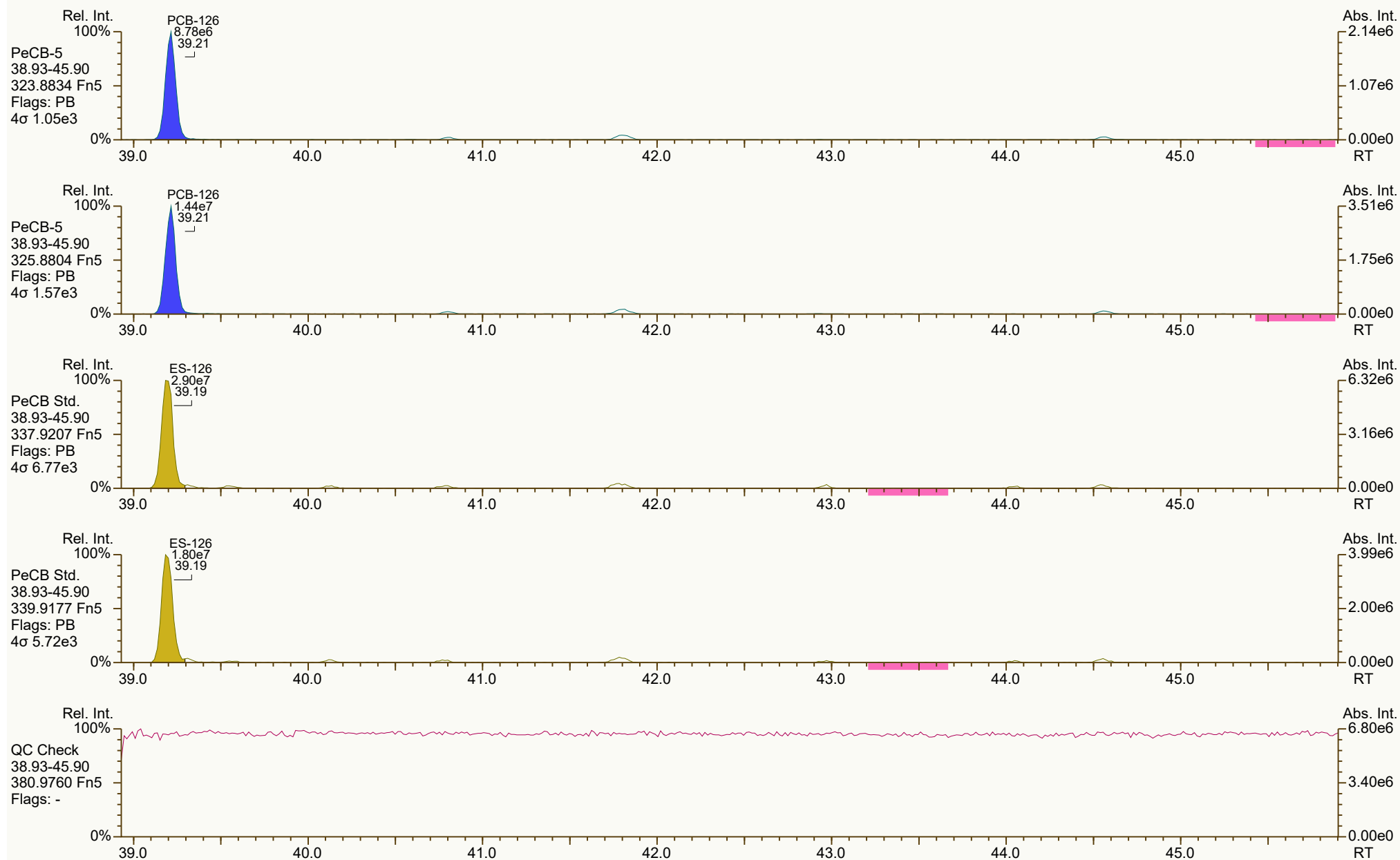
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1345, 8332 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:46 (JHL) Printed: 08-May-2024 10:43 Page 11 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



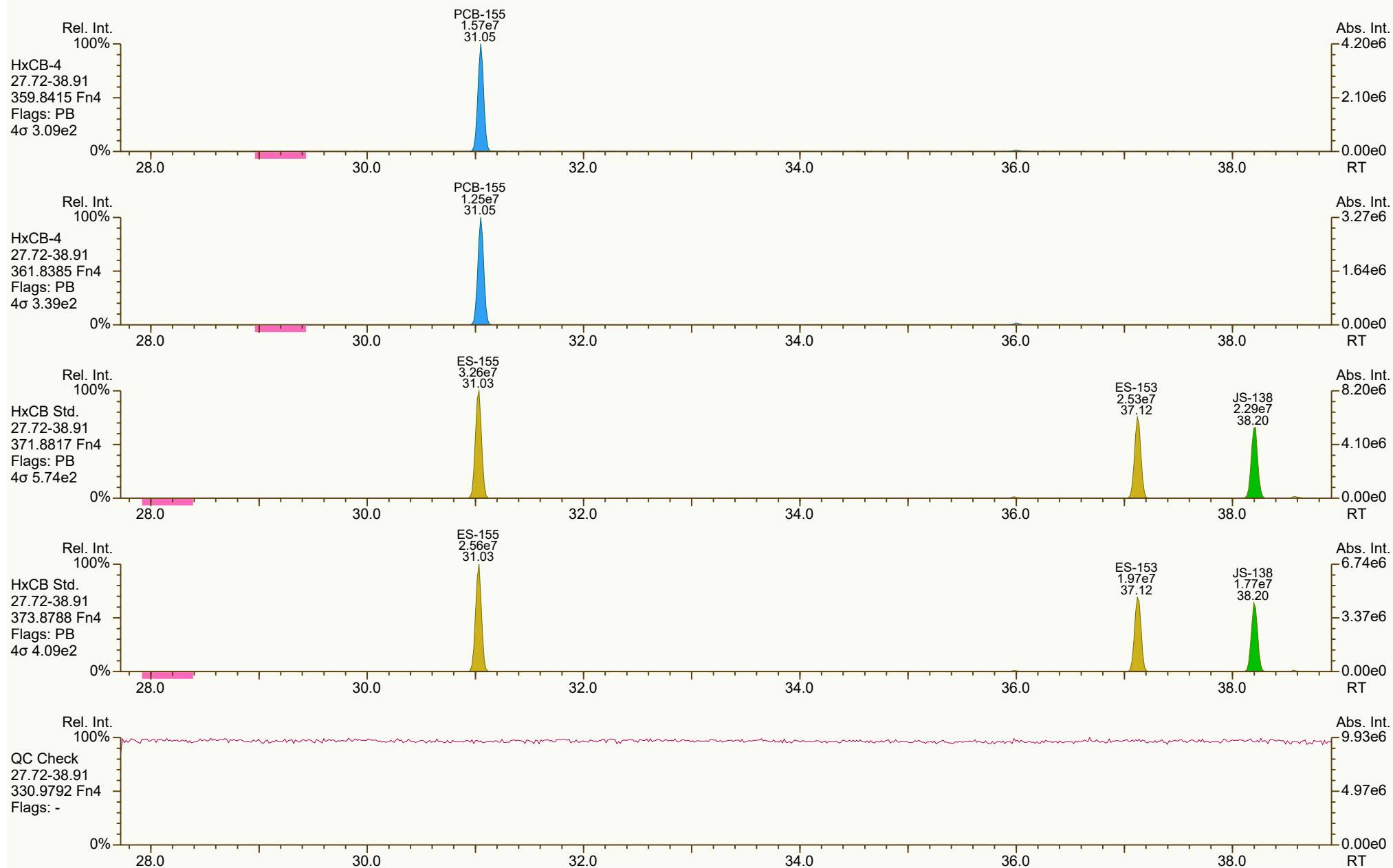
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2212, 1951 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:43 Page 12 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



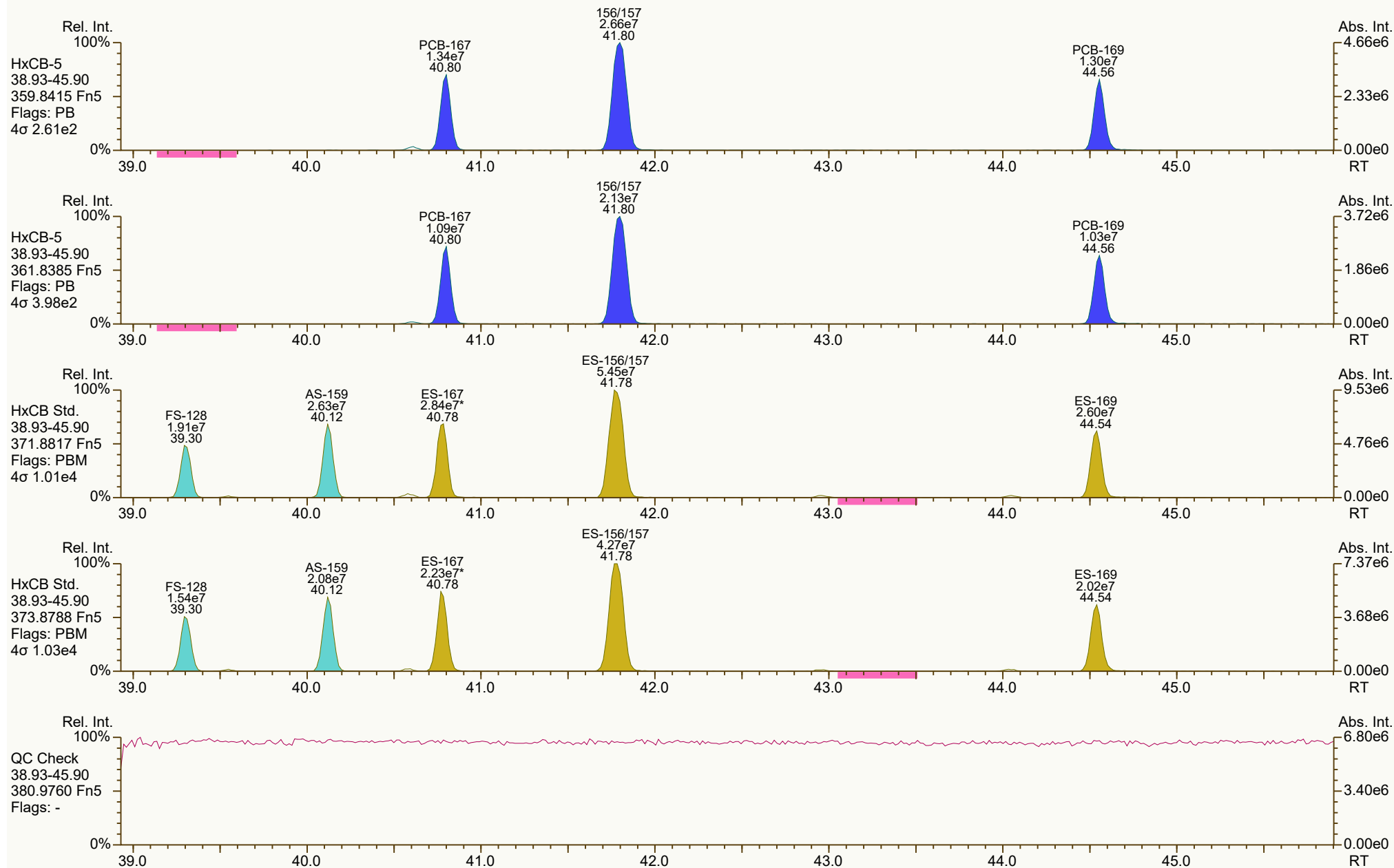
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7154, 0798 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:43 Page 13 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



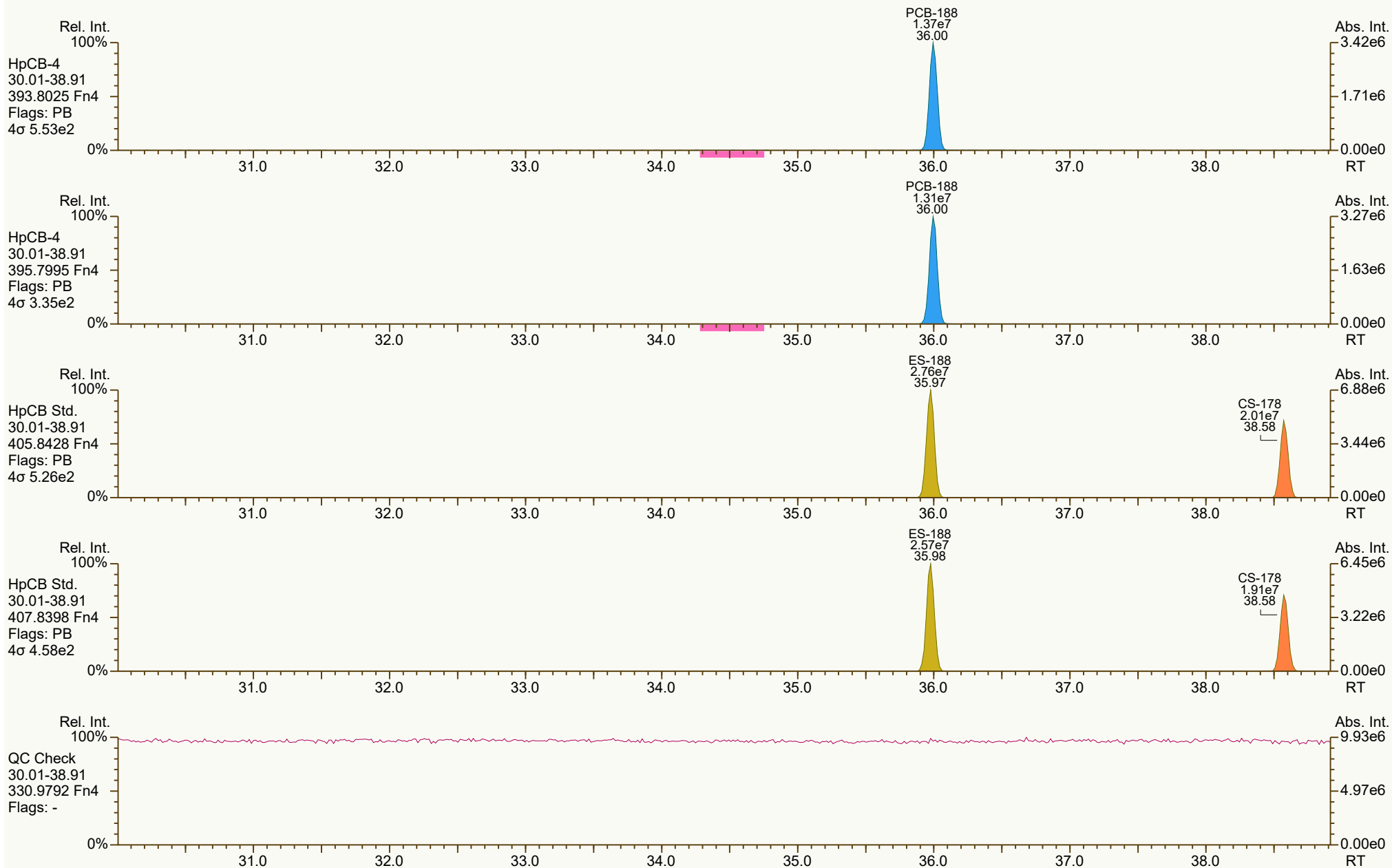
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1725, 0567 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:46 (JHL) Printed: 08-May-2024 10:43 Page 14 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5886, 2889 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:43 Page 15 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5677, 2803 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 16 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



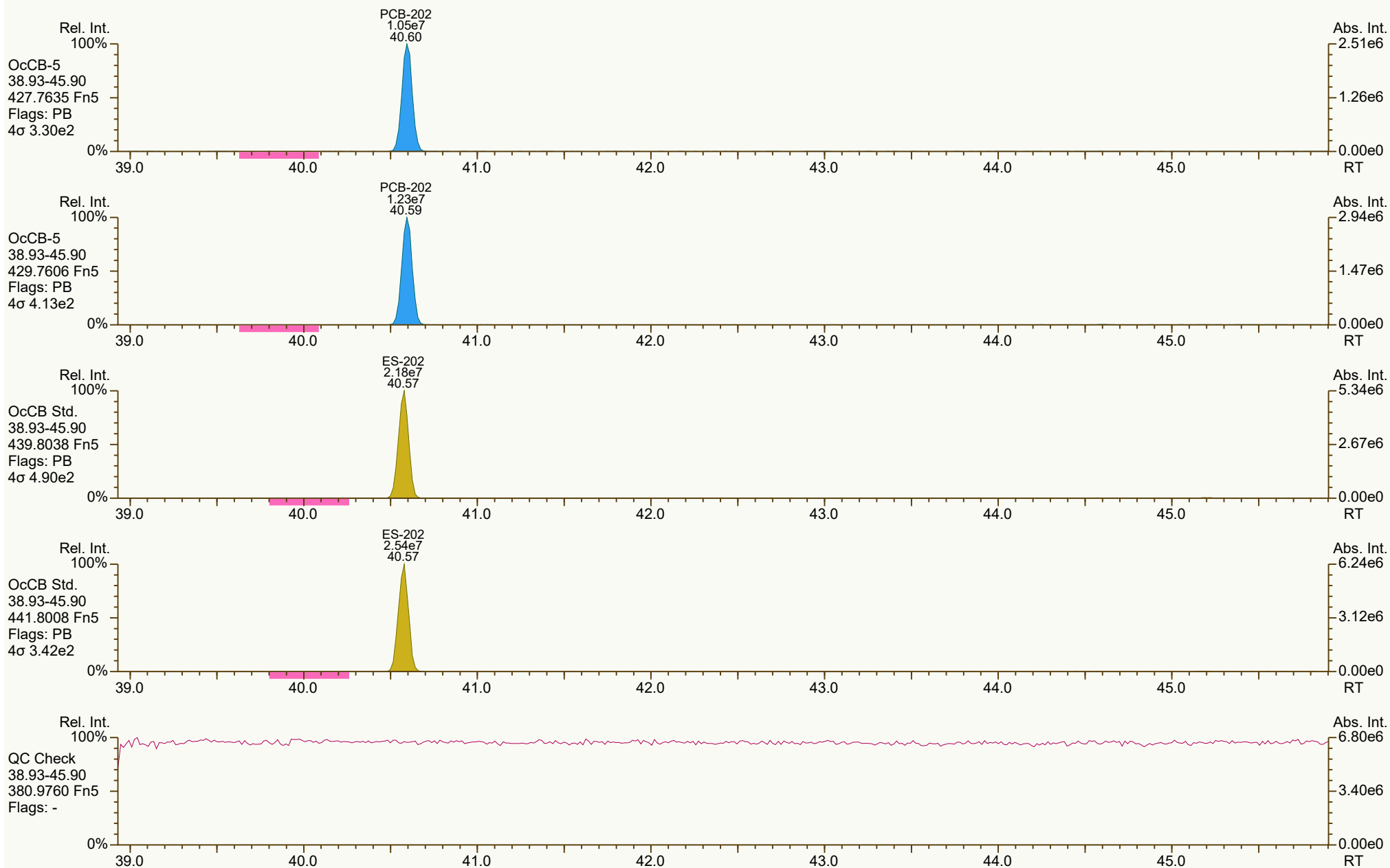
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8120, 6578 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 17 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



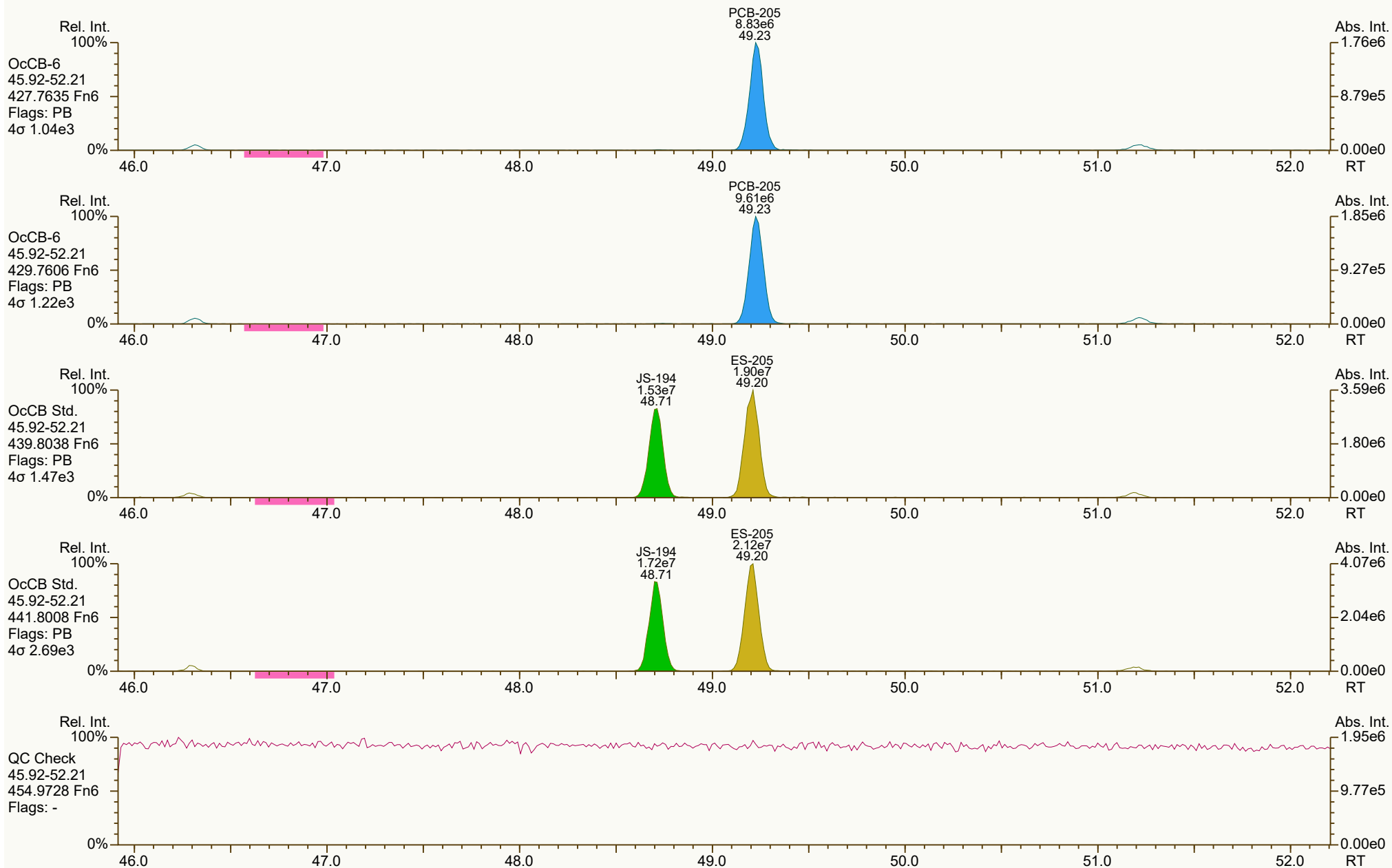
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7623, 5360 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 18 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



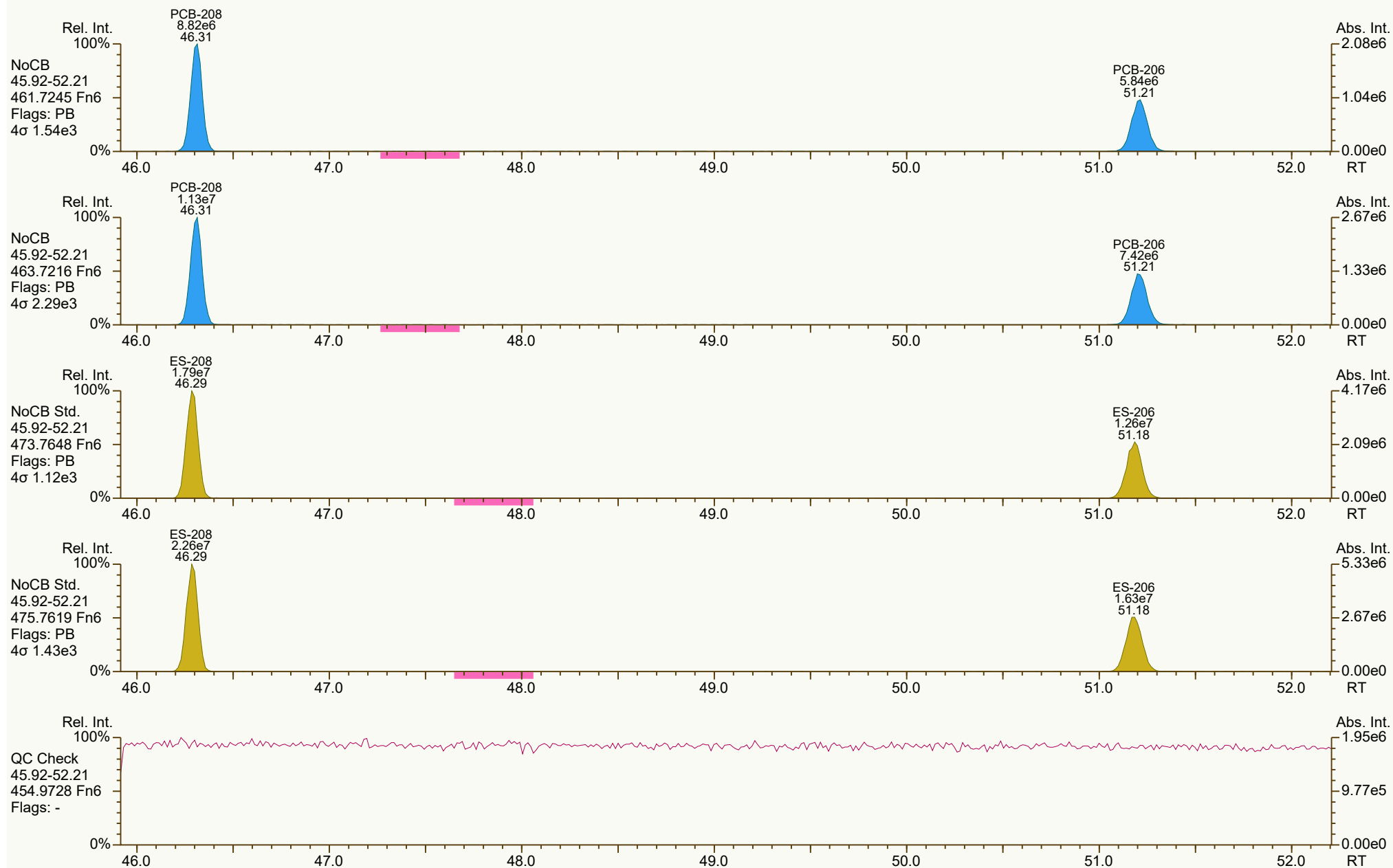
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1733, 9317 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 19 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



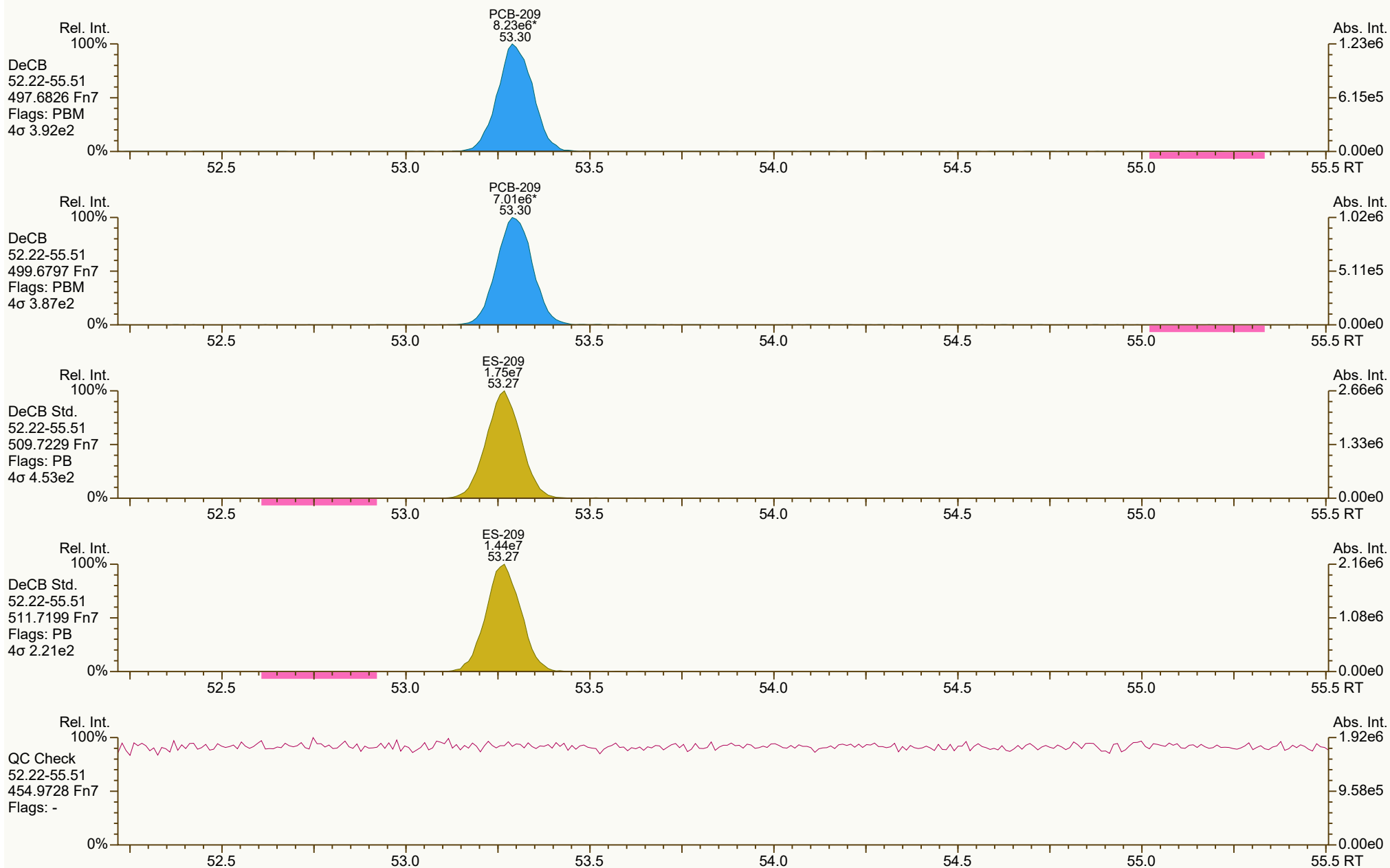
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5390, 6897 scc: 666-967

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 20 of 21

SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 4

Acq: 03-May-2024 10:54:15
User: PSW Datafile: 240503B06



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS3_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7285, 3755 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:47 (JHL) Printed: 08-May-2024 10:44 Page 21 of 21

PCB QC Summary

SGS North America

Printed: 8-May-2024 10:56

Lab ID: CS4_240503_PCB_BA
 Acquired: 3-May-24 11:51:22
 Datafile: 240503B07

ICAL: HRMS2_PCB_03MAY2024

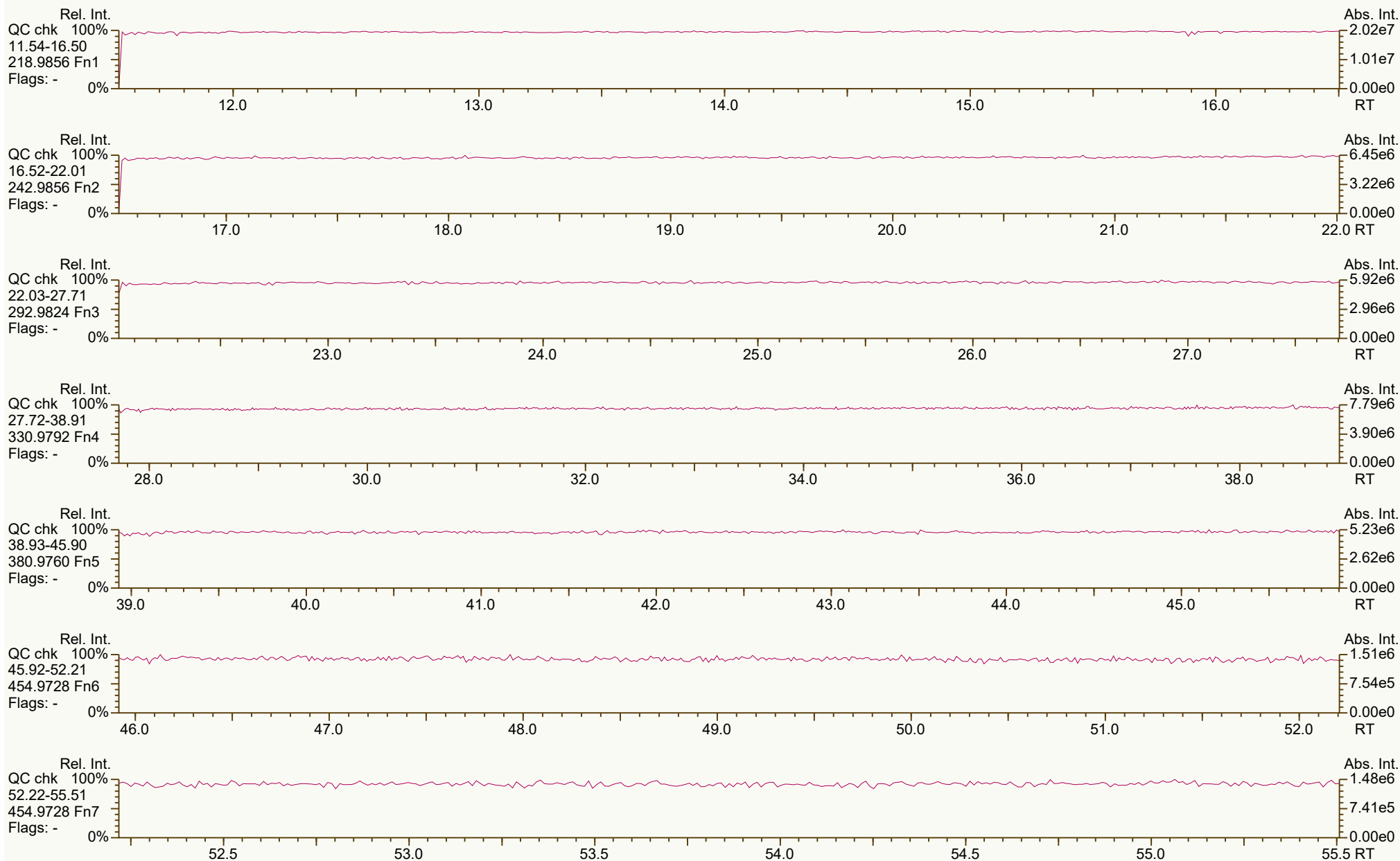
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.52	2.17E+08	0.78 Y	0.95	1.05	11.1%
PCB-81 344'5'-TeCB	33.04	2.19E+08	0.78 Y	0.94	1.02	8.4%
PCB-105 233'44'-PeCB	36.55	1.90E+08	0.62 Y	0.97	1.08	11.8%
PCB-114 2344'5'-PeCB	36.00	2.05E+08	0.66 Y	0.96	1.07	11.4%
PCB-118 23'44'5'-PeCB	35.53	1.98E+08	0.63 Y	0.99	1.06	7.8%
PCB-123 23'44'5'-PeCB	35.24	1.88E+08	0.62 Y	0.96	1.06	9.9%
PCB-126 33'44'5'-PeCB	39.20	1.83E+08	0.62 Y	0.96	1.09	12.9%
PCB-156/157 ...-HxCB	41.79	3.79E+08	1.25 Y	0.96	1.08	12.3%
PCB-167 23'44'55'-HxCB	40.78	1.90E+08	1.26 Y	0.94	1.03	10.3%
PCB-169 33'44'55'-HxCB	44.54	1.82E+08	1.25 Y	0.97	1.05	8.6%
PCB-189 233'44'55'-HpCB	46.71	1.68E+08	1.04 Y	0.93	1.04	12.2%
PCB-209 DeCB	53.29	1.23E+08	1.18 Y	0.95	1.04	9.5%
ES PCB-1	12.17	8.44E+07	3.11 Y	1.19	1.23	3.6%
ES PCB-3	14.53	7.97E+07	3.10 Y	1.13	1.16	3.0%
ES PCB-4	14.78	5.05E+07	1.61 Y	0.72	0.74	2.0%
ES PCB-15	20.63	7.36E+07	1.60 Y	1.07	1.07	0.2%
ES PCB-19	17.95	4.40E+07	1.04 Y	0.65	0.64	-1.0%
ES PCB-37	27.08	5.46E+07	1.08 Y	1.40	1.40	-0.1%
ES PCB-54	20.92	4.76E+07	0.76 Y	1.23	1.22	-1.3%
ES PCB-77	33.51	5.14E+07	0.83 Y	1.28	1.32	2.7%
ES PCB-81	33.02	5.34E+07	0.79 Y	1.33	1.37	2.9%
ES PCB-104	25.99	4.47E+07	1.60 Y	1.32	1.30	-1.2%
ES PCB-105	36.53	4.39E+07	1.58 Y	1.26	1.28	1.5%
ES PCB-114	35.98	4.79E+07	1.62 Y	1.34	1.39	3.7%
ES PCB-118	35.50	4.65E+07	1.61 Y	1.31	1.35	3.1%
ES PCB-123	35.22	4.45E+07	1.56 Y	1.27	1.29	1.9%
ES PCB-126	39.18	4.20E+07	1.65 Y	1.19	1.22	2.8%
ES PCB-153	37.11	3.83E+07	1.32 Y	1.11	1.08	-3.2%
ES PCB-155	31.02	4.96E+07	1.26 Y	1.45	1.39	-4.0%
ES PCB-156/157	41.77	8.79E+07	1.28 Y	1.24	1.23	-0.4%
ES PCB-167	40.76	4.59E+07	1.24 Y	1.29	1.29	0.2%
ES PCB-169	44.53	4.32E+07	1.25 Y	1.18	1.21	2.8%
ES PCB-170	44.02	3.05E+07	1.07 Y	1.06	1.06	0.4%
ES PCB-180	42.94	3.62E+07	1.10 Y	1.25	1.26	0.7%
ES PCB-188	35.96	4.71E+07	1.07 Y	1.36	1.32	-2.8%
ES PCB-189	46.69	4.06E+07	1.08 Y	1.37	1.41	2.9%
ES PCB-202	40.56	4.17E+07	0.90 Y	1.19	1.17	-1.8%
ES PCB-205	49.19	3.69E+07	0.92 Y	1.23	1.28	4.3%
ES PCB-206	51.17	2.62E+07	0.77 Y	0.89	0.91	2.8%
ES PCB-208	46.27	3.62E+07	0.80 Y	1.26	1.26	0.5%
ES PCB-209	53.25	2.94E+07	1.20 Y	0.98	1.03	4.3%

PCB QC Summary		SGS North America			Printed: 8-May-2024 10:56	
Lab ID:	CS4_240503_PCB_BA			ICAL: HRMS2_PCB_03MAY2024		
Acquired:	3-May-24 11:51:22					
Datafile:	240503B07					
Name	RT	Response	RA	ICAL	RRF	Dev'n
SS PCB-28	23.45	5.35E+07	1.04 Y	1.04	0.98	-5.5%
SS PCB-111	33.51	4.14E+07	1.62 Y	0.98	0.93	-5.4%
SS PCB-178	38.56	3.21E+07	1.06 Y	0.71	0.68	-3.6%
CS PCB-28	23.45	5.35E+07	1.04 Y	1.44	1.37	-5.0%
CS PCB-111	33.51	4.14E+07	1.62 Y	1.24	1.20	-3.3%
CS PCB-178	38.56	3.21E+07	1.06 Y	0.96	0.90	-6.2%
JS PCB-9	16.81	6.85E+07	1.61 Y	-	-	-
JS PCB-52	25.10	3.91E+07	0.80 Y	-	-	-
JS PCB-101	31.19	3.44E+07	1.61 Y	-	-	-
JS PCB-138	38.19	3.56E+07	1.23 Y	-	-	-
JS PCB-194	48.70	2.87E+07	0.89 Y	-	-	-
PCB-1 2-MoCB	12.18	3.51E+08	3.20 Y	1.01	1.04	3.2%
PCB-3 4-MoCB	14.54	3.46E+08	3.07 Y	1.01	1.08	6.8%
PCB-4 22'-DiCB	14.80	2.16E+08	1.60 Y	0.98	1.07	8.7%
PCB-15 44'-DiCB	20.65	3.17E+08	1.57 Y	0.97	1.08	11.4%
PCB-19 22'6-TrCB	17.96	2.01E+08	1.05 Y	1.03	1.15	10.7%
PCB-37 344'-TrCB	27.09	2.52E+08	1.04 Y	1.03	1.15	11.8%
PCB-54 22'66'-TeCB	20.94	2.32E+08	0.78 Y	1.09	1.22	12.0%
PCB-104 22'466'-PeCB	26.01	1.98E+08	0.63 Y	1.00	1.10	10.3%
PCB-155 22'44'66'-HxCB	31.04	2.06E+08	1.24 Y	0.95	1.04	9.1%
PCB-188 22'34'566'-HpCB	35.98	2.02E+08	1.04 Y	0.96	1.07	11.3%
PCB-202 22'33'55'66'-OoCB	40.58	1.75E+08	0.89 Y	0.96	1.05	9.9%
PCB-205 233'44'55'6-OoCB	49.22	1.51E+08	0.89 Y	0.92	1.02	11.0%
PCB-208 22'33'455'66'-NoCB	46.30	1.56E+08	0.79 Y	0.96	1.08	12.4%
PCB-206 22'33'44'55'6-NoCB	51.20	1.07E+08	0.79 Y	0.93	1.02	10.4%
FS PCB-8	17.65	6.83E+07	1.63 Y	0.91	0.93	1.7%
FS PCB-31	23.174	5.80E+07	1.03 Y	1.06	1.06	0.2%
FS PCB-60	30.46	4.42E+07	0.81 Y	0.83	0.83	-0.3%
FS PCB-85	32.78	3.04E+07	1.58 Y	0.69	0.68	-1.0%
FS PCB-128	39.291	2.97E+07	1.30 Y	0.65	0.65	-0.6%
FS PCB-182	39.53	3.30E+07	1.02 Y	0.91	0.91	-0.3%

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



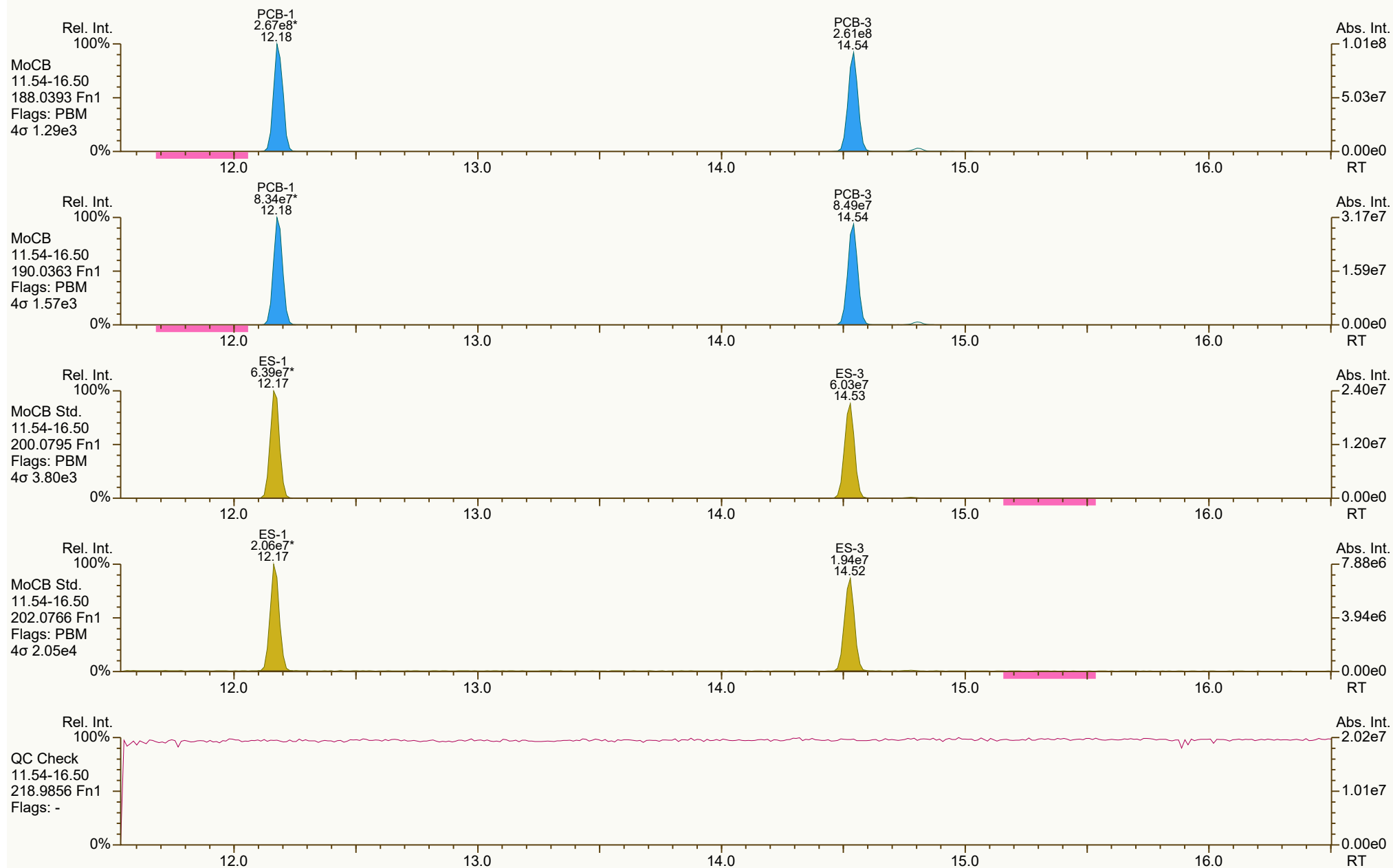
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 290-400

Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 10:44 Page 1 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4654, 1553 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:49 (JHL) Printed: 08-May-2024 10:44 Page 2 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



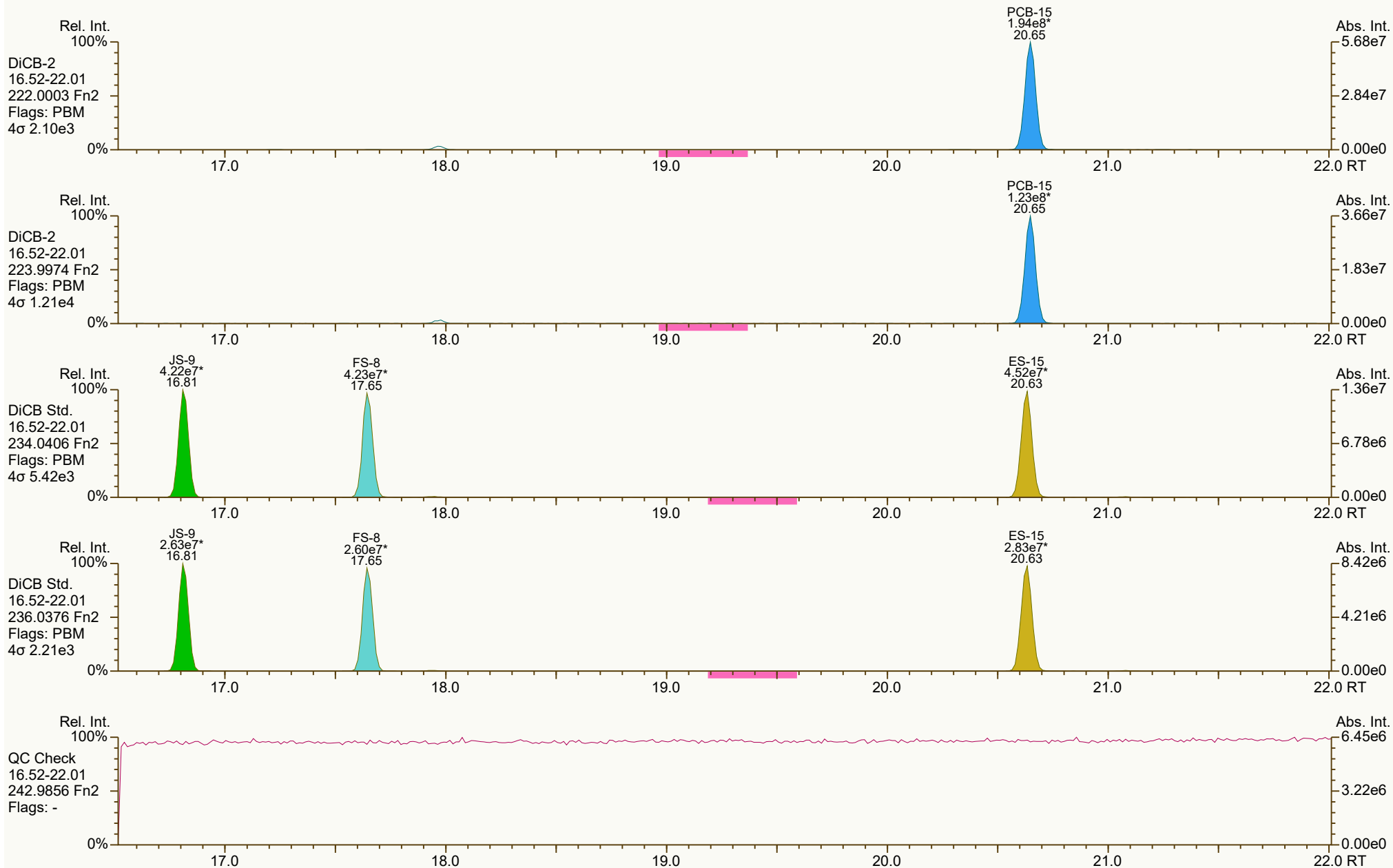
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2407, 5884 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 03-May-2024 15:58 (PSW) Printed: 08-May-2024 10:44 Page 3 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8188, 9567 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:49 (JHL) Printed: 08-May-2024 10:44 Page 4 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1556, 5194 scc: 290-400

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 5 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



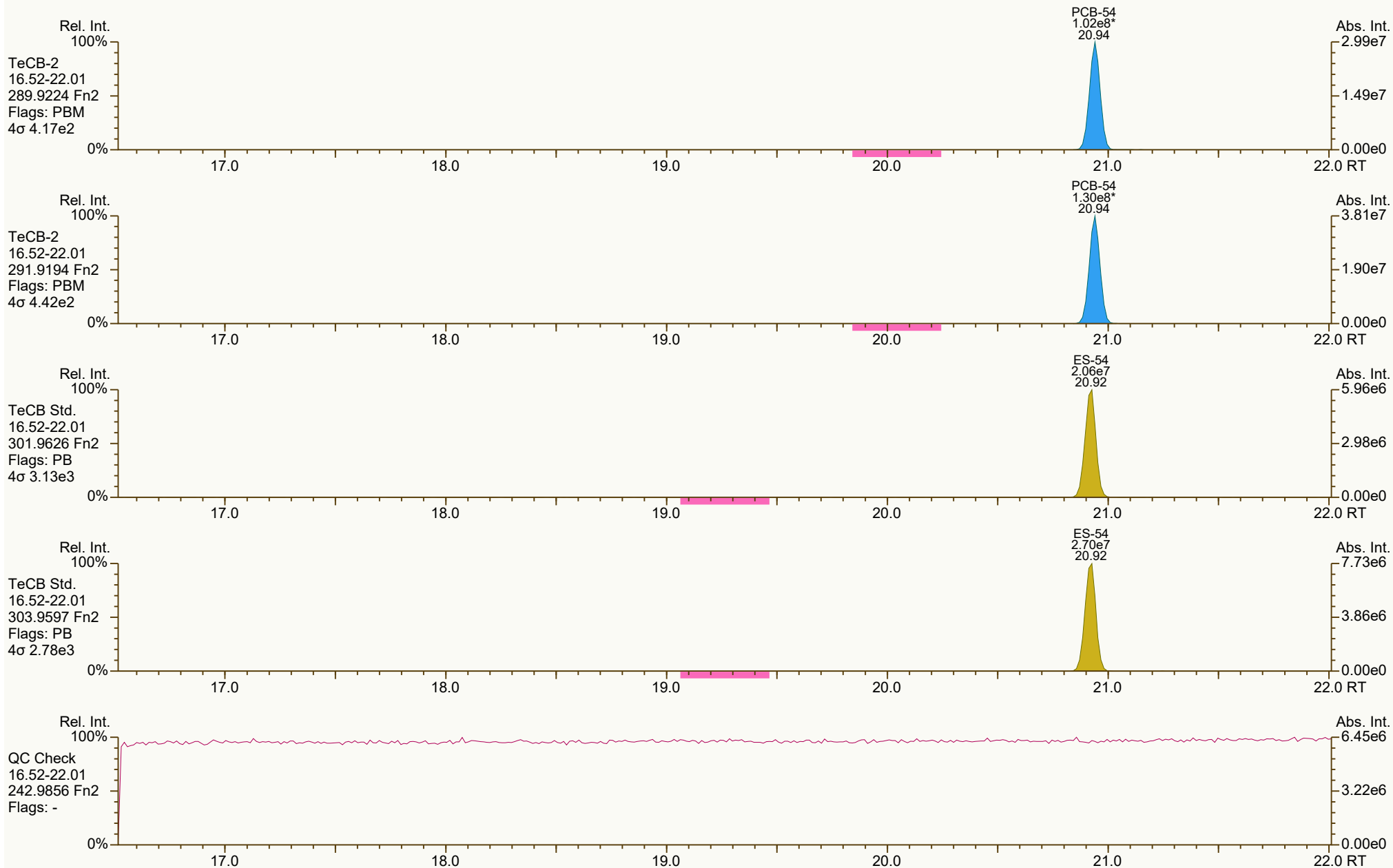
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3282, 4339 scc: 290-400

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 6 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6129, 7353 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:49 (JHL) Printed: 08-May-2024 10:44 Page 7 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

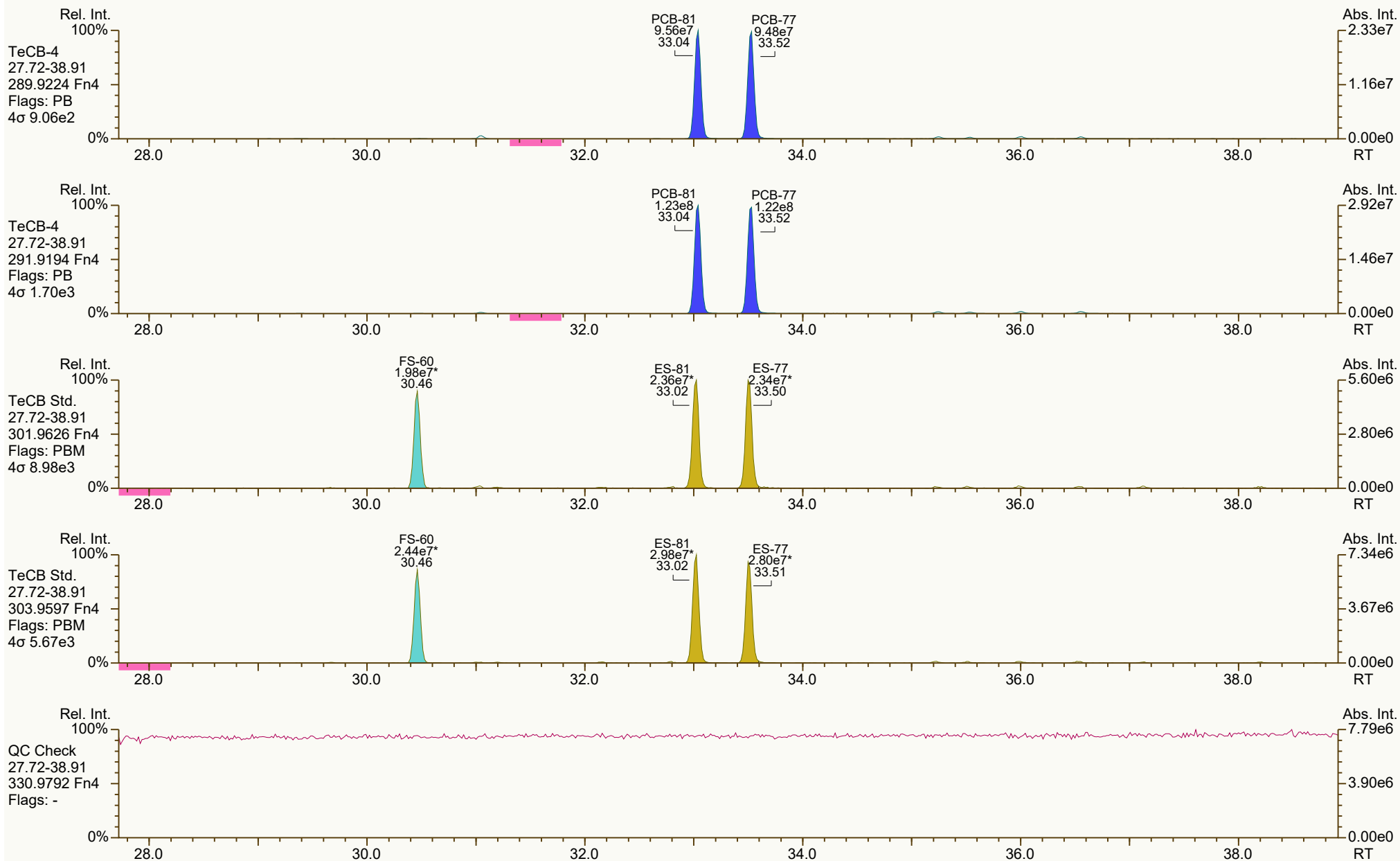
Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



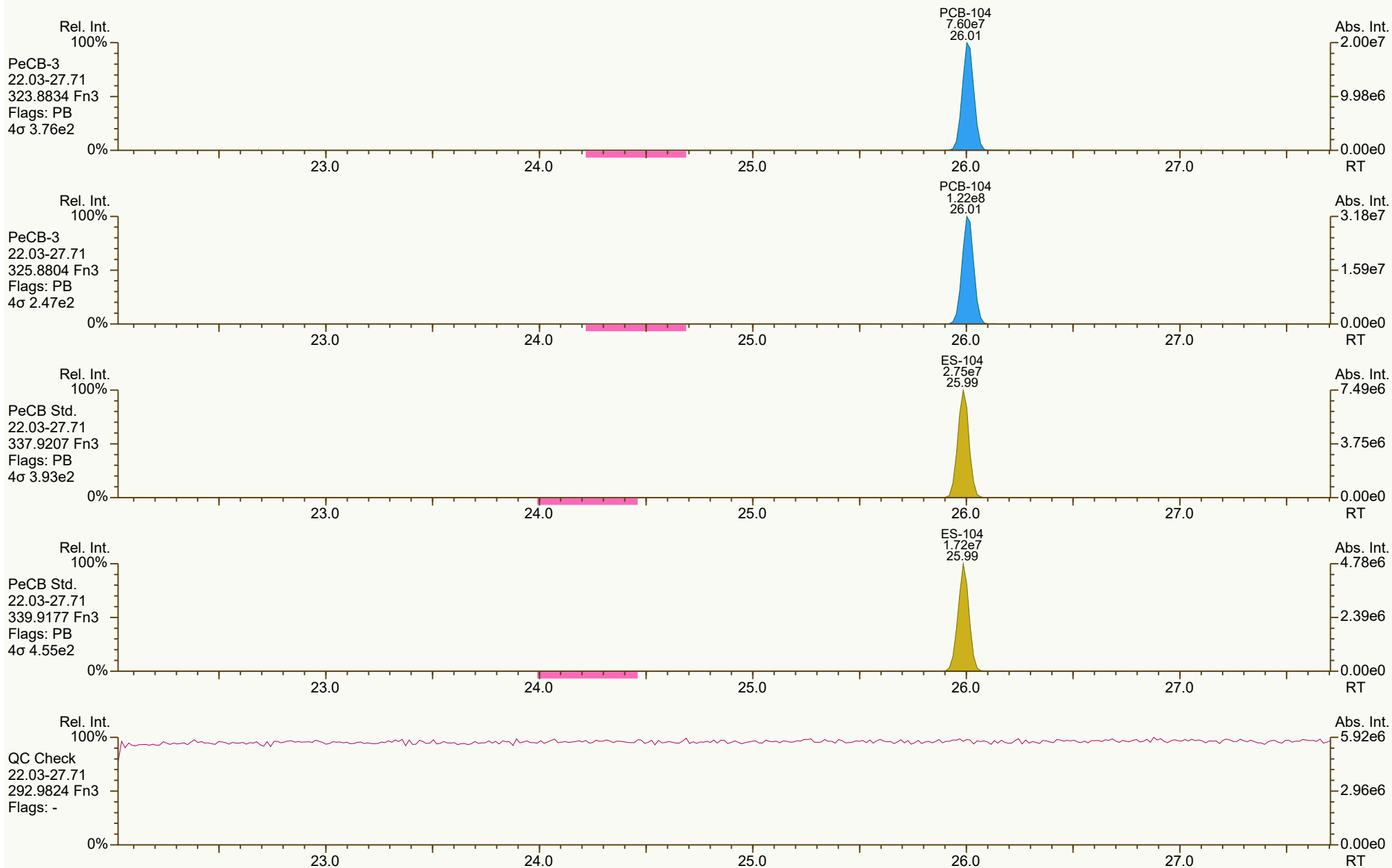
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9928, 5907 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:55 (JHL) Printed: 08-May-2024 10:44 Page 9 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



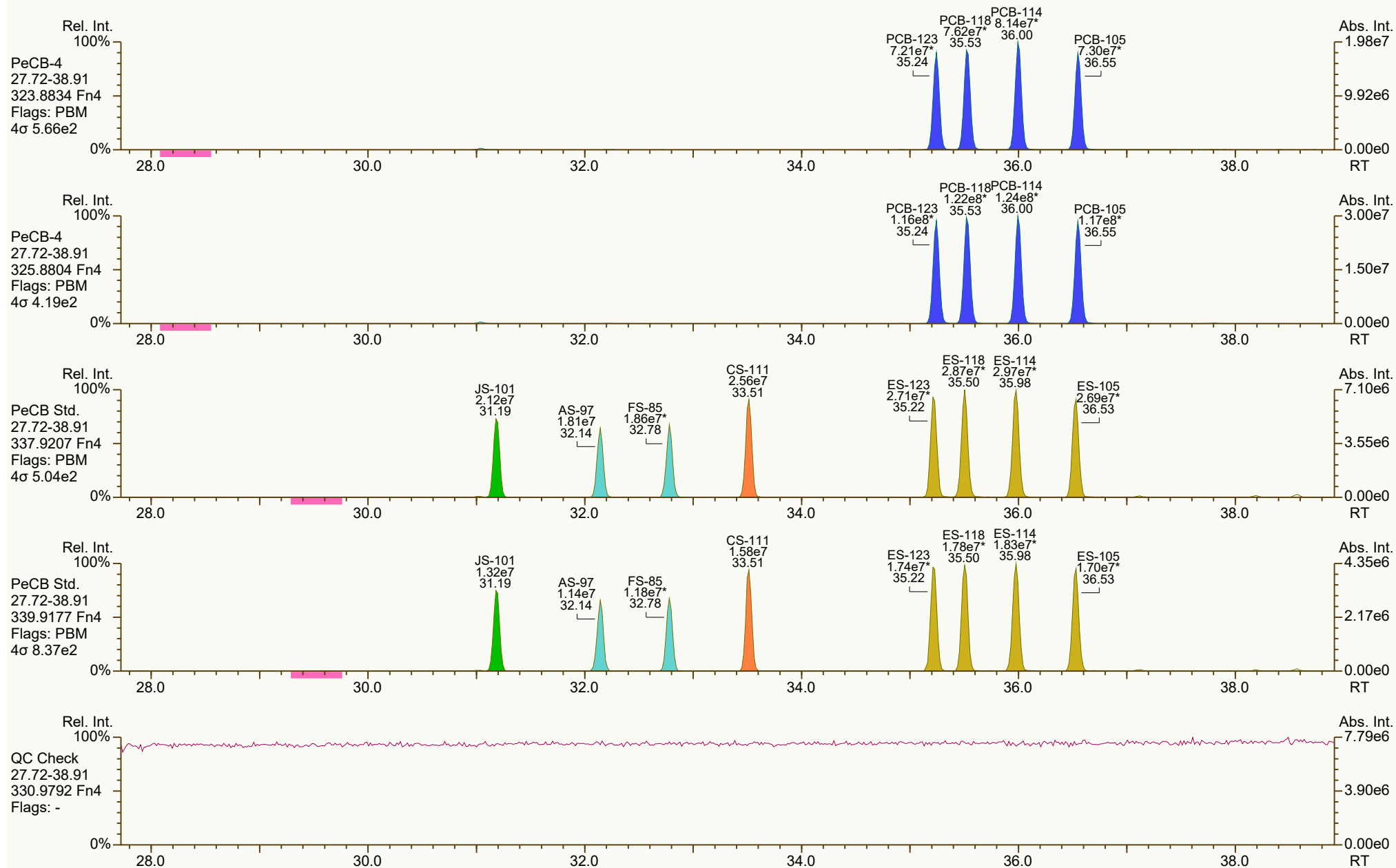
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9729, 8072 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 03-May-2024 15:58 (PSW) Printed: 08-May-2024 10:44 Page 10 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



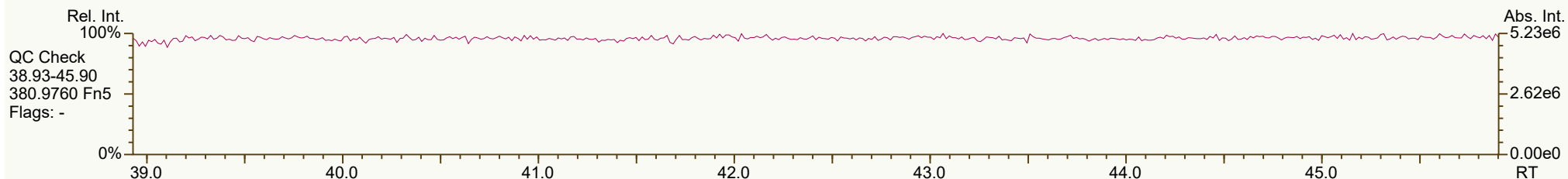
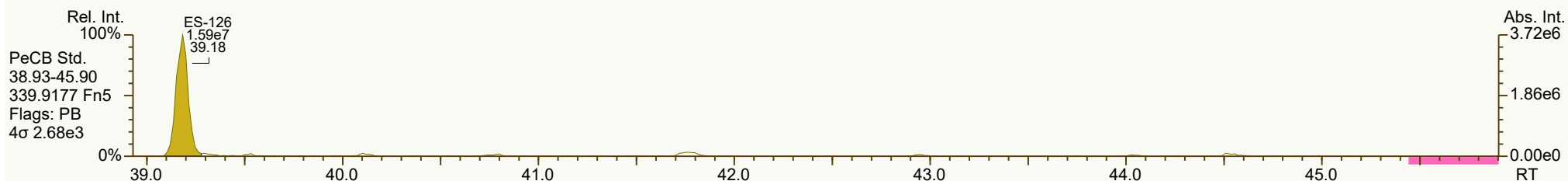
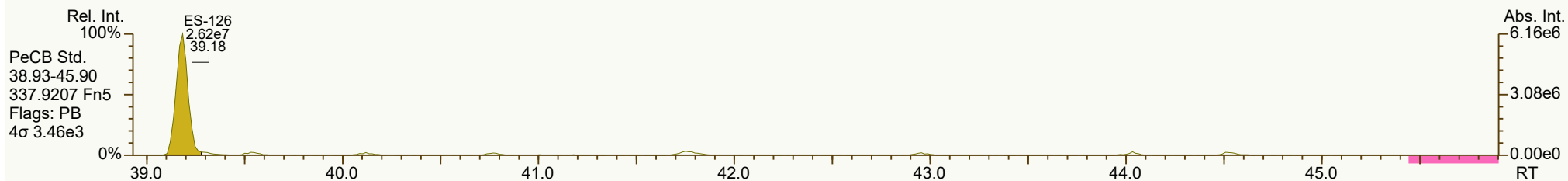
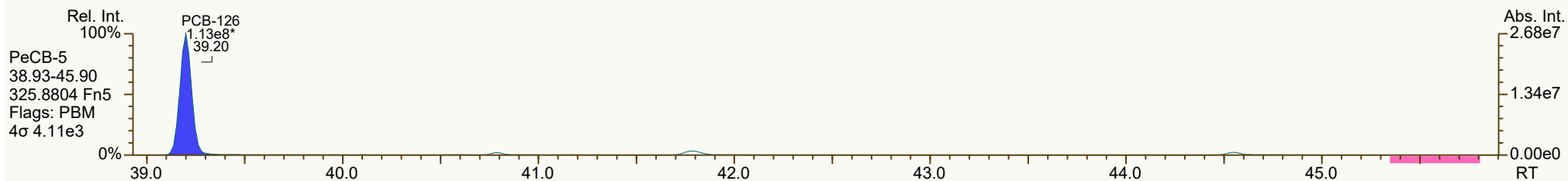
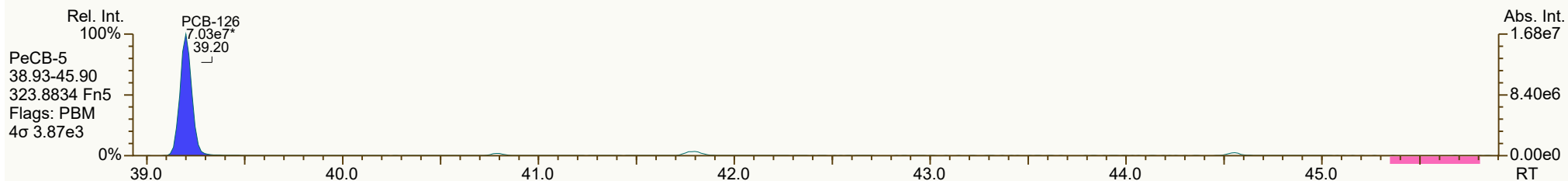
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8854, 5542 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:52 (JHL) Printed: 08-May-2024 10:44 Page 11 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2510, 5425 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:52 (JHL) Printed: 08-May-2024 10:44 Page 12 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



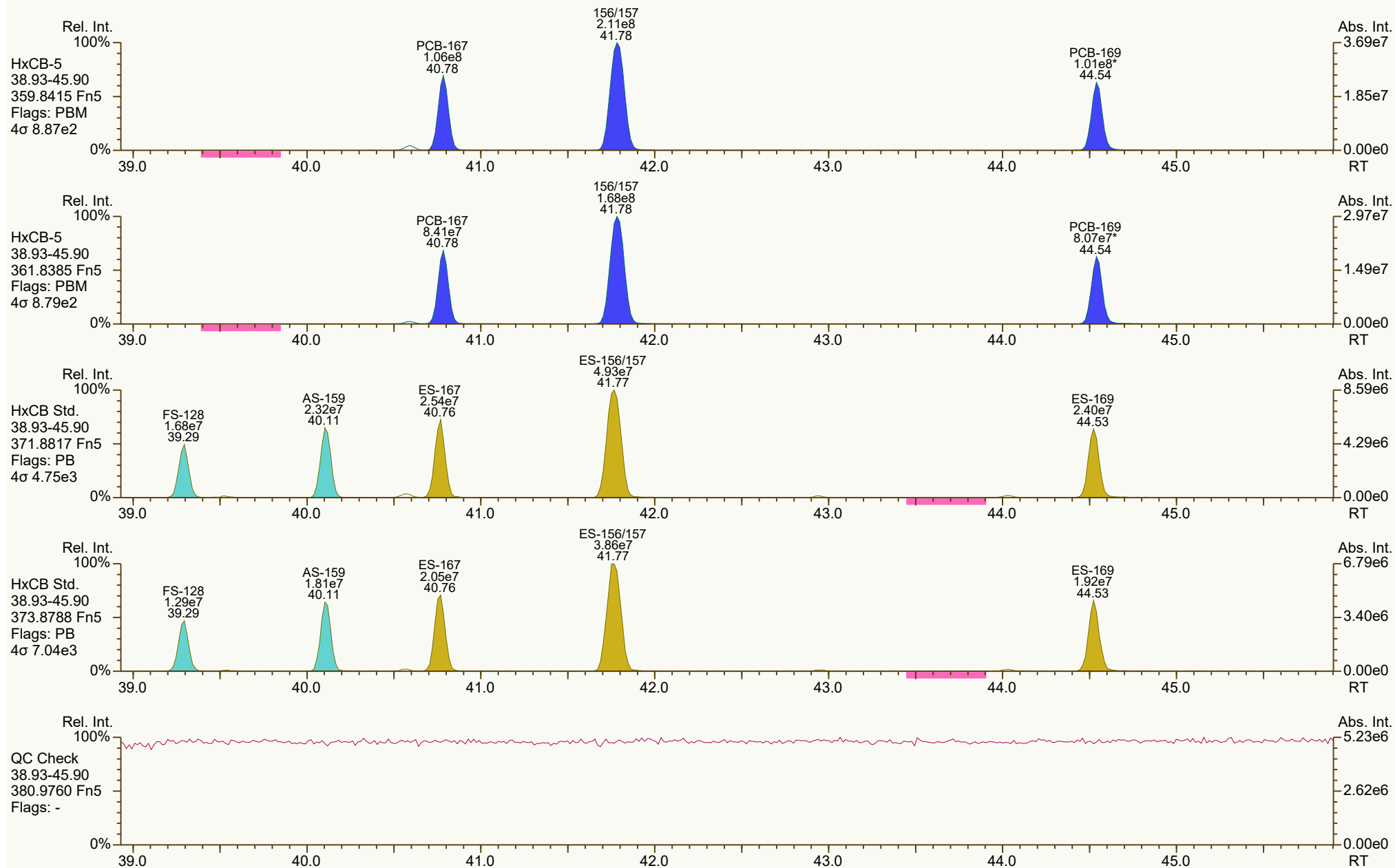
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0253, 1158 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:52 (JHL) Printed: 08-May-2024 10:44 Page 13 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



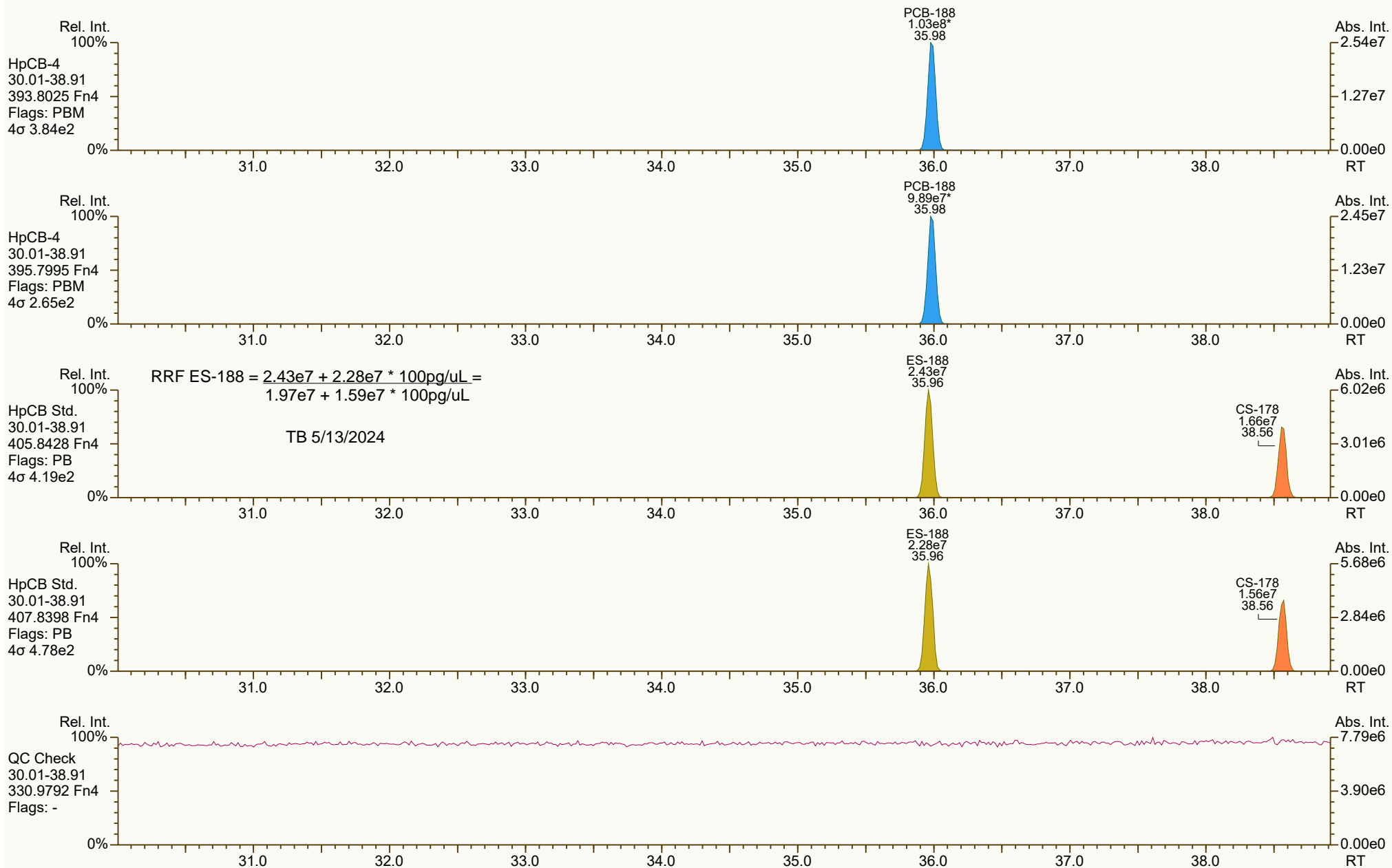
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8953, 9351 scc: 290-400

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 14 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3782, 9182 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:53 (JHL) Printed: 08-May-2024 10:44 Page 15 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0270, 6190 scc: 290-400

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 16 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



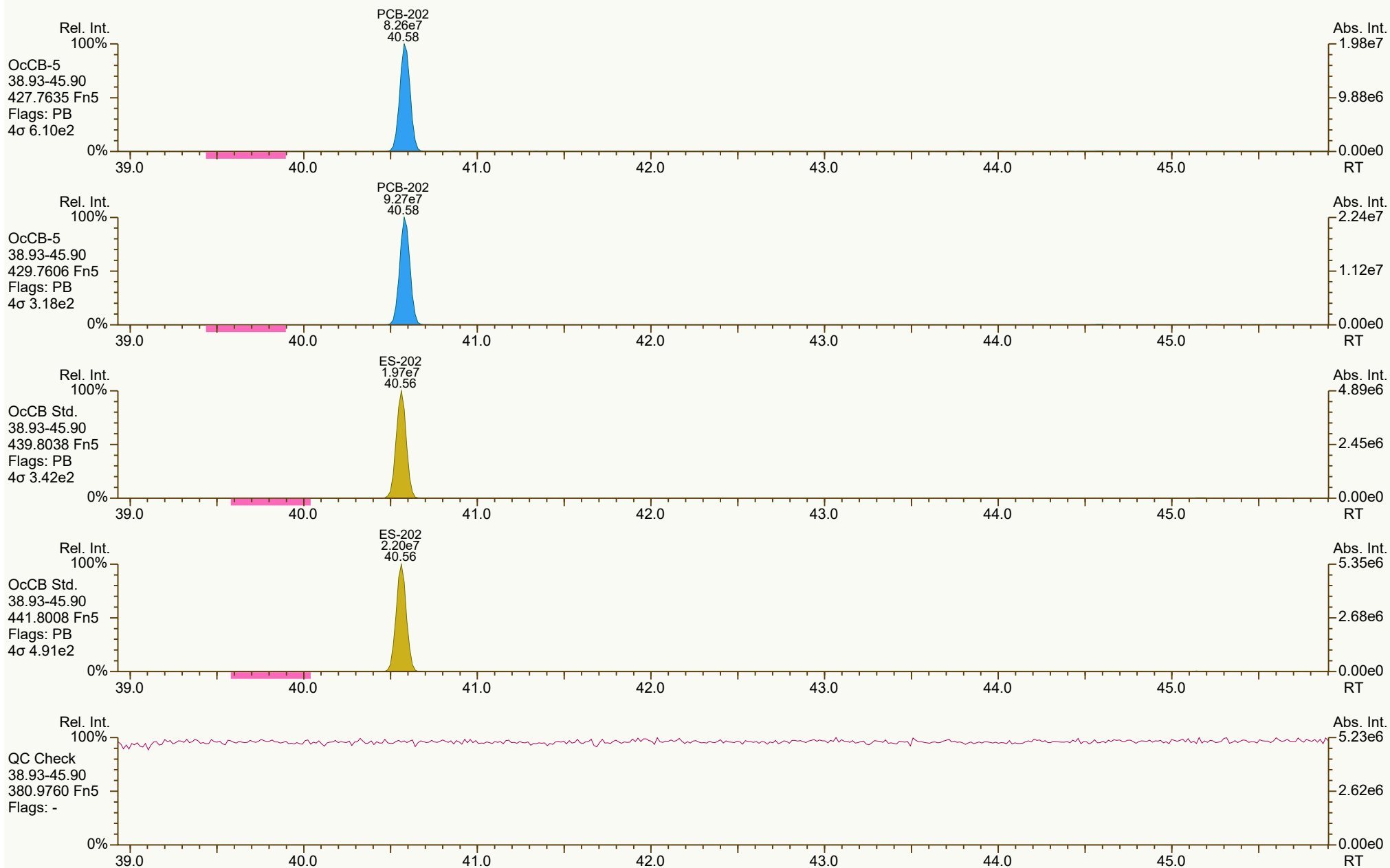
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4563, 7161 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:56 (JHL) Printed: 08-May-2024 10:44 Page 17 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



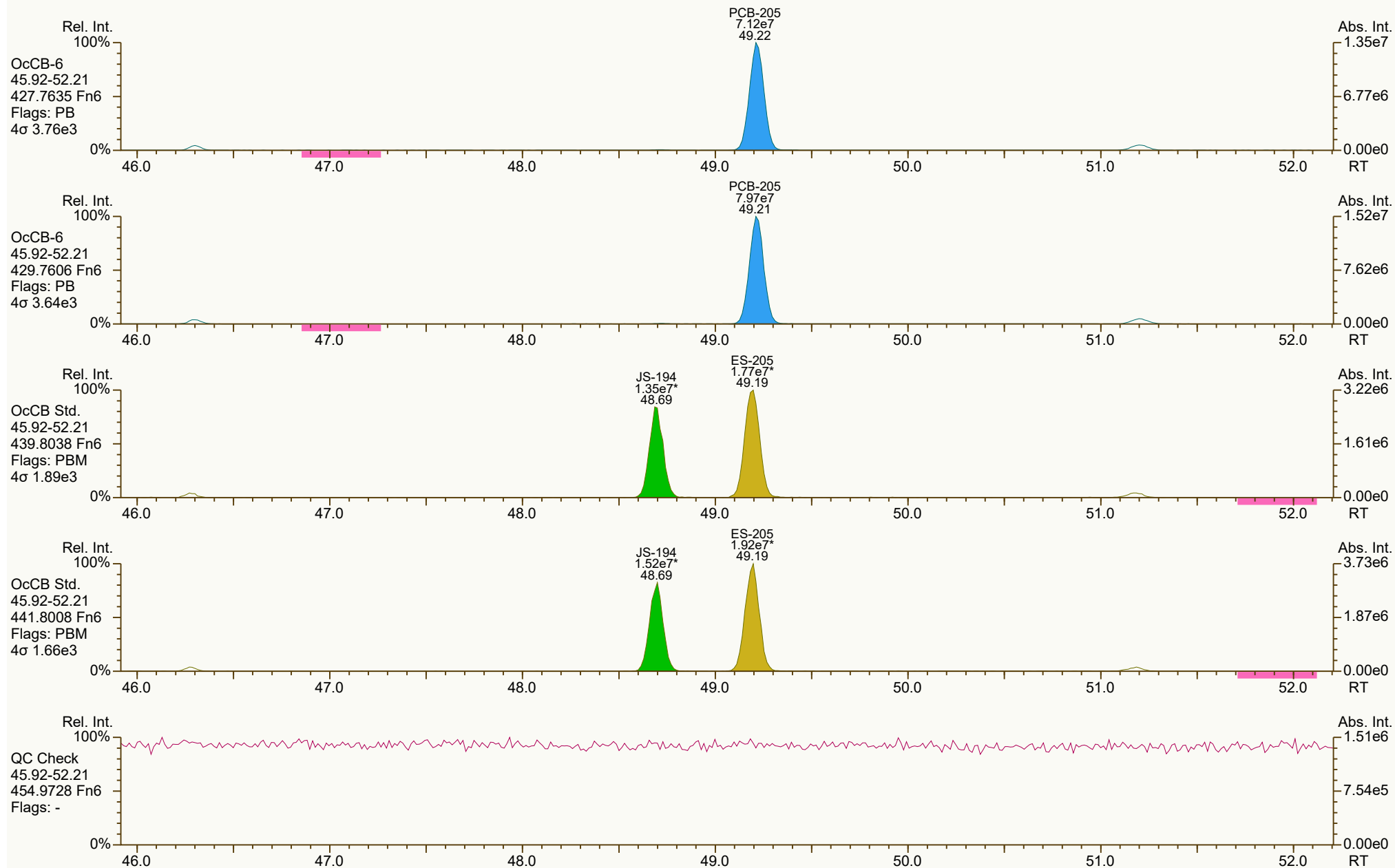
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0261, 7791 scc: 290-400

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 18 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8962, 9712 scc: 290-400

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:56 (JHL) Printed: 08-May-2024 10:44 Page 19 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



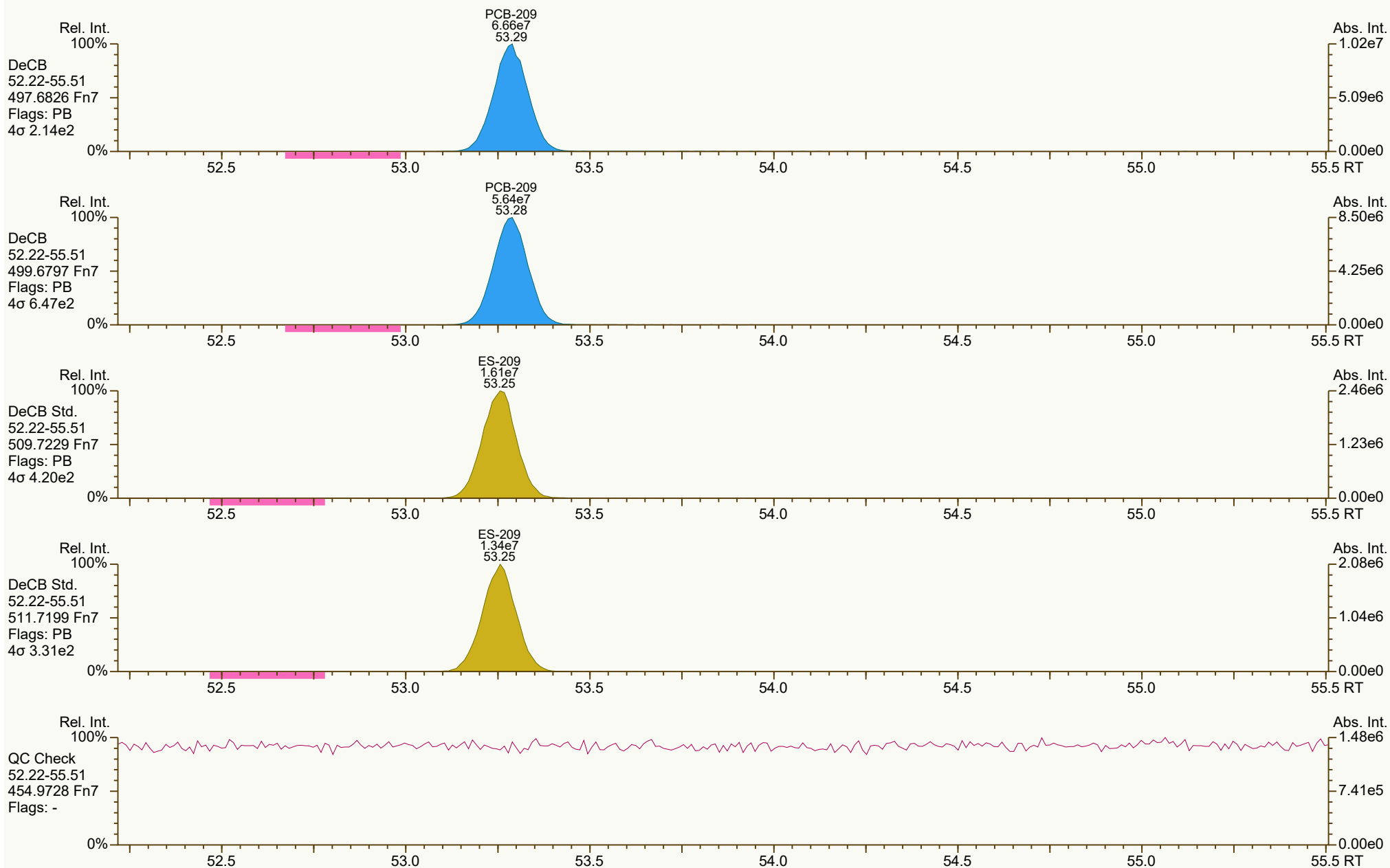
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4474, 0806 scc: 290-400

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:54 Printed: 08-May-2024 10:44 Page 20 of 21

SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 5

Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS4_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4787, 1601 scc: 290-400

Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 21 of 21

PCB QC Summary

SGS North America

Printed: 8-May-2024 10:56

Lab ID: CS5_240503_PCB_BA
 Acquired: 3-May-24 13:58:51
 Datafile: 240503B09

ICAL: HRMS2_PCB_03MAY2024

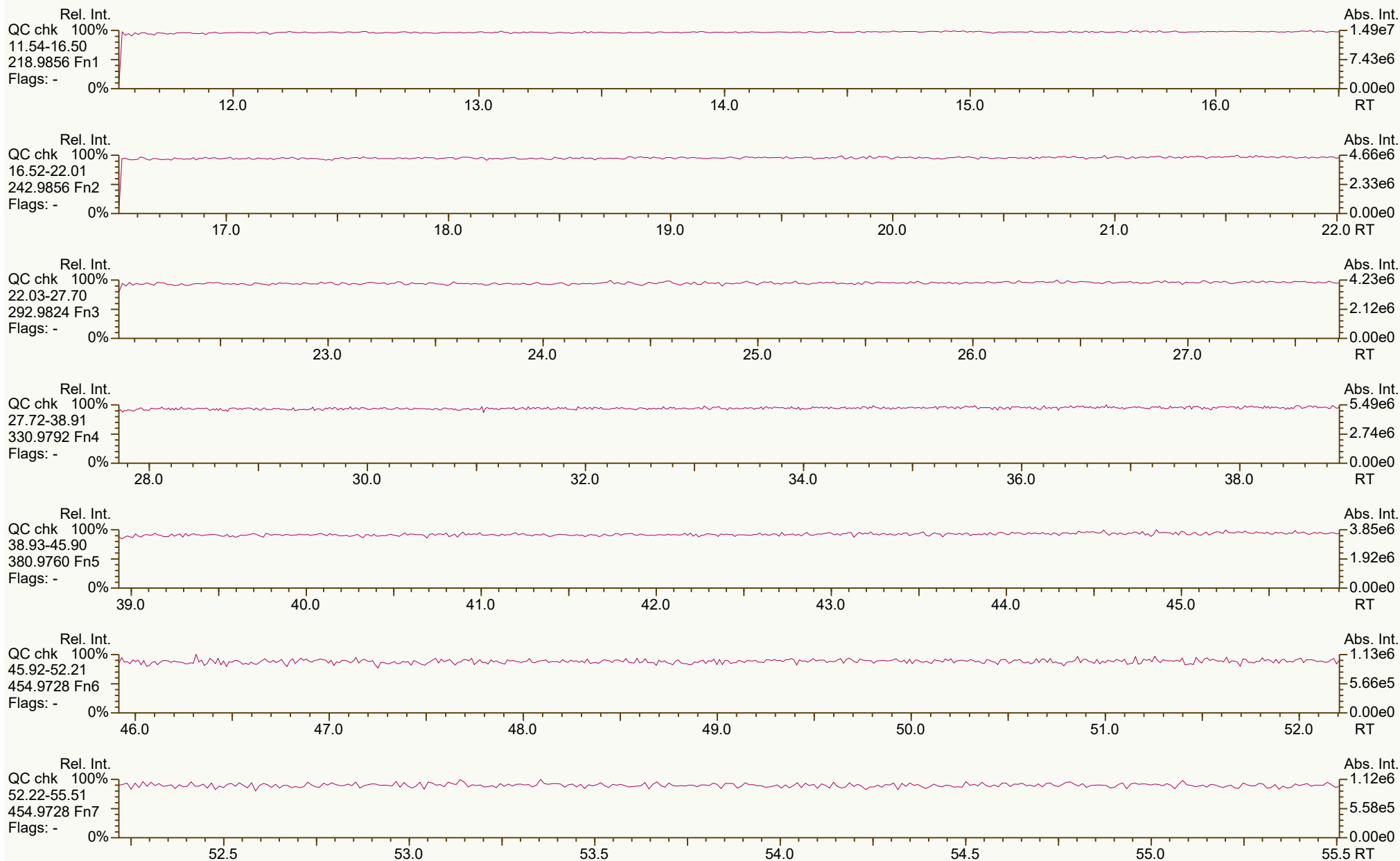
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.52	8.84E+08	0.79 Y	0.95	1.10	15.9%
PCB-81 344'5'-TeCB	33.04	8.82E+08	0.78 Y	0.94	1.05	11.5%
PCB-105 233'44'-PeCB	36.55	8.15E+08	0.63 Y	0.97	1.07	10.8%
PCB-114 2344'5'-PeCB	36.00	9.03E+08	0.66 Y	0.96	1.11	15.5%
PCB-118 23'44'5'-PeCB	35.53	8.38E+08	0.62 Y	0.99	1.12	13.1%
PCB-123 23'44'5'-PeCB	35.24	7.87E+08	0.62 Y	0.96	1.07	11.8%
PCB-126 33'44'5'-PeCB	39.20	7.94E+08	0.61 Y	0.96	1.10	13.6%
PCB-156/157 ...-HxCB	41.78	1.71E+09	1.26 Y	0.96	1.08	12.6%
PCB-167 23'44'55'-HxCB	40.78	8.47E+08	1.25 Y	0.94	1.06	13.2%
PCB-169 33'44'55'-HxCB	44.54	8.42E+08	1.26 Y	0.97	1.08	11.9%
PCB-189 233'44'55'-HpCB	46.71	7.78E+08	1.04 Y	0.93	1.06	14.4%
PCB-209 DeCB	53.28	5.61E+08	1.18 Y	0.95	1.06	11.5%
ES PCB-1	12.17	7.47E+07	3.06 Y	1.19	1.47	23.5%
ES PCB-3	14.53	6.99E+07	3.16 Y	1.13	1.38	21.8%
ES PCB-4	14.78	4.38E+07	1.61 Y	0.72	0.86	19.1%
ES PCB-15	20.63	6.01E+07	1.57 Y	1.07	1.18	10.3%
ES PCB-19	17.95	3.74E+07	1.07 Y	0.65	0.74	13.3%
ES PCB-37	27.08	4.14E+07	1.08 Y	1.40	1.62	15.9%
ES PCB-54	20.92	4.05E+07	0.76 Y	1.23	1.59	28.6%
ES PCB-77	33.50	4.02E+07	0.80 Y	1.28	1.58	23.1%
ES PCB-81	33.02	4.19E+07	0.81 Y	1.33	1.64	23.7%
ES PCB-104	25.99	3.57E+07	1.53 Y	1.32	1.50	14.3%
ES PCB-105	36.53	3.79E+07	1.59 Y	1.26	1.60	27.3%
ES PCB-114	35.97	4.06E+07	1.58 Y	1.34	1.71	27.5%
ES PCB-118	35.50	3.75E+07	1.66 Y	1.31	1.58	20.6%
ES PCB-123	35.22	3.67E+07	1.61 Y	1.27	1.55	22.0%
ES PCB-126	39.18	3.62E+07	1.65 Y	1.19	1.53	28.8%
ES PCB-153	37.11	2.96E+07	1.30 Y	1.11	1.04	-6.2%
ES PCB-155	31.01	3.85E+07	1.30 Y	1.45	1.35	-6.7%
ES PCB-156/157	41.76	7.89E+07	1.30 Y	1.24	1.39	12.1%
ES PCB-167	40.76	3.99E+07	1.27 Y	1.29	1.41	9.1%
ES PCB-169	44.52	3.88E+07	1.27 Y	1.18	1.37	15.8%
ES PCB-170	44.02	2.59E+07	1.05 Y	1.06	0.99	-6.3%
ES PCB-180	42.94	3.05E+07	1.04 Y	1.25	1.17	-6.6%
ES PCB-188	35.96	4.15E+07	1.09 Y	1.36	1.46	7.3%
ES PCB-189	46.69	3.68E+07	1.06 Y	1.37	1.41	2.7%
ES PCB-202	40.56	3.57E+07	0.87 Y	1.19	1.26	5.5%
ES PCB-205	49.19	3.31E+07	0.90 Y	1.23	1.27	3.0%
ES PCB-206	51.17	2.35E+07	0.81 Y	0.89	0.90	1.1%
ES PCB-208	46.27	3.24E+07	0.79 Y	1.26	1.24	-1.0%
ES PCB-209	53.25	2.64E+07	1.19 Y	0.98	1.01	2.9%

PCB QC Summary			SGS North America			Printed: 8-May-2024 10:56	
Lab ID:	CS5_240503_PCB_BA			ICAL: HRMS2_PCB_03MAY2024			
Acquired:	3-May-24 13:58:51						
Datafile:	240503B09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	23.45	3.58E+07	1.10 Y	1.04	0.86	-16.7%	
SS PCB-111	33.51	3.39E+07	1.59 Y	0.98	0.93	-5.9%	
SS PCB-178	38.56	2.72E+07	1.06 Y	0.71	0.65	-7.6%	
CS PCB-28	23.45	3.58E+07	1.10 Y	1.44	1.40	-2.8%	
CS PCB-111	33.51	3.39E+07	1.59 Y	1.24	1.43	15.2%	
CS PCB-178	38.56	2.72E+07	1.06 Y	0.96	0.96	-0.7%	
JS PCB-9	16.81	5.08E+07	1.63 Y	-	-	-	
JS PCB-52	25.10	2.55E+07	0.79 Y	-	-	-	
JS PCB-101	31.18	2.37E+07	1.66 Y	-	-	-	
JS PCB-138	38.19	2.84E+07	1.25 Y	-	-	-	
JS PCB-194	48.69	2.61E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	12.18	1.58E+09	3.03 Y	1.01	1.06	5.4%	
PCB-3 4-MoCB	14.54	1.48E+09	3.02 Y	1.01	1.06	4.5%	
PCB-4 22'-DiCB	14.80	9.74E+08	1.57 Y	0.98	1.11	13.1%	
PCB-15 44'-DiCB	20.65	1.35E+09	1.57 Y	0.97	1.12	16.2%	
PCB-19 22'6-TrCB	17.96	8.68E+08	1.04 Y	1.03	1.16	12.3%	
PCB-37 344'-TrCB	27.09	1.01E+09	1.04 Y	1.03	1.22	18.3%	
PCB-54 22'66'-TeCB	20.94	1.03E+09	0.78 Y	1.09	1.27	16.3%	
PCB-104 22'466'-PeCB	26.01	8.21E+08	0.63 Y	1.00	1.15	15.0%	
PCB-155 22'44'66'-HxCB	31.04	8.40E+08	1.24 Y	0.95	1.09	14.6%	
PCB-188 22'34'566'-HpCB	35.98	8.99E+08	1.05 Y	0.96	1.08	12.3%	
PCB-202 22'33'55'66'-OoCB	40.58	7.68E+08	0.89 Y	0.96	1.07	12.4%	
PCB-205 233'44'55'6'-OoCB	49.21	6.83E+08	0.91 Y	0.92	1.03	11.9%	
PCB-208 22'33'455'66'-NoCB	46.29	7.05E+08	0.79 Y	0.96	1.09	13.2%	
PCB-206 22'33'44'55'6'-NoCB	51.19	4.87E+08	0.79 Y	0.93	1.04	12.1%	
FS PCB-8	17.65	4.71E+07	1.59 Y	0.91	0.78	-14.1%	
FS PCB-31	23.171	3.62E+07	1.09 Y	1.06	0.87	-17.5%	
FS PCB-60	30.457	2.75E+07	0.76 Y	0.83	0.66	-21.0%	
FS PCB-85	32.778	2.01E+07	1.56 Y	0.69	0.55	-20.5%	
FS PCB-128	39.286	2.42E+07	1.24 Y	0.65	0.61	-6.8%	
FS PCB-182	39.527	2.66E+07	1.07 Y	0.91	0.87	-4.7%	

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



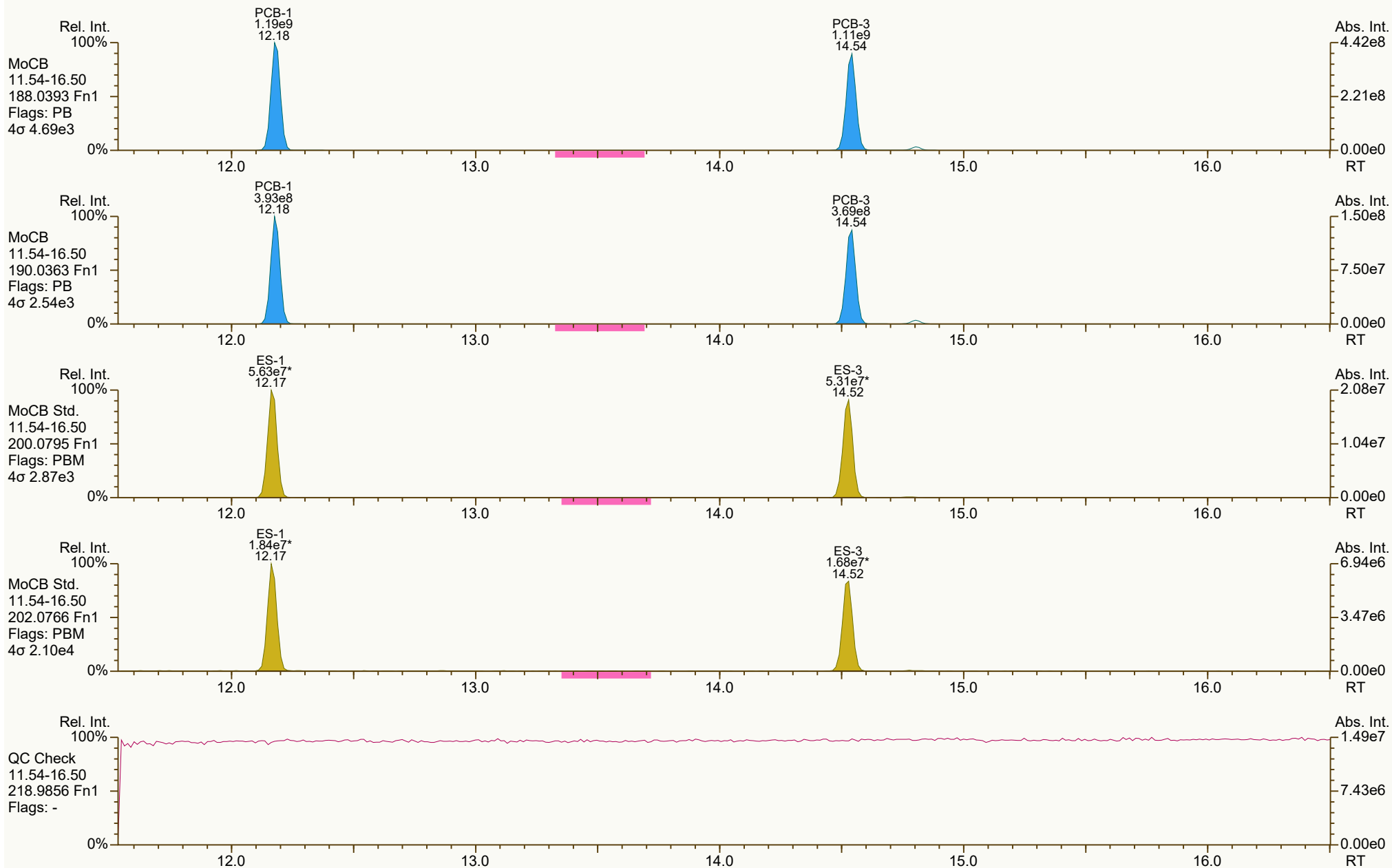
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 576-874

Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 10:44 Page 1 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



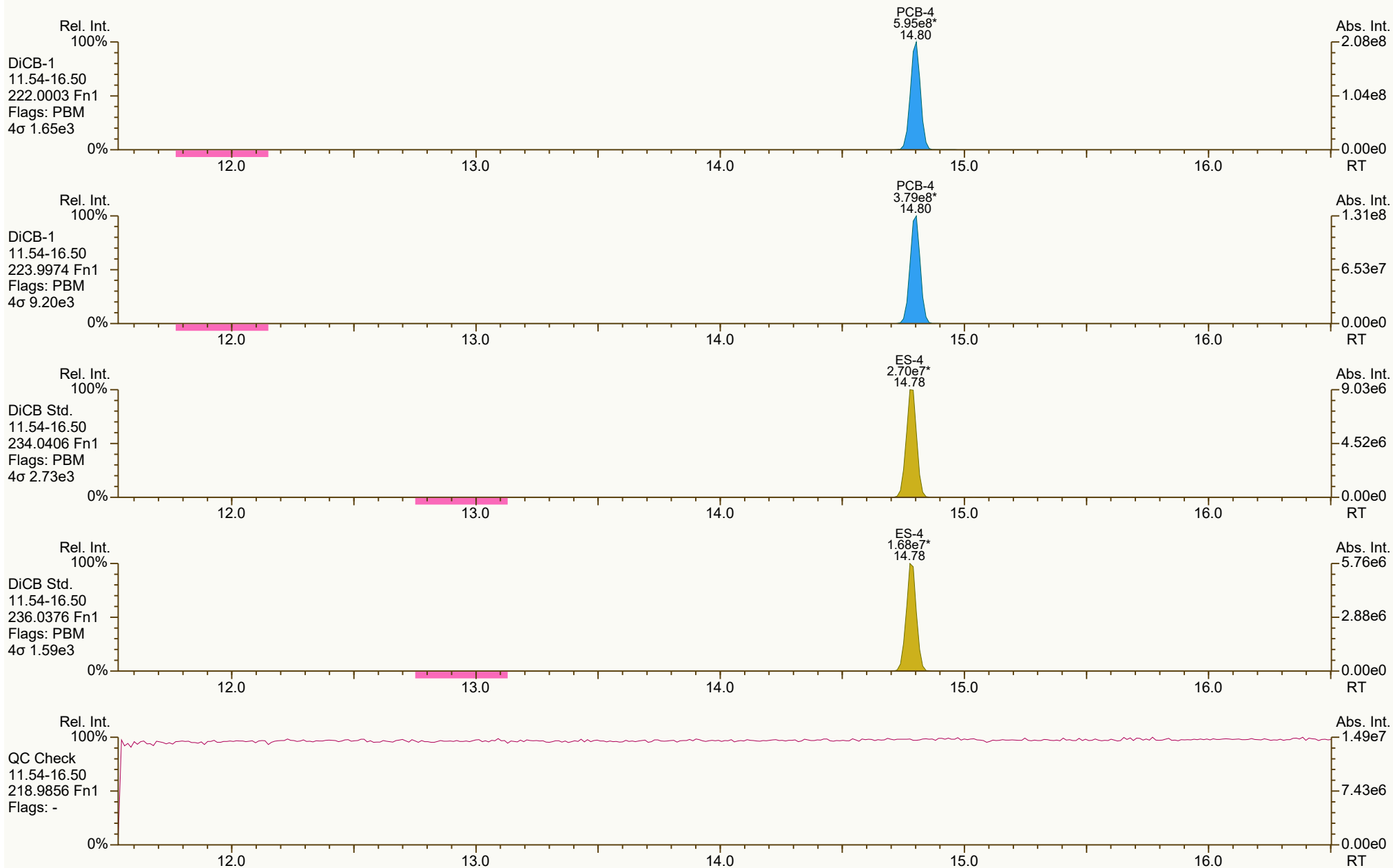
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6761, 0865 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:33 (JHL) Printed: 08-May-2024 10:44 Page 2 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4296, 2877 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:34 (JHL) Printed: 08-May-2024 10:44 Page 3 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7636, 1161 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:34 (JHL) Printed: 08-May-2024 10:44 Page 4 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



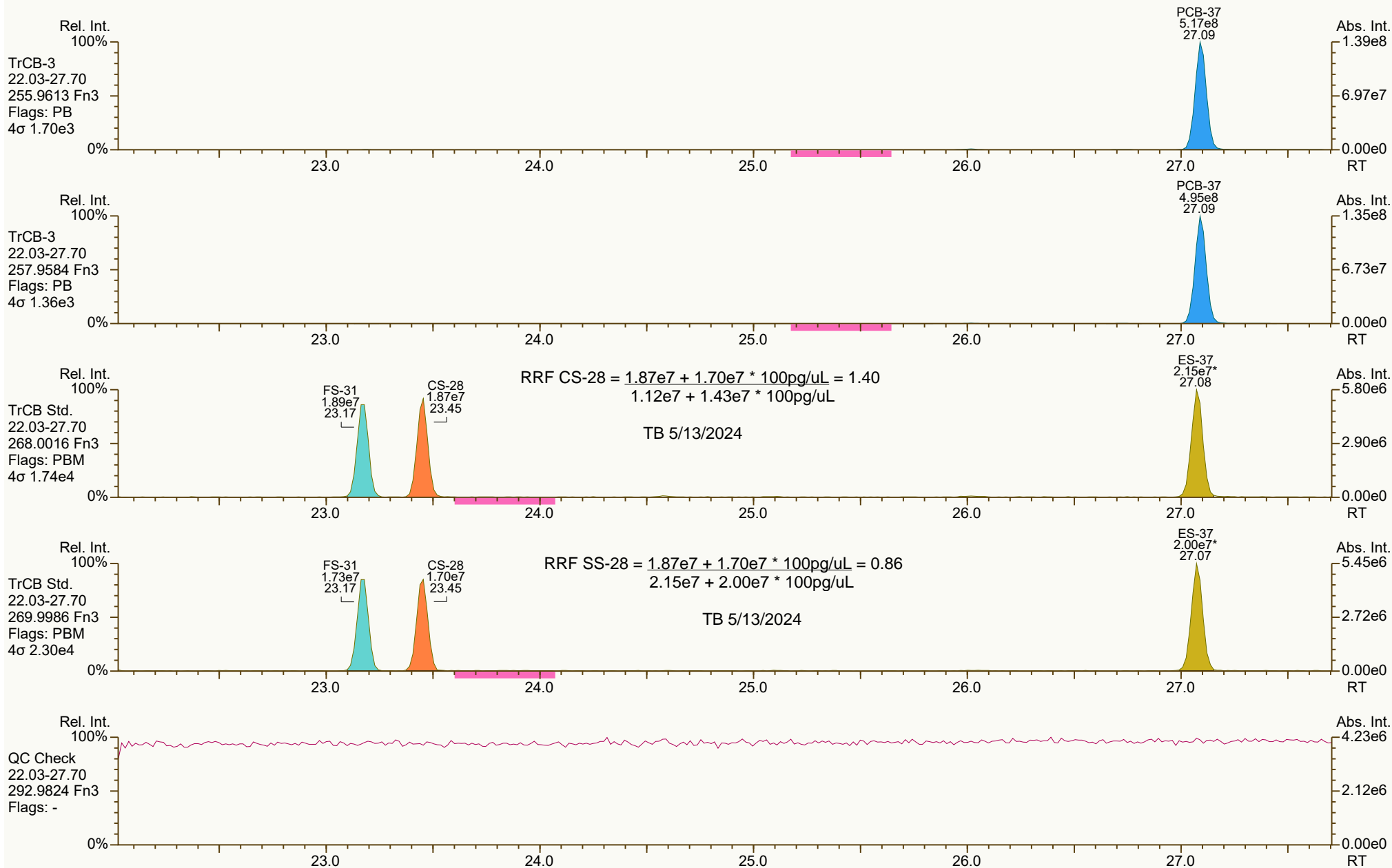
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1395, 7825 scc: 576-874

Peak annotation: Areas, Centroids
PKD: 03-May-2024 18:17 Printed: 08-May-2024 10:44 Page 5 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



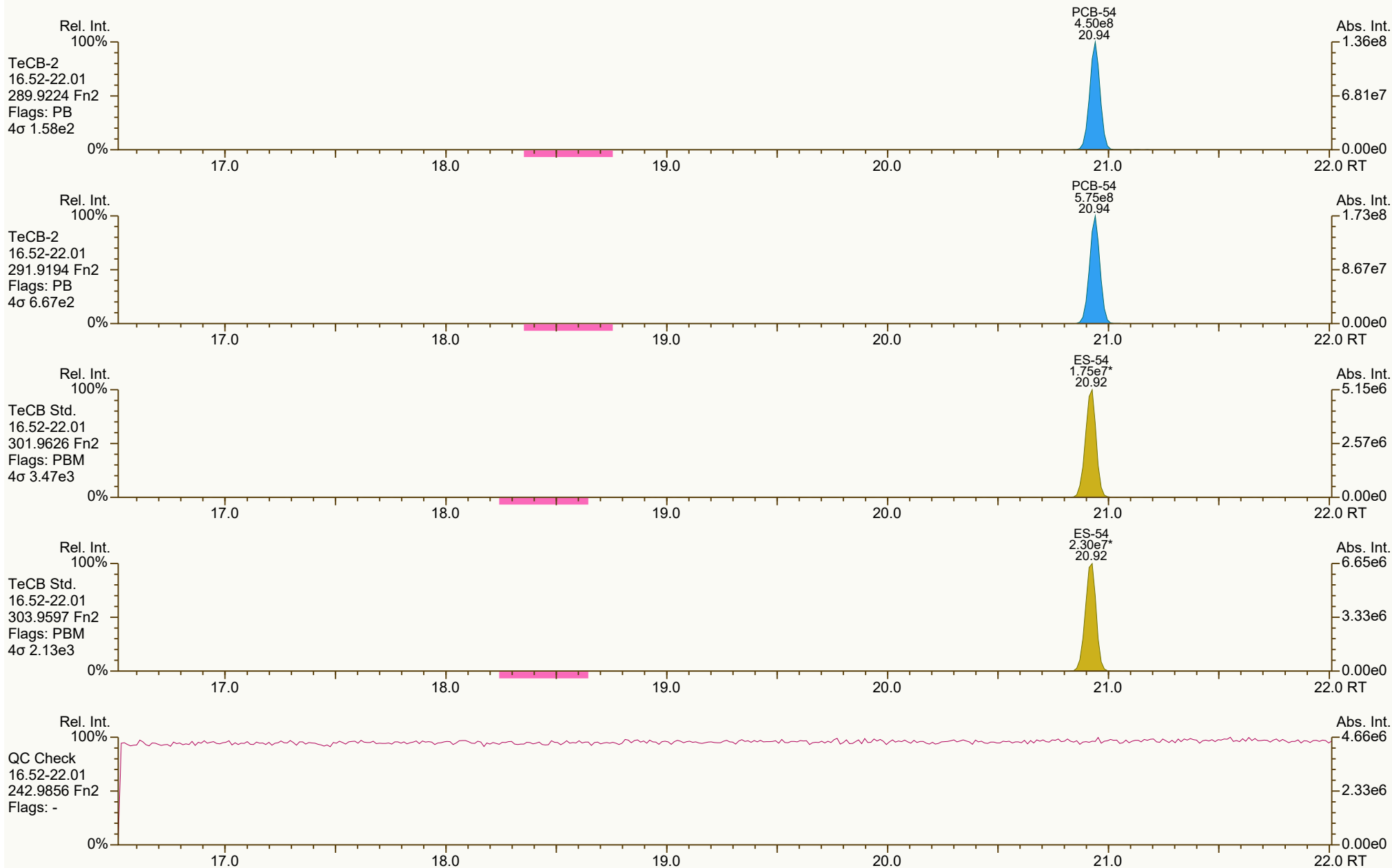
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3418, 2707 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:34 (JHL) Printed: 08-May-2024 10:44 Page 6 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



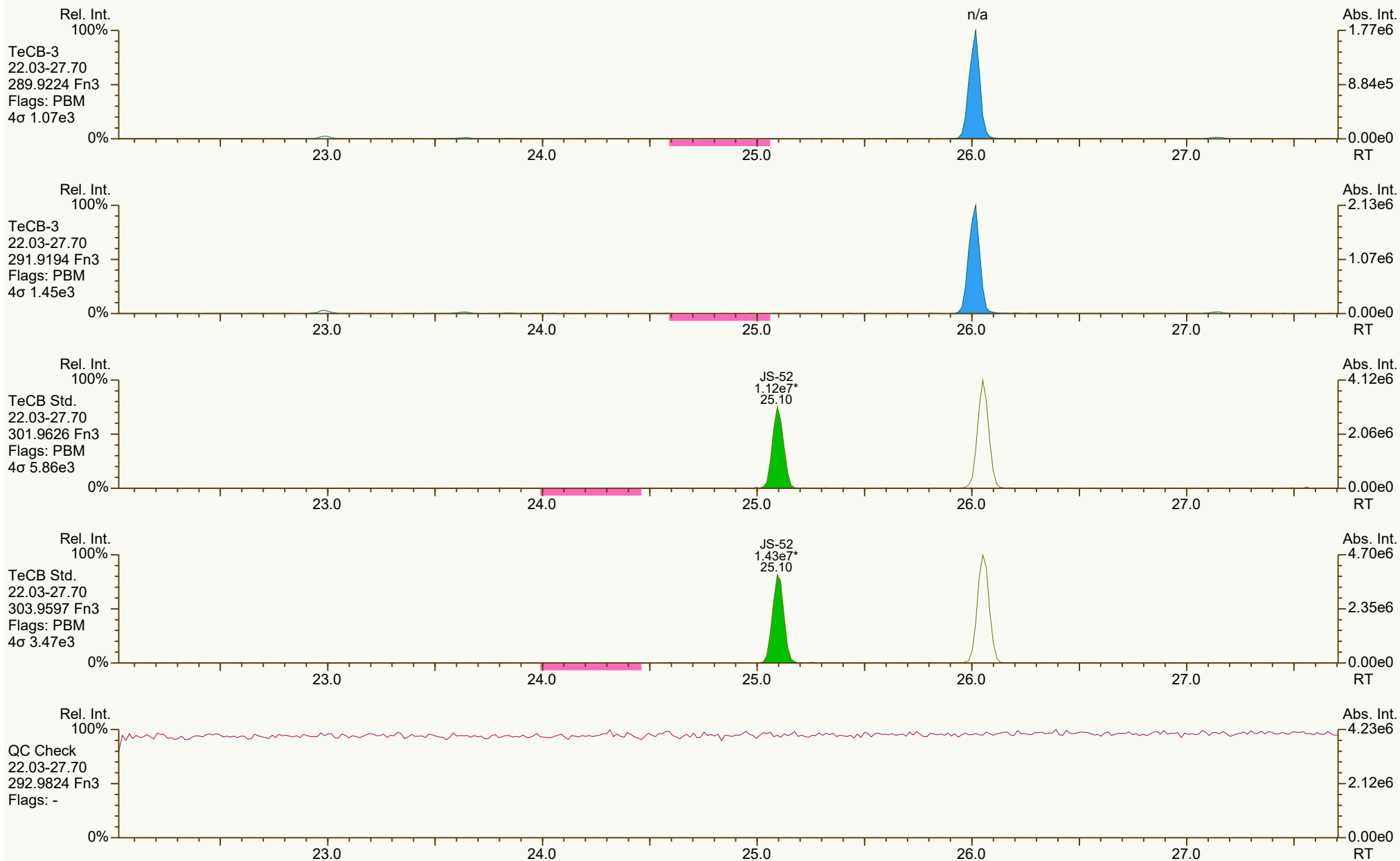
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6406, 2676 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:26 (JHL) Printed: 08-May-2024 10:44 Page 7 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



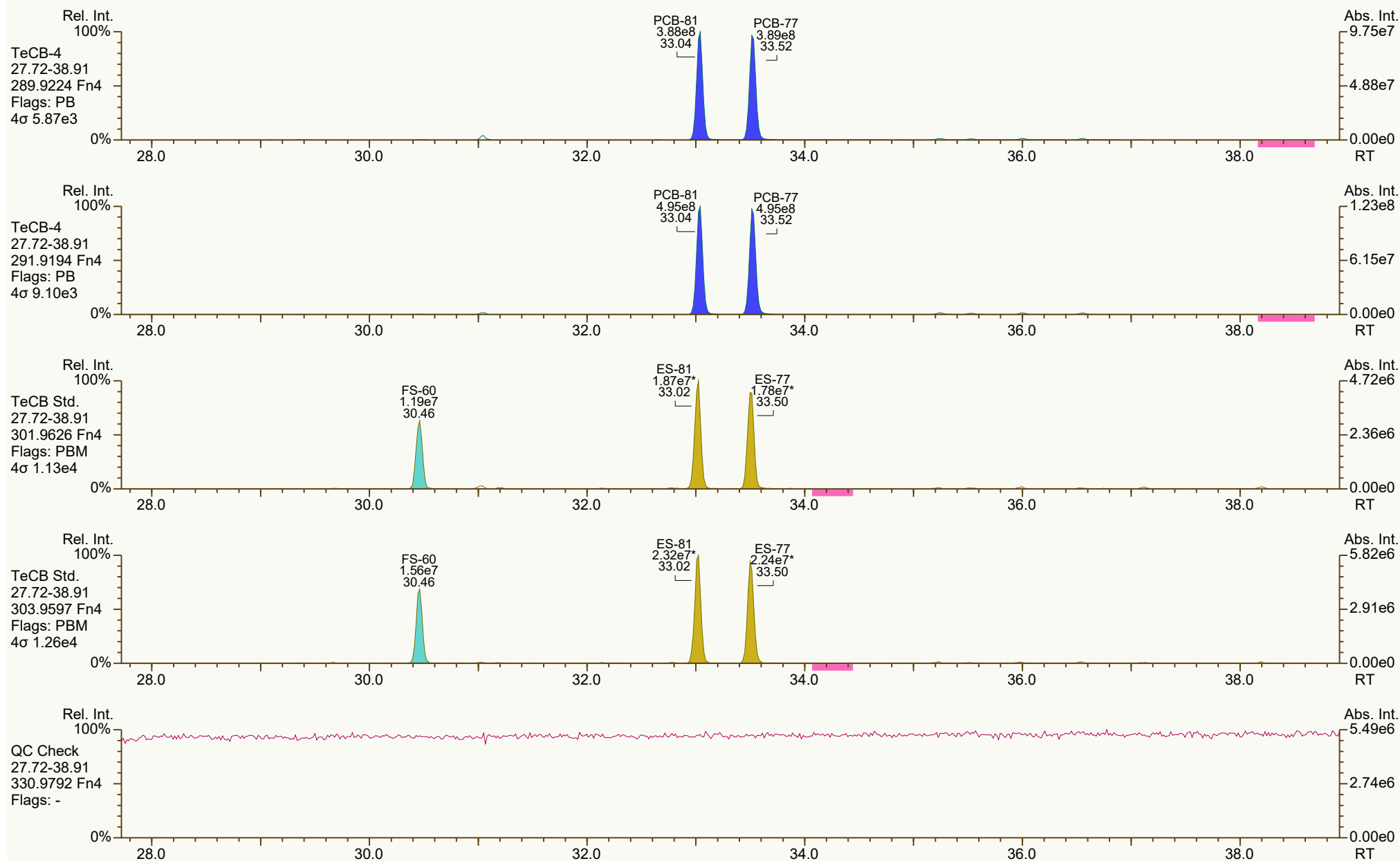
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8751, 0444 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:34 (JHL) Printed: 08-May-2024 10:44 Page 8 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



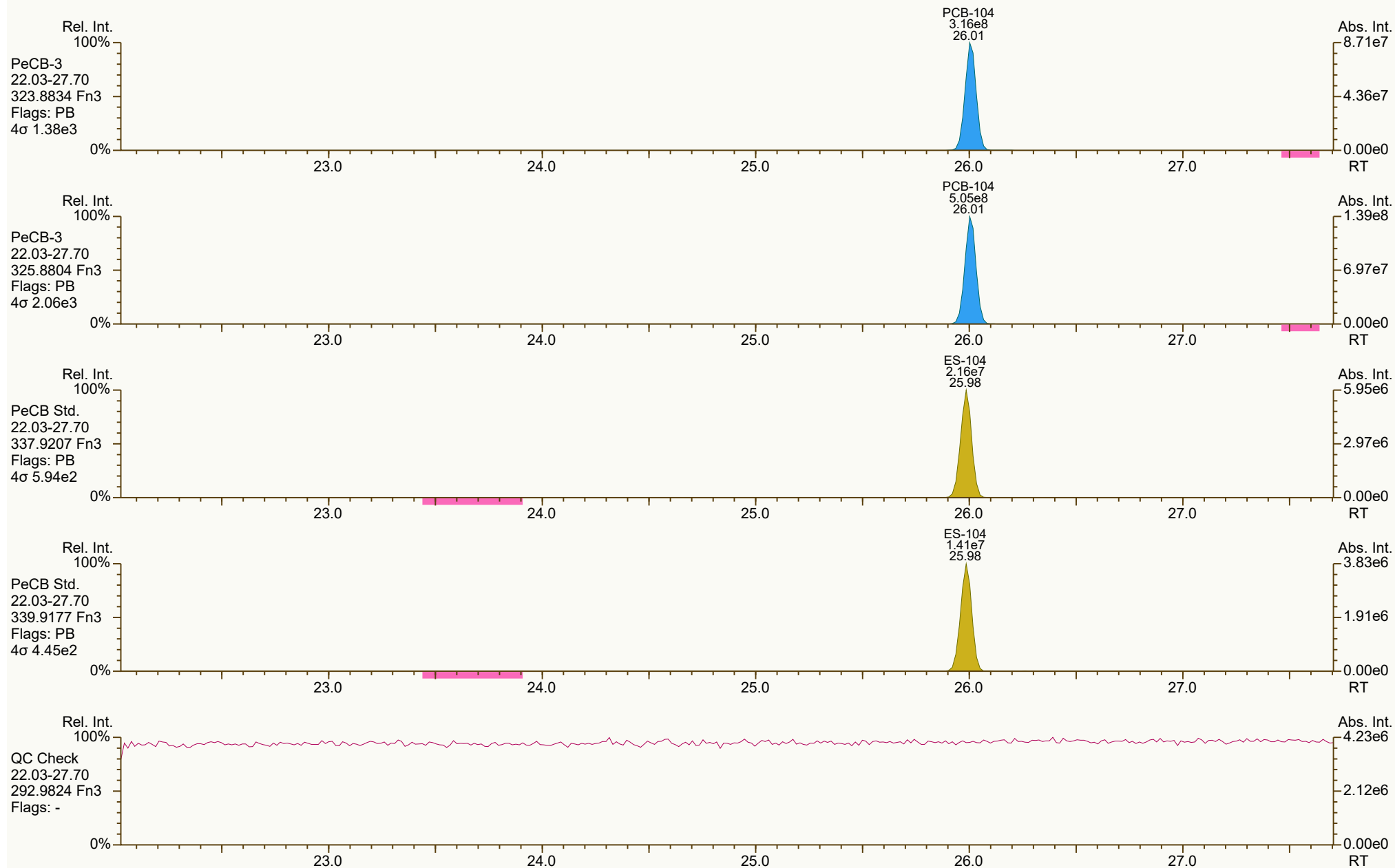
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0022, 2757 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:35 (JHL) Printed: 08-May-2024 10:44 Page 9 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

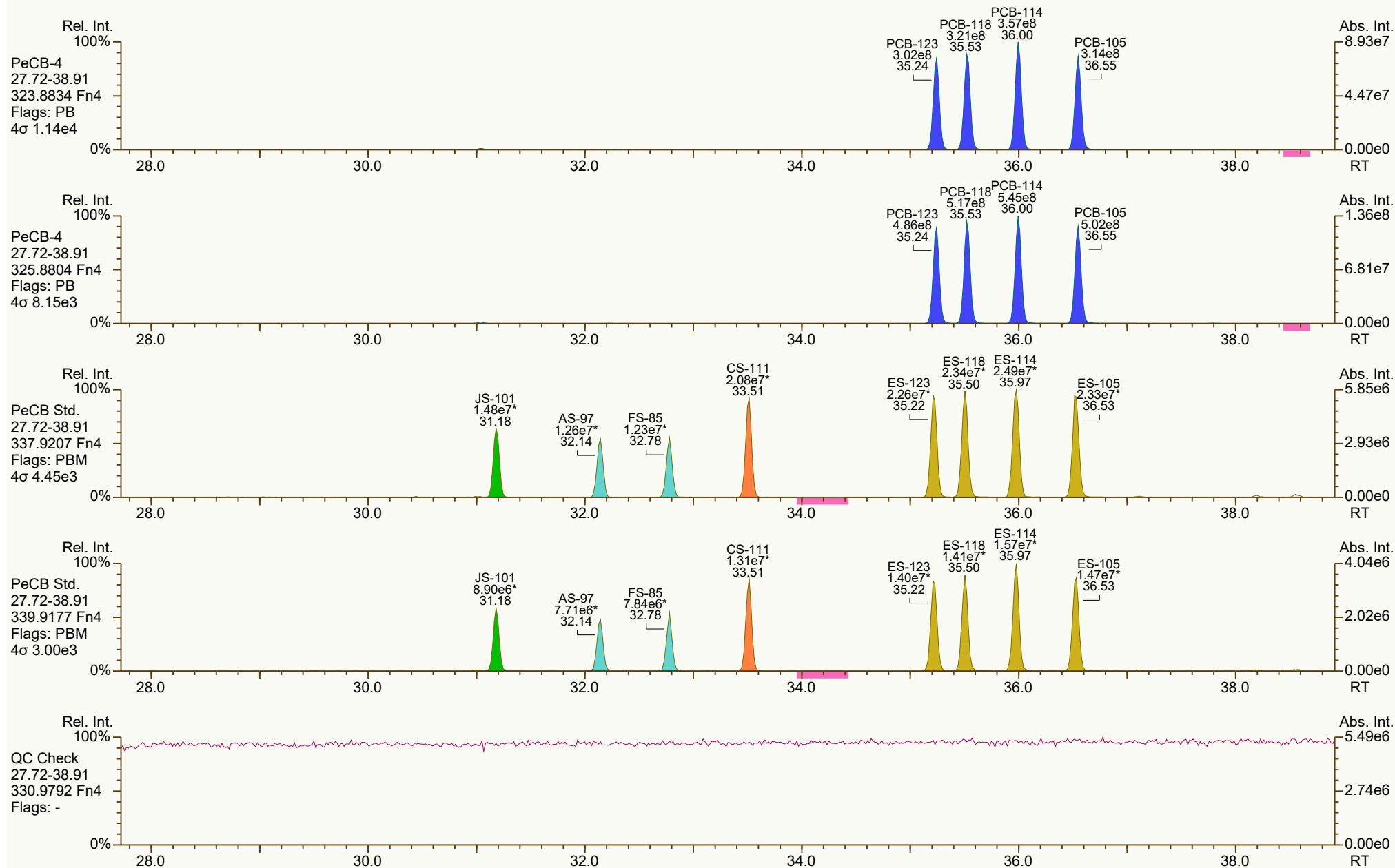
Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



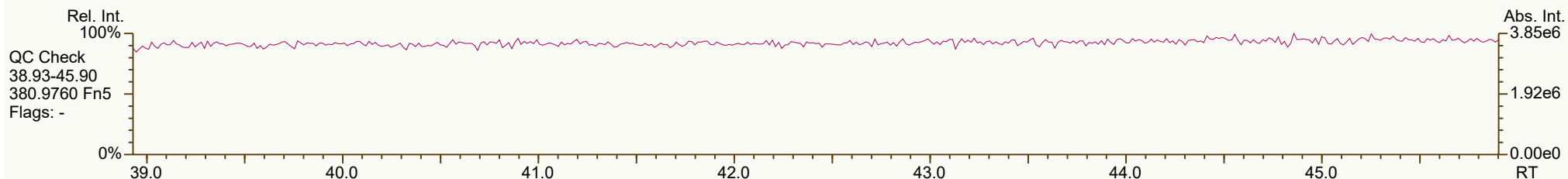
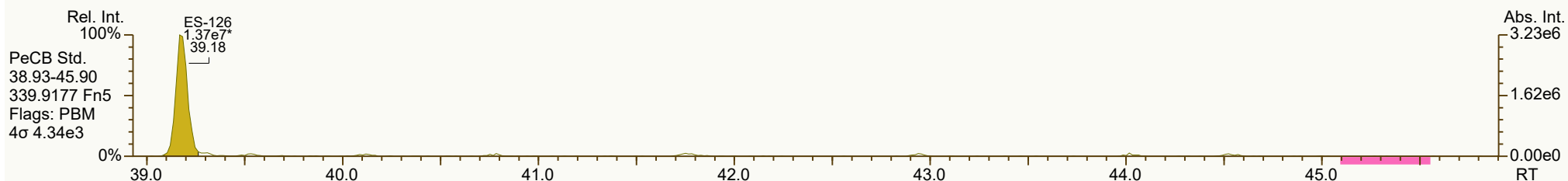
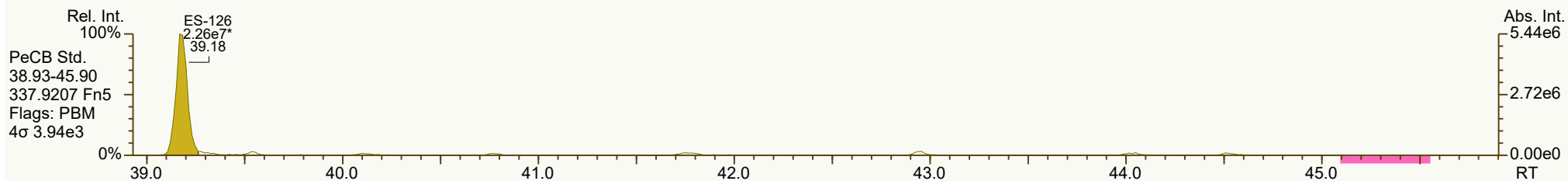
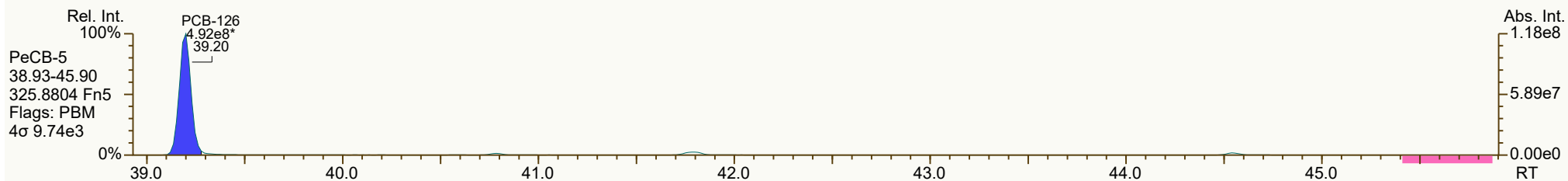
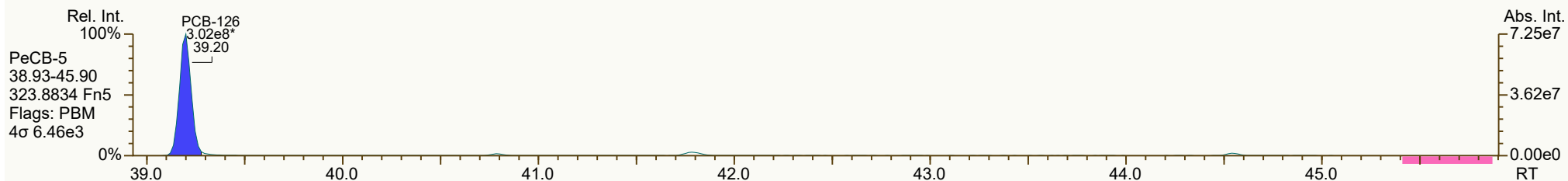
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4550, 8662 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:36 (JHL) Printed: 08-May-2024 10:44 Page 11 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3445, 4728 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:36 (JHL) Printed: 08-May-2024 10:45 Page 12 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



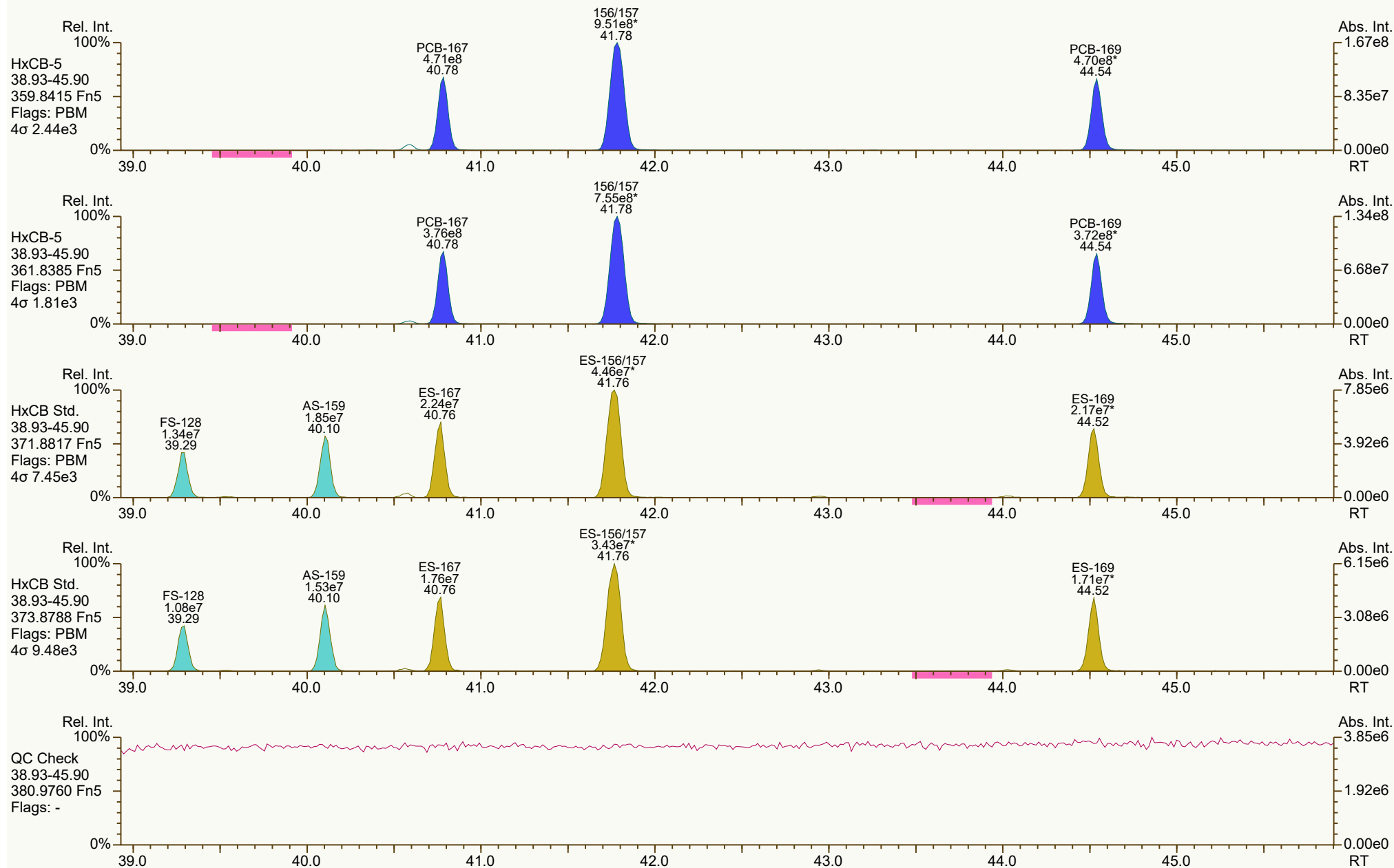
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5553, 6130 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:36 (JHL) Printed: 08-May-2024 10:45 Page 13 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



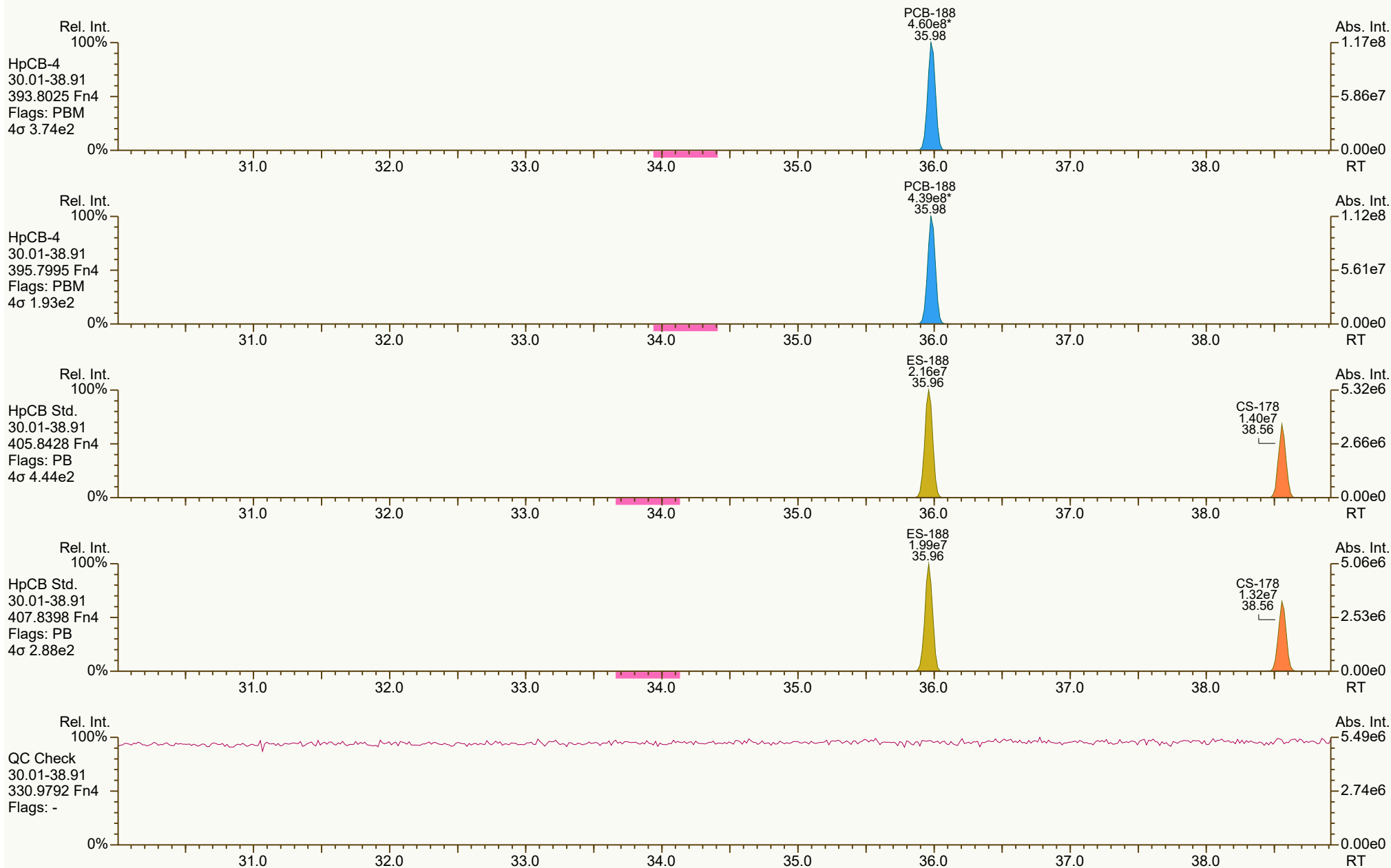
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2428, 3053 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:37 (JHL) Printed: 08-May-2024 10:45 Page 14 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6293, 3344 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:37 (JHL) Printed: 08-May-2024 10:45 Page 15 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8613, 1269 scc: 576-874

Peak annotation: Areas, Centroids
PKD: 03-May-2024 18:17 Printed: 08-May-2024 10:45 Page 16 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3307, 5260 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:37 (JHL) Printed: 08-May-2024 10:45 Page 17 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



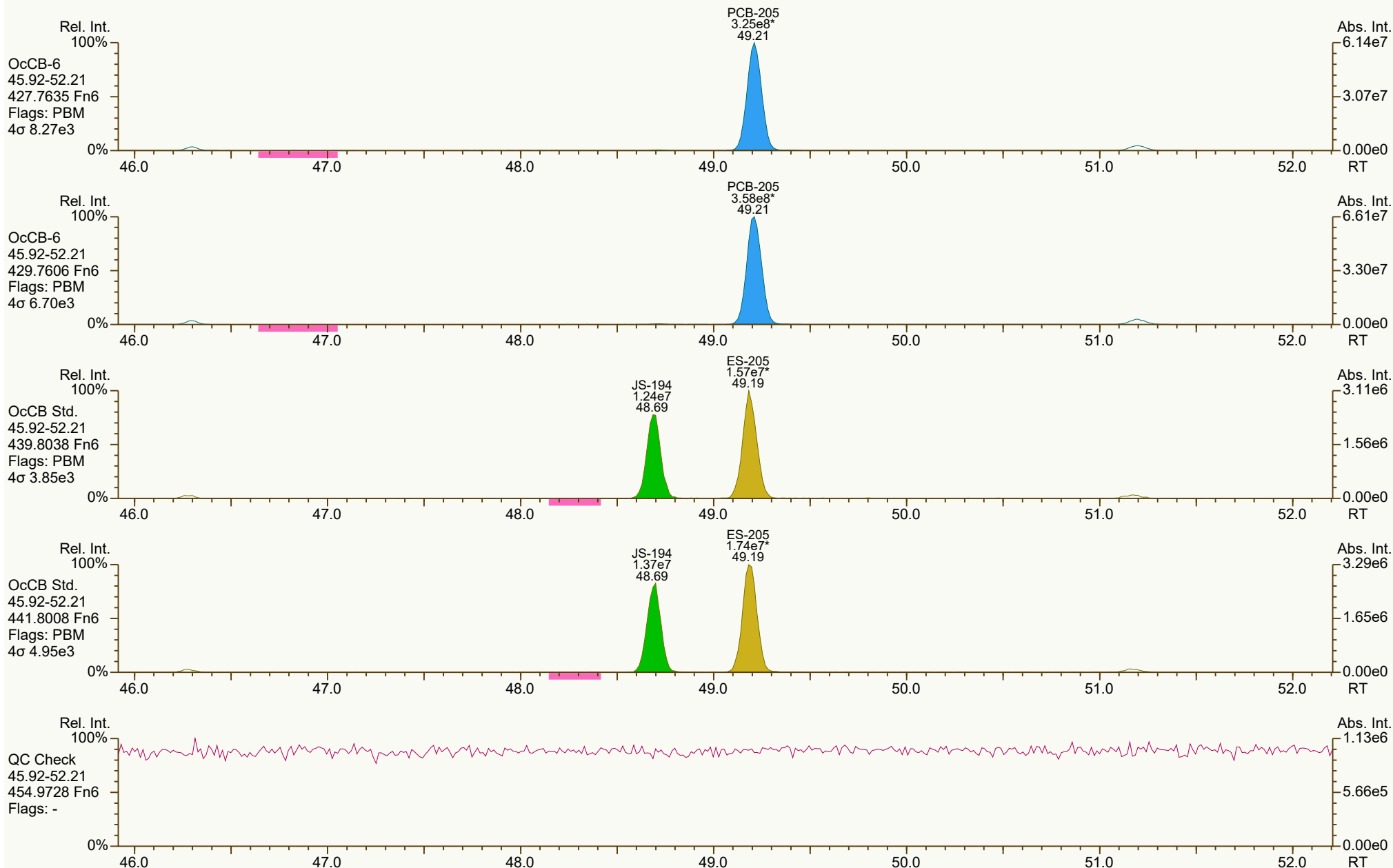
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7351, 5458 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:38 (JHL) Printed: 08-May-2024 10:45 Page 18 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2830, 0433 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:38 (JHL) Printed: 08-May-2024 10:45 Page 19 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



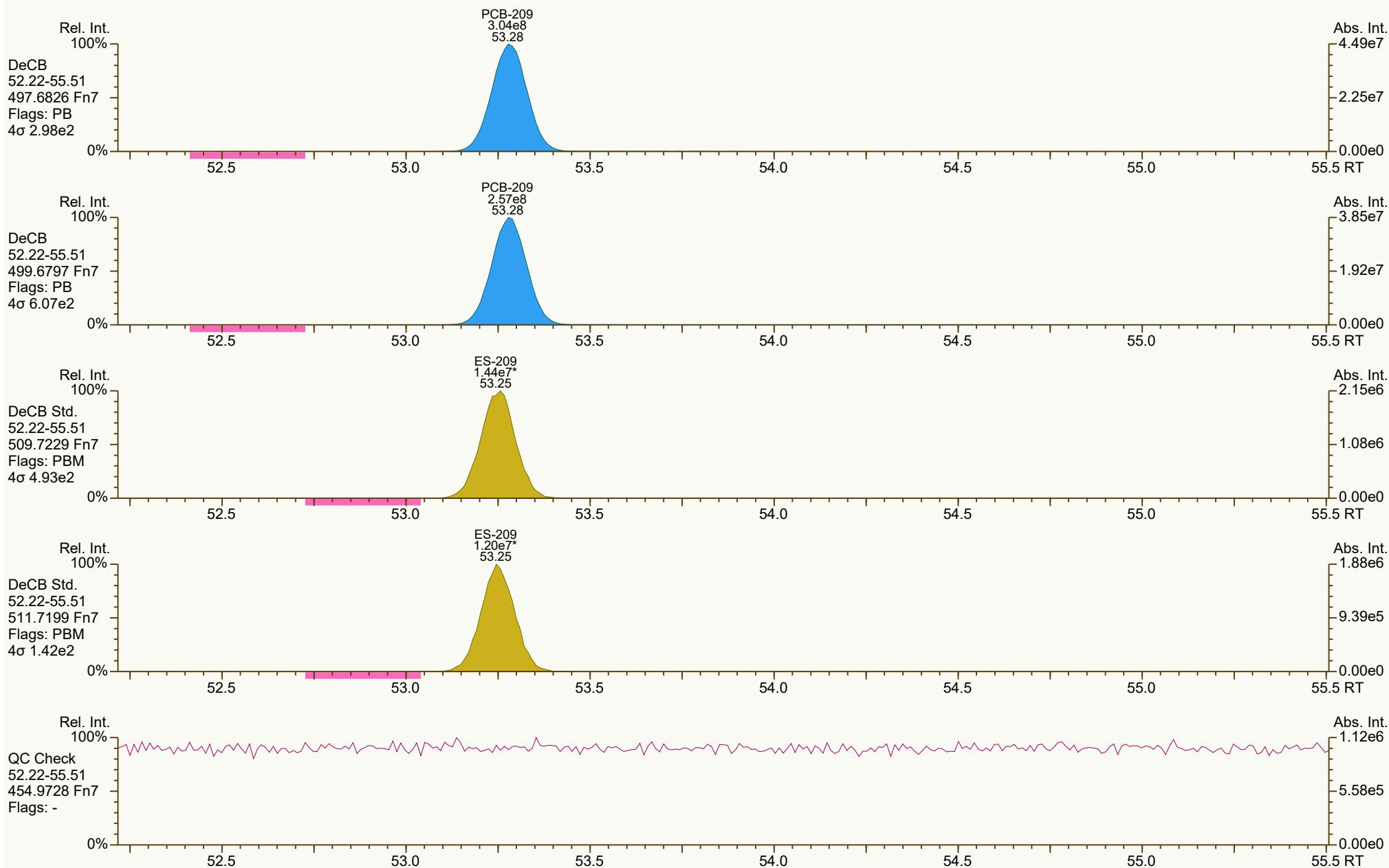
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7961, 5760 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:40 (JHL) Printed: 08-May-2024 10:45 Page 20 of 21

SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-47-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 6

Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



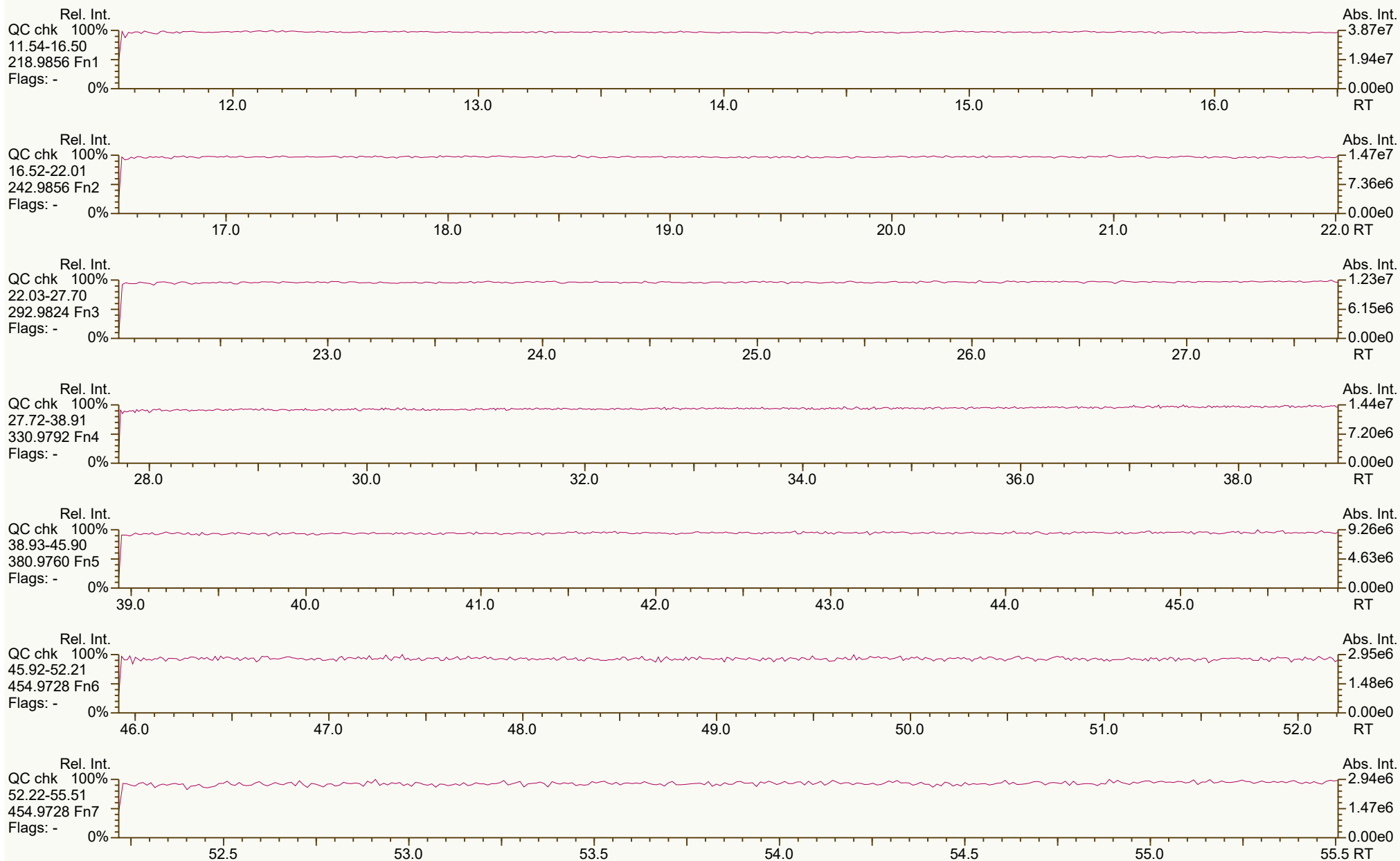
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\CS5_240503_PCB_BA.utp_res, saved 08-May-2024 10:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6442, 4310 scc: 576-874

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:33 (JHL) Printed: 08-May-2024 10:45 Page 21 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 963-299

Peak annotation: Areas, Centroids
PKD: n/a Printed: 13-May-2024 11:32 Page 1 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



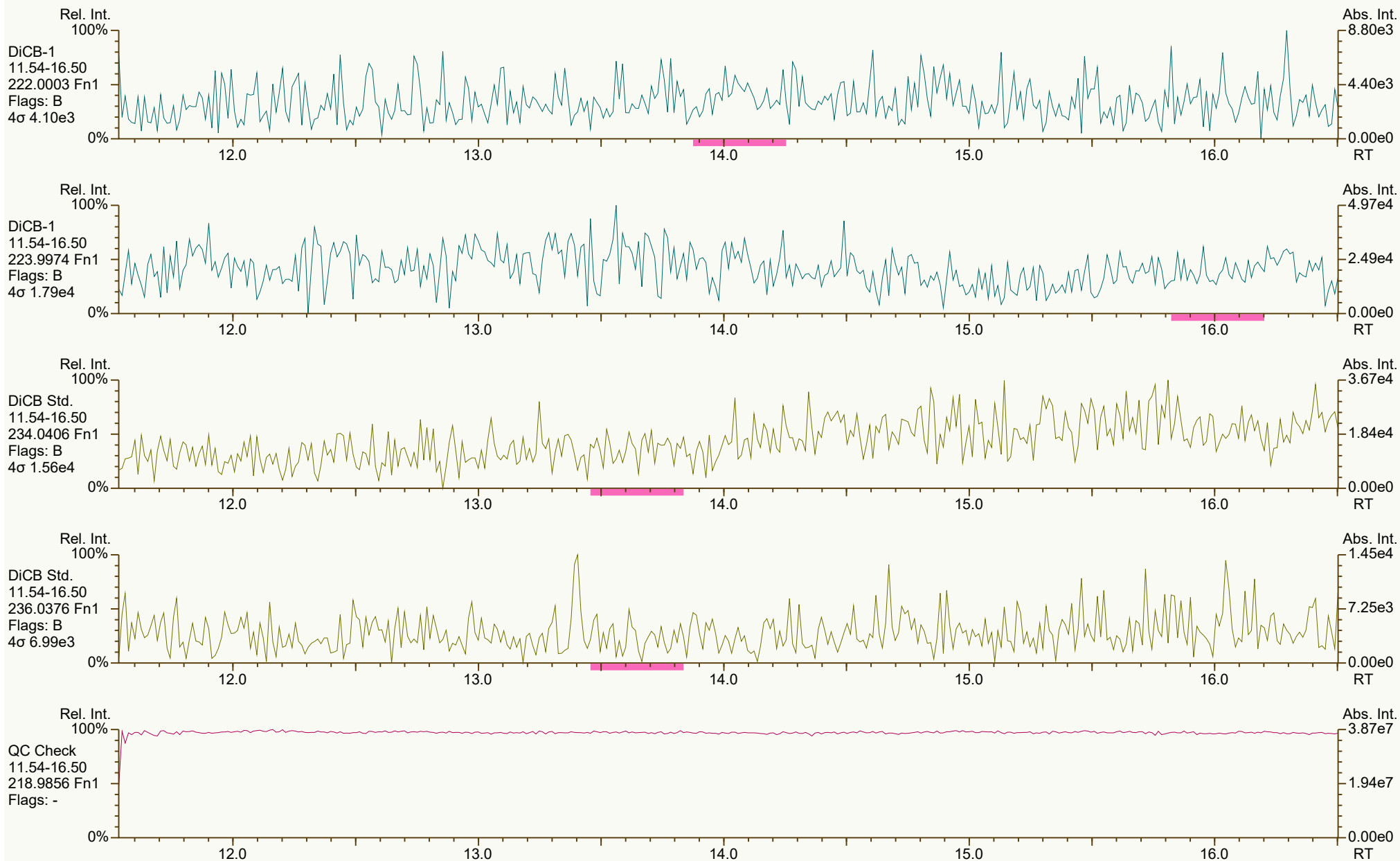
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0276, 7766 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 2 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8618, 8387 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 3 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



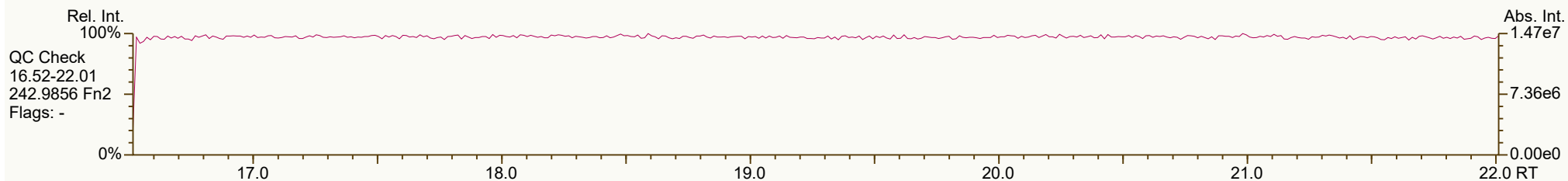
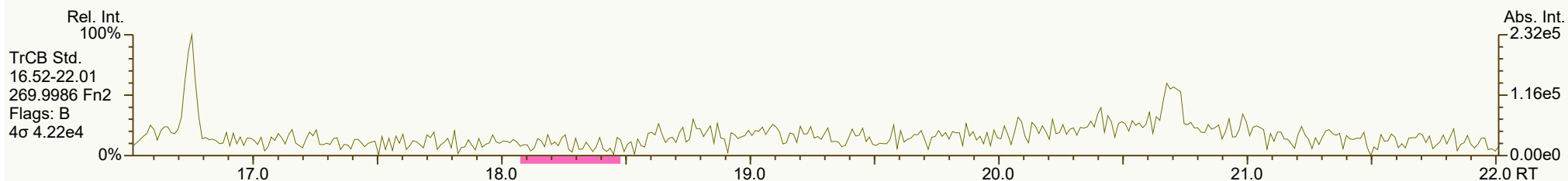
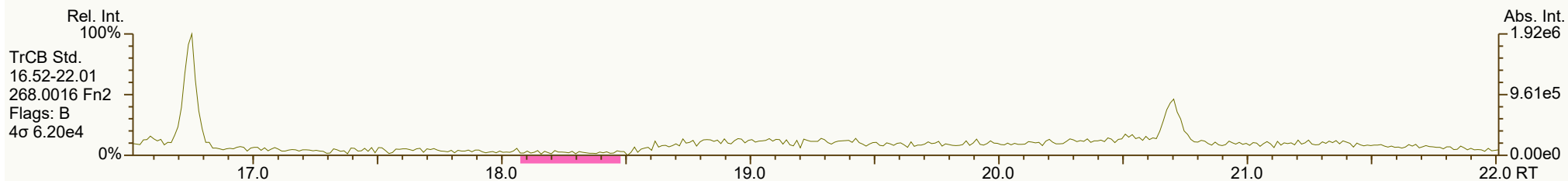
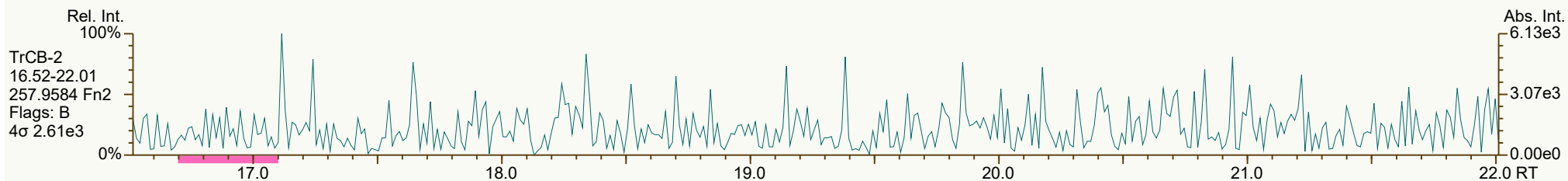
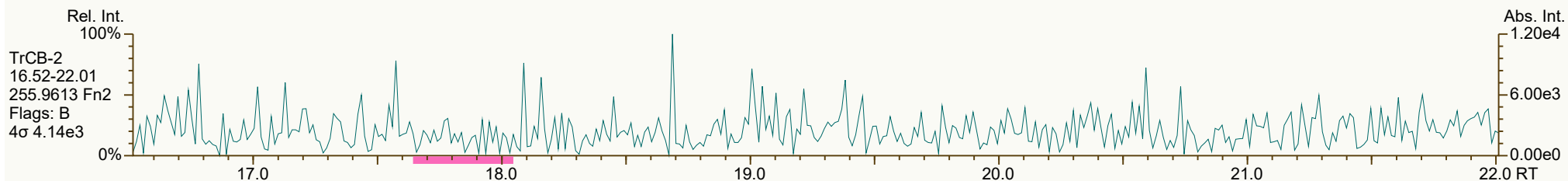
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7963, 9556 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 4 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3482, 6917 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 5 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



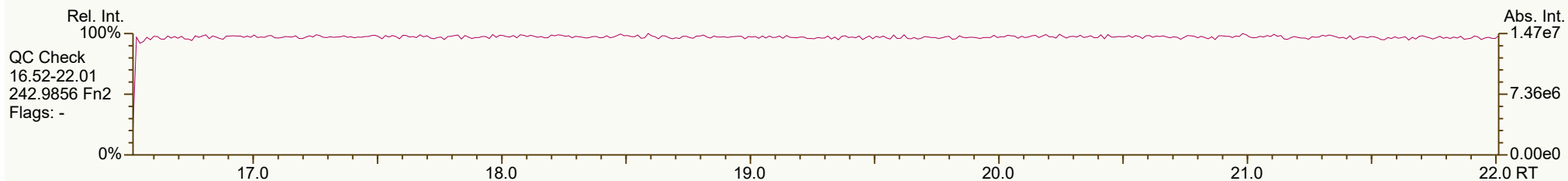
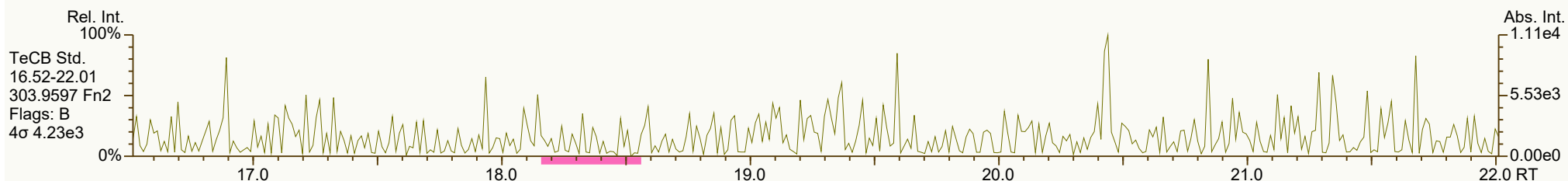
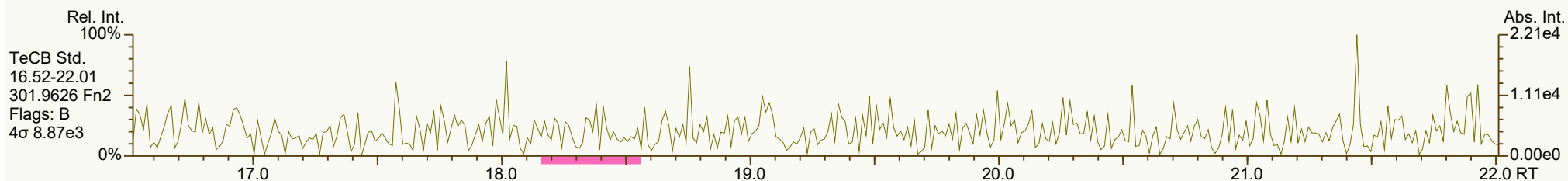
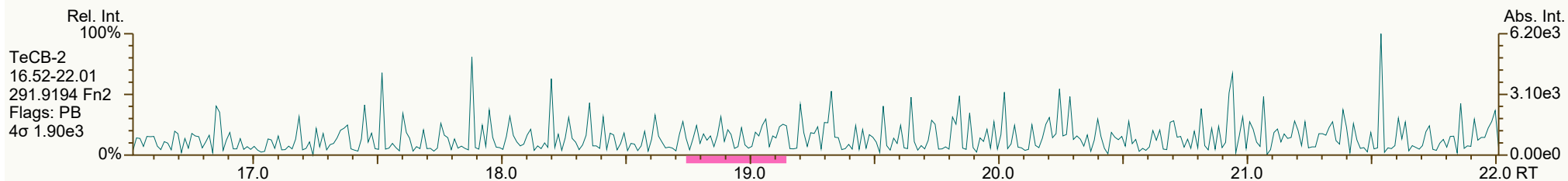
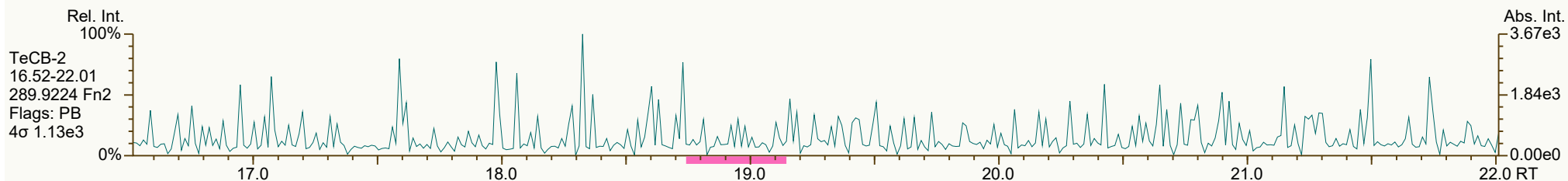
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1583, 3047 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 6 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7896, 7063 scc: 963-299

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:30 (RAB) Printed: 13-May-2024 11:32 Page 7 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0551, 3081 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 9 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



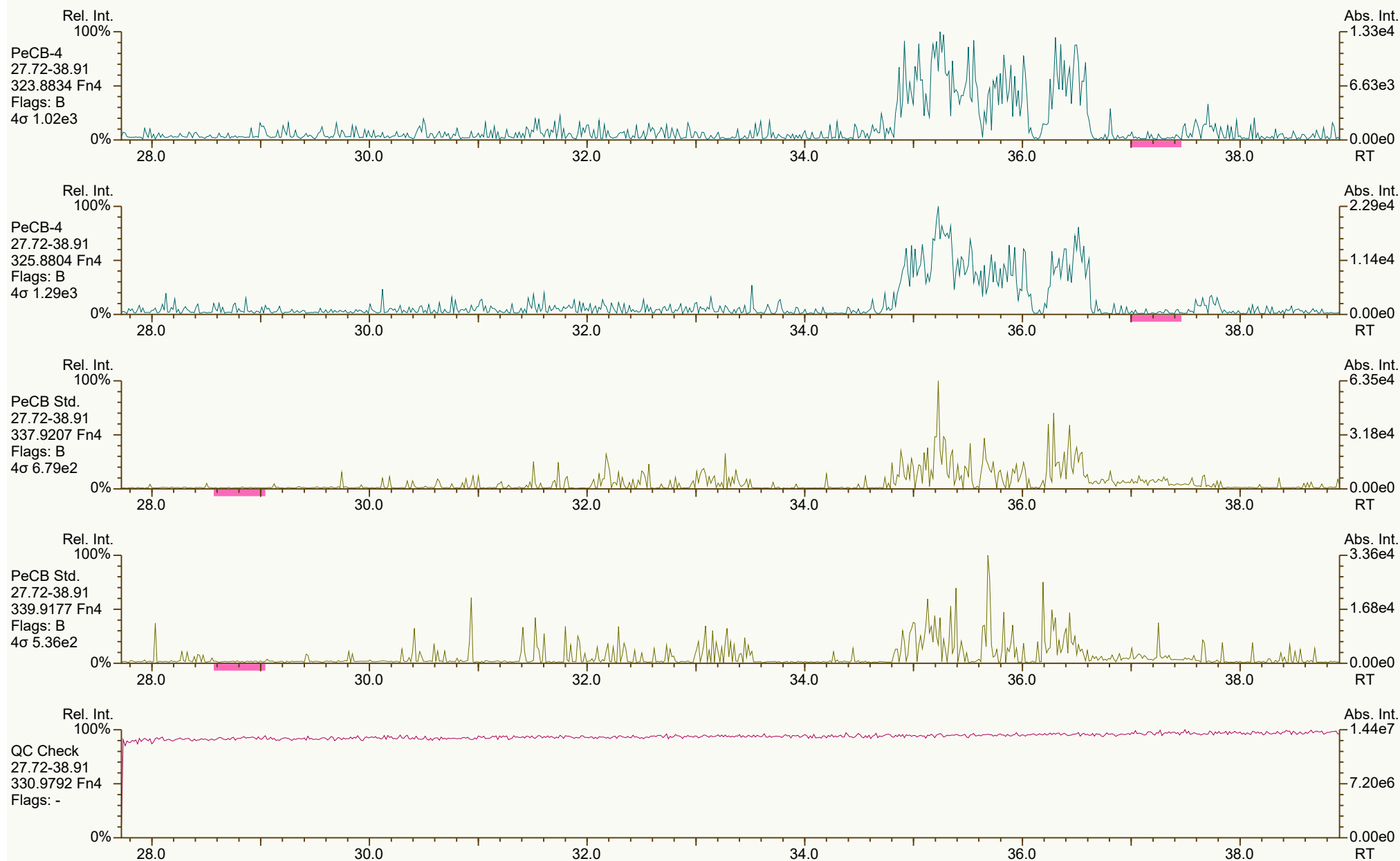
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0566, 8982 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 10 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



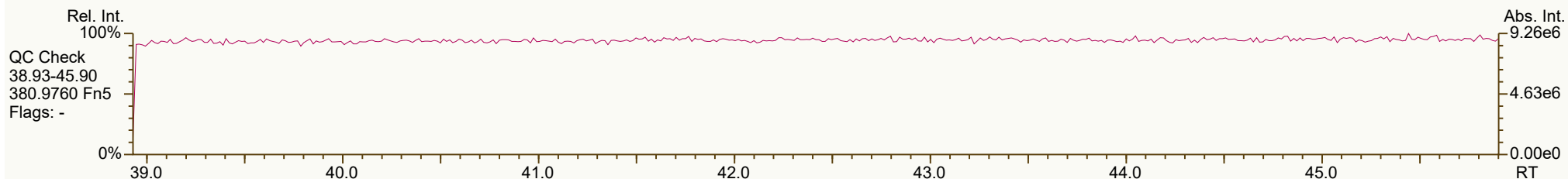
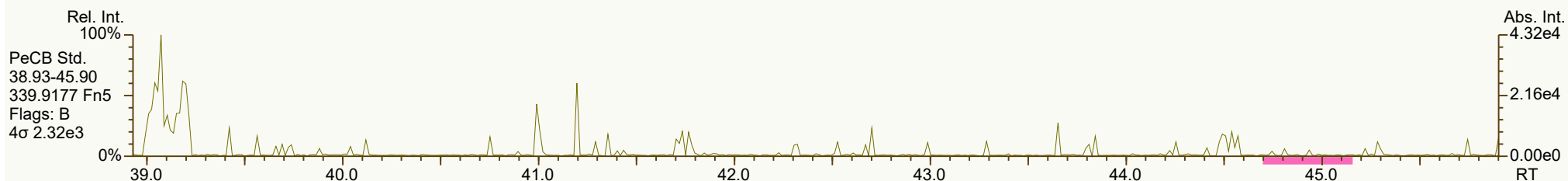
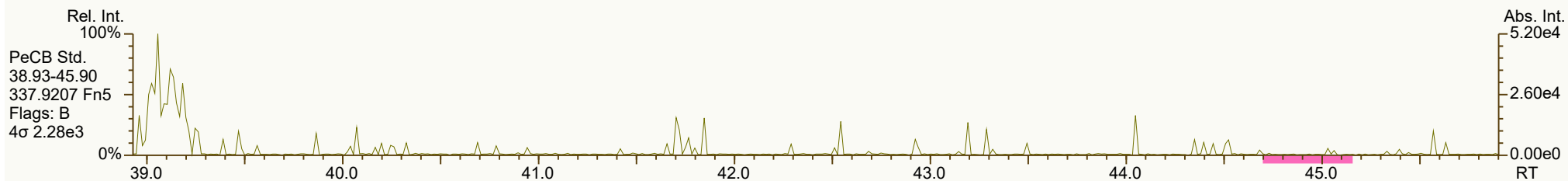
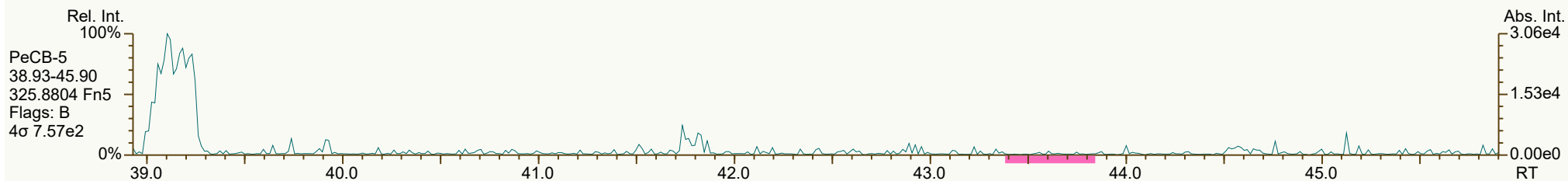
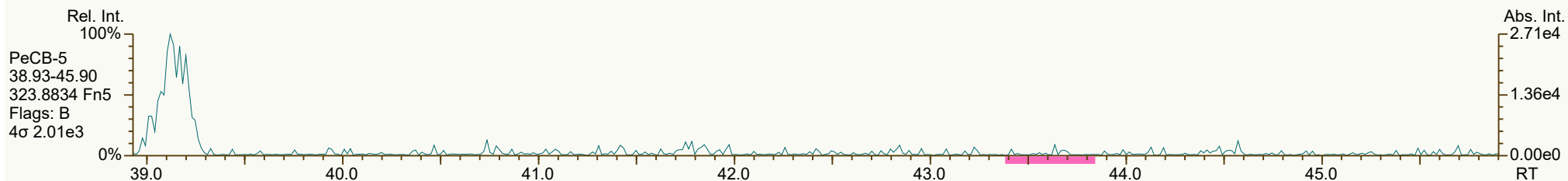
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6330, 3262 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 11 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4660, 3599 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 12 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8185, 5296 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 13 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



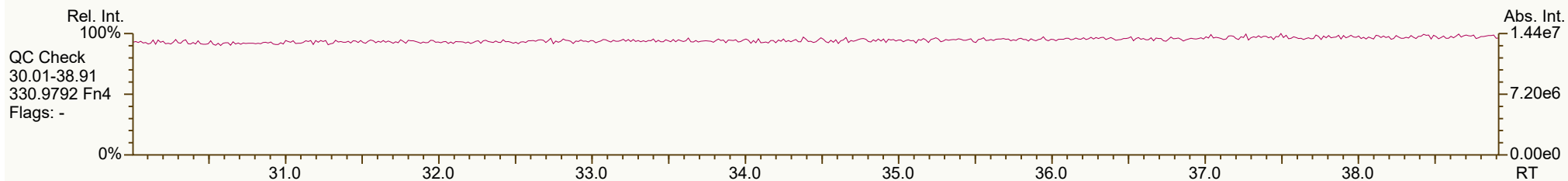
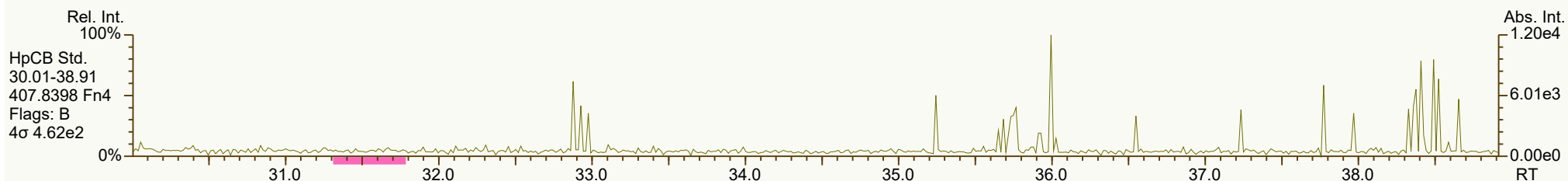
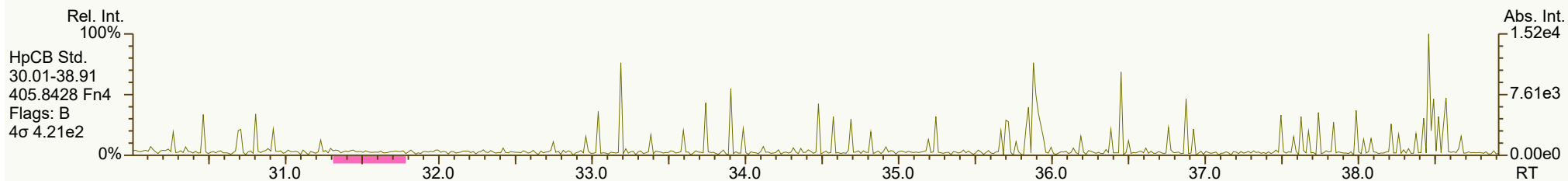
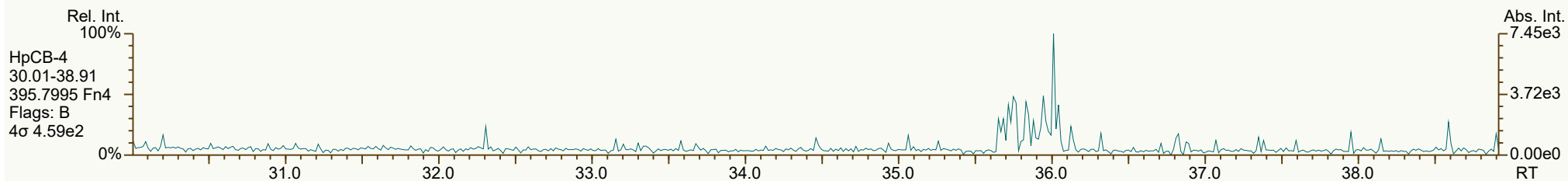
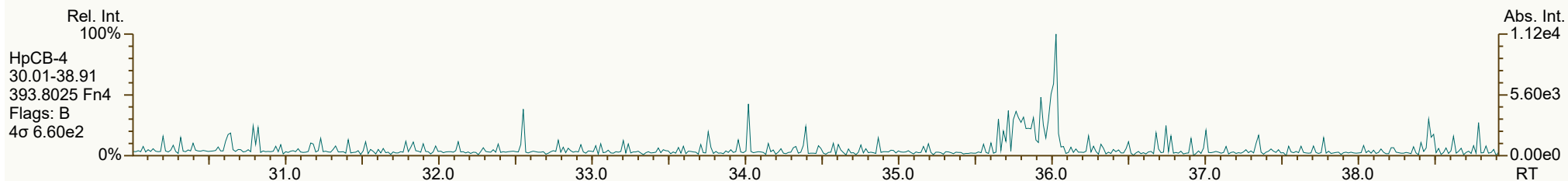
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3253, 1986 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 14 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3092, 2603 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 16 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3398, 9954 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 17 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9489, 0593 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 18 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4770, 8819 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 19 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



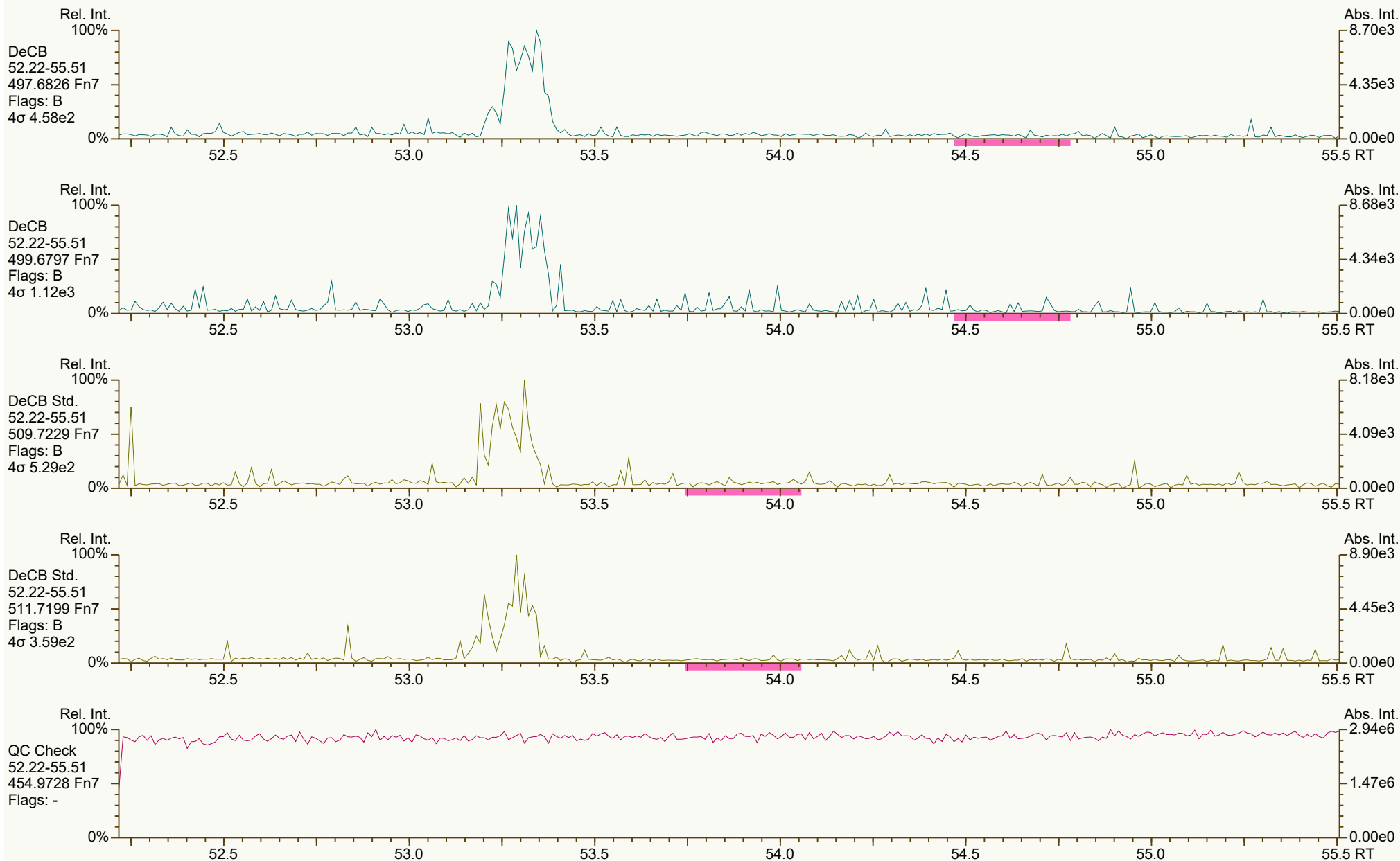
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1823, 7416 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 20 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



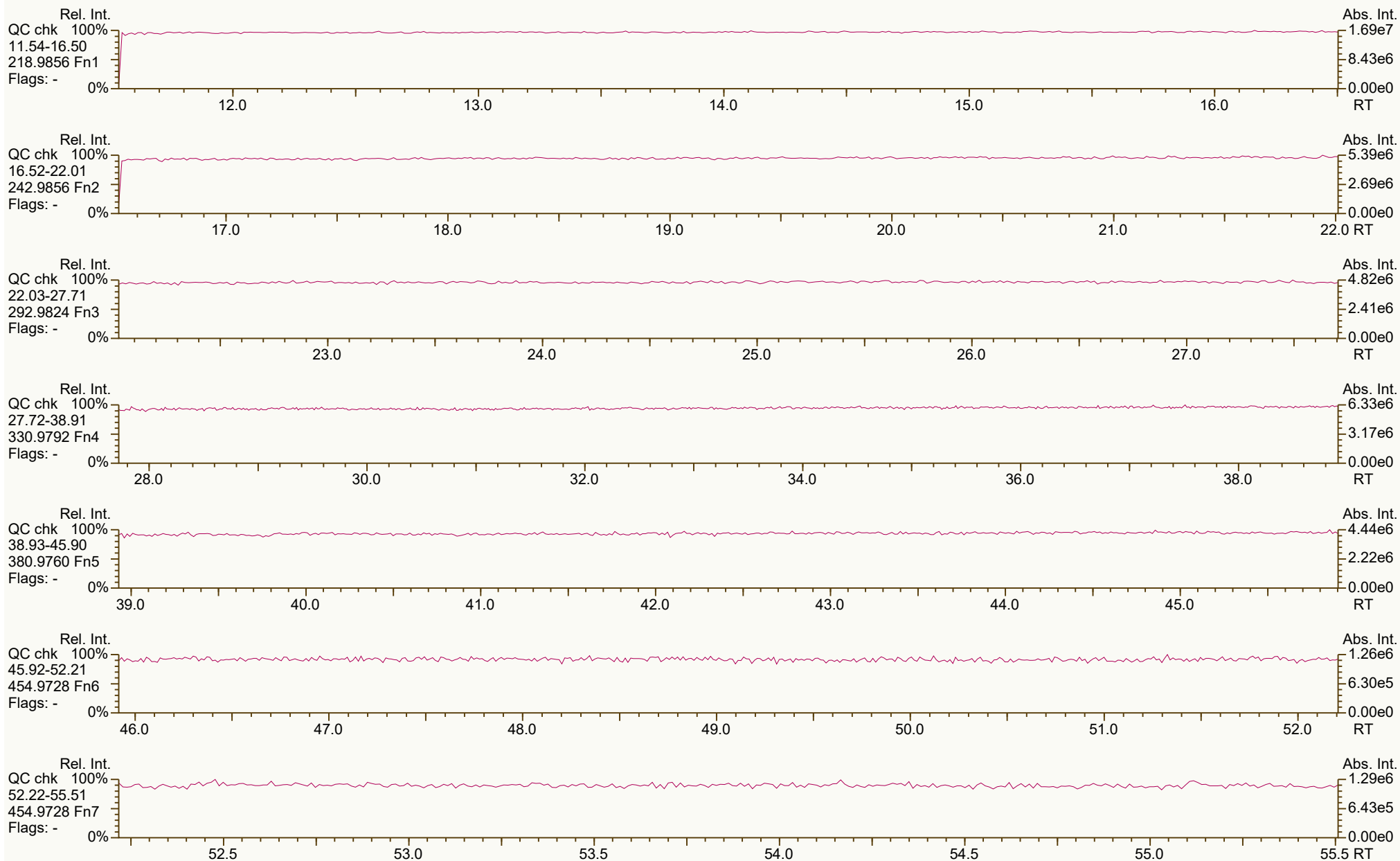
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SBS_240503_PCB_BA.utp_res, saved 13-May-2024 11:31 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0914, 6350 scc: 963-299

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 21 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



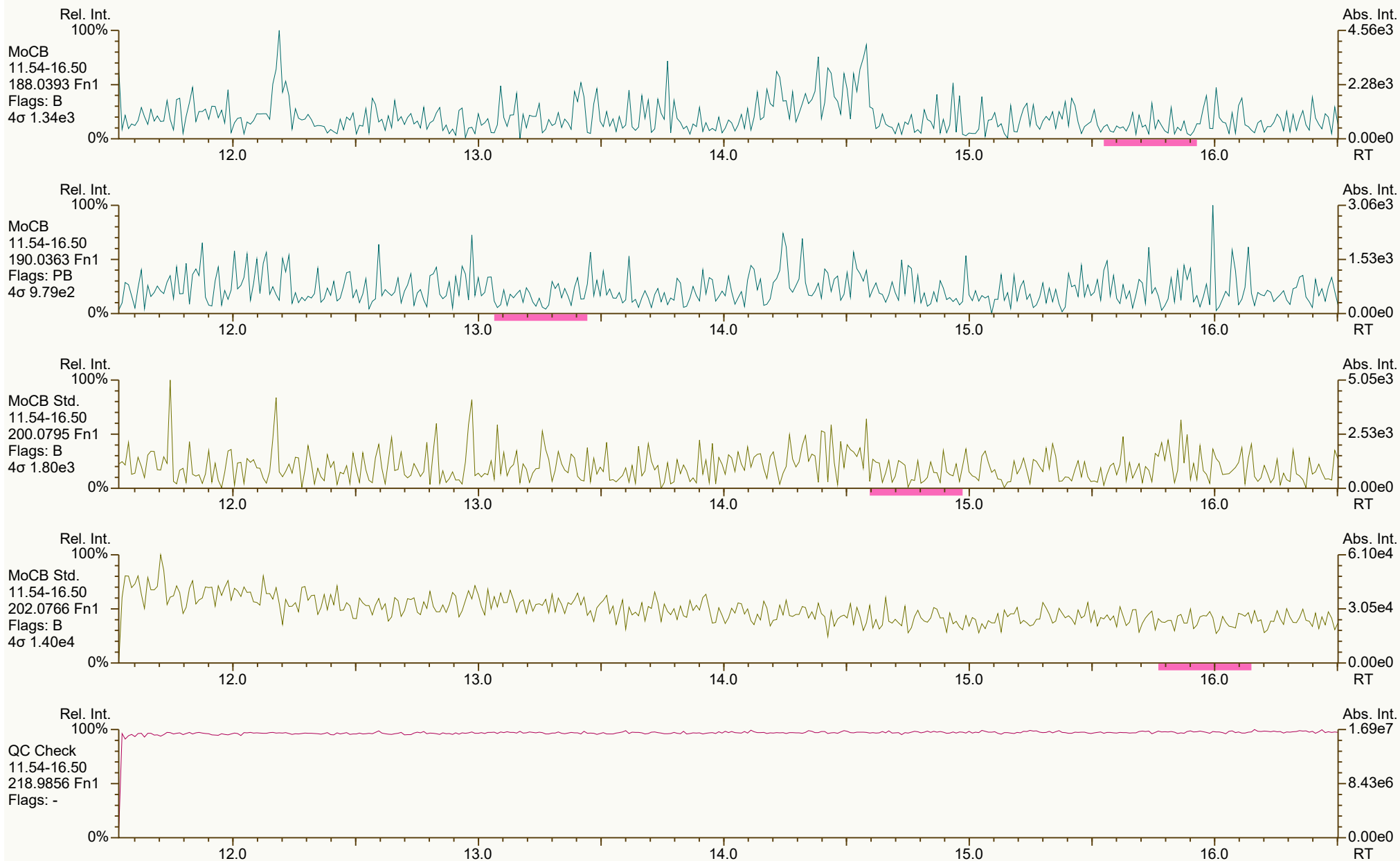
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 727-782

Peak annotation: Areas, Centroids
PKD: n/a Printed: 13-May-2024 11:29 Page 1 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



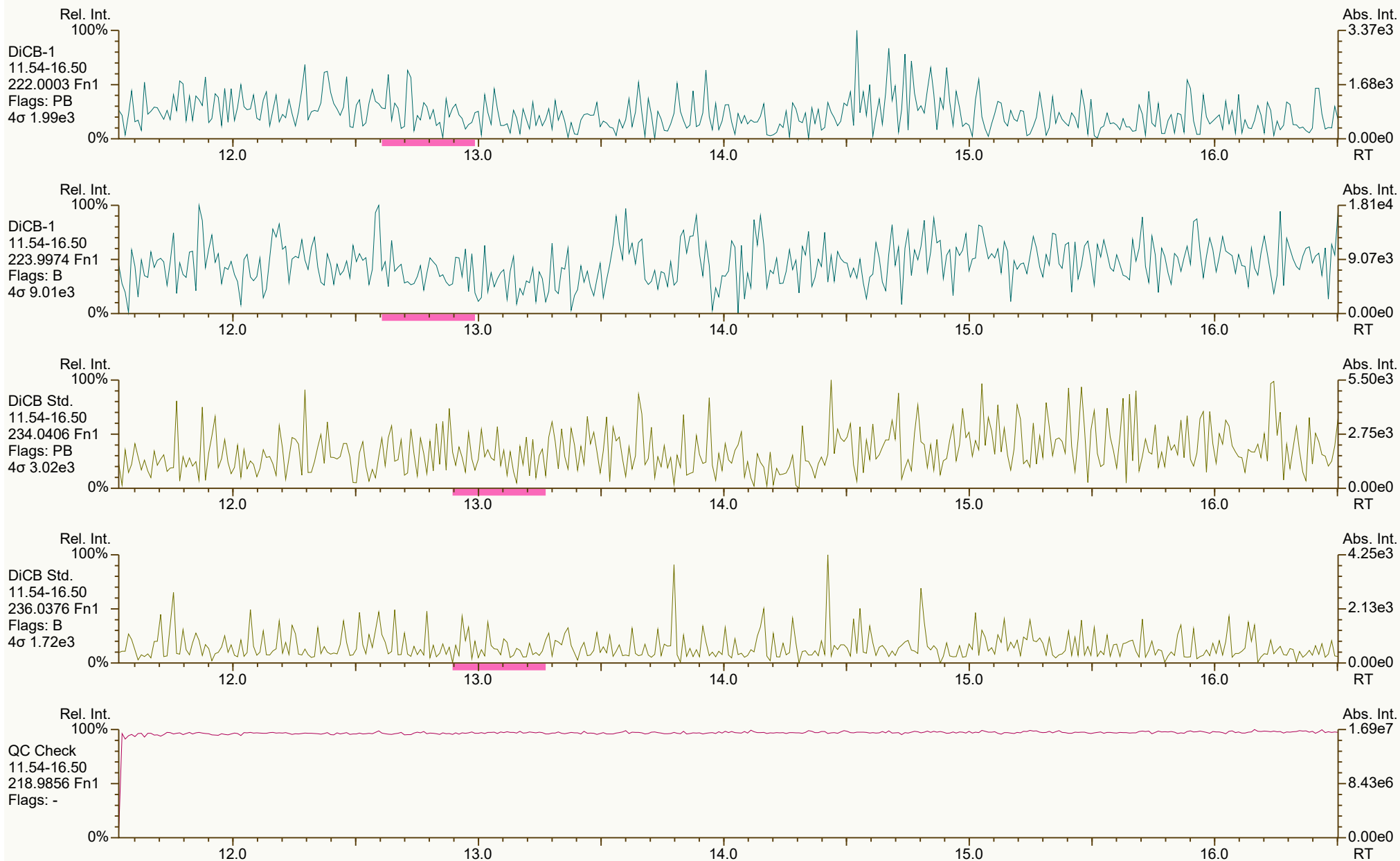
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2139, 1232 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 2 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



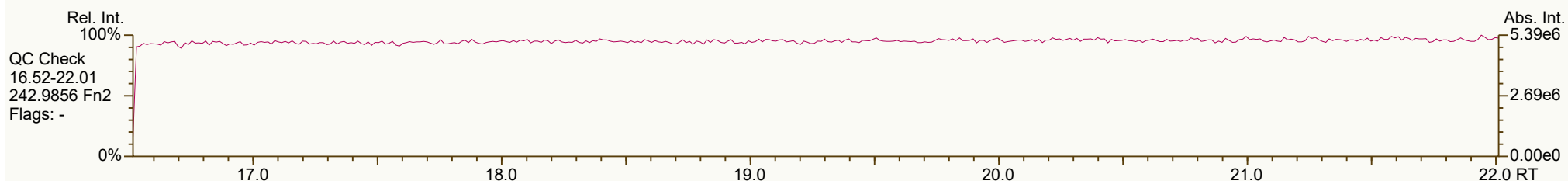
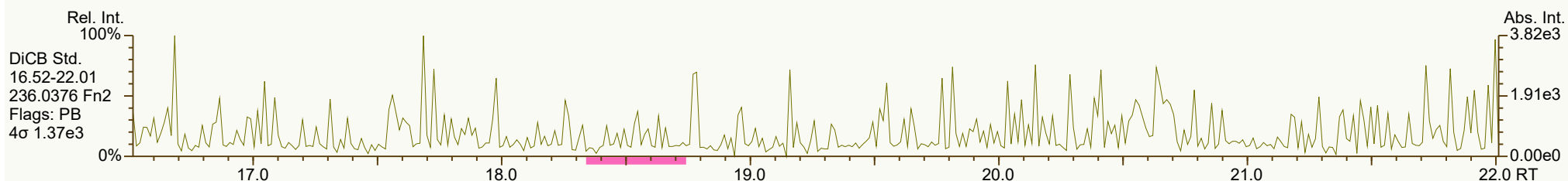
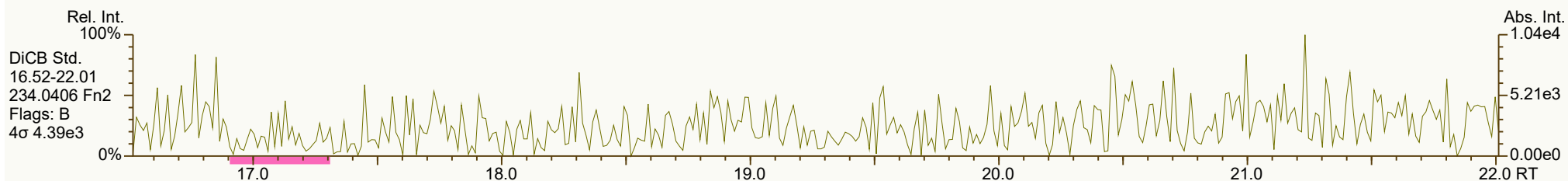
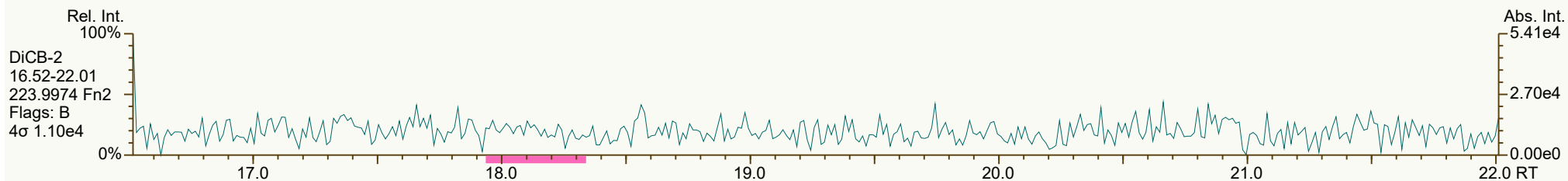
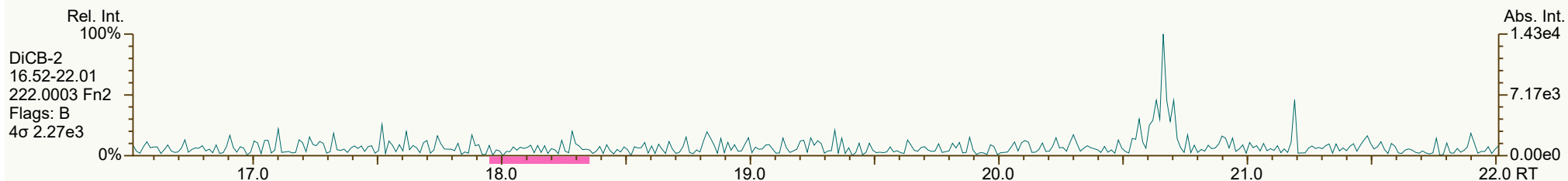
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4917, 0378 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 3 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



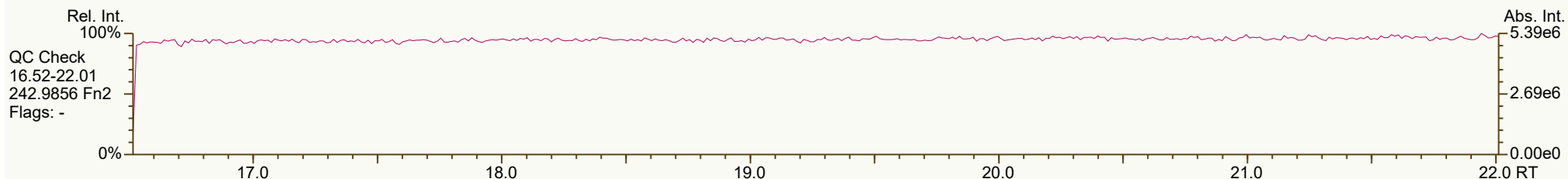
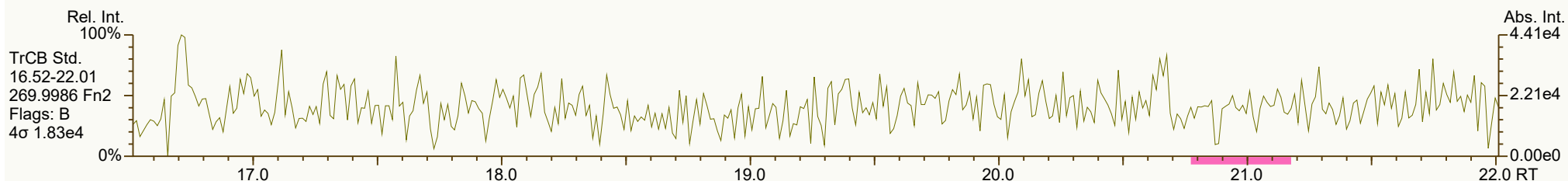
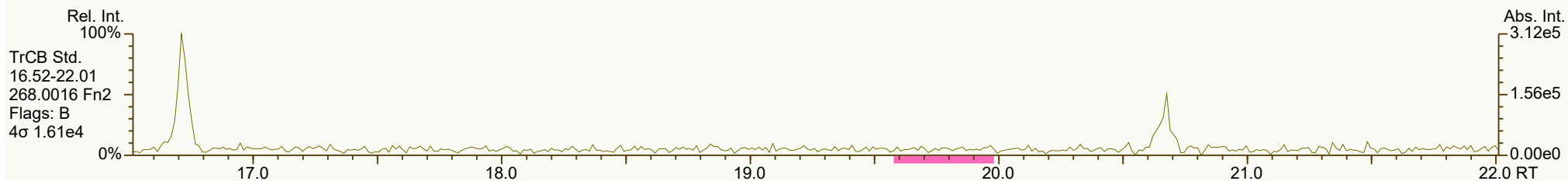
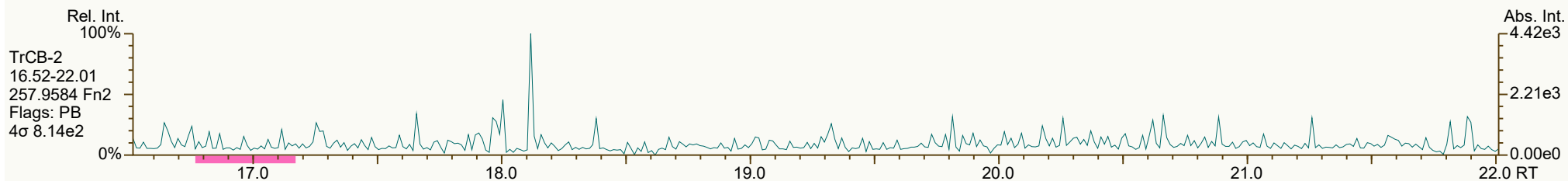
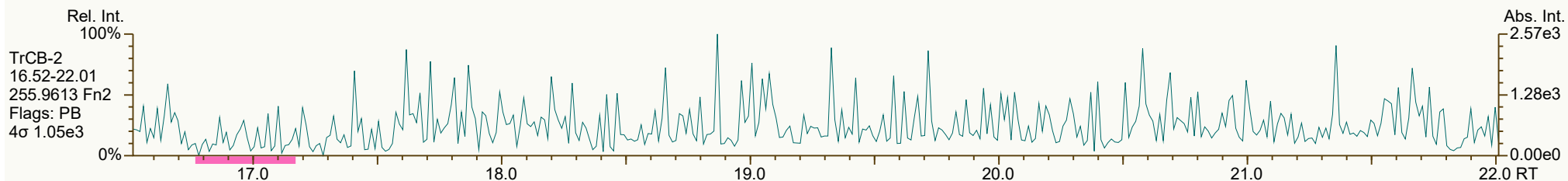
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB\USPF2F2DQX cc: 0877, 2716 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 4 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9167, 2210 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 5 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0030, 9301 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 6 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3813, 2900 scc: 727-782

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:21 (RAB) Printed: 13-May-2024 11:29 Page 7 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2709, 6647 scc: 727-782

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:21 (RAB) Printed: 13-May-2024 11:29 Page 8 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8908, 9802 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 9 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9289, 9184 scc: 727-782

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:21 (RAB) Printed: 13-May-2024 11:29 Page 10 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6767, 4754 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 11 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5155, 2262 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 12 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0856, 2997 scc: 727-782

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:21 (RAB) Printed: 13-May-2024 11:29 Page 13 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



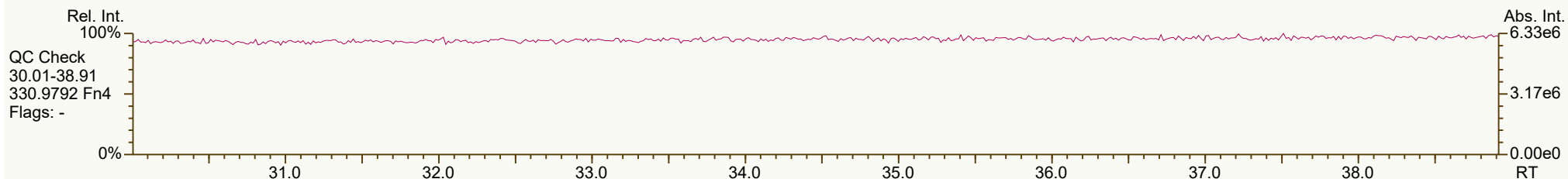
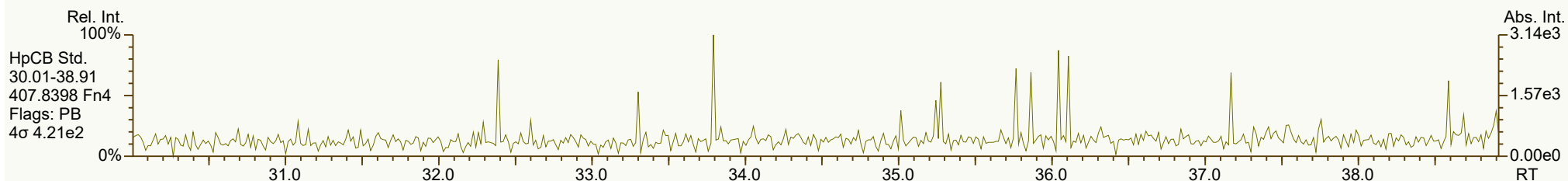
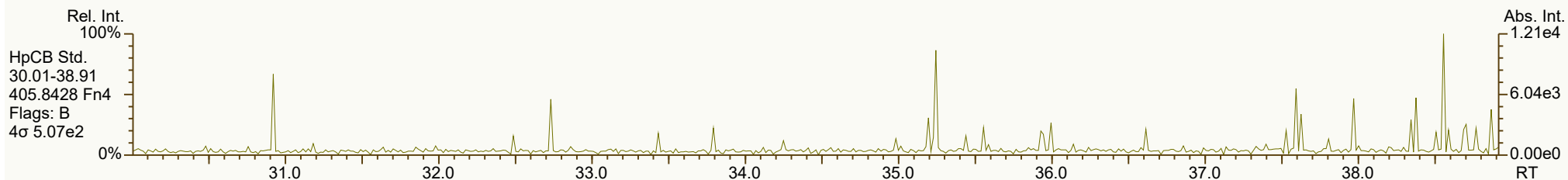
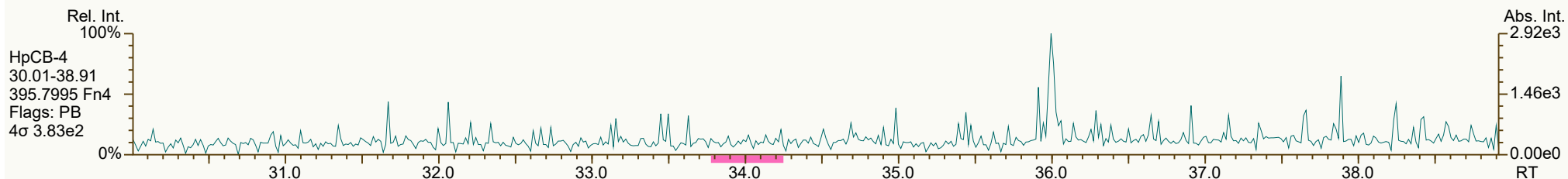
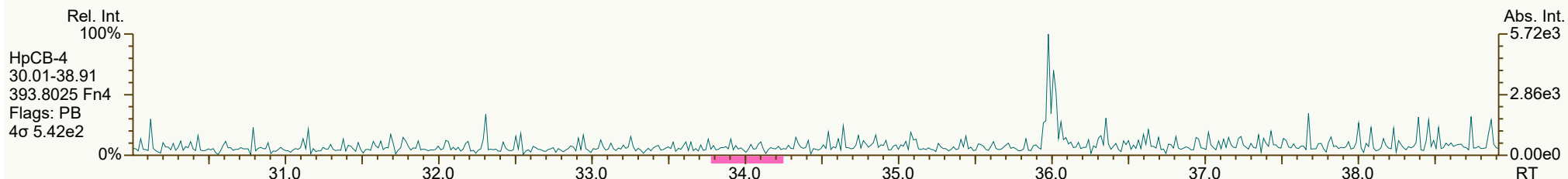
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3547, 8575 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 14 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7522, 7727 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 15 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



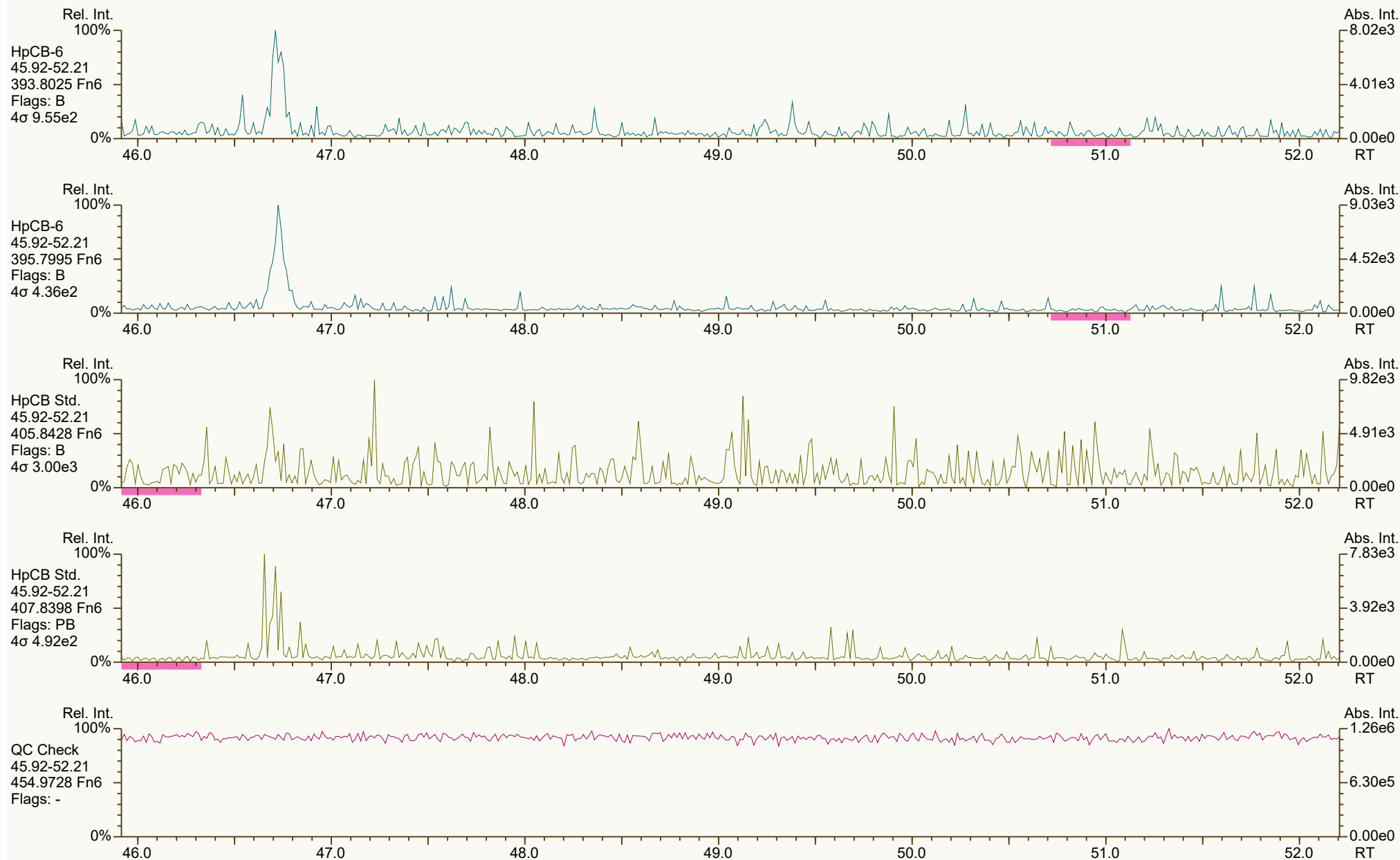
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5069, 4982 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 16 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3944, 7996 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 17 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1780, 9262 scc: 727-782

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:21 (RAB) Printed: 13-May-2024 11:29 Page 18 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2912, 5394 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 19 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5427, 1370 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 20 of 21

SGS ID: SB_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 13:01:42
User: PSW Datafile: 240503B08



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\SB_240503_PCB_BB.utp_res, saved 13-May-2024 11:21 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7014, 4669 scc: 727-782

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 21 of 21

Instrument: HRMS2 (AutoSpec-Ultima)				MS Experiment: pcb-2016		GC Program: pcb90_FI			
#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
11	240503B11	98	SB_240503_PCB_BD	1.00	Distilled Nonane		002-863	03-May-2024	16:24:34
12	240503B12	8	CS3_240503_PCB_BB	1.00	ICV SIL 27-48-3	PSW, RAB	558-687	03-May-2024	17:23:10

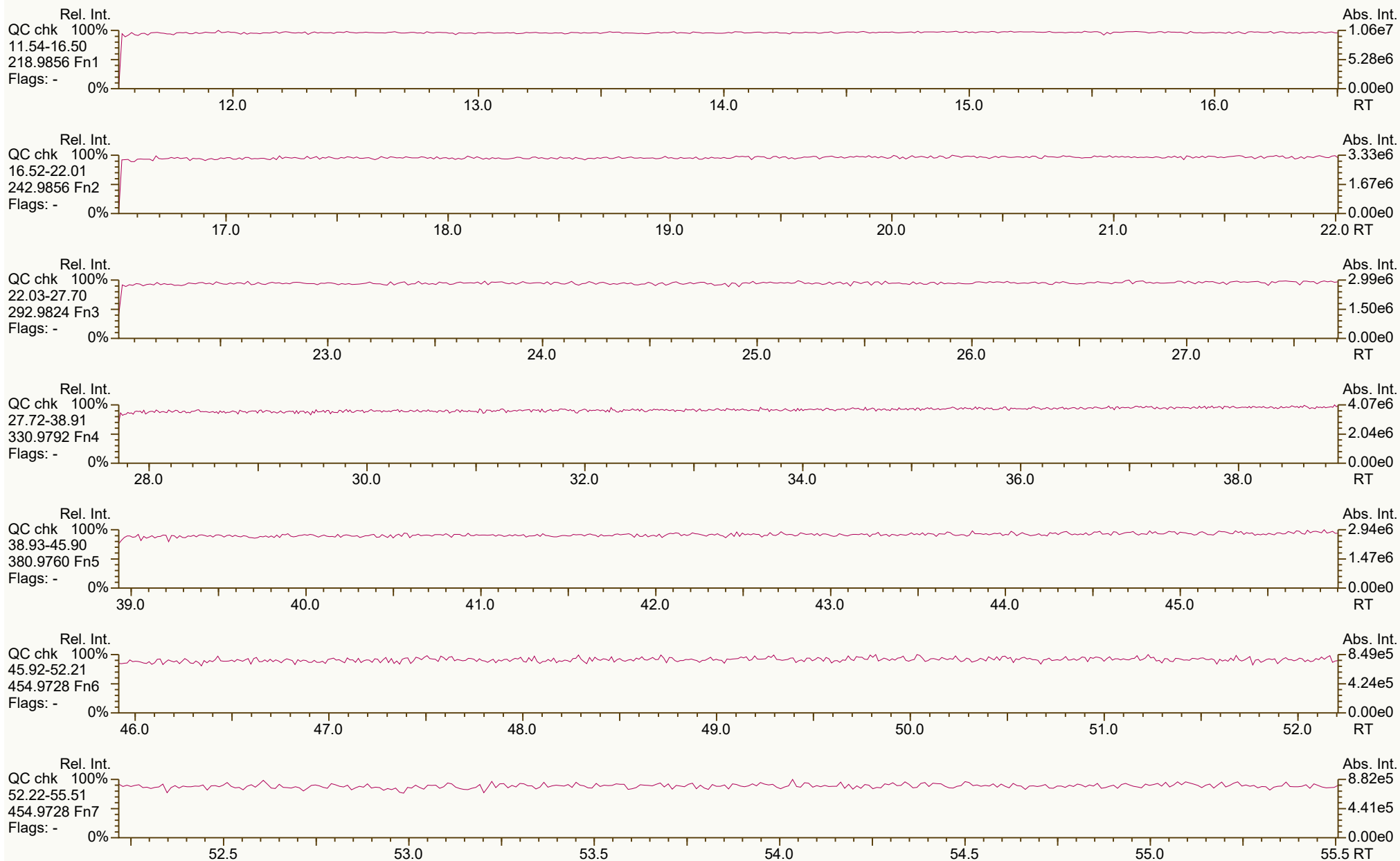
PCB QC Summary		SGS North America			Printed: 8 May 2024 11:11		
Lab ID:	CS3_240503_PCB_BB						
Acquired:	03-MAY-2024 17:23			ICAL: HRMS2_PCB_03MAY2024			
Datafile:	240503B12						
Name	RT	Response	RA	ICAL	RRF	Deviation	
PCB-77 33'44'-TeCB	33.52	9.61E+06	0.77 Y	0.95	0.99	4.9%	
PCB-81 344'5'-TeCB	33.03	9.54E+06	0.78 Y	0.94	0.94	-0.3%	
PCB-105 233'44'-PeCB	36.55	1.02E+07	0.60 Y	0.97	0.94	-3.2%	
PCB-114 2344'5'-PeCB	35.99	1.16E+07	0.63 Y	0.96	1.00	4.3%	
PCB-118 23'44'5'-PeCB	35.52	1.03E+07	0.61 Y	0.99	0.97	-1.4%	
PCB-123 23'44'5'-PeCB	35.24	9.40E+06	0.61 Y	0.96	0.96	-0.3%	
PCB-126 33'44'5'-PeCB	39.20	1.11E+07	0.60 Y	0.96	0.99	2.2%	
PCB-156/157 ...-HxCB	41.78	3.21E+07	1.24 Y	0.96	1.00	4.0%	
PCB-167 23'44'55'-HxCB	40.78	1.51E+07	1.25 Y	0.94	0.97	3.2%	
PCB-169 33'44'55'-HxCB	44.54	1.68E+07	1.23 Y	0.97	1.03	6.3%	
PCB-189 233'44'55'-HpCB	46.70	1.67E+07	1.00 Y	0.93	0.91	-1.8%	
PCB-209 DeCB	53.26	1.37E+07	1.19 Y	0.95	1.01	6.0%	
ES PCB-1	12.17	5.48E+07	3.15 Y	1.19	1.63	36.8%	
ES PCB-3	14.52	4.34E+07	3.13 Y	1.13	1.29	14.1%	
ES PCB-4	14.78	2.83E+07	1.63 Y	0.72	0.84	16.1%	
ES PCB-15	20.63	3.02E+07	1.61 Y	1.07	0.90	-16.4%	
ES PCB-19	17.94	2.29E+07	1.05 Y	0.65	0.68	5.0%	
ES PCB-37	27.07	1.92E+07	1.05 Y	1.40	1.21	-13.8%	
ES PCB-54	20.92	2.46E+07	0.76 Y	1.23	1.55	25.5%	
ES PCB-77	33.50	1.93E+07	0.77 Y	1.28	1.22	-5.0%	
ES PCB-81	33.01	2.03E+07	0.79 Y	1.33	1.28	-3.9%	
ES PCB-104	25.98	2.02E+07	1.54 Y	1.32	1.38	4.5%	
ES PCB-105	36.53	2.18E+07	1.63 Y	1.26	1.48	17.9%	
ES PCB-114	35.97	2.32E+07	1.63 Y	1.34	1.57	17.1%	
ES PCB-118	35.50	2.11E+07	1.61 Y	1.31	1.43	9.2%	
ES PCB-123	35.21	1.96E+07	1.61 Y	1.27	1.33	5.2%	
ES PCB-126	39.18	2.25E+07	1.65 Y	1.19	1.53	29.0%	
ES PCB-153	37.10	2.09E+07	1.27 Y	1.11	0.98	-11.4%	
ES PCB-155	31.01	2.39E+07	1.25 Y	1.45	1.12	-22.6%	
ES PCB-156/157	41.76	6.44E+07	1.28 Y	1.24	1.52	22.3%	
ES PCB-167	40.76	3.12E+07	1.21 Y	1.29	1.47	14.0%	
ES PCB-169	44.52	3.26E+07	1.28 Y	1.18	1.53	30.0%	
ES PCB-170	44.02	2.56E+07	1.03 Y	1.06	0.98	-7.2%	
ES PCB-180	42.93	2.93E+07	1.04 Y	1.25	1.12	-10.3%	
ES PCB-188	35.96	2.68E+07	1.05 Y	1.36	1.26	-7.5%	
ES PCB-189	46.68	3.68E+07	1.08 Y	1.37	1.41	3.0%	
ES PCB-202	40.55	3.14E+07	0.87 Y	1.19	1.48	24.0%	
ES PCB-205	49.18	3.33E+07	0.92 Y	1.23	1.28	3.9%	
ES PCB-206	51.15	2.44E+07	0.80 Y	0.89	0.94	5.4%	
ES PCB-208	46.26	3.25E+07	0.79 Y	1.26	1.25	-0.8%	
ES PCB-209	53.23	2.72E+07	1.20 Y	0.98	1.04	6.2%	

PCB QC Summary		SGS North America			Printed: 8 May 2024 11:11		
Lab ID:	CS3_240503_PCB_BB						
Acquired:	03-MAY-2024 17:23			ICAL: HRMS2_PCB_03MAY2024			
Datafile:	240503B12						
Name	RT	Response	RA	ICAL	RRF	Deviation	
SS PCB-28	23.45	2.28E+07	1.04 Y	1.04	1.19	14.8%	
SS PCB-111	33.50	1.86E+07	1.54 Y	0.98	0.95	-3.8%	
SS PCB-178	38.55	2.28E+07	1.08 Y	0.71	0.85	20.1%	
CS PCB-28	23.45	2.28E+07	1.04 Y	1.44	1.44	-0.4%	
CS PCB-111	33.50	1.86E+07	1.54 Y	1.24	1.26	1.6%	
CS PCB-178	38.55	2.28E+07	1.08 Y	0.96	1.07	11.2%	
JS PCB-9	16.81	3.37E+07	1.62 Y				
JS PCB-52	25.10	1.59E+07	0.75 Y				
JS PCB-101	31.18	1.47E+07	1.58 Y				
JS PCB-138	38.18	2.13E+07	1.24 Y				
JS PCB-194	48.68	2.61E+07	0.88 Y				
PCB-1 2-MoCB	12.18	2.79E+07	3.16 Y	1.01	1.02	1.1%	
PCB-3 4-MoCB	14.54	2.23E+07	3.23 Y	1.01	1.03	1.1%	
PCB-4 22'-DiCB	14.80	1.49E+07	1.58 Y	0.98	1.05	6.7%	
PCB-15 44'-DiCB	20.64	1.51E+07	1.55 Y	0.97	1.00	3.7%	
PCB-19 22'6-TrCB	17.96	1.22E+07	1.04 Y	1.03	1.07	3.1%	
PCB-37 344'-TrCB	27.09	1.02E+07	1.05 Y	1.03	1.06	3.1%	
PCB-54 22'66'-TeCB	20.94	1.37E+07	0.78 Y	1.09	1.12	2.5%	
PCB-104 22'466'-PeCB	26.00	1.03E+07	0.59 Y	1.00	1.02	2.0%	
PCB-155 22'44'66'-HxCB	31.03	1.12E+07	1.29 Y	0.95	0.94	-1.8%	
PCB-188 22'34'566'-HpCB	35.98	1.36E+07	1.04 Y	0.96	1.02	5.3%	
PCB-202 22'33'55'66'-OcCB	40.57	1.58E+07	0.87 Y	0.96	1.01	5.4%	
PCB-205 233'44'55'6-OcCB	49.20	1.53E+07	0.90 Y	0.92	0.92	-0.1%	
PCB-208 22'33'455'66'-NoCB	46.29	1.53E+07	0.80 Y	0.96	0.94	-1.9%	
PCB-206 22'33'44'55'6-NoCB	51.18	1.13E+07	0.76 Y	0.93	0.93	0.1%	
FS PCB-8	17.64	3.27E+07	1.57 Y	0.91	1.08	18.6%	
FS PCB-31	23.17	2.33E+07	1.05 Y	1.06	1.22	14.7%	
FS PCB-60	30.46	1.65E+07	0.81 Y	0.83	0.81	-1.8%	
FS PCB-85	32.77	1.33E+07	1.59 Y	0.69	0.68	-1.9%	
FS PCB-128	39.29	1.99E+07	1.27 Y	0.65	0.64	-2.3%	
FS PCB-182	39.52	2.31E+07	1.08 Y	0.91	0.79	-13.6%	

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



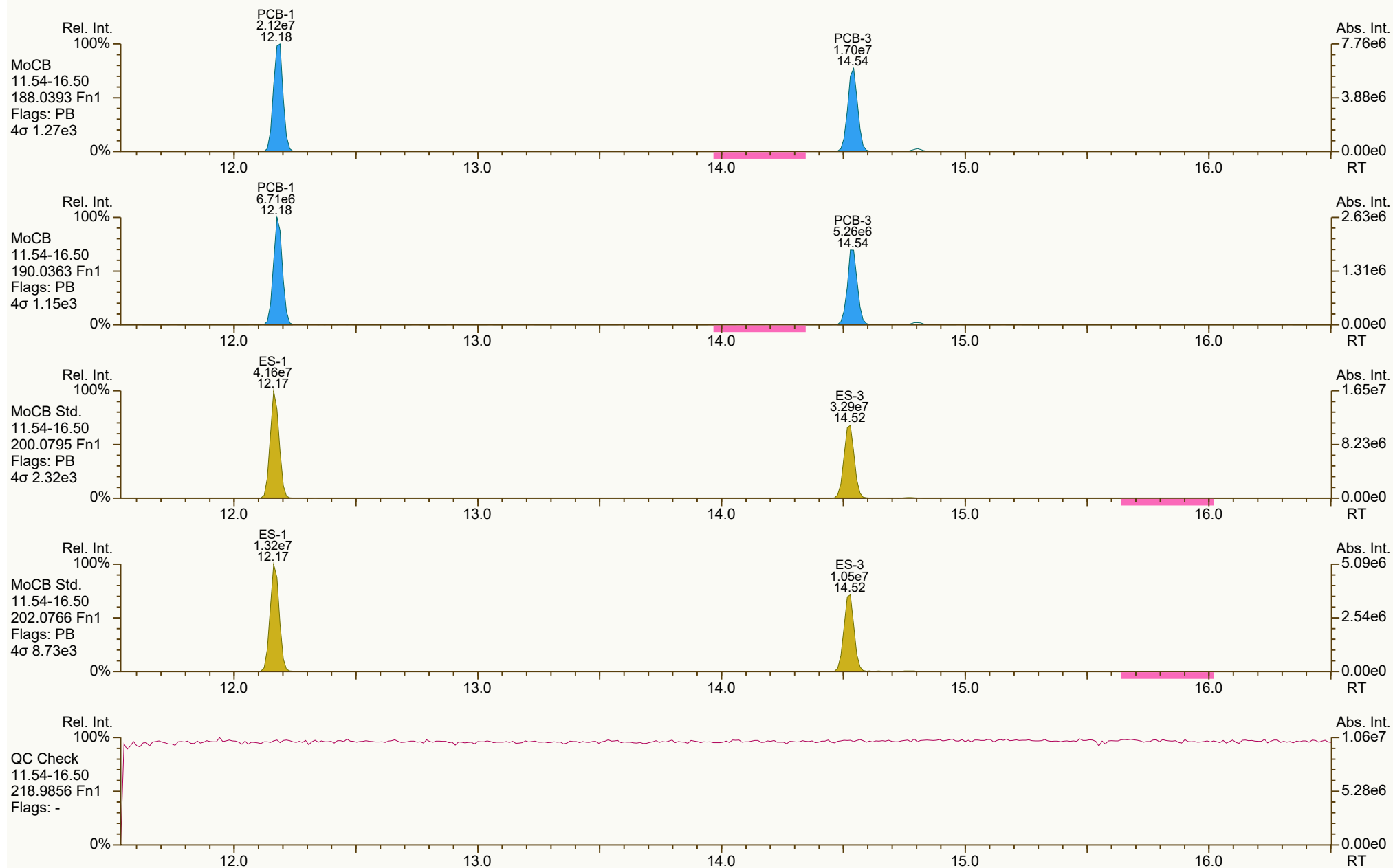
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.udp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 558-687

Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 11:14 Page 1 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3725, 3261 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:14 Page 2 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9027, 6824 scc: 558-687

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:57 (JHL) Printed: 08-May-2024 11:14 Page 3 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



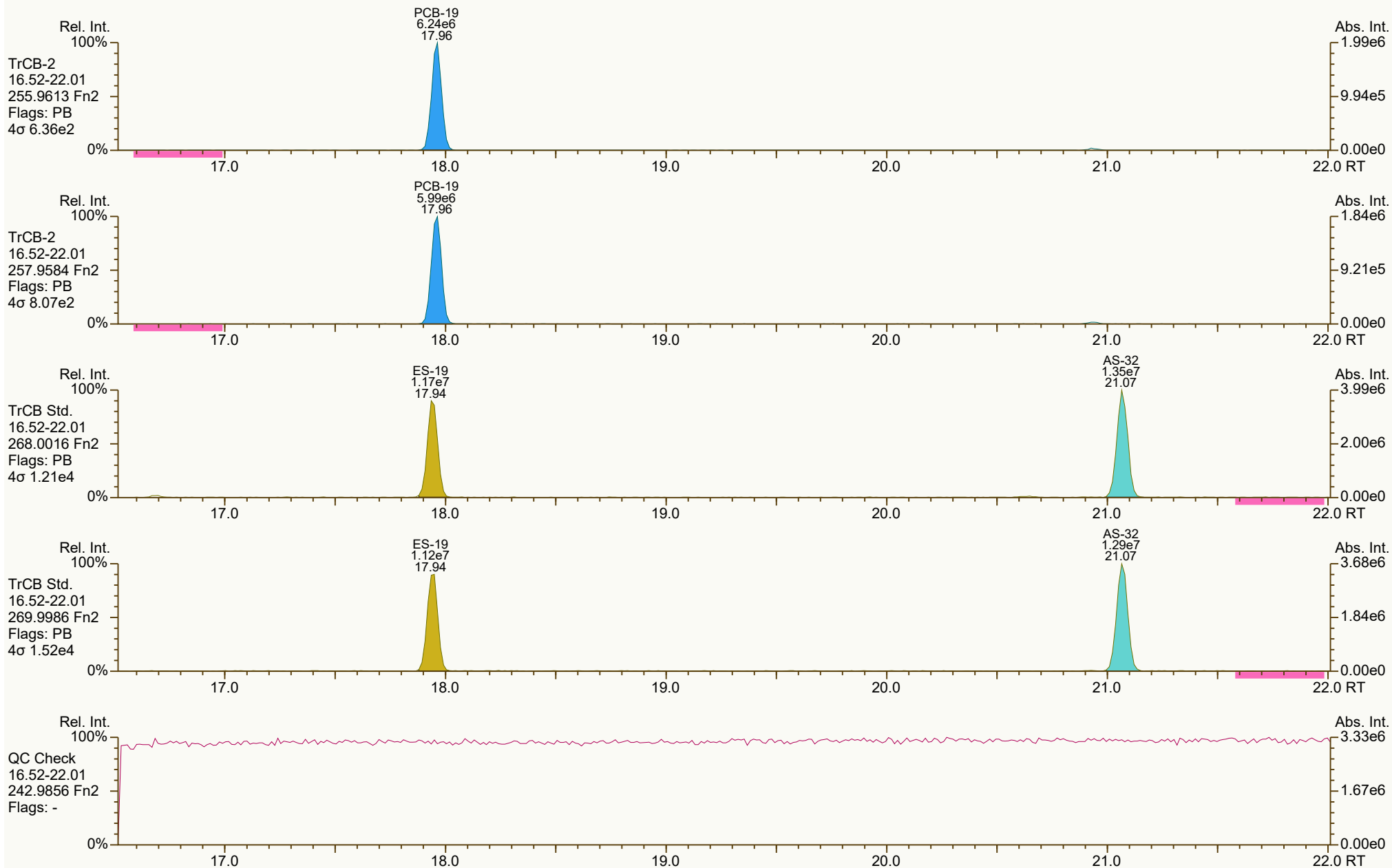
Results: T:\Top sheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4425, 5816 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:14 Page 4 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5000, 3142 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:14 Page 5 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



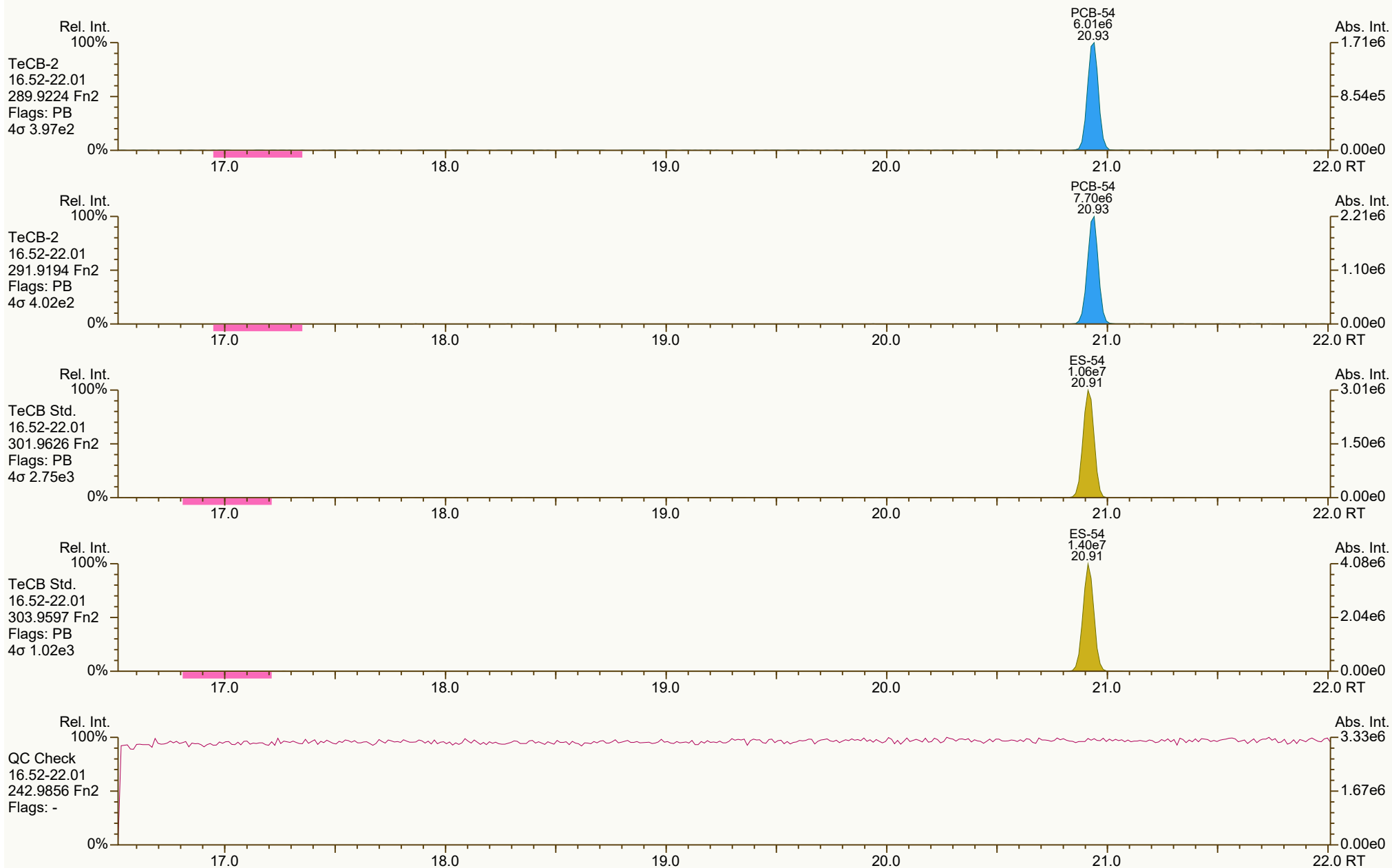
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1416, 0104 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:14 Page 6 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5293, 9825 scc: 558-687

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:57 (JHL) Printed: 08-May-2024 11:14 Page 7 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



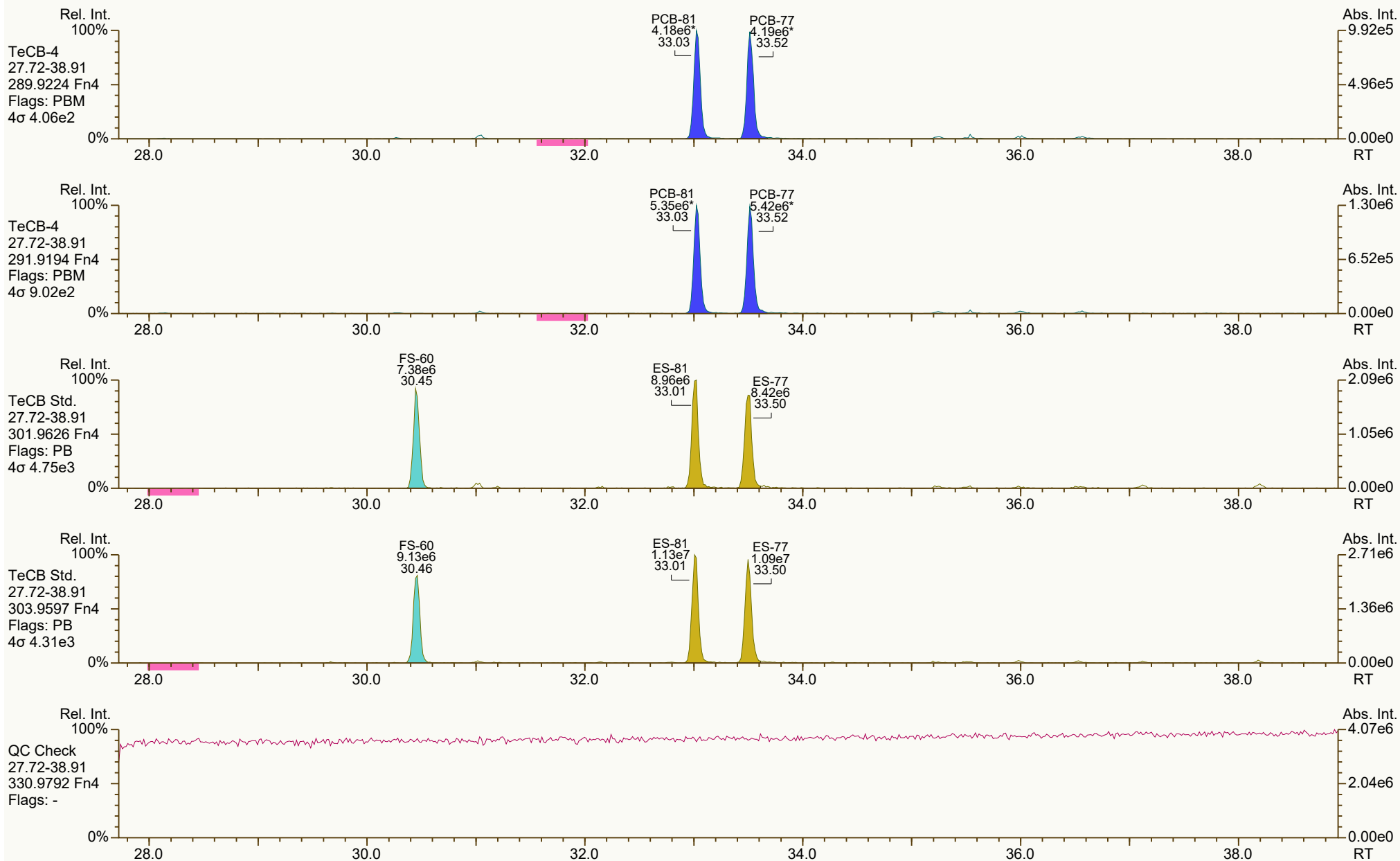
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6824, 6596 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 10:22 Printed: 08-May-2024 11:14 Page 8 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



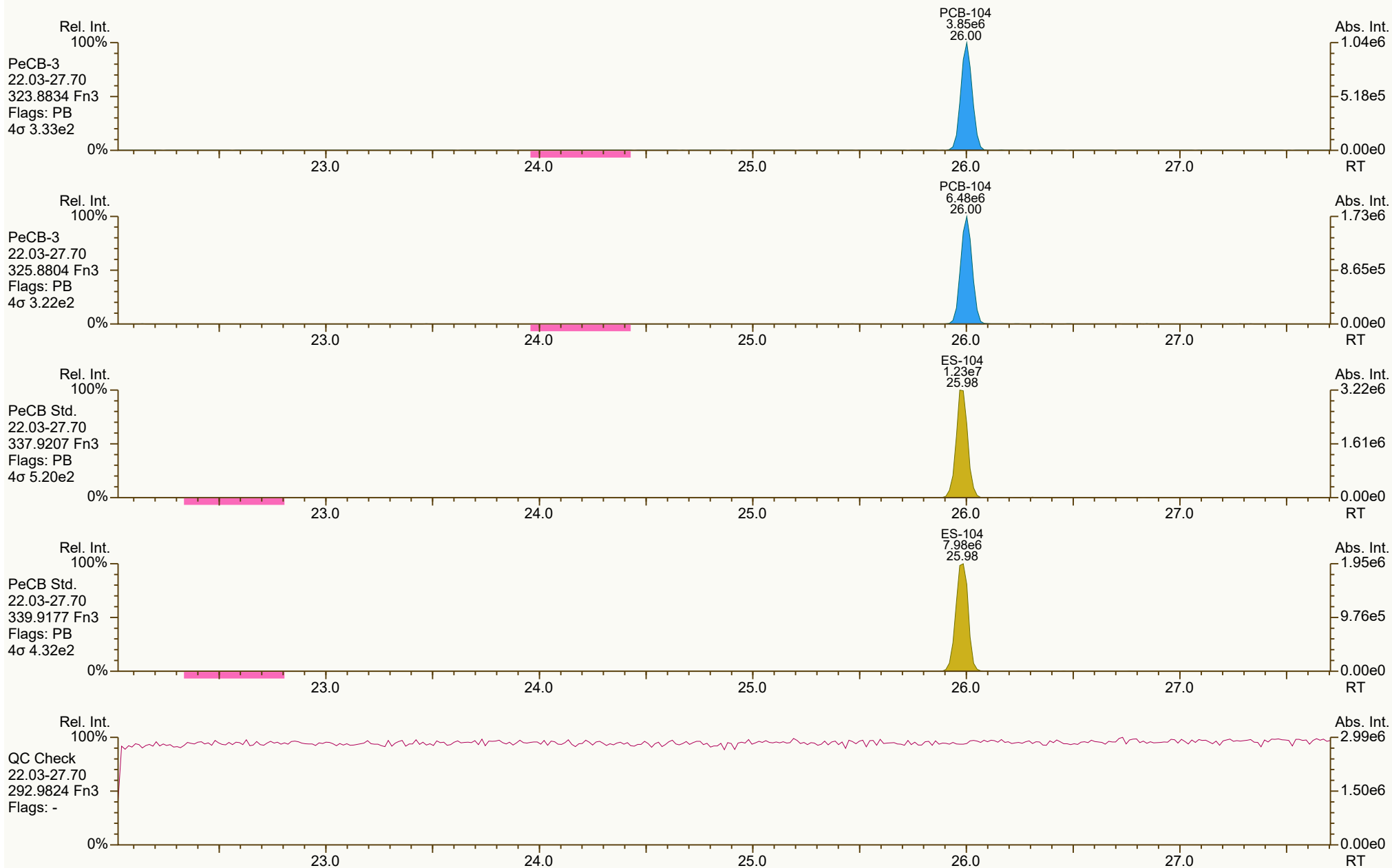
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9176, 5333 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 10:22 Printed: 08-May-2024 11:14 Page 9 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

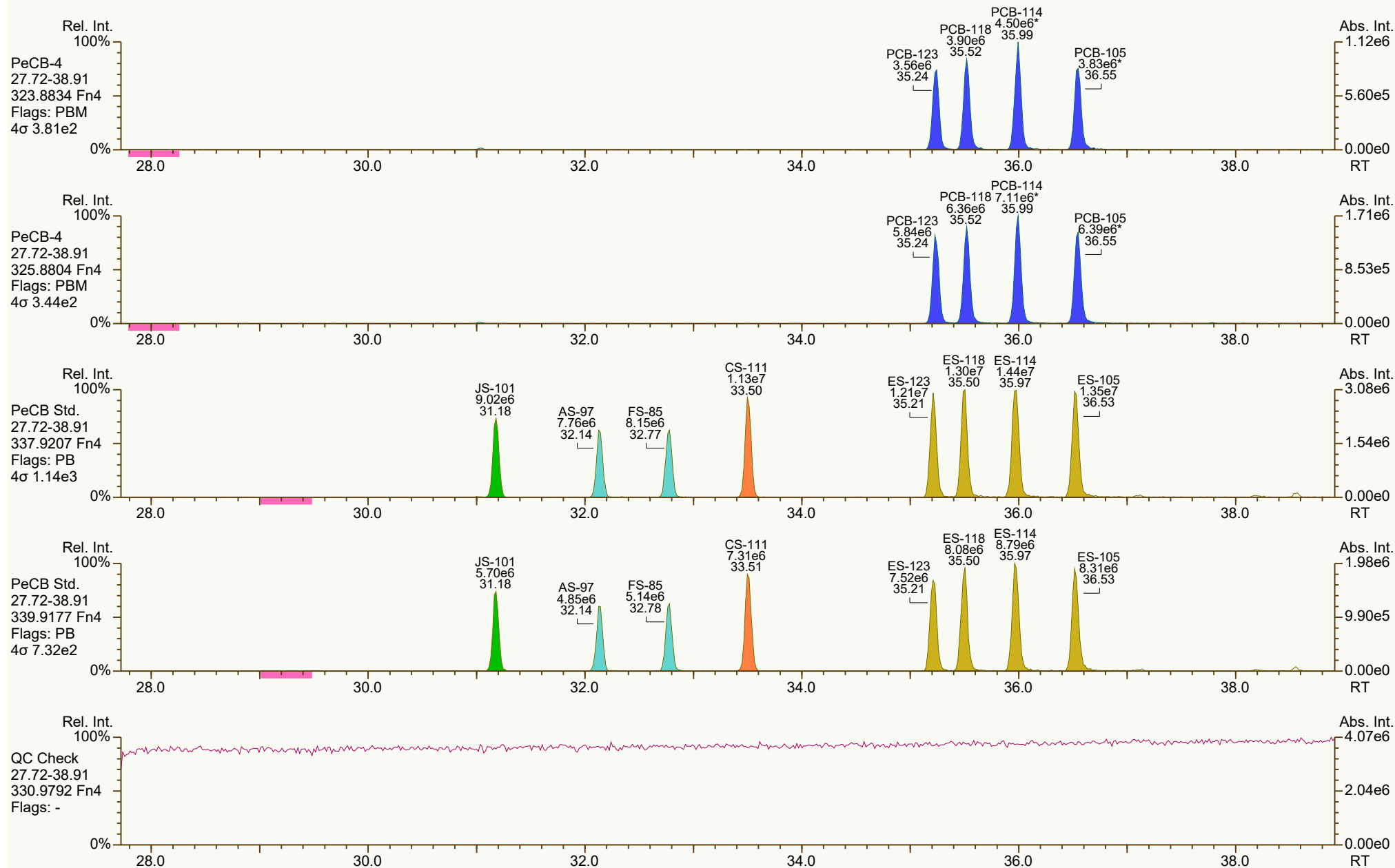
Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



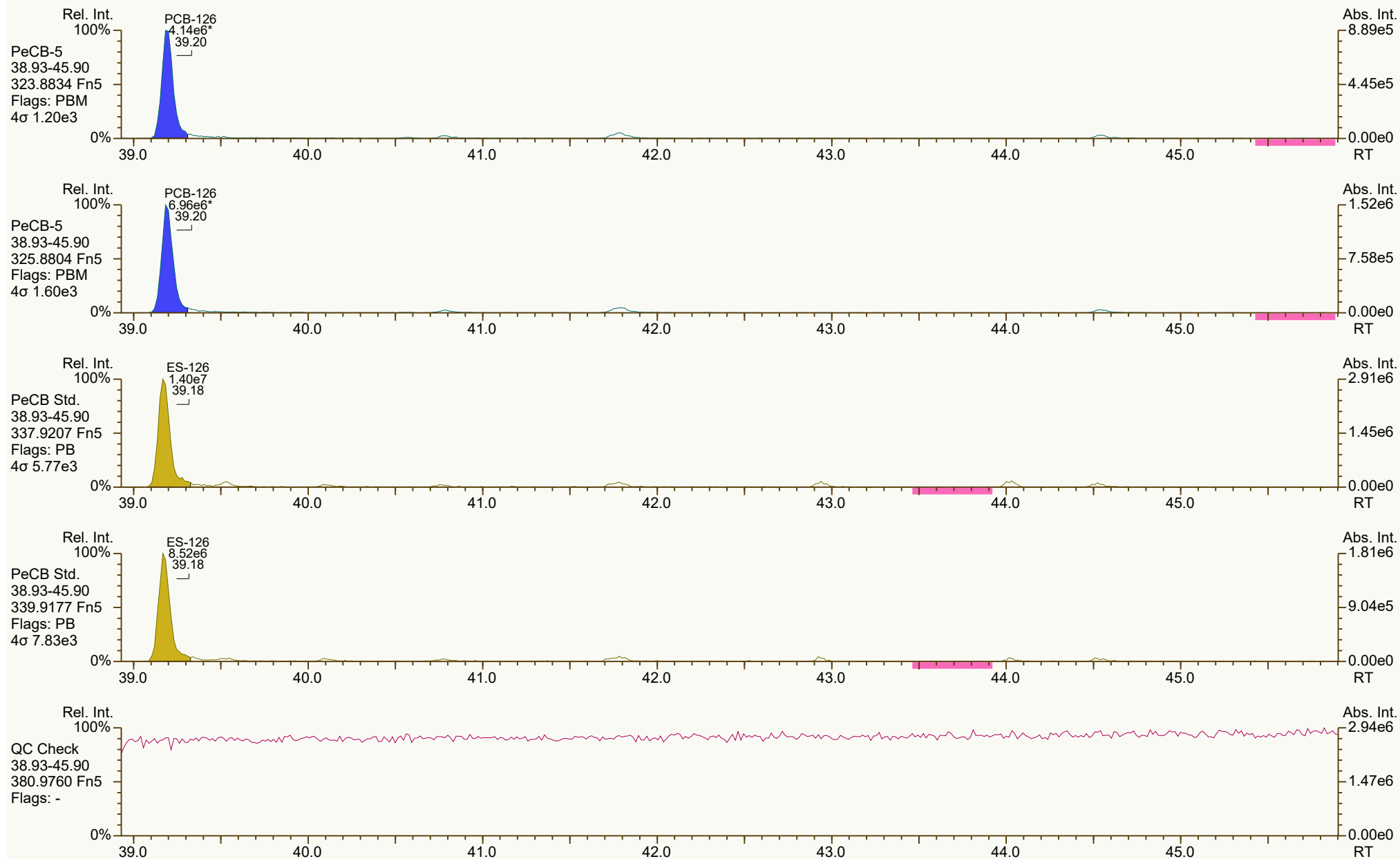
Results: T:\Topsheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8736, 5257 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 10:22 Printed: 08-May-2024 11:14 Page 11 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2088, 4787 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 10:22 Printed: 08-May-2024 11:14 Page 12 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



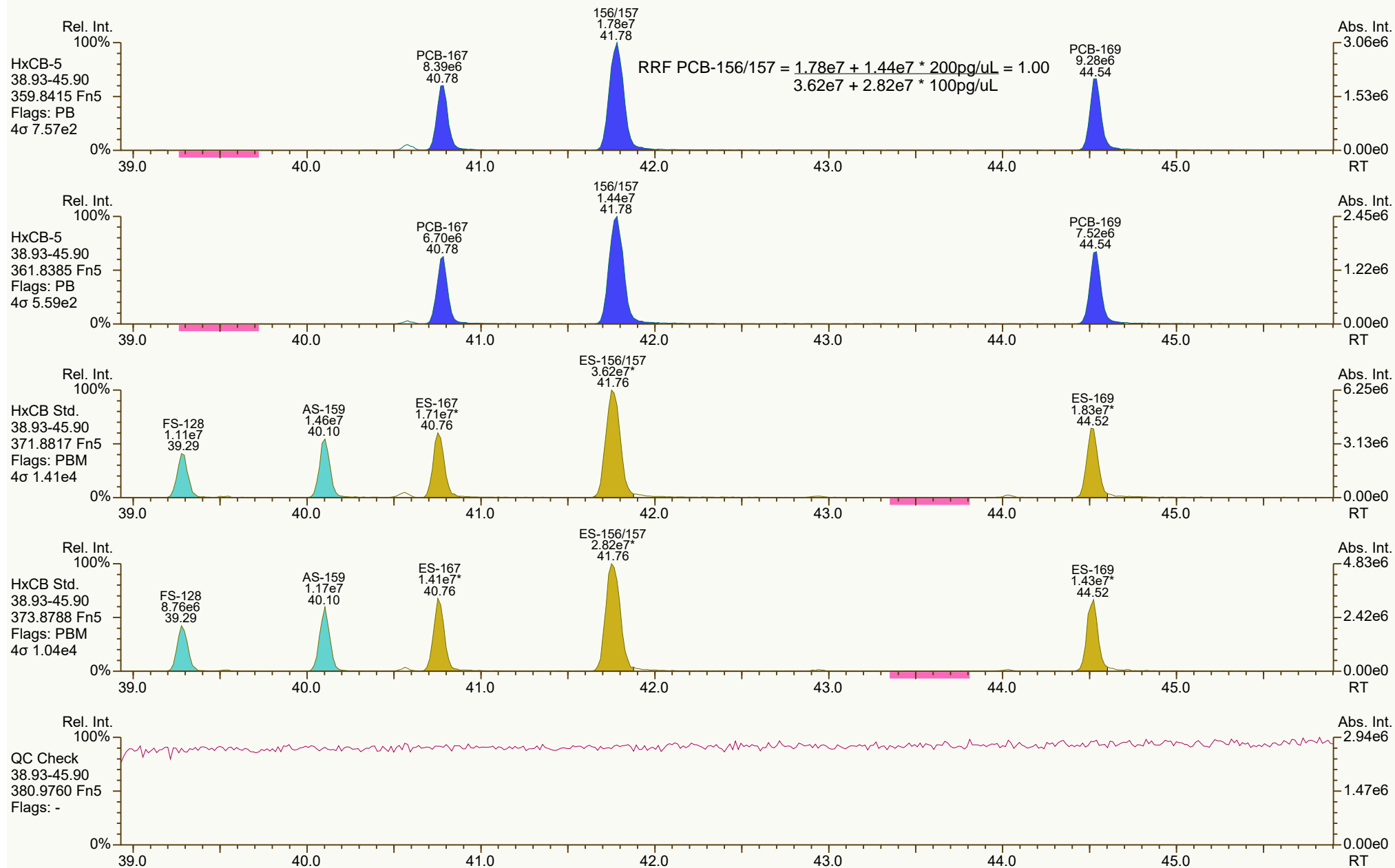
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3322, 1183 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:14 Page 13 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



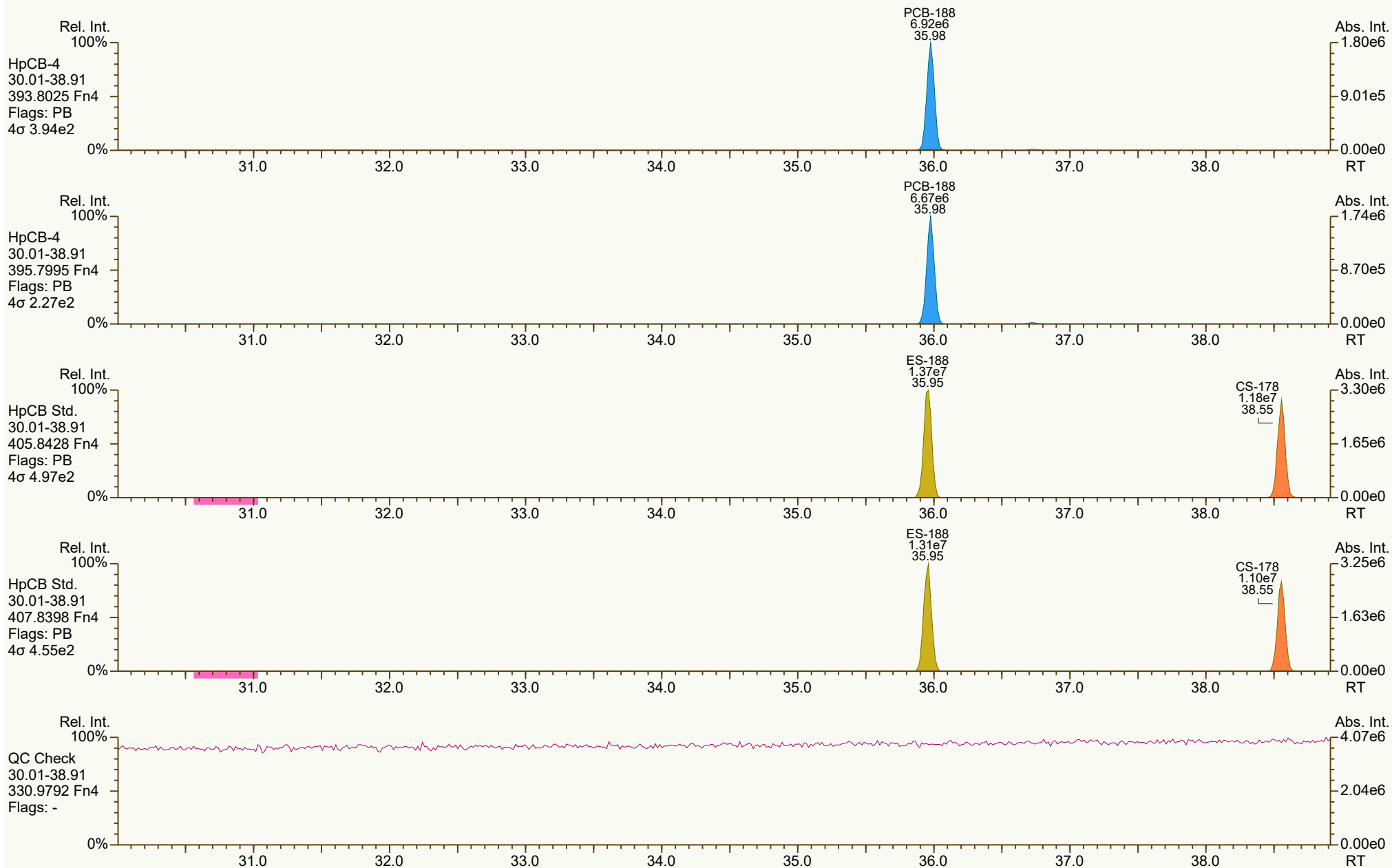
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2994, 3569 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 10:22 Printed: 08-May-2024 11:14 Page 14 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6718, 6520 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 15 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



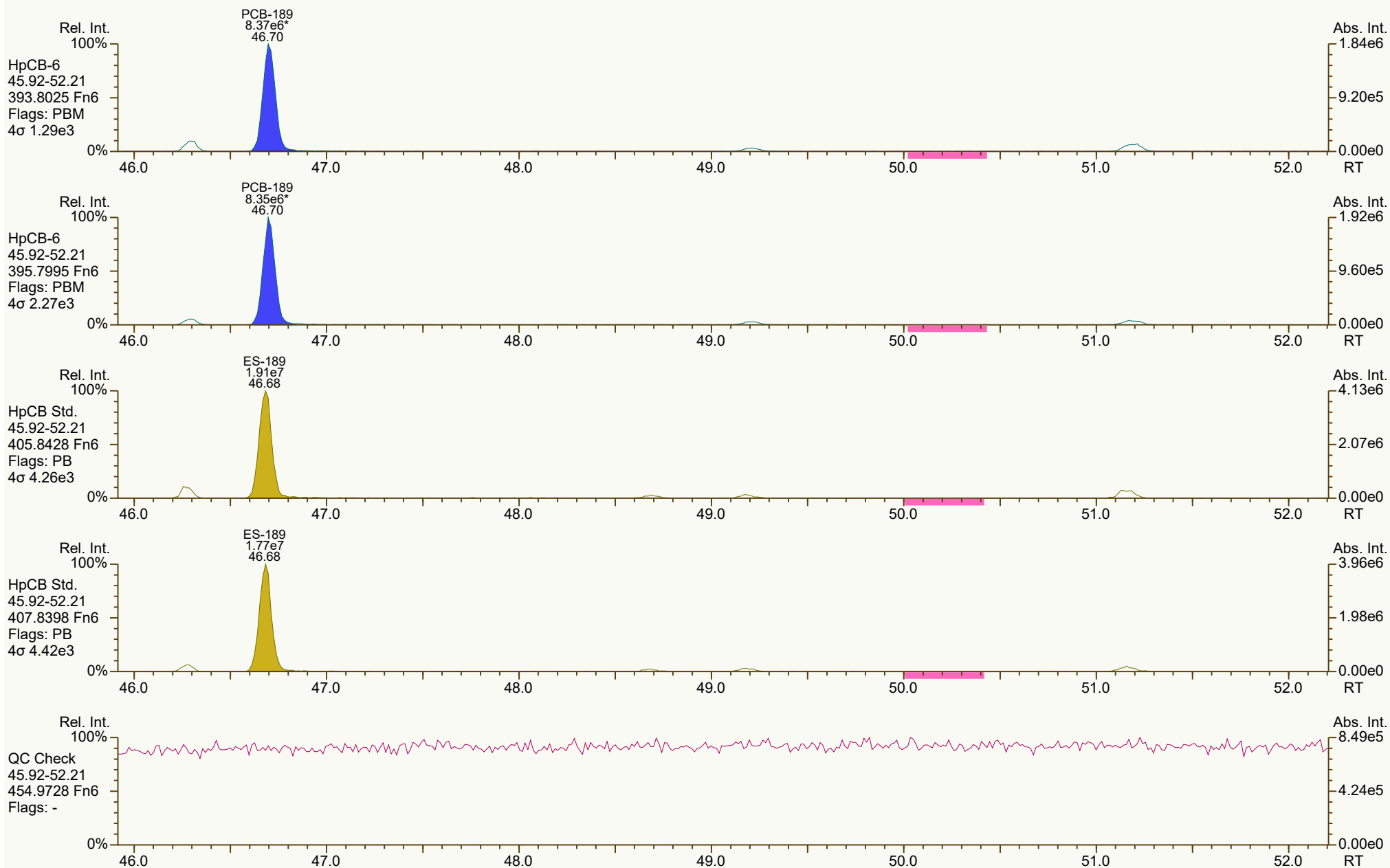
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8640, 6133 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 16 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

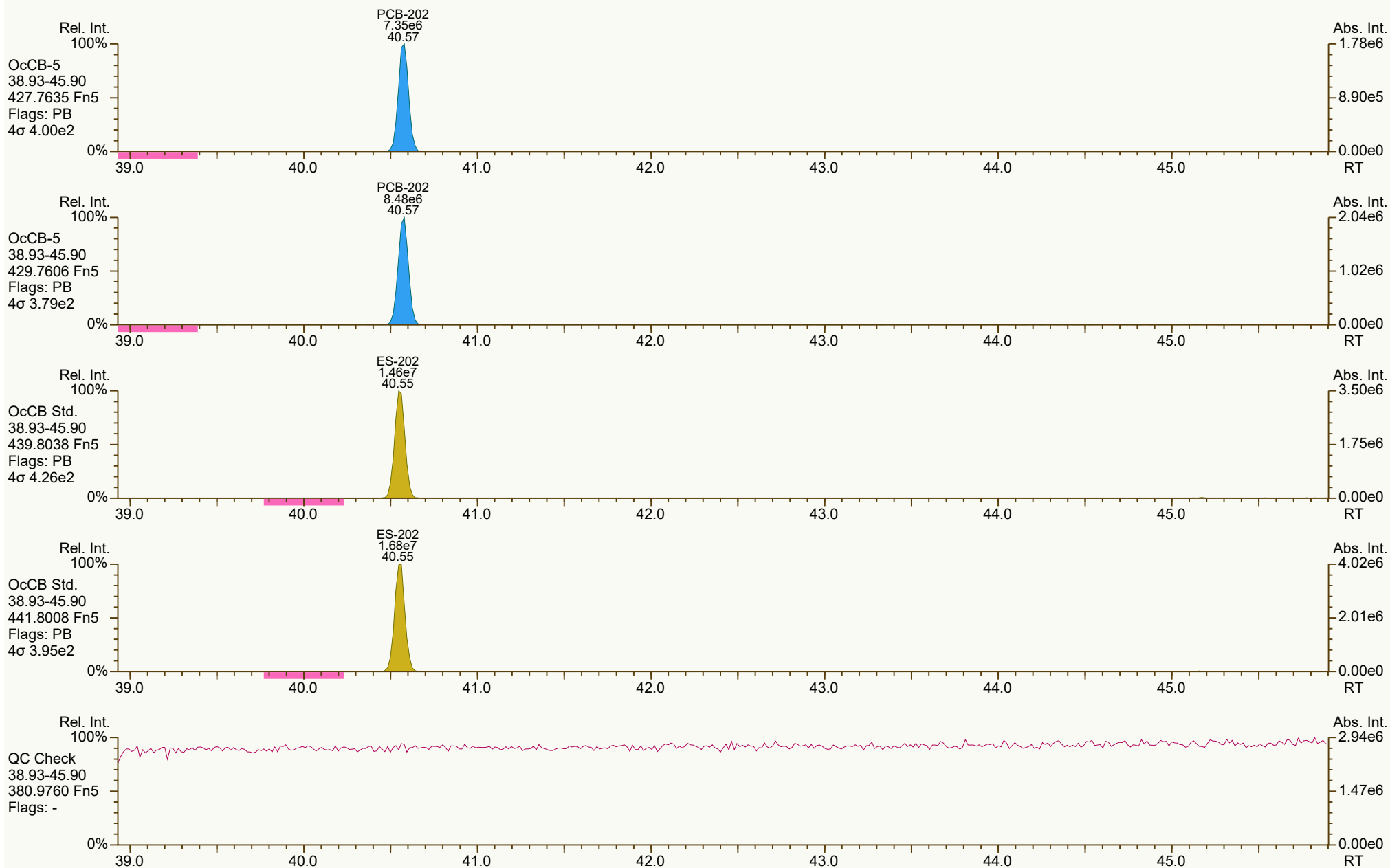
Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



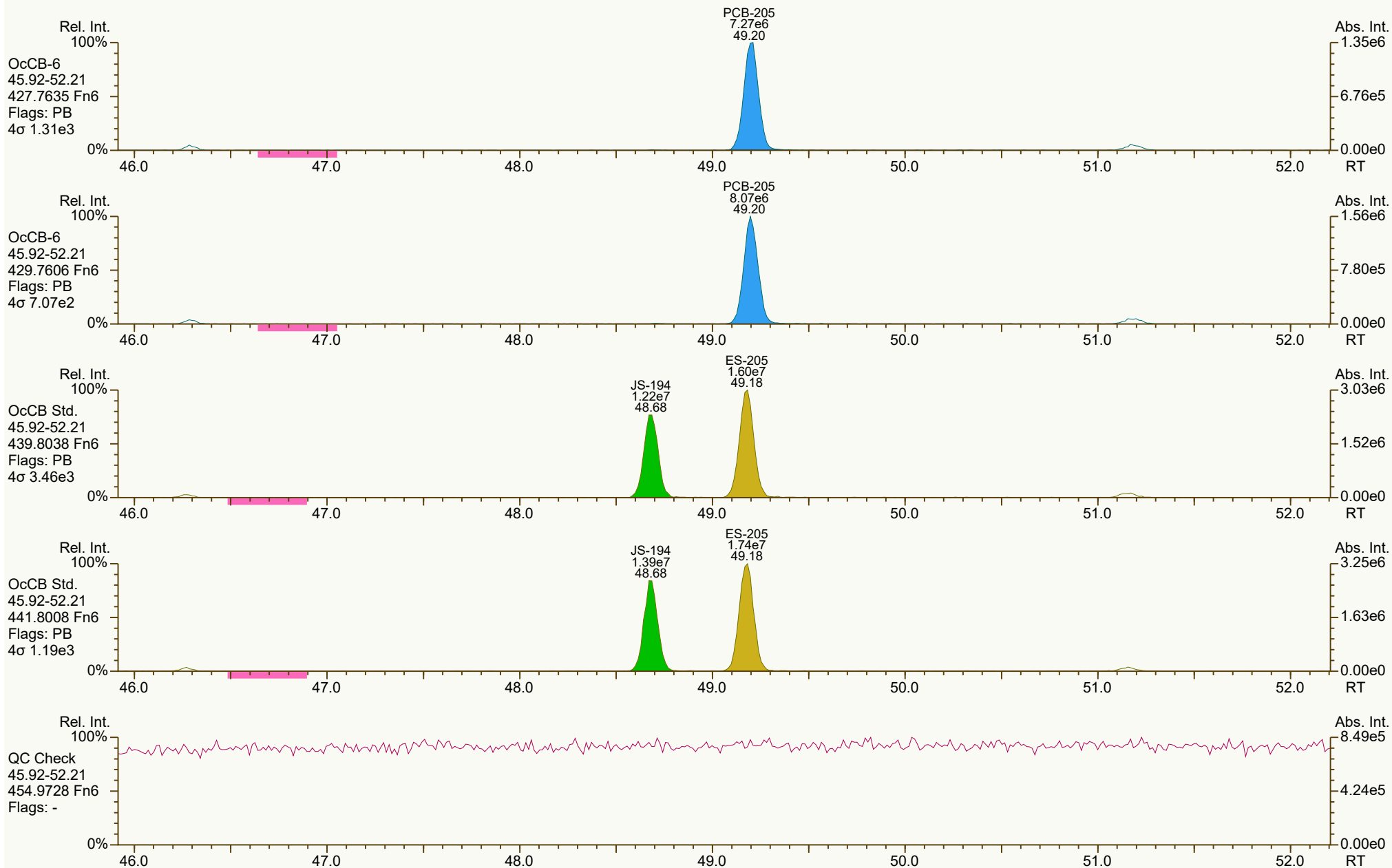
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.utp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6748, 7212 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 18 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

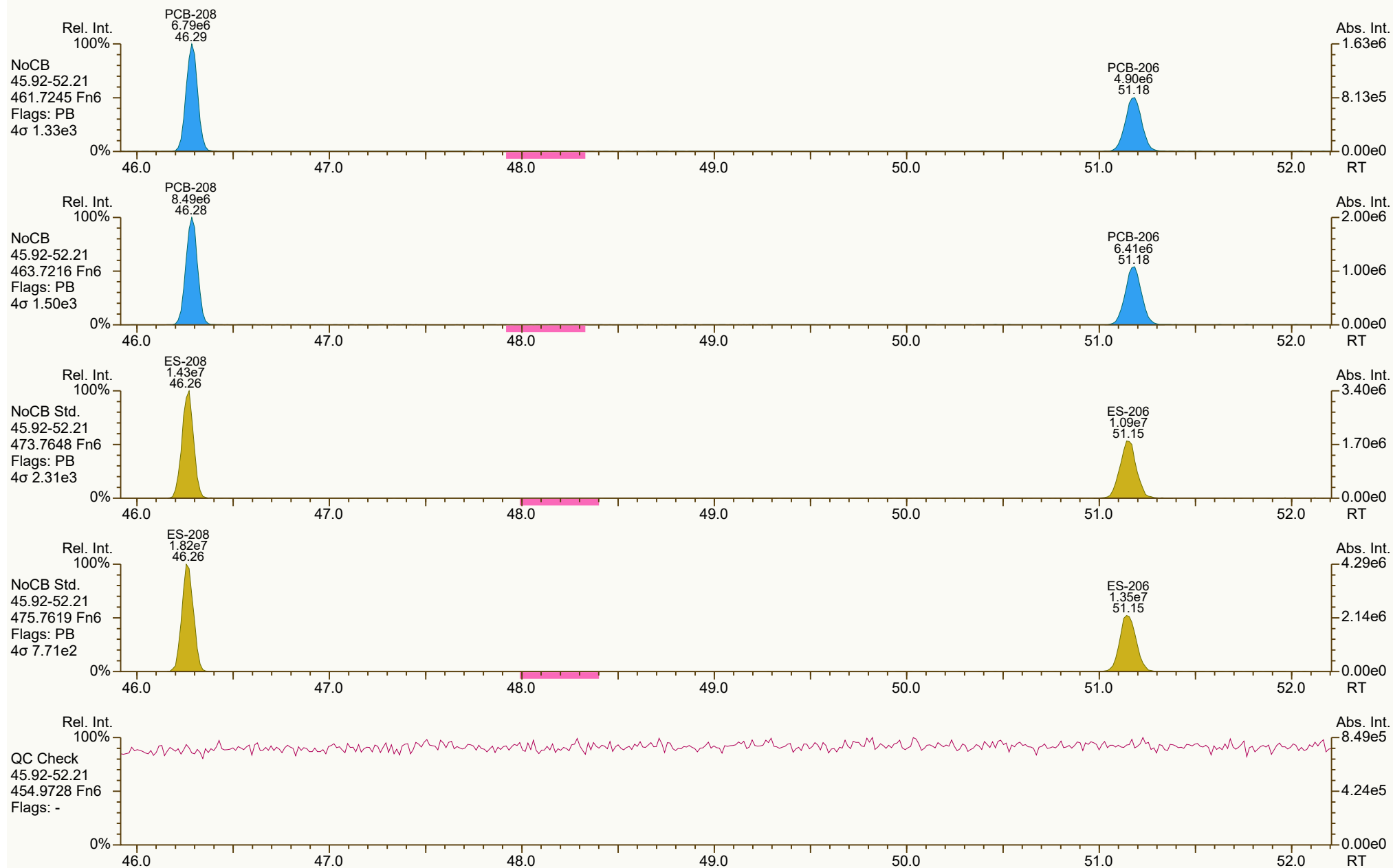
Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



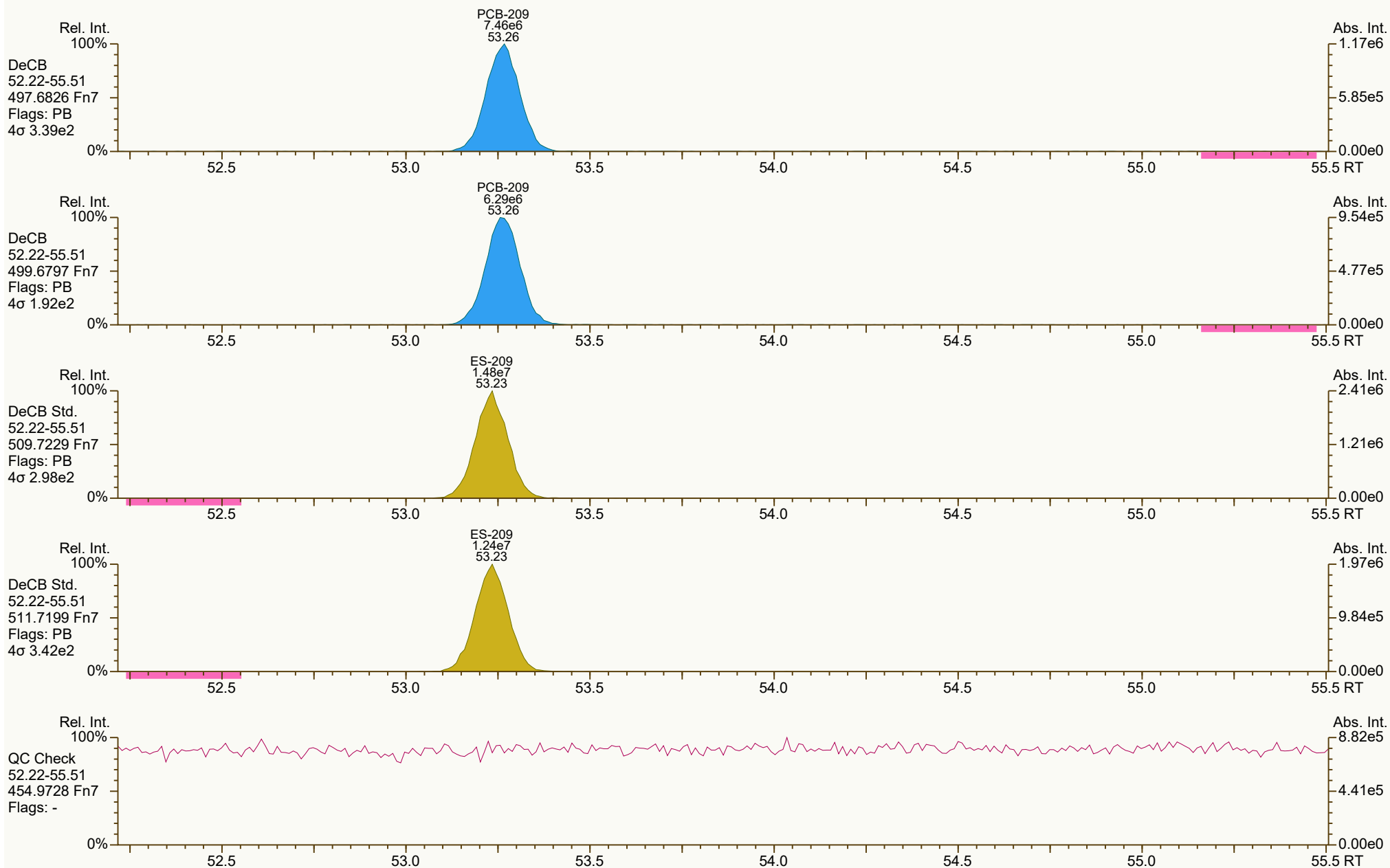
Results: T:\TopSheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.udp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0801, 6970 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 20 of 21

SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

Acq: 03-May-2024 17:23:10
User: PSW Datafile: 240503B12



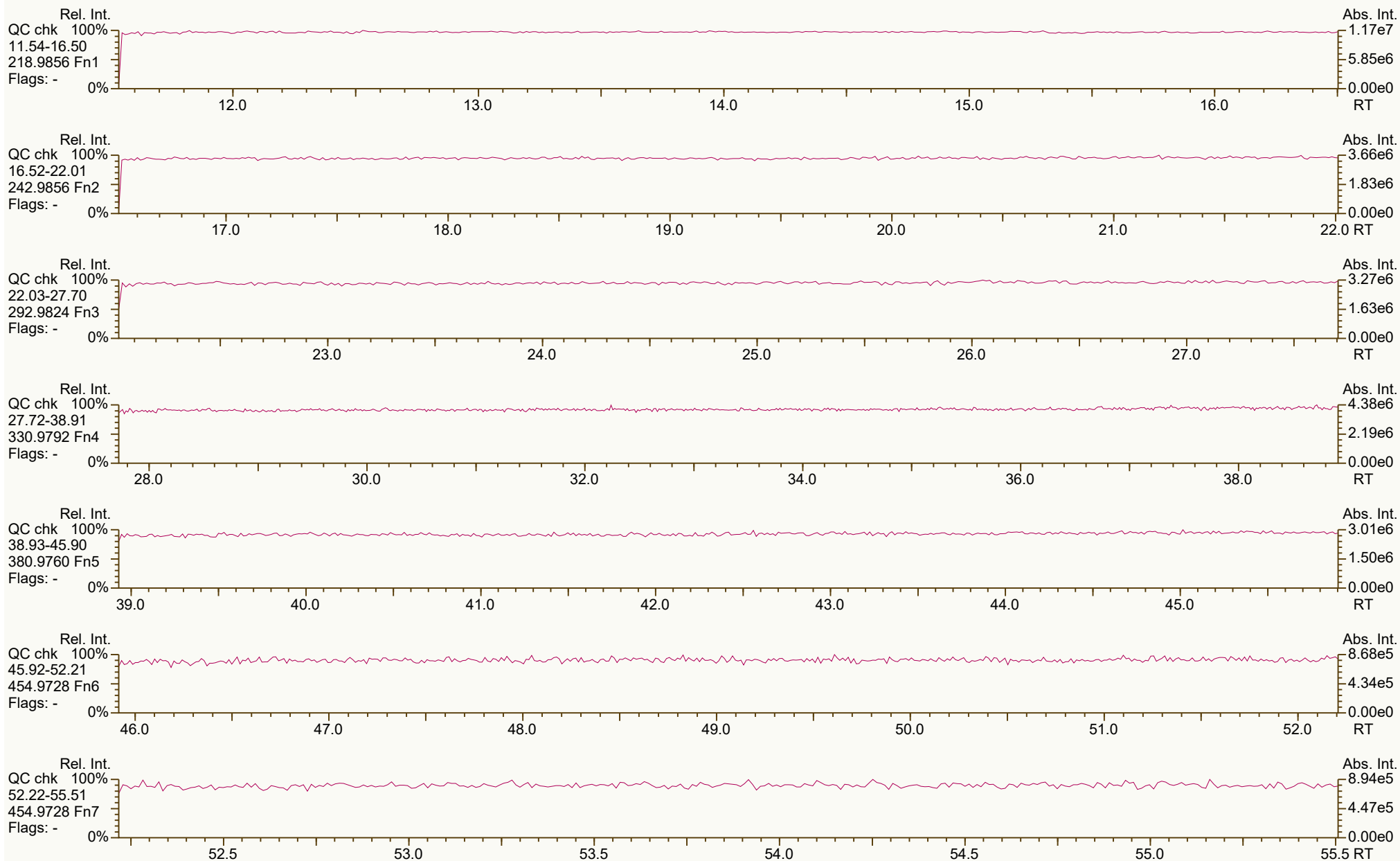
Results: T:\Topsheets temp\paul_walton\HRMS2\050324\CS3_240503_PCB_BB.udp_res, saved 08-May-2024 11:09 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7913, 6436 scc: 558-687

Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 21 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 002-863

Peak annotation: Areas, Centroids
PKD: n/a Printed: 13-May-2024 11:33 Page 1 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2835, 0584 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:33 Page 2 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1264, 7530 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 3 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8064, 1543 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 4 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8059, 9563 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 5 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4320, 6900 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 6 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9588, 1347 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 7 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



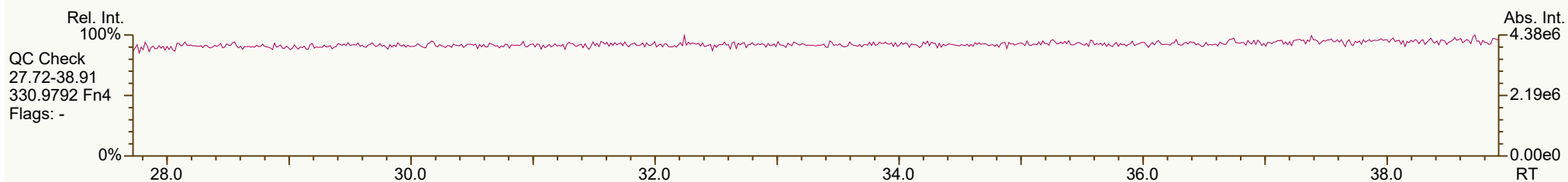
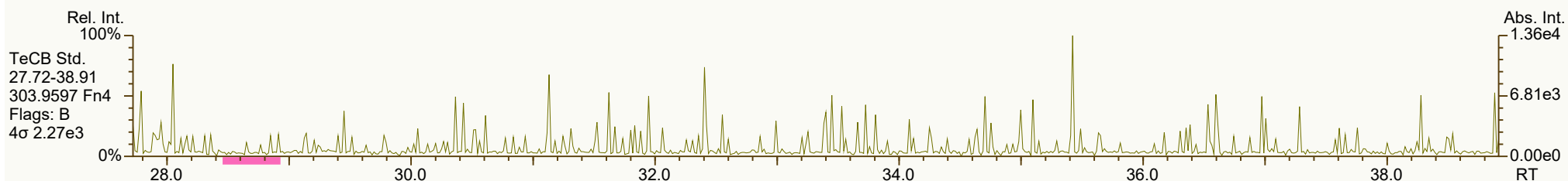
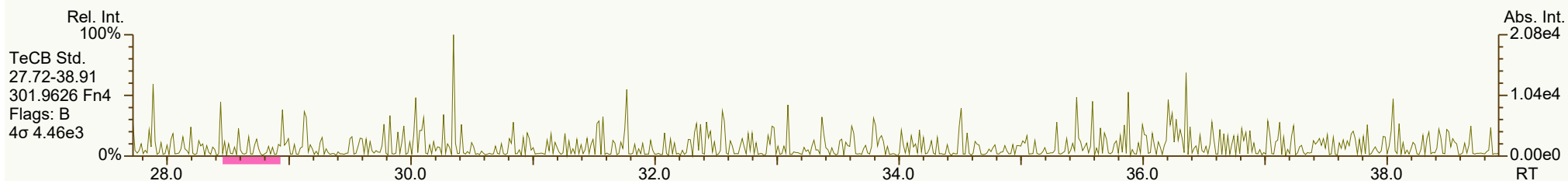
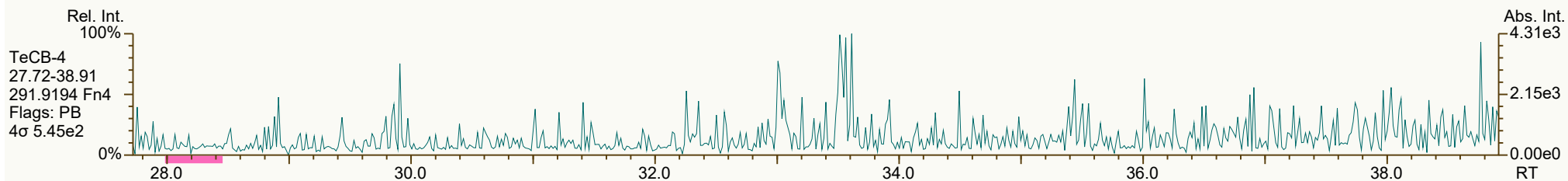
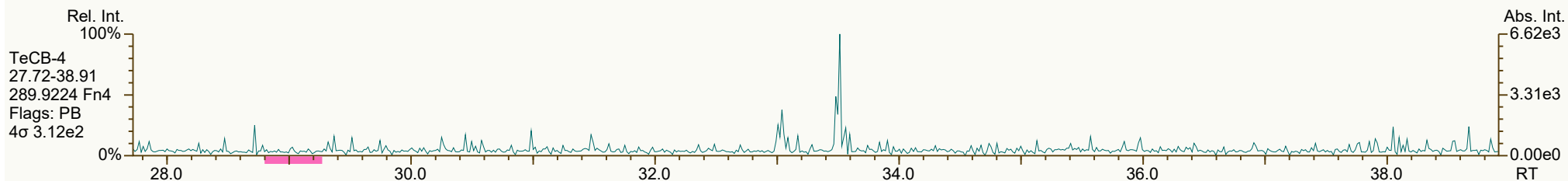
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6990, 9601 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 8 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1370, 1368 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 9 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3264, 3230 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 10 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0083, 6737 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 11 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1637, 0650 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 12 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3978, 9491 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 13 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



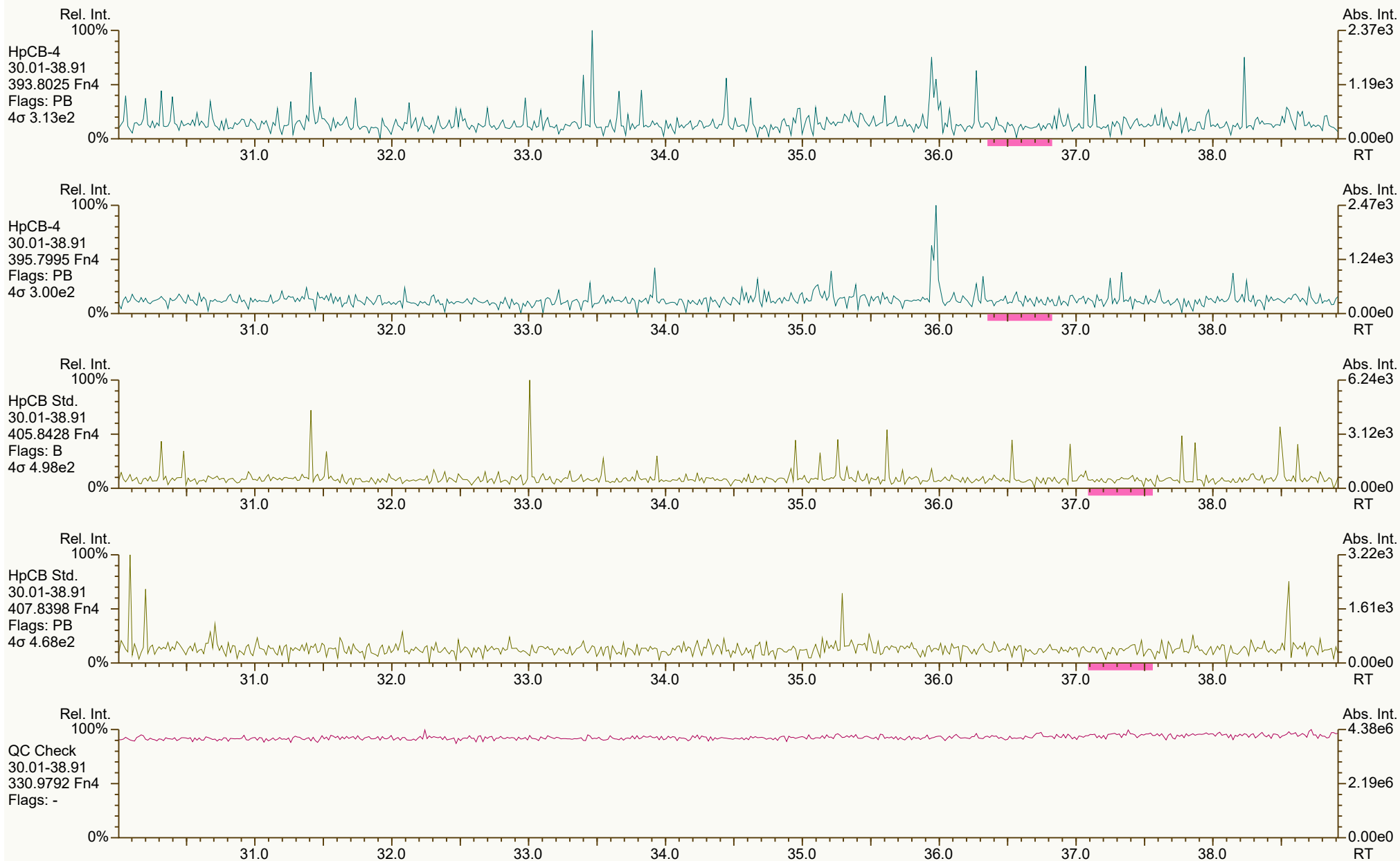
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4369, 7446 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 14 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7124, 9969 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 15 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2229, 2939 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 16 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4688, 4477 scc: 002-863

Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 17 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8234, 7550 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 18 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8159, 0615 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 19 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



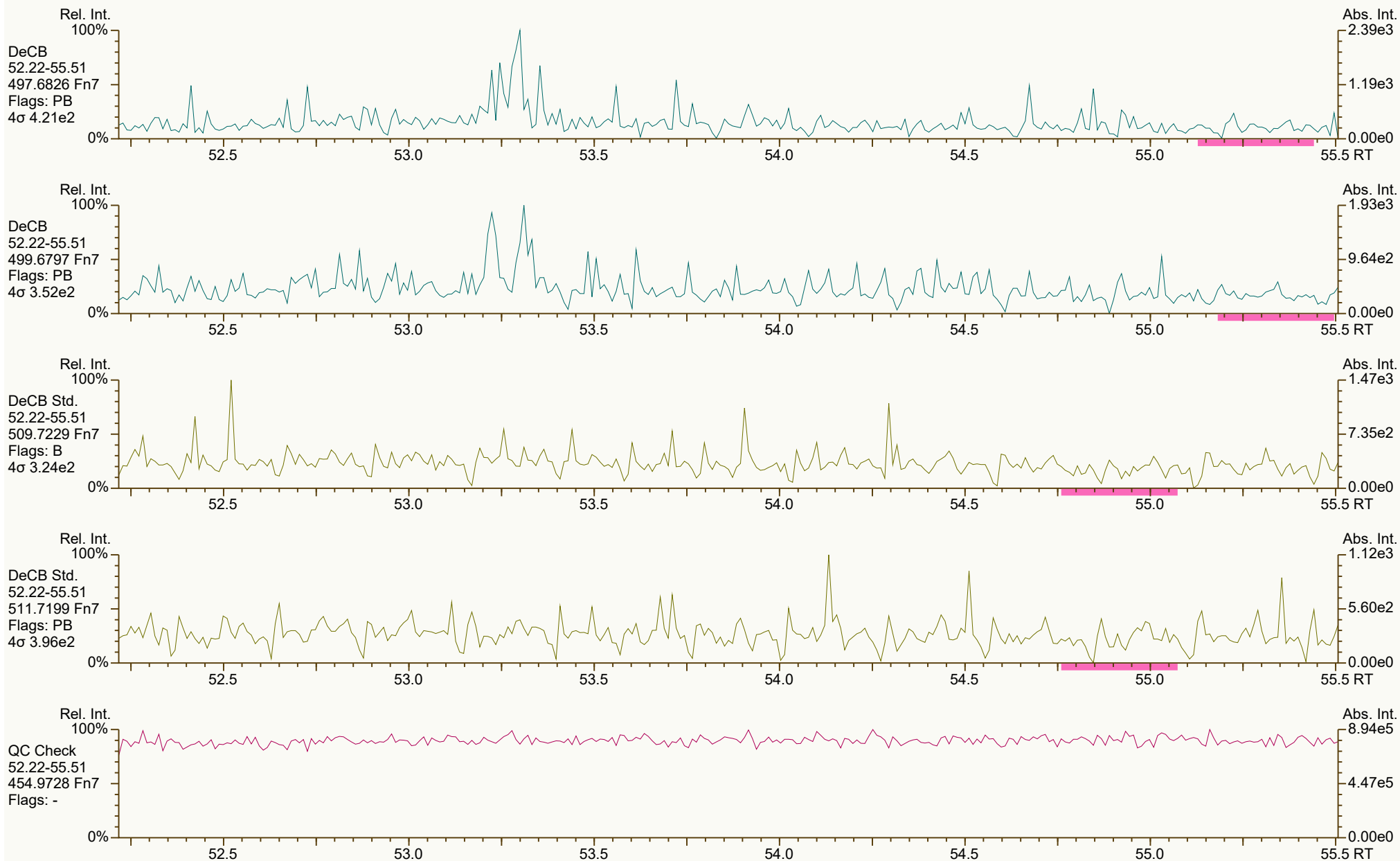
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3602, 3440 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 20 of 21

SGS ID: SB_240503_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Distilled Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 16:24:34
User: PSW Datafile: 240503B11



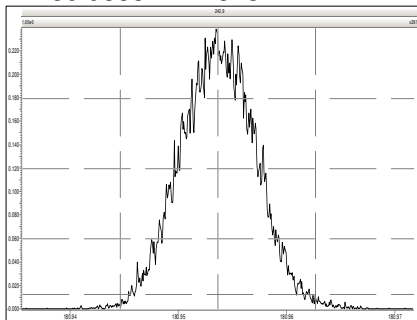
Results: T:\UltraTracePro\ICAL_results\HRMS2\HRMS2_PCB_03MAY2024\Resources\ICV\SB_240503_PCB_BD.utp_res, saved 13-May-2024 11:33 (RAB)
SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5206, 5023 scc: 002-863

Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 21 of 21

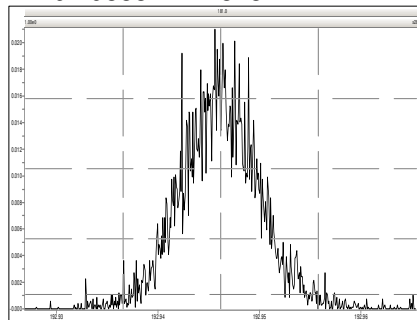
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 03, 2024 07:32:37 Pacific Daylight Time

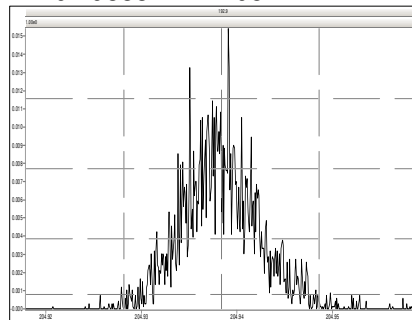
M 180.9888 R 11573



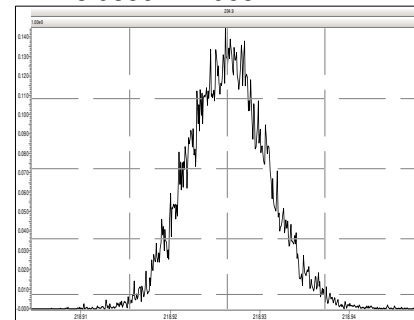
M 192.9888 R 11848



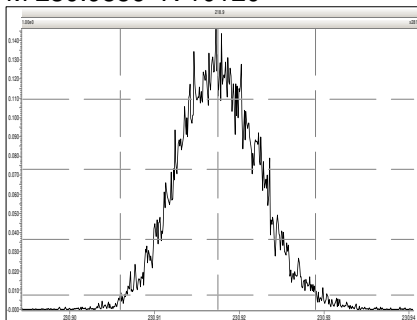
M 204.9888 R 14205



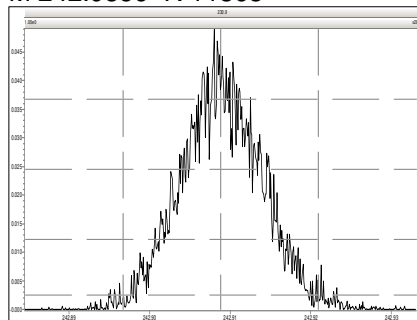
M 218.9856 R 10681



M 230.9856 R 10120



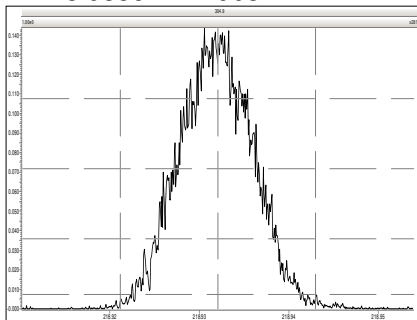
M 242.9856 R 11363



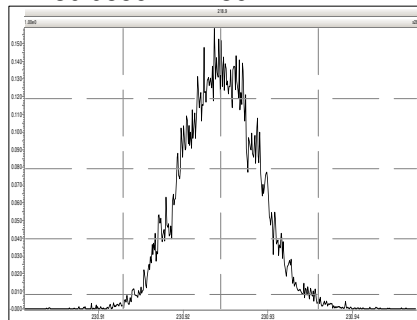
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 03, 2024 07:32:50 Pacific Daylight Time

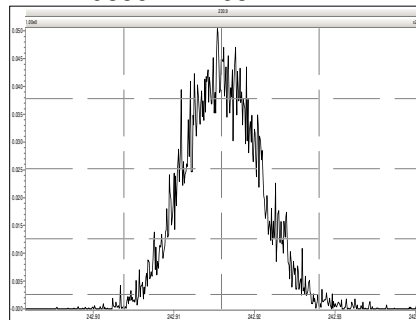
M 218.9856 R 11903



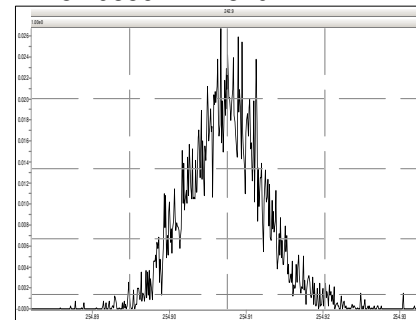
M 230.9856 R 11362



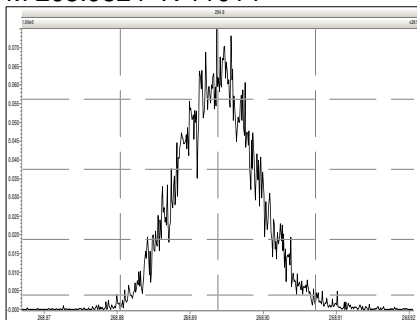
M 242.9856 R 11682



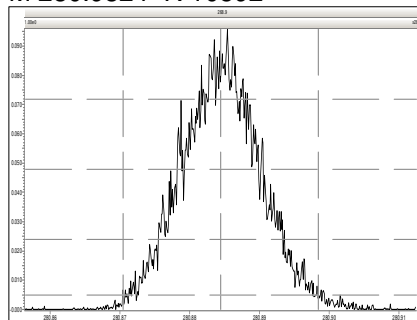
M 254.9856 R 12820



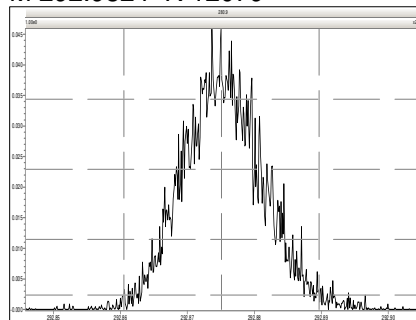
M 268.9824 R 11014



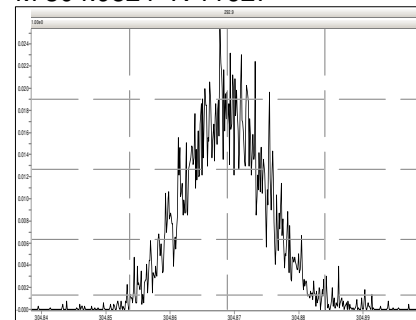
M 280.9824 R 10592



M 292.9824 R 12079



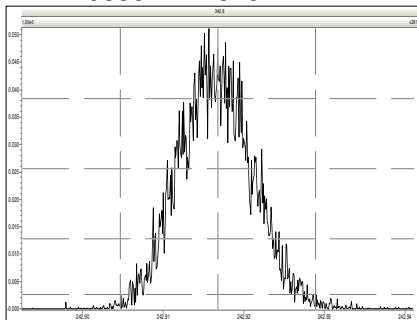
M 304.9824 R 11627



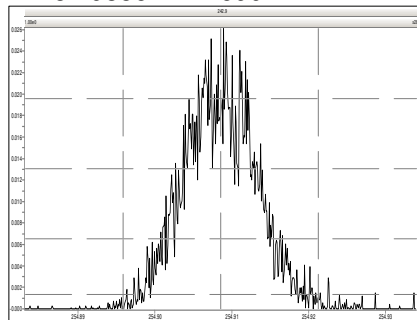
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 03, 2024 07:33:06 Pacific Daylight Time

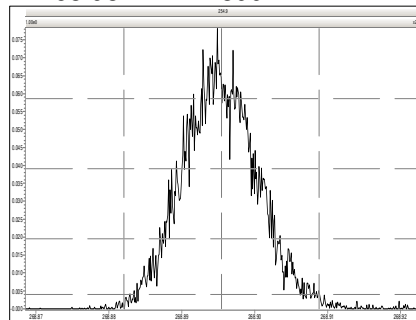
M 242.9856 R 12376



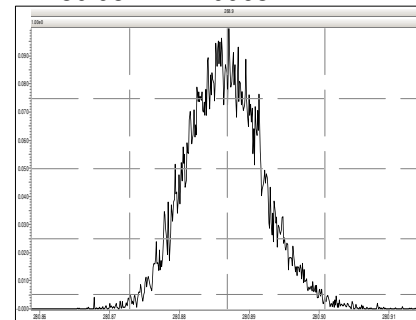
M 254.9856 R 12690



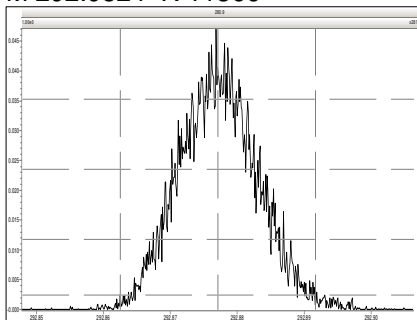
M 268.9824 R 11899



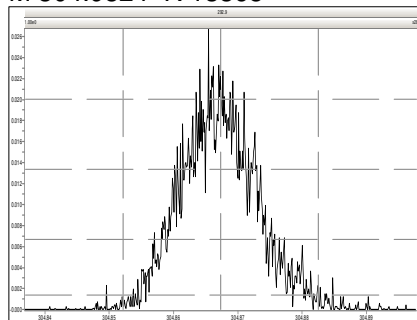
M 280.9824 R 10963



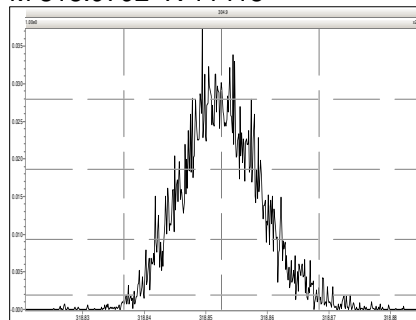
M 292.9824 R 11366



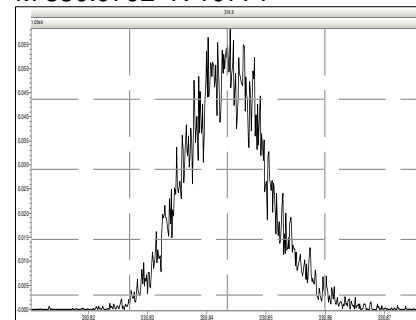
M 304.9824 R 13368



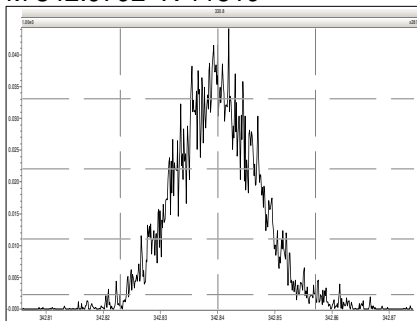
M 318.9792 R 11418



M 330.9792 R 10771



M 342.9792 R 11519



Experiment Calibration Report

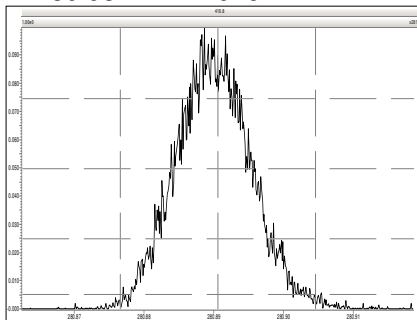
MassLynx 4.1 SCN815

Page 1 of 1

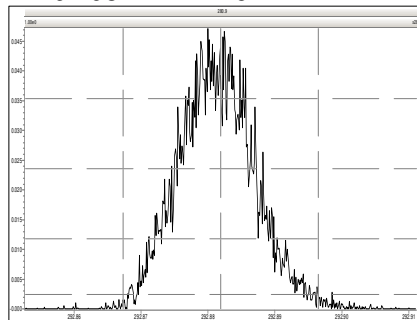
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 03, 2024 07:33:23 Pacific Daylight Time

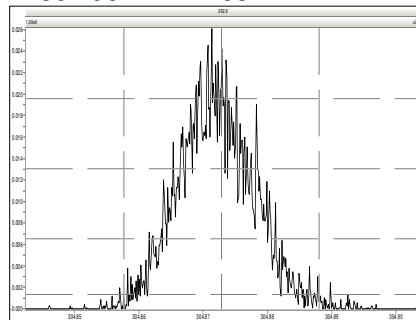
M 280.9824 R 12076



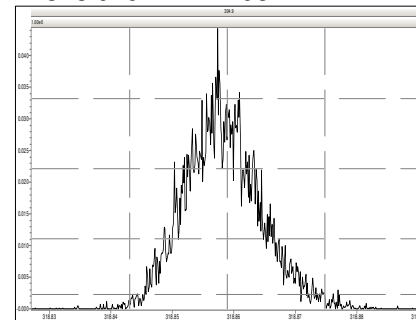
M 292.9824 R 11464



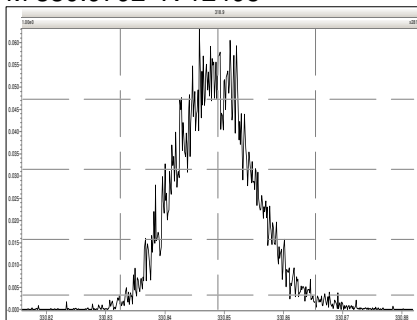
M 304.9824 R 11682



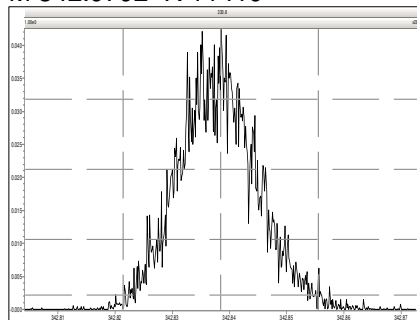
M 318.9792 R 12498



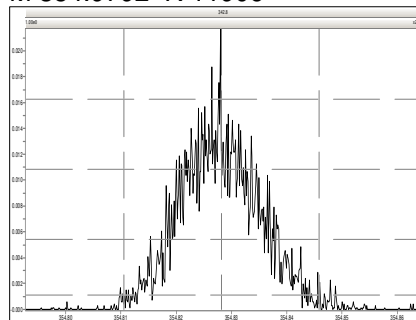
M 330.9792 R 12495



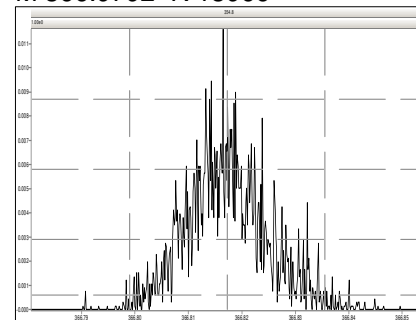
M 342.9792 R 11419



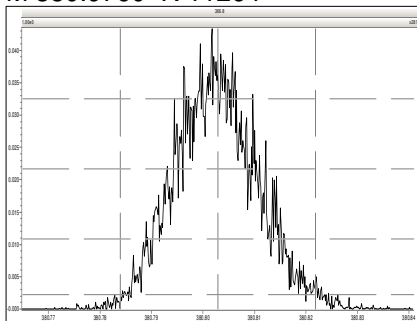
M 354.9792 R 11906



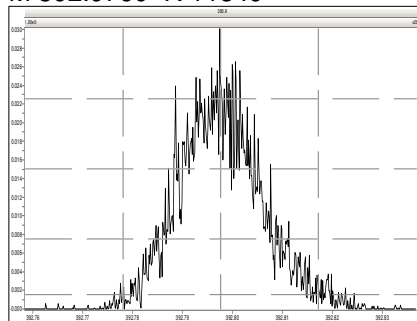
M 366.9792 R 13966



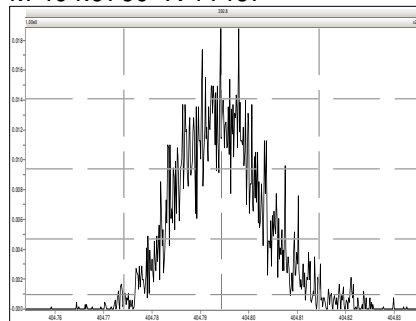
M 380.9760 R 11264



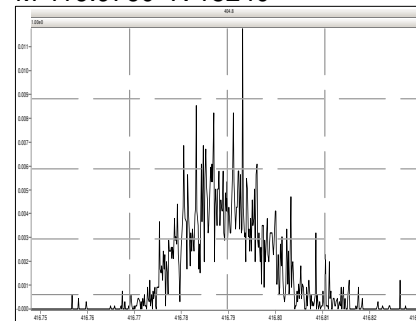
M 392.9760 R 11849



M 404.9760 R 11467



M 416.9760 R 15240



Experiment Calibration Report

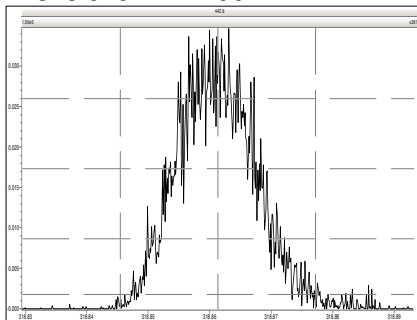
MassLynx 4.1 SCN815

Page 1 of 1

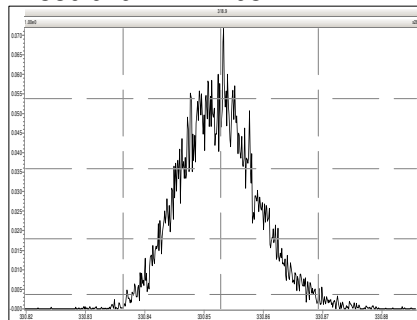
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 03, 2024 07:33:45 Pacific Daylight Time

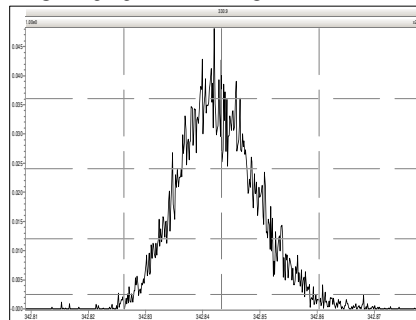
M 318.9792 R 11902



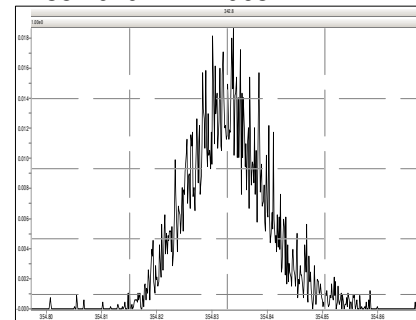
M 330.9792 R 11793



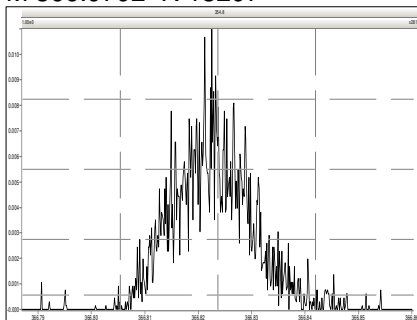
M 342.9792 R 11115



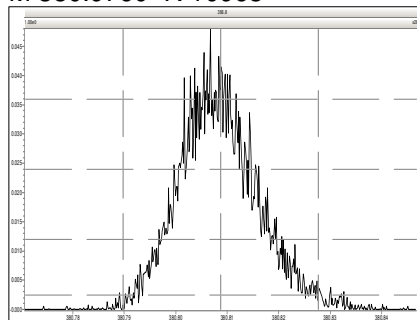
M 354.9792 R 11963



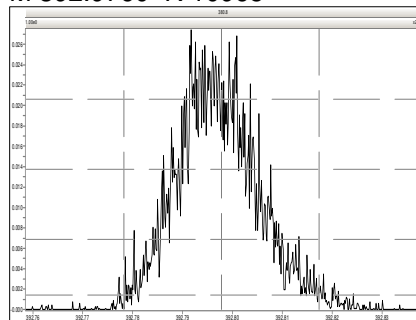
M 366.9792 R 13297



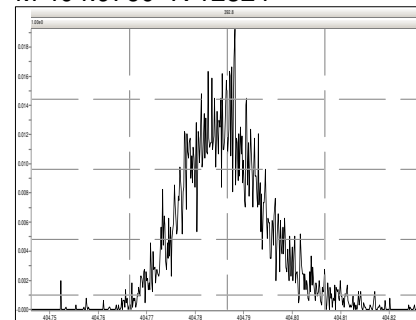
M 380.9760 R 10963



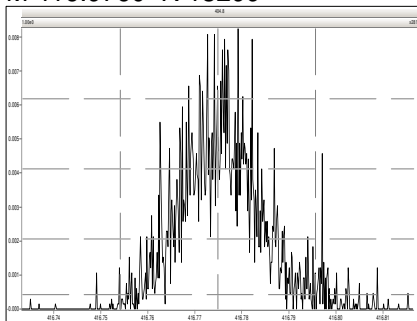
M 392.9760 R 10965



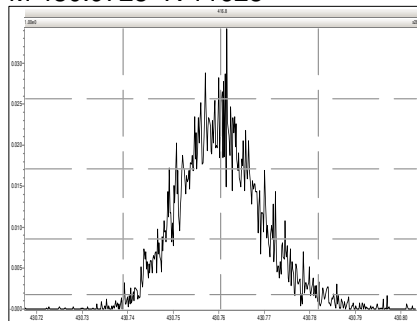
M 404.9760 R 12824



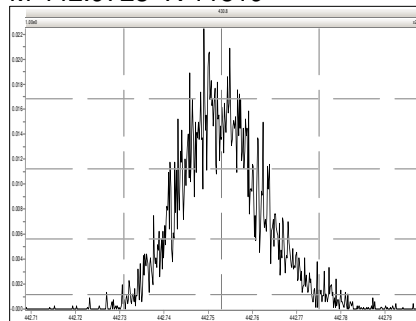
M 416.9760 R 13299



M 430.9728 R 11628



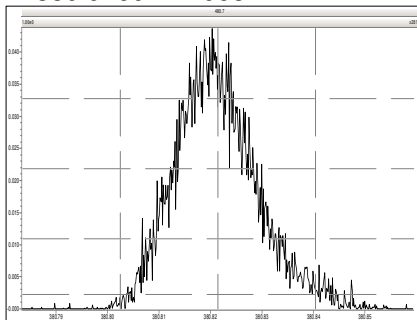
M 442.9728 R 11519



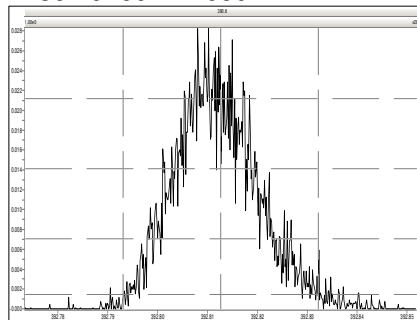
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 6 @ 200 (ppm)

Printed: Friday, May 03, 2024 07:34:03 Pacific Daylight Time

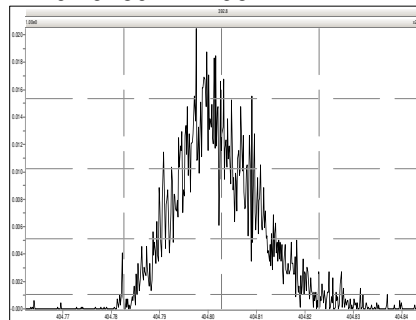
M 380.9760 R 10687



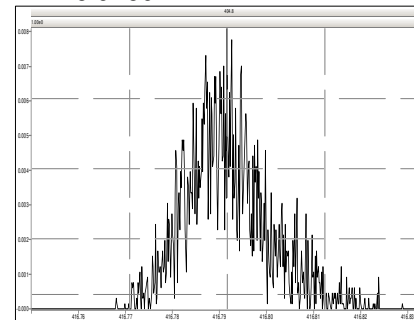
M 392.9760 R 10501



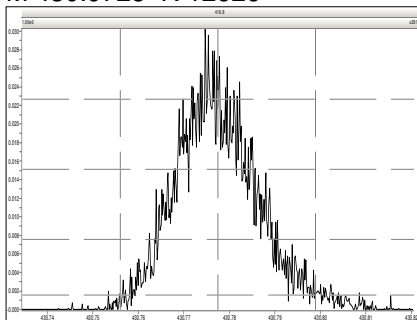
M 404.9760 R 11961



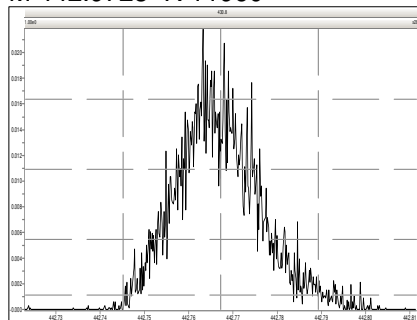
M 416.9760 R 17727



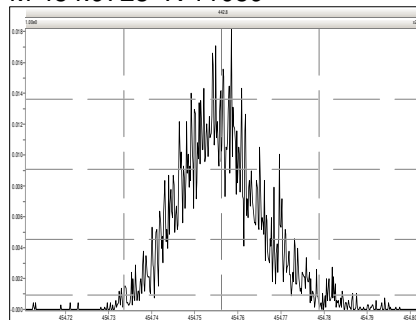
M 430.9728 R 12626



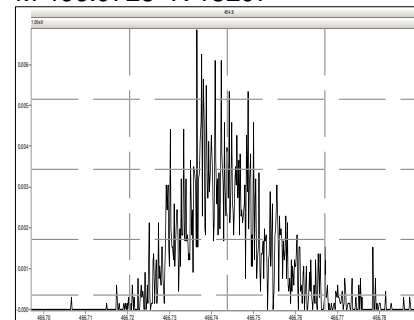
M 442.9728 R 11960



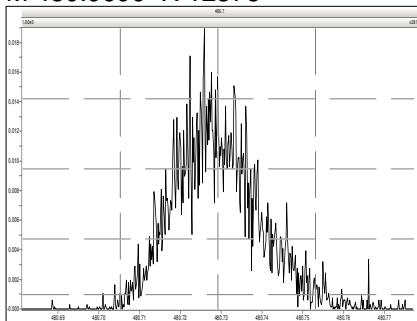
M 454.9728 R 11059



M 466.9728 R 13297



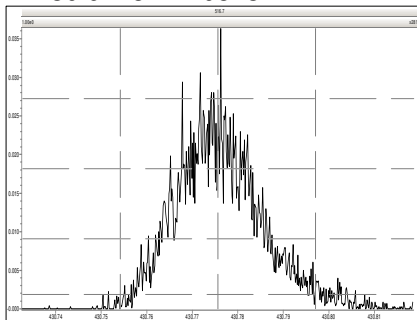
M 480.9696 R 12378



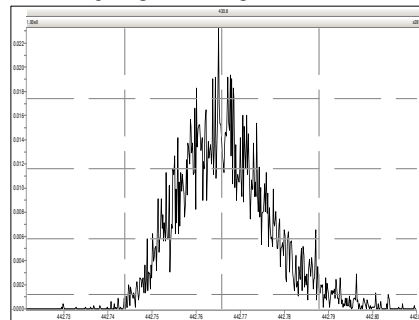
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 7 @ 200 (ppm)

Printed: Friday, May 03, 2024 07:34:20 Pacific Daylight Time

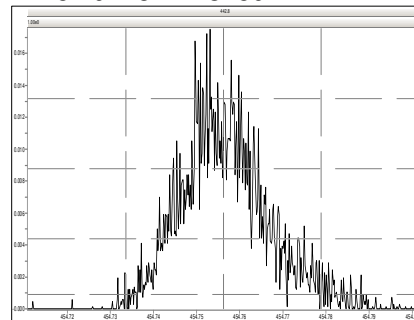
M 430.9728 R 10823



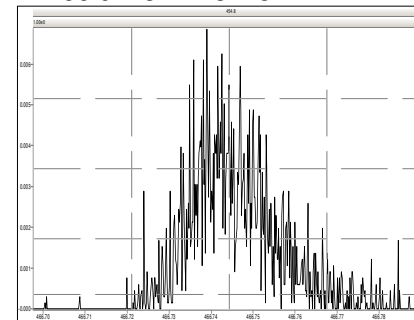
M 442.9728 R 12257



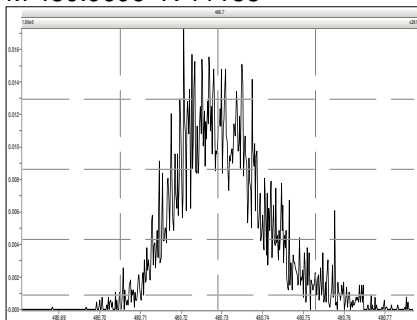
M 454.9728 R 13159



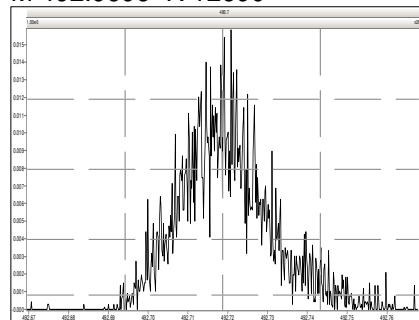
M 466.9728 R 18115



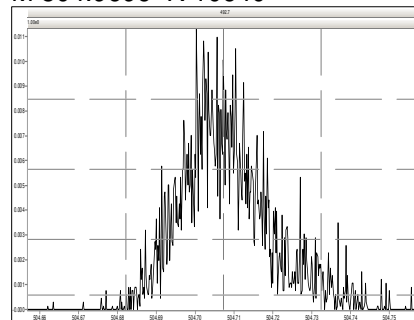
M 480.9696 R 11158



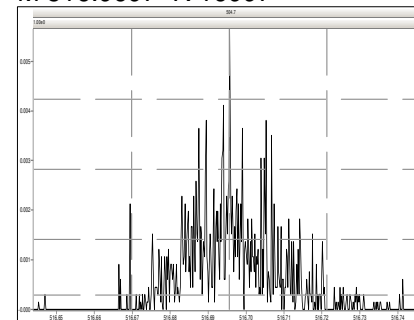
M 492.9696 R 12690



M 504.9696 R 10640



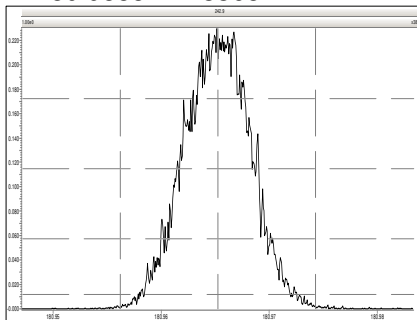
M 516.9697 R 16997



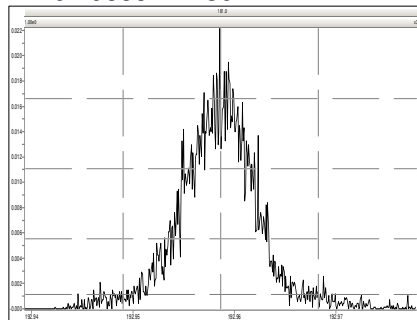
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:20:15 Pacific Daylight Time

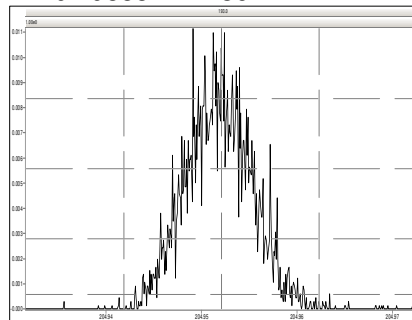
M 180.9888 R 13368



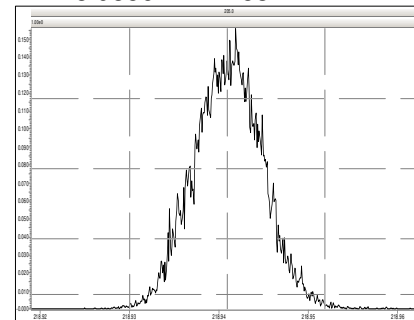
M 192.9888 R 13021



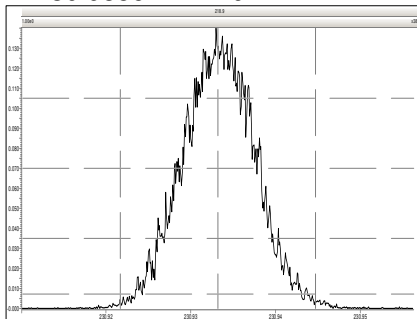
M 204.9888 R 14364



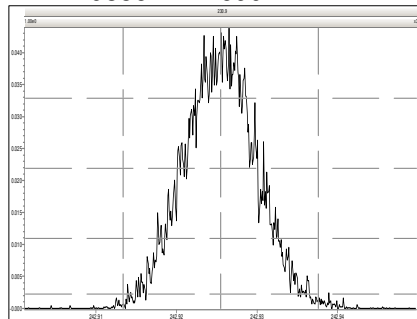
M 218.9856 R 12253



M 230.9856 R 11792



M 242.9856 R 12690



Experiment Calibration Report

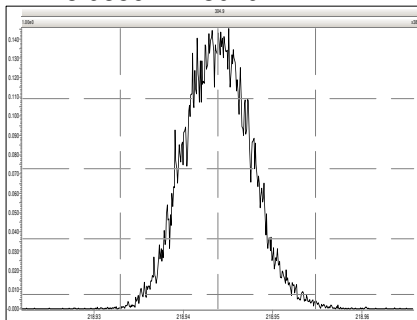
MassLynx 4.1 SCN815

Page 1 of 1

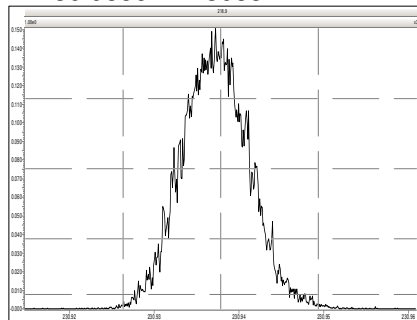
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:20:35 Pacific Daylight Time

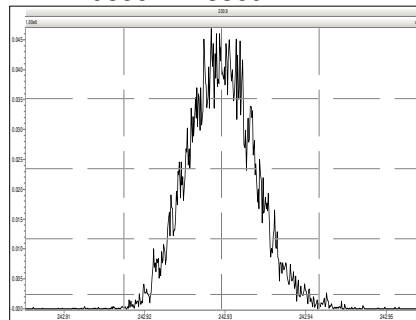
M 218.9856 R 13019



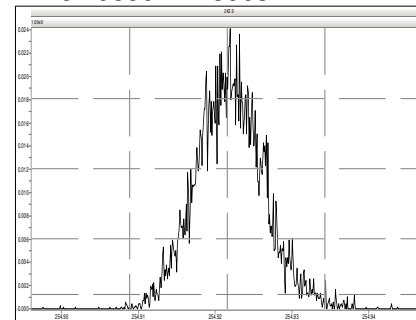
M 230.9856 R 13088



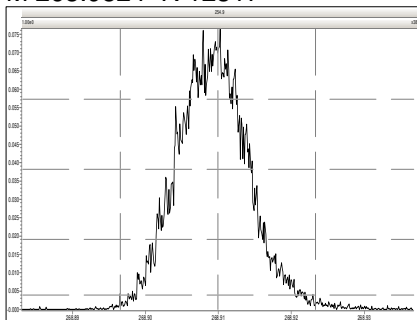
M 242.9856 R 13369



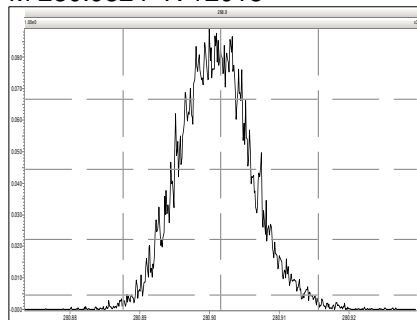
M 254.9856 R 13963



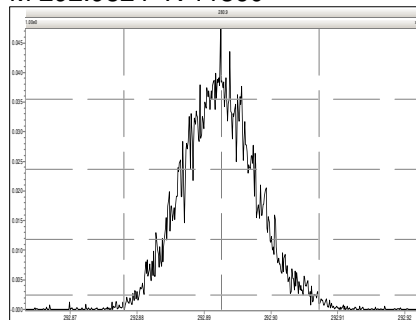
M 268.9824 R 12317



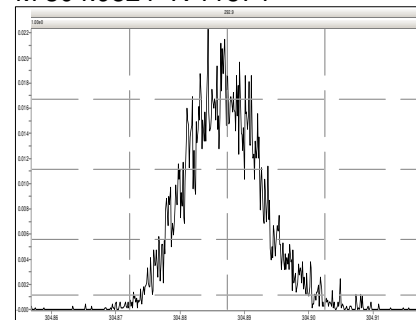
M 280.9824 R 12018



M 292.9824 R 11360



M 304.9824 R 11574



Experiment Calibration Report

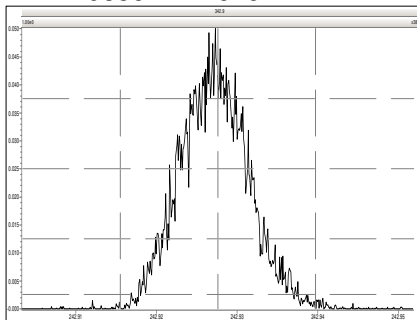
MassLynx 4.1 SCN815

Page 1 of 1

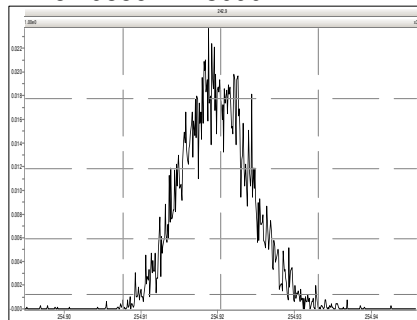
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:20:58 Pacific Daylight Time

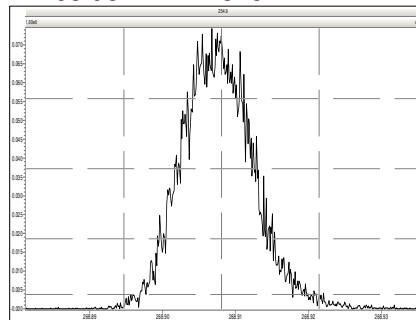
M 242.9856 R 12626



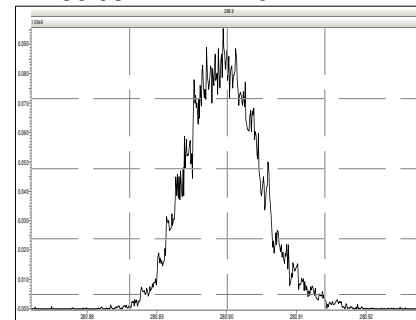
M 254.9856 R 13090



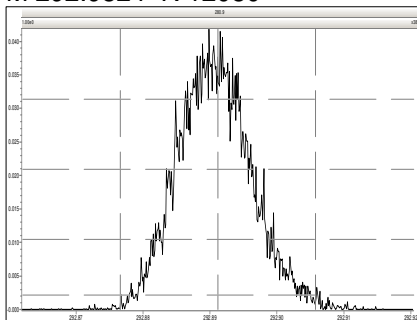
M 268.9824 R 12815



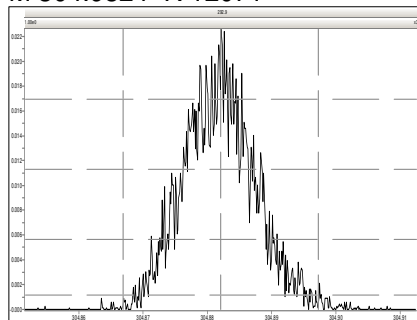
M 280.9824 R 11110



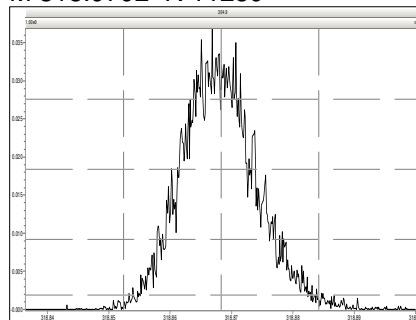
M 292.9824 R 12080



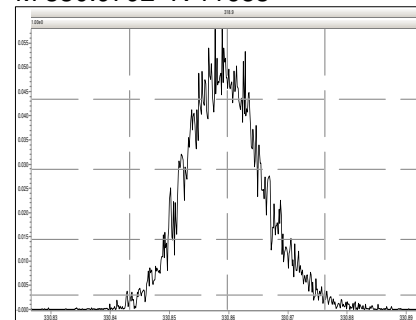
M 304.9824 R 12071



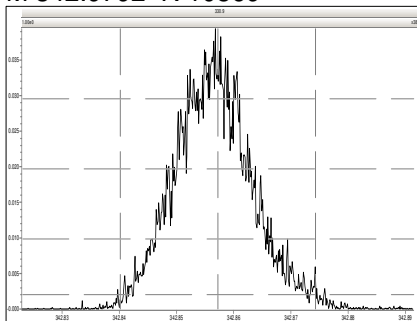
M 318.9792 R 11259



M 330.9792 R 11683



M 342.9792 R 10869



Experiment Calibration Report

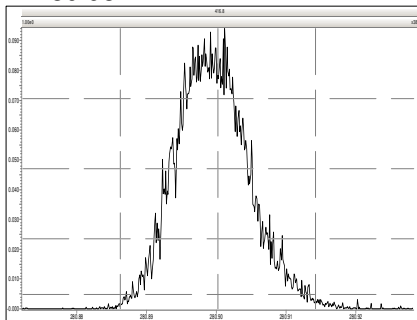
MassLynx 4.1 SCN815

Page 1 of 1

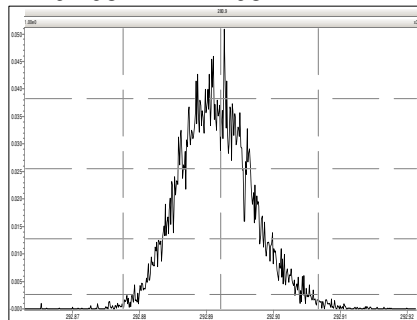
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:21:28 Pacific Daylight Time

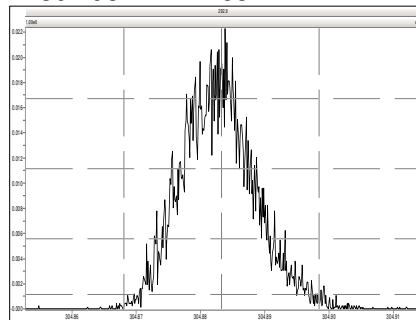
M 280.9824 R 11414



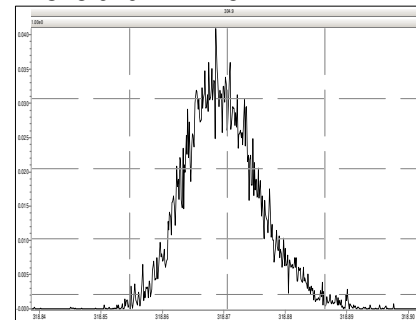
M 292.9824 R 12198



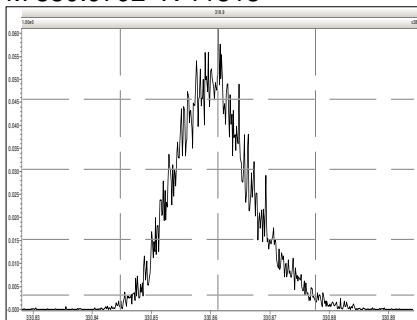
M 304.9824 R 11682



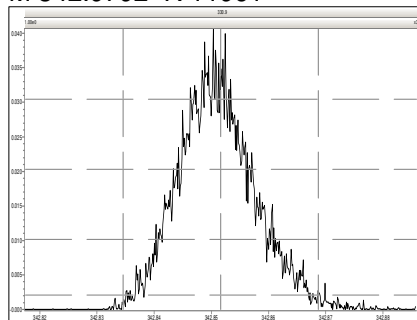
M 318.9792 R 11572



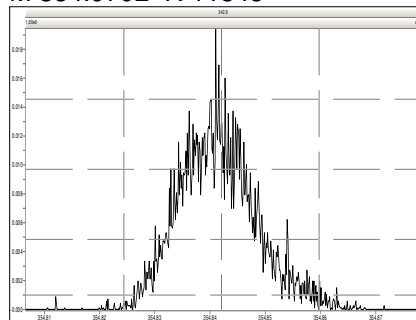
M 330.9792 R 11313



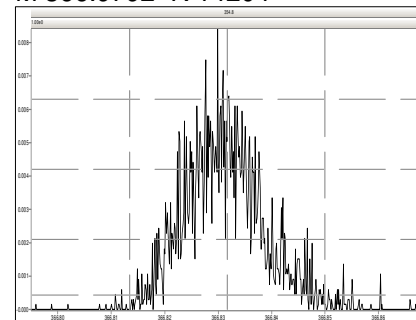
M 342.9792 R 11961



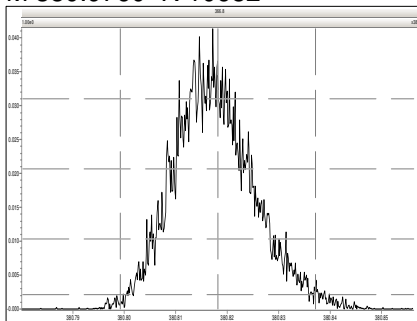
M 354.9792 R 11845



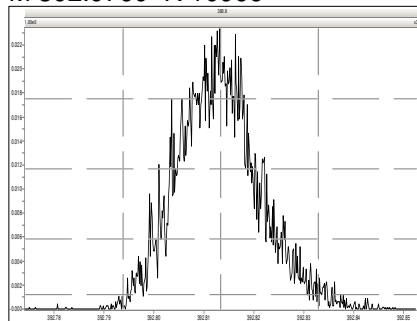
M 366.9792 R 14204



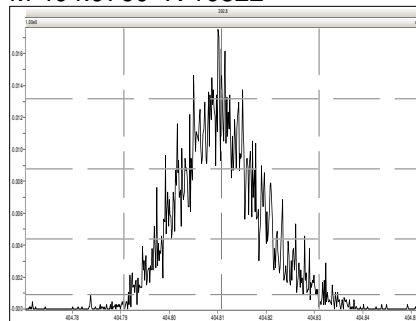
M 380.9760 R 10682



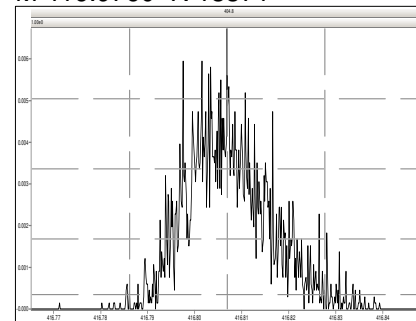
M 392.9760 R 10966



M 404.9760 R 10822



M 416.9760 R 13371



Experiment Calibration Report

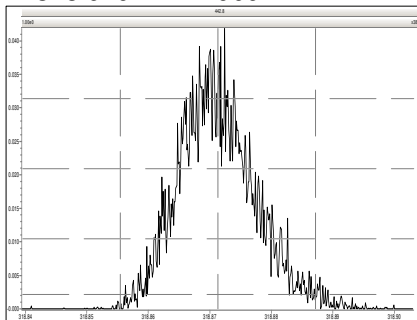
MassLynx 4.1 SCN815

Page 1 of 1

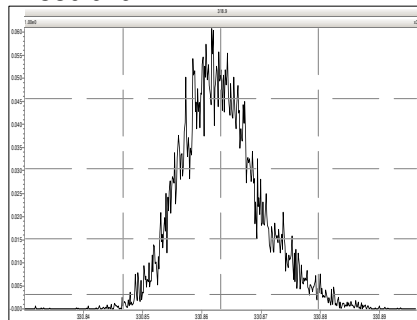
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:21:53 Pacific Daylight Time

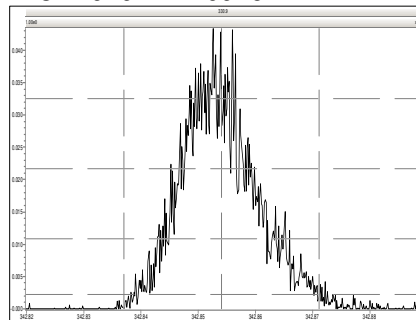
M 318.9792 R 11909



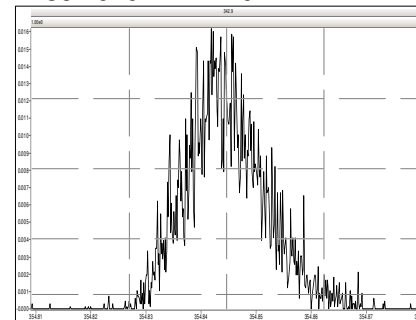
M 330.9792 R 11212



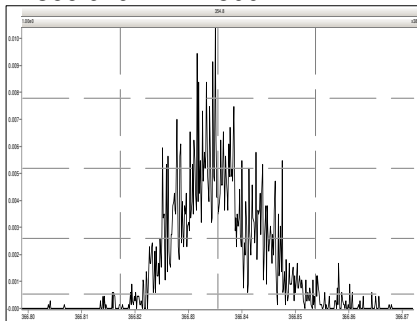
M 342.9792 R 10916



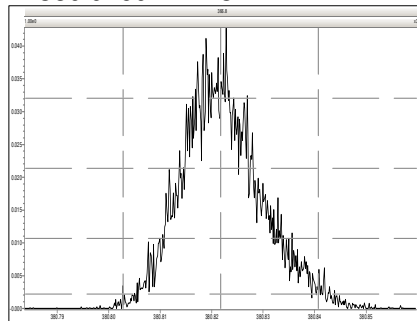
M 354.9792 R 12197



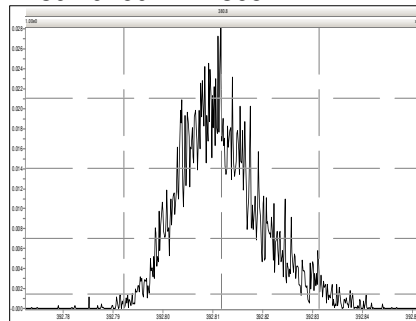
M 366.9792 R 12500



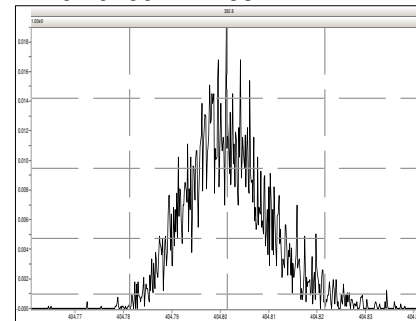
M 380.9760 R 11311



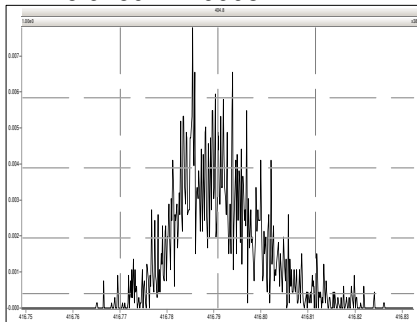
M 392.9760 R 11365



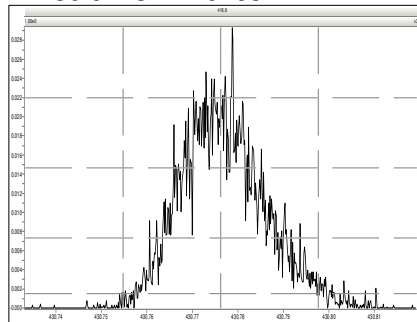
M 404.9760 R 11681



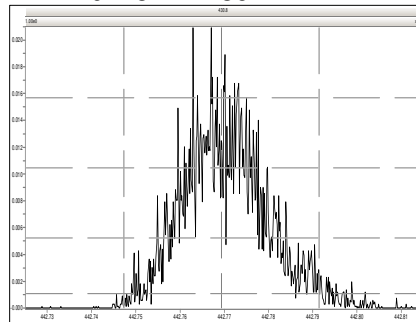
M 416.9760 R 19995



M 430.9728 R 10163



M 442.9728 R 11362



Experiment Calibration Report

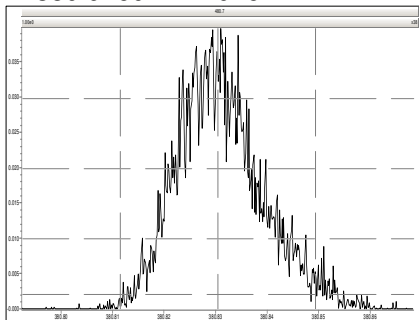
MassLynx 4.1 SCN815

Page 1 of 1

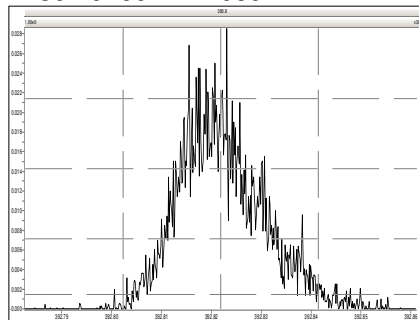
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 6 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:22:19 Pacific Daylight Time

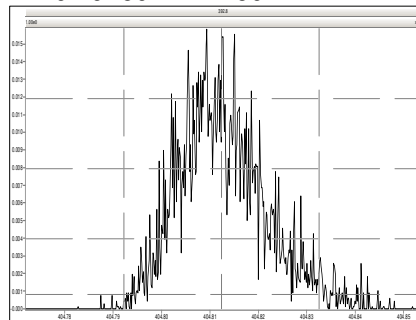
M 380.9760 R 11016



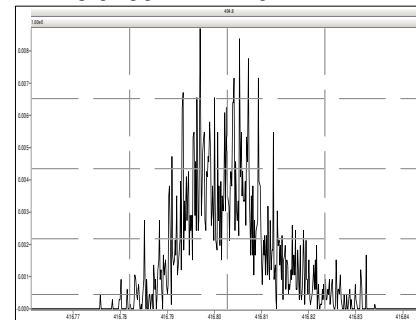
M 392.9760 R 11059



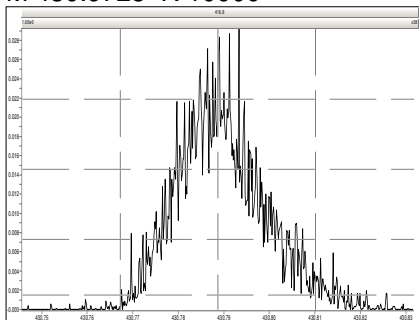
M 404.9760 R 11160



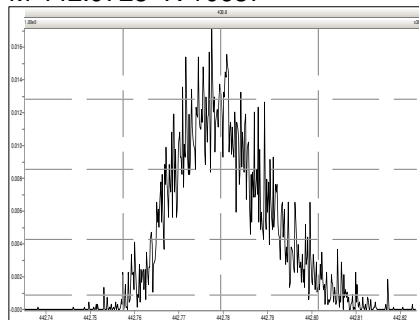
M 416.9760 R 11470



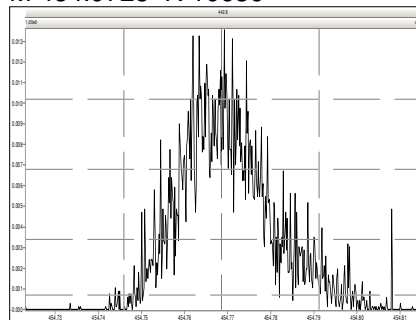
M 430.9728 R 10000



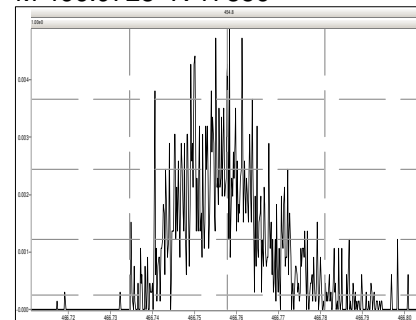
M 442.9728 R 10637



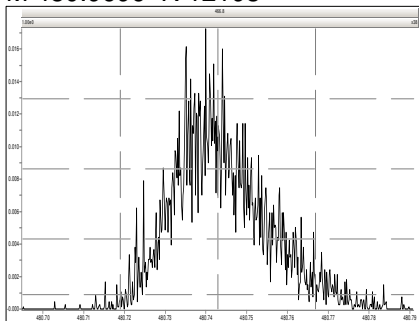
M 454.9728 R 10636



M 466.9728 R 17856



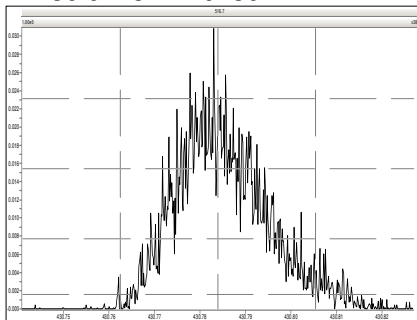
M 480.9696 R 12193



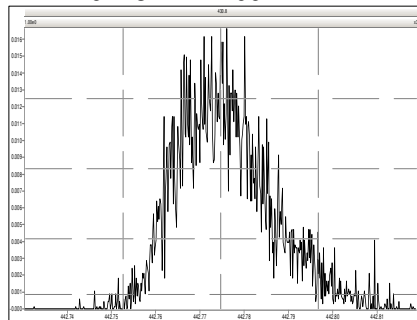
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 7 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:23:11 Pacific Daylight Time

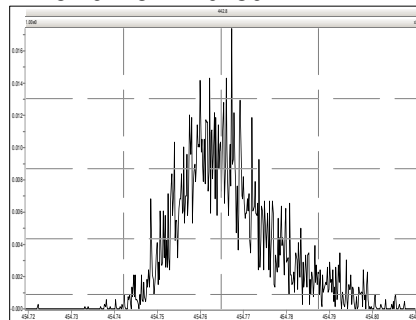
M 430.9728 R 10730



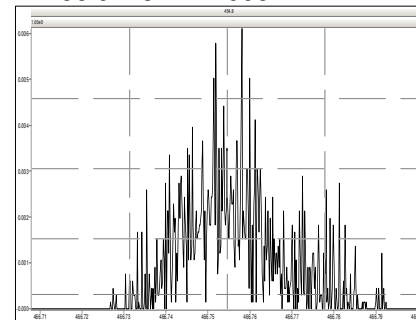
M 442.9728 R 11209



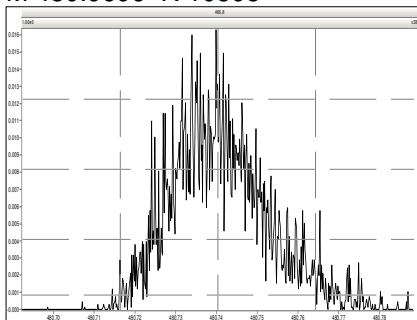
M 454.9728 R 10730



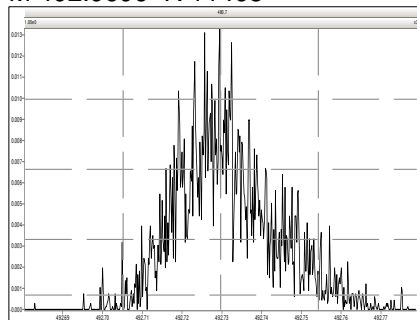
M 466.9728 R 17006



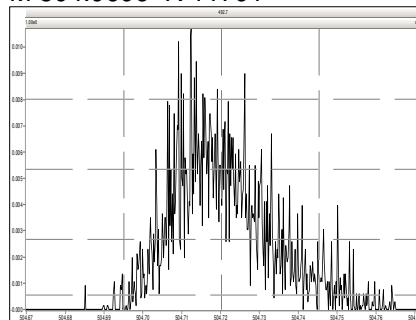
M 480.9696 R 10595



M 492.9696 R 11468



M 504.9696 R 11791



M 516.9697 R 22323

