



FINAL LAB REPORT

M243009

B9935

23-Oct-2024

Prepared by

SGS NORTH AMERICA

Prepared for

Mostardi-Platt

Jenna Ghanma

888 Industrial Drive

Elmhurst, IL 60126

Phone: 630-993-2685

Email: JGhanma@mp-mail.com

This report is approved by

Tamara Burkamper

Digitally signed by Tamara Burkamper
Reason: I have reviewed this document
Location: Wilmington, NC USA
Date: 2024-10-23 12:49:48

Tamara Burkamper

tamara.burkamper@sgs.com

Senior Project Manager

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

Client Project	M243009
SGS Project #	B9935
Analytical Protocol(s)	HR-PAH, 1668C
No. Samples Submitted	8
Additional QC Sample(s)	0
No. Laboratory Method Blanks	1 per method
No. OPRs / Batch CS3	1 per method
Date Received	17-Sep-24
Condition Received	Field Blank - filter petri dish and trap end were broken
Temperature upon Receipt (°C)	14.8, 18.7 (Traps & Filters), 12.2 (Solvents)
Extraction within Holding Time	Yes
Analysis within Holding Time	Yes



QC ANNOTATIONS:

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

HR-PAH

BCS3_21527 does not meet SOP criteria. Samples and method blank are quantitated against ICAL RRFs; there is no impact on results.

All Samples, except the Field Blank, required a solvent dilution (D10) due to extract color and/or odor. Several compounds are near saturation or saturated the detector (S). Further dilution would dilute out the labeled standards.

Test # 3 (003): the reported percent recovery of labeled sampling standards (SS) does not meet method requirements; however, the average recovery was greater than 25 %. Sample concentrations and detection limits were corrected using the average SS recovery as per the method.

Test #5 (005), Test #6 (006), Test #7 (007): the reported percent recovery of labeled extraction standard 13C3-Pyrene is above criteria.

MB1_21527: the reported percent recovery of all labeled extraction standards (ES) is below criteria

M1668C

CS3_241016_PCB_BC (beginning calibration): the reported percent RRF deviation for labeled standards ES PCB-54, ES PCB-104, ES PCB-126, ES PCB-188 is outside method criteria.

CS3_241016_PCB_BD (CPSM): PCB-72 and PCB-175 slightly clipped.

Sample extracts subjected to additional clean-up (CU) to mitigate quantitative interference. All samples of the set, with the exception of the Field Blank, still show severe quantitative interferences affecting Mono-TetraCBs; detection limits (DL) are elevated.

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

B9935
Project ID: M243009

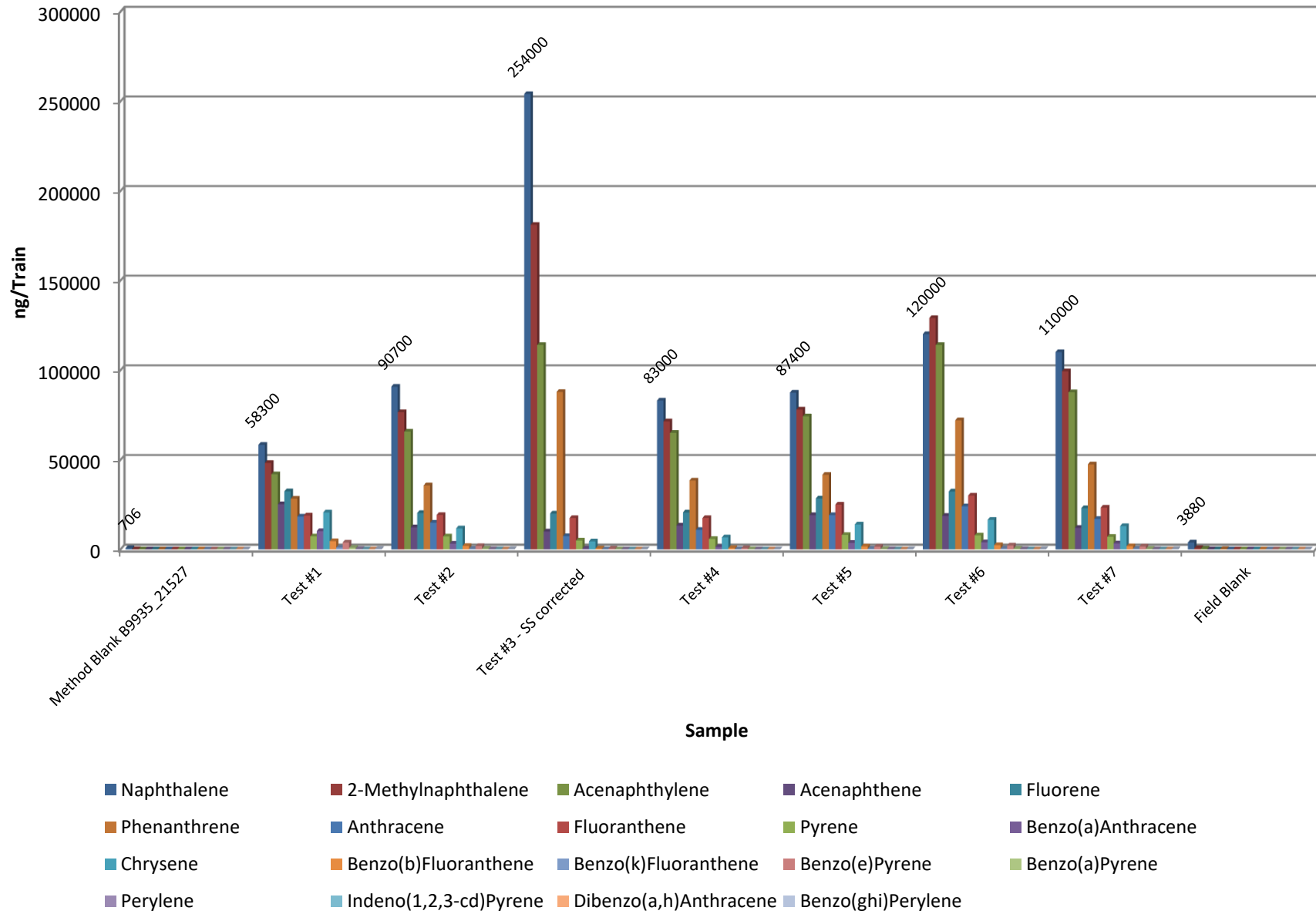
Sample Summary		Method AP-CM/GC-HRMS(PAH)							
Analyte	Method Blank B9935_21527	Test #1	Test #2	Test #3 - SS corrected	Test #4	Test #5	Test #6	Test #7	Field Blank
	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train	Conc ng/Train
Naphthalene	706	58300	90700	254000	83000	87400	120000	110000	3880
2-Methylnaphthalene	106	48200	76500	181000	71400	78000	129000	99300	729
Acenaphthylene	24.3	41900	65700	114000	65000	74200	114000	87600	405
Acenaphthene	9.59	25200	12300	10000	13300	19100	18700	12000	44.5
Fluorene	8.63	32400	20300	20000	20600	28400	32300	23000	64
Phenanthrene	28.3	28300	35700	87800	38400	41600	72000	47400	242
Anthracene	2.57	18300	14900	7380	10900	19100	24000	17000	17.3
Fluoranthene	7.52	18900	19200	17500	17500	25000	30000	23300	29.3
Pyrene	13	7250	7220	4960	5830	8070	7800	7020	29.9
Benzo(a)Anthracene	0.232	10200	3210	465	1350	3650	3970	3350	1.24
Chrysene	0.473	20600	11700	4500	6690	13900	16500	13000	3.74
Benzo(b)Fluoranthene	0.388	4580	1940	491	731	1650	2370	1790	2.34
Benzo(k)Fluoranthene	0.181	1030	368	91.7	159	364	511	386	0.546
Benzo(e)Pyrene	0.606	3840	1880	430	655	1530	2170	1670	3.01
Benzo(a)Pyrene	0.446	866	400	85.1	110	254	366	304	1.21
Perylene	< 0.289	289	176	< 27.1	56.3	135	170	118	0.642
Indeno(1,2,3-cd)Pyrene	0.43	113	103	< 59.2	28	51.3	73.7	50.1	1.96
Dibenzo(a,h)Anthracene	< 0.463	85.2	69.4	< 51.3	< 19.9	22.4	58.4	42.6	< 0.472
Benzo(ghi)Perylene	1.35	322	231	84.4	86.6	128	212	188	9.61
Checkcode:	371-412-MST	978-511-BKG	052-413-BKJ	427-993-QBC	309-009-TGF	772-516-VGY	395-151-BPF	322-773-GLQ	247-726-DGY
Total PAH	910	320675	362597	702787	335796	402555	574201	447519	5465

(<x) = <RL

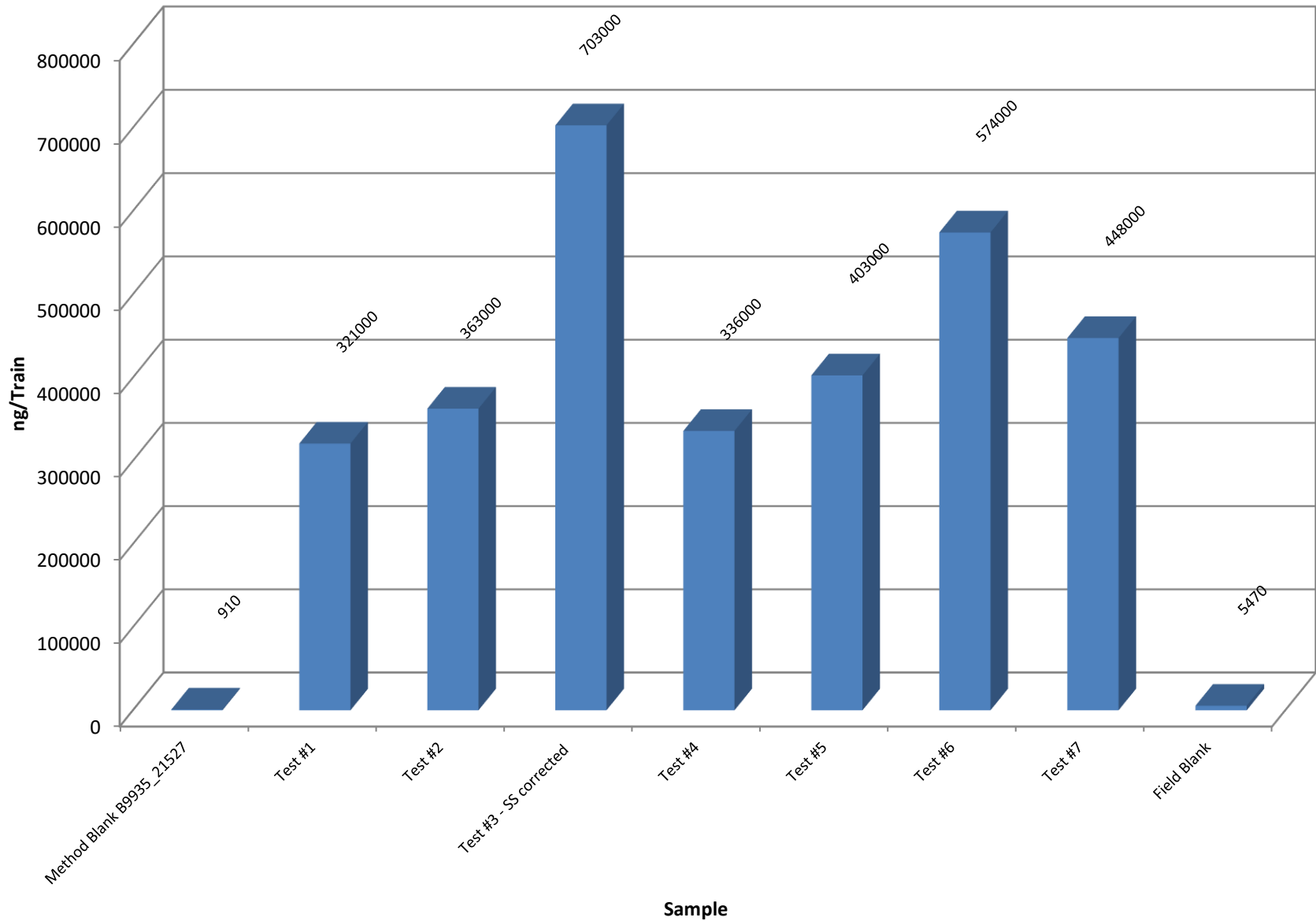
Standards Summary		Method AP-CM/GC-HRMS(PAH)							
Analyte	Method Blank B9935_21527	Test #1	Test #2	Test #3	Test #4	Test #5	Test #6	Test #7	Field Blank
	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
Extraction Standards									
13C6-Naphthalene	26.2	64.8	57.1	49.3	81	92.7	98.9	77.8	45.1
13C6-2-Methylnaphthalene	26.5	43.7	43.5	42.3	57	64.7	59.1	56	48.9
13C6-Acenaphthylene	28.1	54.2	54.8	51.7	74.1	85.9	84.6	69.3	55.7
13C6-Acenaphthene	29.5	38.5	42	49.1	56.7	58	53.7	60	55.6
13C6-Fluorene	33.6	45.1	56.2	52.1	69.6	81.5	64.6	64.6	65
13C6-Phenanthrene	34.5	55.2	67.2	64	81.7	98.5	93.5	87.1	79.7
13C6-Anthracene	42.1	66.8	78.4	70.7	93	109	96.3	92.3	96
13C6-Fluoranthene	34.6	56.5	62	65.5	74.3	88.3	85.7	76.6	74.4
13C3-Pyrene	35.6	128	101	85.7	106	158	184	146	77
13C6-Benzo(a)Anthracene	35.5	56.1	55.2	45.5	68.4	86	82.6	74.1	84
13C6-Chrysene	32.2	48.3	43.4	40.7	55.5	71.2	71.2	62.4	78.5
13C6-Benzo(b)Fluoranthene	45.5	55	78.7	77.3	97	96.4	91.3	90.6	84.9
13C6-Benzo(k)Fluoranthene	37.8	41.6	63.4	76.2	75.3	75.6	68.5	69.8	76.6
13C4-Benzo(e)Pyrene	40.5	45	60.2	63.1	82.5	74.8	73.7	75.8	74.8
13C4-Benzo(a)Pyrene	33.4	48.4	66.1	50.9	76.9	82.3	73.9	76.1	77.3
d12-Perylene	29	45.8	56.1	55.4	67.6	66.8	65.8	66.4	63.8
13C6-Indeno(1,2,3-cd)Pyrene	34.5	45.5	61	53.5	76.3	61.3	80.3	79.6	75.5
13C6-Dibenzo(ah)Anthracene	33.4	39.8	51.2	40.2	49.1	72.1	61	50.5	73.4
13C12-Benzo(ghi)Perylene	36.6	35.6	49.3	45.9	60.7	54.6	67.2	59.5	70.6
Sampling Standards									
d10-Fluorene	91.7	93.1	93.8	43.2	93.7	90.4	87.1	87	97
d14-Terphenyl	115	86.2	94.3	38.6	96.5	84.1	81.1	102	118
FS Standard									
d10-Anthracene	87.7	95.1	107	116	104	108	96.9	98.2	95.9

(<x) = <RL

B9935 PAHs




B9935 Total PAHs





Sample ID:		Test #1		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-24
Project ID:	M243009	Weight/Volume:	1.00 Train	Sample ID:	B9935_21527_PAH_001-D10	Date Extracted:	01-Oct-24
Date Collected:	10-Sep-24			QC Batch No.:	21527	Date Analyzed:	14-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	58300		E S	¹³ C ₆ -Naphthalene	64.8		
2-Methylnaphthalene	48200		E S	¹³ C ₆ -2-Methylnaphthalene	43.7		
Acenaphthylene	41900		E S	¹³ C ₆ -Acenaphthylene	54.2		
Acenaphthene	25200		E	¹³ C ₆ -Acenaphthene	38.5		
Fluorene	32400		E S	¹³ C ₆ -Fluorene	45.1		
Phenanthrene	28300		E S	¹³ C ₆ -Phenanthrene	55.2		
Anthracene	18300		E S	¹³ C ₆ -Anthracene	66.8		
Fluoranthene	18900		E S	¹³ C ₆ -Fluoranthene	56.5		
Pyrene	7250		E S	¹³ C ₃ -Pyrene	128		
Benzo(a)Anthracene	10200		E	¹³ C ₆ -Benzo(a)Anthracene	56.1		
Chrysene	20600		E S	¹³ C ₆ -Chrysene	48.3		
Benzo(b)Fluoranthene	4580		E	¹³ C ₆ -Benzo(b)Fluoranthene	55		
Benzo(k)Fluoranthene	1030		E	¹³ C ₆ -Benzo(k)Fluoranthene	41.6		
Benzo(e)Pyrene	3840		E	¹³ C ₄ -Benzo(e)Pyrene	45		
Benzo(a)Pyrene	866		E	¹³ C ₄ -Benzo(a)Pyrene	48.4		
Perylene	289			d ₁₂ -Perylene	45.8		
Indeno(1,2,3-cd)Pyrene	113			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	45.5		
Dibenzo(a,h)Anthracene	85.2			¹³ C ₆ -Dibenzo(ah)Anthracene	39.8		
Benzo(ghi)Perylene	322			¹³ C ₁₂ -Benzo(ghi)Perylene	35.6		
<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 Recovery Standard (FS)			
				d ₁₀ -Anthracene	95.1		
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	93.1		
d ₁₄ -Terphenyl	86.2						


Sample ID:		Test #2		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-24
Project ID:	M243009	Weight/Volume:	1.00 Train	Sample ID:	B9935_21527_PAH_002-D10	Date Extracted:	01-Oct-24
Date Collected:	10-Sep-24			QC Batch No.:	21527	Date Analyzed:	14-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	90700		E S	¹³ C ₆ -Naphthalene	57.1		
2-Methylnaphthalene	76500		E S	¹³ C ₆ -2-Methylnaphthalene	43.5		
Acenaphthylene	65700		E S	¹³ C ₆ -Acenaphthylene	54.8		
Acenaphthene	12300		E	¹³ C ₆ -Acenaphthene	42		
Fluorene	20300		E	¹³ C ₆ -Fluorene	56.2		
Phenanthrene	35700		E S	¹³ C ₆ -Phenanthrene	67.2		
Anthracene	14900		E	¹³ C ₆ -Anthracene	78.4		
Fluoranthene	19200		E	¹³ C ₆ -Fluoranthene	62		
Pyrene	7220		E	¹³ C ₃ -Pyrene	101		
Benzo(a)Anthracene	3210		E	¹³ C ₆ -Benzo(a)Anthracene	55.2		
Chrysene	11700		E	¹³ C ₆ -Chrysene	43.4		
Benzo(b)Fluoranthene	1940		E	¹³ C ₆ -Benzo(b)Fluoranthene	78.7		
Benzo(k)Fluoranthene	368			¹³ C ₆ -Benzo(k)Fluoranthene	63.4		
Benzo(e)Pyrene	1880		E	¹³ C ₄ -Benzo(e)Pyrene	60.2		
Benzo(a)Pyrene	400			¹³ C ₄ -Benzo(a)Pyrene	66.1		
Perylene	176			d ₁₂ -Perylene	56.1		
Indeno(1,2,3-cd)Pyrene	103			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	61		
Dibenzo(a,h)Anthracene	69.4			¹³ C ₆ -Dibenzo(ah)Anthracene	51.2		
Benzo(ghi)Perylene	231			¹³ C ₁₂ -Benzo(ghi)Perylene	49.3		
<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 Recovery Standard (FS)			
				d ₁₀ -Anthracene	107		
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	93.8		
d ₁₄ -Terphenyl	94.3						

Sample ID:		Test #3 (SS corrected)		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-24
Project ID:	M243009	Weight/Volume:	1.00 Train	Sample ID:	B9935_21527_PAH_003-D10	Date Extracted:	01-Oct-24
Date Collected:	11-Sep-24			QC Batch No.:	21527	Date Analyzed:	14-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	254000		E S	¹³ C ₆ -Naphthalene	49.3		
2-Methylnaphthalene	181000		E S	¹³ C ₆ -2-Methylnaphthalene	42.3		
Acenaphthylene	114000		E	¹³ C ₆ -Acenaphthylene	51.7		
Acenaphthene	10000		E	¹³ C ₆ -Acenaphthene	49.1		
Fluorene	20000		E	¹³ C ₆ -Fluorene	52.1		
Phenanthrene	87800		E S	¹³ C ₆ -Phenanthrene	64		
Anthracene	7380		E	¹³ C ₆ -Anthracene	70.7		
Fluoranthene	17500		E	¹³ C ₆ -Fluoranthene	65.5		
Pyrene	4960		E	¹³ C ₃ -Pyrene	85.7		
Benzo(a)Anthracene	465			¹³ C ₆ -Benzo(a)Anthracene	45.5		
Chrysene	4500		E	¹³ C ₆ -Chrysene	40.7		
Benzo(b)Fluoranthene	491			¹³ C ₆ -Benzo(b)Fluoranthene	77.3		
Benzo(k)Fluoranthene	91.7			¹³ C ₆ -Benzo(k)Fluoranthene	76.2		
Benzo(e)Pyrene	430			¹³ C ₄ -Benzo(e)Pyrene	63.1		
Benzo(a)Pyrene	85.1			¹³ C ₄ -Benzo(a)Pyrene	50.9		
Perylene	ND	27.1		d ₁₂ -Perylene	55.4		
Indeno(1,2,3-cd)Pyrene	ND	59.2		¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	53.5		
Dibenzo(a,h)Anthracene	ND	51.3		¹³ C ₆ -Dibenzo(ah)Anthracene	40.2		
Benzo(ghi)Perylene	84.4			¹³ C ₁₂ -Benzo(ghi)Perylene	45.9		
<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>				Filter Recovery Standard (FS)			
				d ₁₀ -Anthracene	116		
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	43.2	V	
				d ₁₄ -Terphenyl	38.6	V	

Sample ID:		Test #4		Method AP-CM/GC-HRMS(PAH)		
Client Data		Sample Data		Laboratory Data		
Name: Mostardi-Platt		Matrix: Air		Project No.: B9935	Date Received: 17-Sep-24	
Project ID: M243009		Weight/Volume: 1.00 Train		Sample ID: B9935_21527_PAH_004-D10	Date Extracted: 01-Oct-24	
Date Collected: 11-Sep-24				QC Batch No.: 21527	Date Analyzed: 14-Oct-24	
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.
	ng/Train	ng/Train			%	
Naphthalene	83000		E S	¹³ C ₆ -Naphthalene	81	
2-Methylnaphthalene	71400		E S	¹³ C ₆ -2-Methylnaphthalene	57	
Acenaphthylene	65000		E S	¹³ C ₆ -Acenaphthylene	74.1	
Acenaphthene	13300		E	¹³ C ₆ -Acenaphthene	56.7	
Fluorene	20600		E	¹³ C ₆ -Fluorene	69.6	
Phenanthrene	38400		E S	¹³ C ₆ -Phenanthrene	81.7	
Anthracene	10900		E	¹³ C ₆ -Anthracene	93	
Fluoranthene	17500		E	¹³ C ₆ -Fluoranthene	74.3	
Pyrene	5830		E	¹³ C ₃ -Pyrene	106	
Benzo(a)Anthracene	1350		E	¹³ C ₆ -Benzo(a)Anthracene	68.4	
Chrysene	6690		E	¹³ C ₆ -Chrysene	55.5	
Benzo(b)Fluoranthene	731		E	¹³ C ₆ -Benzo(b)Fluoranthene	97	
Benzo(k)Fluoranthene	159			¹³ C ₆ -Benzo(k)Fluoranthene	75.3	
Benzo(e)Pyrene	655		E	¹³ C ₄ -Benzo(e)Pyrene	82.5	
Benzo(a)Pyrene	110			¹³ C ₄ -Benzo(a)Pyrene	76.9	
Perylene	56.3			d ₁₂ -Perylene	67.6	
Indeno(1,2,3-cd)Pyrene	28			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	76.3	
Dibenzo(a,h)Anthracene	ND	19.9		¹³ C ₆ -Dibenzo(ah)Anthracene	49.1	
Benzo(ghi)Perylene	86.6			¹³ C ₁₂ -Benzo(ghi)Perylene	60.7	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com </div>				Filter Recovery Standard (FS)		
				d ₁₀ -Anthracene	104	
				Sampling Standards (SS)		
				d ₁₀ -Fluorene	93.7	
				d ₁₄ -Terphenyl	96.5	

Sample ID:		Test #5		Method AP-CM/GC-HRMS(PAH)		
Client Data		Sample Data		Laboratory Data		
Name: Mostardi-Platt		Matrix: Air		Project No.: B9935	Date Received: 17-Sep-24	
Project ID: M243009		Weight/Volume: 1.00 Train		Sample ID: B9935_21527_PAH_005-D10	Date Extracted: 01-Oct-24	
Date Collected: 11-Sep-24				QC Batch No.: 21527	Date Analyzed: 15-Oct-24	
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.
	ng/Train	ng/Train			%	
Naphthalene	87400		E S	¹³ C ₆ -Naphthalene	92.7	
2-Methylnaphthalene	78000		E S	¹³ C ₆ -2-Methylnaphthalene	64.7	
Acenaphthylene	74200		E S	¹³ C ₆ -Acenaphthylene	85.9	
Acenaphthene	19100		E	¹³ C ₆ -Acenaphthene	58	
Fluorene	28400		E	¹³ C ₆ -Fluorene	81.5	
Phenanthrene	41600		E S	¹³ C ₆ -Phenanthrene	98.5	
Anthracene	19100		E	¹³ C ₆ -Anthracene	109	
Fluoranthene	25000		E	¹³ C ₆ -Fluoranthene	88.3	
Pyrene	8070		E	¹³ C ₃ -Pyrene	158	V
Benzo(a)Anthracene	3650		E	¹³ C ₆ -Benzo(a)Anthracene	86	
Chrysene	13900		E	¹³ C ₆ -Chrysene	71.2	
Benzo(b)Fluoranthene	1650		E	¹³ C ₆ -Benzo(b)Fluoranthene	96.4	
Benzo(k)Fluoranthene	364			¹³ C ₆ -Benzo(k)Fluoranthene	75.6	
Benzo(e)Pyrene	1530		E	¹³ C ₄ -Benzo(e)Pyrene	74.8	
Benzo(a)Pyrene	254			¹³ C ₄ -Benzo(a)Pyrene	82.3	
Perylene	135			d ₁₂ -Perylene	66.8	
Indeno(1,2,3-cd)Pyrene	51.3			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	61.3	
Dibenzo(a,h)Anthracene	22.4			¹³ C ₆ -Dibenzo(ah)Anthracene	72.1	
Benzo(ghi)Perylene	128			¹³ C ₁₂ -Benzo(ghi)Perylene	54.6	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com </div>				Filter Recovery Standard (FS)		
				d ₁₀ -Anthracene	108	
				Sampling Standards (SS)		
				d ₁₀ -Fluorene	90.4	
				d ₁₄ -Terphenyl	84.1	

Sample ID:		Test #6		Method AP-CM/GC-HRMS(PAH)		
Client Data		Sample Data		Laboratory Data		
Name: Mostardi-Platt		Matrix: Air		Project No.: B9935	Date Received: 17-Sep-24	
Project ID: M243009		Weight/Volume: 1.00 Train		Sample ID: B9935_21527_PAH_006-D10	Date Extracted: 01-Oct-24	
Date Collected: 12-Sep-24				QC Batch No.: 21527	Date Analyzed: 15-Oct-24	
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.
	ng/Train	ng/Train			%	
Naphthalene	120000		E S	¹³ C ₆ -Naphthalene	98.9	
2-Methylnaphthalene	129000		E S	¹³ C ₆ -2-Methylnaphthalene	59.1	
Acenaphthylene	114000		E S	¹³ C ₆ -Acenaphthylene	84.6	
Acenaphthene	18700		E	¹³ C ₆ -Acenaphthene	53.7	
Fluorene	32300		E	¹³ C ₆ -Fluorene	64.6	
Phenanthrene	72000		E S	¹³ C ₆ -Phenanthrene	93.5	
Anthracene	24000		E	¹³ C ₆ -Anthracene	96.3	
Fluoranthene	30000		E	¹³ C ₆ -Fluoranthene	85.7	
Pyrene	7800		E	¹³ C ₃ -Pyrene	184	V
Benzo(a)Anthracene	3970		E	¹³ C ₆ -Benzo(a)Anthracene	82.6	
Chrysene	16500		E	¹³ C ₆ -Chrysene	71.2	
Benzo(b)Fluoranthene	2370		E	¹³ C ₆ -Benzo(b)Fluoranthene	91.3	
Benzo(k)Fluoranthene	511		E	¹³ C ₆ -Benzo(k)Fluoranthene	68.5	
Benzo(e)Pyrene	2170		E	¹³ C ₄ -Benzo(e)Pyrene	73.7	
Benzo(a)Pyrene	366			¹³ C ₄ -Benzo(a)Pyrene	73.9	
Perylene	170			d ₁₂ -Perylene	65.8	
Indeno(1,2,3-cd)Pyrene	73.7			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	80.3	
Dibenzo(a,h)Anthracene	58.4			¹³ C ₆ -Dibenzo(ah)Anthracene	61	
Benzo(ghi)Perylene	212			¹³ C ₁₂ -Benzo(ghi)Perylene	67.2	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com </div>				Filter Recovery Standard (FS)		
				d ₁₀ -Anthracene	96.9	
				Sampling Standards (SS)		
				d ₁₀ -Fluorene	87.1	
				d ₁₄ -Terphenyl	81.1	

Sample ID:		Test #7		Method AP-CM/GC-HRMS(PAH)		
Client Data		Sample Data		Laboratory Data		
Name: Mostardi-Platt		Matrix: Air		Project No.: B9935		Date Received: 17-Sep-24
Project ID: M243009		Weight/Volume: 1.00 Train		Sample ID: B9935_21527_PAH_007-D10		Date Extracted: 01-Oct-24
Date Collected: 12-Sep-24				QC Batch No.: 21527		Date Analyzed: 15-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.
	ng/Train	ng/Train			%	
Naphthalene	110000		E S	¹³ C ₆ -Naphthalene	77.8	
2-Methylnaphthalene	99300		E S	¹³ C ₆ -2-Methylnaphthalene	56	
Acenaphthylene	87600		E S	¹³ C ₆ -Acenaphthylene	69.3	
Acenaphthene	12000		E	¹³ C ₆ -Acenaphthene	60	
Fluorene	23000		E	¹³ C ₆ -Fluorene	64.6	
Phenanthrene	47400		E S	¹³ C ₆ -Phenanthrene	87.1	
Anthracene	17000		E	¹³ C ₆ -Anthracene	92.3	
Fluoranthene	23300		E	¹³ C ₆ -Fluoranthene	76.6	
Pyrene	7020		E	¹³ C ₃ -Pyrene	146	V
Benzo(a)Anthracene	3350		E	¹³ C ₆ -Benzo(a)Anthracene	74.1	
Chrysene	13000		E	¹³ C ₆ -Chrysene	62.4	
Benzo(b)Fluoranthene	1790		E	¹³ C ₆ -Benzo(b)Fluoranthene	90.6	
Benzo(k)Fluoranthene	386			¹³ C ₆ -Benzo(k)Fluoranthene	69.8	
Benzo(e)Pyrene	1670		E	¹³ C ₄ -Benzo(e)Pyrene	75.8	
Benzo(a)Pyrene	304			¹³ C ₄ -Benzo(a)Pyrene	76.1	
Perylene	118			d ₁₂ -Perylene	66.4	
Indeno(1,2,3-cd)Pyrene	50.1			¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	79.6	
Dibenzo(a,h)Anthracene	42.6			¹³ C ₆ -Dibenzo(ah)Anthracene	50.5	
Benzo(ghi)Perylene	188			¹³ C ₁₂ -Benzo(ghi)Perylene	59.5	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: 910 794-1613 www.us.sgs.com </div>				Filter Recovery Standard (FS)		
				d ₁₀ -Anthracene	98.2	
				Sampling Standards (SS)		
				d ₁₀ -Fluorene	87	
				d ₁₄ -Terphenyl	102	

Sample ID:		Field Blank		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-24
Project ID:	M243009	Weight/Volume:	1.00 Train	Sample ID:	B9935_21527_PAH_008	Date Extracted:	01-Oct-24
Date Collected:	12-Sep-24			QC Batch No.:	21527	Date Analyzed:	14-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	3880		B E S	¹³ C ₆ -Naphthalene	45.1		
2-Methylnaphthalene	729		B E	¹³ C ₆ -2-Methylnaphthalene	48.9		
Acenaphthylene	405		E	¹³ C ₆ -Acenaphthylene	55.7		
Acenaphthene	44.5		B	¹³ C ₆ -Acenaphthene	55.6		
Fluorene	64		B	¹³ C ₆ -Fluorene	65		
Phenanthrene	242		B	¹³ C ₆ -Phenanthrene	79.7		
Anthracene	17.3		B	¹³ C ₆ -Anthracene	96		
Fluoranthene	29.3		B	¹³ C ₆ -Fluoranthene	74.4		
Pyrene	29.9		B	¹³ C ₃ -Pyrene	77		
Benzo(a)Anthracene	1.24		J B	¹³ C ₆ -Benzo(a)Anthracene	84		
Chrysene	3.74		J B	¹³ C ₆ -Chrysene	78.5		
Benzo(b)Fluoranthene	2.34		J B	¹³ C ₆ -Benzo(b)Fluoranthene	84.9		
Benzo(k)Fluoranthene	0.546		J B	¹³ C ₆ -Benzo(k)Fluoranthene	76.6		
Benzo(e)Pyrene	3.01		J B	¹³ C ₄ -Benzo(e)Pyrene	74.8		
Benzo(a)Pyrene	1.21		J B	¹³ C ₄ -Benzo(a)Pyrene	77.3		
Perylene	0.642		J	d ₁₂ -Perylene	63.8		
Indeno(1,2,3-cd)Pyrene	1.96		J B	¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	75.5		
Dibenzo(a,h)Anthracene	ND	0.472		¹³ C ₆ -Dibenzo(ah)Anthracene	73.4		
Benzo(ghi)Perylene	9.61		B	¹³ C ₁₂ -Benzo(ghi)Perylene	70.6		
<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>				Filter Recovery Standard (FS)			
				d ₁₀ -Anthracene	95.9		
				Sampling Standards (SS)			
				d ₁₀ -Fluorene	97		
d ₁₄ -Terphenyl	118						

Sample ID:		Method Blank B9935_21527		Method AP-CM/GC-HRMS(PAH)			
Client Data		Sample Data		Laboratory Data			
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	n/a
Project ID:	M243009	Weight/Volume:	1.00 Train	Sample ID:	MB1_21527_PAH_SDS	Date Extracted:	01-Oct-24
Date Collected:	n/a			QC Batch No.:	21527	Date Analyzed:	14-Oct-24
Analyte	Conc.	DL	Qual.	Extraction Standards (ES)	Recovery	Qual.	
	ng/Train	ng/Train			%		
Naphthalene	706		E	¹³ C ₆ -Naphthalene	26.2	V	
2-Methylnaphthalene	106			¹³ C ₆ -2-Methylnaphthalene	26.5	V	
Acenaphthylene	24.3			¹³ C ₆ -Acenaphthylene	28.1	V	
Acenaphthene	9.59			¹³ C ₆ -Acenaphthene	29.5	V	
Fluorene	8.63			¹³ C ₆ -Fluorene	33.6	V	
Phenanthrene	28.3			¹³ C ₆ -Phenanthrene	34.5	V	
Anthracene	2.57		J	¹³ C ₆ -Anthracene	42.1	V	
Fluoranthene	7.52			¹³ C ₆ -Fluoranthene	34.6	V	
Pyrene	13			¹³ C ₃ -Pyrene	35.6	V	
Benzo(a)Anthracene	0.232		J	¹³ C ₆ -Benzo(a)Anthracene	35.5	V	
Chrysene	0.473		J	¹³ C ₆ -Chrysene	32.2	V	
Benzo(b)Fluoranthene	0.388		J	¹³ C ₆ -Benzo(b)Fluoranthene	45.5	V	
Benzo(k)Fluoranthene	0.181		J	¹³ C ₆ -Benzo(k)Fluoranthene	37.8	V	
Benzo(e)Pyrene	0.606		J	¹³ C ₄ -Benzo(e)Pyrene	40.5	V	
Benzo(a)Pyrene	0.446		J	¹³ C ₄ -Benzo(a)Pyrene	33.4	V	
Perylene	ND	0.289		d ₁₂ -Perylene	29	V	
Indeno(1,2,3-cd)Pyrene	0.43		J	¹³ C ₆ -Indeno(1,2,3-cd)Pyrene	34.5	V	
Dibenzo(a,h)Anthracene	ND	0.463		¹³ C ₆ -Dibenzo(ah)Anthracene	33.4	V	
Benzo(ghi)Perylene	1.35		J	¹³ C ₁₂ -Benzo(ghi)Perylene	36.6	V	
<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>				Filter Recovery Standard (FS)			
				d ₁₀ -Anthracene		87.7	
				Sampling Standards (SS)			
				d ₁₀ -Fluorene		91.7	
d ₁₄ -Terphenyl		115					



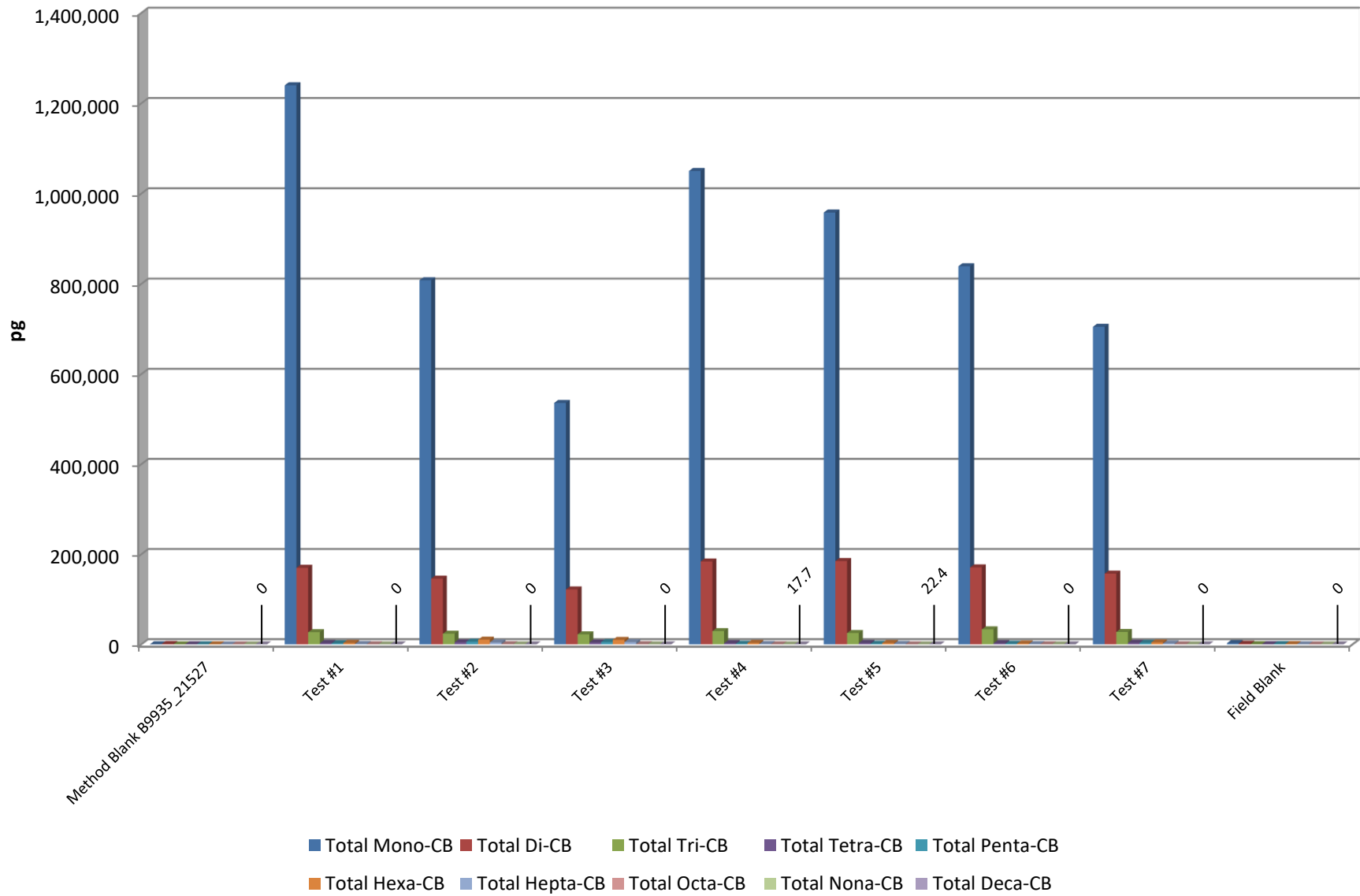
PCB Report									M1668C
Analyte	Method Blank B9935_21527	Test #1	Test #2	Test #3	Test #4	Test #5	Test #6	Test #7	Field Blank
	pg	pg	pg	pg	pg	pg	pg	pg	pg
PCB-77	(21.1)	[40]	66.2	78.4	42.5	75.4	(25.2)	47.1	(11.6)
PCB-81	(22.9)	(27.4)	(29.6)	(23.2)	(19.5)	[28.1]	(22.7)	23.7	(12)
PCB-105	[23.8]	[120]	[349]	[213]	[175]	[153]	[104]	[233]	[46.3]
PCB-114	(14.5)	46.6	[31.6]	[32.3]	34.8	35.5	46.2	43.9	(6.79)
PCB-118	54.4	267	771	488	315	276	154	482	106
PCB-123	(15)	(27.1)	(29)	(17.1)	(11.8)	(11.6)	(14.1)	(10.9)	(6.83)
PCB-126	(25.5)	(25)	(31.6)	(19.6)	(16.7)	(16.5)	(17.9)	(19.1)	(12)
PCB-156/157	[26.7]	[41.9]	[125]	87	73.8	[47.5]	[34.5]	85.5	[24.6]
PCB-167	(14)	[18.4]	42.5	[30.5]	[22.5]	[20.7]	17.3	[26.4]	[7.55]
PCB-169	[39.6]	(34.7)	(32.9)	(17.9)	(19.8)	(14.6)	(16.9)	(19.8)	(8.97)
PCB-189	(17.9)	(23.6)	(25.1)	(11.5)	(10.4)	(12.5)	(13.7)	(11.8)	(10.7)
Total Mono-CB	198	1,240,000	808,000	536,000	1,050,000	958,000	839,000	705,000	2,720
Total Di-CB	778	170,000	146,000	122,000	184,000	185,000	171,000	157,000	1,460
Total Tri-CB	74.8	27,000	23,700	22,300	29,400	25,100	33,300	27,600	331
Total Tetra-CB	198	2,830	4,660	4,050	2,490	2,980	2,430	3,320	494
Total Penta-CB	242	2,270	6,150	5,230	1,400	1,520	1,530	3,280	598
Total Hexa-CB	155	3,200	10,400	9,940	3,060	2,930	1,780	4,370	587
Total Hepta-CB	18.8	854	4,110	5,010	779	1,080	607	1,800	271
Total Octa-CB	(14.1)	156	441	492	137	40.7	226	304	11.6
Total Nona-CB	(37.7)	(64.3)	(53.2)	(46.5)	(23.5)	(23)	(39.5)	(29.1)	(31.3)
Total Deca-CB	(23.8)	(23.6)	(30.6)	(17)	17.7	22.4	(17)	(17.6)	(16)
TEQs (WHO 2005 M/H)									
ND = 0; EMPC = 0	0.00163	0.00939	0.031	0.0251	0.0169	0.0169	0.00651	0.0302	0.00319
ND = 0; EMPC = EMPC	1.19	0.0188	0.0462	0.0334	0.0229	0.0319	0.0107	0.0379	0.00554
ND = DL/2; EMPC = 0	1.56	1.79	2.11	1.28	1.15	1.07	1.16	1.28	0.739
ND = DL/2; EMPC = EMPC	2.47	1.8	2.12	1.29	1.16	1.08	1.17	1.29	0.741
ND = DL; EMPC = 0	3.13	3.57	4.19	2.54	2.29	2.11	2.32	2.53	1.47
ND = DL; EMPC = EMPC	3.76	3.57	4.2	2.54	2.29	2.12	2.32	2.54	1.48
Checkcode	037-401-WYT/C	060-135-DKY/C	560-054-VGN/C	682-863-HCV/C	300-199-RTH/C	852-944-FFZ/C	510-315-KTW/C	019-765-RLG/C	910-748-SRN/C
Lab ID	MB1_21527_PCB_SDS-CU	B9935_21527_PCB_001-CU	B9935_21527_PCB_002-CU	B9935_21527_PCB_003-CU	B9935_21527_PCB_004-CU	B9935_21527_PCB_005-CU	B9935_21527_PCB_006-CU	B9935_21527_PCB_007-CU	B9935_21527_PCB_008-CU
Weight/Volume	1	1	1	1	1	1	1	1	1

() = DL
[] = EMPC

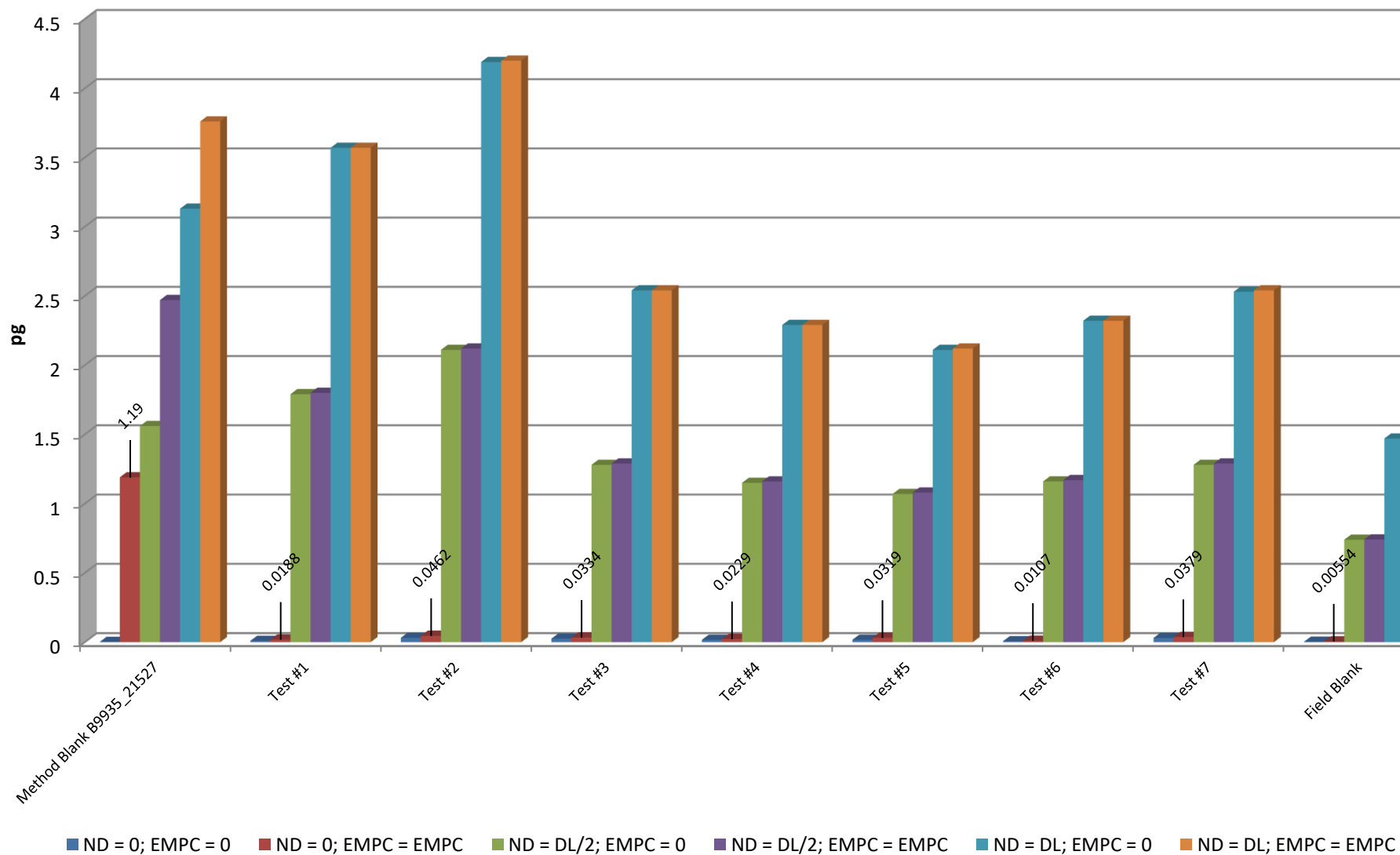


PCB Recoveries									M1668C
Standard	Method Blank B9935_21527	Test #1	Test #2	Test #3	Test #4	Test #5	Test #6	Test #7	Field Blank
ES PCB-1	45.1	42.3	38	32.6	46.1	47.5	41.9	42.9	44.8
ES PCB-3	48	71.4	59.1	49.2	64.9	67.5	65.7	61.7	51.3
ES PCB-4	43	68.8	57.1	45.8	59.8	58.1	61.6	59.2	47.7
ES PCB-15	57.7	122	92.8	75	105	108	104	102	65.6
ES PCB-19	56.9	26.5	28.7	20.7	19	24.4	15.1	18.4	62
ES PCB-37	59.8	79.8	69.5	66	68.7	67.7	72.3	64.7	72.1
ES PCB-54	34.3	21.1	16.5	15.5	18.6	17.4	13.2	13	33
ES PCB-77	65.8	104	77.2	71.2	99.2	100	88.1	86.9	69.7
ES PCB-81	67.8	97.6	74.3	71.2	94.9	96.6	87.1	79.3	69.8
ES PCB-104	35.6	42.3	37.3	41.4	39.9	35.8	38.3	37.8	44.2
ES PCB-105	69.9	91.3	81.2	77.7	93.1	103	85.9	85.9	73.1
ES PCB-114	66.3	83.6	74.5	68.2	85.1	88.9	79.3	79.2	73.1
ES PCB-118	72.2	89.5	79.4	76.8	93.9	91.6	86.5	81.4	79
ES PCB-123	73.5	87.8	81.9	76.7	91.5	94.7	86.8	84.7	72.7
ES PCB-126	49.9	67.1	61.6	56.2	77.8	83.7	69.9	66	52.5
ES PCB-153	81.8	95.7	82.7	77.6	91.5	83.4	86.6	98.7	89.1
ES PCB-155	71.7	82.2	73.5	72.7	74.2	56.9	71.7	82.8	84.8
ES PCB-156/157	98.9	77.5	72.6	78.7	85.8	75.4	75.4	85.5	90.2
ES PCB-167	96.6	96.7	83.3	83.5	98	92.8	88	104	90.5
ES PCB-169	78.5	78.4	71.5	65.3	85.8	84.9	73.5	89.1	72.2
ES PCB-170	98.6	123	103	97	118	110	109	113	105
ES PCB-180	96.7	121	111	99.5	117	116	116	115	114
ES PCB-188	41.3	61.8	53	49.8	64	56.9	49.3	63.2	56.1
ES PCB-189	81.8	90	78.9	75.1	88.1	83.7	83.2	90.1	83.9
ES PCB-202	60.7	75.4	61.1	59.6	75.8	73.9	59.8	74.9	65.9
ES PCB-205	84.7	93.4	83.9	78.7	91.8	87.5	84.8	87	89
ES PCB-206	81.7	82.1	77	68.8	79.3	77	76.7	81.1	79.3
ES PCB-208	97.5	108	97	86.3	104	99	96.6	99.1	106
ES PCB-209	81.4	80.7	71.7	67.4	75.6	69.4	71.3	69.7	77.1
Checkcode	037-401-WYT/C	060-135-DKY/C	560-054-VGN/C	682-863-HCV/C	300-199-RTH/C	852-944-FFZ/C	510-315-KTW/C	019-765-RLG/C	910-748-SRN/C
Lab ID	MB1_21527_PCB_SDS-CU	B9935_21527_PCB_001-CU	B9935_21527_PCB_002-CU	B9935_21527_PCB_003-CU	B9935_21527_PCB_004-CU	B9935_21527_PCB_005-CU	B9935_21527_PCB_006-CU	B9935_21527_PCB_007-CU	B9935_21527_PCB_008-CU
Weight/Volume	1	1	1	1	1	1	1	1	1

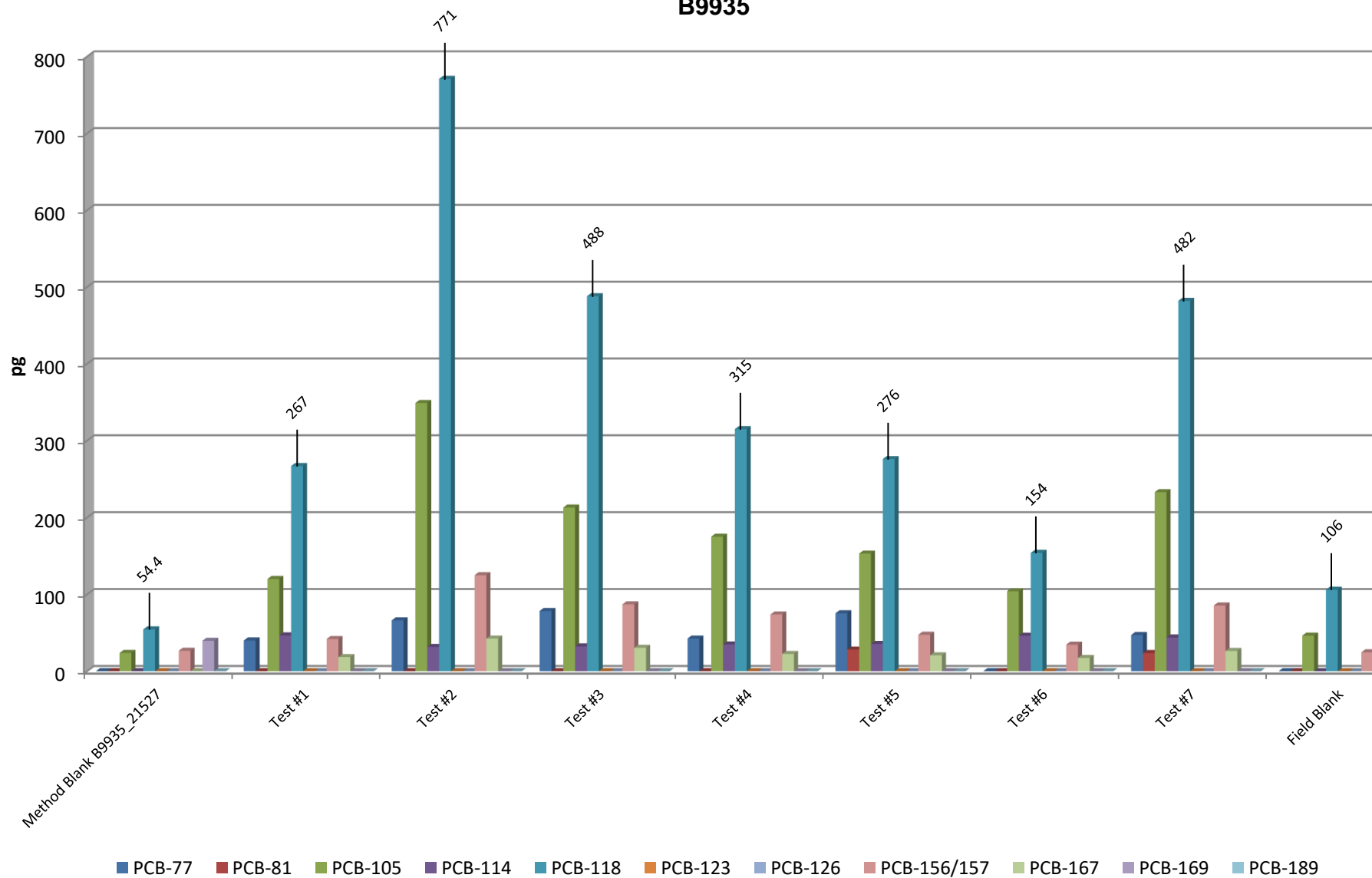
PCB Homologues
Project ID: M243009
B9935



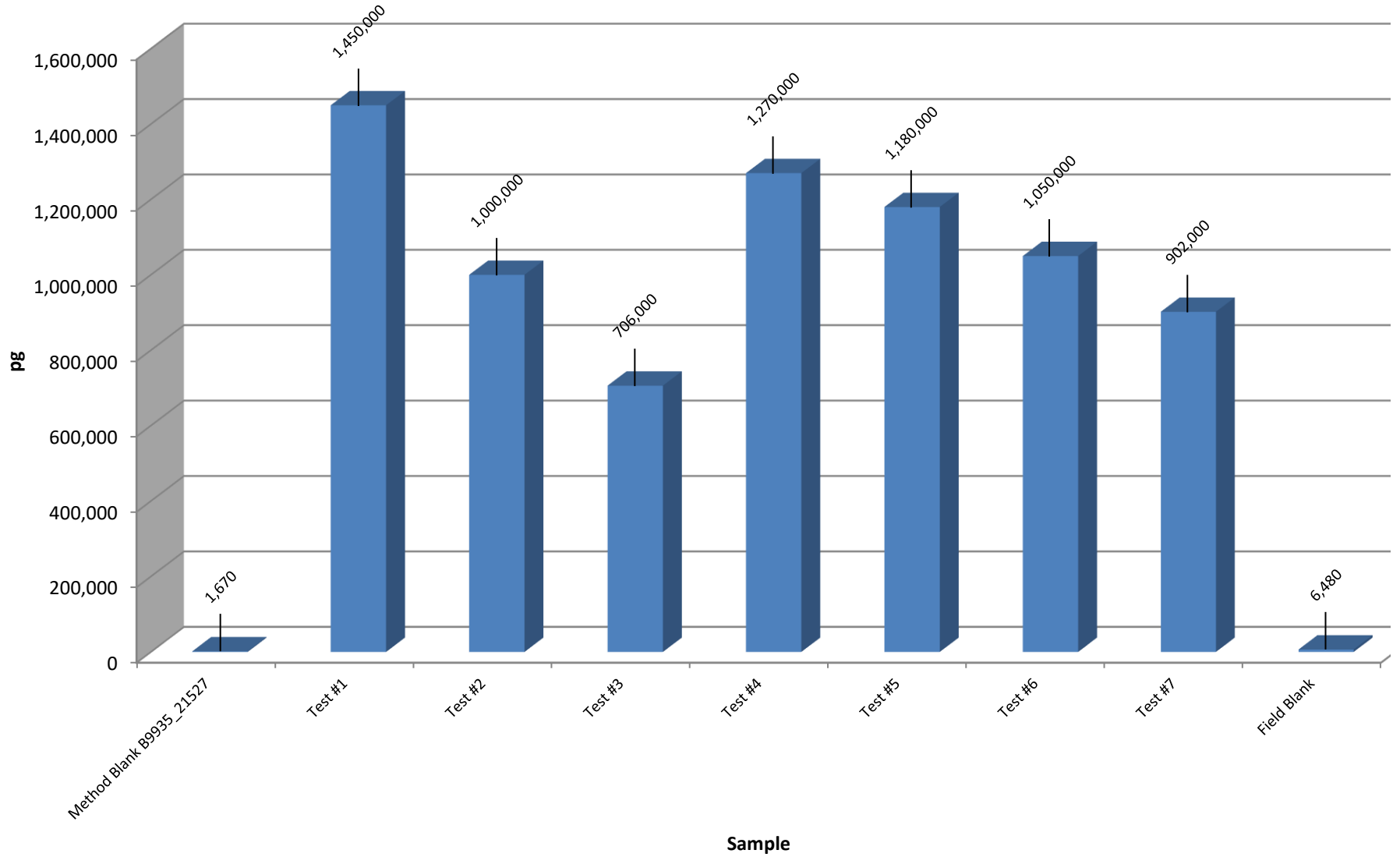
PCB TEQ
Project ID: M243009
B9935



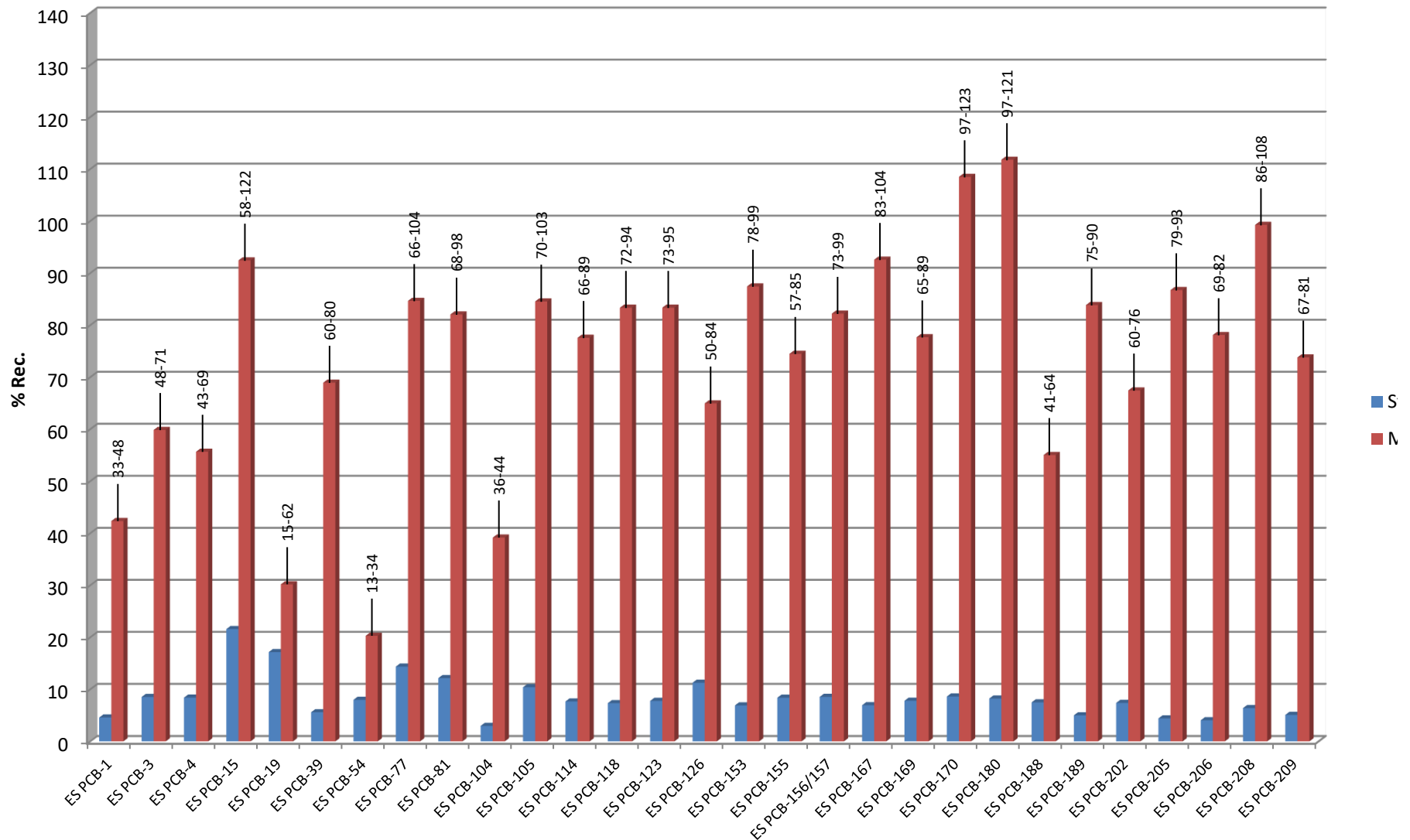
PCB WHO
Project ID: M243009
B9935



Total PCBs
Project ID: M243009
B9935




Mean Recoveries of Extraction Standards (N=9)
Project ID: M243009
B9935



Sample ID: Test #1								
Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_001-CU	Date Extracted:	01-Oct-2024	
Date Collected:	10-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	EMPC		40		ES PCB-1	42.3		
PCB-81 344'5'-TeCB	ND	27.4			ES PCB-3	71.4		
PCB-105 233'44'-PeCB	EMPC		120	B	ES PCB-4	68.8		
PCB-114 2344'5'-PeCB	46.6				ES PCB-15	122		
PCB-118 23'44'5'-PeCB	267			B	ES PCB-19	26.5		
PCB-123 23'44'5'-PeCB	ND	27.1			ES PCB-37	79.8		
PCB-126 33'44'5'-PeCB	ND	25			ES PCB-54	21.1	AS PCB-32	45
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		41.9	B C	ES PCB-77	104	AS PCB-97	93.2
PCB-167 23'44'55'-HxCB	EMPC		18.4	J	ES PCB-81	97.6	AS PCB-159	112
PCB-169 33'44'55'-HxCB	ND	34.7			ES PCB-104	42.3		
PCB-189 233'44'55'-HpCB	ND	23.6			ES PCB-105	91.3		
					ES PCB-114	83.6		
TEQs (WHO 2005 M/H)					ES PCB-118	89.5		
					ES PCB-123	87.8		
ND = 0	0.00939		0.0188		ES PCB-126	67.1		
ND = 0.5 x DL	1.79		1.8		ES PCB-153	95.7		
ND = DL	3.57		3.57		ES PCB-155	82.2		
					ES PCB-156/157	77.5		
Totals					ES PCB-167	96.7		
Mono-CB	1,240,000			E	ES PCB-169	78.4		
Di-CB	170,000				ES PCB-170	123		
Tri-CB	27,000		27,100		ES PCB-180	121		
Tetra-CB	2,830		3,010		ES PCB-188	61.8		
Penta-CB	2,270		2,600		ES PCB-189	90		
Hexa-CB	3,200		3,470		ES PCB-202	75.4		
Hepta-CB	854		1,550		ES PCB-205	93.4		
Octa-CB	156		291		ES PCB-206	82.1		
Nona-CB	ND	64.3			ES PCB-208	108		
Deca-CB	ND	23.6			ES PCB-209	80.7		
					SS PCB-28	83.2		
Total PCB (Mono-Deca)	1,450,000		1,450,000	E	SS PCB-111	101		
					SS PCB-178	94		
Checkcode: 060-135-DKY/C								
SGS North America - PCB v0.99								
Report Created: 23-Oct-2024 11:15 Analyst: J								



Sample ID: Test #1						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_001-CU			Date Extracted: 01-Oct-2024		
Date Collected: 10-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 060-135-DKY/C			Time Analyzed: 01:39:13		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	132,000	E	PCB-19	(367)		PCB-54	(79.4)		PCB-72	(28.3)	
PCB-2	528,000	E	PCB-30/18	4,770	C	PCB-50/53	34.6	J C	PCB-68	(29.5)	
PCB-3	585,000	E	PCB-17	5,640		PCB-45	62.4	B	PCB-57	(27.8)	
			PCB-27	(250)		PCB-51	[14.6]	J B EMPC	PCB-58	(24.8)	
Conc.	1,240,000		PCB-24	1,490		PCB-46	(18.9)		PCB-67	(23.9)	
EMPC	1,240,000		PCB-16	2,300		PCB-52	290	B	PCB-63	[67]	EMPC
			PCB-32	(220)		PCB-73	(11.4)		PCB-61/70/74/76	784	B C
Di	Conc.	Qualifiers	PCB-34	(59.2)		PCB-43	[29.6]	EMPC	PCB-66	164	B
PCB-4	37,700		PCB-23	(54.8)		PCB-69/49	115	B C	PCB-55	(25.7)	
PCB-10	(76.9)		PCB-26/29	1,180	C	PCB-48	153		PCB-56	[24.6]	EMPC
PCB-9	2,490		PCB-25	77.2		PCB-44/47/65	308	B C	PCB-60	187	
PCB-7	3,110		PCB-31	1,070		PCB-59/62/75	286	C	PCB-80	(27.2)	
PCB-6	2,320		PCB-28/20	6,590	C	PCB-42	63.6		PCB-79	(25.1)	
PCB-5	488		PCB-21/33	1,710	C	PCB-41	176		PCB-78	(30.3)	
PCB-8	71,000		PCB-22	[122]	B EMPC	PCB-71/40	98.3	B C	PCB-81	(27.4)	
PCB-14	1,370		PCB-36	(48.3)		PCB-64	110	B	PCB-77	[40]	EMPC
PCB-11	3,060	B	PCB-39	66.7							
PCB-13/12	8,790	C	PCB-38	1,470							
PCB-15	39,800		PCB-35	87.9							
			PCB-37	521							
Conc.	170,000		Conc.	27,000					Conc.	2,830	
EMPC	170,000		EMPC	27,100					EMPC	3,010	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		1,440,000		1,440,000	
						Tetra-Hexa		8,310		9,080	
						Hepta-Deca		1,010		1,840	
						Mono-Deca		1,450,000		1,450,000	

Sample ID: Test #1						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(23.3)		PCB-109/119/86/97/125/87	277	B C	PCB-155	(10.9)		PCB-165	(10.2)	
PCB-96	(20.9)		PCB-117	[13.4]	J EMPC	PCB-152	[5.19]	J EMPC	PCB-146	124	
PCB-103	(30.9)		PCB-116/85	71.9	B C	PCB-150	[7.09]	J EMPC	PCB-161	(8.65)	
PCB-94	(36.6)		PCB-110	387	B	PCB-136	169		PCB-153/168	659	C
PCB-95	412	B	PCB-115	[26.8]	EMPC	PCB-145	(9.88)		PCB-141	185	
PCB-100/93	(32.9)	C	PCB-82	31.4		PCB-148	(10.7)		PCB-130	[56.5]	EMPC
PCB-102	(28.3)		PCB-111	(25.2)		PCB-151/135	341	C	PCB-137	[29.8]	EMPC
PCB-98	(28.3)		PCB-120	(21.1)		PCB-154	(10.3)		PCB-164	54.4	
PCB-88	(34.1)		PCB-108/124	(26.7)	C	PCB-144	[50.7]	EMPC	PCB-163/138/129	679	B C
PCB-91	(32.7)		PCB-107	(23.8)		PCB-147/149	661	C	PCB-160	(9.88)	
PCB-84	[92.1]	B EMPC	PCB-123	(27.1)		PCB-134	[55.5]	EMPC	PCB-158	66.9	
PCB-89	(32.3)		PCB-106	(24.7)		PCB-143	(11.2)		PCB-128/166	63.4	B C
PCB-121	(21.6)		PCB-118	267	B	PCB-139/140	(11)	C	PCB-159	(20.8)	
PCB-92	[78.5]	B EMPC	PCB-122	(29.3)		PCB-131	(12.6)		PCB-162	(25)	
PCB-113/90/101	575	B C	PCB-114	46.6		PCB-142	(12.9)		PCB-167	[18.4]	J EMPC
PCB-83	(41.4)		PCB-105	[120]	B EMPC	PCB-132	202	B	PCB-156/157	[41.9]	B EMPC C
PCB-99	203	B	PCB-127	(25.4)		PCB-133	(11.2)		PCB-169	(34.7)	
PCB-112	(20)		PCB-126	(25)							
			Conc.	2,270					Conc.	3,200	
			EMPC	2,600					EMPC	3,470	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(12.1)		PCB-174	244		PCB-202	[26.9]	EMPC	PCB-208	(39.6)	
PCB-179	81.7		PCB-177	[83.9]	EMPC	PCB-201	23		PCB-207	(39.6)	
PCB-184	(10.3)		PCB-181	(22.2)		PCB-204	(14.1)		PCB-206	(88.9)	
PCB-176	[48.8]	EMPC	PCB-171/173	63.6	C	PCB-197	(15.2)				
PCB-186	(9.54)		PCB-172	[30.3]	EMPC	PCB-200	(16.7)		Conc.	0	
PCB-178	[62.8]	EMPC	PCB-192	(19)		PCB-198/199	92.8	C	EMPC	0	
PCB-175	(25.4)		PCB-180/193	[347]	B EMPC C	PCB-196	[48]	EMPC			
PCB-187	294		PCB-191	(22)		PCB-203	39.9		Deca	Conc.	Qualifiers
PCB-182	(19.3)		PCB-170	[96.2]	EMPC	PCB-195	[25.9]	EMPC	PCB-209	(23.6)	
PCB-183	170		PCB-190	(22.7)		PCB-194	[33.9]	EMPC			
PCB-185	[25.5]	EMPC	PCB-189	(23.6)		PCB-205	(20.7)				
			Conc.	854		Conc.	156				
			EMPC	1,550		EMPC	291				

Sample ID: Test #2


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_002-CU	Date Extracted:	01-Oct-2024	
Date Collected:	10-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	66.2				ES PCB-1	38		
PCB-81 344'5'-TeCB	ND	29.6			ES PCB-3	59.1		
PCB-105 233'44'-PeCB	EMPC		349		ES PCB-4	57.1		
PCB-114 2344'5'-PeCB	EMPC		31.6		ES PCB-15	92.8		
PCB-118 23'44'5'-PeCB	771				ES PCB-19	28.7		
PCB-123 23'44'5'-PeCB	ND	29			ES PCB-37	69.5		
PCB-126 33'44'5'-PeCB	ND	31.6			ES PCB-54	16.5	AS PCB-32	40.6
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		125	B C	ES PCB-77	77.2	AS PCB-97	87.3
PCB-167 23'44'55'-HxCB	42.5				ES PCB-81	74.3	AS PCB-159	107
PCB-169 33'44'55'-HxCB	ND	32.9			ES PCB-104	37.3		
PCB-189 233'44'55'-HpCB	ND	25.1			ES PCB-105	81.2		
					ES PCB-114	74.5		
TEQs (WHO 2005 M/H)					ES PCB-118	79.4		
					ES PCB-123	81.9		
ND = 0	0.031		0.0462		ES PCB-126	61.6		
ND = 0.5 x DL	2.11		2.12		ES PCB-153	82.7		
ND = DL	4.19		4.2		ES PCB-155	73.5		
					ES PCB-156/157	72.6		
Totals					ES PCB-167	83.3		
Mono-CB	808,000			E	ES PCB-169	71.5		
Di-CB	146,000				ES PCB-170	103		
Tri-CB	23,700		23,800		ES PCB-180	111		
Tetra-CB	4,660		4,870		ES PCB-188	53		
Penta-CB	6,150		7,090		ES PCB-189	78.9		
Hexa-CB	10,400		10,900		ES PCB-202	61.1		
Hepta-CB	4,110		4,610		ES PCB-205	83.9		
Octa-CB	441		677		ES PCB-206	77		
Nona-CB	ND	53.2			ES PCB-208	97		
Deca-CB	ND	30.6			ES PCB-209	71.7		
					SS PCB-28	88.1		
Total PCB (Mono-Deca)	1,000,000		1,010,000	E	SS PCB-111	97.9		
					SS PCB-178	96.5		

Checkcode: 560-054-VGN/C

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Report Created: 23-Oct-2024 11:15 Analyst: JJ



Sample ID: Test #2						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_002-CU			Date Extracted: 01-Oct-2024		
Date Collected: 10-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 560-054-VGN/C			Time Analyzed: 02:37:56		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	74,700		PCB-19	[57.7]	EMPC	PCB-54	(72.8)		PCB-72	(30.6)	
PCB-2	296,000	E	PCB-30/18	3,610	C	PCB-50/53	59.2	C	PCB-68	[31.5]	EMPC
PCB-3	437,000	E	PCB-17	3,990		PCB-45	103		PCB-57	(30)	
			PCB-27	227		PCB-51	[19.3]	J B EMPC	PCB-58	[28.7]	EMPC
Conc.	808,000		PCB-24	934		PCB-46	29.9		PCB-67	(25.8)	
EMPC	808,000		PCB-16	1,790		PCB-52	659	B	PCB-63	[94]	EMPC
			PCB-32	600		PCB-73	(12.6)		PCB-61/70/74/76	1,170	C
Di	Conc.	Qualifiers	PCB-34	(46.7)		PCB-43	[35]	EMPC	PCB-66	316	
PCB-4	29,800		PCB-23	285		PCB-69/49	252	B C	PCB-55	(27.8)	
PCB-10	109		PCB-26/29	1,130	C	PCB-48	174		PCB-56	82.1	
PCB-9	2,300		PCB-25	99.6		PCB-44/47/65	584	B C	PCB-60	227	
PCB-7	2,440		PCB-31	1,260		PCB-59/62/75	291	C	PCB-80	(29.3)	
PCB-6	2,030		PCB-28/20	5,760	C	PCB-42	114		PCB-79	(27.1)	
PCB-5	703		PCB-21/33	1,670	C	PCB-41	178		PCB-78	(32.7)	
PCB-8	56,200		PCB-22	171	B	PCB-71/40	164	B C	PCB-81	(29.6)	
PCB-14	1,150		PCB-36	[42.1]	EMPC	PCB-64	196	B	PCB-77	66.2	
PCB-11	3,930	B	PCB-39	[54.2]	EMPC						
PCB-13/12	10,800	C	PCB-38	1,290							
PCB-15	36,100		PCB-35	212							
			PCB-37	636							
Conc.	146,000		Conc.	23,700					Conc.	4,660	
EMPC	146,000		EMPC	23,800					EMPC	4,870	
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						Totals		Conc.		EMPC	
						Mono-Tri		977,000		977,000	
						Tetra-Hexa		21,200		22,900	
						Hepta-Deca		4,550		5,290	
						Mono-Deca		1,000,000		1,010,000	

Sample ID: Test #2						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(33)		PCB-109/119/86/97/125/87	626	C	PCB-155	(17.7)		PCB-165	(16.5)	
PCB-96	(29.6)		PCB-117	[19.8]	J EMPC	PCB-152	(14.8)		PCB-146	268	
PCB-103	(33)		PCB-116/85	[110]	B EMPC C	PCB-150	(16.7)		PCB-161	(13.9)	
PCB-94	(39)		PCB-110	1,120		PCB-136	573		PCB-153/168	2,090	C
PCB-95	1,360		PCB-115	(21.3)		PCB-145	(16.1)		PCB-141	591	
PCB-100/93	(35.1)	C	PCB-82	[69.9]	EMPC	PCB-148	(17.3)		PCB-130	103	
PCB-102	(30.3)		PCB-111	(26.9)		PCB-151/135	1,230	C	PCB-137	[57.1]	EMPC
PCB-98	(30.2)		PCB-120	(22.5)		PCB-154	(16.6)		PCB-164	[122]	EMPC
PCB-88	(36.4)		PCB-108/124	43.9	C	PCB-144	[167]	EMPC	PCB-163/138/129	1,880	C
PCB-91	[91]	EMPC	PCB-107	55.5		PCB-147/149	2,400	C	PCB-160	(15.9)	
PCB-84	[215]	B EMPC	PCB-123	(29)		PCB-134	116		PCB-158	177	
PCB-89	(34.5)		PCB-106	(26.4)		PCB-143	(18)		PCB-128/166	199	C
PCB-121	(23.1)		PCB-118	771		PCB-139/140	21.7	J C	PCB-159	31.6	
PCB-92	224		PCB-122	(29.6)		PCB-131	(20.2)		PCB-162	(24.1)	
PCB-113/90/101	1,620	C	PCB-114	[31.6]	EMPC	PCB-142	(20.7)		PCB-167	42.5	
PCB-83	[60.1]	EMPC	PCB-105	[349]	EMPC	PCB-132	677		PCB-156/157	[125]	B EMPC C
PCB-99	317		PCB-127	(24.1)		PCB-133	27.2		PCB-169	(32.9)	
PCB-112	(21.3)		PCB-126	(31.6)							
			Conc.	6,150					Conc.	10,400	
			EMPC	7,090					EMPC	10,900	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(14.6)		PCB-174	620		PCB-202	113		PCB-208	(32.2)	
PCB-179	381		PCB-177	294		PCB-201	[84.8]	EMPC	PCB-207	(32.2)	
PCB-184	(12.5)		PCB-181	(24.6)		PCB-204	(12.3)		PCB-206	(74.2)	
PCB-176	197		PCB-171/173	165	C	PCB-197	[10]	J EMPC			
PCB-186	(11.6)		PCB-172	[68.8]	EMPC	PCB-200	[33.1]	EMPC	Conc.	0	
PCB-178	220		PCB-192	(21.1)		PCB-198/199	187	C	EMPC	0	
PCB-175	(28.2)		PCB-180/193	868	C	PCB-196	[53.7]	EMPC			
PCB-187	897		PCB-191	(24.5)		PCB-203	102		Deca	Conc.	Qualifiers
PCB-182	(21.4)		PCB-170	[285]	EMPC	PCB-195	39.6		PCB-209	(30.6)	
PCB-183	466		PCB-190	[47.3]	EMPC	PCB-194	[53.9]	EMPC			
PCB-185	[101]	EMPC	PCB-189	(25.1)		PCB-205	(21.6)				
			Conc.	4,110		Conc.	441				
			EMPC	4,610		EMPC	677				


Sample ID: Test #3

Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_003-CU	Date Extracted:	01-Oct-2024	
Date Collected:	11-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	78.4				ES PCB-1	32.6		
PCB-81 344'5'-TeCB	ND	23.2			ES PCB-3	49.2		
PCB-105 233'44'-PeCB	EMPC		213	B	ES PCB-4	45.8		
PCB-114 2344'5'-PeCB	EMPC		32.3		ES PCB-15	75		
PCB-118 23'44'5'-PeCB	488			B	ES PCB-19	20.7		
PCB-123 23'44'5'-PeCB	ND	17.1			ES PCB-37	66		
PCB-126 33'44'5'-PeCB	ND	19.6			ES PCB-54	15.5	AS PCB-32	39.5
PCB-156/157 233'44'5'/233'44'5'-HxCB	87			B C	ES PCB-77	71.2	AS PCB-97	66.7
PCB-167 23'44'55'-HxCB	EMPC		30.5		ES PCB-81	71.2	AS PCB-159	111
PCB-169 33'44'55'-HxCB	ND	17.9			ES PCB-104	41.4		
PCB-189 233'44'55'-HpCB	ND	11.5			ES PCB-105	77.7		
					ES PCB-114	68.2		
TEQs (WHO 2005 M/H)					ES PCB-118	76.8		
					ES PCB-123	76.7		
ND = 0	0.0251		0.0334		ES PCB-126	56.2		
ND = 0.5 x DL	1.28		1.29		ES PCB-153	77.6		
ND = DL	2.54		2.54		ES PCB-155	72.7		
					ES PCB-156/157	78.7		
Totals					ES PCB-167	83.5		
Mono-CB	536,000			E	ES PCB-169	65.3		
Di-CB	122,000				ES PCB-170	97		
Tri-CB	22,300		22,500		ES PCB-180	99.5		
Tetra-CB	4,050		4,350		ES PCB-188	49.8		
Penta-CB	5,230		5,910		ES PCB-189	75.1		
Hexa-CB	9,940		10,300		ES PCB-202	59.6		
Hepta-CB	5,010		5,290		ES PCB-205	78.7		
Octa-CB	492		715		ES PCB-206	68.8		
Nona-CB	ND	46.5			ES PCB-208	86.3		
Deca-CB	ND	17			ES PCB-209	67.4		
					SS PCB-28	46.6		
Total PCB (Mono-Deca)	706,000		708,000	E	SS PCB-111	50		
					SS PCB-178	55.9		

Checkcode: 682-863-HCV/C

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Report Created: 23-Oct-2024 11:15 Analyst: JJ

Sample ID: Test #3						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_003-CU			Date Extracted: 01-Oct-2024		
Date Collected: 11-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 682-863-HCV/C			Time Analyzed: 03:36:37		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	44,800		PCB-19	[141]	EMPC	PCB-54	(34.4)		PCB-72	(24)	
PCB-2	155,000	E	PCB-30/18	3,250	C	PCB-50/53	56.4	C	PCB-68	28.1	
PCB-3	336,000	E	PCB-17	3,640		PCB-45	129		PCB-57	11.7	J
			PCB-27	166		PCB-51	(8.43)		PCB-58	[18.3]	J EMPC
Conc.	536,000		PCB-24	923		PCB-46	29.9		PCB-67	15.3	J
EMPC	536,000		PCB-16	1,780		PCB-52	544	B	PCB-63	87.1	
			PCB-32	556		PCB-73	(7.38)		PCB-61/70/74/76	952	C
Di	Conc.	Qualifiers	PCB-34	24.2		PCB-43	36.5		PCB-66	[255]	B EMPC
PCB-4	19,700		PCB-23	296		PCB-69/49	221	B C	PCB-55	17	J
PCB-10	75.9		PCB-26/29	1,050	C	PCB-48	165		PCB-56	79.7	
PCB-9	3,780		PCB-25	96.5		PCB-44/47/65	503	B C	PCB-60	188	
PCB-7	1,830		PCB-31	1,240		PCB-59/62/75	240	C	PCB-80	(23)	
PCB-6	1,520		PCB-28/20	4,950	C	PCB-42	111		PCB-79	37.5	
PCB-5	1,200		PCB-21/33	1,520	C	PCB-41	164		PCB-78	[20.7]	EMPC
PCB-8	40,200		PCB-22	167	B	PCB-71/40	168	B C	PCB-81	(23.2)	
PCB-14	1,070		PCB-36	[51]	EMPC	PCB-64	188	B	PCB-77	78.4	
PCB-11	3,170	B	PCB-39	117							
PCB-13/12	15,500	C	PCB-38	1,190							
PCB-15	34,400		PCB-35	283							
			PCB-37	1,050							
Conc.	122,000		Conc.	22,300					Conc.	4,050	
EMPC	122,000		EMPC	22,500					EMPC	4,350	
 <div> 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com </div>											
						Totals		Conc.		EMPC	
						Mono-Tri		681,000		681,000	
						Tetra-Hexa		19,200		20,600	
						Hepta-Deca		5,500		6,010	
						Mono-Deca		706,000		708,000	

Sample ID: Test #3						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(18.1)		PCB-109/119/86/97/125/87	548	B C	PCB-155	(10.5)		PCB-165	(10.2)	
PCB-96	[8.14]	J EMPC	PCB-117	[16.4]	J EMPC	PCB-152	(8.74)		PCB-146	255	
PCB-103	[8.65]	J EMPC	PCB-116/85	108	B C	PCB-150	(9.91)		PCB-161	(8.59)	
PCB-94	(23)		PCB-110	835	B	PCB-136	564		PCB-153/168	1,930	C
PCB-95	1,240		PCB-115	[34.2]	EMPC	PCB-145	(9.57)		PCB-141	546	
PCB-100/93	(20.7)	C	PCB-82	[74.9]	EMPC	PCB-148	(10.7)		PCB-130	[108]	EMPC
PCB-102	[27.2]	EMPC	PCB-111	(15.9)		PCB-151/135	1,250	C	PCB-137	[58.1]	EMPC
PCB-98	(17.8)		PCB-120	(13.3)		PCB-154	13.9	J	PCB-164	[113]	EMPC
PCB-88	(21.5)		PCB-108/124	27.3	J C	PCB-144	167		PCB-163/138/129	1,710	C
PCB-91	[76.1]	EMPC	PCB-107	54.4		PCB-147/149	2,370	C	PCB-160	(9.81)	
PCB-84	[189]	B EMPC	PCB-123	(17.1)		PCB-134	117		PCB-158	157	
PCB-89	(20.3)		PCB-106	(15.5)		PCB-143	(11.1)		PCB-128/166	126	B C
PCB-121	(13.6)		PCB-118	488	B	PCB-139/140	[10.6]	J EMPC C	PCB-159	24.3	
PCB-92	193		PCB-122	(20.4)		PCB-131	[16.6]	J EMPC	PCB-162	(12.3)	
PCB-113/90/101	1,390	C	PCB-114	[32.3]	EMPC	PCB-142	(12.8)		PCB-167	[30.5]	EMPC
PCB-83	(26.1)		PCB-105	[213]	B EMPC	PCB-132	615		PCB-156/157	87	B C
PCB-99	356		PCB-127	(14.8)		PCB-133	[22.2]	EMPC	PCB-169	(17.9)	
PCB-112	(12.6)		PCB-126	(19.6)							
			Conc.	5,230					Conc.	9,940	
			EMPC	5,910					EMPC	10,300	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(10.9)		PCB-174	783		PCB-202	119		PCB-208	(28.4)	
PCB-179	540		PCB-177	336		PCB-201	60.3		PCB-207	(28.4)	
PCB-184	(9.28)		PCB-181	(24.5)		PCB-204	(9.61)		PCB-206	(64.6)	
PCB-176	[187]	EMPC	PCB-171/173	159	C	PCB-197	16.7	J			
PCB-186	(8.59)		PCB-172	[96.3]	EMPC	PCB-200	60.1		Conc.	0	
PCB-178	230		PCB-192	(21)		PCB-198/199	194	C	EMPC	0	
PCB-175	43.4		PCB-180/193	964	C	PCB-196	[72.6]	EMPC			
PCB-187	1,030		PCB-191	(24.4)		PCB-203	[90.8]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(21.4)		PCB-170	246		PCB-195	41.8		PCB-209	(17)	
PCB-183	498		PCB-190	57.7		PCB-194	[60.1]	EMPC			
PCB-185	116		PCB-189	(11.5)		PCB-205	(15.8)				
			Conc.	5,010		Conc.	492				
			EMPC	5,290		EMPC	715				

Sample ID: Test #4


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_004-CU	Date Extracted:	01-Oct-2024	
Date Collected:	11-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	42.5				ES PCB-1	46.1		
PCB-81 344'5'-TeCB	ND	19.5			ES PCB-3	64.9		
PCB-105 233'44'-PeCB	EMPC		175	B	ES PCB-4	59.8		
PCB-114 2344'5'-PeCB	34.8				ES PCB-15	105		
PCB-118 23'44'5'-PeCB	315			B	ES PCB-19	19		
PCB-123 23'44'5'-PeCB	ND	11.8			ES PCB-37	68.7		
PCB-126 33'44'5'-PeCB	ND	16.7			ES PCB-54	18.6	AS PCB-32	49.9
PCB-156/157 233'44'5'/233'44'5'-HxCB	73.8			B C	ES PCB-77	99.2	AS PCB-97	85.1
PCB-167 23'44'55'-HxCB	EMPC		22.5		ES PCB-81	94.9	AS PCB-159	112
PCB-169 33'44'55'-HxCB	ND	19.8			ES PCB-104	39.9		
PCB-189 233'44'55'-HpCB	ND	10.4			ES PCB-105	93.1		
					ES PCB-114	85.1		
TEQs (WHO 2005 M/H)					ES PCB-118	93.9		
					ES PCB-123	91.5		
ND = 0	0.0169		0.0229		ES PCB-126	77.8		
ND = 0.5 x DL	1.15		1.16		ES PCB-153	91.5		
ND = DL	2.29		2.29		ES PCB-155	74.2		
					ES PCB-156/157	85.8		
Totals					ES PCB-167	98		
Mono-CB	1,050,000			E	ES PCB-169	85.8		
Di-CB	184,000				ES PCB-170	118		
Tri-CB	29,400				ES PCB-180	117		
Tetra-CB	2,490		2,550		ES PCB-188	64		
Penta-CB	1,400		2,430		ES PCB-189	88.1		
Hexa-CB	3,060		3,150		ES PCB-202	75.8		
Hepta-CB	779		1,350		ES PCB-205	91.8		
Octa-CB	137		253		ES PCB-206	79.3		
Nona-CB	ND	23.5			ES PCB-208	104		
Deca-CB	17.7			J	ES PCB-209	75.6		
					SS PCB-28	81.5		
Total PCB (Mono-Deca)	1,270,000		1,270,000	E	SS PCB-111	92.5		
					SS PCB-178	102		

Checkcode: 300-199-RTH/C

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Report Created: 23-Oct-2024 11:15 Analyst: JJ



Sample ID: Test #4						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_004-CU			Date Extracted: 01-Oct-2024		
Date Collected: 11-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 300-199-RTH/C			Time Analyzed: 04:35:19		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	84,200	E	PCB-19	(260)		PCB-54	(51.4)		PCB-72	(20.2)	
PCB-2	346,000	E	PCB-30/18	5,620	C	PCB-50/53	[24]	J EMPC C	PCB-68	(21)	
PCB-3	617,000	E	PCB-17	6,420		PCB-45	55.1	B	PCB-57	(19.8)	
			PCB-27	(176)		PCB-51	17.1	J B	PCB-58	(17.7)	
Conc.	1,050,000		PCB-24	2,170		PCB-46	(12)		PCB-67	(17)	
EMPC	1,050,000		PCB-16	2,390		PCB-52	224	B	PCB-63	79.3	
			PCB-32	871		PCB-73	(7.27)		PCB-61/70/74/76	680	B C
Di	Conc.	Qualifiers	PCB-34	(62.1)		PCB-43	29.8		PCB-66	121	B
PCB-4	36,500		PCB-23	348		PCB-69/49	101	B C	PCB-55	(18.3)	
PCB-10	(88.7)		PCB-26/29	(58.7)	C	PCB-48	134		PCB-56	22	
PCB-9	4,170		PCB-25	65.4		PCB-44/47/65	271	B C	PCB-60	158	
PCB-7	2,760		PCB-31	1,070		PCB-59/62/75	236	C	PCB-80	(19.4)	
PCB-6	2,570		PCB-28/20	6,100	C	PCB-42	[40.6]	EMPC	PCB-79	(17.9)	
PCB-5	870		PCB-21/33	1,550	C	PCB-41	153		PCB-78	(21.6)	
PCB-8	69,200		PCB-22	141	B	PCB-71/40	67.9	B C	PCB-81	(19.5)	
PCB-14	1,320		PCB-36	(50.6)		PCB-64	96.1	B	PCB-77	42.5	
PCB-11	3,580	B	PCB-39	99.2							
PCB-13/12	16,800	C	PCB-38	1,530							
PCB-15	46,300		PCB-35	225							
			PCB-37	758							
Conc.	184,000		Conc.	29,400					Conc.	2,490	
EMPC	184,000		EMPC	29,400					EMPC	2,550	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		1,260,000		1,260,000	
						Tetra-Hexa		6,950		8,140	
						Hepta-Deca		933		1,620	
						Mono-Deca		1,270,000		1,270,000	

Sample ID: Test #4						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(12)		PCB-109/119/86/97/125/87	[260]	B EMPC C	PCB-155	(8.35)		PCB-165	(7.19)	
PCB-96	(10.8)		PCB-117	[18]	J EMPC	PCB-152	(6.94)		PCB-146	94.5	
PCB-103	(13.4)		PCB-116/85	61.8	B C	PCB-150	(7.87)		PCB-161	(6.06)	
PCB-94	(15.9)		PCB-110	379	B	PCB-136	117		PCB-153/168	558	C
PCB-95	[246]	B EMPC	PCB-115	[20.6]	EMPC	PCB-145	(7.6)		PCB-141	156	
PCB-100/93	(14.3)	C	PCB-82	38		PCB-148	(7.53)		PCB-130	65.7	
PCB-102	(12.3)		PCB-111	(10.9)		PCB-151/135	269	B C	PCB-137	62.3	
PCB-98	(12.3)		PCB-120	(9.16)		PCB-154	13.2	J	PCB-164	48.5	
PCB-88	(14.8)		PCB-108/124	16.1	J C	PCB-144	[38.3]	EMPC	PCB-163/138/129	715	C
PCB-91	45.1		PCB-107	32.7		PCB-147/149	532	C	PCB-160	(6.93)	
PCB-84	[76.7]	B EMPC	PCB-123	(11.8)		PCB-134	[28.8]	EMPC	PCB-158	60.9	
PCB-89	(14)		PCB-106	(10.7)		PCB-143	(7.86)		PCB-128/166	77.3	B C
PCB-121	(9.39)		PCB-118	315	B	PCB-139/140	13.7	J C	PCB-159	(10.6)	
PCB-92	[61.7]	B EMPC	PCB-122	(11.9)		PCB-131	(8.81)		PCB-162	(12.7)	
PCB-113/90/101	447	B C	PCB-114	34.8		PCB-142	(9.03)		PCB-167	[22.5]	EMPC
PCB-83	32.5		PCB-105	[175]	B EMPC	PCB-132	203	B	PCB-156/157	73.8	B C
PCB-99	[174]	B EMPC	PCB-127	(9.73)		PCB-133	(7.87)		PCB-169	(19.8)	
PCB-112	(8.67)		PCB-126	(16.7)							
			Conc.	1,400					Conc.	3,060	
			EMPC	2,430					EMPC	3,150	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(6.14)		PCB-174	189	B	PCB-202	29		PCB-208	(13.6)	
PCB-179	[55]	EMPC	PCB-177	[87.3]	EMPC	PCB-201	[17]	J EMPC	PCB-207	(13.6)	
PCB-184	(5.25)		PCB-181	(14)		PCB-204	(6.14)		PCB-206	(33.4)	
PCB-176	[35.7]	EMPC	PCB-171/173	56.8	C	PCB-197	(6.59)				
PCB-186	(4.86)		PCB-172	[37.4]	EMPC	PCB-200	(7.27)		Conc.	0	
PCB-178	51.2		PCB-192	(12)		PCB-198/199	[59.5]	EMPC C	EMPC	0	
PCB-175	(16)		PCB-180/193	341	B C	PCB-196	45.5				
PCB-187	[208]	EMPC	PCB-191	(13.9)		PCB-203	[39.7]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(12.2)		PCB-170	[124]	EMPC	PCB-195	20	J	PCB-209	17.7	J
PCB-183	115		PCB-190	[23.6]	EMPC	PCB-194	42.1				
PCB-185	26.5		PCB-189	(10.4)		PCB-205	(11.4)				
			Conc.	779		Conc.	137				
			EMPC	1,350		EMPC	253				

Sample ID: Test #5


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_005-CU	Date Extracted:	01-Oct-2024	
Date Collected:	11-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	75.4				ES PCB-1	47.5		
PCB-81 344'5'-TeCB	EMPC		28.1		ES PCB-3	67.5		
PCB-105 233'44'-PeCB	EMPC		153	B	ES PCB-4	58.1		
PCB-114 2344'5'-PeCB	35.5				ES PCB-15	108		
PCB-118 23'44'5'-PeCB	276			B	ES PCB-19	24.4		
PCB-123 23'44'5'-PeCB	ND	11.6			ES PCB-37	67.7		
PCB-126 33'44'5'-PeCB	ND	16.5			ES PCB-54	17.4	AS PCB-32	22.6
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		47.5	B C	ES PCB-77	100	AS PCB-97	85.8
PCB-167 23'44'55'-HxCB	EMPC		20.7		ES PCB-81	96.6	AS PCB-159	113
PCB-169 33'44'55'-HxCB	ND	14.6			ES PCB-104	35.8		
PCB-189 233'44'55'-HpCB	ND	12.5			ES PCB-105	103		
					ES PCB-114	88.9		
TEQs (WHO 2005 M/H)					ES PCB-118	91.6		
					ES PCB-123	94.7		
ND = 0	0.0169		0.0319		ES PCB-126	83.7		
ND = 0.5 x DL	1.07		1.08		ES PCB-153	83.4		
ND = DL	2.11		2.12		ES PCB-155	56.9		
					ES PCB-156/157	75.4		
Totals					ES PCB-167	92.8		
Mono-CB	958,000			E	ES PCB-169	84.9		
Di-CB	185,000				ES PCB-170	110		
Tri-CB	25,100		25,400		ES PCB-180	116		
Tetra-CB	2,980		3,090		ES PCB-188	56.9		
Penta-CB	1,520		2,300		ES PCB-189	83.7		
Hexa-CB	2,930		3,070		ES PCB-202	73.9		
Hepta-CB	1,080		1,280		ES PCB-205	87.5		
Octa-CB	40.7		233		ES PCB-206	77		
Nona-CB	ND	23			ES PCB-208	99		
Deca-CB	22.4				ES PCB-209	69.4		
					SS PCB-28	85.9		
Total PCB (Mono-Deca)	1,180,000		1,180,000	E	SS PCB-111	95		
					SS PCB-178	105		

Checkcode: 852-944-FFZ/C

SGS North America - PCB v0.99

Report Created: 23-Oct-2024 11:15 Analyst: JJ



Sample ID: Test #5						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_005-CU			Date Extracted: 01-Oct-2024		
Date Collected: 11-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 852-944-FFZ/C			Time Analyzed: 05:34:01		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	89,300	E	PCB-19	(250)		PCB-54	(45)		PCB-72	(22.1)	
PCB-2	323,000	E	PCB-30/18	4,650	C	PCB-50/53	30.3	J C	PCB-68	(22.9)	
PCB-3	546,000	E	PCB-17	5,520		PCB-45	79.6		PCB-57	(21.6)	
			PCB-27	795		PCB-51	(9.04)		PCB-58	(19.3)	
Conc.	958,000		PCB-24	1,540		PCB-46	(13.1)		PCB-67	(18.6)	
EMPC	958,000		PCB-16	1,270		PCB-52	255	B	PCB-63	(23.7)	
			PCB-32	143	B	PCB-73	(7.91)		PCB-61/70/74/76	801	B C
Di	Conc.	Qualifiers	PCB-34	(67.9)		PCB-43	[30.2]	EMPC	PCB-66	258	B
PCB-4	41,100		PCB-23	[366]	EMPC	PCB-69/49	116	B C	PCB-55	(20)	
PCB-10	(80.8)		PCB-26/29	(64.3)	C	PCB-48	155		PCB-56	[55.7]	EMPC
PCB-9	4,270		PCB-25	(52.3)		PCB-44/47/65	285	B C	PCB-60	236	
PCB-7	2,180		PCB-31	(53.9)		PCB-59/62/75	261	C	PCB-80	(21.2)	
PCB-6	1,640		PCB-28/20	6,510	C	PCB-42	57.2		PCB-79	(19.6)	
PCB-5	(102)		PCB-21/33	1,780	C	PCB-41	150		PCB-78	(23.6)	
PCB-8	74,500		PCB-22	187	B	PCB-71/40	111	B C	PCB-81	[28.1]	EMPC
PCB-14	1,010		PCB-36	(55.4)		PCB-64	111	B	PCB-77	75.4	
PCB-11	3,200	B	PCB-39	85.6							
PCB-13/12	12,500	C	PCB-38	1,650							
PCB-15	44,800		PCB-35	153							
			PCB-37	789							
Conc.	185,000		Conc.	25,100					Conc.	2,980	
EMPC	185,000		EMPC	25,400					EMPC	3,090	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		1,170,000		1,170,000	
						Tetra-Hexa		7,440		8,470	
						Hepta-Deca		1,150		1,540	
						Mono-Deca		1,180,000		1,180,000	

Sample ID: Test #5						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(12.5)		PCB-109/119/86/97/125/87	245	B C	PCB-155	(7.68)		PCB-165	(5.2)	
PCB-96	(11.2)		PCB-117	15.6	J	PCB-152	(6.39)		PCB-146	96.8	
PCB-103	(13.2)		PCB-116/85	69.7	B C	PCB-150	(7.24)		PCB-161	(4.39)	
PCB-94	(15.6)		PCB-110	350	B	PCB-136	168		PCB-153/168	592	C
PCB-95	[318]	B EMPC	PCB-115	(8.54)		PCB-145	(6.99)		PCB-141	177	
PCB-100/93	(14.1)	C	PCB-82	29.9		PCB-148	(5.45)		PCB-130	59.1	
PCB-102	(12.1)		PCB-111	(10.8)		PCB-151/135	292	B C	PCB-137	[32.4]	EMPC
PCB-98	(12.1)		PCB-120	(9.02)		PCB-154	(5.24)		PCB-164	43.9	
PCB-88	(14.6)		PCB-108/124	[17]	J EMPC C	PCB-144	44.5		PCB-163/138/129	608	B C
PCB-91	[36.5]	EMPC	PCB-107	[27.8]	EMPC	PCB-147/149	547	C	PCB-160	(5.01)	
PCB-84	71.8	B	PCB-123	(11.6)		PCB-134	[28.1]	EMPC	PCB-158	76.5	
PCB-89	(13.8)		PCB-106	(10.6)		PCB-143	(5.69)		PCB-128/166	58.5	B C
PCB-121	(9.25)		PCB-118	276	B	PCB-139/140	(5.57)	C	PCB-159	(9.23)	
PCB-92	[60.5]	B EMPC	PCB-122	(11.4)		PCB-131	(6.38)		PCB-162	(11.1)	
PCB-113/90/101	432	B C	PCB-114	35.5		PCB-142	(6.54)		PCB-167	[20.7]	EMPC
PCB-83	(17.7)		PCB-105	[153]	B EMPC	PCB-132	171	B	PCB-156/157	[47.5]	B EMPC C
PCB-99	[167]	B EMPC	PCB-127	(9.47)		PCB-133	[10.5]	J EMPC	PCB-169	(14.6)	
PCB-112	(8.54)		PCB-126	(16.5)							
			Conc.	1,520					Conc.	2,930	
			EMPC	2,300					EMPC	3,070	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(4.8)		PCB-174	169	B	PCB-202	28.2		PCB-208	(14.5)	
PCB-179	63.8		PCB-177	91.7		PCB-201	[19.7]	J EMPC	PCB-207	(14.5)	
PCB-184	(4.1)		PCB-181	(13.6)		PCB-204	(6.43)		PCB-206	(31.4)	
PCB-176	[42.1]	EMPC	PCB-171/173	[37.2]	J EMPC C	PCB-197	(6.91)				
PCB-186	(3.8)		PCB-172	25.6		PCB-200	12.5	J	Conc.	0	
PCB-178	59.5		PCB-192	(11.7)		PCB-198/199	[58]	EMPC C	EMPC	0	
PCB-175	(15.6)		PCB-180/193	309	B C	PCB-196	[29]	EMPC			
PCB-187	217		PCB-191	(13.5)		PCB-203	[34.1]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(11.9)		PCB-170	[103]	EMPC	PCB-195	[16.6]	J EMPC	PCB-209	22.4	
PCB-183	126		PCB-190	21.3		PCB-194	[35]	EMPC			
PCB-185	[18.8]	J EMPC	PCB-189	(12.5)		PCB-205	(9.65)				
			Conc.	1,080		Conc.	40.7				
			EMPC	1,280		EMPC	233				

Sample ID: Test #6


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_006-CU	Date Extracted:	01-Oct-2024	
Date Collected:	12-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	ND	25.2			ES PCB-1	41.9		
PCB-81 344'5'-TeCB	ND	22.7			ES PCB-3	65.7		
PCB-105 233'44'-PeCB	EMPC		104	B	ES PCB-4	61.6		
PCB-114 2344'5'-PeCB	46.2				ES PCB-15	104		
PCB-118 23'44'5'-PeCB	154			B	ES PCB-19	15.1		
PCB-123 23'44'5'-PeCB	ND	14.1			ES PCB-37	72.3		
PCB-126 33'44'5'-PeCB	ND	17.9			ES PCB-54	13.2	AS PCB-32	51
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		34.5	J B C	ES PCB-77	88.1	AS PCB-97	90.3
PCB-167 23'44'55'-HxCB	17.3			J	ES PCB-81	87.1	AS PCB-159	107
PCB-169 33'44'55'-HxCB	ND	16.9			ES PCB-104	38.3		
PCB-189 233'44'55'-HpCB	ND	13.7			ES PCB-105	85.9		
					ES PCB-114	79.3		
TEQs (WHO 2005 M/H)					ES PCB-118	86.5		
					ES PCB-123	86.8		
ND = 0	0.00651		0.0107		ES PCB-126	69.9		
ND = 0.5 x DL	1.16		1.17		ES PCB-153	86.6		
ND = DL	2.32		2.32		ES PCB-155	71.7		
					ES PCB-156/157	75.4		
Totals					ES PCB-167	88		
Mono-CB	839,000			E	ES PCB-169	73.5		
Di-CB	171,000				ES PCB-170	109		
Tri-CB	33,300		33,300		ES PCB-180	116		
Tetra-CB	2,430		2,690		ES PCB-188	49.3		
Penta-CB	1,530		1,800		ES PCB-189	83.2		
Hexa-CB	1,780		2,120		ES PCB-202	59.8		
Hepta-CB	607		1,110		ES PCB-205	84.8		
Octa-CB	226				ES PCB-206	76.7		
Nona-CB	ND	39.5			ES PCB-208	96.6		
Deca-CB	ND	17			ES PCB-209	71.3		
					SS PCB-28	74.5		
Total PCB (Mono-Deca)	1,050,000		1,050,000	E	SS PCB-111	81.5		
					SS PCB-178	95.3		

Checkcode: 510-315-KTW/C

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Report Created: 23-Oct-2024 11:16 Analyst: JJ



Sample ID: Test #6						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_006-CU			Date Extracted: 01-Oct-2024		
Date Collected: 12-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 510-315-KTW/C			Time Analyzed: 06:32:42		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	91,200	E	PCB-19	(273)		PCB-54	(58.2)		PCB-72	(23.5)	
PCB-2	337,000	E	PCB-30/18	6,940	C	PCB-50/53	33.7	J C	PCB-68	(24.4)	
PCB-3	410,000	E	PCB-17	7,770		PCB-45	57.9	B	PCB-57	(23)	
			PCB-27	(185)		PCB-51	[16.4]	J B EMPC	PCB-58	(20.6)	
Conc.	839,000		PCB-24	2,460		PCB-46	18	J	PCB-67	(19.8)	
EMPC	839,000		PCB-16	2,590		PCB-52	255	B	PCB-63	[65.9]	EMPC
			PCB-32	1,230		PCB-73	(6.21)		PCB-61/70/74/76	681	B C
Di	Conc.	Qualifiers	PCB-34	[21.4]	EMPC	PCB-43	40		PCB-66	[98.8]	B EMPC
PCB-4	40,300		PCB-23	329		PCB-69/49	114	B C	PCB-55	(21.3)	
PCB-10	195		PCB-26/29	1,170	C	PCB-48	152		PCB-56	[16.9]	J EMPC
PCB-9	2,190		PCB-25	68.5		PCB-44/47/65	307	B C	PCB-60	166	
PCB-7	2,960		PCB-31	990		PCB-59/62/75	266	C	PCB-80	(22.5)	
PCB-6	2,390		PCB-28/20	6,080	C	PCB-42	59.3		PCB-79	(20.8)	
PCB-5	491		PCB-21/33	1,480	C	PCB-41	167		PCB-78	(25.1)	
PCB-8	72,400		PCB-22	113	B	PCB-71/40	[60.7]	B EMPC C	PCB-81	(22.7)	
PCB-14	1,290		PCB-36	(39.5)		PCB-64	110	B	PCB-77	(25.2)	
PCB-11	2,990	B	PCB-39	68.4							
PCB-13/12	8,800	C	PCB-38	1,440							
PCB-15	36,900		PCB-35	84.5							
			PCB-37	449							
Conc.	171,000		Conc.	33,300					Conc.	2,430	
EMPC	171,000		EMPC	33,300					EMPC	2,690	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		1,040,000		1,040,000	
						Tetra-Hexa		5,740		6,600	
						Hepta-Deca		832		1,340	
						Mono-Deca		1,050,000		1,050,000	

Sample ID: Test #6						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(19.7)		PCB-109/119/86/97/125/87	196	B C	PCB-155	(9.35)		PCB-165	(8.03)	
PCB-96	(17.7)		PCB-117	23.2		PCB-152	(7.77)		PCB-146	68.5	
PCB-103	(16)		PCB-116/85	44.4	B C	PCB-150	(8.8)		PCB-161	(6.78)	
PCB-94	(19)		PCB-110	270	B	PCB-136	[104]	EMPC	PCB-153/168	402	B C
PCB-95	277	B	PCB-115	(10.4)		PCB-145	(8.5)		PCB-141	[97.3]	EMPC
PCB-100/93	(17.1)	C	PCB-82	[17.4]	J EMPC	PCB-148	(8.41)		PCB-130	[20.6]	EMPC
PCB-102	(14.7)		PCB-111	(13.1)		PCB-151/135	216	B C	PCB-137	[24.1]	EMPC
PCB-98	(14.7)		PCB-120	(10.9)		PCB-154	(8.09)		PCB-164	38.4	
PCB-88	12.2	J	PCB-108/124	(13.8)	C	PCB-144	[23]	EMPC	PCB-163/138/129	392	B C
PCB-91	[35.3]	EMPC	PCB-107	19.8	J	PCB-147/149	428	C	PCB-160	(7.74)	
PCB-84	[51.7]	B EMPC	PCB-123	(14.1)		PCB-134	[27.8]	EMPC	PCB-158	43.9	
PCB-89	(16.7)		PCB-106	(12.8)		PCB-143	(8.78)		PCB-128/166	37.5	J B C
PCB-121	(11.2)		PCB-118	154	B	PCB-139/140	(8.6)	C	PCB-159	(10.4)	
PCB-92	[53]	B EMPC	PCB-122	(16.8)		PCB-131	(9.85)		PCB-162	(12.5)	
PCB-113/90/101	330	B C	PCB-114	46.2		PCB-142	(10.1)		PCB-167	17.3	J
PCB-83	(21.5)		PCB-105	[104]	B EMPC	PCB-132	141	B	PCB-156/157	[34.5]	J B EMPC C
PCB-99	161	B	PCB-127	(13.7)		PCB-133	(8.8)		PCB-169	(16.9)	
PCB-112	(10.4)		PCB-126	(17.9)							
			Conc.	1,530					Conc.	1,780	
			EMPC	1,800					EMPC	2,120	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(8.07)		PCB-174	[149]	B EMPC	PCB-202	24.7		PCB-208	(25.9)	
PCB-179	53.3		PCB-177	80.6		PCB-201	19	J	PCB-207	(25.9)	
PCB-184	(6.9)		PCB-181	(14.7)		PCB-204	(8.43)		PCB-206	(53.1)	
PCB-176	[46.2]	EMPC	PCB-171/173	[38.1]	J EMPC C	PCB-197	(9.05)				
PCB-186	(6.39)		PCB-172	[24.9]	EMPC	PCB-200	(9.99)		Conc.	0	
PCB-178	52.3		PCB-192	(12.6)		PCB-198/199	72.6	C	EMPC	0	
PCB-175	(16.8)		PCB-180/193	[238]	B EMPC C	PCB-196	37				
PCB-187	188	B	PCB-191	(14.6)		PCB-203	30.9		Deca	Conc.	Qualifiers
PCB-182	(12.8)		PCB-170	99.4		PCB-195	(14.3)		PCB-209	(17)	
PCB-183	118		PCB-190	15.6	J	PCB-194	41.5				
PCB-185	[11.3]	J EMPC	PCB-189	(13.7)		PCB-205	(13.8)				
			Conc.	607		Conc.	226				
			EMPC	1,110		EMPC	226				

Sample ID: Test #7


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_007-CU	Date Extracted:	01-Oct-2024	
Date Collected:	12-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	47.1				ES PCB-1	42.9		
PCB-81 344'5'-TeCB	23.7				ES PCB-3	61.7		
PCB-105 233'44'-PeCB	EMPC		233	B	ES PCB-4	59.2		
PCB-114 2344'5'-PeCB	43.9				ES PCB-15	102		
PCB-118 23'44'5'-PeCB	482			B	ES PCB-19	18.4		
PCB-123 23'44'5'-PeCB	ND	10.9			ES PCB-37	64.7		
PCB-126 33'44'5'-PeCB	ND	19.1			ES PCB-54	13	AS PCB-32	48.5
PCB-156/157 233'44'5'/233'44'5'-HxCB	85.5			B C	ES PCB-77	86.9	AS PCB-97	96
PCB-167 23'44'55'-HxCB	EMPC		26.4		ES PCB-81	79.3	AS PCB-159	122
PCB-169 33'44'55'-HxCB	ND	19.8			ES PCB-104	37.8		
PCB-189 233'44'55'-HpCB	ND	11.8			ES PCB-105	85.9		
					ES PCB-114	79.2		
TEQs (WHO 2005 M/H)					ES PCB-118	81.4		
					ES PCB-123	84.7		
ND = 0	0.0302		0.0379		ES PCB-126	66		
ND = 0.5 x DL	1.28		1.29		ES PCB-153	98.7		
ND = DL	2.53		2.54		ES PCB-155	82.8		
					ES PCB-156/157	85.5		
Totals					ES PCB-167	104		
Mono-CB	705,000			E	ES PCB-169	89.1		
Di-CB	157,000				ES PCB-170	113		
Tri-CB	27,600		28,600		ES PCB-180	115		
Tetra-CB	3,320		3,610		ES PCB-188	63.2		
Penta-CB	3,280		3,730		ES PCB-189	90.1		
Hexa-CB	4,370		4,540		ES PCB-202	74.9		
Hepta-CB	1,800		2,000		ES PCB-205	87		
Octa-CB	304		410		ES PCB-206	81.1		
Nona-CB	ND	29.1			ES PCB-208	99.1		
Deca-CB	ND	17.6			ES PCB-209	69.7		
					SS PCB-28	88.9		
Total PCB (Mono-Deca)	902,000		905,000	E	SS PCB-111	99.2		
					SS PCB-178	98.7		

Checkcode: 019-765-RLG/C

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Report Created: 23-Oct-2024 11:16 Analyst: JJ



Sample ID: Test #7						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_007-CU			Date Extracted: 01-Oct-2024		
Date Collected: 12-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 019-765-RLG/C			Time Analyzed: 07:31:24		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	71,100		PCB-19	(235)		PCB-54	(61.7)		PCB-72	(20.5)	
PCB-2	282,000	E	PCB-30/18	5,470	C	PCB-50/53	40.9	C	PCB-68	(21.3)	
PCB-3	352,000	E	PCB-17	6,230		PCB-45	66.5	B	PCB-57	(20.1)	
			PCB-27	[214]	EMPC	PCB-51	[17.9]	J B EMPC	PCB-58	(17.9)	
Conc.	705,000		PCB-24	1,720		PCB-46	18.5	J	PCB-67	(17.3)	
EMPC	705,000		PCB-16	1,700		PCB-52	400	B	PCB-63	75.1	
			PCB-32	[790]	EMPC	PCB-73	(8.35)		PCB-61/70/74/76	877	C
Di	Conc.	Qualifiers	PCB-34	(41)		PCB-43	35.2		PCB-66	241	B
PCB-4	35,300		PCB-23	300		PCB-69/49	145	B C	PCB-55	(18.6)	
PCB-10	141		PCB-26/29	1,150	C	PCB-48	167		PCB-56	58.5	
PCB-9	1,880		PCB-25	75.3		PCB-44/47/65	433	B C	PCB-60	[197]	EMPC
PCB-7	2,910		PCB-31	1,020		PCB-59/62/75	276	C	PCB-80	(19.6)	
PCB-6	2,300		PCB-28/20	6,070	C	PCB-42	[66.2]	EMPC	PCB-79	(18.2)	
PCB-5	361		PCB-21/33	1,420	C	PCB-41	185		PCB-78	(21.9)	
PCB-8	66,800		PCB-22	160	B	PCB-71/40	101	B C	PCB-81	23.7	
PCB-14	1,190		PCB-36	32		PCB-64	133	B	PCB-77	47.1	
PCB-11	3,280	B	PCB-39	68.1							
PCB-13/12	8,400	C	PCB-38	1,490							
PCB-15	34,400		PCB-35	124							
			PCB-37	541							
Conc.	157,000		Conc.	27,600					Conc.	3,320	
EMPC	157,000		EMPC	28,600					EMPC	3,610	
 <div>5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com</div>											
						Totals		Conc.		EMPC	
						Mono-Tri		889,000		890,000	
						Tetra-Hexa		11,000		11,900	
						Hepta-Deca		2,110		2,410	
						Mono-Deca		902,000		905,000	

Sample ID: Test #7						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(14.9)		PCB-109/119/86/97/125/87	378	B C	PCB-155	(9.37)		PCB-165	(7.51)	
PCB-96	(13.4)		PCB-117	23.8		PCB-152	(7.79)		PCB-146	134	
PCB-103	(12.4)		PCB-116/85	[86.4]	B EMPC C	PCB-150	(8.82)		PCB-161	(6.34)	
PCB-94	(14.7)		PCB-110	572	B	PCB-136	230		PCB-153/168	837	C
PCB-95	505	B	PCB-115	16	J	PCB-145	(8.52)		PCB-141	237	
PCB-100/93	(13.2)	C	PCB-82	55.2		PCB-148	(7.87)		PCB-130	66.2	
PCB-102	(11.4)		PCB-111	(10.1)		PCB-151/135	426	C	PCB-137	34.3	
PCB-98	(11.4)		PCB-120	(8.47)		PCB-154	[12]	J EMPC	PCB-164	[51.5]	EMPC
PCB-88	(13.7)		PCB-108/124	[19.9]	J EMPC C	PCB-144	[54.7]	EMPC	PCB-163/138/129	912	C
PCB-91	56.2		PCB-107	35.6		PCB-147/149	845	C	PCB-160	(7.24)	
PCB-84	128	B	PCB-123	(10.9)		PCB-134	62		PCB-158	83.2	
PCB-89	(13)		PCB-106	(9.91)		PCB-143	(8.22)		PCB-128/166	107	B C
PCB-121	(8.68)		PCB-118	482	B	PCB-139/140	[7.21]	J EMPC C	PCB-159	(13)	
PCB-92	[112]	B EMPC	PCB-122	(11.9)		PCB-131	17.9	J	PCB-162	(15.7)	
PCB-113/90/101	727	B C	PCB-114	43.9		PCB-142	(9.44)		PCB-167	[26.4]	EMPC
PCB-83	(16.6)		PCB-105	[233]	B EMPC	PCB-132	296		PCB-156/157	85.5	B C
PCB-99	257		PCB-127	(9.37)		PCB-133	[19.3]	J EMPC	PCB-169	(19.8)	
PCB-112	(8.02)		PCB-126	(19.1)							
			Conc.	3,280					Conc.	4,370	
			EMPC	3,730					EMPC	4,540	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(7.52)		PCB-174	287		PCB-202	33		PCB-208	(18)	
PCB-179	[100]	EMPC	PCB-177	127		PCB-201	[31.6]	EMPC	PCB-207	(18)	
PCB-184	(6.43)		PCB-181	(14.6)		PCB-204	(6.69)		PCB-206	(40.2)	
PCB-176	[52.7]	EMPC	PCB-171/173	72.2	C	PCB-197	(7.19)				
PCB-186	(5.95)		PCB-172	46.8		PCB-200	[24.5]	EMPC	Conc.	0	
PCB-178	66.9		PCB-192	(12.6)		PCB-198/199	116	C	EMPC	0	
PCB-175	(16.8)		PCB-180/193	465	B C	PCB-196	[49.5]	EMPC			
PCB-187	358		PCB-191	(14.5)		PCB-203	68.5		Deca	Conc.	Qualifiers
PCB-182	(12.8)		PCB-170	167		PCB-195	23.4		PCB-209	(17.6)	
PCB-183	179		PCB-190	33.9		PCB-194	63.4				
PCB-185	[47.1]	EMPC	PCB-189	(11.8)		PCB-205	(11.9)				
			Conc.	1,800		Conc.	304				
			EMPC	2,000		EMPC	410				

Sample ID: Field Blank


Client Data		Sample Data		Laboratory Data				
Name:	Mostardi-Platt	Matrix:	Air	Project No.:	B9935	Date Received:	17-Sep-2024	
Project ID:	M243009	Weight/Volume:	1	Sample ID:	B9935_21527_PCB_008-CU	Date Extracted:	01-Oct-2024	
Date Collected:	12-Sep-2024			QC Batch No.:	21527	Date Analyzed:	17-Oct-2024	
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	Standard	Recovery
	pg	pg	pg			%		%
PCB-77 33'44'-TeCB	ND	11.6			ES PCB-1	44.8		
PCB-81 344'5'-TeCB	ND	12			ES PCB-3	51.3		
PCB-105 233'44'-PeCB	EMPC		46.3	B	ES PCB-4	47.7		
PCB-114 2344'5'-PeCB	ND	6.79			ES PCB-15	65.6		
PCB-118 23'44'5'-PeCB	106			B	ES PCB-19	62		
PCB-123 23'44'5'-PeCB	ND	6.83			ES PCB-37	72.1		
PCB-126 33'44'5'-PeCB	ND	12			ES PCB-54	33	AS PCB-32	79.3
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		24.6	J B C	ES PCB-77	69.7	AS PCB-97	89.5
PCB-167 23'44'55'-HxCB	EMPC		7.55	J	ES PCB-81	69.8	AS PCB-159	109
PCB-169 33'44'55'-HxCB	ND	8.97			ES PCB-104	44.2		
PCB-189 233'44'55'-HpCB	ND	10.7			ES PCB-105	73.1		
					ES PCB-114	73.1		
					ES PCB-118	79		
					ES PCB-123	72.7		
TEQs (WHO 2005 M/H)					ES PCB-126	52.5		
ND = 0	0.00319		0.00554		ES PCB-153	89.1		
ND = 0.5 x DL	0.739		0.741		ES PCB-155	84.8		
ND = DL	1.47		1.48		ES PCB-156/157	90.2		
					ES PCB-167	90.5		
Totals					ES PCB-169	72.2		
Mono-CB	2,720				ES PCB-170	105		
Di-CB	1,460				ES PCB-180	114		
Tri-CB	331		456		ES PCB-188	56.1		
Tetra-CB	494		626		ES PCB-189	83.9		
Penta-CB	598		840		ES PCB-202	65.9		
Hexa-CB	587		796		ES PCB-205	89		
Hepta-CB	271		345		ES PCB-206	79.3		
Octa-CB	11.6		24.5		ES PCB-208	106		
Nona-CB	ND	31.3			ES PCB-209	77.1		
Deca-CB	ND	16			SS PCB-28	87.9		
					SS PCB-111	99		
Total PCB (Mono-Deca)	6,480		7,270		SS PCB-178	87.8		

Checkcode: 910-748-SRN/C

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Report Created: 23-Oct-2024 11:16 Analyst: JJ




Sample ID: Field Blank						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: 17-Sep-2024		
Project ID: M243009			Weight/Volume: 1			Sample ID: B9935_21527_PCB_008-CU			Date Extracted: 01-Oct-2024		
Date Collected: 12-Sep-2024			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 910-748-SRN/C			Time Analyzed: 08:30:05		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	279	B	PCB-19	[22.7]	EMPC	PCB-54	(8.49)		PCB-72	(12.4)	
PCB-2	886		PCB-30/18	65.5	B C	PCB-50/53	17.6	J C	PCB-68	(12.9)	
PCB-3	1,560		PCB-17	57.3	B	PCB-45	[37.1]	B EMPC	PCB-57	(12.1)	
			PCB-27	[12.2]	J EMPC	PCB-51	(6.94)		PCB-58	(10.8)	
Conc.	2,720		PCB-24	(9.79)		PCB-46	[4.93]	J EMPC	PCB-67	(10.4)	
EMPC	2,720		PCB-16	35.4		PCB-52	129	B	PCB-63	(13.3)	
			PCB-32	38.2	B	PCB-73	(6.07)		PCB-61/70/74/76	86.7	B C
Di	Conc.	Qualifiers	PCB-34	(18.8)		PCB-43	(8.03)		PCB-66	[39.7]	B EMPC
PCB-4	230	B	PCB-23	(17.4)		PCB-69/49	55.7	B C	PCB-55	(11.2)	
PCB-10	(19.8)		PCB-26/29	(17.8)	C	PCB-48	[10.5]	J B EMPC	PCB-56	[17.5]	J EMPC
PCB-9	20.8		PCB-25	12	J	PCB-44/47/65	146	B C	PCB-60	(13.7)	
PCB-7	15	J B	PCB-31	[54.7]	B EMPC	PCB-59/62/75	[5.94]	J EMPC C	PCB-80	(11.9)	
PCB-6	29.8	B	PCB-28/20	81.3	B C	PCB-42	[17]	J EMPC	PCB-79	(11)	
PCB-5	(16.3)		PCB-21/33	[35.2]	J B EMPC C	PCB-41	(11.2)		PCB-78	(13.2)	
PCB-8	216	B	PCB-22	27.7	B	PCB-71/40	29	J B C	PCB-81	(12)	
PCB-14	(15.6)		PCB-36	(15.3)		PCB-64	30.1	B	PCB-77	(11.6)	
PCB-11	810	B	PCB-39	(17.2)							
PCB-13/12	56.1	C	PCB-38	(16.8)							
PCB-15	88	B	PCB-35	(17.7)							
			PCB-37	13.8	J						
Conc.	1,460		Conc.	331					Conc.	494	
EMPC	1,460		EMPC	456					EMPC	626	
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						Totals		Conc.		EMPC	
						Mono-Tri		4,520		4,640	
						Tetra-Hexa		1,680		2,260	
						Hepta-Deca		283		369	
						Mono-Deca		6,480		7,270	

Sample ID: Field Blank						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(11.1)		PCB-109/119/86/97/125/87	99	J B C	PCB-155	(7.02)		PCB-165	(8.31)	
PCB-96	(9.94)		PCB-117	[5.48]	J EMPC	PCB-152	(5.84)		PCB-146	24.1	
PCB-103	(7.78)		PCB-116/85	20.4	J B C	PCB-150	(6.61)		PCB-161	(7.01)	
PCB-94	(9.22)		PCB-110	161	B	PCB-136	[28.3]	EMPC	PCB-153/168	142	B C
PCB-95	[110]	B EMPC	PCB-115	(5.03)		PCB-145	(6.39)		PCB-141	[40.3]	EMPC
PCB-100/93	(8.29)	C	PCB-82	[12.7]	J EMPC	PCB-148	(8.71)		PCB-130	[11.7]	J EMPC
PCB-102	(7.14)		PCB-111	(6.35)		PCB-151/135	77.4	B C	PCB-137	(10.5)	
PCB-98	(7.14)		PCB-120	(5.32)		PCB-154	(8.38)		PCB-164	(7.62)	
PCB-88	(8.59)		PCB-108/124	(6.72)	C	PCB-144	[10.6]	J EMPC	PCB-163/138/129	190	B C
PCB-91	17.2	J	PCB-107	(5.99)		PCB-147/149	153	B C	PCB-160	(8.01)	
PCB-84	49.5	B	PCB-123	(6.83)		PCB-134	(13)		PCB-158	[13.3]	J EMPC
PCB-89	(8.14)		PCB-106	(6.22)		PCB-143	(9.09)		PCB-128/166	[22.7]	J B EMPC C
PCB-121	(5.45)		PCB-118	106	B	PCB-139/140	(8.89)	C	PCB-159	(5.1)	
PCB-92	[25.1]	B EMPC	PCB-122	(7.84)		PCB-131	(10.2)		PCB-162	(6.14)	
PCB-113/90/101	145	B C	PCB-114	(6.79)		PCB-142	(10.4)		PCB-167	[7.55]	J EMPC
PCB-83	(10.4)		PCB-105	[46.3]	B EMPC	PCB-132	[50.1]	B EMPC	PCB-156/157	[24.6]	J B EMPC C
PCB-99	[42.3]	B EMPC	PCB-127	(6.01)		PCB-133	(9.1)		PCB-169	(8.97)	
PCB-112	(5.04)		PCB-126	(12)							
			Conc.	598					Conc.	587	
			EMPC	840					EMPC	796	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(7.05)		PCB-174	[44.8]	B EMPC	PCB-202	11.6	J	PCB-208	(20.6)	
PCB-179	[28.8]	EMPC	PCB-177	25.5		PCB-201	(8.5)		PCB-207	(20.6)	
PCB-184	(6.03)		PCB-181	(11.7)		PCB-204	(7.36)		PCB-206	(41.9)	
PCB-176	(6.47)		PCB-171/173	(13.7)	C	PCB-197	(7.9)				
PCB-186	(5.58)		PCB-172	(14.2)		PCB-200	(8.72)		Conc.	0	
PCB-178	(8.65)		PCB-192	(10.1)		PCB-198/199	[13]	J EMPC C	EMPC	0	
PCB-175	(13.5)		PCB-180/193	87.5	B C	PCB-196	(12.1)				
PCB-187	70.9	B	PCB-191	(11.7)		PCB-203	(9.91)		Deca	Conc.	Qualifiers
PCB-182	(10.2)		PCB-170	47		PCB-195	(9.71)		PCB-209	(16)	
PCB-183	40.4		PCB-190	(13)		PCB-194	(9.87)				
PCB-185	(13.1)		PCB-189	(10.7)		PCB-205	(9.36)				
			Conc.	271		Conc.	11.6				
			EMPC	345		EMPC	24.5				

Checkcode: 037-401-WYT/C SGS North America - PCB v0.99 Report Created: 23-Oct-2024 11:14 Analyst: JJ



Sample ID: Method Blank B9935_21527						Method 1668C					
Client Data			Sample Data			Laboratory Data					
Name: Mostardi-Platt			Matrix: Air			Project No.: B9935			Date Received: n/a		
Project ID: M243009			Weight/Volume: 1			Sample ID: MB1_21527_PCB_SDS-CU			Date Extracted: 01-Oct-2024		
Date Collected: n/a			Units: pg			QC Batch No.: 21527			Date Analyzed: 17-Oct-2024		
						Checkcode: 037-401-WYT/C			Time Analyzed: 00:40:32		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	[42.8]	EMPC	PCB-19	(30.7)		PCB-54	(19.3)		PCB-72	(23.7)	
PCB-2	86.5		PCB-30/18	46.2	C	PCB-50/53	(18.4)	C	PCB-68	(24.7)	
PCB-3	112		PCB-17	[35.8]	EMPC	PCB-45	[6.87]	J EMPC	PCB-57	(23.2)	
			PCB-27	(20.8)		PCB-51	14.8	J	PCB-58	(20.8)	
Conc.	198		PCB-24	(20.4)		PCB-46	(23.1)		PCB-67	(20)	
EMPC	241		PCB-16	(27.5)		PCB-52	93.3		PCB-63	(25.4)	
			PCB-32	28.6		PCB-73	(13.9)		PCB-61/70/74/76	[83.7]	EMPC C
Di	Conc.	Qualifiers	PCB-34	(38)		PCB-43	(18.5)		PCB-66	29.6	
PCB-4	101		PCB-23	(35.2)		PCB-69/49	36.4	J C	PCB-55	(21.5)	
PCB-10	(17)		PCB-26/29	(36)	C	PCB-48	[8.86]	J EMPC	PCB-56	(22.6)	
PCB-9	(17.8)		PCB-25	(29.3)		PCB-44/47/65	[75.2]	EMPC C	PCB-60	(26.2)	
PCB-7	18.8	J	PCB-31	[35.8]	EMPC	PCB-59/62/75	(15.1)	C	PCB-80	(22.7)	
PCB-6	15.1	J	PCB-28/20	[46.4]	EMPC C	PCB-42	(21.3)		PCB-79	(21)	
PCB-5	(20.3)		PCB-21/33	[31.5]	J EMPC C	PCB-41	(25.8)		PCB-78	(25.4)	
PCB-8	52.8		PCB-22	[19.3]	J EMPC	PCB-71/40	[21.7]	J EMPC C	PCB-81	(22.9)	
PCB-14	(19.3)		PCB-36	(31)		PCB-64	23.9		PCB-77	(21.1)	
PCB-11	574		PCB-39	(34.7)							
PCB-13/12	(19.4)	C	PCB-38	(34)							
PCB-15	15.7	J	PCB-35	(35.7)							
			PCB-37	(33.5)							
Conc.	778		Conc.	74.8					Conc.	198	
EMPC	778		EMPC	244					EMPC	394	
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						Totals		Conc.		EMPC	
						Mono-Tri		1,050		1,260	
						Tetra-Hexa		595		1,130	
						Hepta-Deca		18.8		93.6	
						Mono-Deca		1,670		2,490	

Sample ID: Method Blank B9935_21527						Method 1668C					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(22.2)		PCB-109/119/86/97/125/87	[60.3]	J EMPC C	PCB-155	(11.9)		PCB-165	(11.7)	
PCB-96	(20)		PCB-117	(14.2)		PCB-152	(9.89)		PCB-146	(11.6)	
PCB-103	(17.1)		PCB-116/85	[12.2]	J EMPC C	PCB-150	(11.2)		PCB-161	(9.9)	
PCB-94	(20.3)		PCB-110	87		PCB-136	(12.4)		PCB-153/168	47.4	C
PCB-95	[60.8]	EMPC	PCB-115	(11.1)		PCB-145	(10.8)		PCB-141	(14.5)	
PCB-100/93	(18.2)	C	PCB-82	(19)		PCB-148	(12.3)		PCB-130	(17.6)	
PCB-102	(15.7)		PCB-111	(14)		PCB-151/135	30.3	J C	PCB-137	(14.8)	
PCB-98	(15.7)		PCB-120	(11.7)		PCB-154	(11.8)		PCB-164	(10.8)	
PCB-88	(18.9)		PCB-108/124	(14.8)	C	PCB-144	(13.1)		PCB-163/138/129	68.2	C
PCB-91	(18.1)		PCB-107	(13.2)		PCB-147/149	[29.6]	J EMPC C	PCB-160	(11.3)	
PCB-84	[26.3]	EMPC	PCB-123	(15)		PCB-134	(18.3)		PCB-158	(10.6)	
PCB-89	(17.9)		PCB-106	(13.7)		PCB-143	(12.8)		PCB-128/166	[16.1]	J EMPC C
PCB-121	(12)		PCB-118	54.4		PCB-139/140	(12.6)	C	PCB-159	(11.2)	
PCB-92	13.1	J	PCB-122	(16.7)		PCB-131	(14.4)		PCB-162	9.53	J
PCB-113/90/101	87.4	C	PCB-114	(14.5)		PCB-142	(14.7)		PCB-167	(14)	
PCB-83	(22.9)		PCB-105	[23.8]	EMPC	PCB-132	[22.2]	EMPC	PCB-156/157	[26.7]	J EMPC C
PCB-99	[21.4]	EMPC	PCB-127	(16.5)		PCB-133	(12.9)		PCB-169	[39.6]	EMPC
PCB-112	(11.1)		PCB-126	(25.5)							
			Conc.	242					Conc.	155	
			EMPC	447					EMPC	290	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(14.4)		PCB-174	[23]	EMPC	PCB-202	(12.6)		PCB-208	(27.6)	
PCB-179	(11.3)		PCB-177	(16.2)		PCB-201	(13.4)		PCB-207	(27.6)	
PCB-184	(12.3)		PCB-181	(15.4)		PCB-204	(11.6)		PCB-206	(47.8)	
PCB-176	(13.2)		PCB-171/173	(18)	C	PCB-197	(12.5)				
PCB-186	(11.4)		PCB-172	(18.6)		PCB-200	(13.7)		Conc.	0	
PCB-178	(17.7)		PCB-192	(13.2)		PCB-198/199	(16.3)	C	EMPC	0	
PCB-175	(17.6)		PCB-180/193	[51.9]	EMPC C	PCB-196	(19)				
PCB-187	18.8	J	PCB-191	(15.3)		PCB-203	(15.6)		Deca	Conc.	Qualifiers
PCB-182	(13.4)		PCB-170	(21.3)		PCB-195	(16.1)		PCB-209	(23.8)	
PCB-183	(15.4)		PCB-190	(15.5)		PCB-194	(16.4)				
PCB-185	(17.1)		PCB-189	(17.9)		PCB-205	(15.5)				
			Conc.	18.8		Conc.	0				
			EMPC	93.6		EMPC	0				



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: 17-Sep-24 at 10:20
AP Project name: B9935
Requested TAT: 30 business days
Projected due date: 29-Oct-24
Matrix: Air - M23
Phone#: 910-794-1613
Email Address: Tamara.Burkamper@sgs.com

Company Contact: Jenna Ghanma
Company: Mostardi-Platt
Project Name & Site: M243009
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	B9935_001	Filter #1, T4616_009, Impinger catch and wash, Impinger catch and wash, Ace/Tol.	10-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW
Test #2	B9935_002	Filter #1, T4616_010, Impinger catch and wash, Impinger catch and wash, Ace/Tol.	10-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW
Test #3	B9935_003	Filter #1, T4616_006, Impinger catch and wash, Impinger catch and wash, Ace/Tol.	11-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW
Test #4	B9935_004	Filter #1, T4616_005, Impinger catch and wash, Impinger catch and wash, Ace/Tol.	11-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW
Test #5	B9935_005	Filter #1, T4616_002, Impinger catch and wash, Impinger catch and wash, Ace/Tol.	11-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW
Test #6	B9935_006	Filter #1, T4616_007, Impinger catch and wash, Impinger catch and wash, Ace/Tol.	12-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW
Test #7	B9935_007	Filter #1, T4616_003, Impinger catch and wash, Impinger catch and wash, Ace/Tol.	12-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW
Field Blank	B9935_008	Filter #1, T4616_004, Impinger catch and wash, Ace/Tol.	12-Sep-24	n/a	14.8, 18.7	12.2	1, 2, 3	1Z 9AW 295 01 5775 7103,1Z 9AW

Sample Seals Intact:	No	Sample(s) Condition:	Intact	<div>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.</div>
Notes/Comments:				
Field Blank filter arrived broken. It was put into a new petri dish and proceeded with login. Field Blank traps end is broken, resin is not compromised. Proceeded with login after taping up the end.				

Received by: Gisselle Bautista Remigio Logged in by: Gisselle Bautista Remigio

QC'ed by: AK 19 Sep 24

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


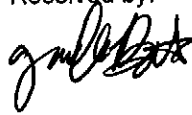
http://www.sgs.com/terms_and_conditions.htm

SGS North America

B9935

+13az
9/16/24

Chain-of-Custody Form

Project Number: M243009				Date Results Required:		
Client: Holcim (US) Inc.				TAT Required:		
Plant/Test Location: Paulding Cement Plant/Kiln 1				Project Supervisor: EE		
Sample Number	Sample Date	Sample Point Identification	# of Conts	Sub Lab	Analysis Required	Volume, mls
001	9/10/24	#1 M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
002	9/10/24	#1 M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
003	9/10/24	#2 M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
004	9/10/24	#2 M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
005	9/11/24	#3 M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
006	9/11/24	#3 M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
007	9/11/24	#4 M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
008	9/11/24	#4 M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
009	9/11/24	#5 M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
010	9/11/24	#5 M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
011	9/12/24	#6 M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
012	9/12/24	#6 M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
013	9/12/24	#7 M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
014	9/12/24	#7 M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
015	9/12/24	Field Blank M23 Acetone/Toluene Wash, Filter, Trap	3	SGS W	M23 – PCB/PAHs only	
016	9/12/24	Field Blank M23 Impinger catch and washes	1	SGS W	M23 – PCB/PAHs only	
017	9/12/24	Acetone Reagent Blank	1		Hold @ MP	
018	9/12/24	Toluene Reagent Blank	1		Hold @ MP	
Delivered to Lab by: Eric Ehlers Date/Time: 9/12/24 – 19:00 			Received by:  Date/Time: 10:20 9/17/24		Processed by: _____ Date/Time: _____	

14.8°, 18.7°, 12.2°

B9935

Type & Quantity of Sampling Modules	SGS Sampling Module Request Form	Client Information
Qty. XAD Traps: <u>10</u>	Trap Order #: T4616	Company: <u>Mostardi-Platt</u>
Resin Batch No.: <u>SPC5-277</u>		Contact: <u>Jenna Ghanma</u>
Qty. PUF: <u>n/a</u>		Email: <u>JGhanma@mp-mail.com</u>
PUF Batch No.: <u>n/a</u>		Phone: <u>630-993-2685</u>
Filter Size: <u>82.6 mm</u>		Project Name: <u>Paulding/PCB-and PAH Testing</u>
Qty. Filter: <u>12</u>		PO#: <u>tbd</u>
Filter Batch #: <u>18023003</u>		Order Date: <u>30-Aug-24</u>
Qty. Petri Dishes: <u>10</u>		Arrival Date: <u>5-Sep-24</u>
# of BCS3 & MB: <u>1</u>		Ship To: <u>Mostardi-Platt</u>
	Following sample recovery, please return this form with the field samples to: <u>5500 Business Dr.</u> <u>Wilmington, NC 28405</u> <u>Ph.: 910-794-1613</u> <u>Fax.: 910-794-3919</u>	<u>Jenna Ghanma</u> <u>888 Industrial Drive</u> <u>Elmhurst, IL 60126</u> <u>USA</u> <u>JGhanma@mp-mail.com</u> <u>630-993-2685</u>
Client Specific Instructions <u>use rental traps as needed</u> <u>email tracking number</u>		All PROJECTS ARE SHIPPED PRIORITY OVERNIGHT VIA FEDEX
Other Requirements		
Spike Profile Vol. PCDD/F : 40µL	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 PCB, PAH
Solution ID: <u>N/A</u> Amount: <u>1.6-4 ng</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	Additional Information
Vial ID: <u>N/A</u> Expiration: <u></u>		AP Rental Traps Qty.: <u>10</u>
Vol. HR_PAH: 80 µL (40ng)		Air Bill #: <u></u>
Solution ID: <u>PAH 55</u> Amount: <u>0.5 ng/µL</u>		# Containers: <u></u>
Vial ID: <u>27-97-1</u> Expiration: <u>7/15/25</u>		Ship Date: <u>4-Sep-24</u>
Vol. HR_PCB: 40 µL (4ng)	Spike By: <u>JB 9/4/24</u>	
Solution ID: <u>PCB C5/55</u> Amount: <u>0.1 ng/µL</u>	Witness: <u>NO 9/4/24</u>	
Vial ID: <u>27-113-2</u> Expiration: <u>7/15/25</u>	Pipette ID: <u>C448142</u>	

Ref:
Dep:
Date: 04SEP24
Wgt: 17.15 LBS
SHIPPING: 46.26
SPECIAL: 7.52
HANDLING: 0.00
TOTAL: 53.78
Sves: PRIORITY OVERNIGHT
TCK: 7343 5926 5456
DV:
0.00

SHIPPING DEPT.
630) 993-2100
MOSTARDI PLATT
888 INDUSTRIAL DRIVE
ELMHURST IL 60126

18 LBS

3 OF 3

DWT: 17,11,14

SHIP TO:

TAMARA BURKAMPER
(910) 350-1903
SGS WILMINGTON
5500 BUSINESS DRIVE
WILMINGTON NC 28405

NC 284 0-01



UPS NEXT DAY AIR

1

TRACKING #: 1Z 9AW 295 01 5775 7103



BILLING: P/P

REF 1:M243009

WS 27.0.36 Zebra ZP 460 37.0A 09/2024

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RSD #2 1223

①

B 9935

SHIPPING DEPT.
630) 993-2100
MOSTARDI PLATT
888 INDUSTRIAL DRIVE
ELMHURST IL 60126

50 LBS

2 OF 3

DWT: 24,14,16

SHIP TO:

TAMARA BURKAMPER
(910) 350-1903
SGS WILMINGTON
5500 BUSINESS DRIVE
WILMINGTON NC 28405

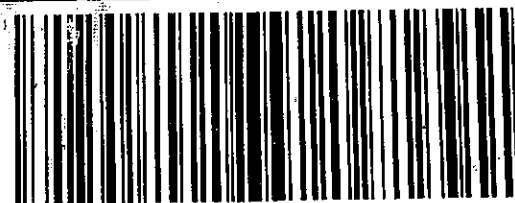
NC 284 0-01



UPS NEXT DAY AIR

1

TRACKING #: 1Z 9AW 295 01 5639 3294



BILLING: P/P

②

REF 1:M243009

WS 27.0.36 Zebra ZP 460 37.0A 09/2024

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RSD #2 1223

SHIPPING DEPT.
(630) 993-2100
MOSTARDI PLATT
888 INDUSTRIAL DRIVE
ELMHURST IL 60126

LBS

1 OF 3

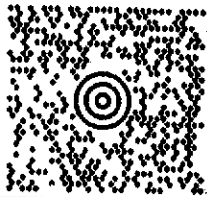
DWT: 24,14,14

B9935

SHIP TO:

TAMARA BURKAMPER
(910) 350-1903
SGS WILMINGTON
5500 BUSINESS DRIVE
WILMINGTON NC 28405

9/17/14
10:20
18.7'



NC 284 0-01



UPS NEXT DAY AIR

TRACKING #: 1Z 9AW 295 01 5633 6882

1



BILLING: P/P

REF 1:M243009

WS 27.0.36 Zulu 27 450 37.0A 00/2024



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RRD 012 1223

3



Project Initiation Form

Project Number: B9935

Initiation Date: 19-Sep-24

Client Name: Mostardi-Platt

Sample Matrix: Air - M23

Analysis Method: 1668C

TAT: 30 days

PAH

Project Manager: Tamara

Special Instructions

M1668C, PAH
BCS3 - T4616

Follow new M23 guidelines

Reporting Instructions

M1668C, PAH
Full Report

follow new M23 SOP

Read & understood Special Instructions:

Reviewed Log-in & initiated Project:

Initial & Date: WW 10/1/24

Initials: akornegay Date: 19-Sep-2024

Read & understood Special Instructions & Reporting Instructions:

Initial & Date: RF 10/1/24 jl 10/21/24

Batch#	21527	Bal. ID: 7	Split: 12/1/4 N/A	Extract Initial/Date: 10/1/24	Clean-up Initial/Date: AG 10/11/24	Transfer Init/Date: AG 10/12/24
Lab Sample ID	Extraction Position	Extraction Weight/Volume	pH	Cl ⁻	Observations	Supply Lot #
	Solvent: HEx, Dm	g mL				
B9935_21527_001	29					Toluene
B9935_21527_002	30					MeCHL
B9935_21527_003	31					Florisil
B9935_21527_004	32					Hexane
B9935_21527_005	33					Silica
B9935_21527_006	34					S Nitrate
B9935_21527_007	35					Base Silica
B9935_21527_008	36					HydroMatrix
BCS3_21527	1					Tetradecane
MB1_21527	28					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: 1525 Stop: 0850
						DCM Start: 1525 Stop: 0915
						Chiller Temp. °C: 11.1/11.1
						CCLE Temp. °F: 160
						TurboVap Temp. °C: 46
						Soxhlet Reflux Rate ≥ 5/hour
						N NA

SGS

Methods:

PCB

PCDD/F

QUANTICS

DoD PCDD/F

PAH

WHO-2

USV

PEST

Air

Batch# 21527

Inter-Department Communication Sheet

PAH: BCS3 had some failures. CS3 passed. Using ICA6 to quant samples. DTP 10/15/24
- Extracts were yellow in color and had a heavy fuel smell. Ran everything @ a P10
and still had heavy saturations. DTP 10/15/24

PCB: Quantitative interference in extracts caused the failure of data
acquisition ; ending resolution test. will send back for mini-acid column
cleanup and acquire extracts with a dilution of 10/15/24

10/18/24

Air

Batch#	21527
--------	-------

Balance ID:

Observations Sheet

[illegible]

Batch #

21527

Spiker Initials/Date:

WW 10/11/24

WW 10/11/24

WW 10/11/24

AG 10/11/24

Lab Sample ID

PAH Ax

PAH ES

PAH AS

PAH JS

Amount: 80µL

Amount: 80µL

Amount: 80µL

Amount: 80µL

Amount:

Amount:

Amount:

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

B9935_21527_001

—

WW

WW

AG

B9935_21527_002

—

WW

WW

AG

B9935_21527_003

—

WW

WW

AG

B9935_21527_004

—

WW

WW

AG

B9935_21527_005

—

WW

WW

AG

B9935_21527_006

—

WW

WW

AG

B9935_21527_007

—

WW

WW

AG

B9935_21527_008

—

WW

WW

AG

BCS3_21527

WW

WW

WW

AG

MB1_21527

—

WW

WW

AG

Standard Information

AG 10/11/24

Pipette ID

43785354

43785354

43785354

43785354

Spike ID

PAH Ax

PAH ES

PAH AS

PCB JS

PAH JS

SIL #

27-76-3

27-109-2

27-77-1

27-73-3

27-82-1

Concentration

500 µg/L

500 µg/L

500 µg/L

100 µg/L

125 µg/L

Expiration Date

1/26/25

7/3/25

12/6/24

1/9/25

2/13/25

Batch #

21527

Spiker Initials/Date:

WW 10/11/24

WW 10/11/24

WW 10/11/24

AG 10/11/24

Lab Sample ID

PCB 209 Ax

PCB ES

PCB AS

PCB JS

Amount: 40µl

Amount: 40µl

Amount: 40µl

Amount: 20µl

Amount:

Amount:

Amount:

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

Observer Initials

B9935_21527_001

—

WW

WW

AG

B9935_21527_002

—

WW

WW

AG

B9935_21527_003

—

WW

WW

AG

B9935_21527_004

—

WW

WW

AG

B9935_21527_005

—

WW

WW

AG

B9935_21527_006

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B9935_21527_007

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B9935_21527_008

—

WW

WW

AG

BCS3_21527

WW

WW

WW

AG

MB1_21527

—

WW

WW

AG

AG 10/22/24

Standard Information

Pipette ID

43785354

43785354

43785354

G25727

Spike ID

PCB 209 Ax

PCB ES

PCB AS

PCB JS

SIL #

27-98-1

27-113-1

27-87-2

27-73-3

Concentration

50 µg/L

100 µg/L

100 µg/L

100 µg/L

Expiration Date

6/4/25

7/15/25

5/1/25

1/9/25

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
10	241014V10	5	CS3_241014_PAH_VB	1.00	27-80-3	DTF	500-952	14-Oct-2024	16:21:34
11	241014V11	81	BCS3_21527_PAH_VA	1.00	BCS3_21527_PAH_VA	DTF	960-547	14-Oct-2024	17:08:18
12	241014V12	4	SB_241014_PAH_VA	1.00	Isooctane	DTF	093-066	14-Oct-2024	17:55:02
13	241014V13	82	MB1_21527_PAH_SDS	1.00	Method Blank	DTF	371-412	14-Oct-2024	18:41:45
14	241014V14	90	B9935_21527_PAH_008	1.00	Field Blank	DTF	247-726	14-Oct-2024	19:28:27
15	241014V16	83	B9935_21527_PAH_001-D10	1.00	Test #1	DTF	978-511	14-Oct-2024	21:01:53
16	241014V17	84	B9935_21527_PAH_002-D10	1.00	Test #2	DTF	052-413	14-Oct-2024	21:48:35
17	241014V18	85	B9935_21527_PAH_003-D10	1.00	Test #3	DTF	427-993	14-Oct-2024	22:35:19
18	241014V19	86	B9935_21527_PAH_004-D10	1.00	Test #4	DTF	309-009	14-Oct-2024	23:22:02
19	241014V20	87	B9935_21527_PAH_005-D10	1.00	Test #5	DTF	772-516	15-Oct-2024	00:08:43
20	241014V21	88	B9935_21527_PAH_006-D10	1.00	Test #6	DTF	395-151	15-Oct-2024	00:55:25
21	241014V22	89	B9935_21527_PAH_007-D10	1.00	Test #7	DTF	322-773	15-Oct-2024	01:42:09
23	241014V23	4	SB_241014_PAH_VB	1.00	Isooctane	DTF	399-662	15-Oct-2024	02:28:51
24	241014V24	81	BCS3_21527_PAH_VB	1.00	BCS3_21527_PAH_VB	DTF	750-511	15-Oct-2024	03:15:33

REVIEWED

Tyler_Fritz , 10/15/2024, 11:41:54 AM

REVIEWED

Carla_Lyon , 10/17/2024, 8:43:01 AM

Datafile: 241014V13
Acquired: 14 Oct 2024 18:41:45

Client ID: Method Blank B9935_21527
Lab ID: MB1_21527_PAH_SDS

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: 371-412-MST						
Largest +ve RT shift (secs)		1.2	0.6								
Largest -ve RT shift (secs)		-1.5	-1.2								
Name	Actual		Pred	Actual	Diff	Response	Ra	Conc			
	RT	QC	RRT	RRT	Secs			RRF	ng/Train	Noise	DL
Naphthalene	10.43	E	1.0005	1.0011	+0.4	6.68E+08	-	0.99	706	8.22E+04	0.54100
2-Methylnaphthalene	13.00		1.0004	1.0000	-0.3	7.60E+07	-	1.01	106	2.30E+04	0.16000
Acenaphthylene	15.96		1.0006	1.0000	-0.6	1.60E+07	-	0.92	24.3	4.44E+04	0.35100
Acenaphthene	16.53		1.0005	1.0005	0	4.85E+06	-	1.01	9.59	4.92E+04	0.47800
Fluorene	18.12		1.0005	1.0000	-0.5	5.98E+06	-	1.02	8.63	1.72E+04	0.12300
Phenanthrene	20.85		1.0004	1.0004	0	3.46E+07	-	1.00	28.3	2.31E+04	0.09110
Anthracene	20.99	J	1.0000	1.0004	+0.5	3.34E+06	-	1.23	2.57	2.31E+04	0.08510
Fluoranthene	23.97		1.0000	1.0000	0	8.69E+06	-	0.92	7.52	2.98E+04	0.12000
Pyrene	24.56		1.0000	1.0000	0	1.66E+07	-	0.98	13	2.98E+04	0.11700
Benzo (a) Anthracene	27.64	J	1.0000	1.0000	0	2.12E+05	-	1.00	0.232	1.01E+04	0.06520
Chrysene	27.75	J	1.0003	1.0000	-0.5	5.41E+05	-	1.01	0.473	1.01E+04	0.05820
Benzo (b) Fluoranthene	31.30	J	1.0000	1.0005	+0.9	2.46E+05	-	0.98	0.388	9.87E+03	0.12500
Benzo (k) Fluoranthene	31.38	J	1.0003	0.9997	-1.1	1.26E+05	-	0.92	0.181	9.87E+03	0.13500
Benzo (e) Pyrene	32.45	J	1.0000	1.0000	0	4.14E+05	-	0.98	0.606	9.87E+03	0.13200
Benzo (a) Pyrene	32.70	J	0.9997	1.0003	+1.2	1.99E+05	-	0.98	0.446	9.87E+03	0.24000
Perylene	-		1.0039	0.0000		0.00E+00	-	1.06	ND	9.87E+03	0.28900
Indeno (1,2,3-cd) Pyrene	38.98	J	1.0004	0.9998	-1.4	1.28E+05	-	0.92	0.43	7.39E+03	0.45000
Dibenzo (a,h) Anthracene	-		1.0007	0.0000		0.00E+00	-	0.94	ND	5.71E+03	0.46300
Benzo (ghi) Perylene	40.83	J	1.0006	1.0000	-1.5	7.06E+05	-	0.97	1.35	7.39E+03	0.31800

Datafile: 241014V13

Client ID: Method Blank B9935_21527

Wt/Vol: 1.00 Train

MM6_PAH_ICAL_05MAR2024

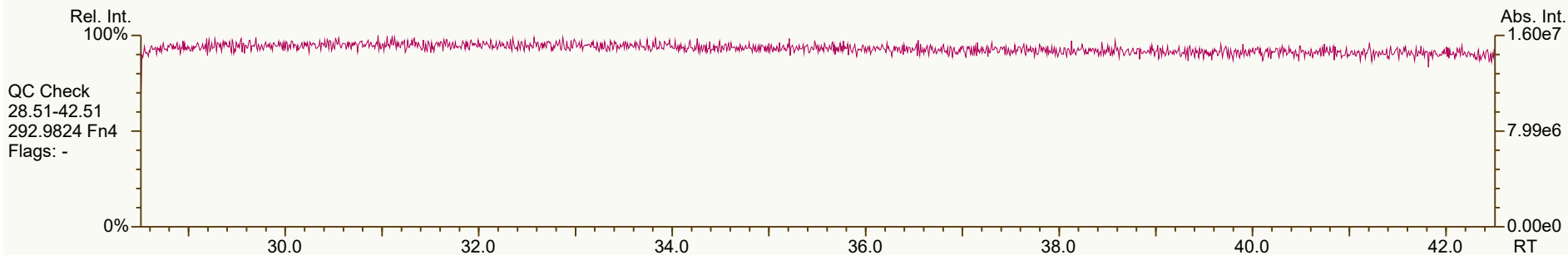
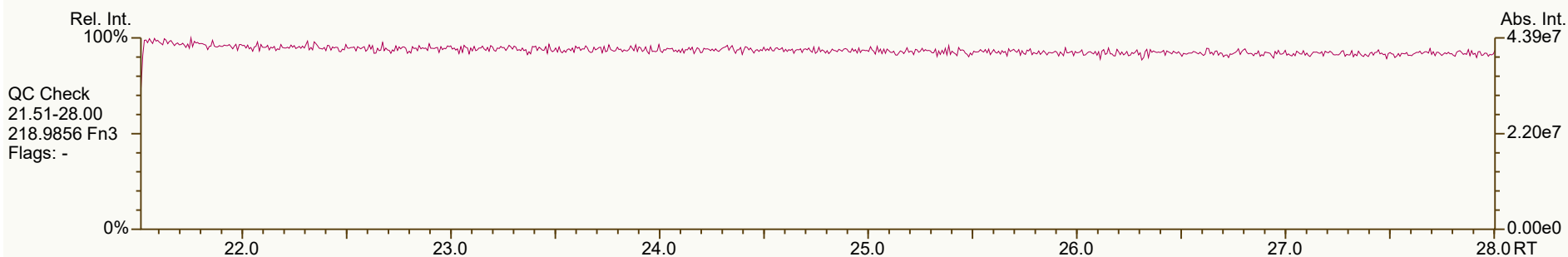
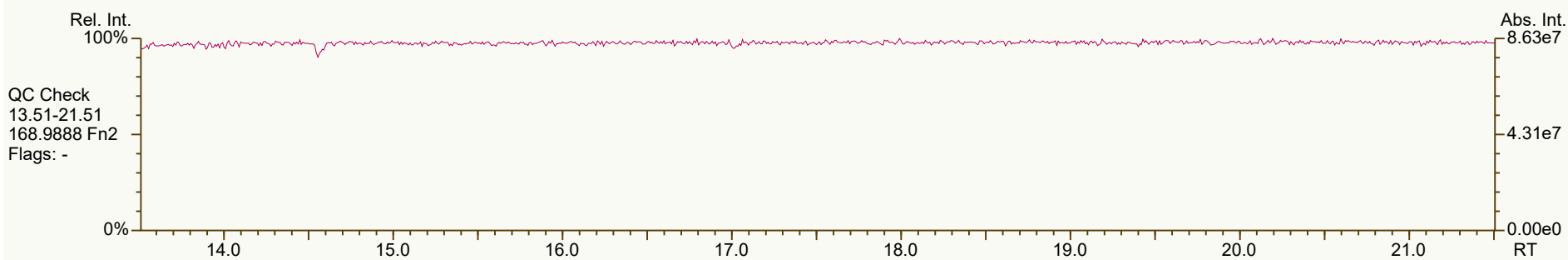
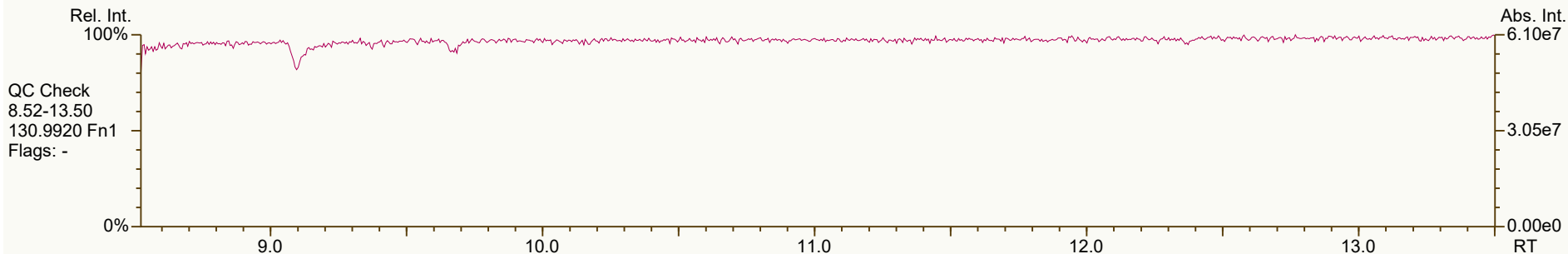
Acquired: 14 Oct 2024 18:41:45

Lab ID: MB1_21527_PAH_SDS

J Level: 4 ng/Train

Nominal ES spike: 40 ng

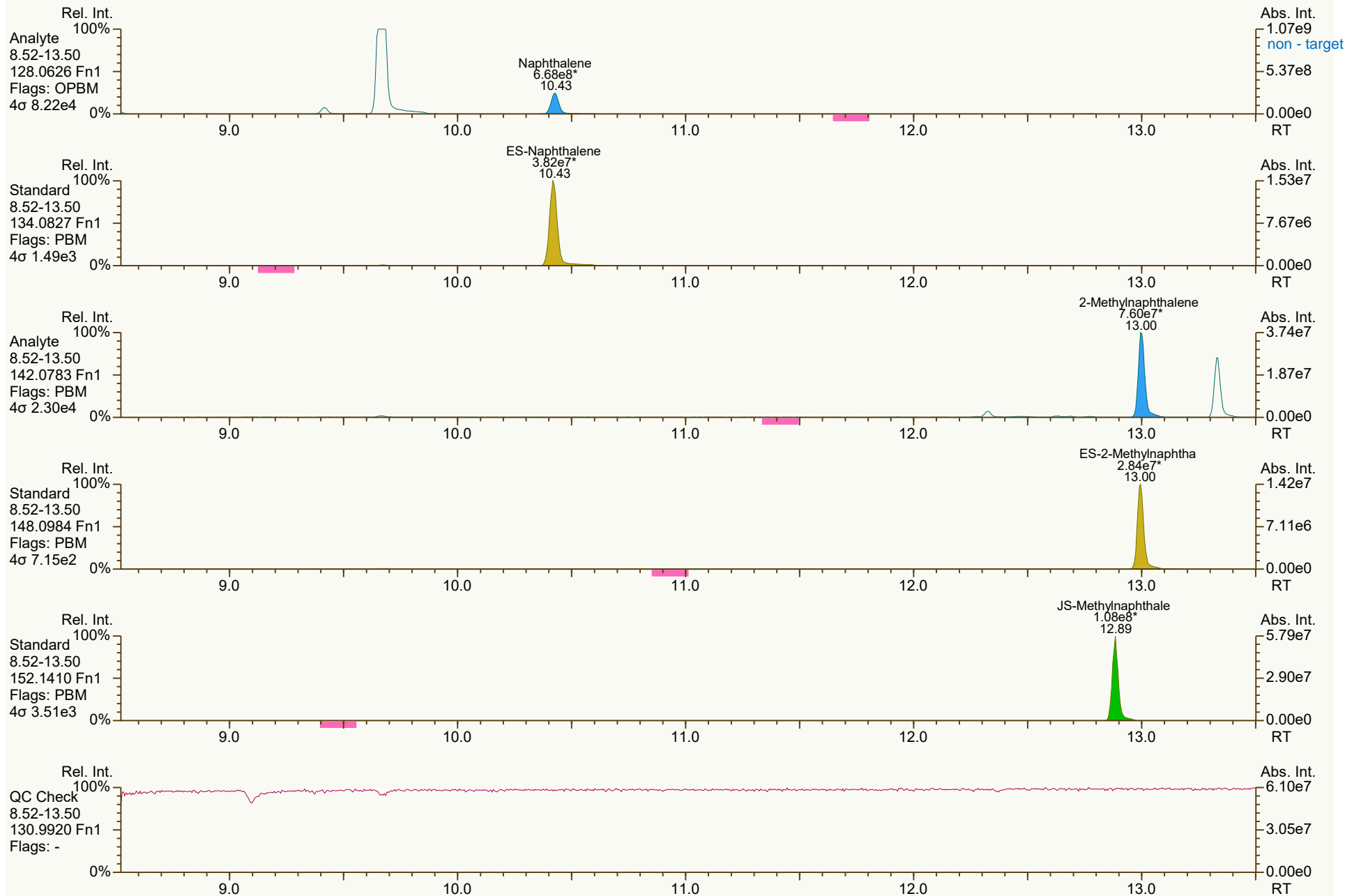
		Stats	PAH Ax	ES/SS	Checkcode: 371-412-MST					
Largest +ve RT shift (secs)			1.2	0.6						
Largest -ve RT shift (secs)			-1.5	-1.2						
	Actual		Pred	Actual	Diff					
Name	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.42	V	0.8088	0.8086	-0.2	3.82E+07	-	1.35	26.2	
13C6-2-Methylnaphthalene	13.00	V	1.0086	1.0086	0	2.84E+07	-	0.99	26.5	
13C6-Acenaphthylene	15.96	V	0.9717	0.9723	+0.6	2.85E+07	-	1.37	28.1	
13C6-Acenaphthene	16.52	V	1.0060	1.0060	0	1.99E+07	-	0.91	29.5	
13C6-Fluorene	18.12	V	1.1028	1.1033	+0.5	2.73E+07	-	1.09	33.6	
13C6-Phenanthrene	20.84	V	1.2693	1.2691	-0.2	4.89E+07	-	1.91	34.5	
13C6-Anthracene	20.98	V	1.2780	1.2778	-0.2	4.21E+07	-	1.35	42.1	
13C6-Fluoranthene	23.97	V	0.9785	0.9782	-0.4	5.05E+07	-	1.23	34.6	
13C3-Pyrene	24.56	V	1.0023	1.0020	-0.4	5.21E+07	-	1.23	35.6	
13C6-Benzo (a) Anthracene	27.64	V	1.1284	1.1280	-0.6	3.64E+07	-	0.86	35.5	
13C6-Chrysene	27.75	V	1.1326	1.1322	-0.6	4.54E+07	-	1.19	32.2	
13C6-Benzo (b) Fluoranthene	31.28	V	0.9602	0.9602	0	2.58E+07	-	1.28	45.5	
13C6-Benzo (k) Fluoranthene	31.39	V	0.9636	0.9635	-0.2	3.04E+07	-	1.82	37.8	
13C4-Benzo (e) Pyrene	32.45	V	0.9961	0.9961	0	2.80E+07	-	1.56	40.5	
13C4-Benzo (a) Pyrene	32.69	V	1.0036	1.0034	-0.4	1.82E+07	-	1.23	33.4	
d12-Perylene	32.95	V	1.0112	1.0112	0	1.44E+07	-	1.13	29	
13C6-Indeno (1,2,3-cd) Pyrene	38.99	V	1.1968	1.1966	-0.4	1.30E+07	-	0.85	34.5	
13C6-Dibenzo (ah) Anthracene	39.20	V	1.2031	1.2031	0	1.39E+07	-	0.94	33.4	
13C12-Benzo (ghi) Perylene	40.83	V	1.2539	1.2533	-1.2	2.15E+07	-	1.33	36.6	
AS--Anthracene	20.93	V	1.2748	1.2745	-0.3	3.22E+07	-	1.17	vs JS	37
FS--Anthracene								0.87	vs ES	87.7
SS-Fluorene	18.03		0.9956	0.9951	-0.5	2.50E+07	-	1.00		91.7
SS-Terphenyl	24.92		1.0396	1.0396	0	4.60E+07	-	0.79		115
JS-Methylnaphthalene	12.88		-	-	-	1.08E+08	-	-		-
JS-Acenaphthene	16.42		-	-	-	7.43E+07	-	-		-
JS-Pyrene	24.51		-	-	-	1.19E+08	-	-		-
JS-Benzo (a) Pyrene	32.58		-	-	-	4.43E+07	-	-		-



SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

Acq: 14-Oct-2024 18:41:45
User: DTF Datafile: 241014V13



SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

Acq: 14-Oct-2024 18:41:45
User: DTF Datafile: 241014V13



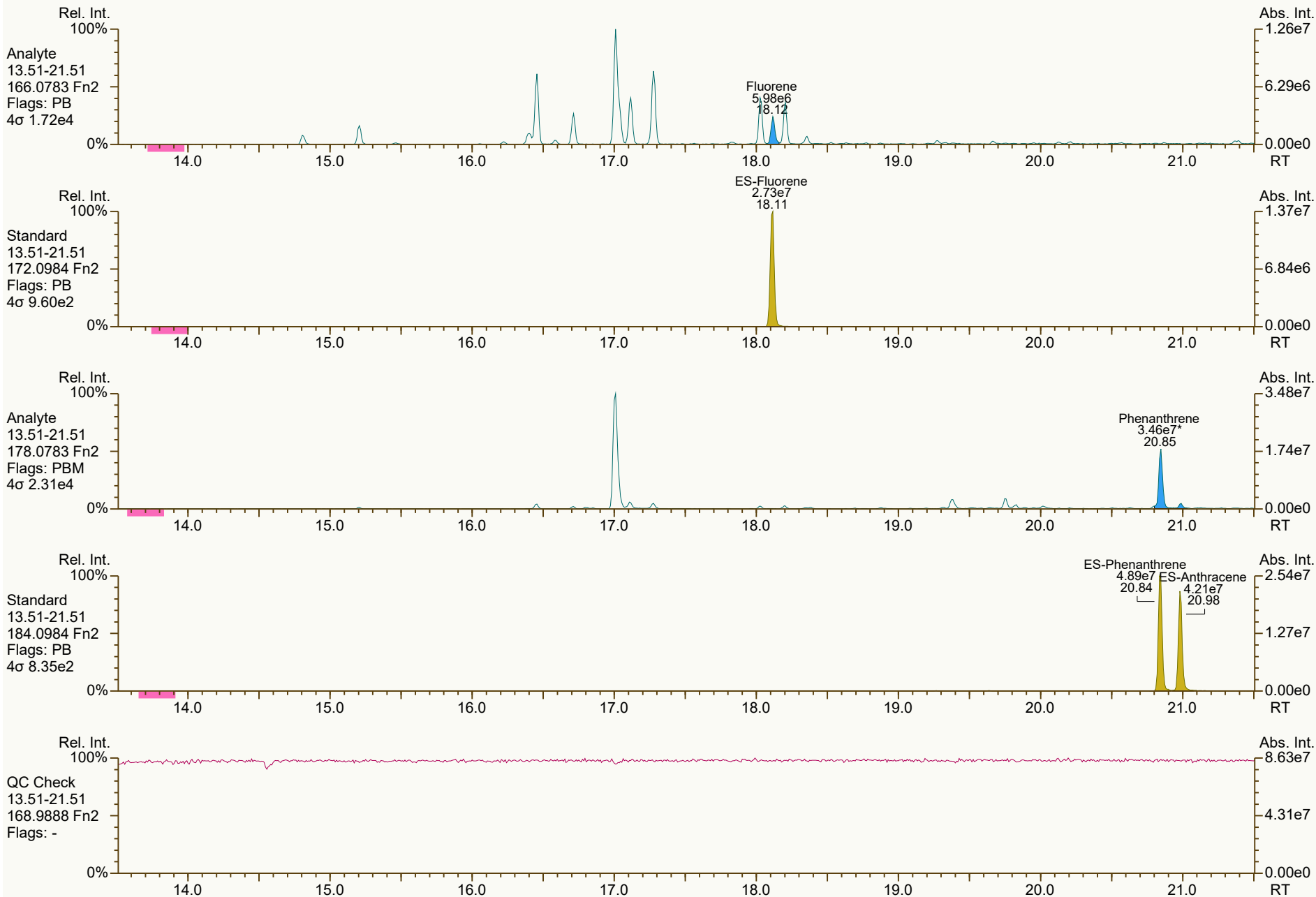
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0094, 0112, 2803, 6770, 2024 scc: 371-412

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:51 (DTF) Printed: 15-Oct-2024 11:28 Page 3 of 9

SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

Acq: 14-Oct-2024 18:41:45
User: DTF Datafile: 241014V13



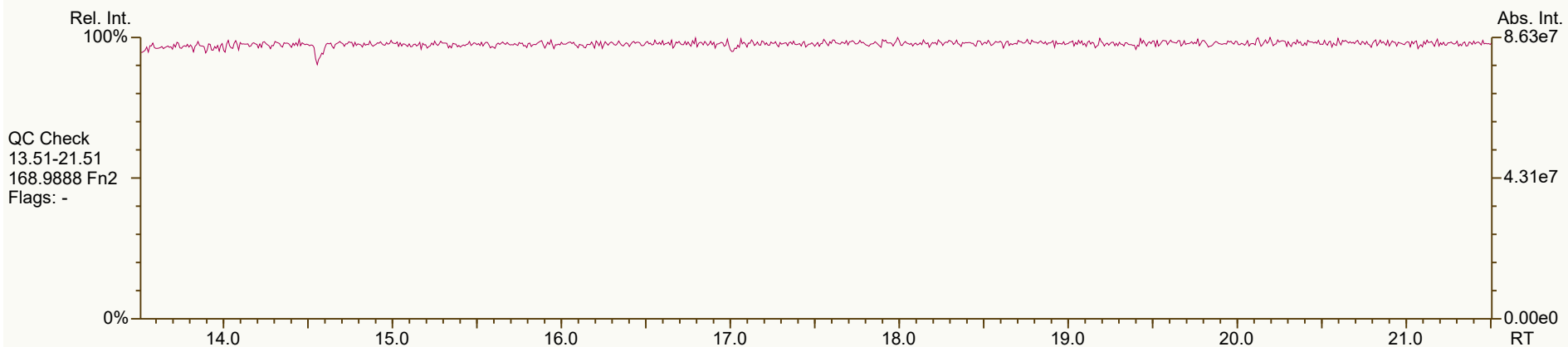
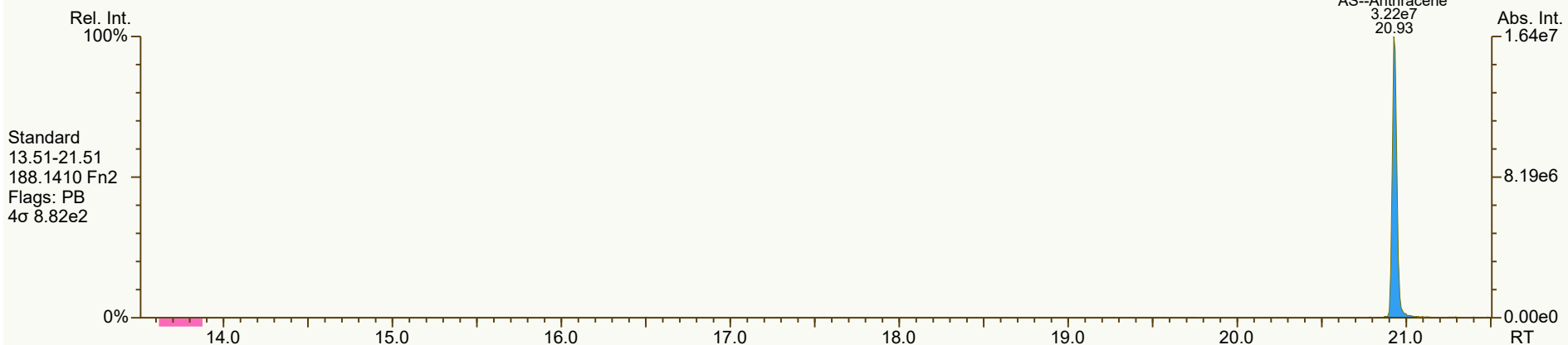
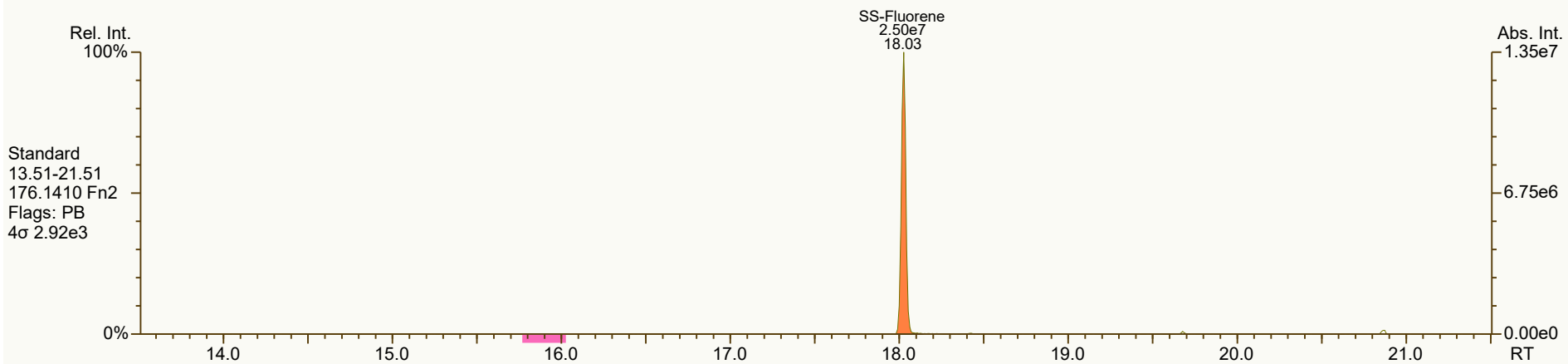
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:51 (DTF) Printed: 15-Oct-2024 11:28 Page 4 of 9

SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

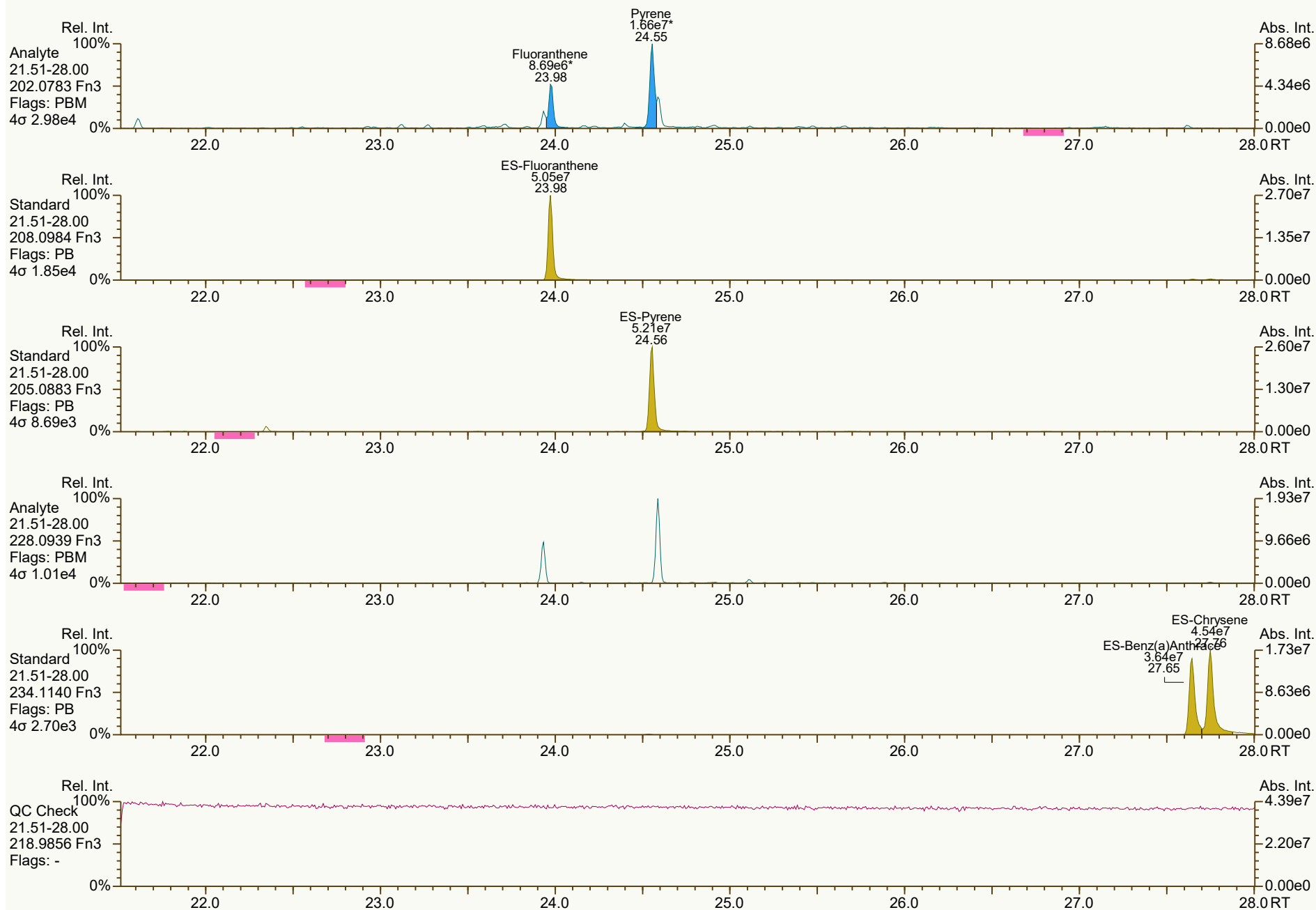
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SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

Acq: 14-Oct-2024 18:41:45
User: DTF Datafile: 241014V13



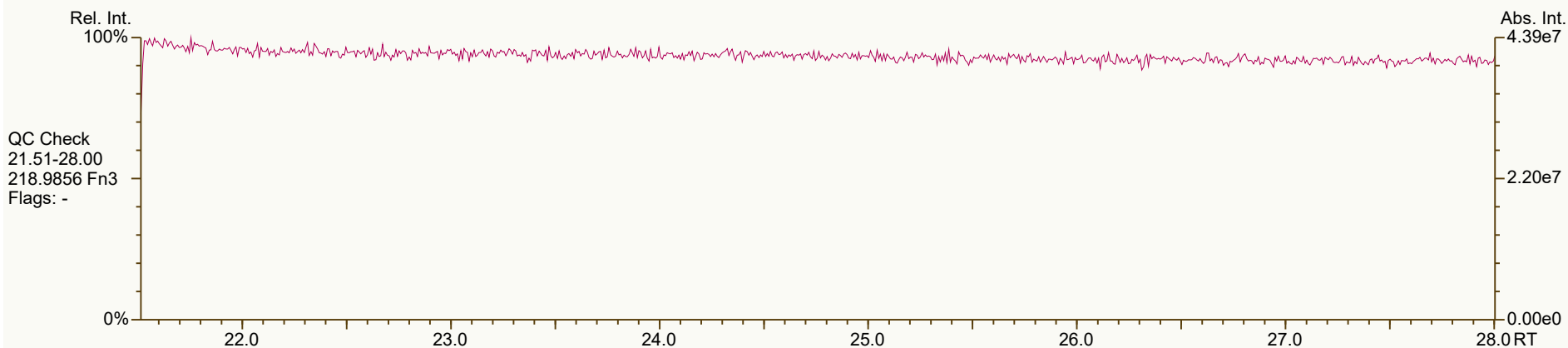
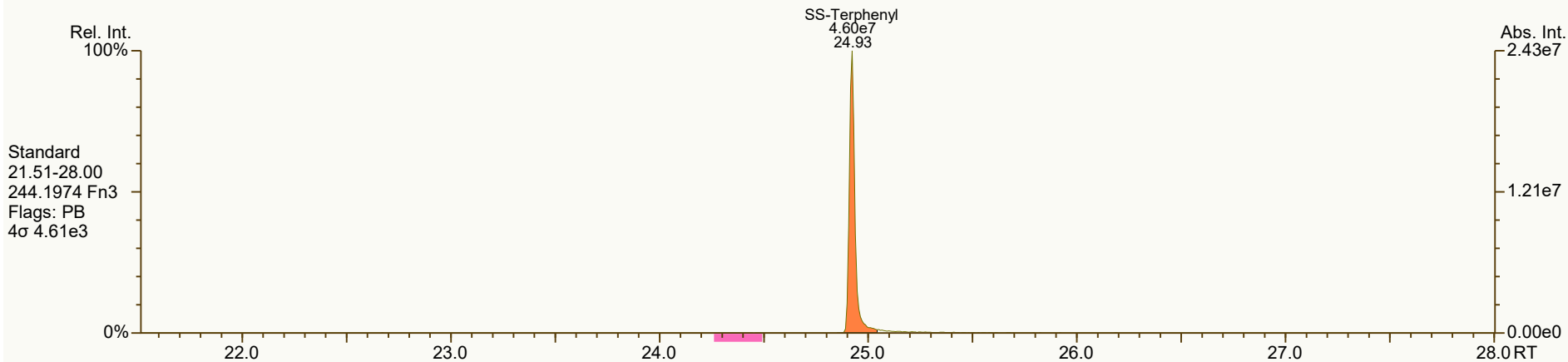
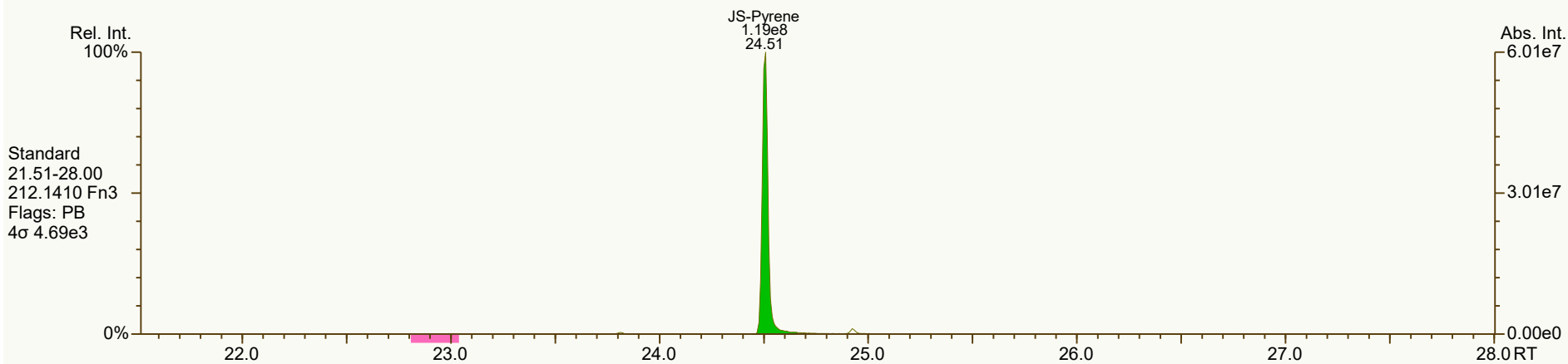
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:52 (DTF) Printed: 15-Oct-2024 11:28 Page 6 of 9

SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

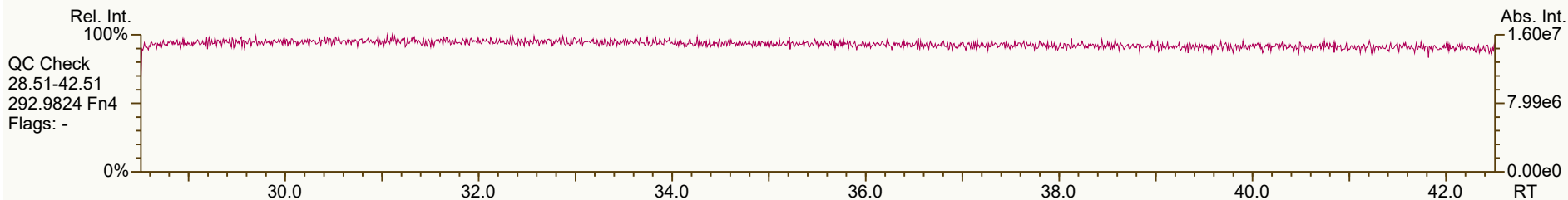
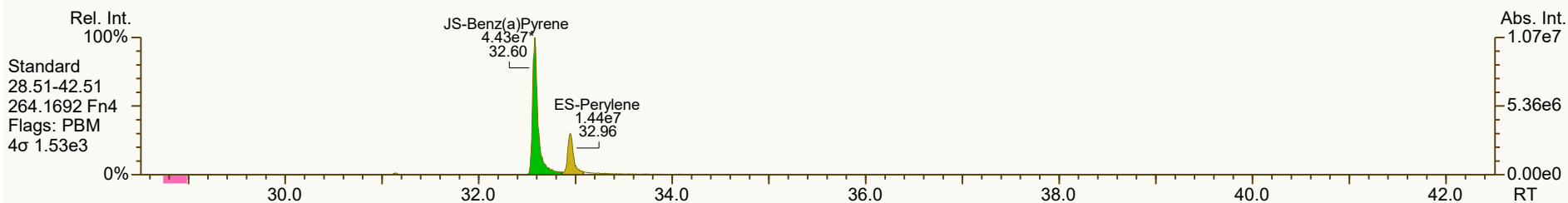
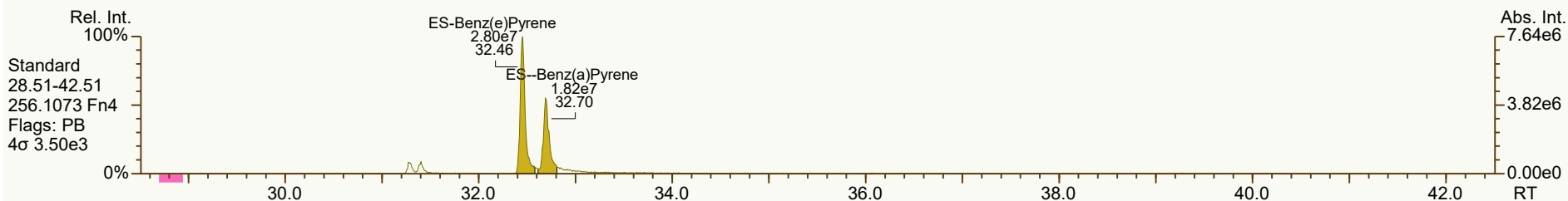
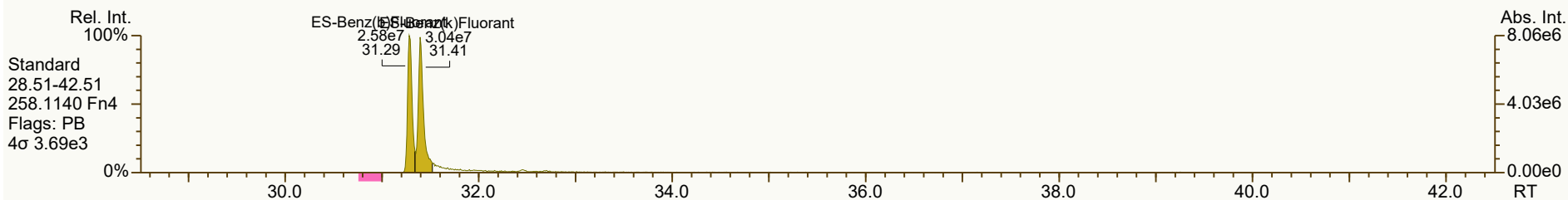
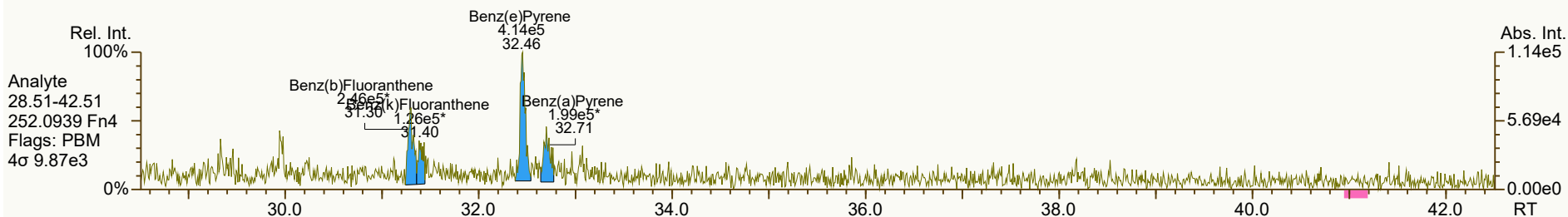
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User: DTF Datafile: 241014V13



SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

Acq: 14-Oct-2024 18:41:45
User: DTF Datafile: 241014V13



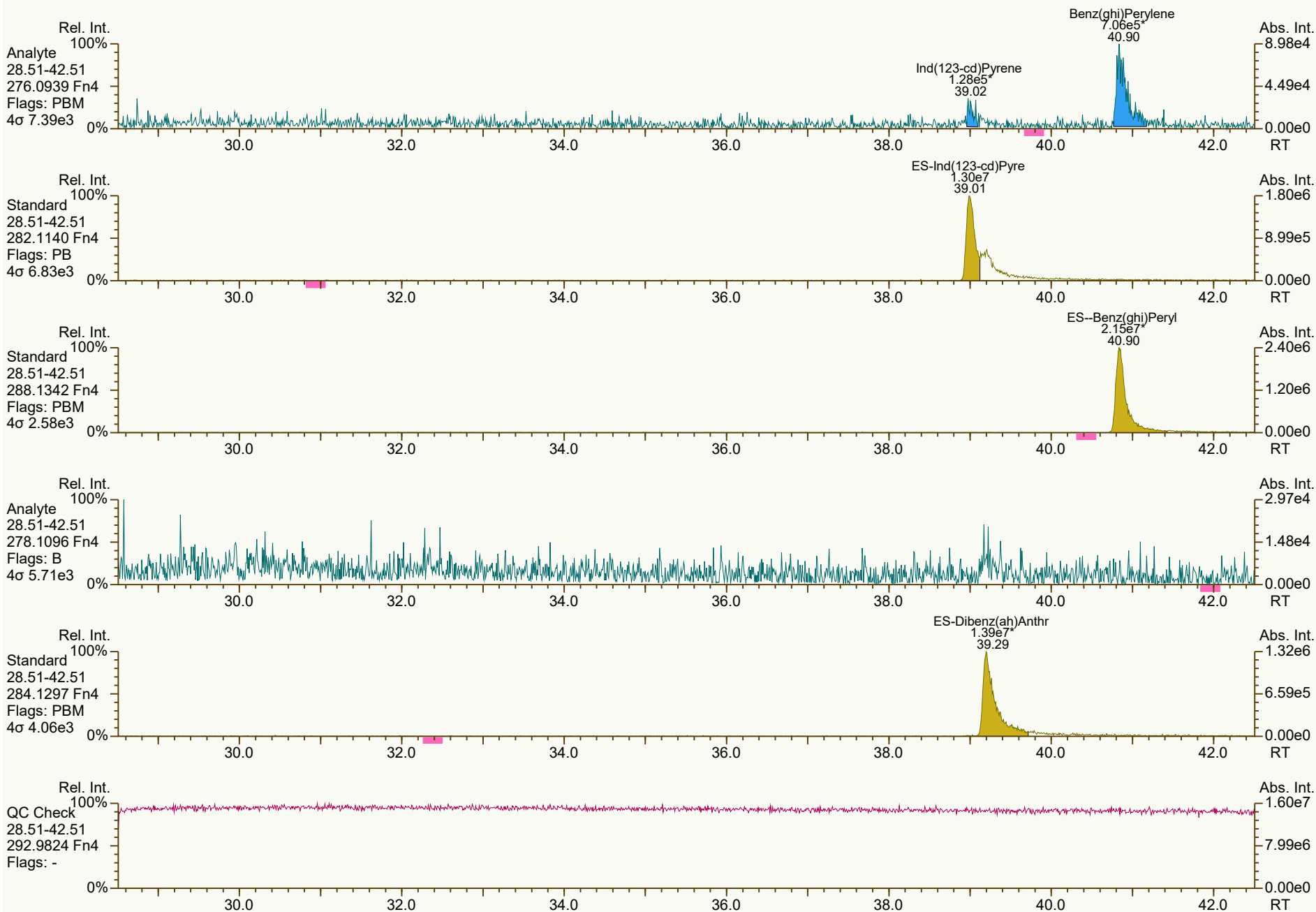
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:52 (DTF) Printed: 15-Oct-2024 11:28 Page 8 of 9

SGS ID: MB1_21527_PAH_SDS
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+ Expt: pah GC: pah Vial: 82

Acq: 14-Oct-2024 18:41:45
User: DTF Datafile: 241014V13



Results: P:\B9900_B9999\B9935\B9935_21527_PAH\Resources\MB1_21527_PAH_SDS.utp_res, saved 15-Oct-2024 10:48 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0617, 9025, 8461, 9005, 2272 scc: 371-412

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:52 (DTF) Printed: 15-Oct-2024 11:28 Page 9 of 9

Stats		PAH Ax	ES/SS		Checkcode: 978-511-BKG						
Largest +ve RT shift (secs)		1.0	2.2								
Largest -ve RT shift (secs)		-4.2	-2.0								
Name	Actual		Pred	Actual	Diff	Response	Ra	Conc			
	RT	QC	RRT	RRT	Secs			RRF	ng/Train	Noise	DL
Naphthalene	10.41	E S	1.0005	0.9947	-3.6	1.37E+10	-	0.99	58300	5.79E+06	291.0000
2-Methylnaphthalene	12.98	E S	1.0004	0.9983	-1.6	5.72E+09	-	1.01	48200	9.63E+04	4.80000
Acenaphthylene	15.94	E S	1.0006	0.9983	-2.2	5.03E+09	-	0.92	41900	1.16E+06	60.00000
Acenaphthene	16.52	E	1.0005	1.0000	-0.5	1.57E+09	-	1.01	25200	2.27E+06	186.0000
Fluorene	18.11	E S	1.0005	1.0000	-0.5	2.85E+09	-	1.02	32400	3.81E+05	21.00000
Phenanthrene	20.82	E S	1.0004	0.9987	-2.1	5.22E+09	-	1.00	28300	5.32E+05	16.50000
Anthracene	20.98	E S	1.0000	0.9996	-0.5	3.56E+09	-	1.23	18300	5.32E+05	12.20000
Fluoranthene	23.98	E S	1.0000	1.0007	+1.0	3.54E+09	-	0.92	18900	4.01E+06	107.0000
Pyrene	24.56	E S	1.0000	1.0003	+0.4	3.31E+09	-	0.98	7250	4.01E+06	65.00000
Benzo (a) Anthracene	27.63	E	1.0000	1.0000	0	1.46E+09	-	1.00	10200	9.40E+05	34.70000
Chrysene	27.73	E S	1.0003	1.0000	-0.5	3.51E+09	-	1.01	20600	9.40E+05	31.60000
Benzo (b) Fluoranthene	31.28	E	1.0000	1.0003	+0.6	4.17E+08	-	0.98	4580	3.04E+04	2.48000
Benzo (k) Fluoranthene	31.38	E	1.0003	0.9997	-1.1	9.38E+07	-	0.92	1030	3.04E+04	3.08000
Benzo (e) Pyrene	32.45	E	1.0000	1.0000	0	3.46E+08	-	0.98	3840	3.04E+04	2.82000
Benzo (a) Pyrene	32.68	E	0.9997	1.0000	+0.6	6.65E+07	-	0.98	866	3.04E+04	3.83000
Perylene	33.06		1.0039	1.0036	-0.6	2.08E+07	-	1.06	289	3.04E+04	4.44000
Indeno (1,2,3-cd) Pyrene	38.97		1.0004	1.0002	-0.5	5.29E+06	-	0.92	113	4.05E+04	14.30000
Dibenzo (a,h) Anthracene	39.12		1.0007	0.9989	-4.2	3.94E+06	-	0.94	85.2	2.40E+04	10.50000
Benzo (ghi) Perylene	40.83		1.0006	1.0004	-0.5	1.94E+07	-	0.97	322	4.05E+04	11.30000

Datafile: 241014V16
Acquired: 14 Oct 2024 21:01:53

Client ID: Test #1
Lab ID: B9935_21527_PAH_001-D10

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

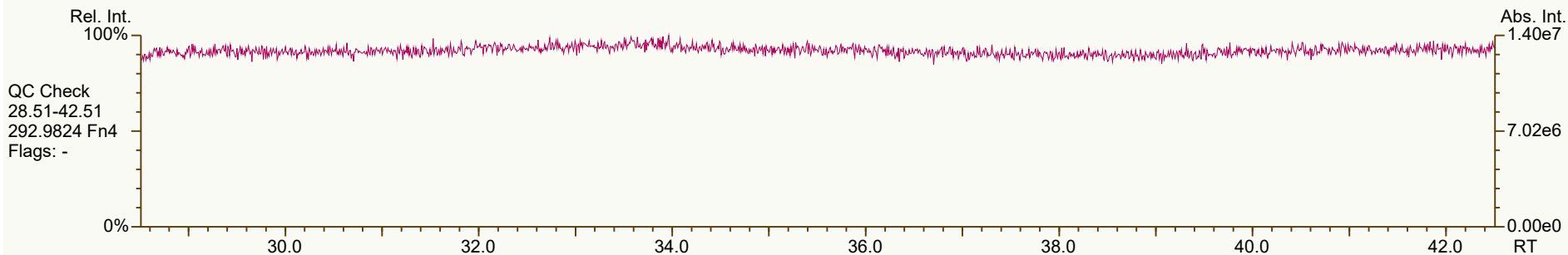
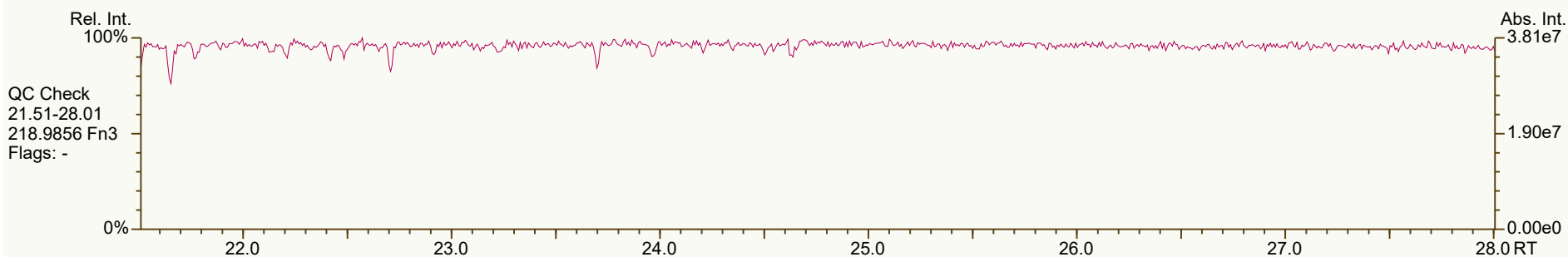
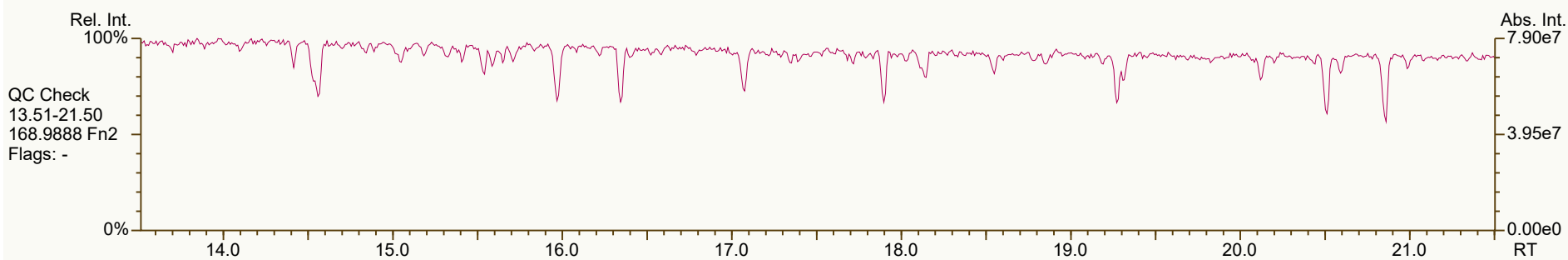
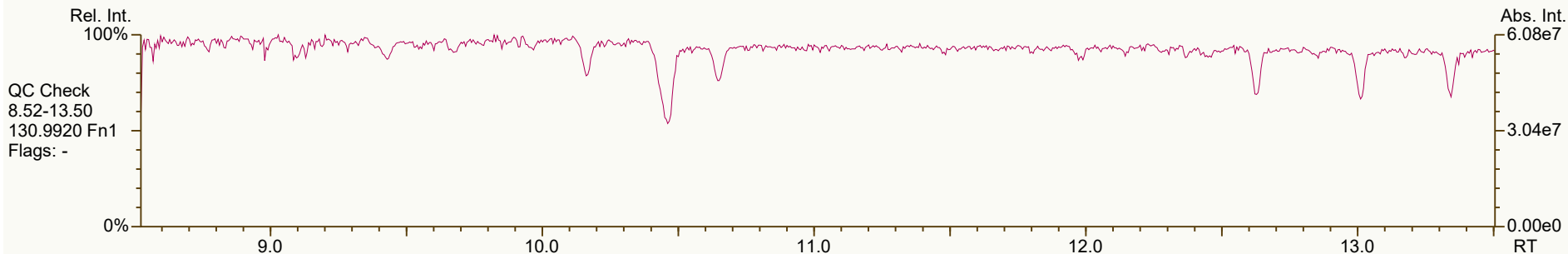
MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

Stats		PAH Ax	ES/SS		Checkcode: 978-511-BKG					
Largest +ve RT shift (secs)		1.0	2.2							
Largest -ve RT shift (secs)		-4.2	-2.0							
Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.	
	RT	QC	RRT	RRT	Secs					
13C6-Naphthalene	10.46		0.8088	0.8117	+2.2	9.50E+06	-	1.35	64.8	
13C6-2-Methylnaphthalene	13.01		1.0086	1.0090	+0.3	4.70E+06	-	0.99	43.7	
13C6-Acenaphthylene	15.97		0.9717	0.9728	+1.1	5.20E+06	-	1.37	54.2	
13C6-Acenaphthene	16.52		1.0060	1.0065	+0.5	2.45E+06	-	0.91	38.5	
13C6-Fluorene	18.11		1.1028	1.1033	+0.5	3.46E+06	-	1.09	45.1	
13C6-Phenanthrene	20.85		1.2693	1.2702	+0.9	7.40E+06	-	1.91	55.2	
13C6-Anthracene	20.98		1.2780	1.2784	+0.4	6.31E+06	-	1.35	66.8	
13C6-Fluoranthene	23.97		0.9785	0.9785	0	8.18E+06	-	1.23	56.5	
13C3-Pyrene	24.55		1.0023	1.0023	0	1.86E+07	-	1.23	128	
13C6-Benzo (a) Anthracene	27.63		1.1284	1.1280	-0.6	5.71E+06	-	0.86	56.1	
13C6-Chrysene	27.73		1.1326	1.1323	-0.4	6.77E+06	-	1.19	48.3	
13C6-Benzo (b) Fluoranthene	31.27		0.9602	0.9602	0	3.70E+06	-	1.28	55	
13C6-Benzo (k) Fluoranthene	31.39		0.9636	0.9638	+0.4	3.99E+06	-	1.82	41.6	
13C4-Benzo (e) Pyrene	32.45		0.9961	0.9961	0	3.70E+06	-	1.56	45	
13C4-Benzo (a) Pyrene	32.68		1.0036	1.0034	-0.4	3.13E+06	-	1.23	48.4	
dl2-Perylene	32.94		1.0112	1.0112	0	2.71E+06	-	1.13	45.8	
13C6-Indeno (1,2,3-cd) Pyrene	38.96		1.1968	1.1961	-1.4	2.04E+06	-	0.85	45.5	
13C6-Dibenzo (ah) Anthracene	39.16		1.2031	1.2024	-1.4	1.97E+06	-	0.94	39.8	
13C12-Benzo (ghi) Perylene	40.81		1.2539	1.2529	-2.0	2.49E+06	-	1.33	35.6	
AS--Anthracene	20.93	V	1.2748	1.2751	+0.3	5.22E+06	-	1.17	vs JS	63.5
FS--Anthracene								0.87	vs ES	95.1
SS-Fluorene	18.02		0.9956	0.9951	-0.5	3.22E+06	-	1.00		93.1
SS-Terphenyl	24.91		1.0396	1.0393	-0.4	5.61E+06	-	0.79		86.2
JS-Methylnaphthalene	12.89		-	-	-	1.09E+07	-	-		-
JS-Acenaphthene	16.42		-	-	-	7.02E+06	-	-		-
JS-Pyrene	24.50		-	-	-	1.18E+07	-	-		-
JS-Benzo (a) Pyrene	32.57		-	-	-	5.27E+06	-	-		-

SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

Acq: 14-Oct-2024 21:01:53
User: DTF Datafile: 241014V16



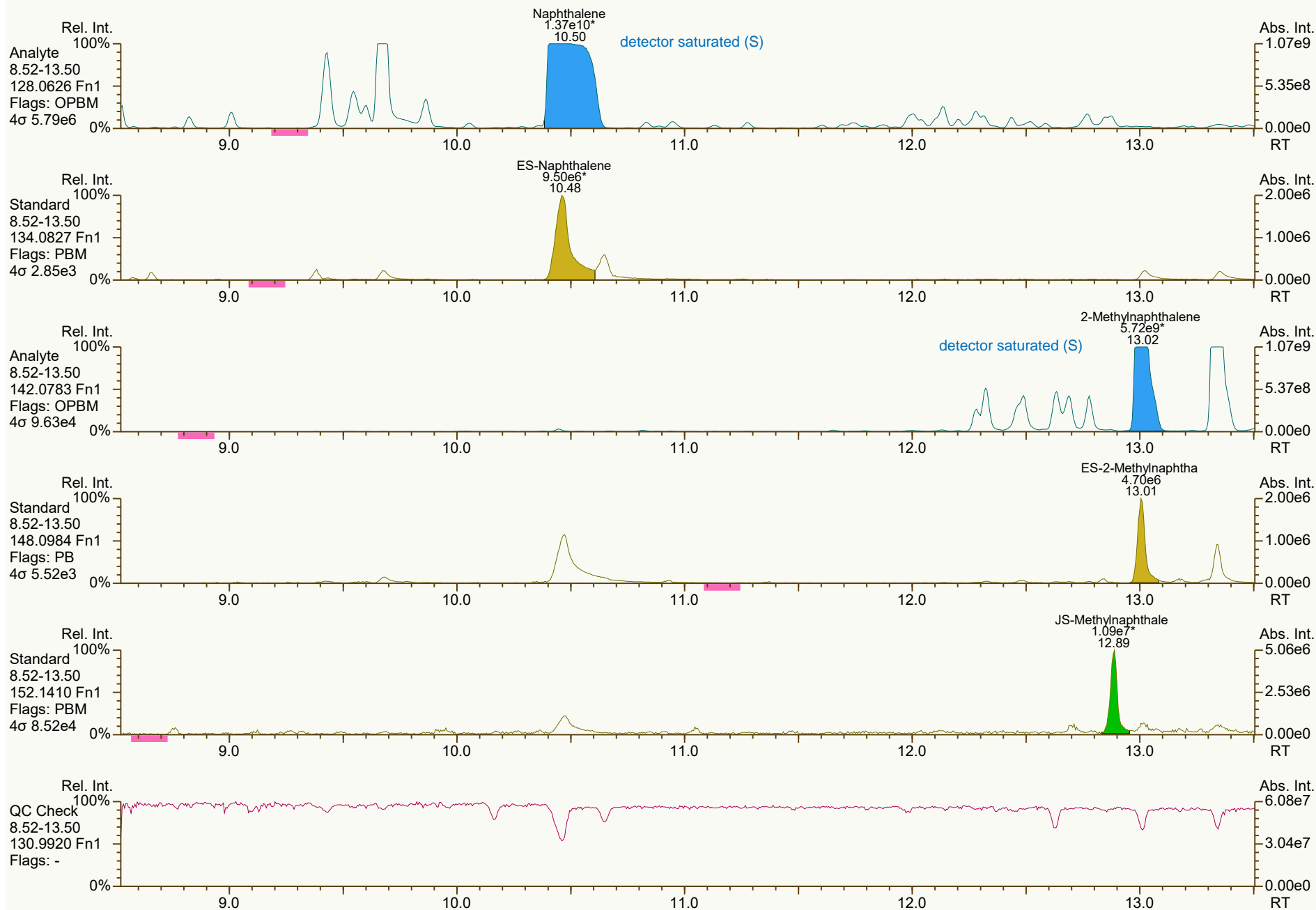
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 978-511

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:29 Page 1 of 9

SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

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User: DTF Datafile: 241014V16



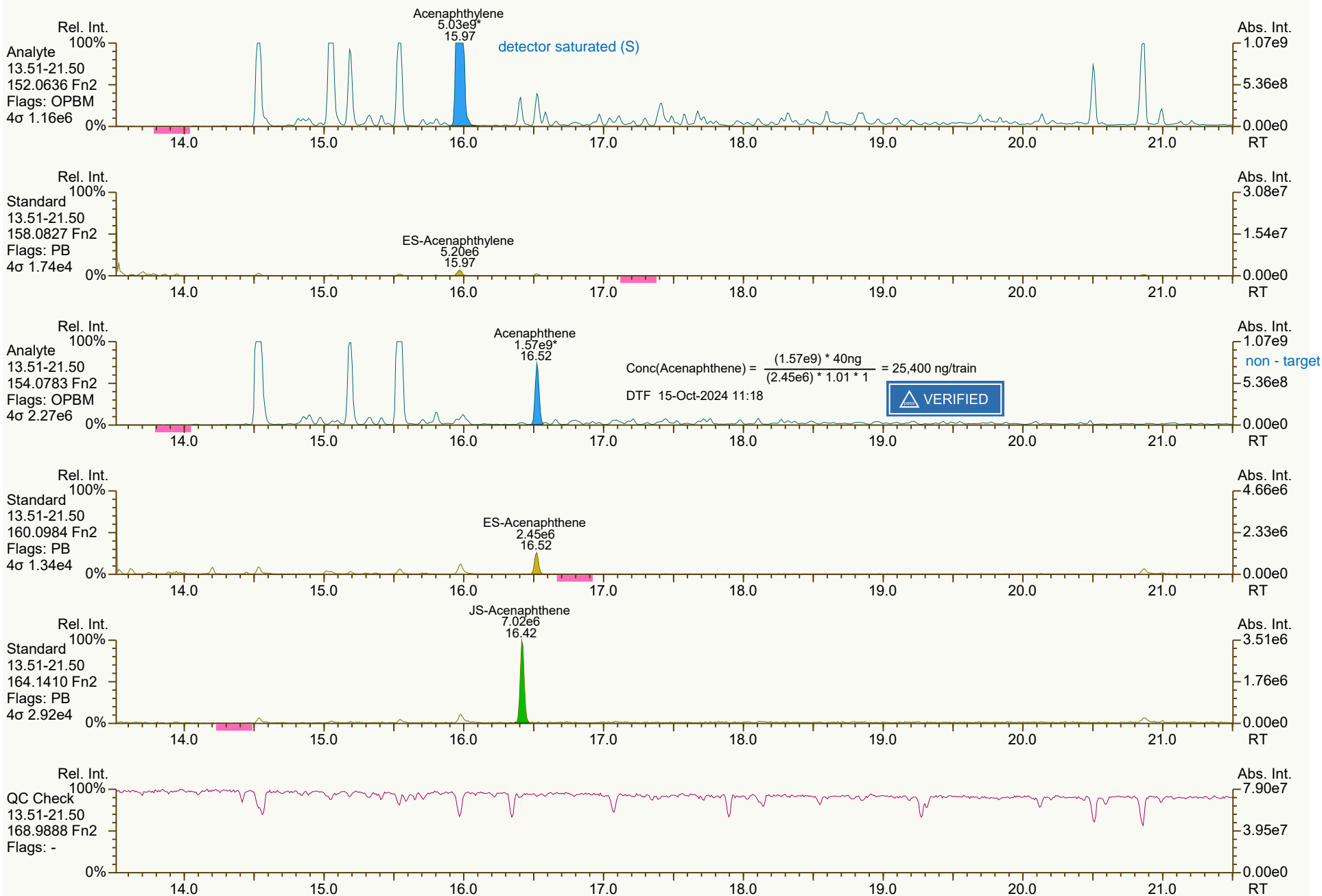
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:04 (DTF) Printed: 15-Oct-2024 11:29 Page 2 of 9

SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

Acq: 14-Oct-2024 21:01:53
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:05 (DTF) Printed: 15-Oct-2024 11:29 Page 3 of 9

SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

Acq: 14-Oct-2024 21:01:53
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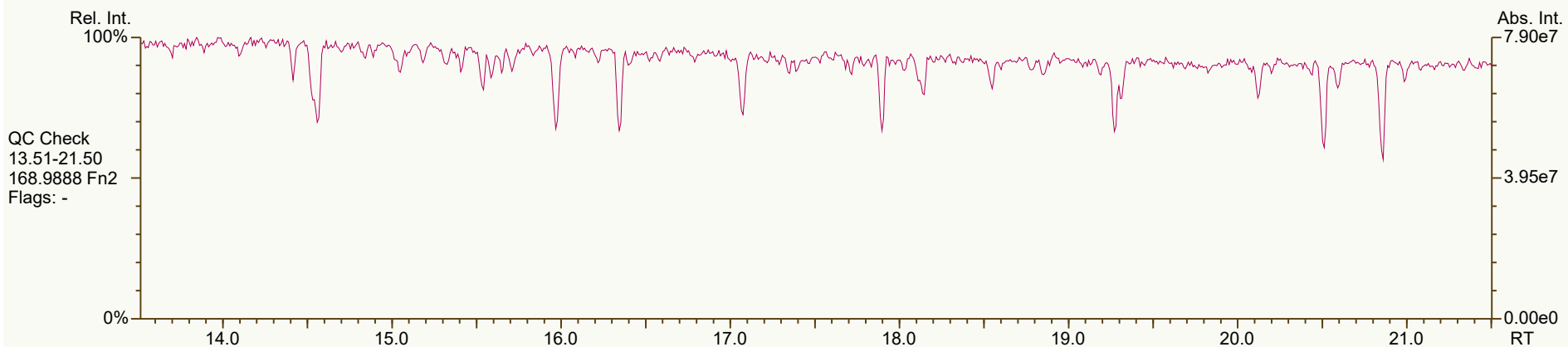
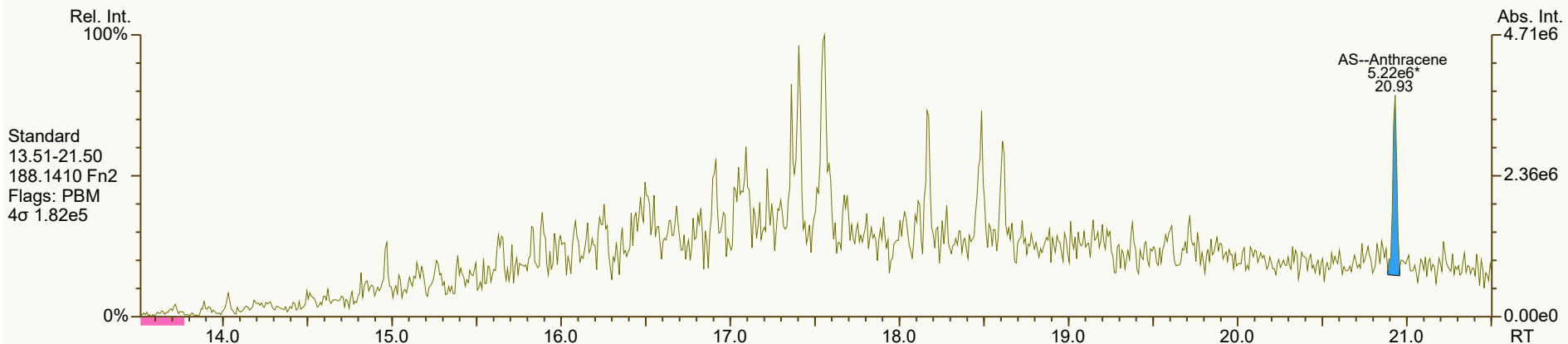
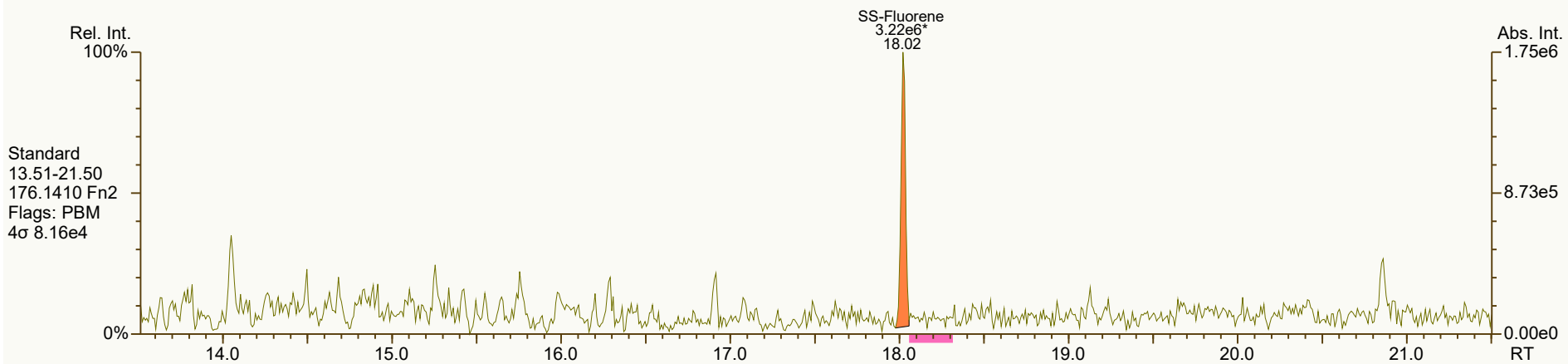
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:05 (DTF) Printed: 15-Oct-2024 11:29 Page 4 of 9

SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

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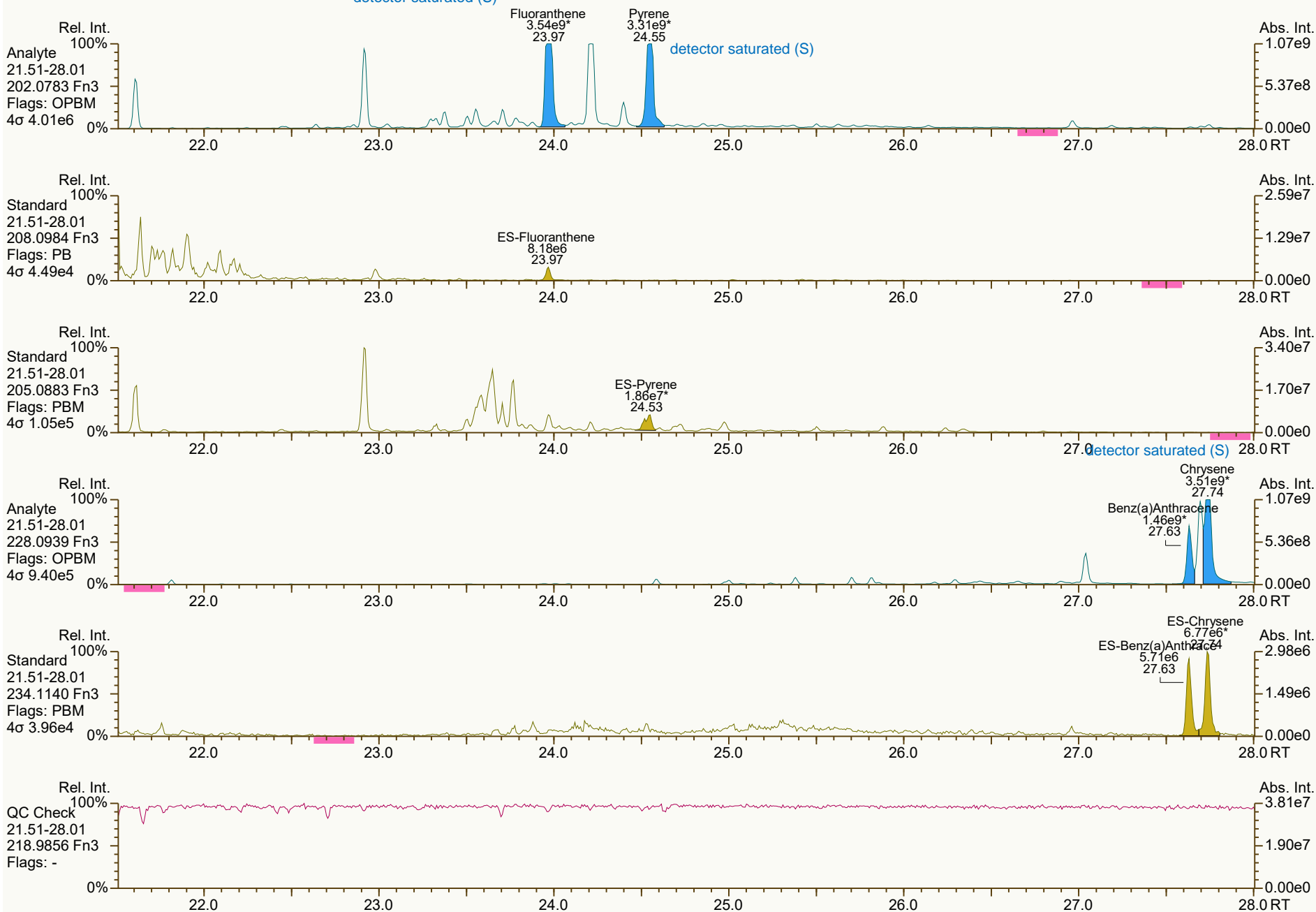
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Sample ID: Test #1

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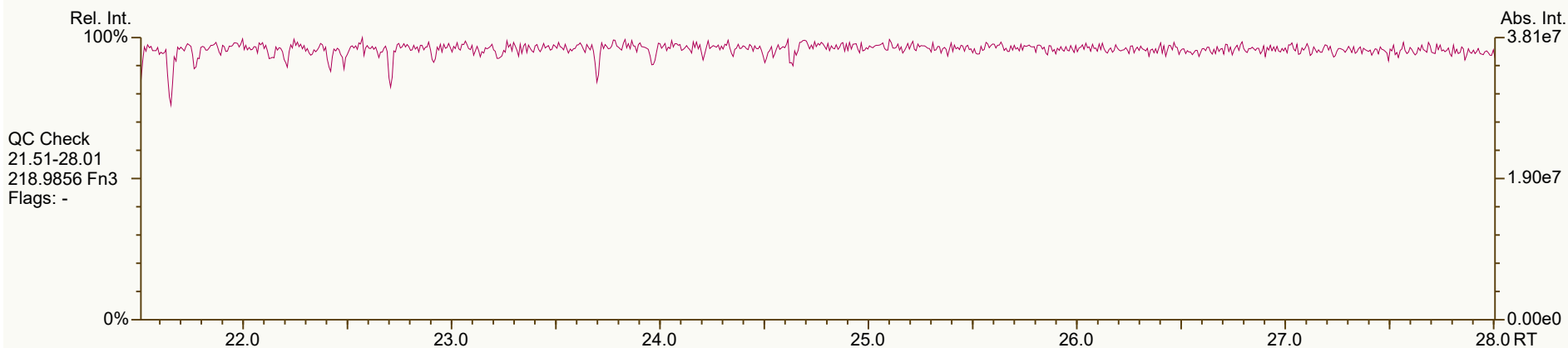
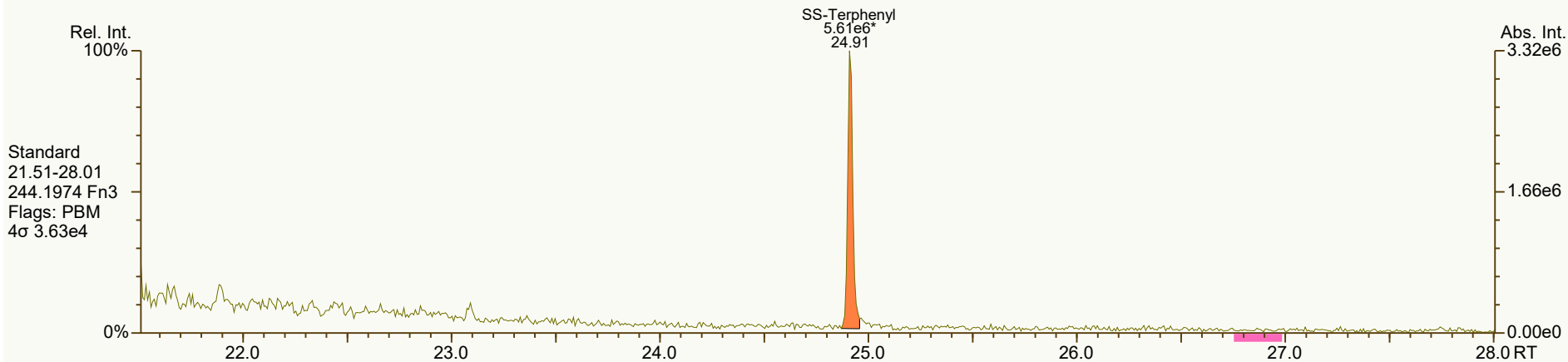
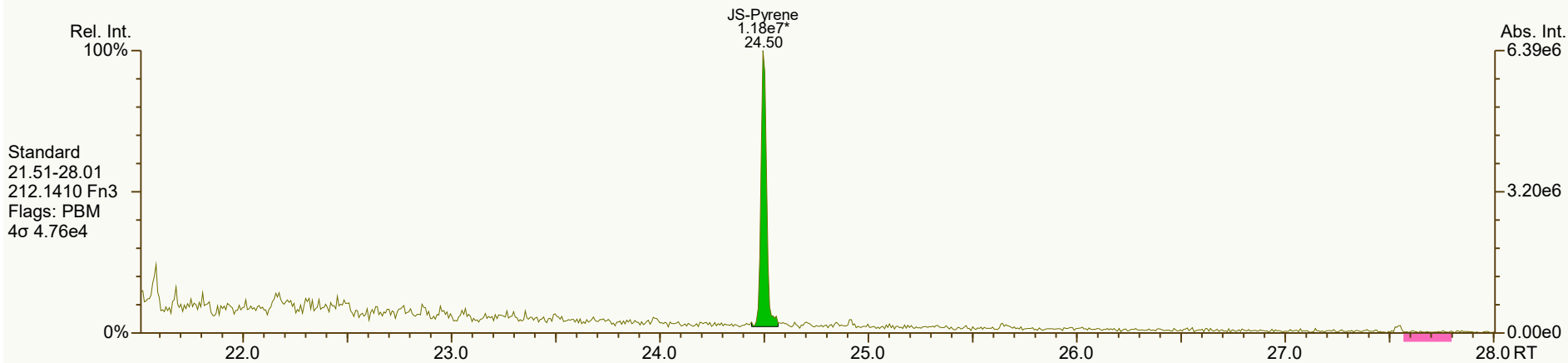
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:05 (DTF) Printed: 15-Oct-2024 11:29 Page 6 of 9

SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

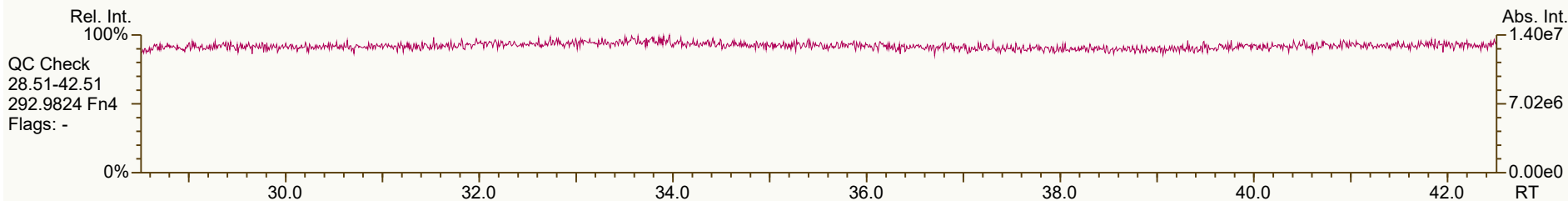
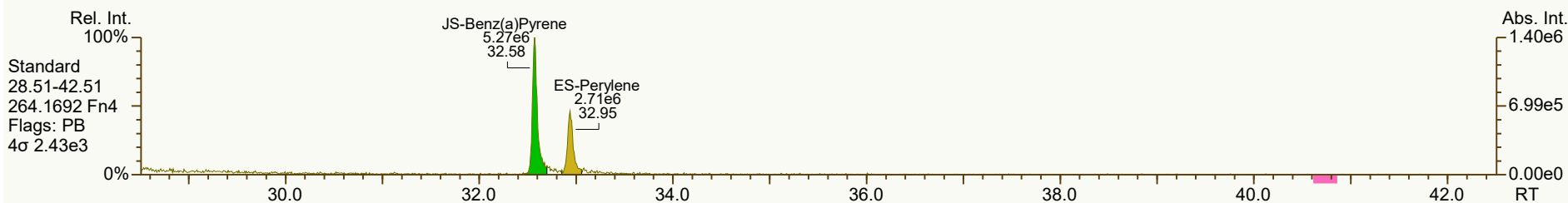
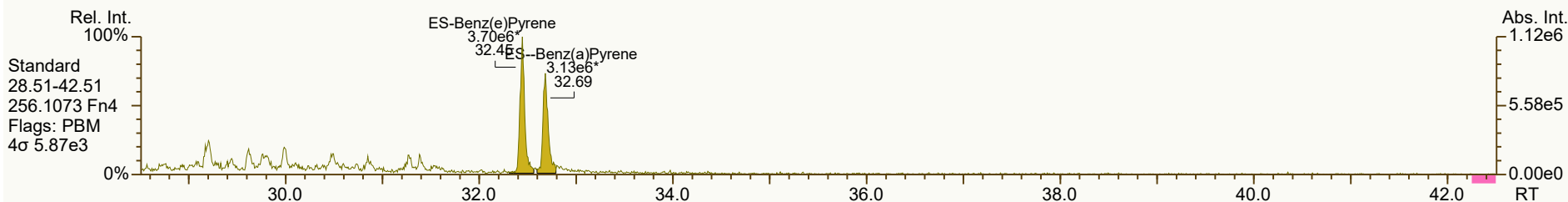
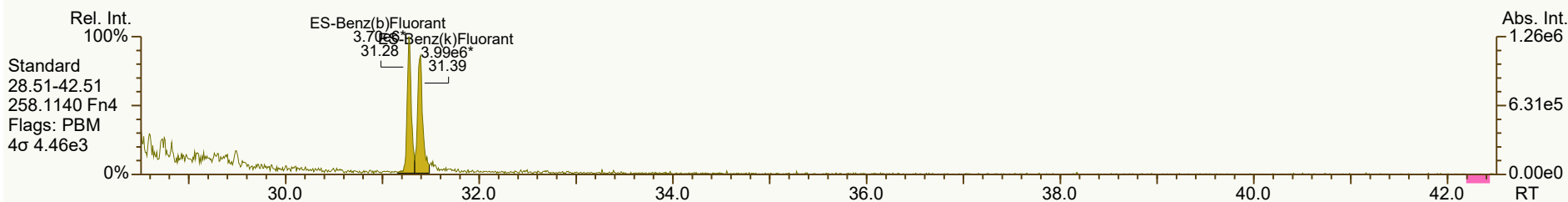
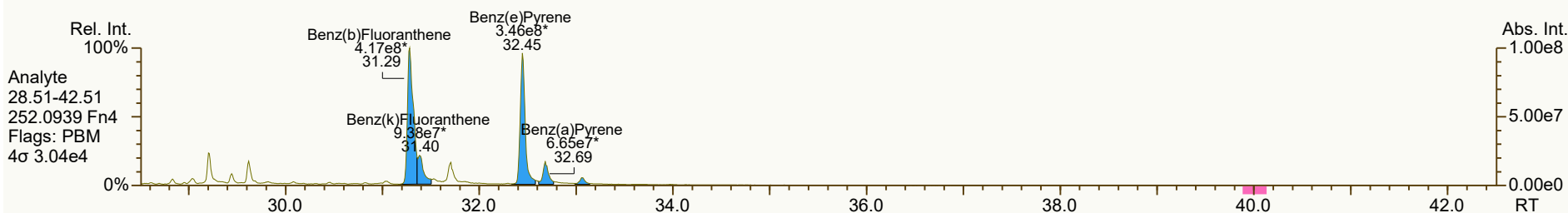
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SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

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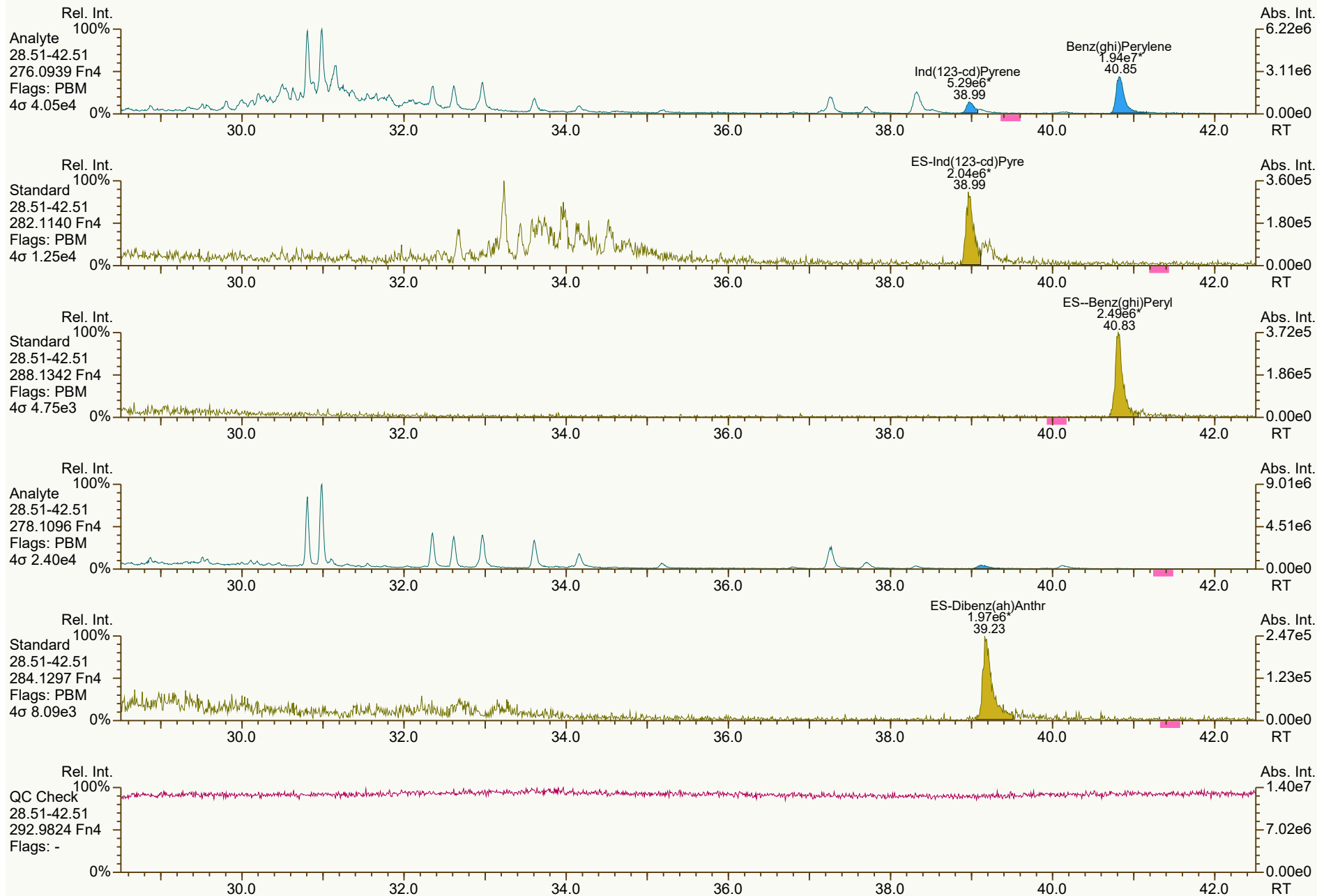
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:05 (DTF) Printed: 15-Oct-2024 11:29 Page 8 of 9

SGS ID: B9935_21527_PAH_001-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #1
VSIR EI+ Expt: pah GC: pah Vial: 83

Acq: 14-Oct-2024 21:01:53
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2996, 2352, 7393, 5688, 8963 scc: 978-511

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:00 (DTF) Printed: 15-Oct-2024 11:29 Page 9 of 9

Stats	PAH Ax	ES/SS	Checkcode: 052-413-BKJ
Largest +ve RT shift (secs)	1.2	1.4	
Largest -ve RT shift (secs)	-4.2	-2.3	

Name	Actual		Pred	Actual	Diff	Response	Ra	Conc		Noise	DL
	RT	QC	RRT	RRT	Secs			RRF	ng/Train		
Naphthalene	10.43	E S	1.0005	0.9974	-1.9	7.77E+09	-	0.99	90700	1.66E+06	179.0000
2-Methylnaphthalene	13.01	E S	1.0004	0.9991	-1.0	3.72E+09	-	1.01	76500	3.59E+04	3.81000
Acenaphthylene	15.97	E S	1.0006	0.9994	-1.2	3.58E+09	-	0.92	65700	2.05E+05	18.40000
Acenaphthene	16.54	E	1.0005	1.0005	0	3.75E+08	-	1.01	12300	4.81E+05	68.70000
Fluorene	18.12	E	1.0005	1.0000	-0.5	1.00E+09	-	1.02	20300	1.40E+05	12.80000
Phenanthrene	20.84	E S	1.0004	0.9996	-1.0	3.61E+09	-	1.00	35700	1.40E+05	6.35000
Anthracene	20.99	E	1.0000	1.0000	0	1.53E+09	-	1.23	14900	1.40E+05	6.07000
Fluoranthene	23.98	E	1.0000	1.0003	+0.4	1.83E+09	-	0.92	19200	9.98E+05	44.60000
Pyrene	24.56	E	1.0000	1.0000	0	1.20E+09	-	0.98	7220	9.98E+05	34.60000
Benzo (a) Anthracene	27.65	E	1.0000	1.0003	+0.5	2.10E+08	-	1.00	3210	2.14E+05	18.10000
Chrysene	27.75	E	1.0003	1.0000	-0.5	8.32E+08	-	1.01	11700	2.14E+05	17.10000
Benzo (b) Fluoranthene	31.29	E	1.0000	1.0000	0	7.27E+07	-	0.98	1940	2.04E+04	4.09000
Benzo (k) Fluoranthene	31.40		1.0003	1.0000	-0.6	1.48E+07	-	0.92	368	2.04E+04	4.03000
Benzo (e) Pyrene	32.45	E	1.0000	1.0000	0	6.53E+07	-	0.98	1880	2.04E+04	4.98000
Benzo (a) Pyrene	32.70		0.9997	1.0003	+1.2	1.21E+07	-	0.98	400	2.04E+04	6.77000
Perylene	33.07		1.0039	1.0036	-0.6	4.46E+06	-	1.06	176	2.04E+04	7.37000
Indeno (1,2,3-cd) Pyrene	39.02		1.0004	1.0004	0	1.85E+06	-	0.92	103	2.26E+04	22.30000
Dibenzo (a,h) Anthracene	39.17		1.0007	0.9989	-4.2	1.19E+06	-	0.94	69.4	1.57E+04	23.90000
Benzo (ghi) Perylene	40.85		1.0006	1.0006	0	5.57E+06	-	0.97	231	2.26E+04	16.30000

Datafile: 241014V17
Acquired: 14 Oct 2024 21:48:35

Client ID: Test #2
Lab ID: B9935_21527_PAH_002-D10

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

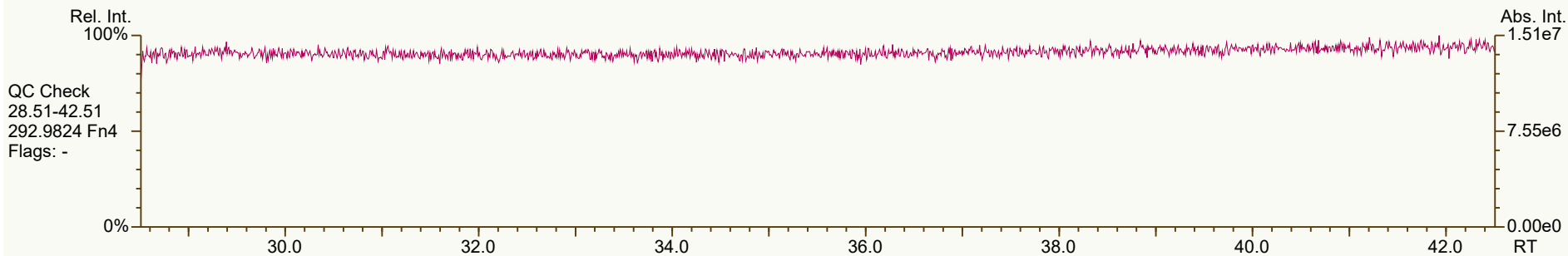
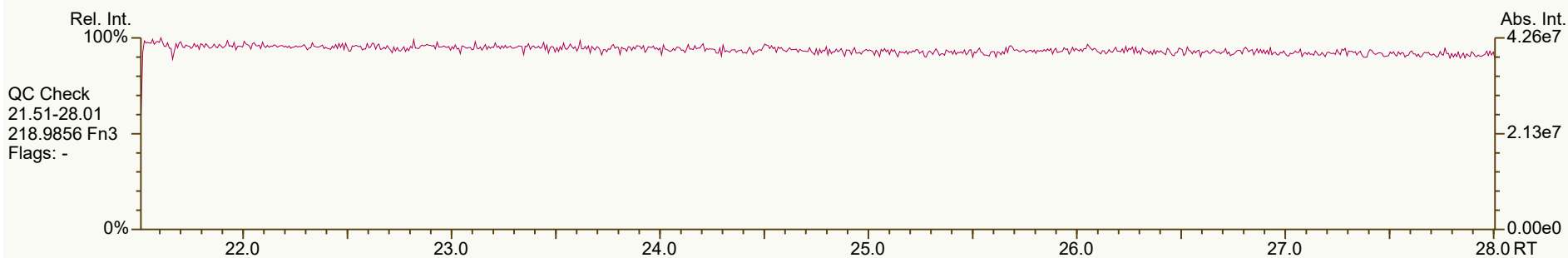
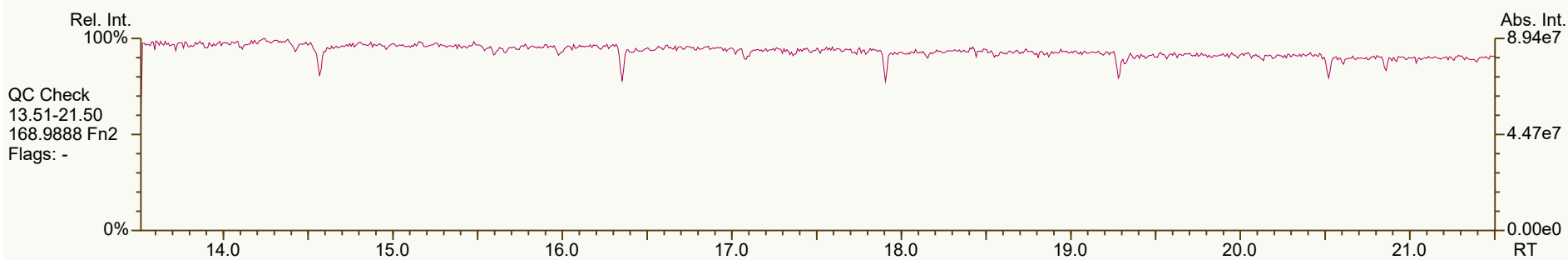
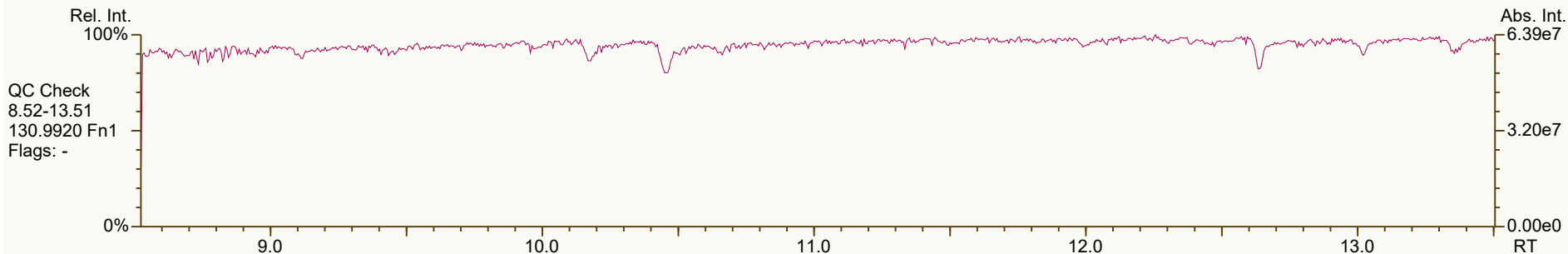
MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

Stats		PAH Ax	ES/SS	Checkcode: 052-413-BKJ						
Largest +ve RT shift (secs)		1.2	1.4							
Largest -ve RT shift (secs)		-4.2	-2.3							
Name	Actual		Pred	Actual	Diff					
	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.46		0.8088	0.8106	+1.4	3.45E+06	-	1.35	57.1	
13C6-2-Methylnaphthalene	13.02		1.0086	1.0090	+0.3	1.93E+06	-	0.99	43.5	
13C6-Acenaphthylene	15.98		0.9717	0.9728	+1.1	2.36E+06	-	1.37	54.8	
13C6-Acenaphthene	16.53		1.0060	1.0065	+0.5	1.21E+06	-	0.91	42	
13C6-Fluorene	18.12		1.1028	1.1033	+0.5	1.94E+06	-	1.09	56.2	
13C6-Phenanthrene	20.85		1.2693	1.2696	+0.3	4.05E+06	-	1.91	67.2	
13C6-Anthracene	20.99		1.2780	1.2783	+0.3	3.33E+06	-	1.35	78.4	
13C6-Fluoranthene	23.98		0.9785	0.9782	-0.4	4.16E+06	-	1.23	62	
13C3-Pyrene	24.56		1.0023	1.0020	-0.4	6.79E+06	-	1.23	101	
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1276	-1.2	2.61E+06	-	0.86	55.2	
13C6-Chrysene	27.75		1.1326	1.1322	-0.6	2.82E+06	-	1.19	43.4	
13C6-Benzo (b) Fluoranthene	31.29		0.9602	0.9602	0	1.53E+06	-	1.28	78.7	
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9636	0	1.75E+06	-	1.82	63.4	
13C4-Benzo (e) Pyrene	32.45		0.9961	0.9958	-0.6	1.43E+06	-	1.56	60.2	
13C4-Benzo (a) Pyrene	32.69		1.0036	1.0031	-1.0	1.23E+06	-	1.23	66.1	
d12-Perylene	32.95		1.0112	1.0112	0	9.58E+05	-	1.13	56.1	
13C6-Indeno (1,2,3-cd) Pyrene	39.00		1.1968	1.1968	0	7.87E+05	-	0.85	61	
13C6-Dibenzo (ah) Anthracene	39.21		1.2031	1.2033	+0.4	7.31E+05	-	0.94	51.2	
13C12-Benzo (ghi) Perylene	40.83		1.2539	1.2527	-2.3	9.93E+05	-	1.33	49.3	
AS--Anthracene	20.94		1.2748	1.2750	+0.2	3.11E+06	-	1.17	vs JS	84.1
FS--Anthracene								0.87	vs ES	107
SS-Fluorene	18.03		0.9956	0.9951	-0.5	1.82E+06	-	1.00		93.8
SS-Terphenyl	24.93		1.0396	1.0396	0	3.12E+06	-	0.79		94.3
JS-Methylnaphthalene	12.90		-	-	-	4.49E+06	-	-		-
JS-Acenaphthene	16.42		-	-	-	3.16E+06	-	-		-
JS-Pyrene	24.51		-	-	-	5.47E+06	-	-		-
JS-Benzo (a) Pyrene	32.59		-	-	-	1.52E+06	-	-		-

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
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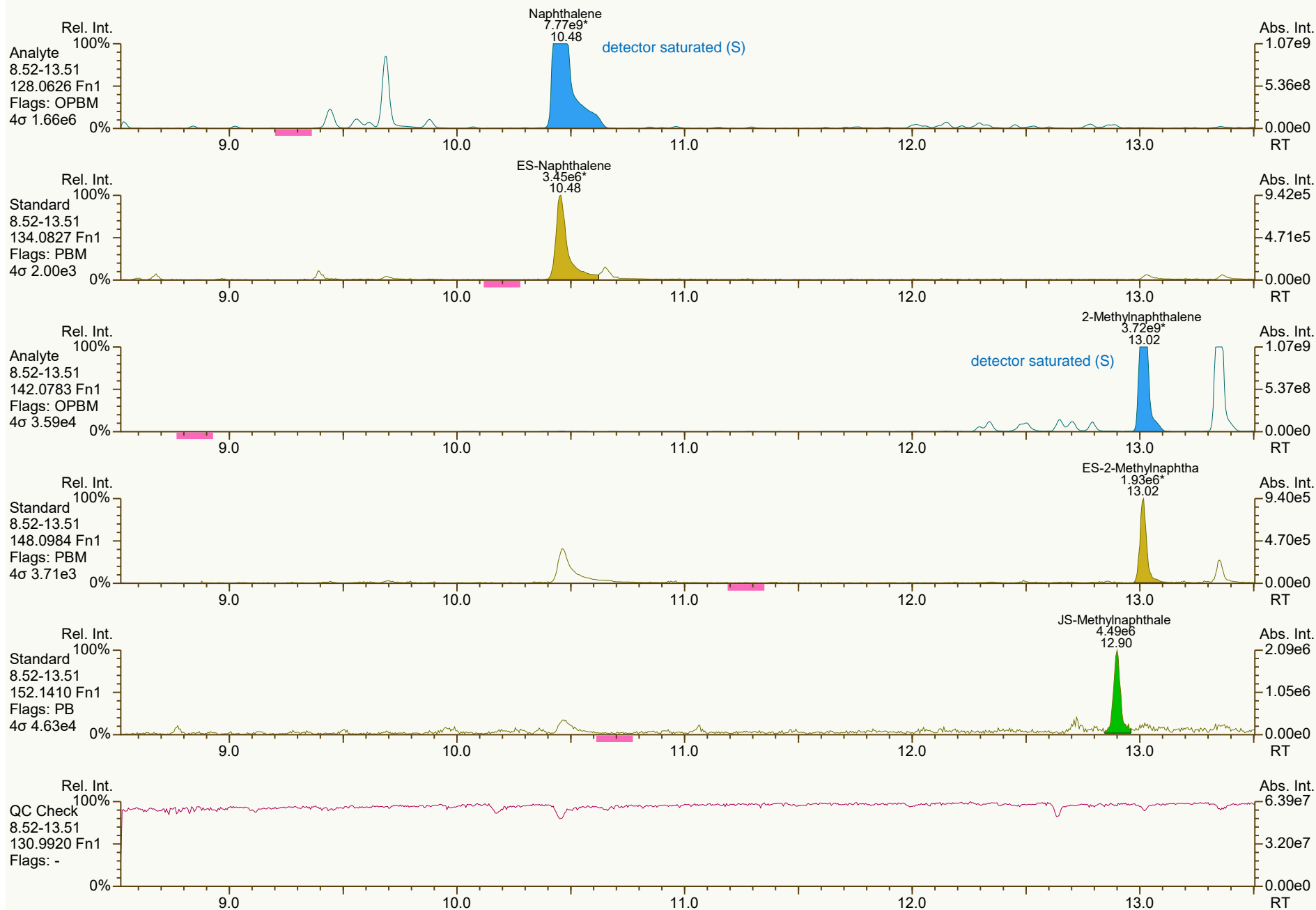
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 052-413

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:29 Page 1 of 9

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
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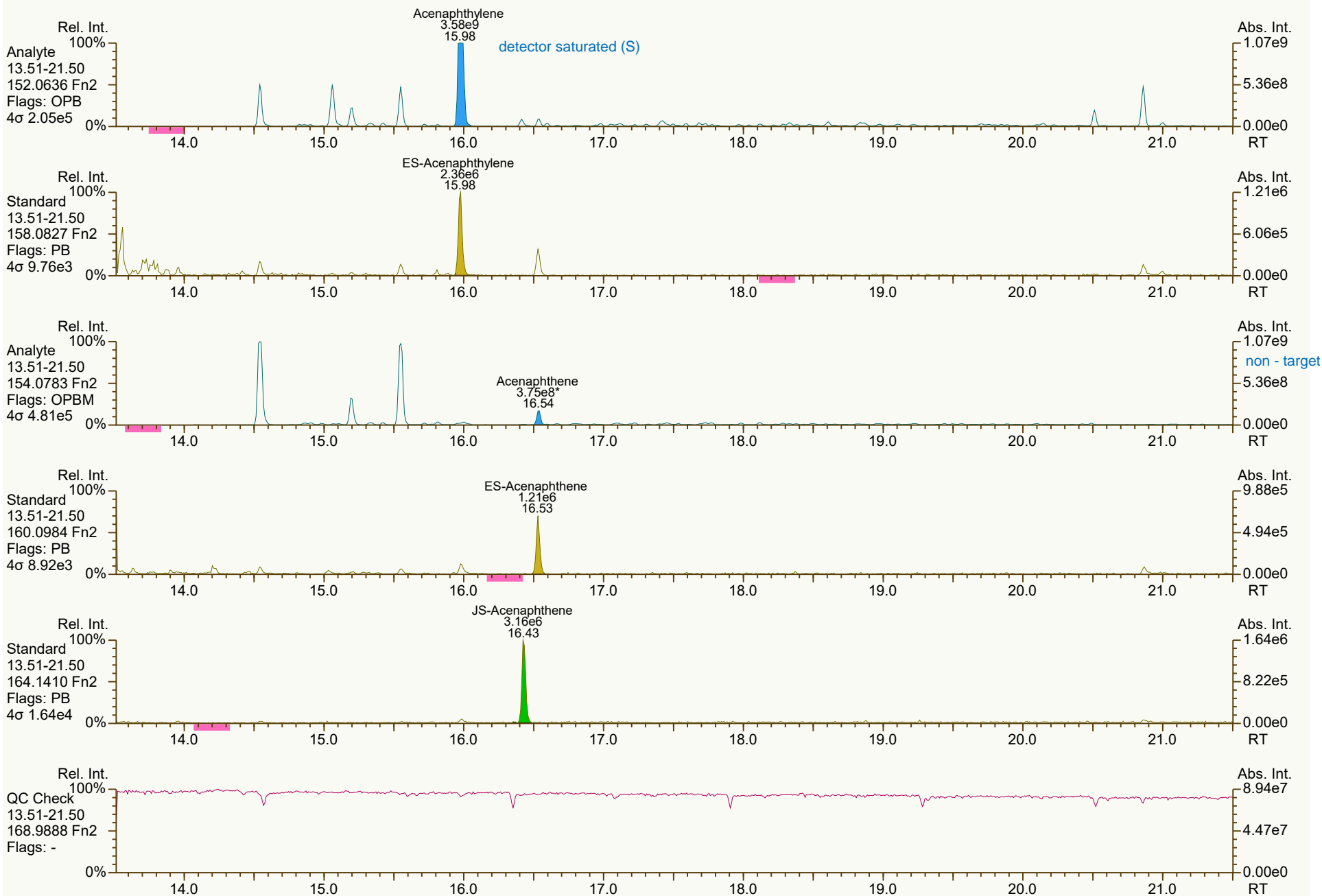
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:16 (DTF) Printed: 15-Oct-2024 11:29 Page 2 of 9

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
VSIR EI+ Expt: pah GC: pah Vial: 84

Acq: 14-Oct-2024 21:48:35
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:16 (DTF) Printed: 15-Oct-2024 11:29 Page 3 of 9

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
VSIR EI+ Expt: pah GC: pah Vial: 84

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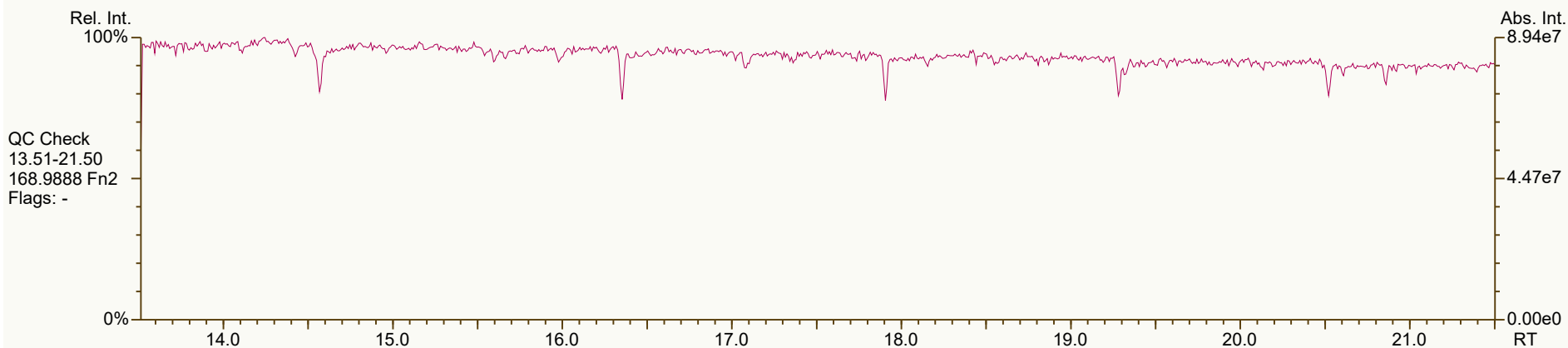
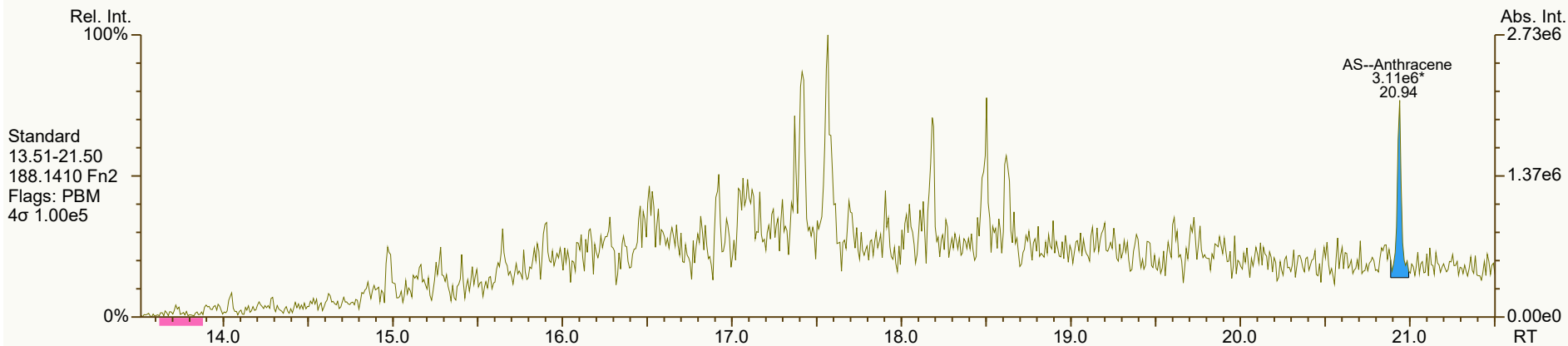
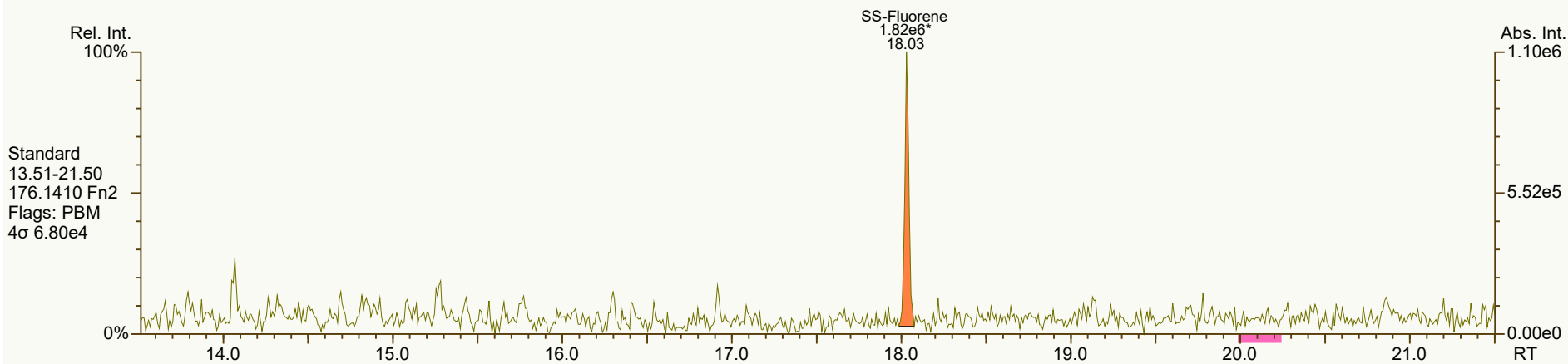
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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 10:17 Printed: 15-Oct-2024 11:29 Page 4 of 9

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
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User: DTF Datafile: 241014V17



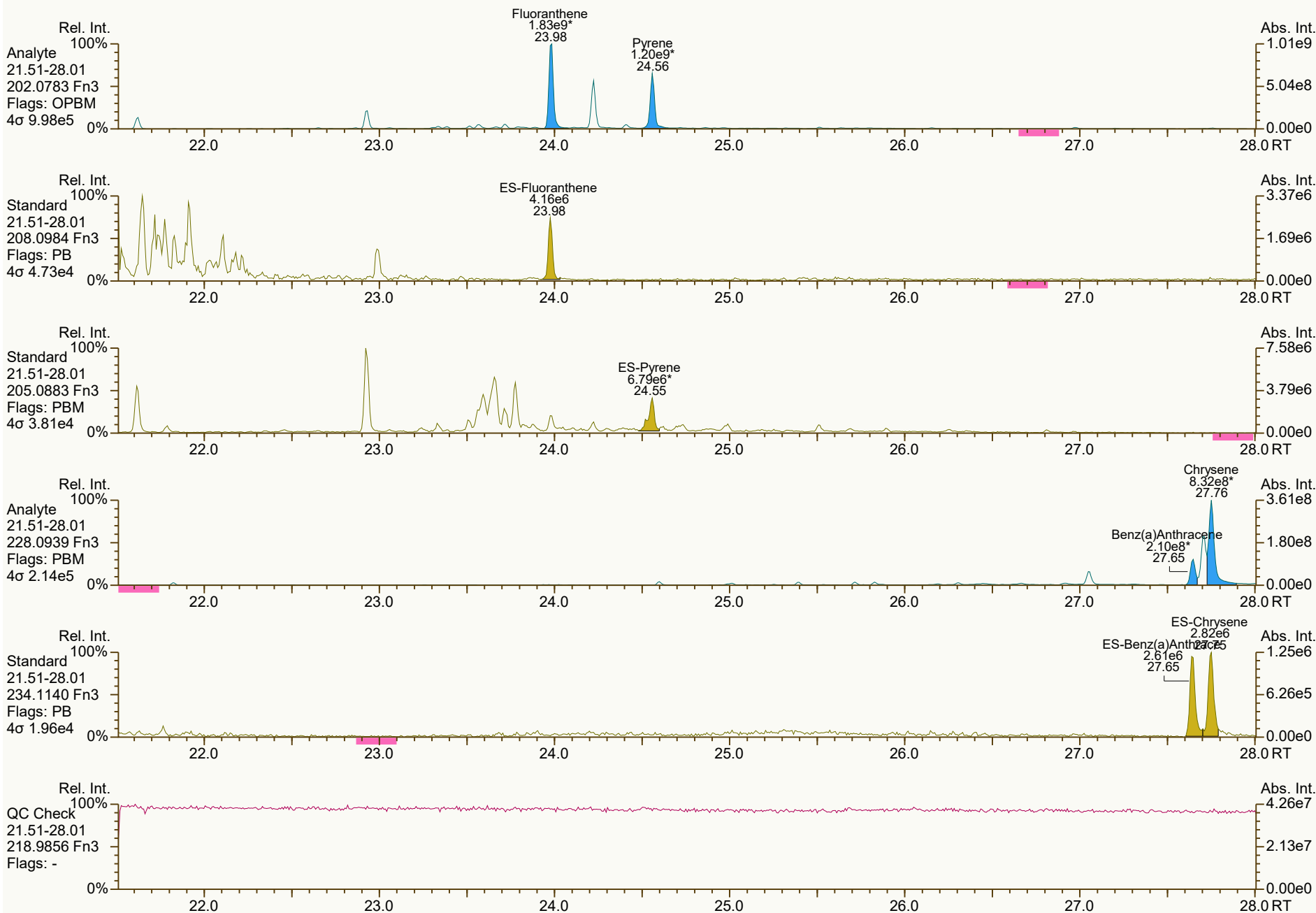
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:16 (DTF) Printed: 15-Oct-2024 11:29 Page 5 of 9

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
VSIR EI+ Expt: pah GC: pah Vial: 84

Acq: 14-Oct-2024 21:48:35
User: DTF Datafile: 241014V17



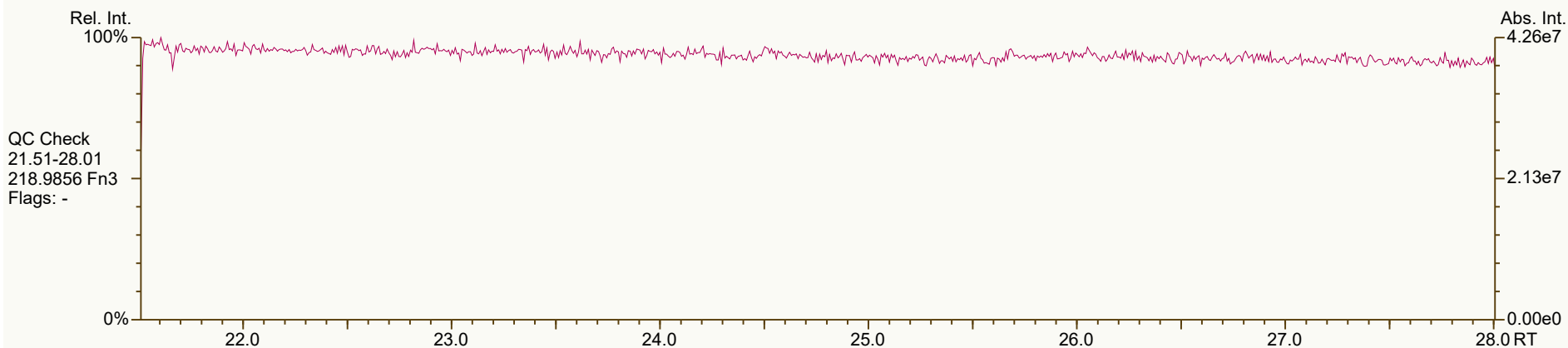
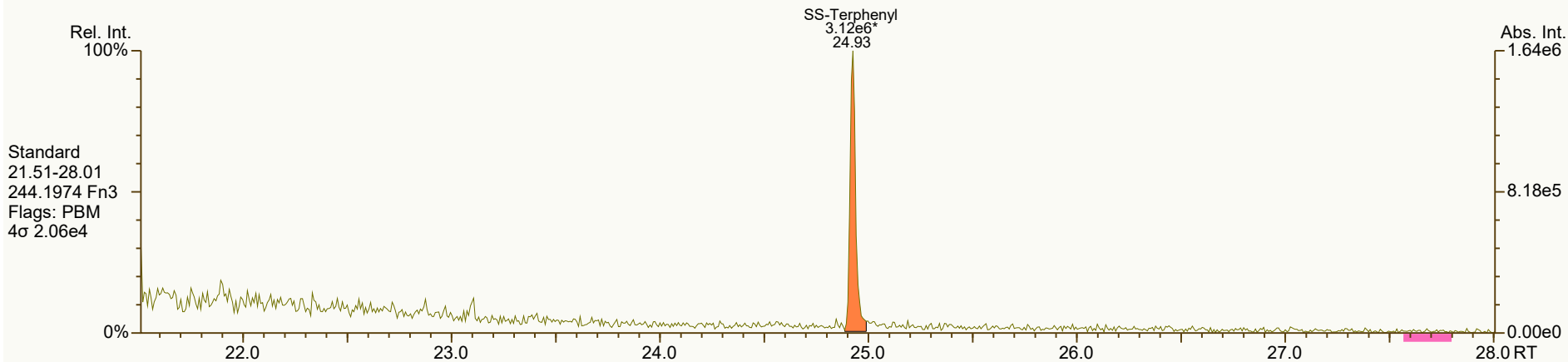
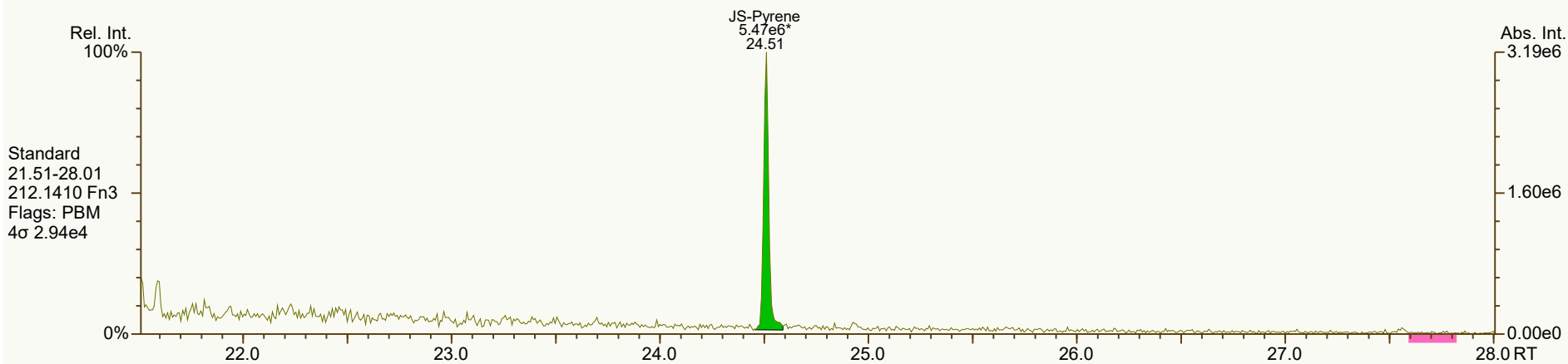
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:17 (DTF) Printed: 15-Oct-2024 11:29 Page 6 of 9

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
VSIR EI+ Expt: pah GC: pah Vial: 84

Acq: 14-Oct-2024 21:48:35
User: DTF Datafile: 241014V17



SGS ID: B9935_21527_PAH_002-D10

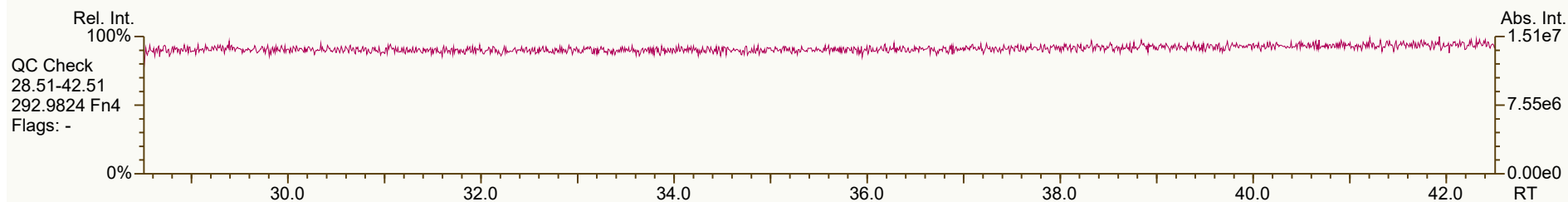
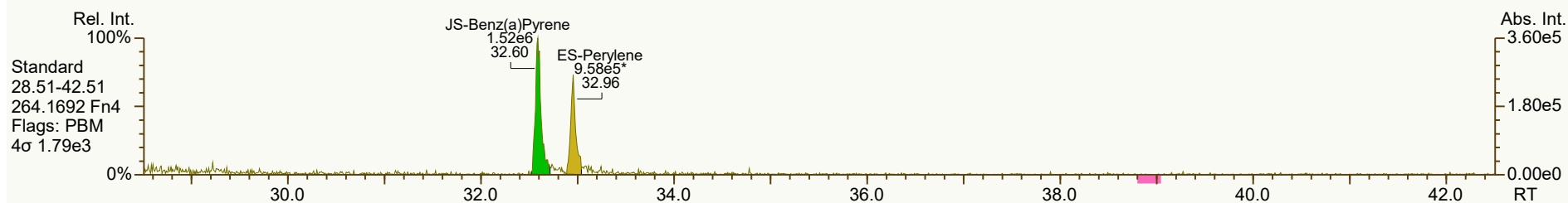
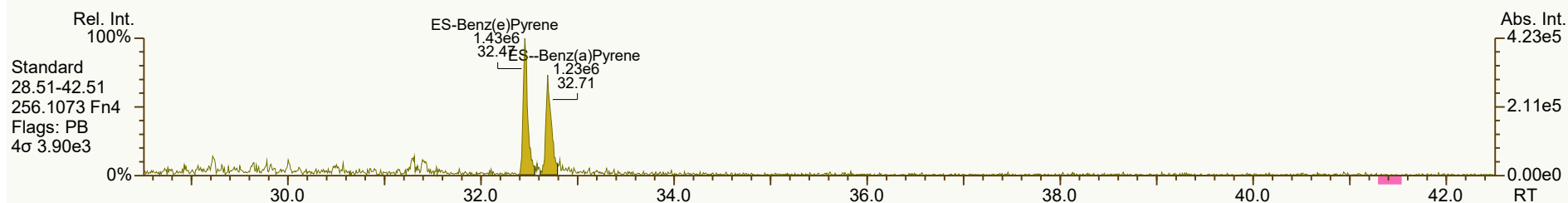
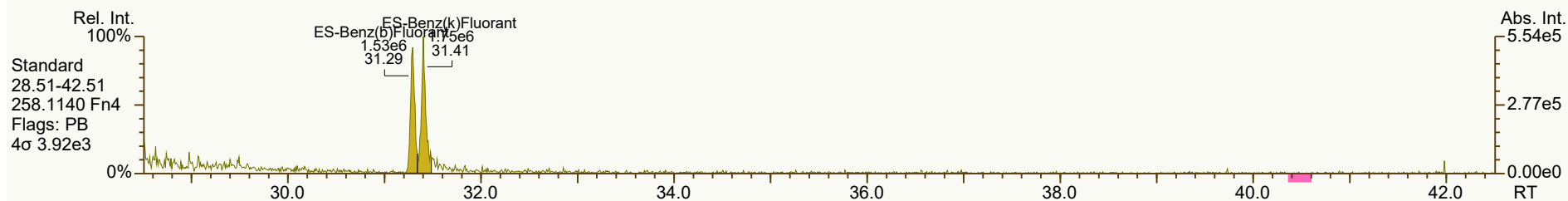
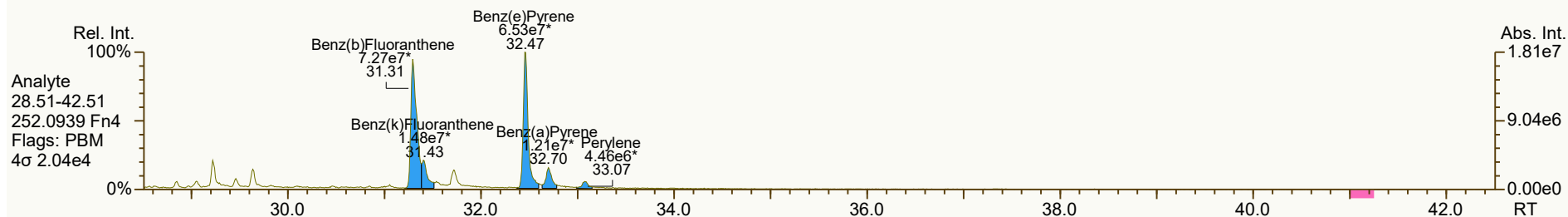
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2

VSIR EI+ Expt: pah GC: pah Vial: 84

Acq: 14-Oct-2024 21:48:35

User: DTF Datafile: 241014V17



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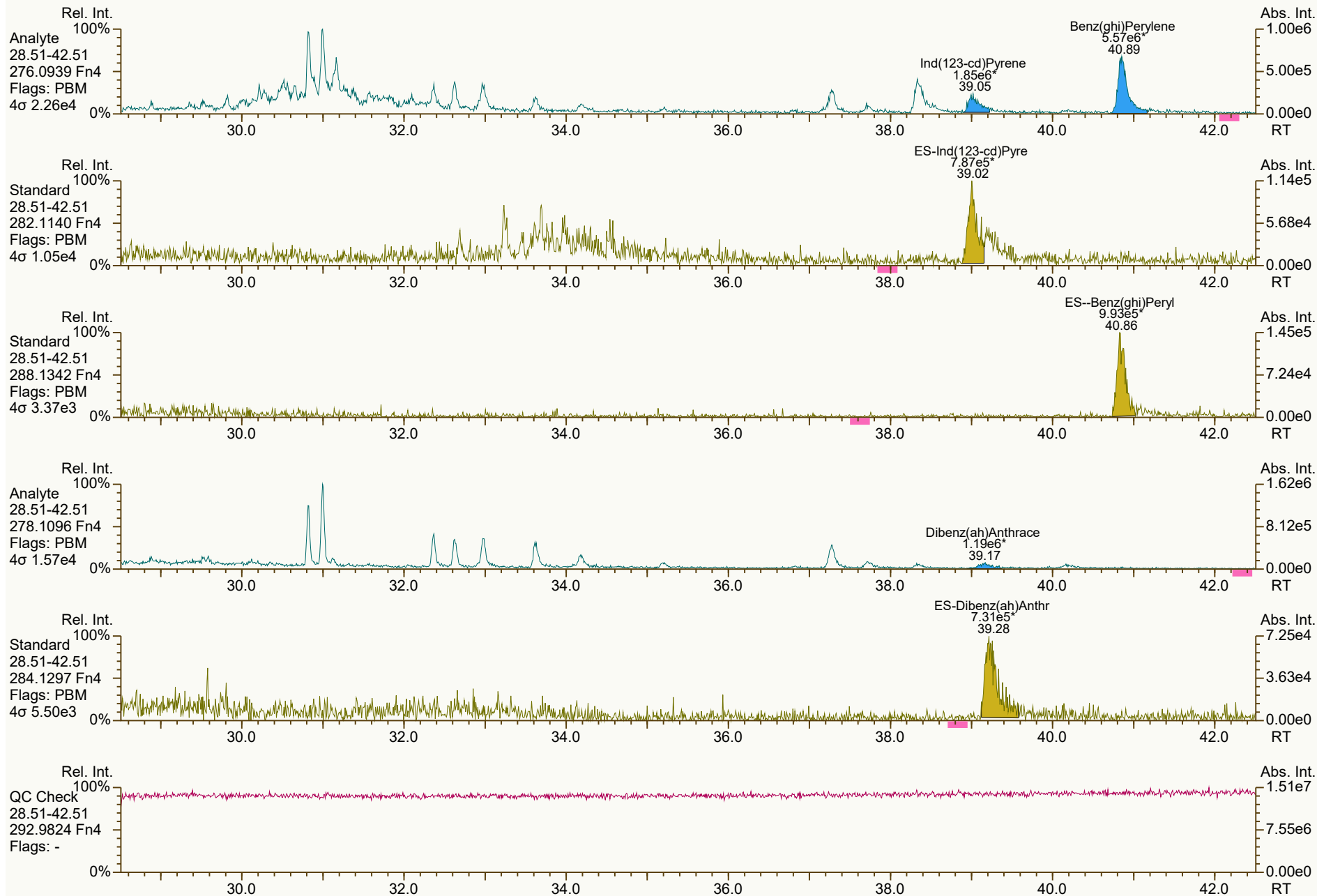
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:17 (DTF) Printed: 15-Oct-2024 11:29 Page 8 of 9

SGS ID: B9935_21527_PAH_002-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #2
VSIR EI+ Expt: pah GC: pah Vial: 84

Acq: 14-Oct-2024 21:48:35
User: DTF Datafile: 241014V17



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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:17 (DTF) Printed: 15-Oct-2024 11:29 Page 9 of 9

Stats	PAH Ax	ES/SS	Checkcode: 427-993-QBC
Largest +ve RT shift (secs)	1.2	7.4	
Largest -ve RT shift (secs)	-2.1	-1.0	

	Actual		Pred	Actual	Diff	Conc					
Name	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.43	E S	1.0005	0.9989	-1.0	5.64E+09	-	0.99	104000	1.13E+06	160.0000
2-Methylnaphthalene	13.01	E S	1.0004	1.0004	0	2.57E+09	-	1.01	74100	3.82E+04	5.09000
Acenaphthylene	15.97	E	1.0006	1.0006	0	1.85E+09	-	0.92	46800	1.03E+05	13.60000
Acenaphthene	16.52	E	1.0005	1.0000	-0.5	1.13E+08	-	1.01	4100	1.17E+05	21.00000
Fluorene	18.11	E	1.0005	1.0000	-0.5	2.88E+08	-	1.02	8190	4.87E+04	6.26000
Phenanthrene	20.83	E S	1.0004	0.9996	-1.0	2.65E+09	-	1.00	35900	5.80E+04	3.10000
Anthracene	20.99	E	1.0000	1.0004	+0.5	2.15E+08	-	1.23	3020	5.80E+04	3.68000
Fluoranthene	23.97	E	1.0000	1.0003	+0.4	5.00E+08	-	0.92	7140	1.09E+05	7.04000
Pyrene	24.54	E	1.0000	1.0000	0	2.00E+08	-	0.98	2030	1.09E+05	6.24000
Benzo (a) Anthracene	27.64		1.0000	1.0003	+0.5	7.12E+06	-	1.00	190	7.61E+04	10.70000
Chrysene	27.74	E	1.0003	1.0003	0	8.56E+07	-	1.01	1840	7.61E+04	10.90000
Benzo (b) Fluoranthene	31.29		1.0000	1.0003	+0.6	3.90E+06	-	0.98	201	1.14E+04	5.02000
Benzo (k) Fluoranthene	31.38		1.0003	0.9992	-2.1	9.54E+05	-	0.92	37.5	1.14E+04	5.16000
Benzo (e) Pyrene	32.46		1.0000	0.9997	-0.6	3.37E+06	-	0.98	176	1.14E+04	6.42000
Benzo (a) Pyrene	32.72		0.9997	1.0003	+1.2	4.27E+05	-	0.98	34.8	1.14E+04	10.90000
Perylene	-		1.0039	0.0000		0.00E+00	-	1.06	ND	1.14E+04	11.10000
Indeno (1,2,3-cd) Pyrene	-		1.0004	0.0000		0.00E+00	-	0.92	ND	1.10E+04	24.20000
Dibenzo (a,h) Anthracene	-		1.0007	0.0000		0.00E+00	-	0.94	ND	9.22E+03	21.00000
Benzo (ghi) Perylene	40.88		1.0006	0.9998	-2.0	4.07E+05	-	0.97	34.5	1.10E+04	24.70000

Datafile: 241014V18

Client ID: Test #3

Wt/Vol: 1.00 Train

MM6_PAH_ICAL_05MAR2024

Acquired: 14 Oct 2024 22:35:19

Lab ID: B9935_21527_PAH_003-D10

J Level: 4 ng/Train

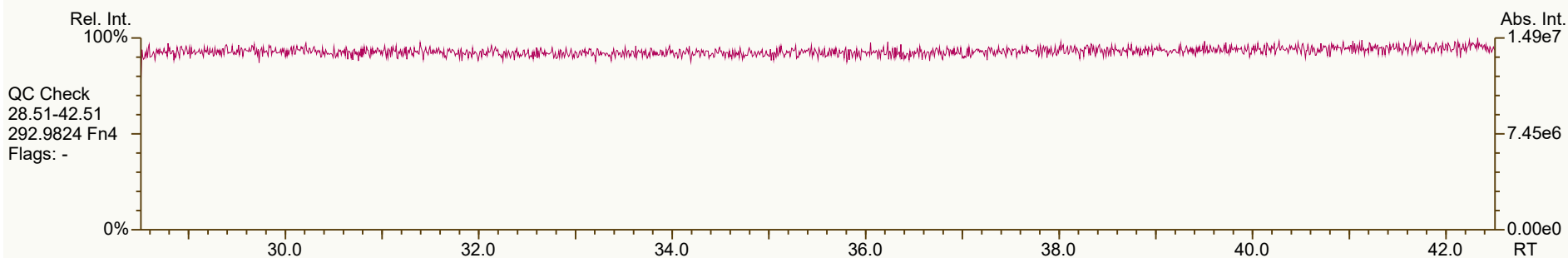
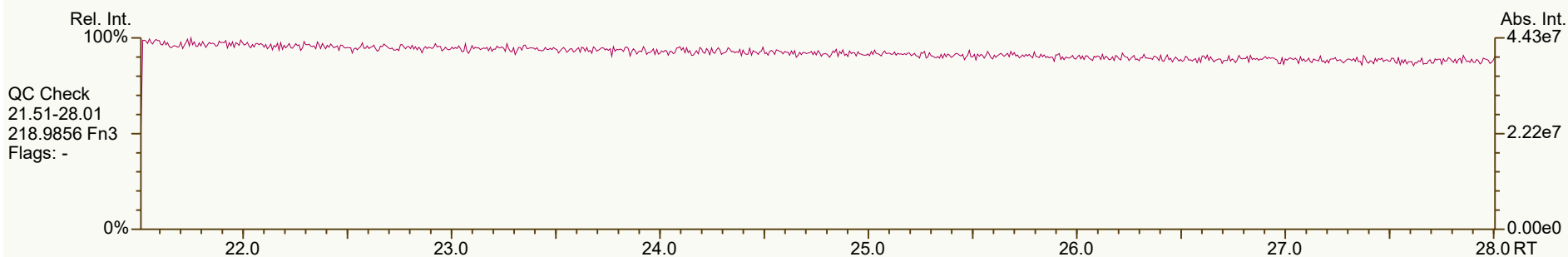
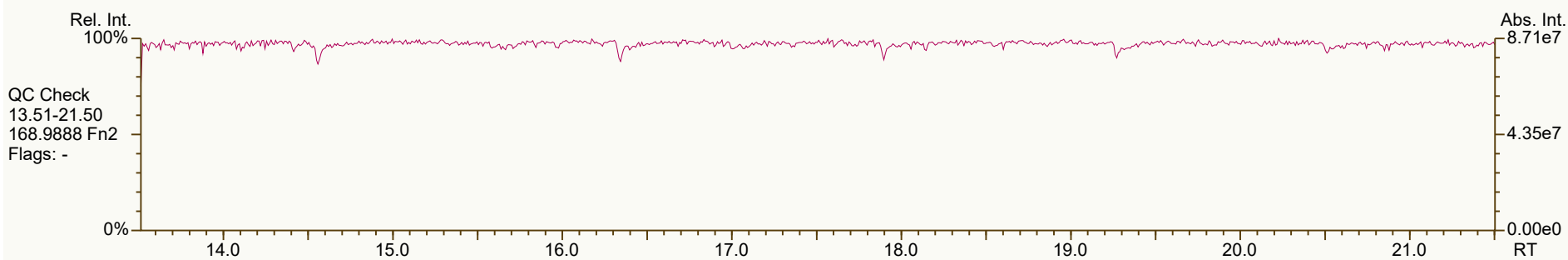
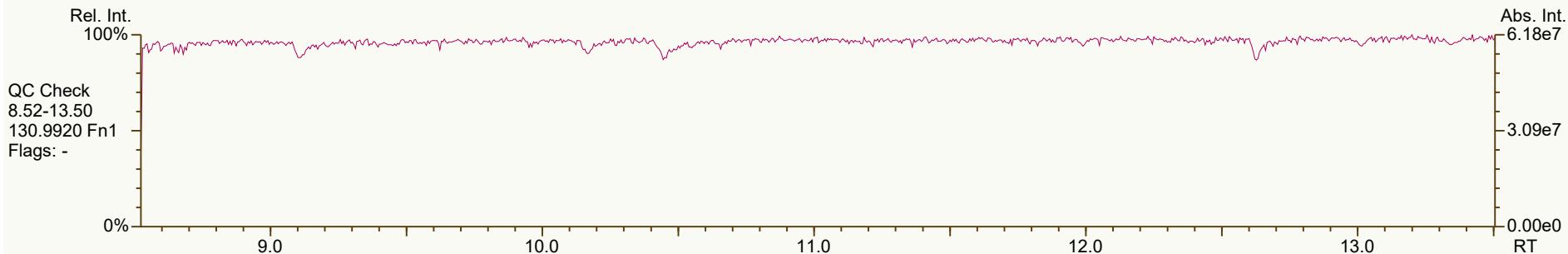
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS						Checkcode: 427-993-QBC
Largest +ve RT shift (secs)			1.2	7.4						
Largest -ve RT shift (secs)			-2.1	-1.0						
		Actual	Pred	Actual	Diff					
Name	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.44		0.8088	0.8100	+0.9	2.19E+06	-	1.35	49.3	
13C6-2-Methylnaphthalene	13.01		1.0086	1.0090	+0.3	1.38E+06	-	0.99	42.3	
13C6-Acenaphthylene	15.96		0.9717	0.9717	0	1.72E+06	-	1.37	51.7	
13C6-Acenaphthene	16.52		1.0060	1.0060	0	1.08E+06	-	0.91	49.1	
13C6-Fluorene	18.11		1.1028	1.1027	-0.1	1.38E+06	-	1.09	52.1	
13C6-Phenanthrene	20.84		1.2693	1.2690	-0.3	2.97E+06	-	1.91	64	
13C6-Anthracene	20.98		1.2780	1.2772	-0.8	2.31E+06	-	1.35	70.7	
13C6-Fluoranthene	23.96		0.9785	0.9782	-0.4	3.06E+06	-	1.23	65.5	
13C3-Pyrene	24.54		1.0023	1.0020	-0.4	4.02E+06	-	1.23	85.7	
13C6-Benzo (a) Anthracene	27.63		1.1284	1.1280	-0.6	1.49E+06	-	0.86	45.5	
13C6-Chrysene	27.74		1.1326	1.1323	-0.4	1.84E+06	-	1.19	40.7	
13C6-Benzo (b) Fluoranthene	31.28		0.9602	0.9597	-1.0	7.89E+05	-	1.28	77.3	
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9633	-0.6	1.11E+06	-	1.82	76.2	
13C4-Benzo (e) Pyrene	32.47		0.9961	0.9961	0	7.87E+05	-	1.56	63.1	
13C4-Benzo (a) Pyrene	32.71		1.0036	1.0034	-0.4	4.99E+05	-	1.23	50.9	
dl2-Perylene	32.95		1.0112	1.0109	-0.6	4.99E+05	-	1.13	55.4	
13C6-Indeno(1,2,3-cd) Pyrene	39.04		1.1968	1.1978	+2.0	3.64E+05	-	0.85	53.5	
13C6-Dibenzo (ah) Anthracene	39.34		1.2031	1.2069	+7.4	3.02E+05	-	0.94	40.2	
13C12-Benzo (ghi) Perylene	40.89		1.2539	1.2542	+0.6	4.87E+05	-	1.33	45.9	
AS--Anthracene	20.92		1.2748	1.2739	-0.9	2.34E+06	-	1.17	vs JS	82.1
FS--Anthracene								0.87	vs ES	116
SS-Fluorene	18.02	V	0.9956	0.9951	-0.5	5.98E+05	-	1.00		43.2
SS-Terphenyl	24.91	V	1.0396	1.0396	0	9.37E+05	-	0.79		38.6
JS-Methylnaphthalene	12.89		-	-	-	3.29E+06	-	-		-
JS-Acenaphthene	16.42		-	-	-	2.43E+06	-	-		-
JS-Pyrene	24.50		-	-	-	3.80E+06	-	-		-
JS-Benzo (a) Pyrene	32.60		-	-	-	7.99E+05	-	-		-

SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

Acq: 14-Oct-2024 22:35:19
User: DTF Datafile: 241014V18



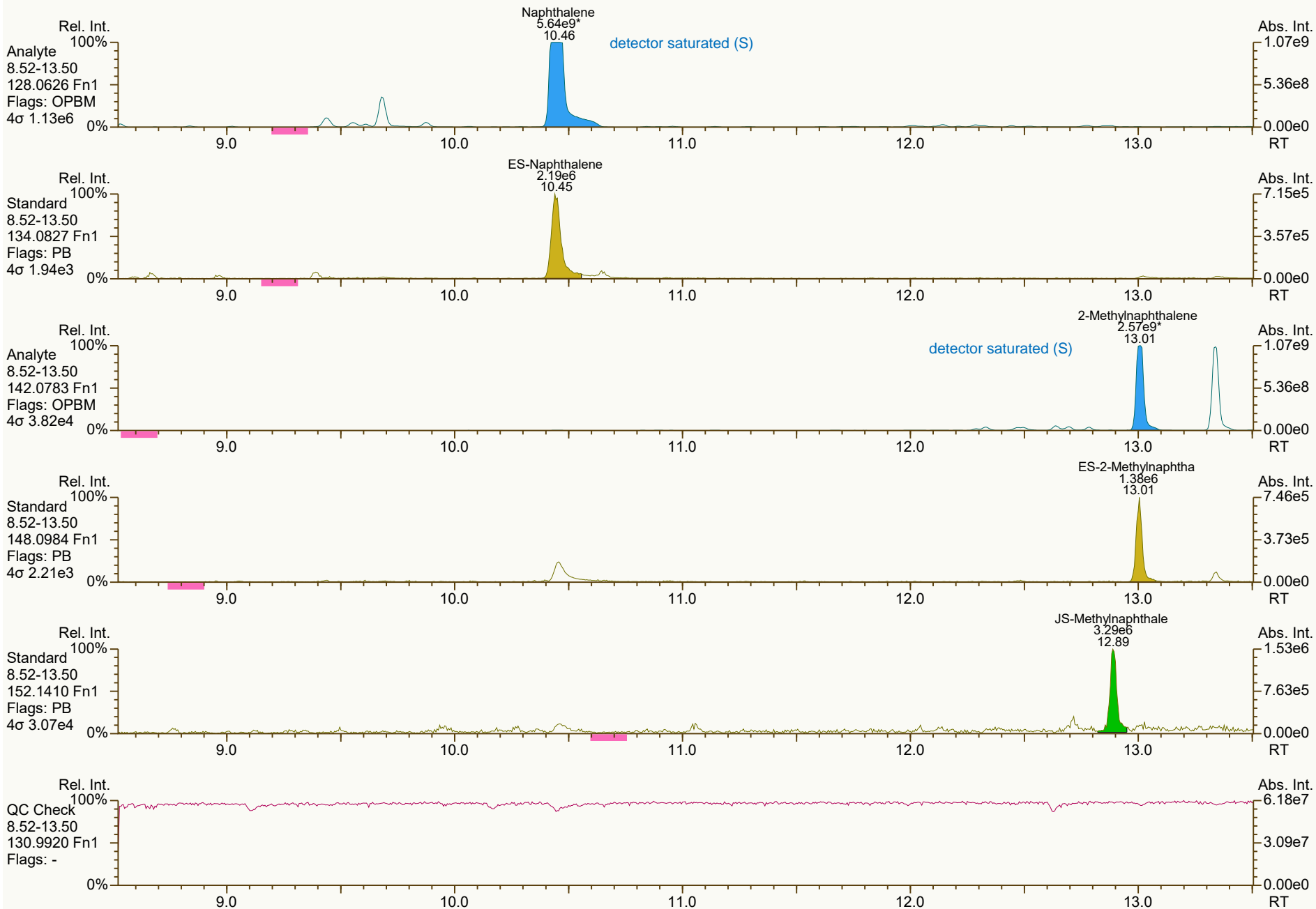
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 427-993

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:29 Page 1 of 9

SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

Acq: 14-Oct-2024 22:35:19
User: DTF Datafile: 241014V18



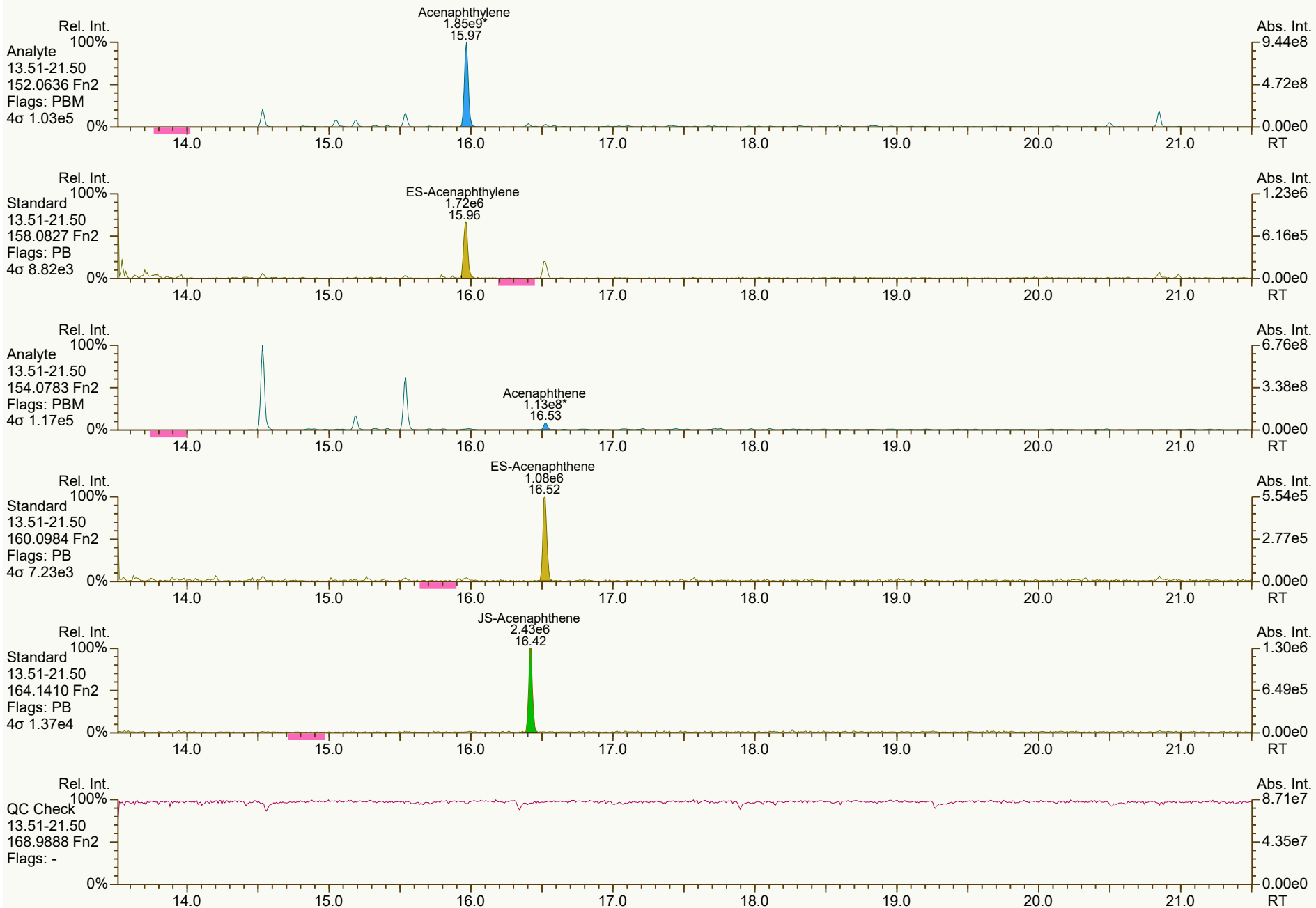
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:20 (DTF) Printed: 15-Oct-2024 11:29 Page 2 of 9

SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

Acq: 14-Oct-2024 22:35:19
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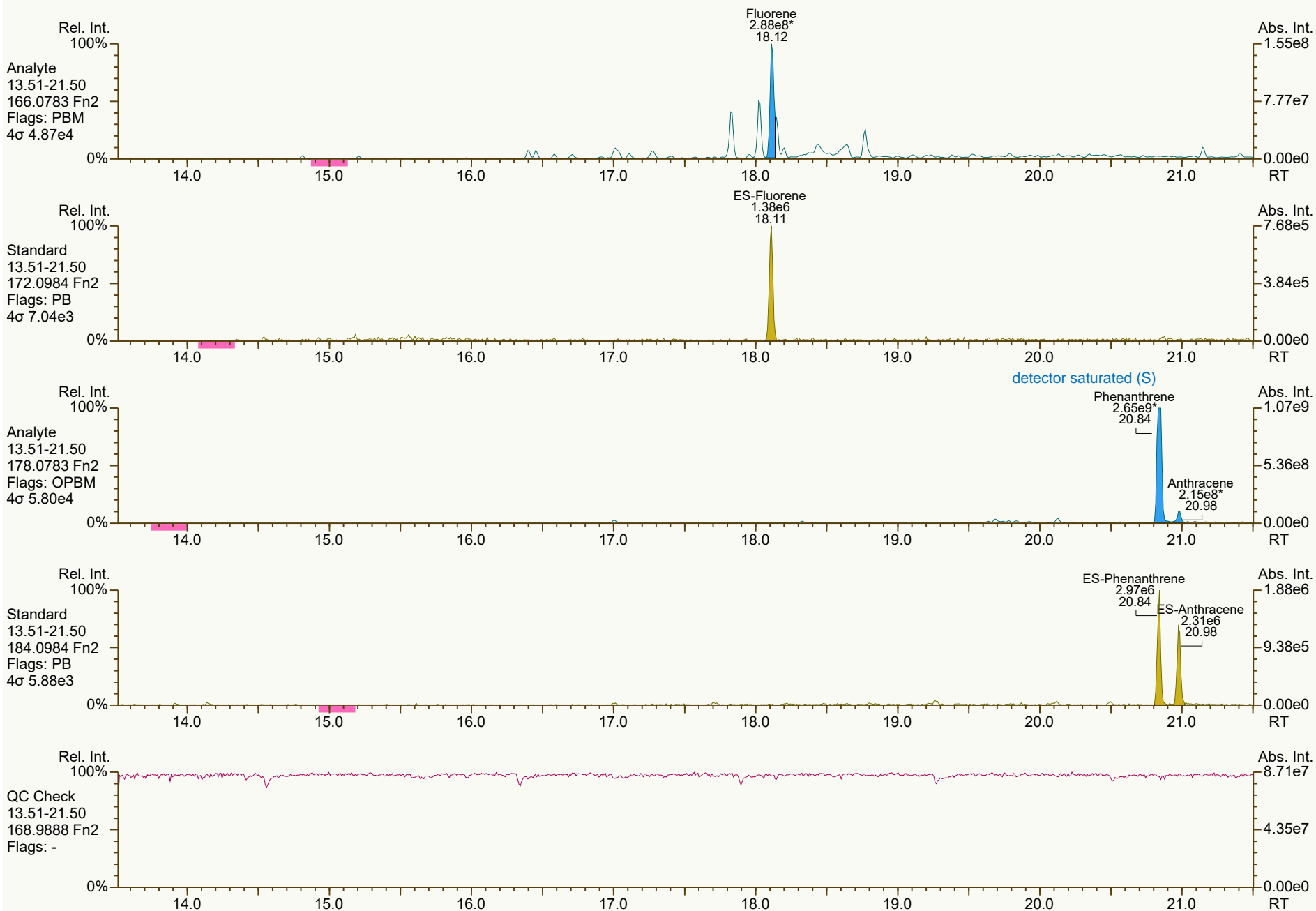
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:20 (DTF) Printed: 15-Oct-2024 11:29 Page 3 of 9

SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

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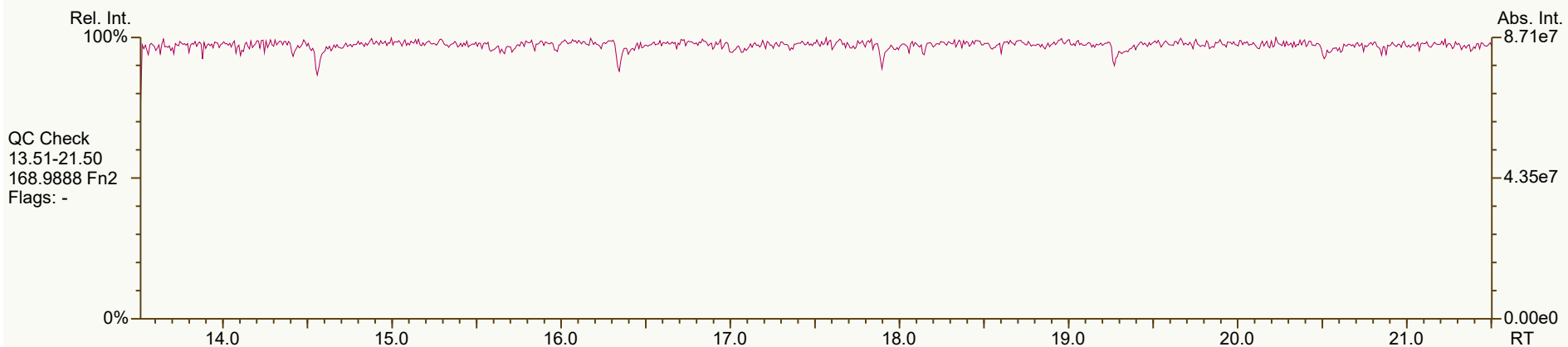
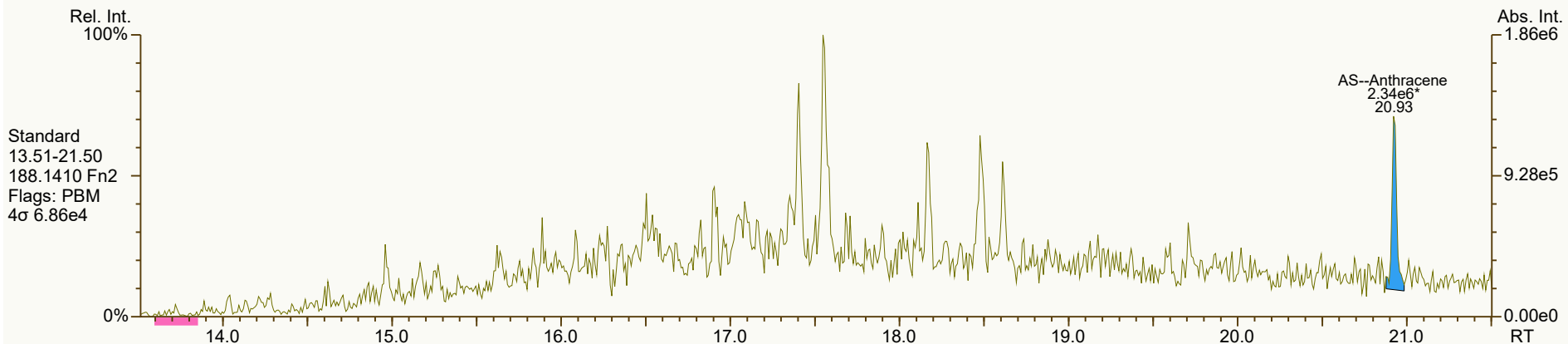
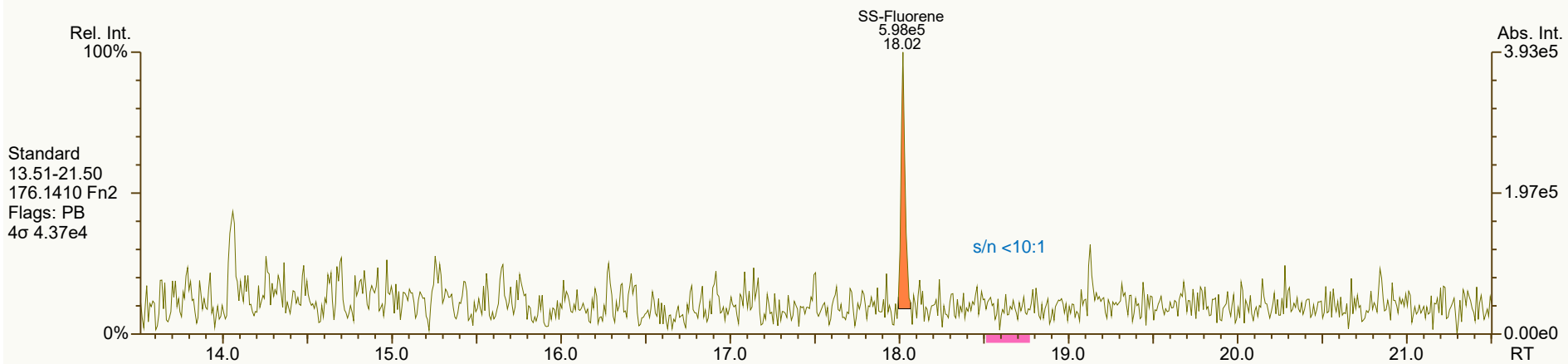
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:20 (DTF) Printed: 15-Oct-2024 11:29 Page 4 of 9

SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

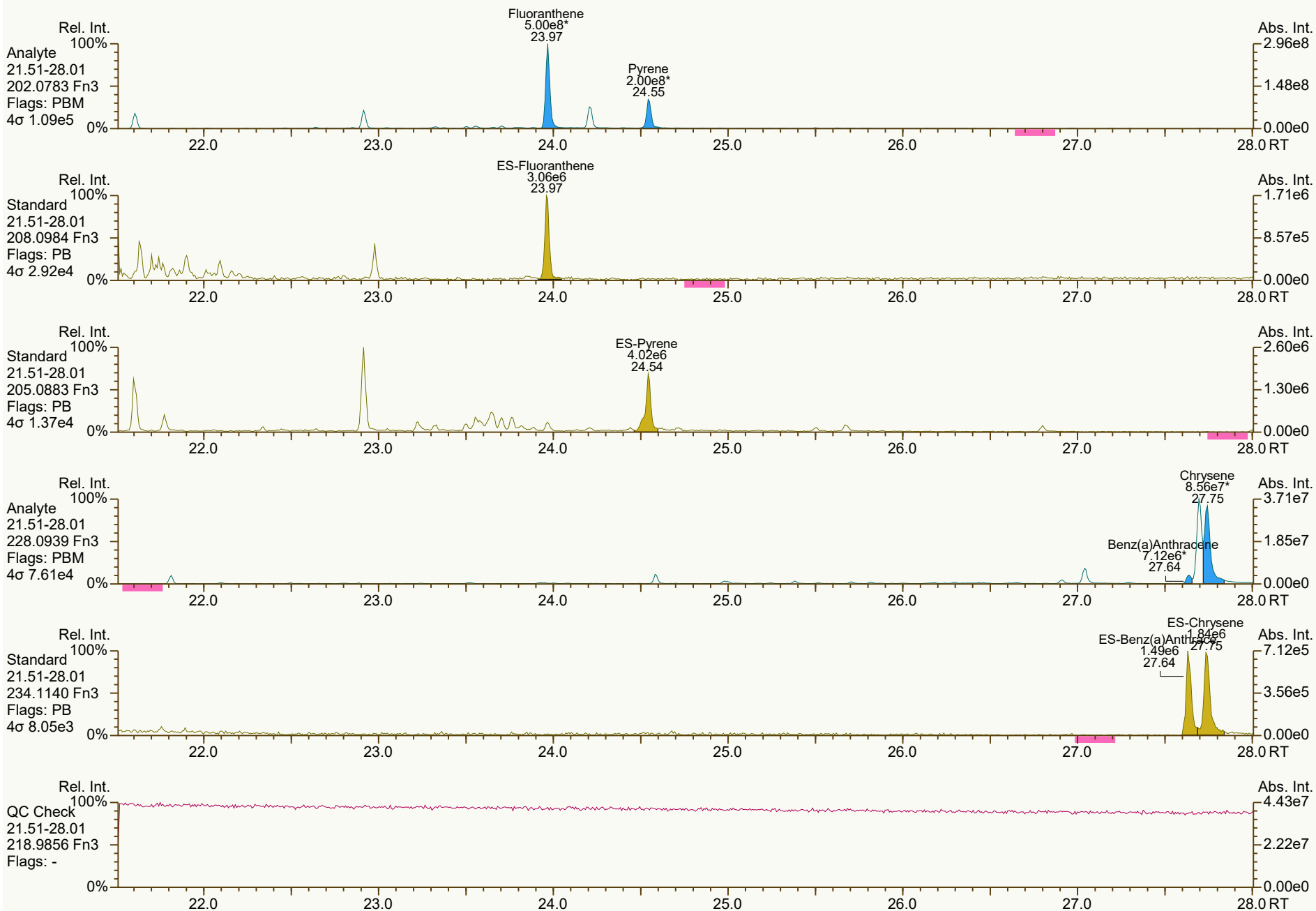
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SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

Acq: 14-Oct-2024 22:35:19
User: DTF Datafile: 241014V18



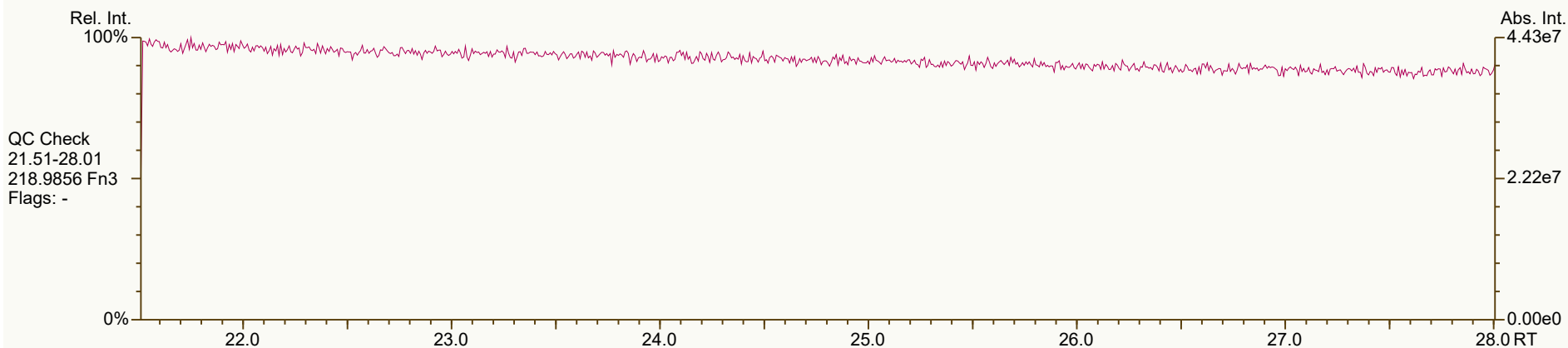
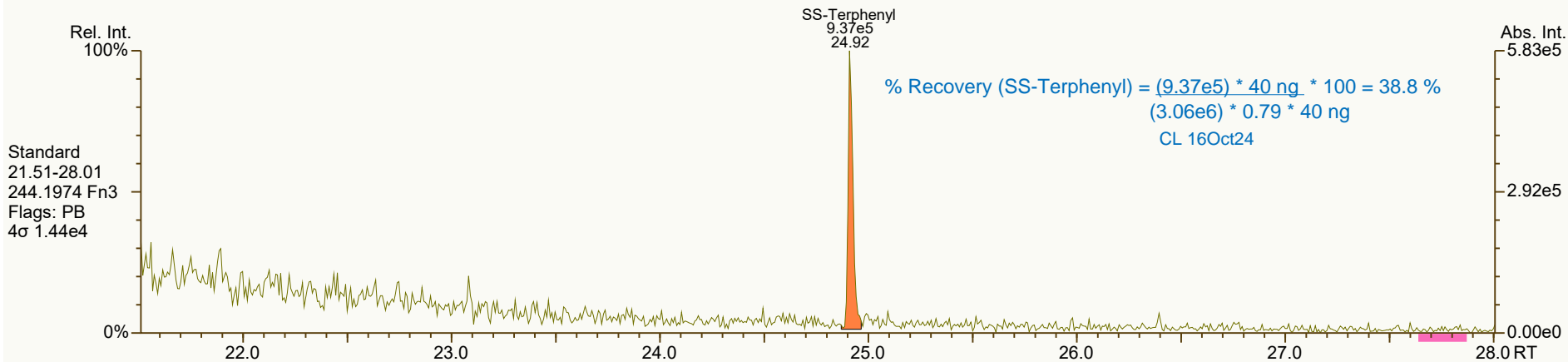
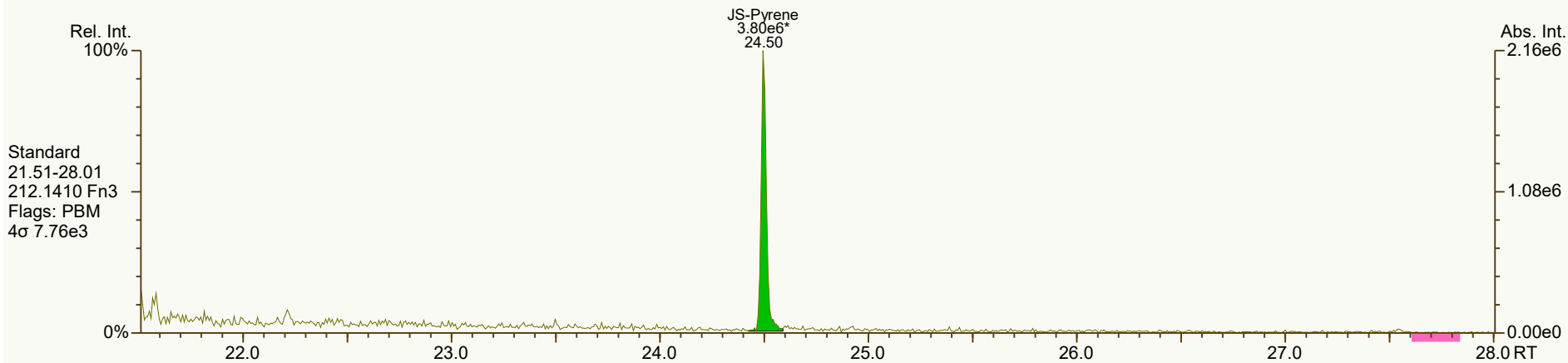
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3511, 0565, 2459, 0737, 1139 scc: 427-993

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:19 (DTF) Printed: 15-Oct-2024 11:29 Page 6 of 9

SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

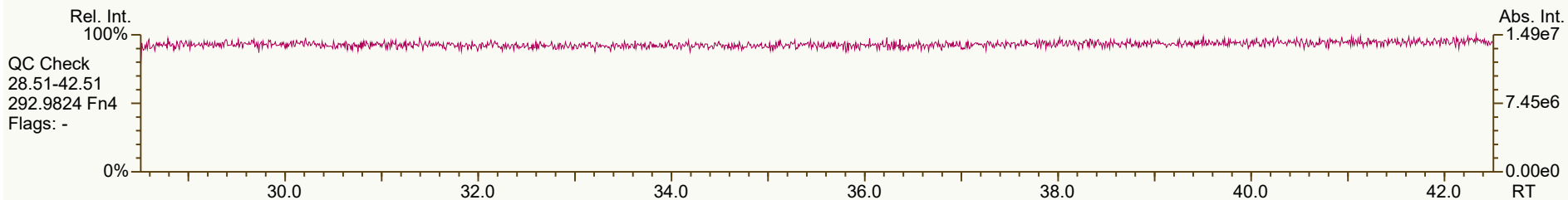
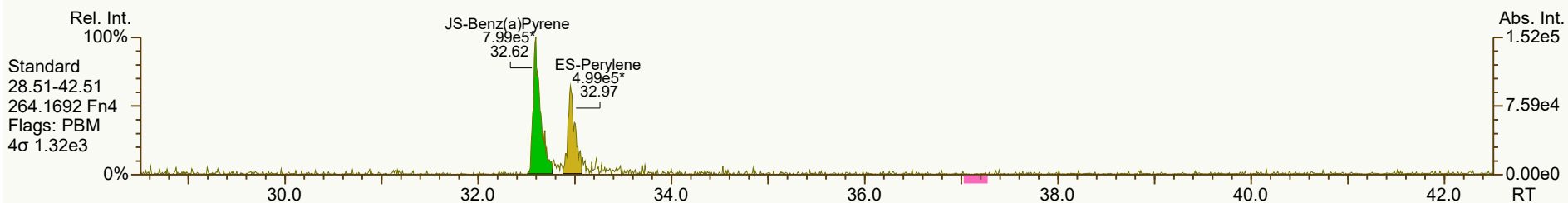
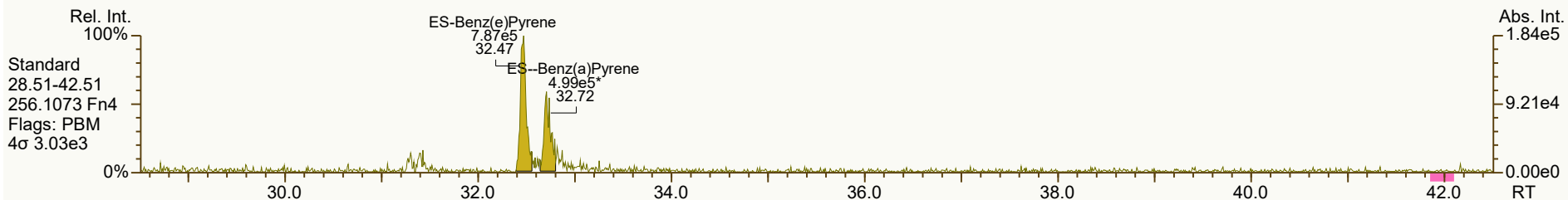
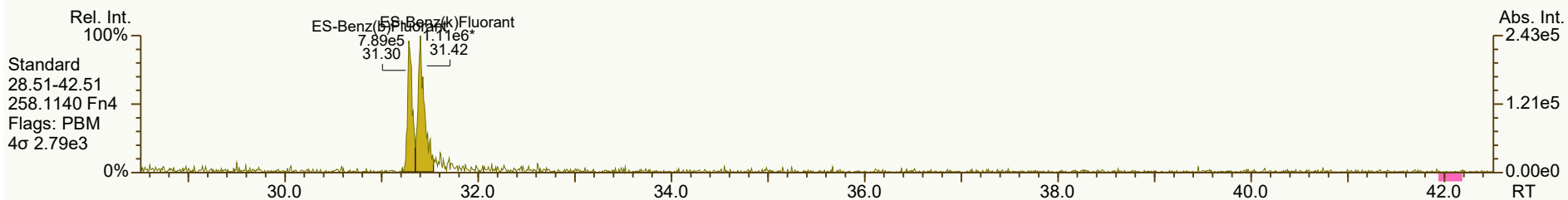
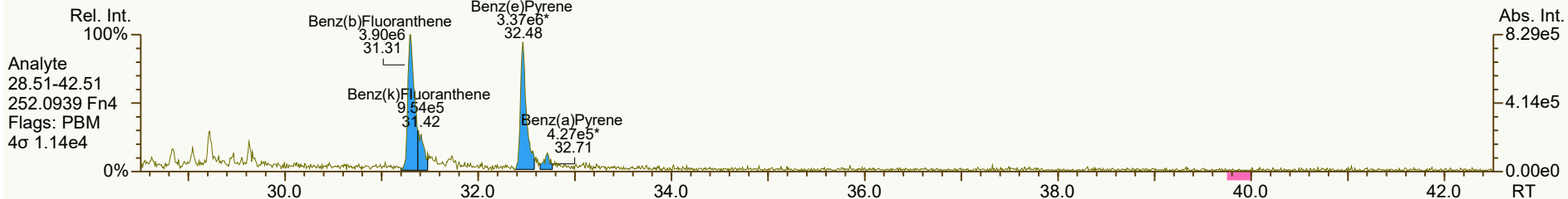
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SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

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Results: P:\B9900_B9999\B9935\B9935_21527_PAH\Resources\B9935_21527_PAH_003-D10.utp_res, saved 15-Oct-2024 10:48 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5228, 0493, 0589, 9953 scc: 427-993

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:19 (DTF) Printed: 15-Oct-2024 11:29 Page 8 of 9

SGS ID: B9935_21527_PAH_003-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #3
VSIR EI+ Expt: pah GC: pah Vial: 85

Acq: 14-Oct-2024 22:35:19
User: DTF Datafile: 241014V18



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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5519, 4233, 9690, 1086, 3886 scc: 427-993

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:19 (DTF) Printed: 15-Oct-2024 11:29 Page 9 of 9

Stats	PAH Ax	ES/SS	Checkcode: 309-009-TGF
Largest +ve RT shift (secs)	1.2	2.2	
Largest -ve RT shift (secs)	-3.0	-1.2	

Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Conc	Noise	DL
	RT	QC	RRT	RRT	Secs				ng/Train		
Naphthalene	10.43	E S	1.0005	0.9968	-2.3	8.53E+09	-	0.99	83000	2.18E+06	192.0000
2-Methylnaphthalene	13.01	E S	1.0004	0.9987	-1.3	3.86E+09	-	1.01	71400	5.38E+04	5.05000
Acenaphthylene	15.97	E S	1.0006	0.9994	-1.2	3.55E+09	-	0.92	65000	2.56E+05	23.80000
Acenaphthene	16.53	E	1.0005	1.0000	-0.5	4.06E+08	-	1.01	13300	4.53E+05	63.90000
Fluorene	18.12	E	1.0005	1.0000	-0.5	9.32E+08	-	1.02	20600	1.21E+05	11.40000
Phenanthrene	20.83	E S	1.0004	0.9991	-1.6	3.49E+09	-	1.00	38400	1.43E+05	6.52000
Anthracene	20.99	E	1.0000	1.0004	+0.5	9.89E+08	-	1.23	10900	1.43E+05	7.74000
Fluoranthene	23.98	E	1.0000	1.0000	0	1.49E+09	-	0.92	17500	4.99E+05	25.70000
Pyrene	24.56	E	1.0000	1.0003	+0.4	7.60E+08	-	0.98	5830	4.99E+05	20.20000
Benzo (a) Anthracene	27.64	E	1.0000	1.0000	0	8.12E+07	-	1.00	1350	1.61E+05	14.90000
Chrysene	27.75	E	1.0003	1.0003	0	4.51E+08	-	1.01	6690	1.61E+05	12.80000
Benzo (b) Fluoranthene	31.30	E	1.0000	1.0003	+0.6	2.63E+07	-	0.98	731	1.70E+04	3.92000
Benzo (k) Fluoranthene	31.38		1.0003	0.9995	-1.5	5.92E+06	-	0.92	159	1.70E+04	4.38000
Benzo (e) Pyrene	32.45	E	1.0000	1.0003	+0.6	2.44E+07	-	0.98	655	1.70E+04	4.01000
Benzo (a) Pyrene	32.70		0.9997	1.0003	+1.2	3.03E+06	-	0.98	110	1.70E+04	6.22000
Perylene	33.06		1.0039	1.0036	-0.6	1.35E+06	-	1.06	56.3	1.70E+04	6.03000
Indeno (1,2,3-cd) Pyrene	38.99		1.0004	0.9991	-3.0	4.94E+05	-	0.92	28	1.43E+04	15.30000
Dibenzo (a,h) Anthracene	-		1.0007	0.0000		0.00E+00	-	0.94	ND	1.16E+04	19.90000
Benzo (ghi) Perylene	40.85		1.0006	1.0004	-0.5	2.01E+06	-	0.97	86.6	1.43E+04	13.30000

Datafile: 241014V19
Acquired: 14 Oct 2024 23:22:02

Client ID: Test #4
Lab ID: B9935_21527_PAH_004-D10

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

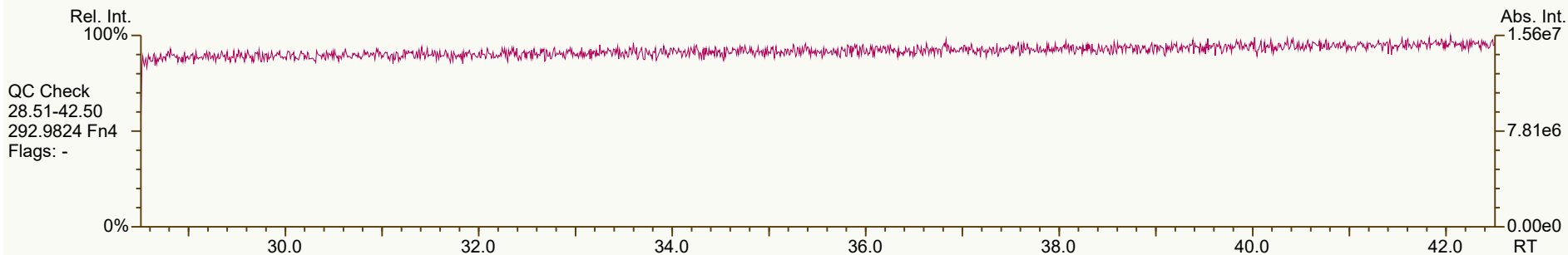
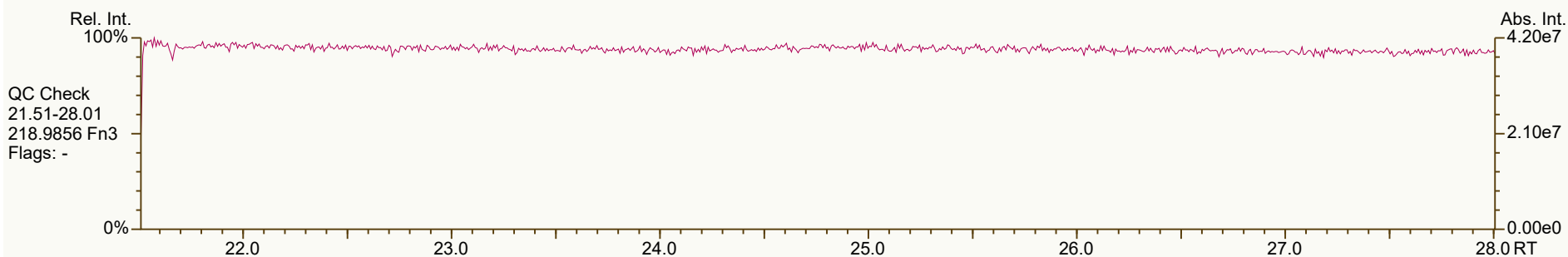
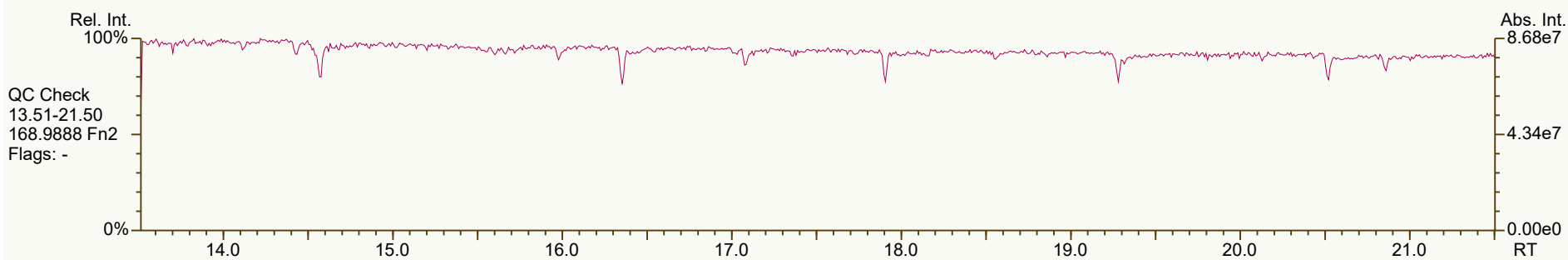
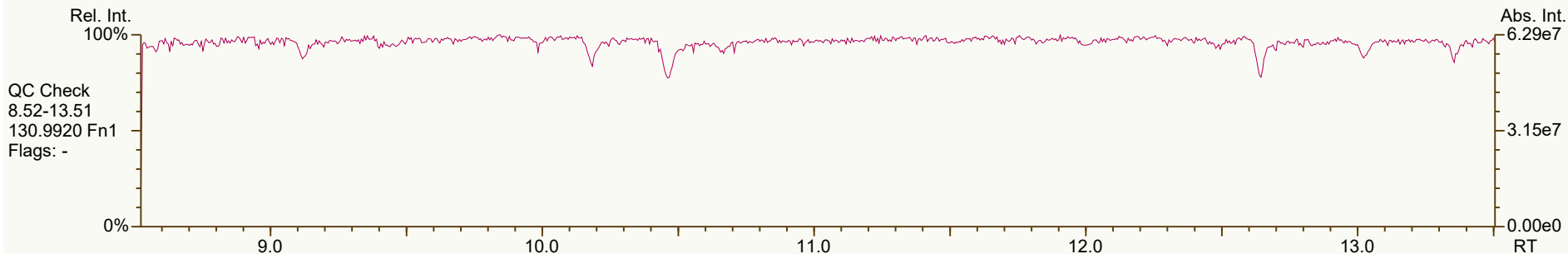
MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

Stats		PAH Ax	ES/SS	Checkcode: 309-009-TGF						
Largest +ve RT shift (secs)		1.2	2.2							
Largest -ve RT shift (secs)		-3.0	-1.2							
Name	Actual		Pred	Actual	Diff					
	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.46		0.8088	0.8110	+1.7	4.14E+06	-	1.35	81	
13C6-2-Methylnaphthalene	13.02		1.0086	1.0095	+0.7	2.14E+06	-	0.99	57	
13C6-Acenaphthylene	15.98		0.9717	0.9723	+0.6	2.37E+06	-	1.37	74.1	
13C6-Acenaphthene	16.53		1.0060	1.0060	0	1.21E+06	-	0.91	56.7	
13C6-Fluorene	18.12		1.1028	1.1027	-0.1	1.78E+06	-	1.09	69.6	
13C6-Phenanthrene	20.85		1.2693	1.2689	-0.4	3.65E+06	-	1.91	81.7	
13C6-Anthracene	20.99		1.2780	1.2770	-1.0	2.93E+06	-	1.35	93	
13C6-Fluoranthene	23.98		0.9785	0.9785	0	3.71E+06	-	1.23	74.3	
13C3-Pyrene	24.55		1.0023	1.0020	-0.4	5.32E+06	-	1.23	106	
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1280	-0.6	2.40E+06	-	0.86	68.4	
13C6-Chrysene	27.74		1.1326	1.1322	-0.6	2.68E+06	-	1.19	55.5	
13C6-Benzo (b) Fluoranthene	31.29		0.9602	0.9604	+0.4	1.47E+06	-	1.28	97	
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9638	+0.4	1.63E+06	-	1.82	75.3	
13C4-Benzo (e) Pyrene	32.44		0.9961	0.9958	-0.6	1.53E+06	-	1.56	82.5	
13C4-Benzo (a) Pyrene	32.69		1.0036	1.0034	-0.4	1.12E+06	-	1.23	76.9	
d12-Perylene	32.95		1.0112	1.0112	0	9.03E+05	-	1.13	67.6	
13C6-Indeno (1,2,3-cd) Pyrene	39.03		1.1968	1.1979	+2.2	7.69E+05	-	0.85	76.3	
13C6-Dibenzo (ah) Anthracene	39.21		1.2031	1.2036	+1.0	5.47E+05	-	0.94	49.1	
13C12-Benzo (ghi) Perylene	40.83		1.2539	1.2533	-1.2	9.56E+05	-	1.33	60.7	
AS--Anthracene	20.94		1.2748	1.2743	-0.5	2.66E+06	-	1.17	vs JS	96.8
FS--Anthracene								0.87	vs ES	104
SS-Fluorene	18.03		0.9956	0.9951	-0.5	1.67E+06	-	1.00		93.7
SS-Terphenyl	24.93		1.0396	1.0396	0	2.84E+06	-	0.79		96.5
JS-Methylnaphthalene	12.90		-	-	-	3.80E+06	-	-		-
JS-Acenaphthene	16.43		-	-	-	2.34E+06	-	-		-
JS-Pyrene	24.50		-	-	-	4.06E+06	-	-		-
JS-Benzo (a) Pyrene	32.58		-	-	-	1.19E+06	-	-		-

SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02
User: DTF Datafile: 241014V19



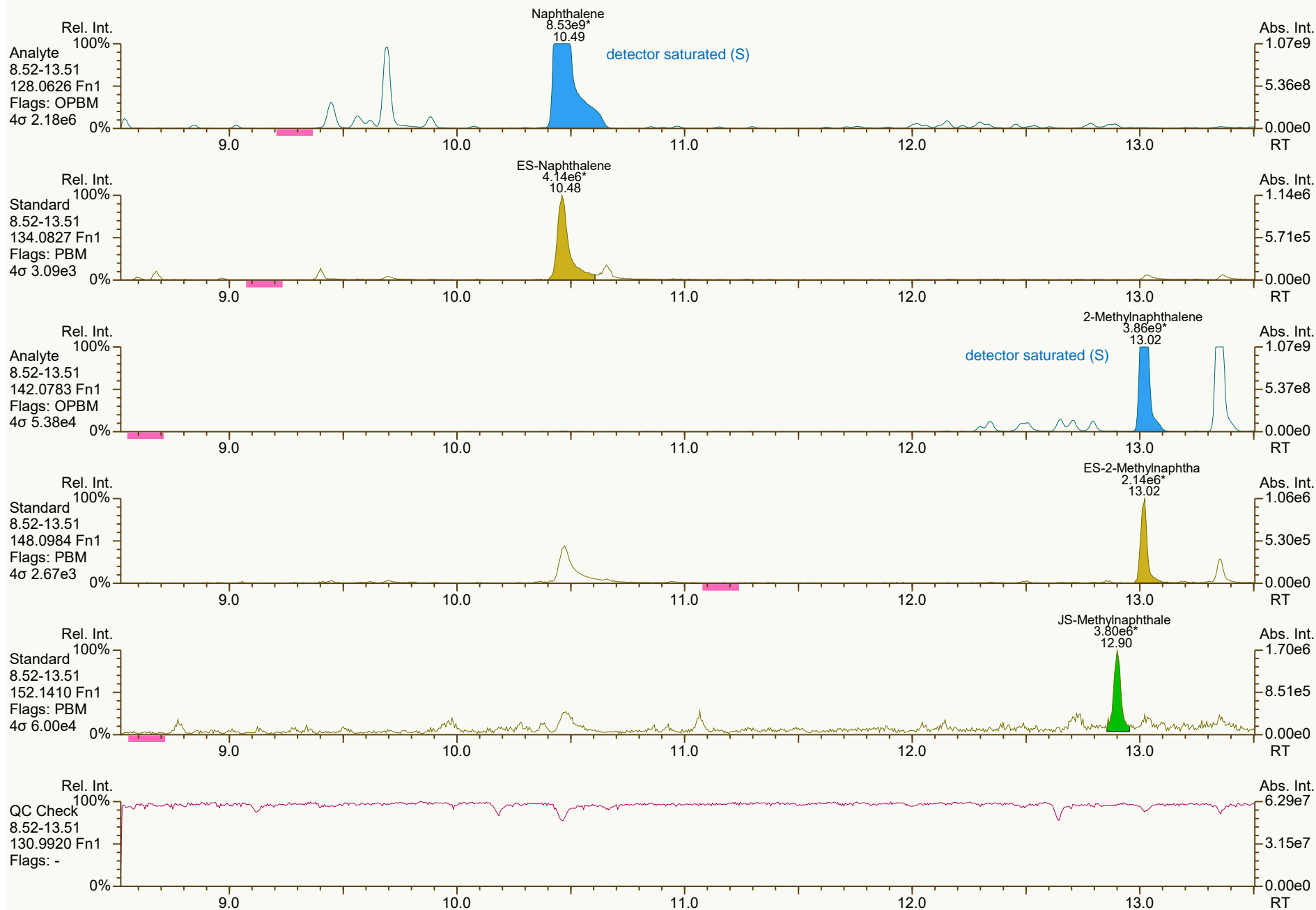
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 309-009

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:29 Page 1 of 9

SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02
User: DTF Datafile: 241014V19



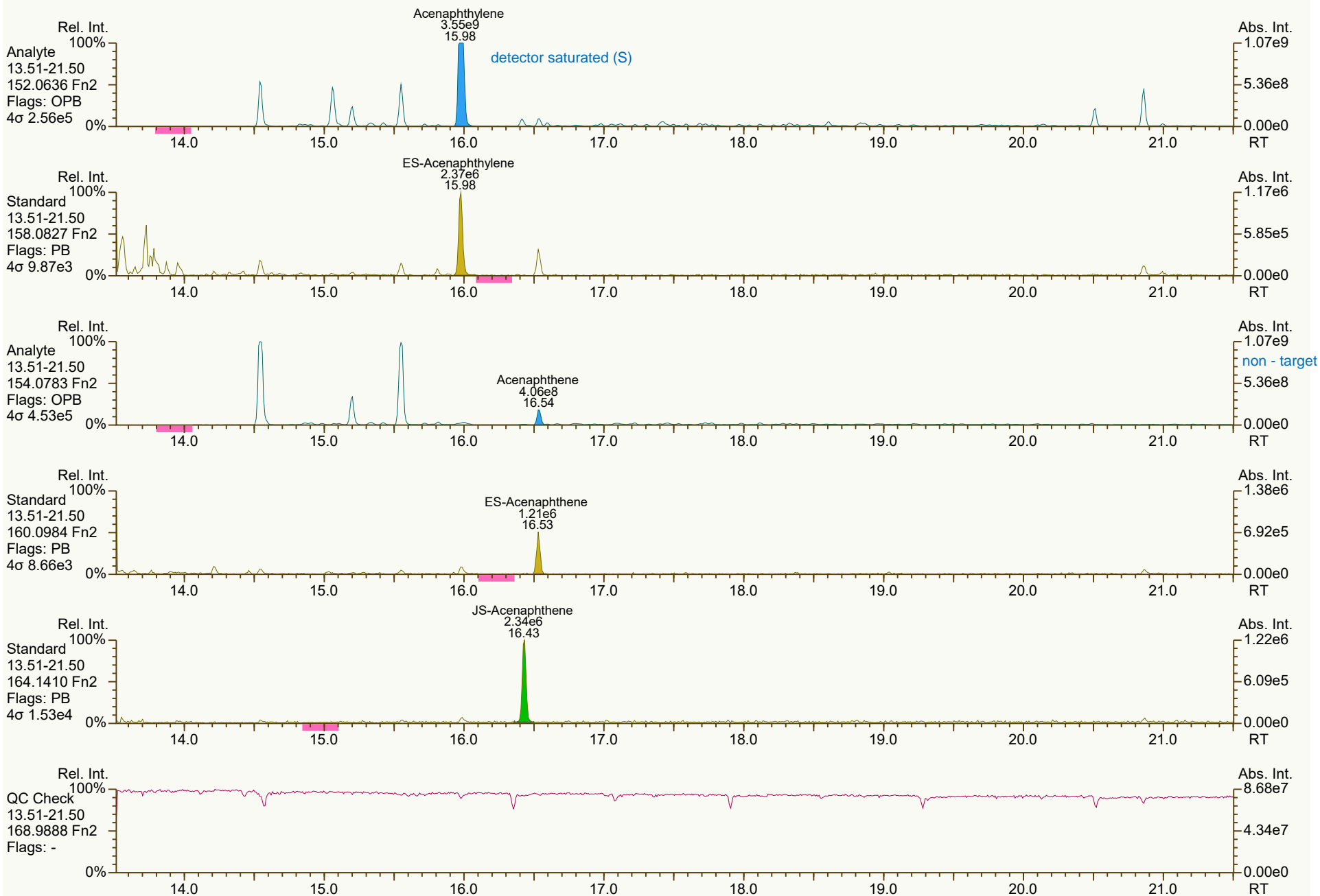
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8190, 6000, 8239, 2629, 9732 scc: 309-009

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:22 (DTF) Printed: 15-Oct-2024 11:29 Page 2 of 9

SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02
User: DTF Datafile: 241014V19



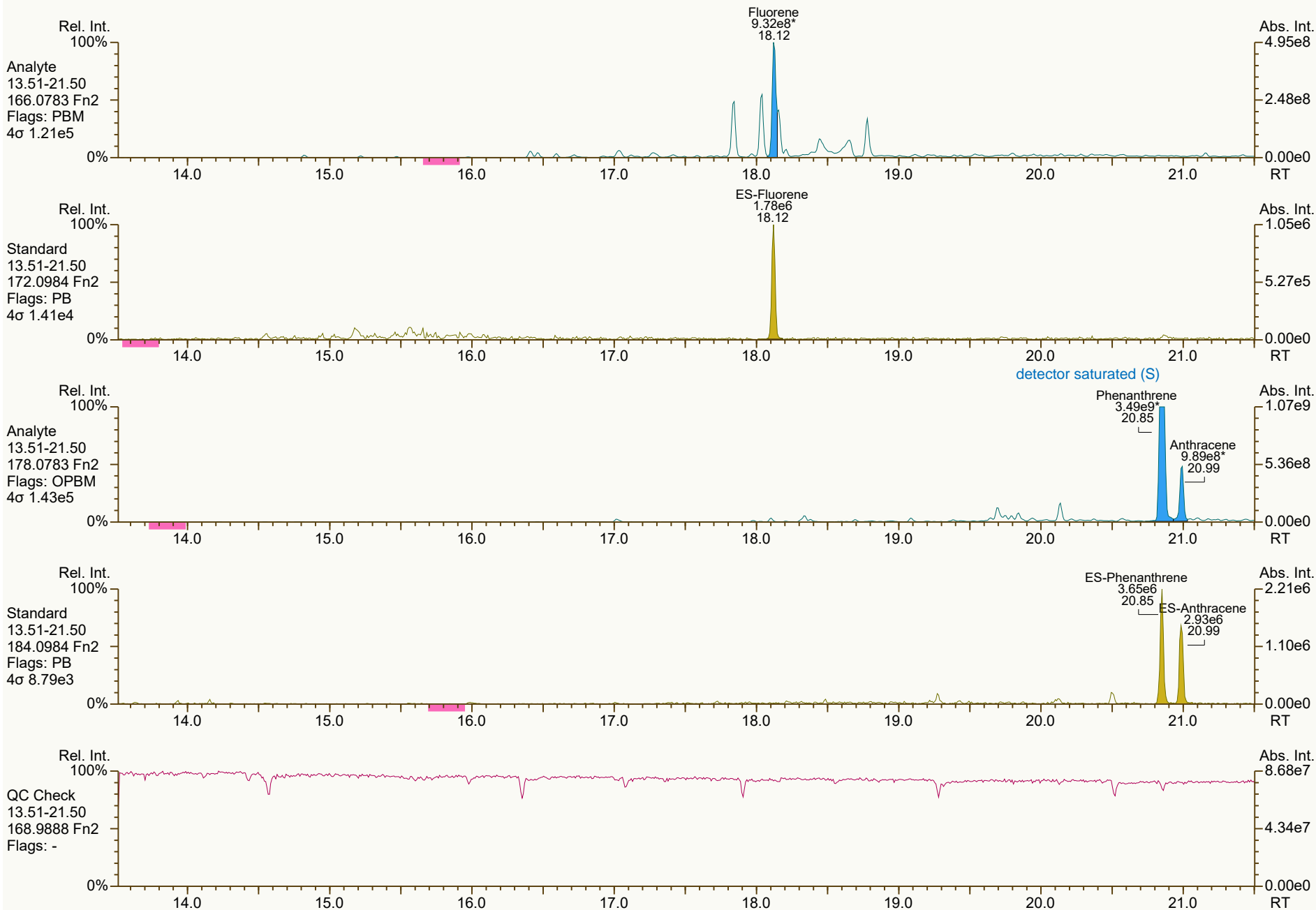
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3670, 0915, 8065, 7973, 5552 scc: 309-009

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 10:21 Printed: 15-Oct-2024 11:29 Page 3 of 9

SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02
User: DTF Datafile: 241014V19



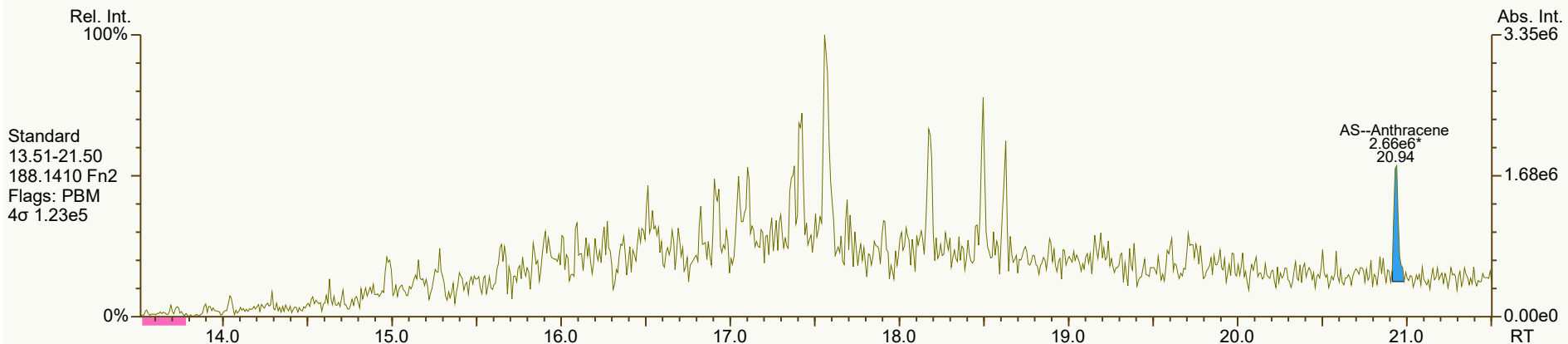
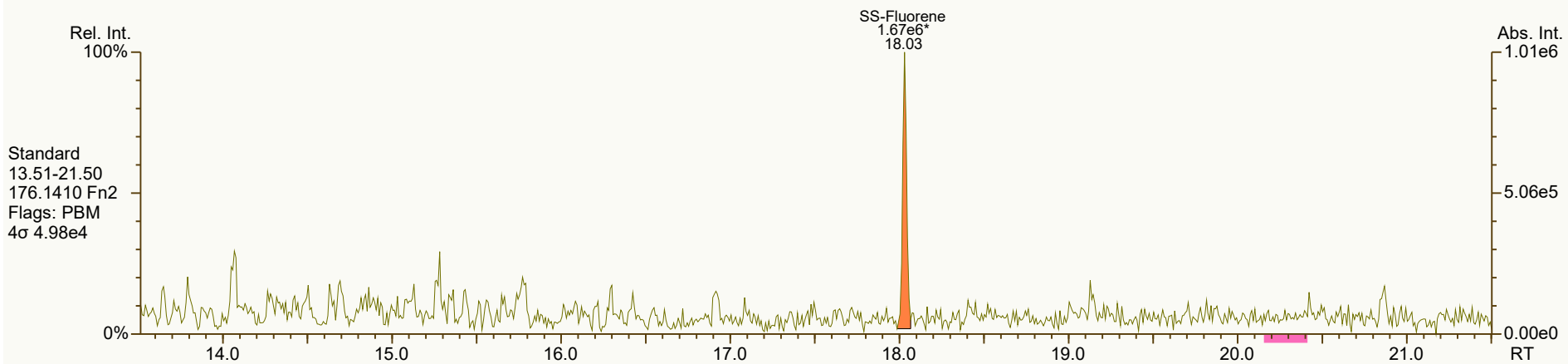
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2215, 8079, 0269, 0219 scc: 309-009

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:23 (DTF) Printed: 15-Oct-2024 11:29 Page 4 of 9

SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

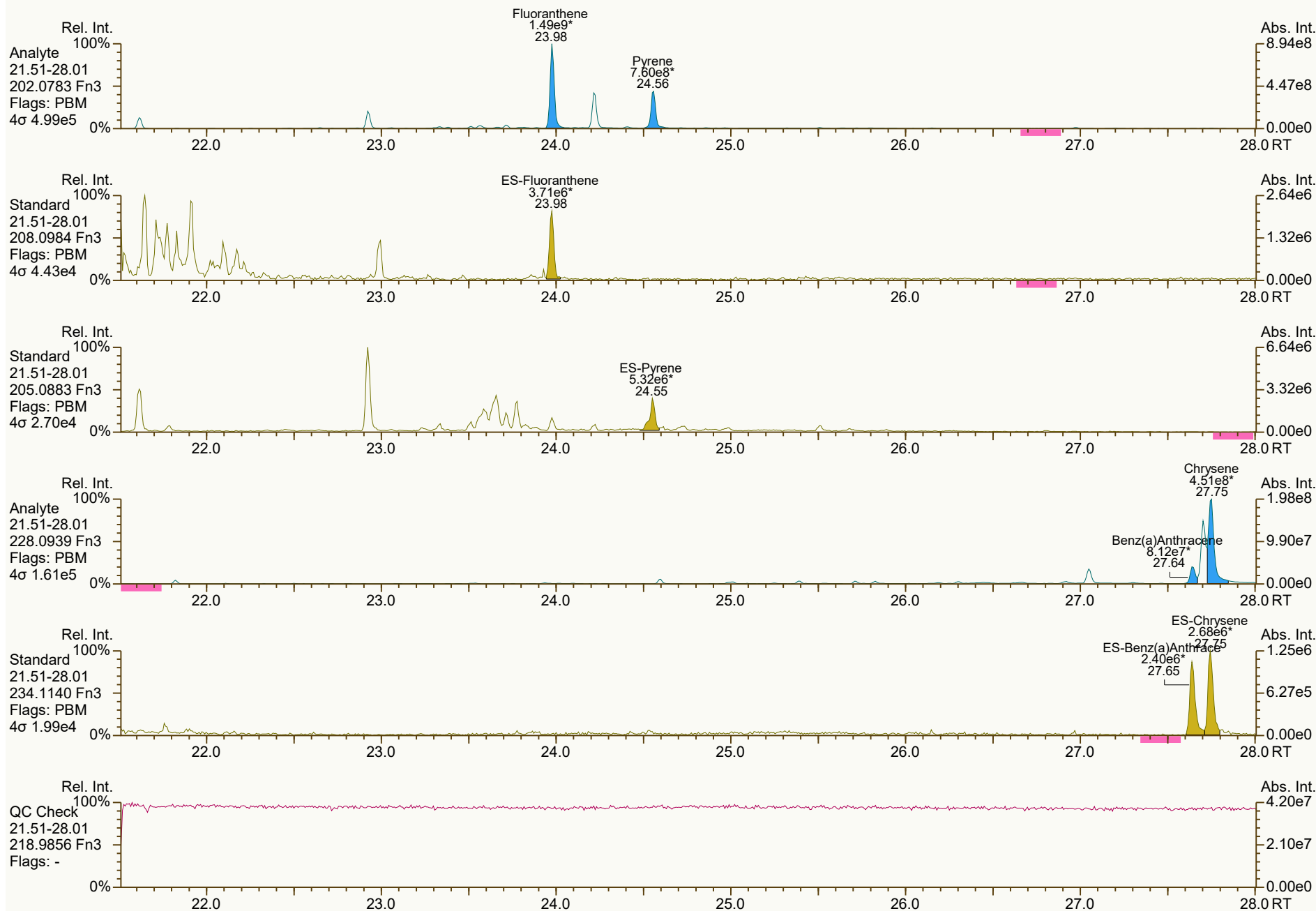
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SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02
User: DTF Datafile: 241014V19



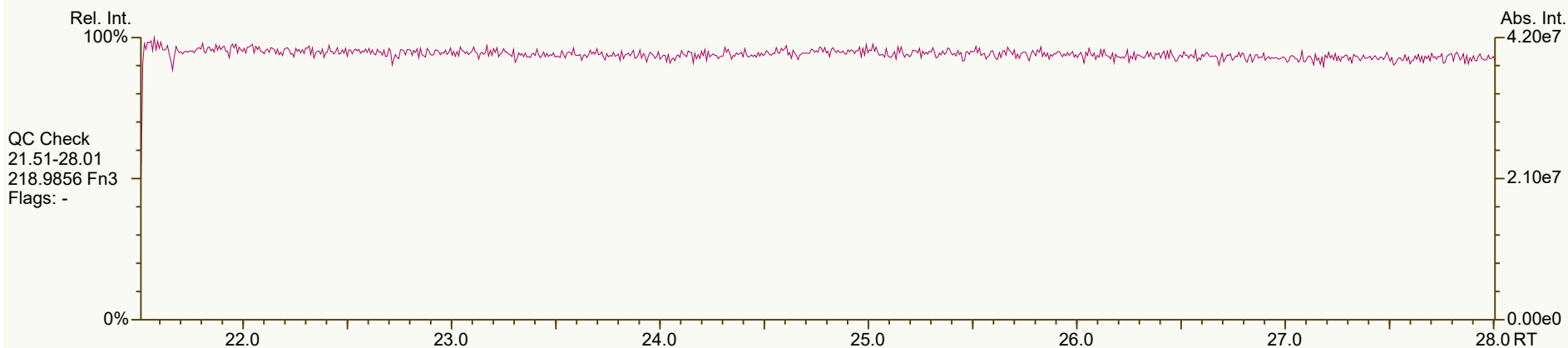
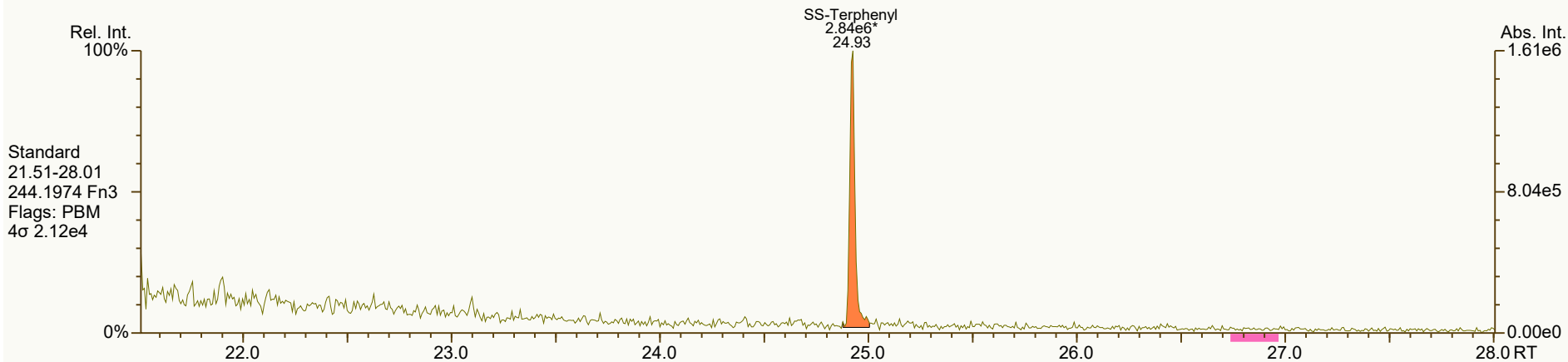
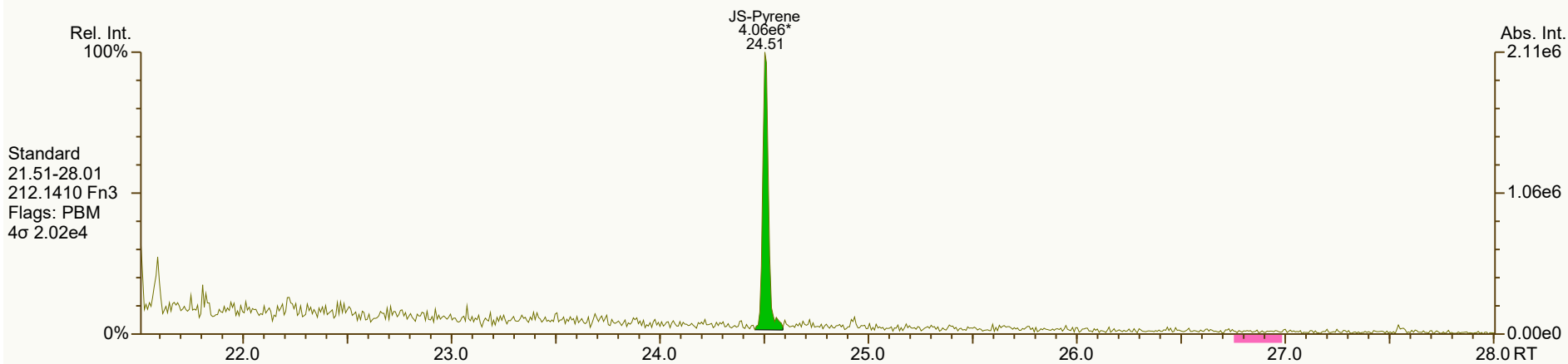
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:23 (DTF) Printed: 15-Oct-2024 11:29 Page 6 of 9

SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02
User: DTF Datafile: 241014V19



SGS ID: B9935_21527_PAH_004-D10

Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4

VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02

User: DTF Datafile: 241014V19



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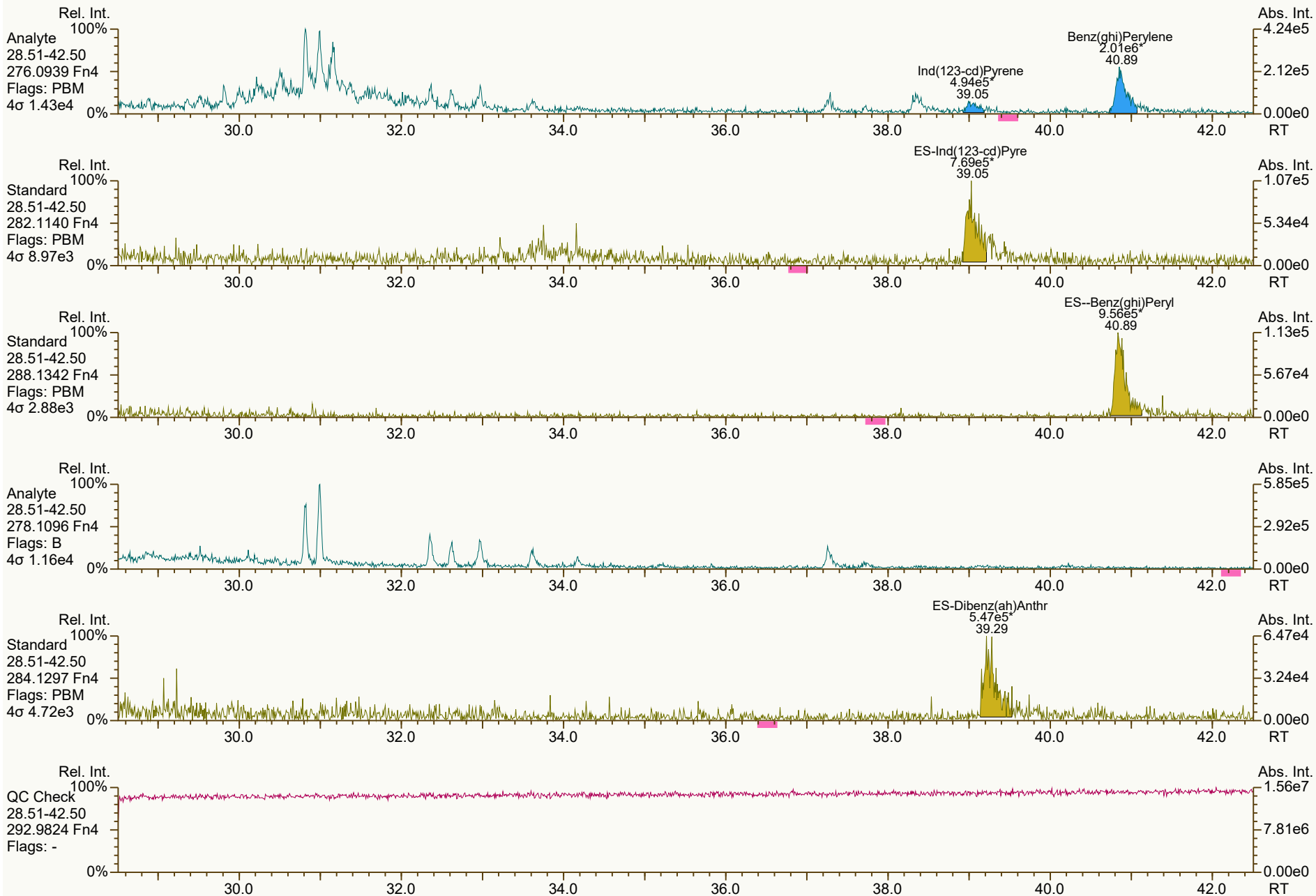
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:23 (DTF) Printed: 15-Oct-2024 11:29 Page 8 of 9

SGS ID: B9935_21527_PAH_004-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #4
VSIR EI+ Expt: pah GC: pah Vial: 86

Acq: 14-Oct-2024 23:22:02
User: DTF Datafile: 241014V19



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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4121, 8531, 4717, 2450, 0336 scc: 309-009

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:24 (DTF) Printed: 15-Oct-2024 11:30 Page 9 of 9

Datafile: 241014V20
Acquired: 15 Oct 2024 00:08:43

Client ID: Test #5
Lab ID: B9935_21527_PAH_005-D10

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)		0.6	2.3
Largest -ve RT shift (secs)		-7.3	-1.2

Checkcode: 772-516-VGY

Name	Actual		Pred	Actual	Diff	Conc					
	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.42	E S	1.0005	0.9958	-3.0	8.38E+09	-	0.99	87400	1.86E+06	189.0000
2-Methylnaphthalene	13.00	E S	1.0004	0.9991	-1.0	3.90E+09	-	1.01	78000	4.84E+04	4.99000
Acenaphthylene	15.96	E S	1.0006	0.9994	-1.1	3.89E+09	-	0.92	74200	2.85E+05	29.20000
Acenaphthene	16.53	E	1.0005	1.0005	0	4.94E+08	-	1.01	19100	6.11E+05	111.0000
Fluorene	18.12	E	1.0005	1.0005	0	1.24E+09	-	1.02	28400	1.07E+05	10.40000
Phenanthrene	20.82	E S	1.0004	0.9991	-1.6	3.77E+09	-	1.00	41600	1.77E+05	8.94000
Anthracene	20.99	E	1.0000	1.0004	+0.5	1.67E+09	-	1.23	19100	1.77E+05	8.65000
Fluoranthene	23.97	E	1.0000	1.0003	+0.4	2.18E+09	-	0.92	25000	8.95E+05	46.90000
Pyrene	24.54	E	1.0000	1.0000	0	1.35E+09	-	0.98	8070	8.95E+05	34.50000
Benzo (a) Anthracene	27.63	E	1.0000	1.0003	+0.5	2.38E+08	-	1.00	3650	2.37E+05	19.00000
Chrysene	27.73	E	1.0003	1.0000	-0.5	1.04E+09	-	1.01	13900	2.37E+05	16.20000
Benzo (b) Fluoranthene	31.27	E	1.0000	1.0003	+0.6	6.89E+07	-	0.98	1650	1.73E+04	3.24000
Benzo (k) Fluoranthene	31.35		1.0003	0.9992	-2.1	1.59E+07	-	0.92	364	1.73E+04	3.47000
Benzo (e) Pyrene	32.44	E	1.0000	1.0000	0	6.00E+07	-	0.98	1530	1.73E+04	3.44000
Benzo (a) Pyrene	32.68		0.9997	1.0000	+0.6	8.70E+06	-	0.98	254	1.73E+04	4.93000
Perylene	33.06		1.0039	1.0041	+0.4	3.71E+06	-	1.06	135	1.73E+04	6.36000
Indeno (1,2,3-cd) Pyrene	38.99		1.0004	1.0002	-0.5	8.47E+05	-	0.92	51.3	2.02E+04	18.50000
Dibenzo (a,h) Anthracene	39.10		1.0007	0.9976	-7.3	4.91E+05	-	0.94	22.4	1.49E+04	16.10000
Benzo (ghi) Perylene	40.83		1.0006	1.0008	+0.5	3.12E+06	-	0.97	128	2.02E+04	14.10000

Datafile: 241014V20
Acquired: 15 Oct 2024 00:08:43

Client ID: Test #5
Lab ID: B9935_21527_PAH_005-D10

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

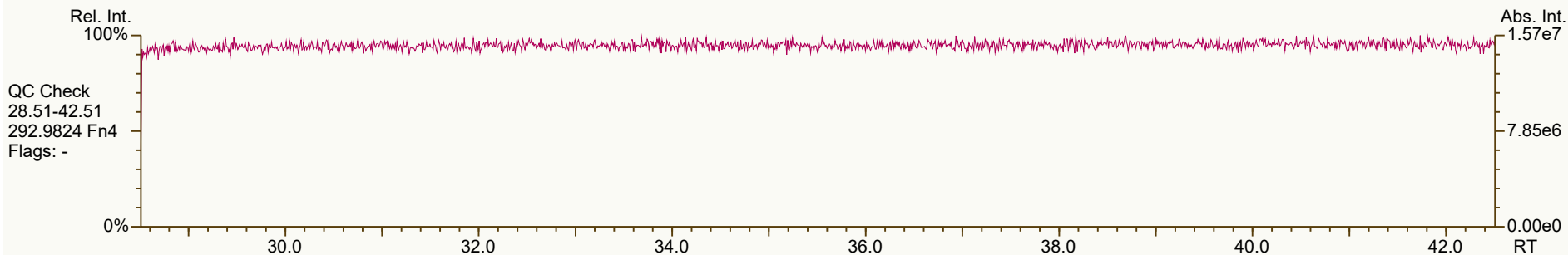
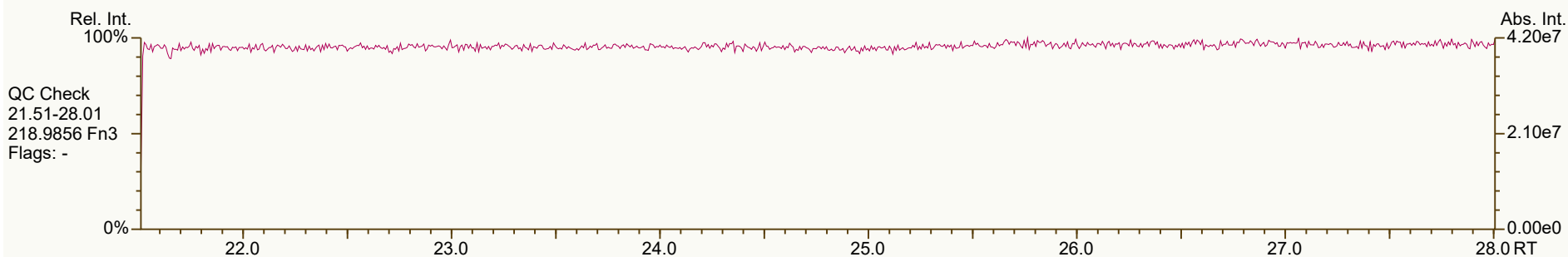
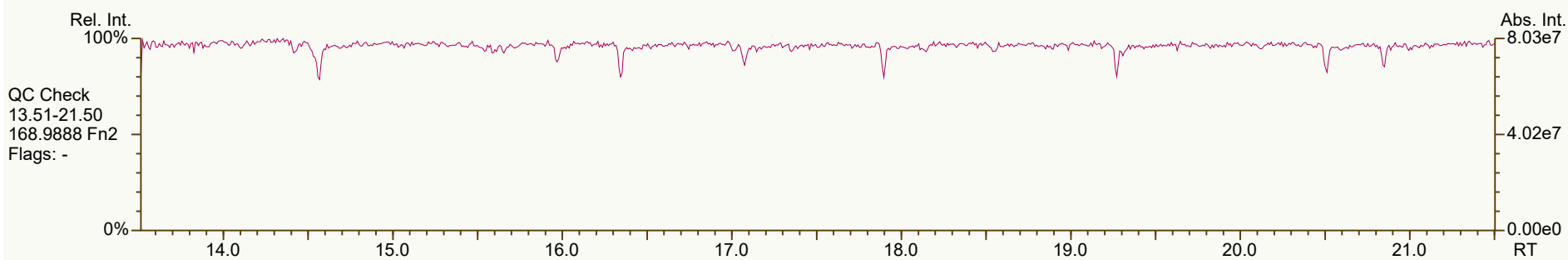
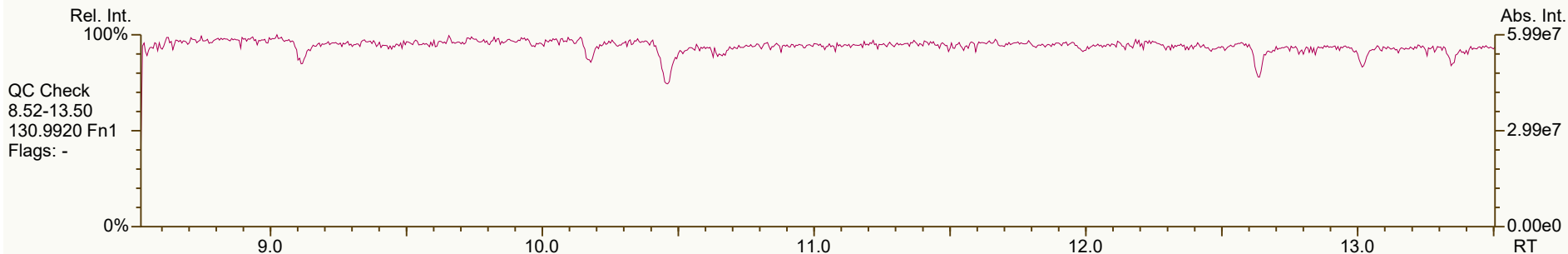
MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS	Checkcode: 772-516-VGY				
Largest +ve RT shift (secs)			0.6	2.3					
Largest -ve RT shift (secs)			-7.3	-1.2					
Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.
	RT	QC	RRT	RRT	Secs				
13C6-Naphthalene	10.47		0.8088	0.8118	+2.3	3.87E+06	-	1.35	92.7
13C6-2-Methylnaphthalene	13.01		1.0086	1.0090	+0.3	1.98E+06	-	0.99	64.7
13C6-Acenaphthylene	15.97		0.9717	0.9723	+0.6	2.27E+06	-	1.37	85.9
13C6-Acenaphthene	16.52		1.0060	1.0060	0	1.02E+06	-	0.91	58
13C6-Fluorene	18.11		1.1028	1.1027	-0.1	1.72E+06	-	1.09	81.5
13C6-Phenanthrene	20.84		1.2693	1.2690	-0.3	3.64E+06	-	1.91	98.5
13C6-Anthracene	20.98		1.2780	1.2772	-0.8	2.85E+06	-	1.35	109
13C6-Fluoranthene	23.96		0.9785	0.9782	-0.4	3.80E+06	-	1.23	88.3
13C3-Pyrene	24.54	V	1.0023	1.0020	-0.4	6.82E+06	-	1.23	158
13C6-Benzo (a) Anthracene	27.62		1.1284	1.1277	-1.0	2.60E+06	-	0.86	86
13C6-Chrysene	27.73		1.1326	1.1323	-0.4	2.96E+06	-	1.19	71.2
13C6-Benzo (b) Fluoranthene	31.27		0.9602	0.9604	+0.4	1.70E+06	-	1.28	96.4
13C6-Benzo (k) Fluoranthene	31.38		0.9636	0.9638	+0.4	1.90E+06	-	1.82	75.6
13C4-Benzo (e) Pyrene	32.44		0.9961	0.9964	+0.6	1.61E+06	-	1.56	74.8
13C4-Benzo (a) Pyrene	32.68		1.0036	1.0039	+0.6	1.40E+06	-	1.23	82.3
dl2-Perylene	32.92		1.0112	1.0112	0	1.04E+06	-	1.13	66.8
13C6-Indeno (1,2,3-cd) Pyrene	38.99		1.1968	1.1975	+1.4	7.20E+05	-	0.85	61.3
13C6-Dibenzo (ah) Anthracene	39.20		1.2031	1.2040	+1.8	9.37E+05	-	0.94	72.1
13C12-Benzo (ghi) Perylene	40.80		1.2539	1.2533	-1.2	1.00E+06	-	1.33	54.6
AS--Anthracene	20.92		1.2748	1.2739	-0.9	2.67E+06	-	1.17	vs JS 118
FS--Anthracene								0.87	vs ES 108
SS-Fluorene	18.02		0.9956	0.9951	-0.5	1.56E+06	-	1.00	90.4
SS-Terphenyl	24.91		1.0396	1.0396	0	2.54E+06	-	0.79	84.1
JS-Methylnaphthalene	12.89		-	-	-	3.10E+06	-	-	-
JS-Acenaphthene	16.42		-	-	-	1.94E+06	-	-	-
JS-Pyrene	24.50		-	-	-	3.50E+06	-	-	-
JS-Benzo (a) Pyrene	32.56		-	-	-	1.38E+06	-	-	-

SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43
User: DTF Datafile: 241014V20



Results: P:\B9900_B9999\B9935\B9935_21527_PAH\Resources\B9935_21527_PAH_005-D10.utp_res, saved 15-Oct-2024 10:48 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 772-516

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:30 Page 1 of 9

SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43
User: DTF Datafile: 241014V20



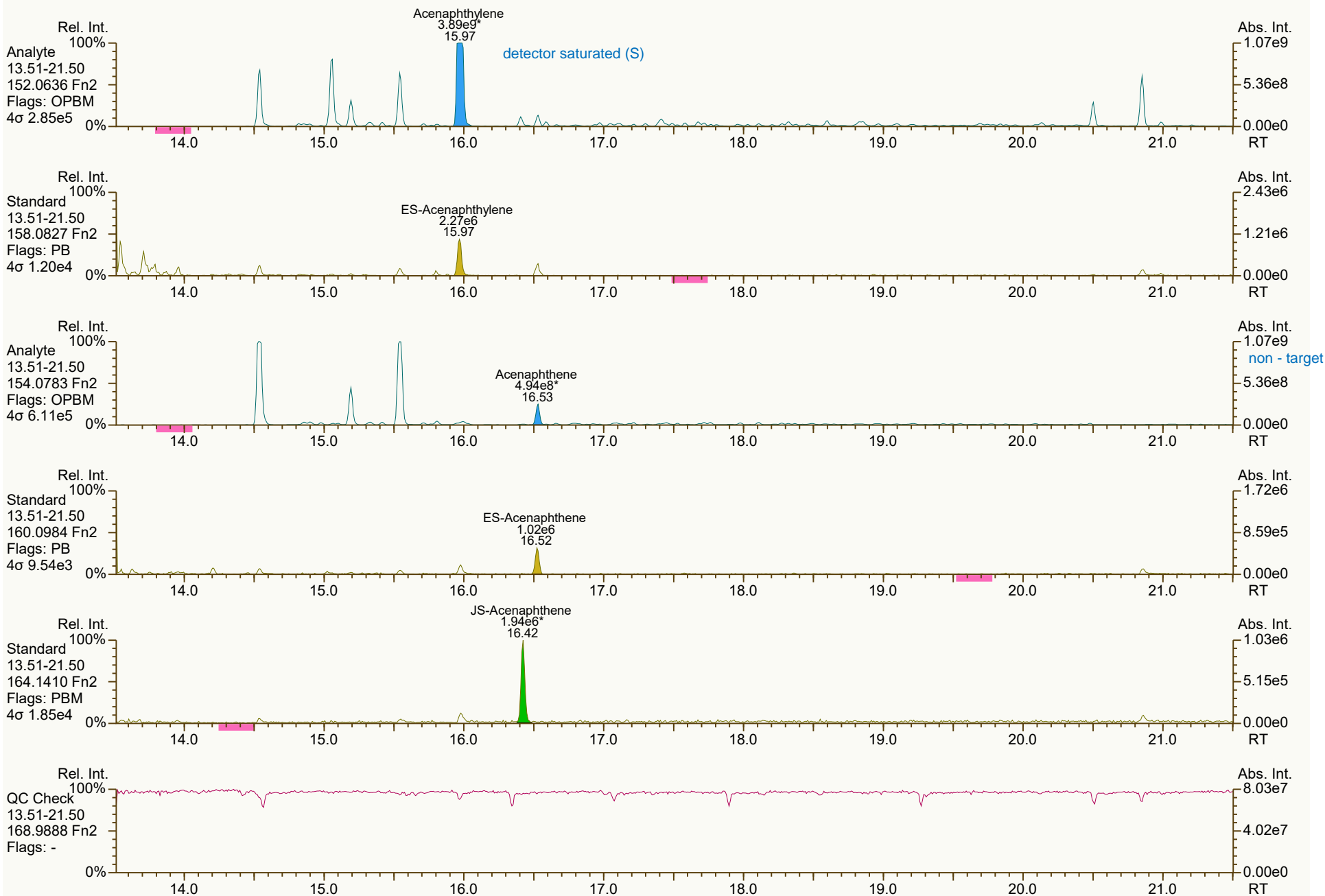
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4527, 0179, 9881, 9615, 5974 scc: 772-516

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:36 (DTF) Printed: 15-Oct-2024 11:30 Page 2 of 9

SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43
User: DTF Datafile: 241014V20



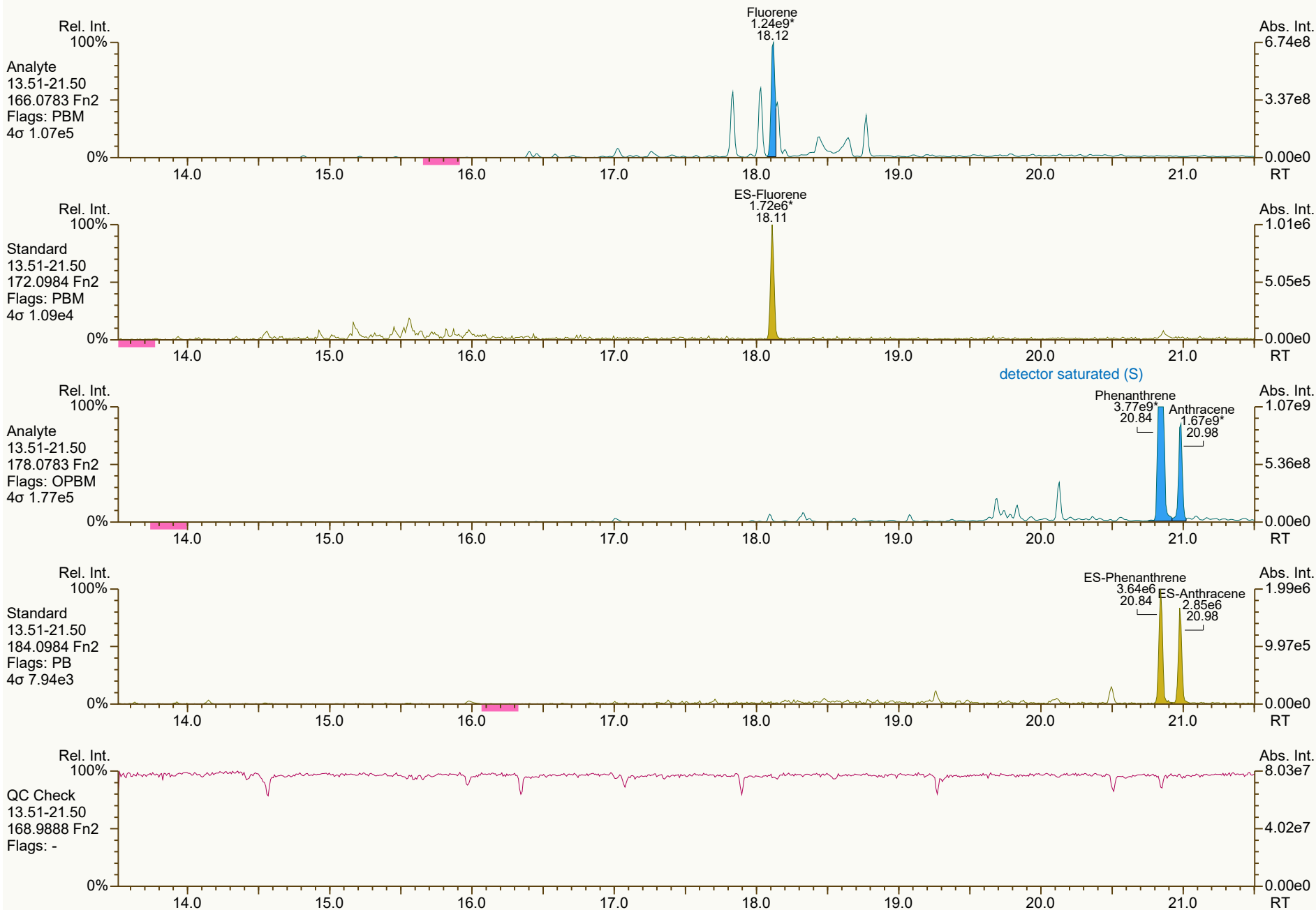
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:32 (DTF) Printed: 15-Oct-2024 11:30 Page 3 of 9

SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

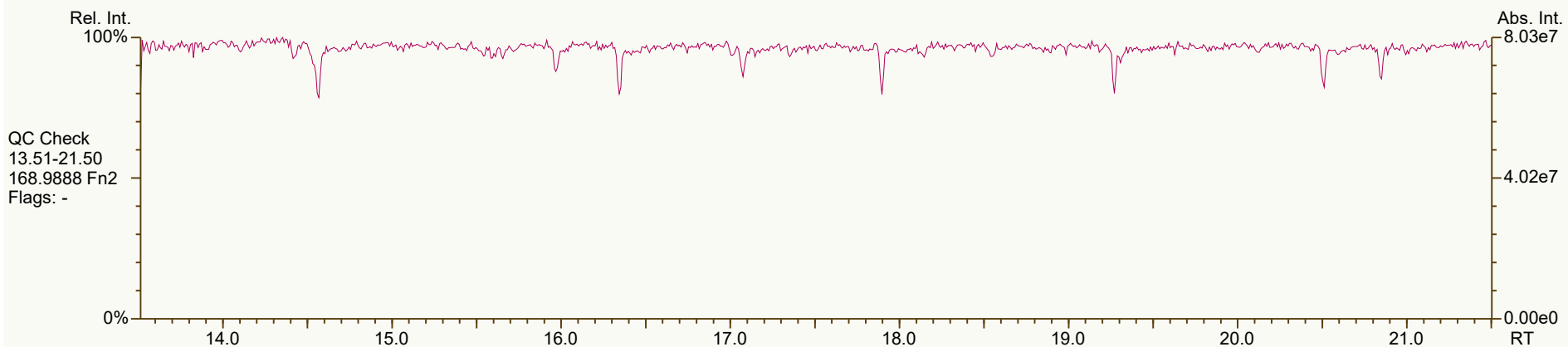
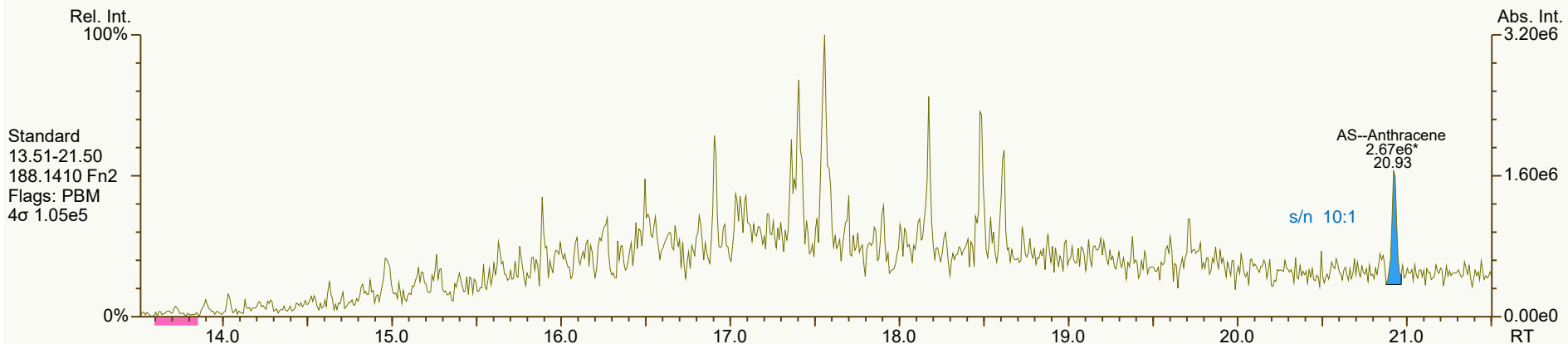
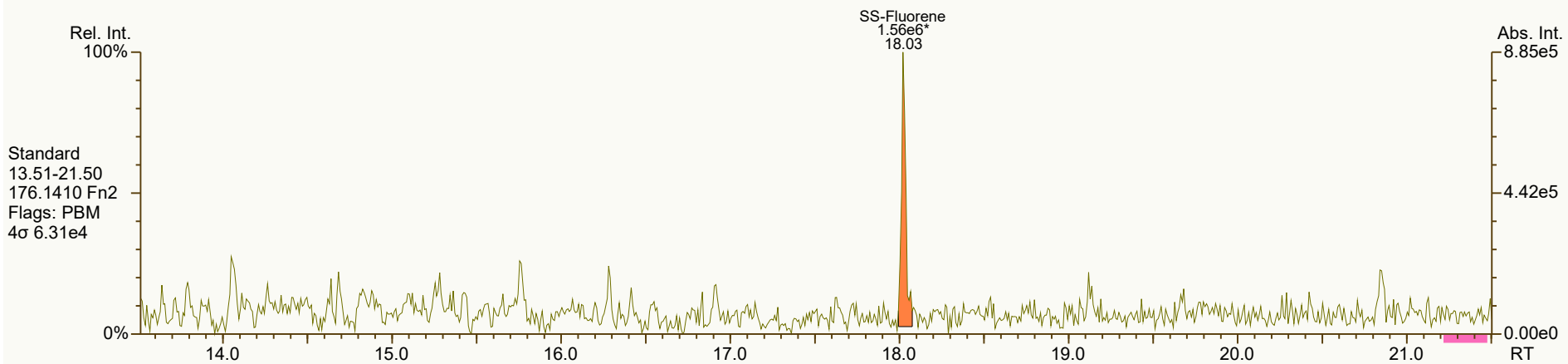
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SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43
User: DTF Datafile: 241014V20



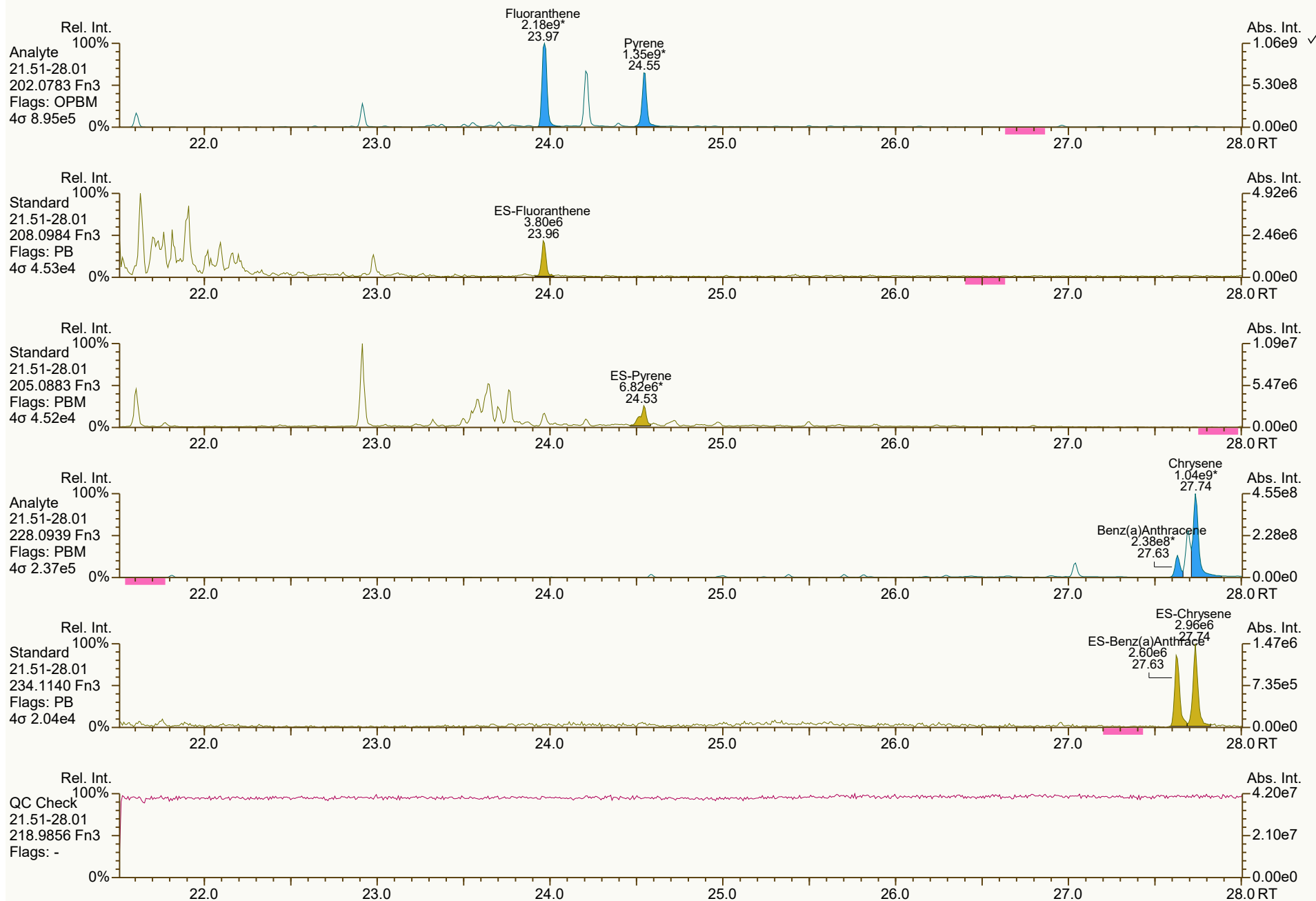
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:31 (DTF) Printed: 15-Oct-2024 11:30 Page 5 of 9

SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43
User: DTF Datafile: 241014V20



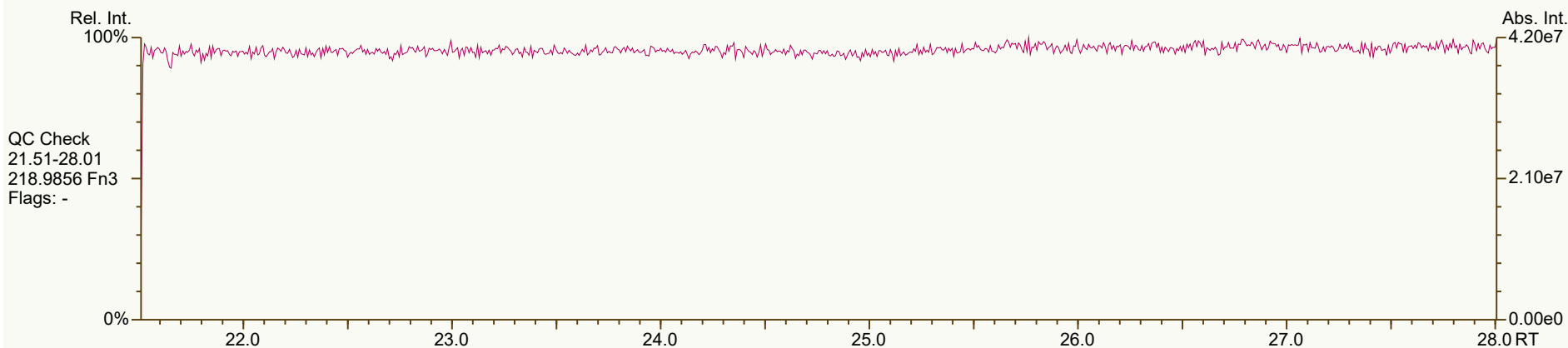
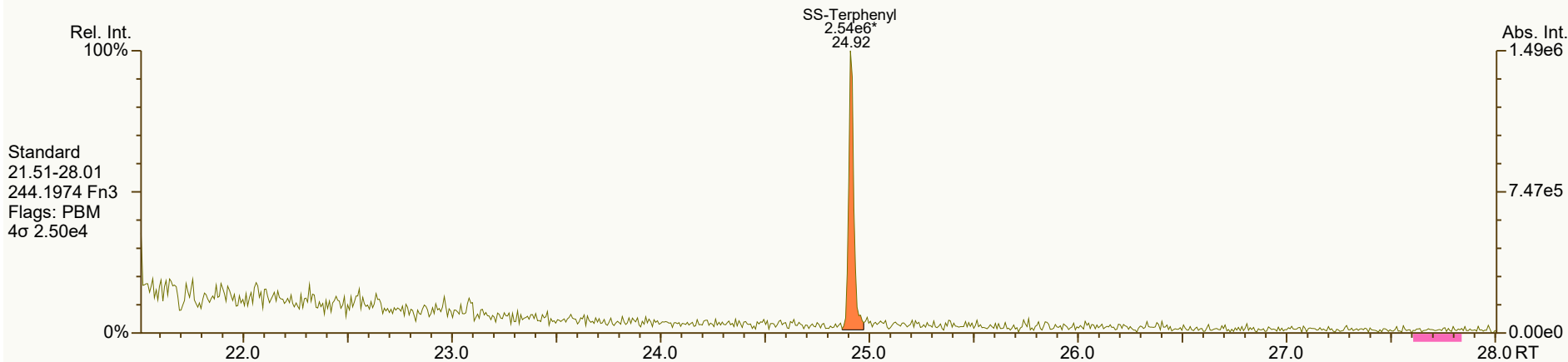
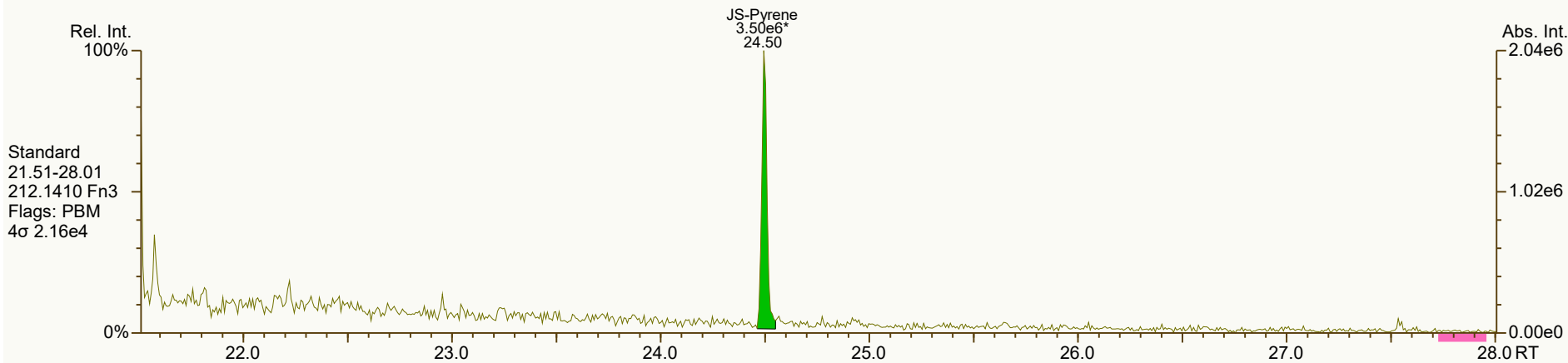
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0927, 7998, 6043, 9707, 0904 scc: 772-516

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:32 (DTF) Printed: 15-Oct-2024 11:30 Page 6 of 9

SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43
User: DTF Datafile: 241014V20



SGS ID: B9935_21527_PAH_005-D10

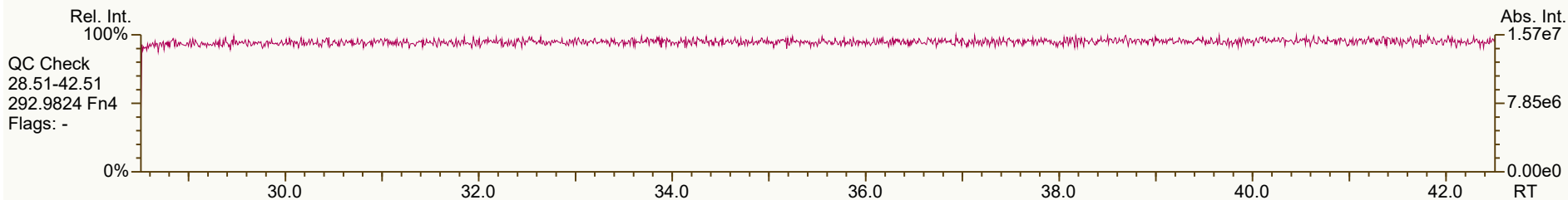
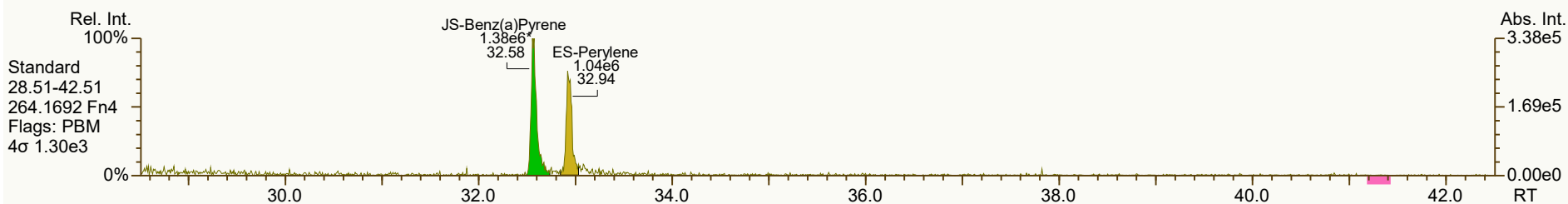
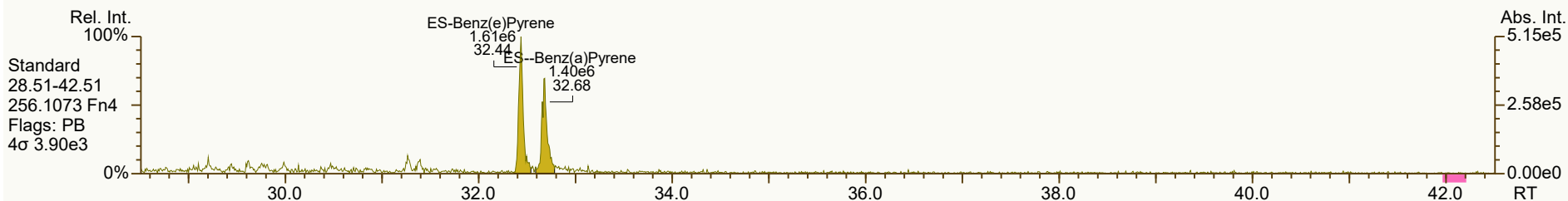
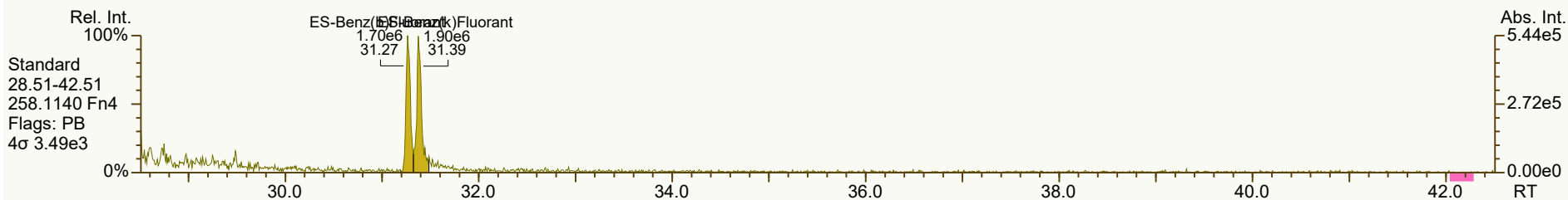
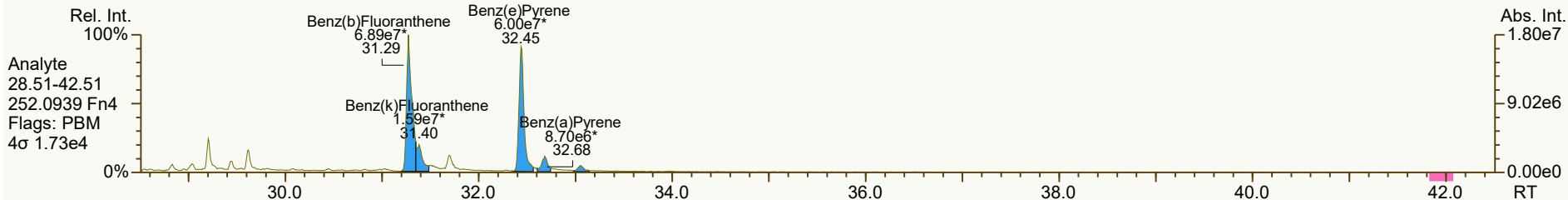
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5

VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43

User: DTF Datafile: 241014V20



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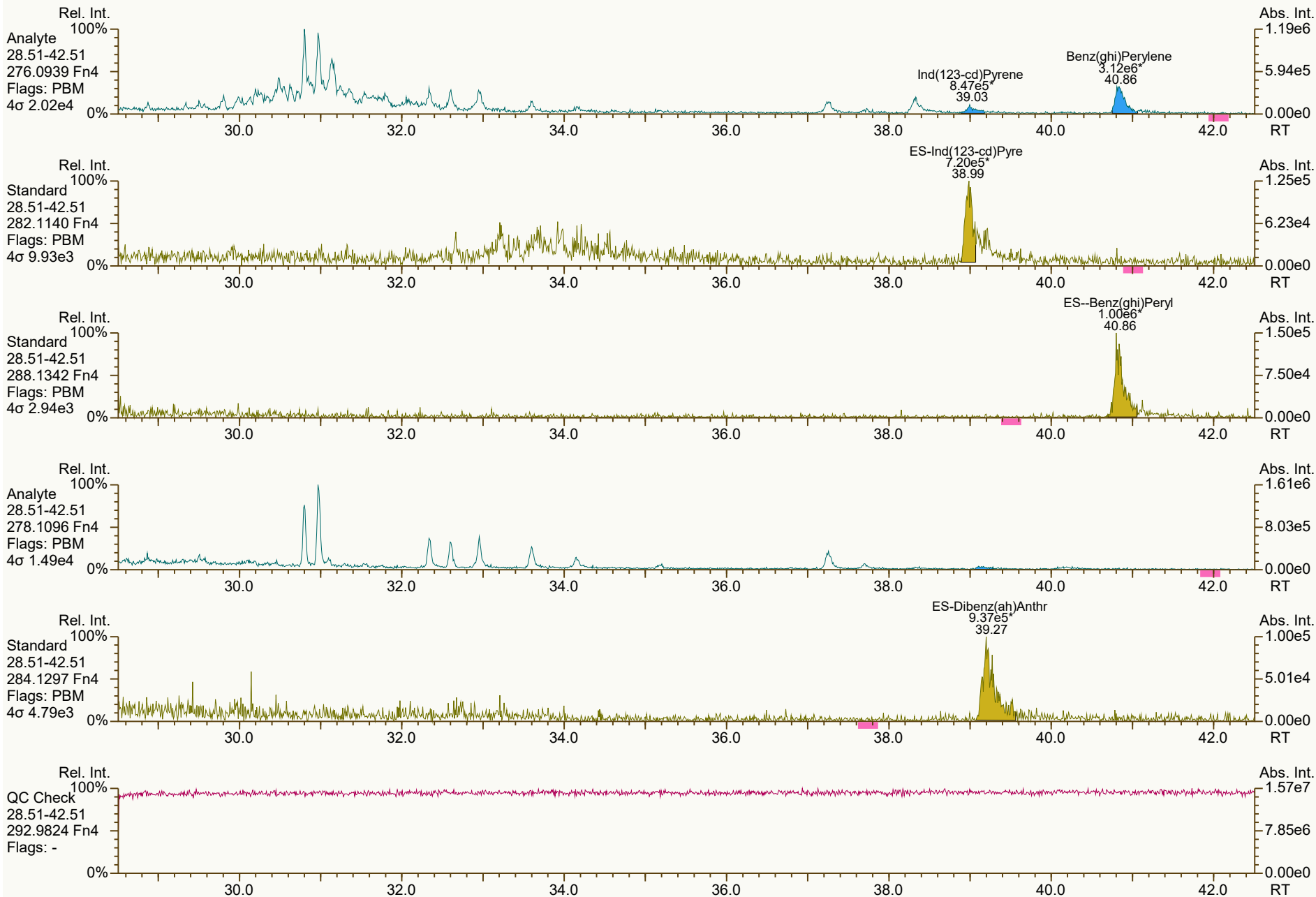
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:32 (DTF) Printed: 15-Oct-2024 11:30 Page 8 of 9

SGS ID: B9935_21527_PAH_005-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #5
VSIR EI+ Expt: pah GC: pah Vial: 87

Acq: 15-Oct-2024 00:08:43
User: DTF Datafile: 241014V20



Results: P:\B9900_B9999\B9935\B9935_21527_PAH\Resources\B9935_21527_PAH_005-D10.utp_res, saved 15-Oct-2024 10:48 (DTF)
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:35 (DTF) Printed: 15-Oct-2024 11:30 Page 9 of 9

Stats	PAH Ax	ES/SS	Checkcode: 395-151-BPF
Largest +ve RT shift (secs)	1.0	1.8	
Largest -ve RT shift (secs)	-5.2	-2.0	

Name	Actual		Pred	Actual	Diff	Response	Ra	Conc			
	RT	QC	RRT	RRT	Secs			RRF	ng/Train	Noise	DL
Naphthalene	10.44	E S	1.0005	0.9973	-2.0	6.50E+09	-	0.99	120000	9.78E+05	153.0000
2-Methylnaphthalene	13.01	E S	1.0004	0.9991	-1.0	3.10E+09	-	1.01	129000	3.13E+04	6.77000
Acenaphthylene	15.97	E S	1.0006	0.9994	-1.2	3.14E+09	-	0.92	114000	1.87E+05	33.60000
Acenaphthene	16.53	E	1.0005	1.0005	0	2.38E+08	-	1.01	18700	3.32E+05	131.0000
Fluorene	18.12	E	1.0005	1.0000	-0.5	5.98E+08	-	1.02	32300	8.45E+04	19.10000
Phenanthrene	20.83	E S	1.0004	0.9996	-1.0	3.30E+09	-	1.00	72000	1.05E+05	9.38000
Anthracene	20.98	E	1.0000	1.0000	0	9.86E+08	-	1.23	24000	1.05E+05	11.60000
Fluoranthene	23.97	E	1.0000	1.0000	0	1.28E+09	-	0.92	30000	6.02E+05	61.00000
Pyrene	24.55	E	1.0000	1.0003	+0.4	7.69E+08	-	0.98	7800	6.02E+05	45.70000
Benzo (a) Anthracene	27.63	E	1.0000	1.0000	0	1.26E+08	-	1.00	3970	1.12E+05	17.30000
Chrysene	27.74	E	1.0003	1.0003	0	6.24E+08	-	1.01	16500	1.12E+05	18.60000
Benzo (b) Fluoranthene	31.28	E	1.0000	1.0005	+0.9	4.84E+07	-	0.98	2370	1.71E+04	6.33000
Benzo (k) Fluoranthene	31.38	E	1.0003	0.9997	-1.1	1.04E+07	-	0.92	511	1.71E+04	7.71000
Benzo (e) Pyrene	32.45	E	1.0000	1.0003	+0.6	4.35E+07	-	0.98	2170	1.71E+04	7.38000
Benzo (a) Pyrene	32.68		0.9997	1.0000	+0.6	5.81E+06	-	0.98	366	1.71E+04	10.20000
Perylene	33.06		1.0039	1.0031	-1.6	2.38E+06	-	1.06	170	1.71E+04	12.10000
Indeno (1,2,3-cd) Pyrene	38.97		1.0004	0.9998	-1.4	8.23E+05	-	0.92	73.7	1.77E+04	24.10000
Dibenzo (a,h) Anthracene	39.12		1.0007	0.9985	-5.2	5.60E+05	-	0.94	58.4	1.28E+04	24.60000
Benzo (ghi) Perylene	40.85		1.0006	1.0010	+1.0	3.27E+06	-	0.97	212	1.77E+04	18.20000

Datafile: 241014V21
Acquired: 15 Oct 2024 00:55:25

Client ID: Test #6
Lab ID: B9935_21527_PAH_006-D10

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

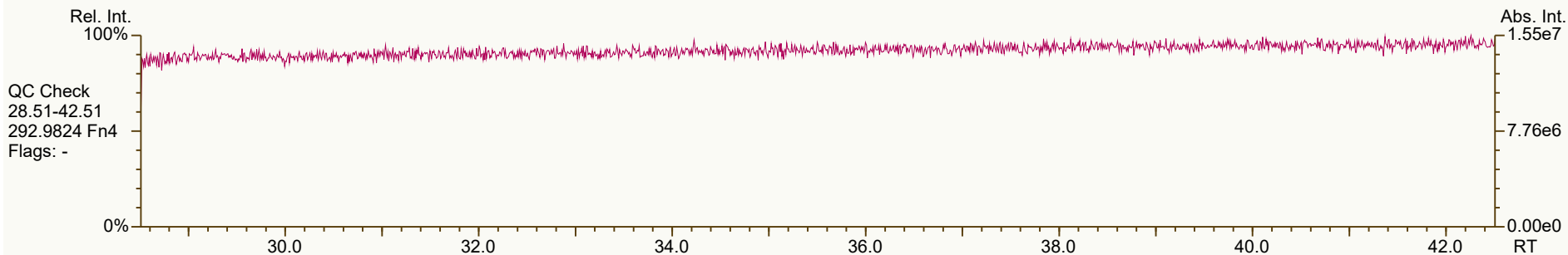
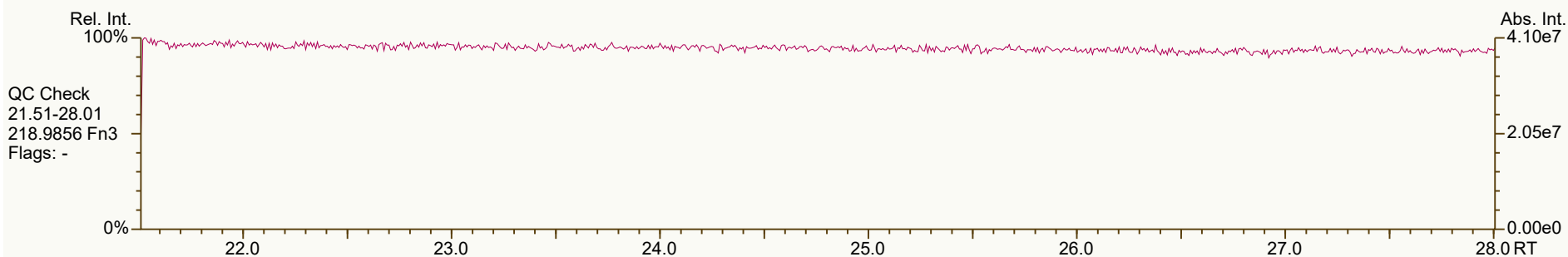
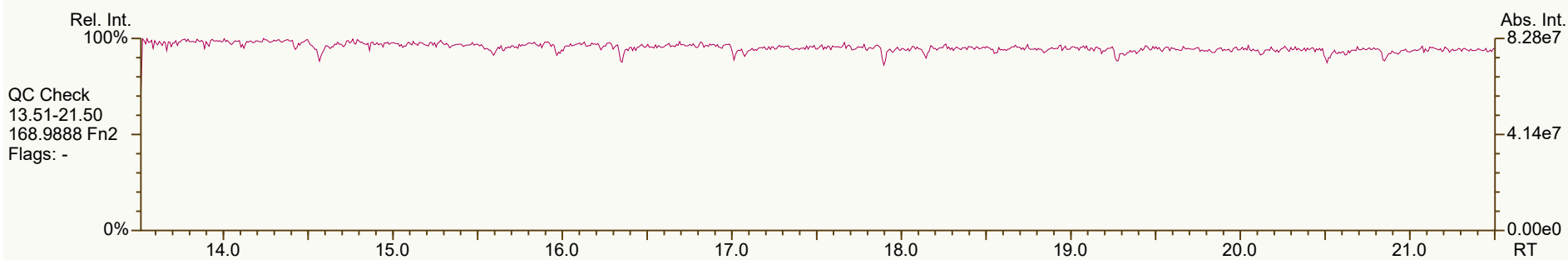
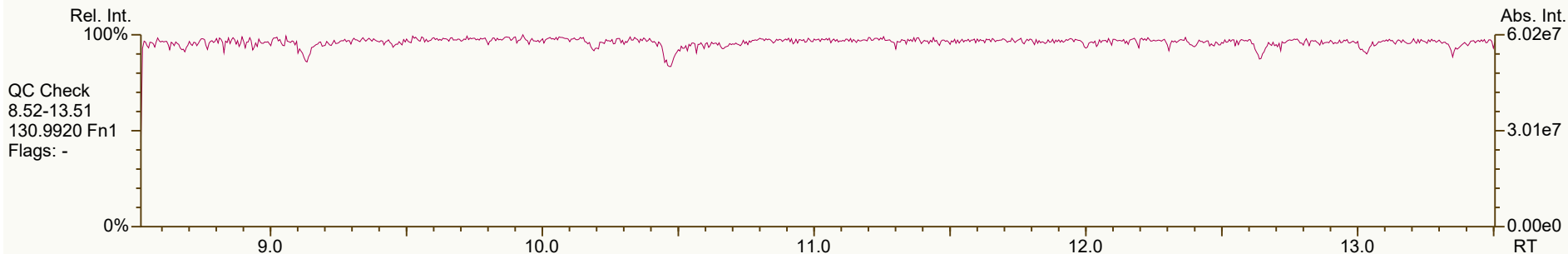
MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

Stats		PAH Ax	ES/SS		Checkcode: 395-151-BPF				
Largest +ve RT shift (secs)		1.0	1.8						
Largest -ve RT shift (secs)		-5.2	-2.0						
Name	Actual		Pred	Actual	Diff	Response	Ra	RRF	Recv.
	RT	QC	RRT	RRT	Secs				
13C6-Naphthalene	10.47		0.8088	0.8111	+1.8	2.17E+06	-	1.35	98.9
13C6-2-Methylnaphthalene	13.02		1.0086	1.0090	+0.3	9.55E+05	-	0.99	59.1
13C6-Acenaphthylene	15.98		0.9717	0.9723	+0.6	1.19E+06	-	1.37	84.6
13C6-Acenaphthene	16.52		1.0060	1.0054	-0.6	5.03E+05	-	0.91	53.7
13C6-Fluorene	18.12		1.1028	1.1027	-0.1	7.28E+05	-	1.09	64.6
13C6-Phenanthrene	20.84		1.2693	1.2683	-1.0	1.84E+06	-	1.91	93.5
13C6-Anthracene	20.98		1.2780	1.2770	-1.0	1.34E+06	-	1.35	96.3
13C6-Fluoranthene	23.97		0.9785	0.9782	-0.4	1.86E+06	-	1.23	85.7
13C3-Pyrene	24.54	V	1.0023	1.0016	-1.0	4.02E+06	-	1.23	184
13C6-Benzo (a) Anthracene	27.63		1.1284	1.1277	-1.0	1.26E+06	-	0.86	82.6
13C6-Chrysene	27.73		1.1326	1.1319	-1.0	1.50E+06	-	1.19	71.2
13C6-Benzo (b) Fluoranthene	31.27		0.9602	0.9599	-0.6	8.33E+05	-	1.28	91.3
13C6-Benzo (k) Fluoranthene	31.39		0.9636	0.9638	+0.4	8.90E+05	-	1.82	68.5
13C4-Benzo (e) Pyrene	32.44		0.9961	0.9958	-0.6	8.22E+05	-	1.56	73.7
13C4-Benzo (a) Pyrene	32.68		1.0036	1.0034	-0.4	6.47E+05	-	1.23	73.9
dl2-Perylene	32.95		1.0112	1.0117	+1.0	5.29E+05	-	1.13	65.8
13C6-Indeno(1,2,3-cd) Pyrene	38.98		1.1968	1.1966	-0.4	4.87E+05	-	0.85	80.3
13C6-Dibenzo (ah) Anthracene	39.18		1.2031	1.2029	-0.4	4.10E+05	-	0.94	61
13C12-Benzo (ghi) Perylene	40.81		1.2539	1.2529	-2.0	6.37E+05	-	1.33	67.2
AS--Anthracene	20.92		1.2748	1.2732	-1.6	1.13E+06	-	1.17	vs JS 93.3
FS--Anthracene								0.87	vs ES 96.9
SS-Fluorene	18.03		0.9956	0.9951	-0.5	6.35E+05	-	1.00	87.1
SS-Terphenyl	24.91		1.0396	1.0393	-0.4	1.20E+06	-	0.79	81.1
JS-Methylnaphthalene	12.91		-	-	-	1.63E+06	-	-	-
JS-Acenaphthene	16.43		-	-	-	1.03E+06	-	-	-
JS-Pyrene	24.50		-	-	-	1.77E+06	-	-	-
JS-Benzo (a) Pyrene	32.57		-	-	-	7.14E+05	-	-	-

SGS ID: B9935_21527_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #6
VSIR EI+ Expt: pah GC: pah Vial: 88

Acq: 15-Oct-2024 00:55:25
User: DTF Datafile: 241014V21



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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 395-151

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:30 Page 1 of 9

SGS ID: B9935_21527_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #6
VSIR EI+ Expt: pah GC: pah Vial: 88

Acq: 15-Oct-2024 00:55:25
User: DTF Datafile: 241014V21



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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8966, 2628, 1723, 8903, 2007 scc: 395-151

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:40 (DTF) Printed: 15-Oct-2024 11:30 Page 2 of 9

SGS ID: B9935_21527_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #6
VSIR EI+ Expt: pah GC: pah Vial: 88

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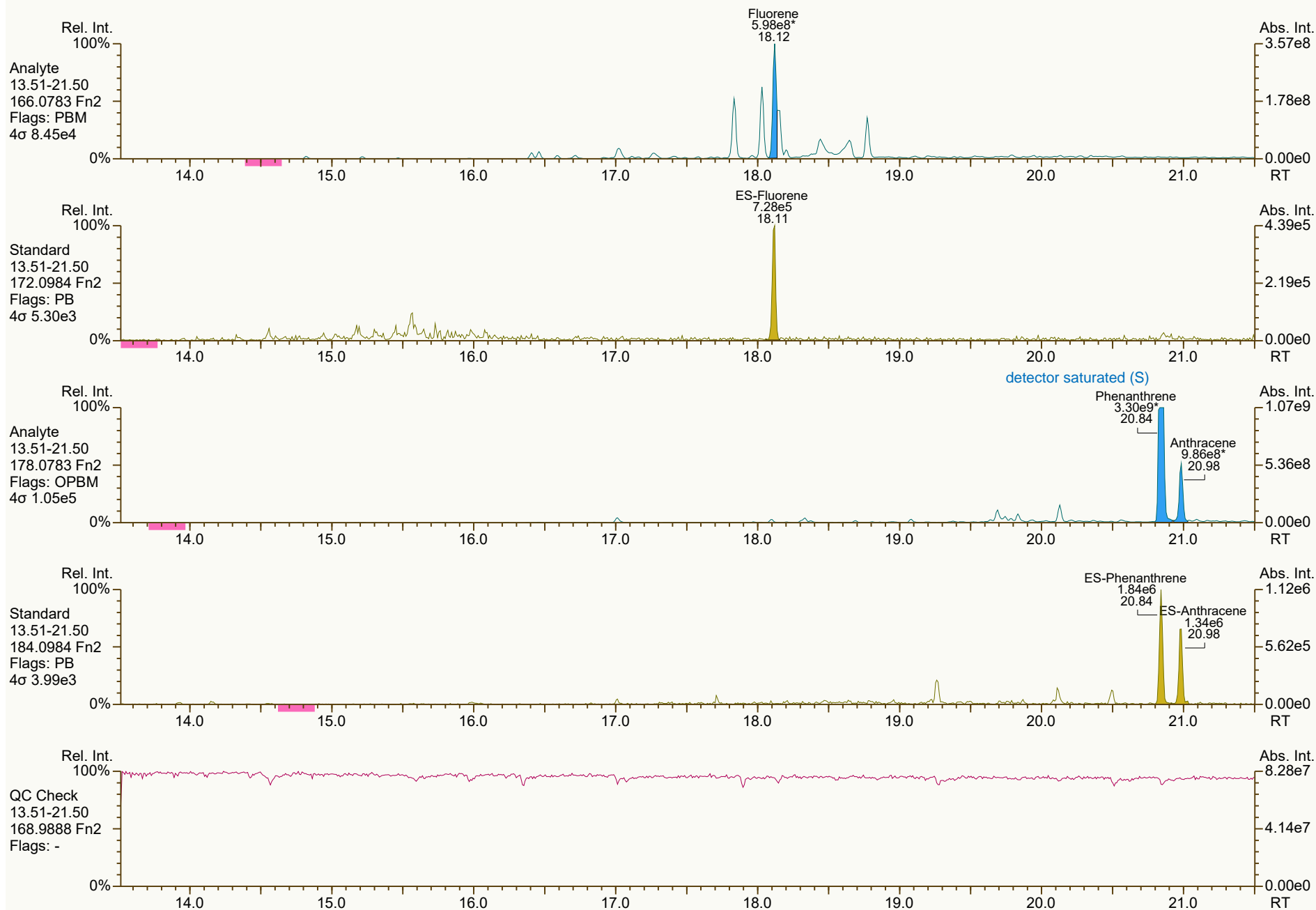
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:40 (DTF) Printed: 15-Oct-2024 11:30 Page 3 of 9

SGS ID: B9935_21527_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #6
VSIR EI+ Expt: pah GC: pah Vial: 88

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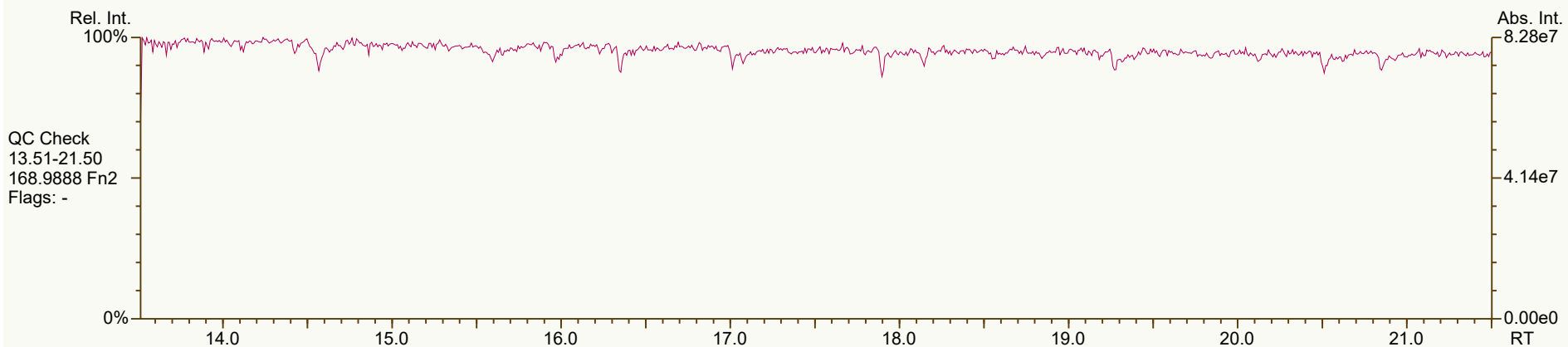
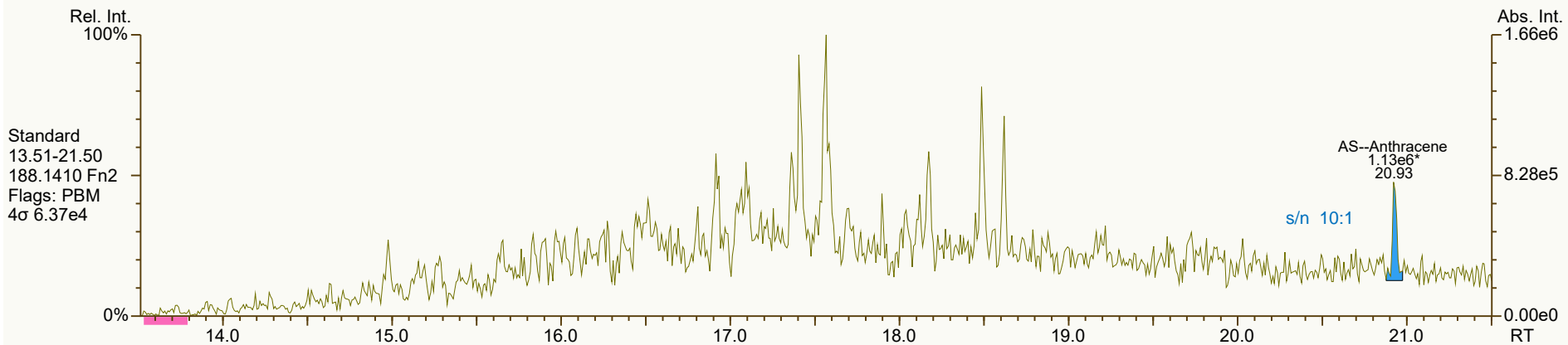
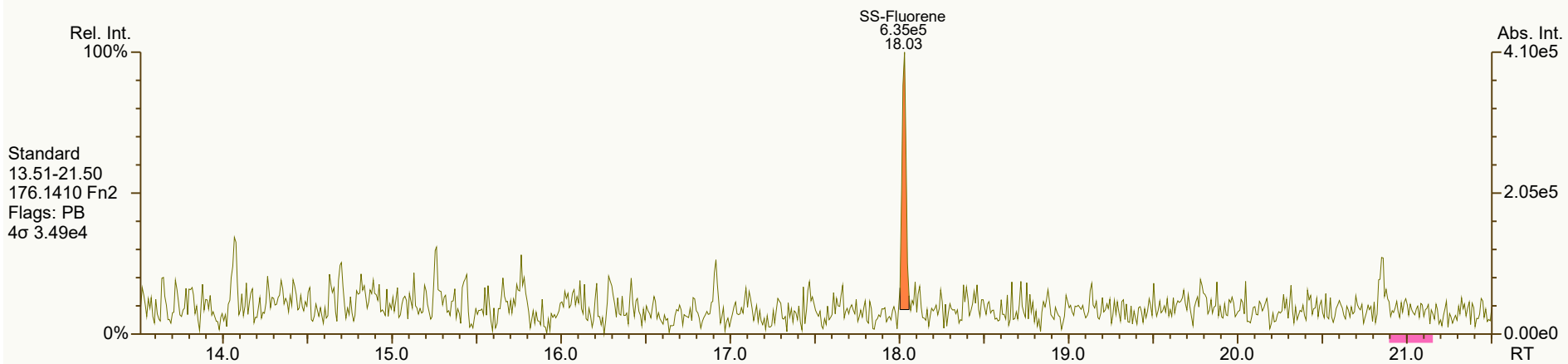
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:39 (DTF) Printed: 15-Oct-2024 11:30 Page 4 of 9

SGS ID: B9935_21527_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #6
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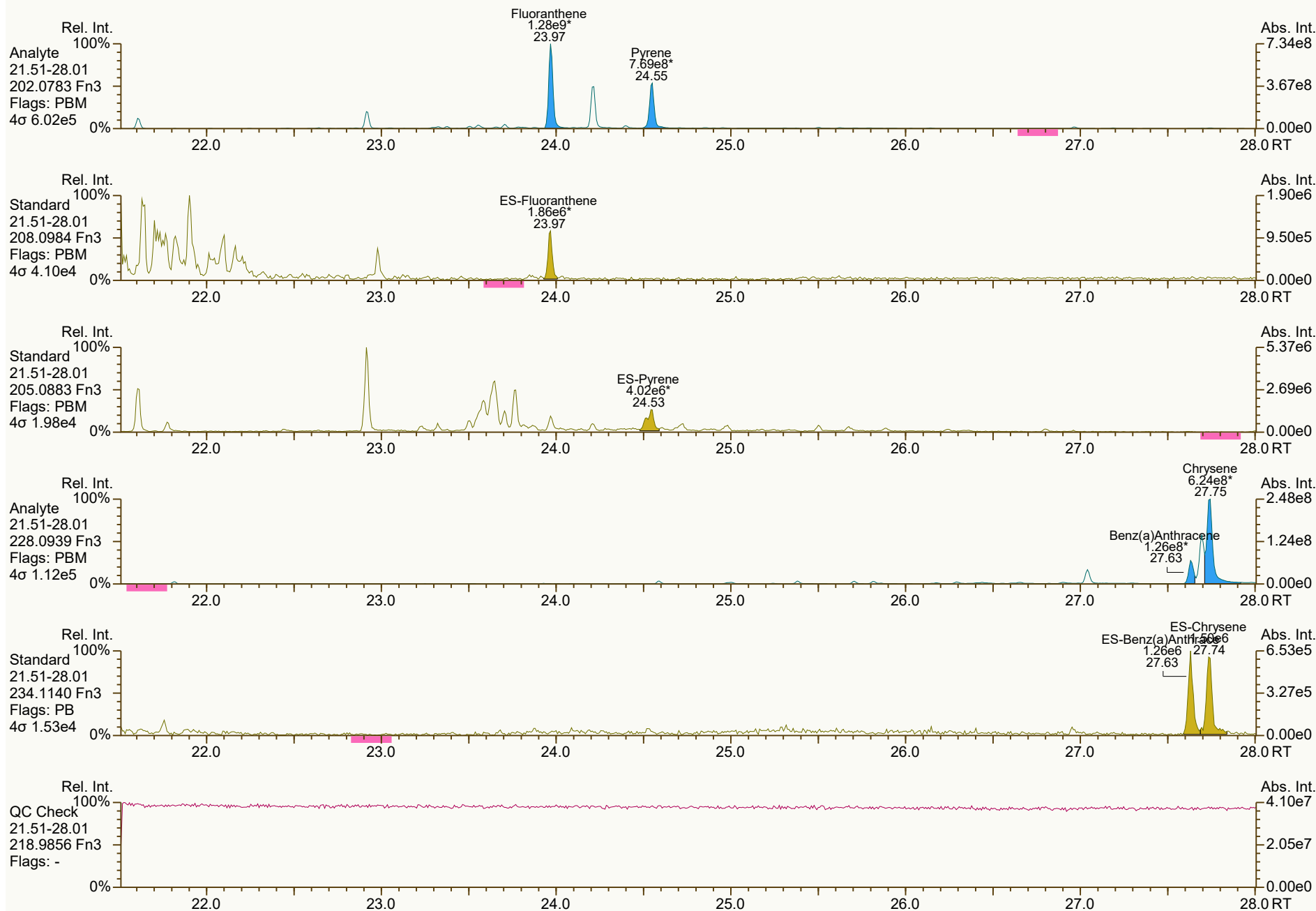
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SGS ID: B9935_21527_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #6
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Acq: 15-Oct-2024 00:55:25
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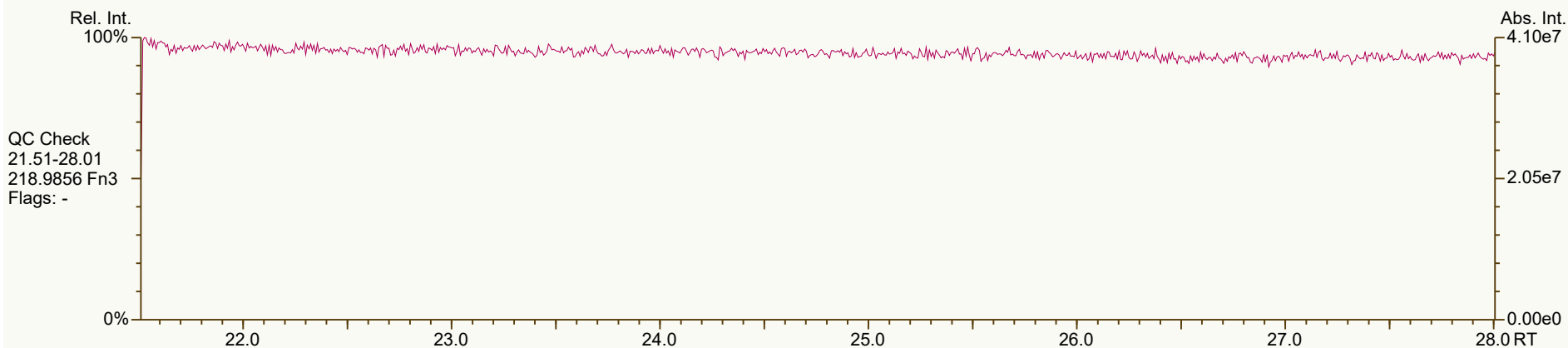
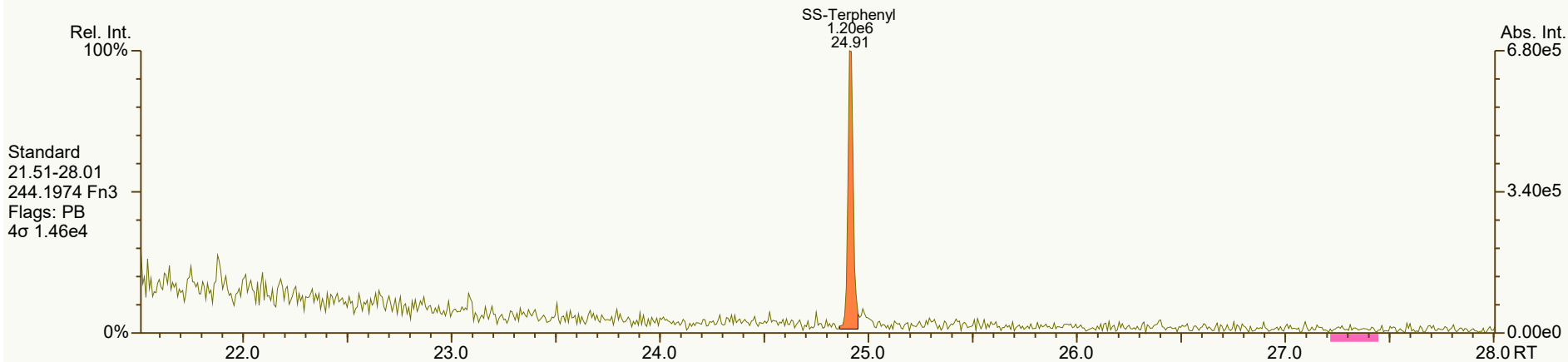
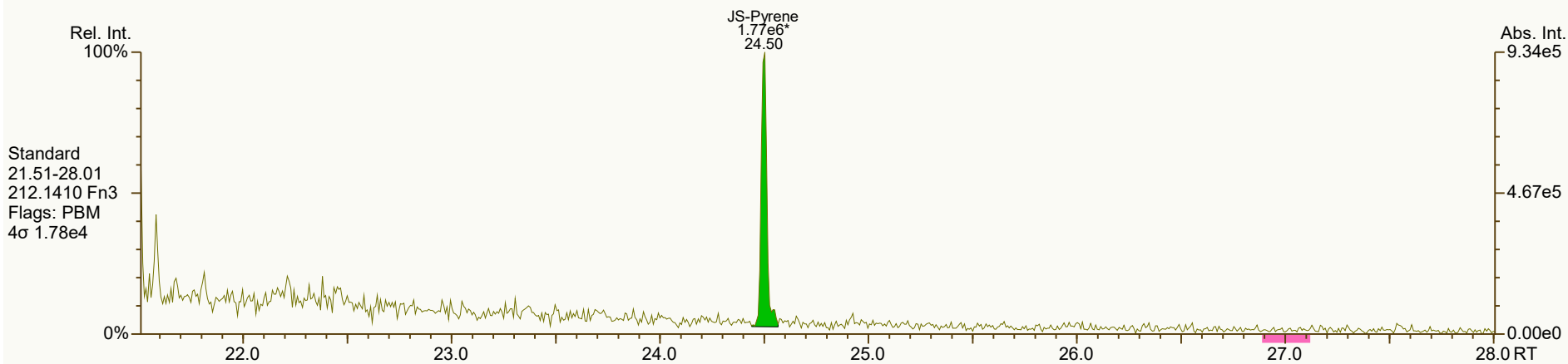
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2973, 8179, 0659, 1216, 5311 scc: 395-151

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:40 (DTF) Printed: 15-Oct-2024 11:30 Page 6 of 9

SGS ID: B9935_21527_PAH_006-D10
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Sample ID: Test #6
VSIR EI+ Expt: pah GC: pah Vial: 88

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User: DTF Datafile: 241014V21



SGS ID: B9935_21527_PAH_006-D10

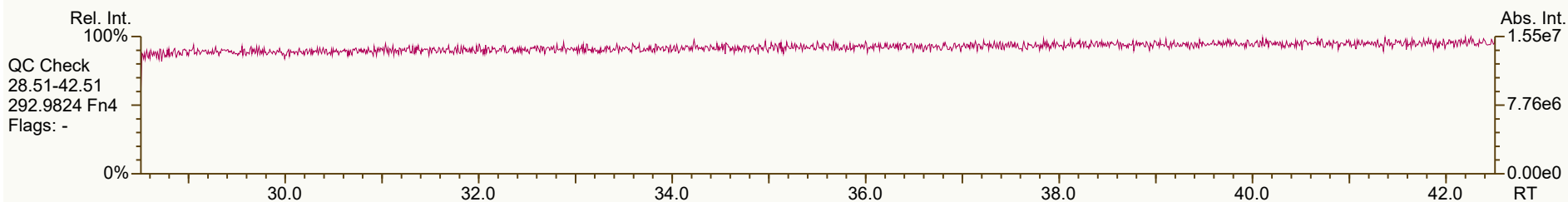
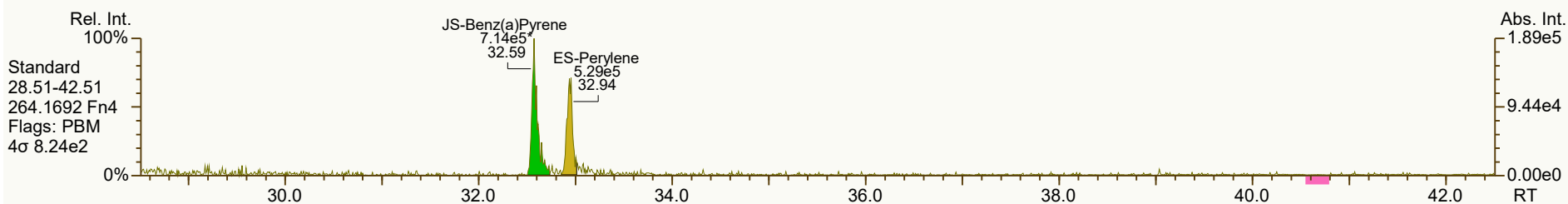
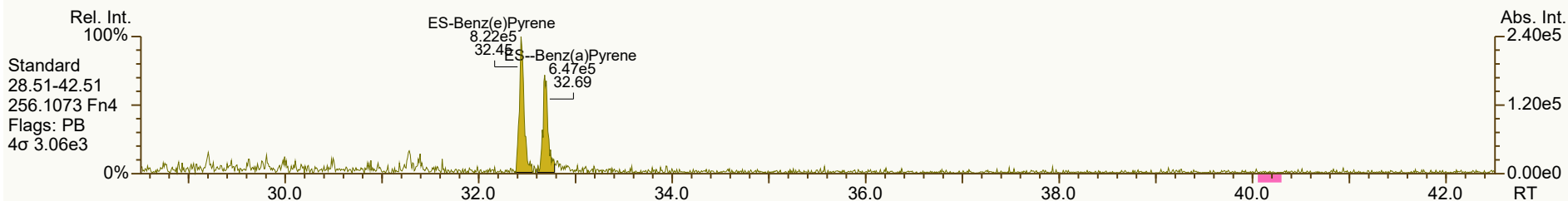
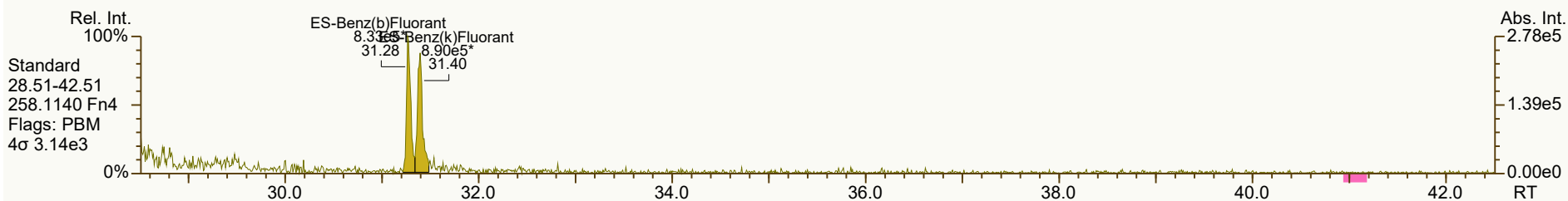
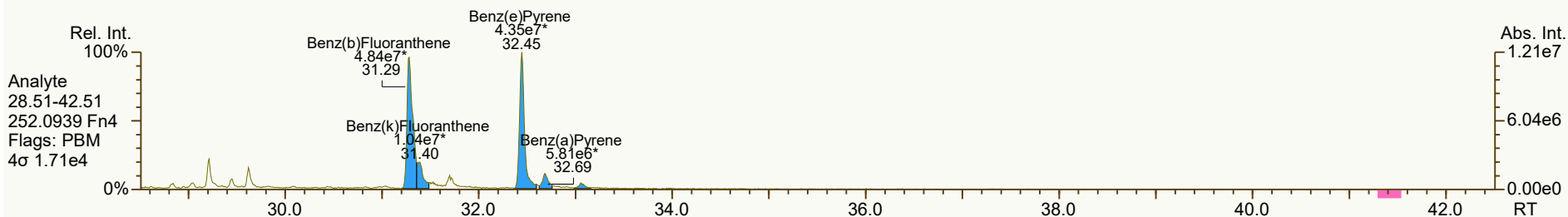
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Acq: 15-Oct-2024 00:55:25

Instr: [ILM] AutoSpec-Premier MM6

VSIR EI+ Expt: pah GC: pah Vial: 88

User: DTF Datafile: 241014V21



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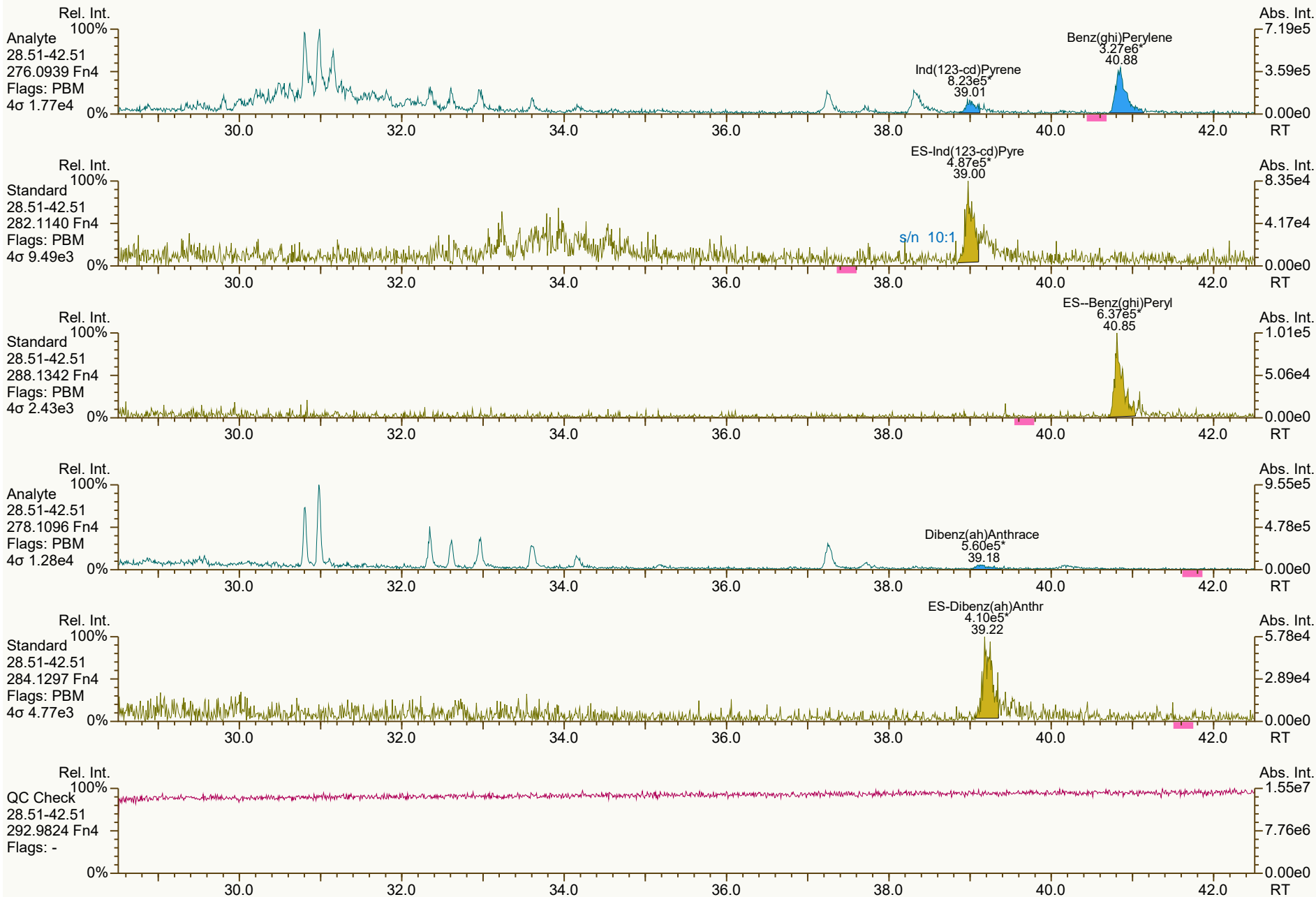
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:39 (DTF) Printed: 15-Oct-2024 11:30 Page 8 of 9

SGS ID: B9935_21527_PAH_006-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #6
VSIR EI+ Expt: pah GC: pah Vial: 88

Acq: 15-Oct-2024 00:55:25
User: DTF Datafile: 241014V21



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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1896, 1512, 1323, 2151, 8087 scc: 395-151

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:39 (DTF) Printed: 15-Oct-2024 11:30 Page 9 of 9

Datafile: 241014V22
Acquired: 15 Oct 2024 01:42:09

Client ID: Test #7
Lab ID: B9935_21527_PAH_007-D10

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)	2.1	3.1
Largest -ve RT shift (secs)	-8.7	-2.2

Checkcode: 322-773-GLQ

Name	Actual		Pred	Actual	Diff	Conc					
	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.44	E S	1.0005	0.9979	-1.6	7.00E+09	-	0.99	110000	1.32E+06	175.0000
2-Methylnaphthalene	13.01	E S	1.0004	0.9996	-0.6	3.38E+09	-	1.01	99300	4.31E+04	6.31000
Acenaphthylene	15.97	E S	1.0006	0.9994	-1.2	3.27E+09	-	0.92	87600	1.63E+05	21.30000
Acenaphthene	16.54	E	1.0005	1.0005	0	2.82E+08	-	1.01	12000	3.33E+05	60.30000
Fluorene	18.12	E	1.0005	1.0000	-0.5	7.04E+08	-	1.02	23000	6.78E+04	8.99000
Phenanthrene	20.83	E S	1.0004	0.9996	-1.0	3.35E+09	-	1.00	47400	9.46E+04	6.34000
Anthracene	20.99	E	1.0000	1.0000	0	1.11E+09	-	1.23	17000	9.46E+04	6.53000
Fluoranthene	23.98	E	1.0000	1.0003	+0.4	1.50E+09	-	0.92	23300	8.52E+05	56.60000
Pyrene	24.56	E	1.0000	1.0003	+0.4	9.32E+08	-	0.98	7020	8.52E+05	42.80000
Benzo (a) Anthracene	27.64	E	1.0000	1.0000	0	1.61E+08	-	1.00	3350	1.97E+05	19.70000
Chrysene	27.74	E	1.0003	1.0000	-0.5	7.28E+08	-	1.01	13000	1.97E+05	19.80000
Benzo (b) Fluoranthene	31.29	E	1.0000	1.0003	+0.6	4.74E+07	-	0.98	1790	1.77E+04	5.82000
Benzo (k) Fluoranthene	31.40		1.0003	1.0000	-0.6	1.05E+07	-	0.92	386	1.77E+04	5.94000
Benzo (e) Pyrene	32.45	E	1.0000	1.0000	0	4.48E+07	-	0.98	1670	1.77E+04	5.82000
Benzo (a) Pyrene	32.69		0.9997	1.0003	+1.2	6.50E+06	-	0.98	304	1.77E+04	9.33000
Perylene	33.06		1.0039	1.0036	-0.6	2.17E+06	-	1.06	118	1.77E+04	8.87000
Indeno (1,2,3-cd) Pyrene	39.04		1.0004	1.0013	+2.1	7.25E+05	-	0.92	50.1	1.63E+04	21.30000
Dibenzo (a,h) Anthracene	39.13		1.0007	0.9970	-8.7	4.42E+05	-	0.94	42.6	1.07E+04	22.20000
Benzo (ghi) Perylene	40.85		1.0006	1.0008	+0.5	3.35E+06	-	0.97	188	1.63E+04	17.20000

Datafile: 241014V22

Client ID: Test #7

Wt/Vol: 1.00 Train

MM6_PAH_ICAL_05MAR2024

Acquired: 15 Oct 2024 01:42:09

Lab ID: B9935_21527_PAH_007-D10

J Level: 4 ng/Train

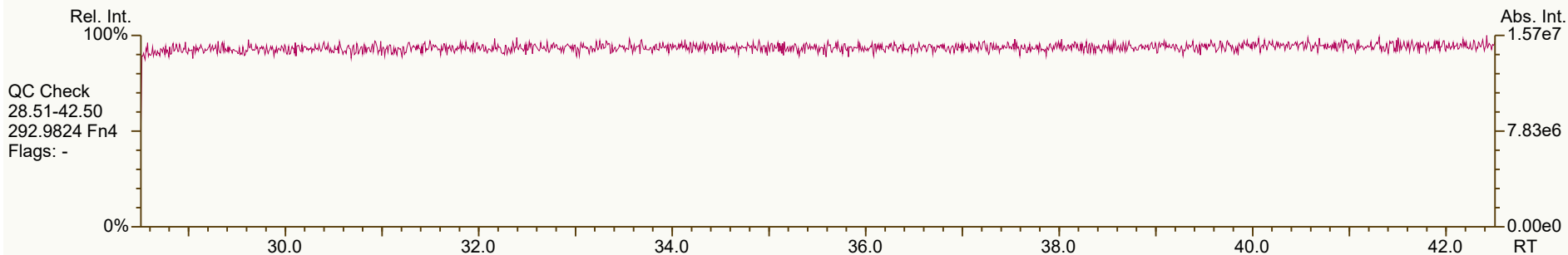
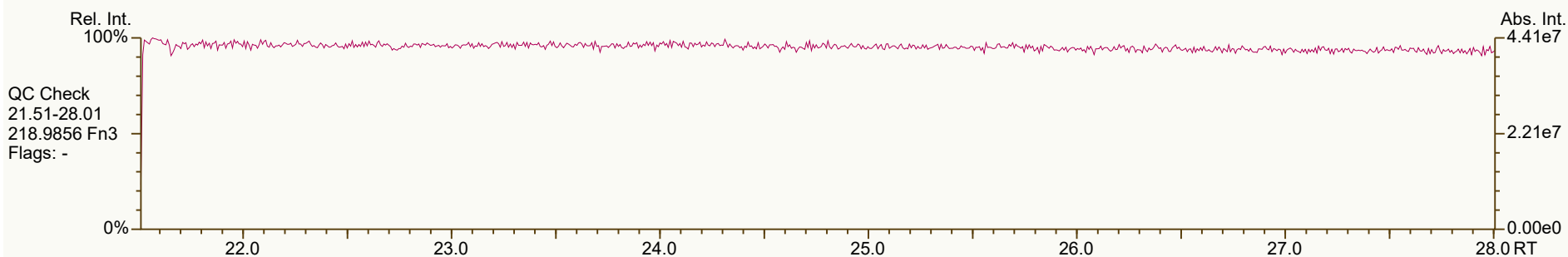
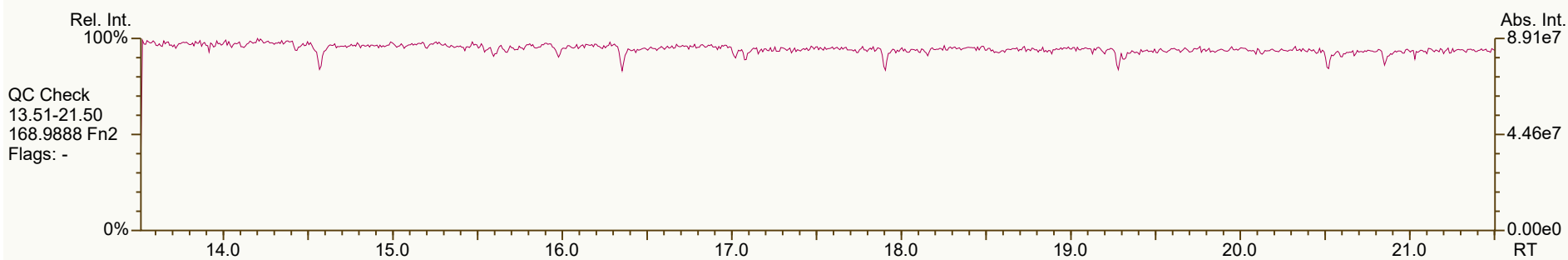
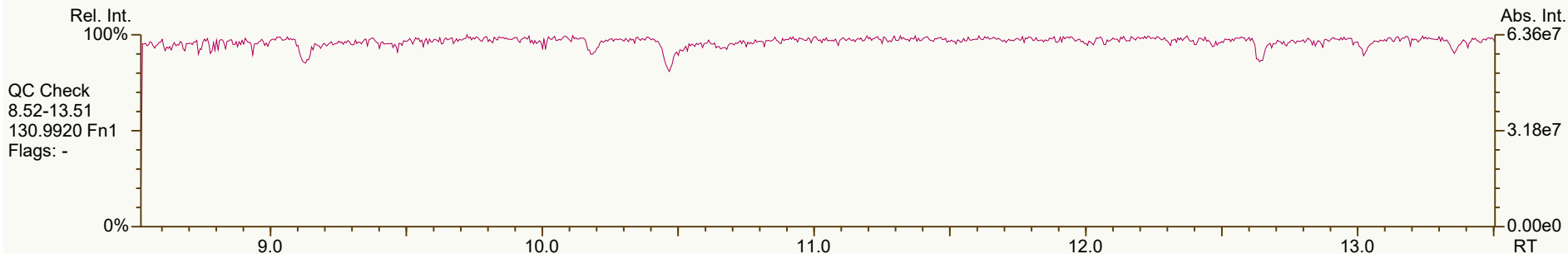
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS						Checkcode: 322-773-GLQ
Largest +ve RT shift (secs)			2.1	3.1						
Largest -ve RT shift (secs)			-8.7	-2.2						
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.46		0.8088	0.8110	+1.7	2.56E+06	-	1.35	77.8	
13C6-2-Methylnaphthalene	13.02		1.0086	1.0090	+0.3	1.35E+06	-	0.99	56	
13C6-Acenaphthylene	15.98		0.9717	0.9723	+0.6	1.62E+06	-	1.37	69.3	
13C6-Acenaphthene	16.53		1.0060	1.0060	0	9.30E+05	-	0.91	60	
13C6-Fluorene	18.12		1.1028	1.1027	-0.1	1.21E+06	-	1.09	64.6	
13C6-Phenanthrene	20.84		1.2693	1.2683	-1.0	2.84E+06	-	1.91	87.1	
13C6-Anthracene	20.99		1.2780	1.2770	-1.0	2.12E+06	-	1.35	92.3	
13C6-Fluoranthene	23.97		0.9785	0.9782	-0.4	2.82E+06	-	1.23	76.6	
13C3-Pyrene	24.55	V	1.0023	1.0020	-0.4	5.42E+06	-	1.23	146	
13C6-Benzo (a) Anthracene	27.64		1.1284	1.1280	-0.6	1.92E+06	-	0.86	74.1	
13C6-Chrysene	27.74		1.1326	1.1322	-0.6	2.22E+06	-	1.19	62.4	
13C6-Benzo (b) Fluoranthene	31.28		0.9602	0.9602	0	1.08E+06	-	1.28	90.6	
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9638	+0.4	1.18E+06	-	1.82	69.8	
13C4-Benzo (e) Pyrene	32.45		0.9961	0.9961	0	1.10E+06	-	1.56	75.8	
13C4-Benzo (a) Pyrene	32.68		1.0036	1.0031	-1.0	8.70E+05	-	1.23	76.1	
dl2-Perylene	32.95		1.0112	1.0112	0	6.96E+05	-	1.13	66.4	
13C6-Indeno(1,2,3-cd) Pyrene	38.99		1.1968	1.1966	-0.4	6.31E+05	-	0.85	79.6	
13C6-Dibenzo (ah) Anthracene	39.25		1.2031	1.2047	+3.1	4.43E+05	-	0.94	50.5	
13C12-Benzo (ghi) Perylene	40.82		1.2539	1.2528	-2.2	7.36E+05	-	1.33	59.5	
AS--Anthracene	20.93		1.2748	1.2738	-1.0	1.81E+06	-	1.17	vs JS	90.6
FS--Anthracene								0.87	vs ES	98.2
SS-Fluorene	18.03		0.9956	0.9951	-0.5	1.05E+06	-	1.00		87
SS-Terphenyl	24.92		1.0396	1.0396	0	2.28E+06	-	0.79		102
JS-Methylnaphthalene	12.90		-	-	-	2.44E+06	-	-		-
JS-Acenaphthene	16.43		-	-	-	1.71E+06	-	-		-
JS-Pyrene	24.50		-	-	-	3.00E+06	-	-		-
JS-Benzo (a) Pyrene	32.58		-	-	-	9.31E+05	-	-		-

SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

Acq: 15-Oct-2024 01:42:09
User: DTF Datafile: 241014V22



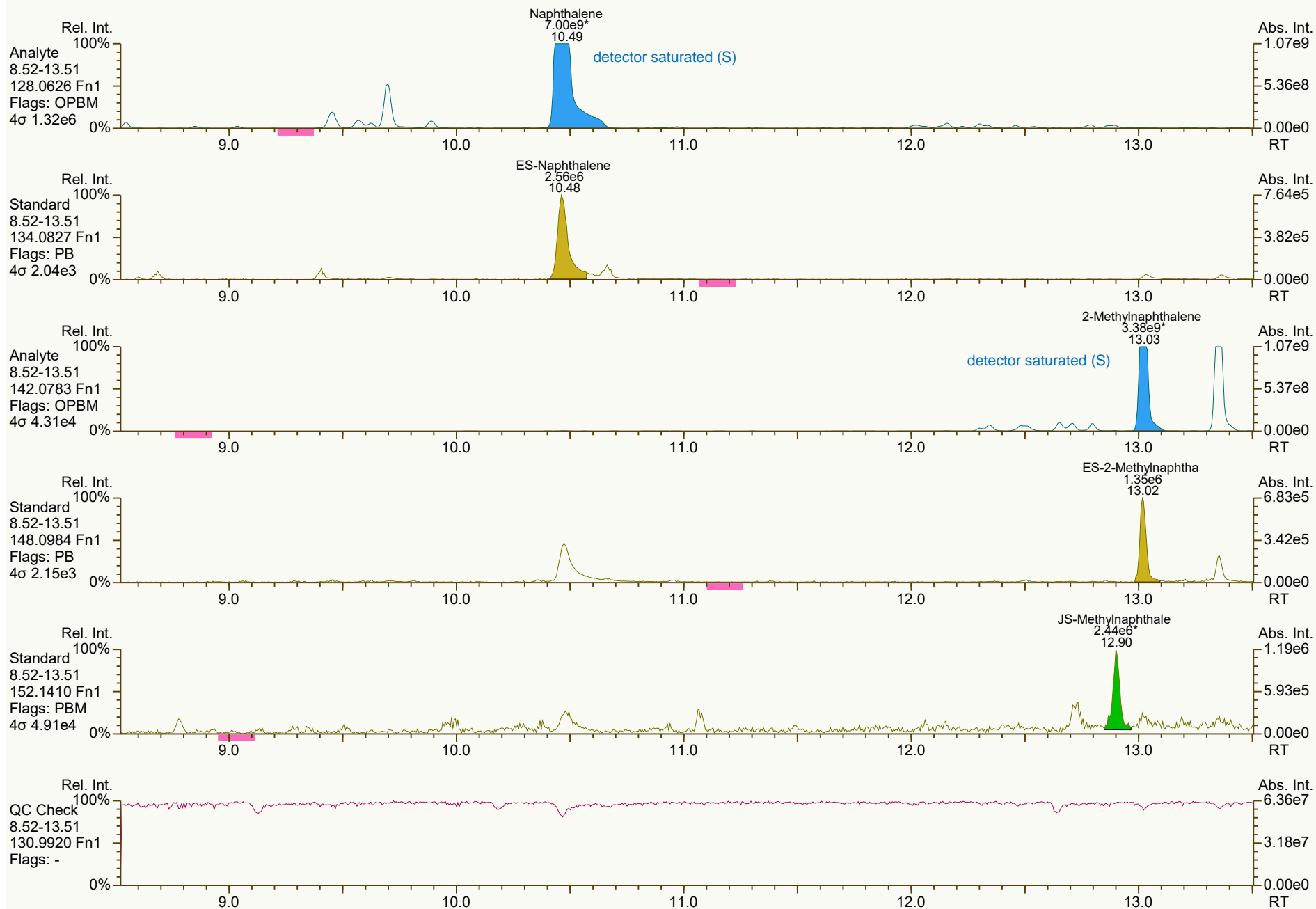
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 322-773

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:30 Page 1 of 9

SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

Acq: 15-Oct-2024 01:42:09
User: DTF Datafile: 241014V22



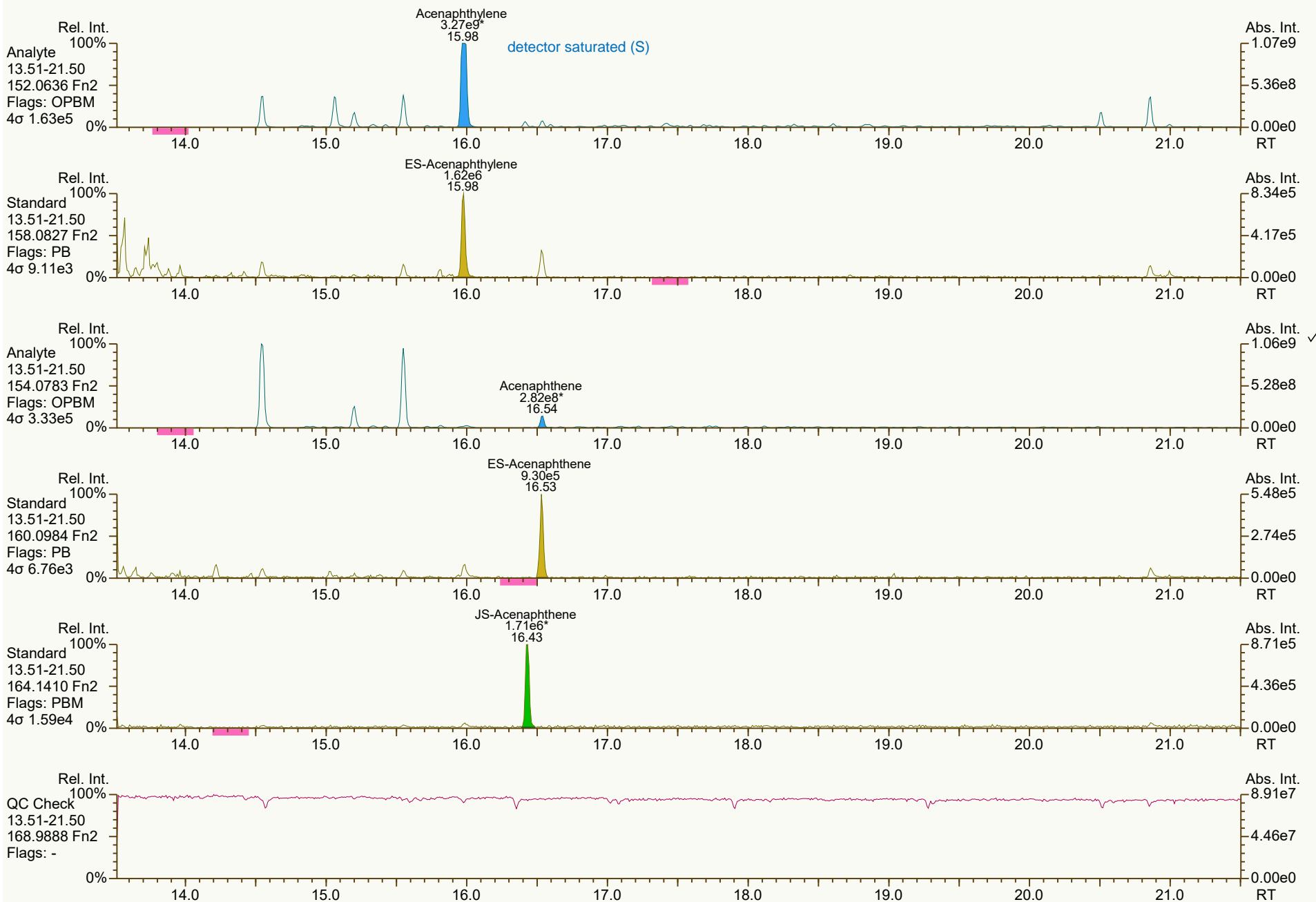
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6547, 0844, 7308, 9995, 4248 scc: 322-773

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:42 (DTF) Printed: 15-Oct-2024 11:30 Page 2 of 9

SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

Acq: 15-Oct-2024 01:42:09
User: DTF Datafile: 241014V22



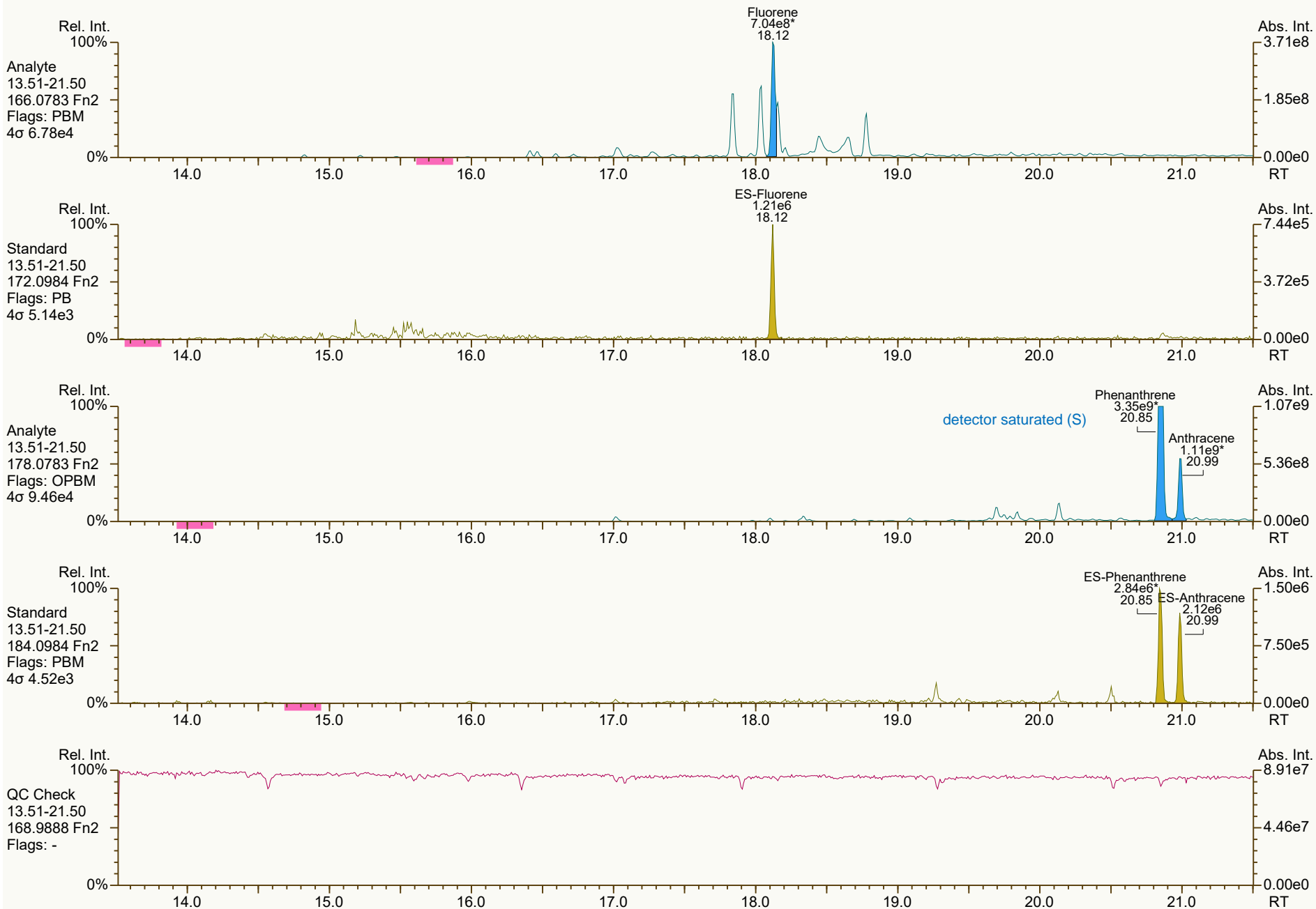
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:42 (DTF) Printed: 15-Oct-2024 11:30 Page 3 of 9

SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

Acq: 15-Oct-2024 01:42:09
User: DTF Datafile: 241014V22



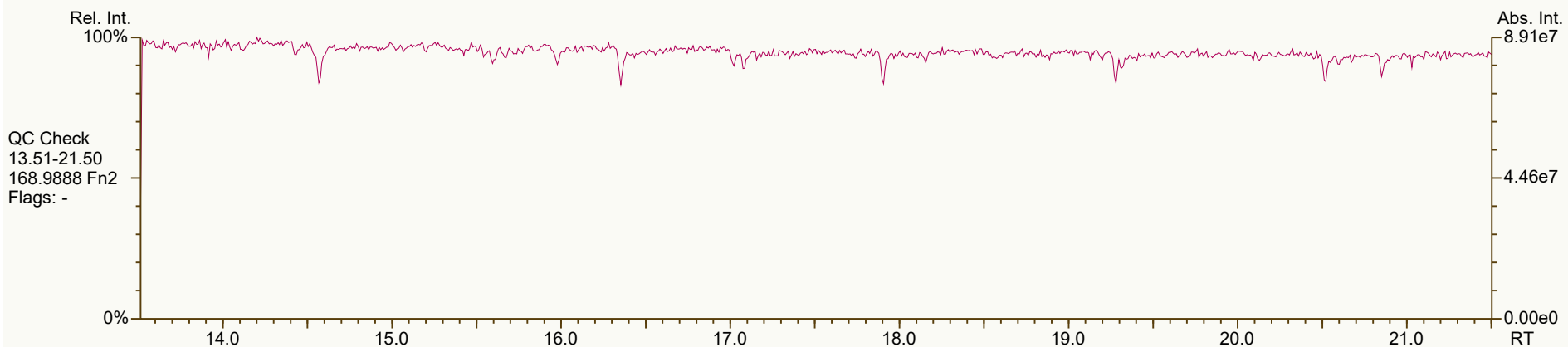
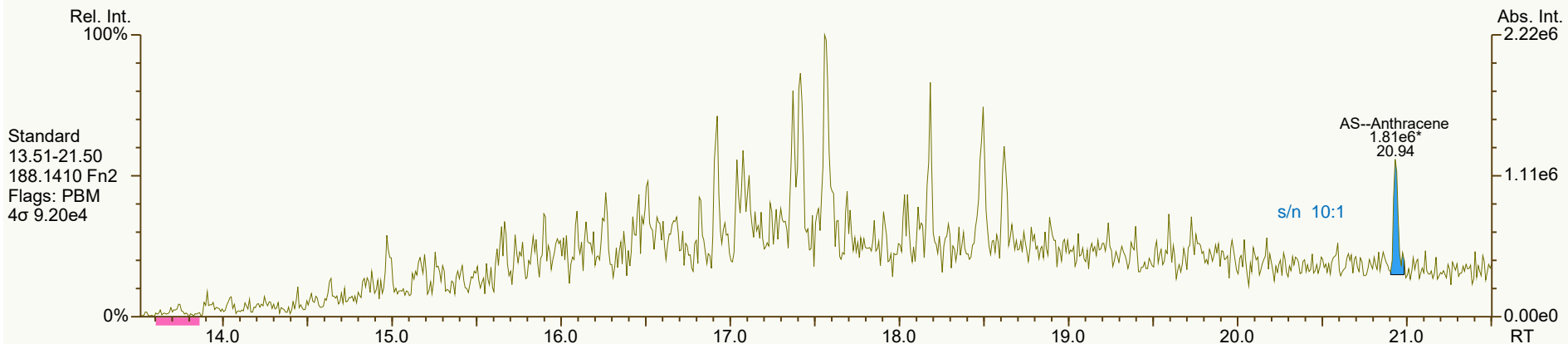
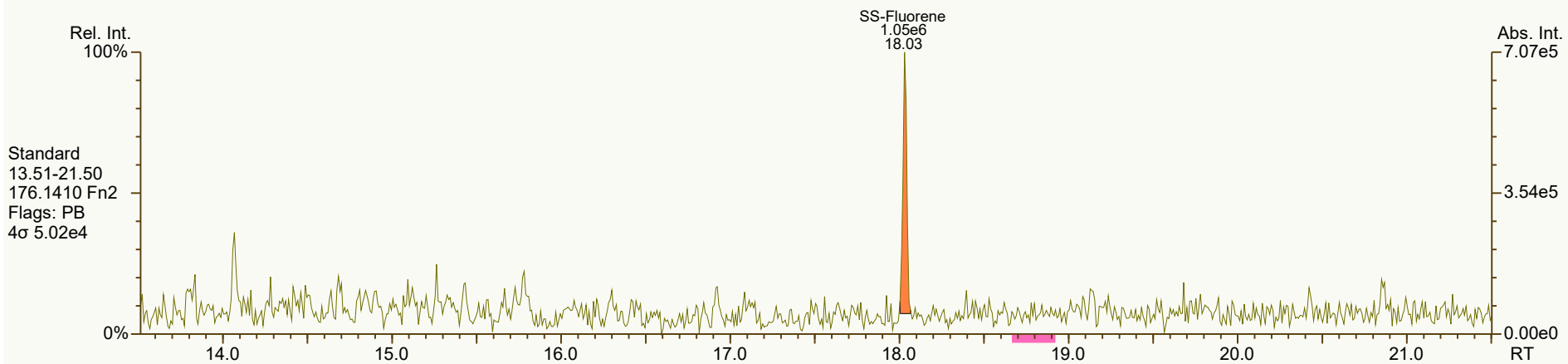
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:47 (DTF) Printed: 15-Oct-2024 11:30 Page 4 of 9

SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

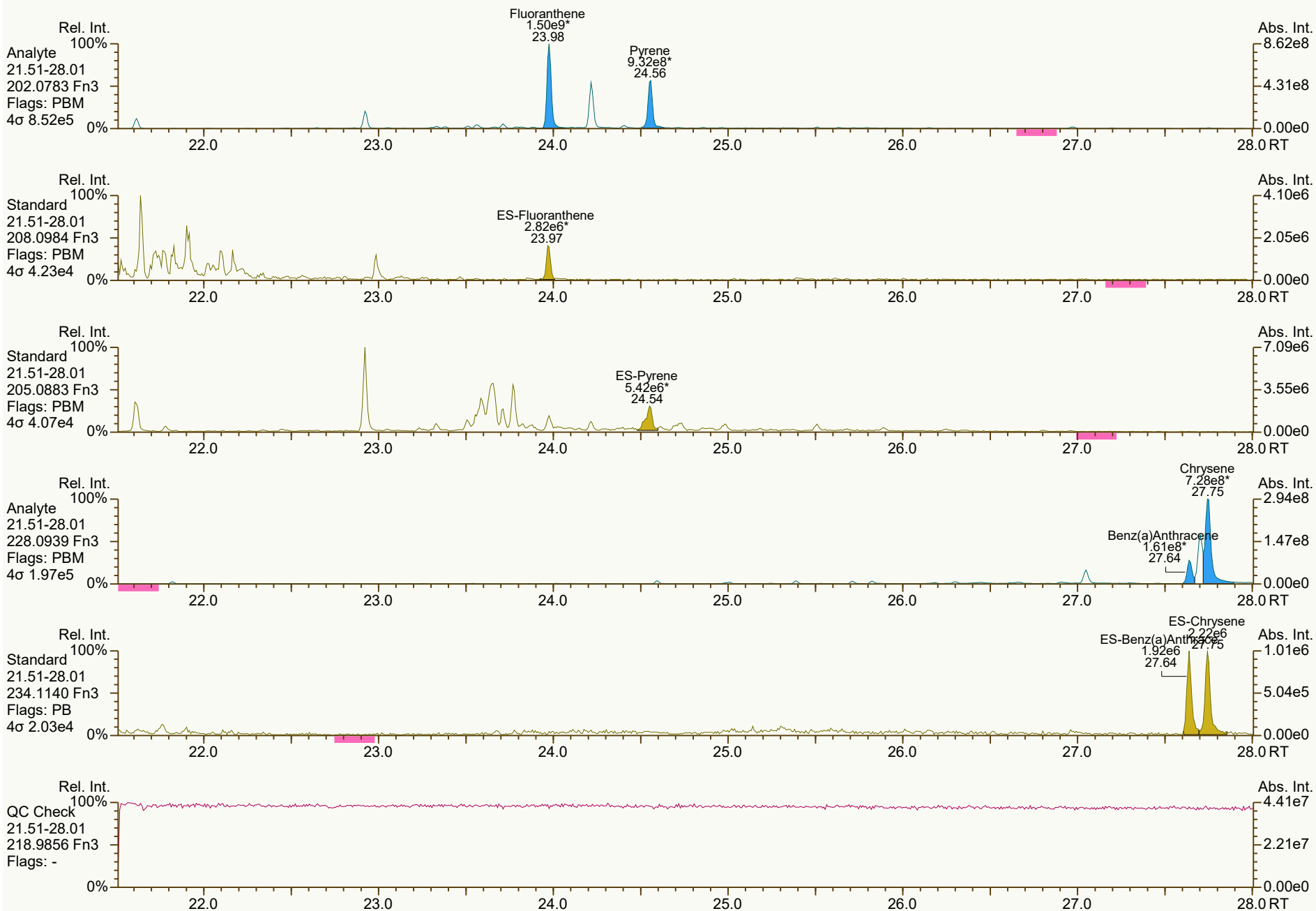
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User: DTF Datafile: 241014V22



SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

Acq: 15-Oct-2024 01:42:09
User: DTF Datafile: 241014V22



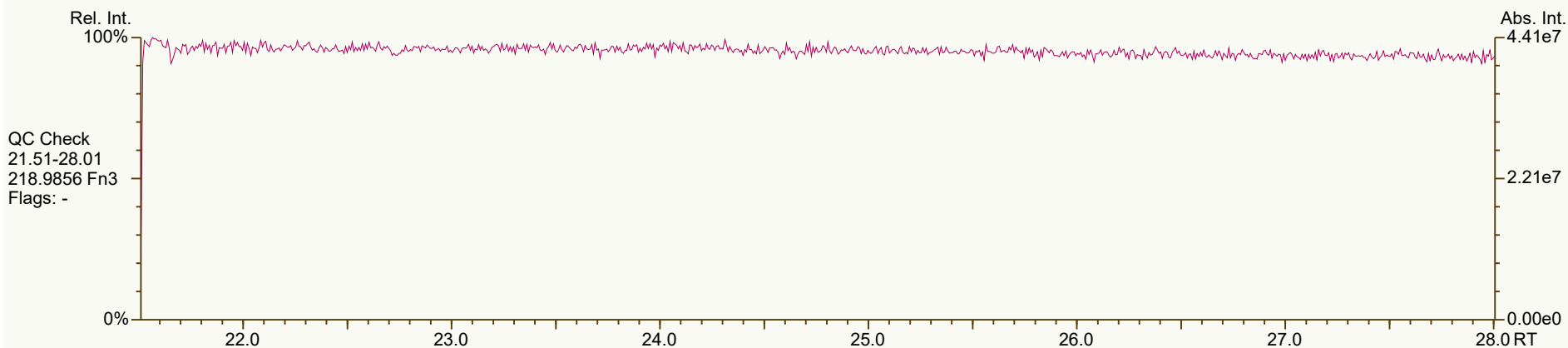
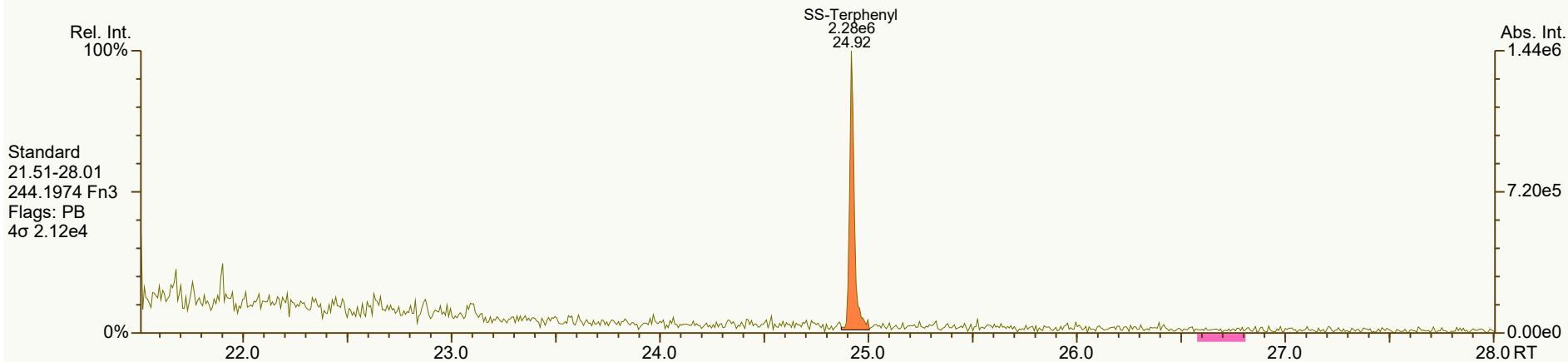
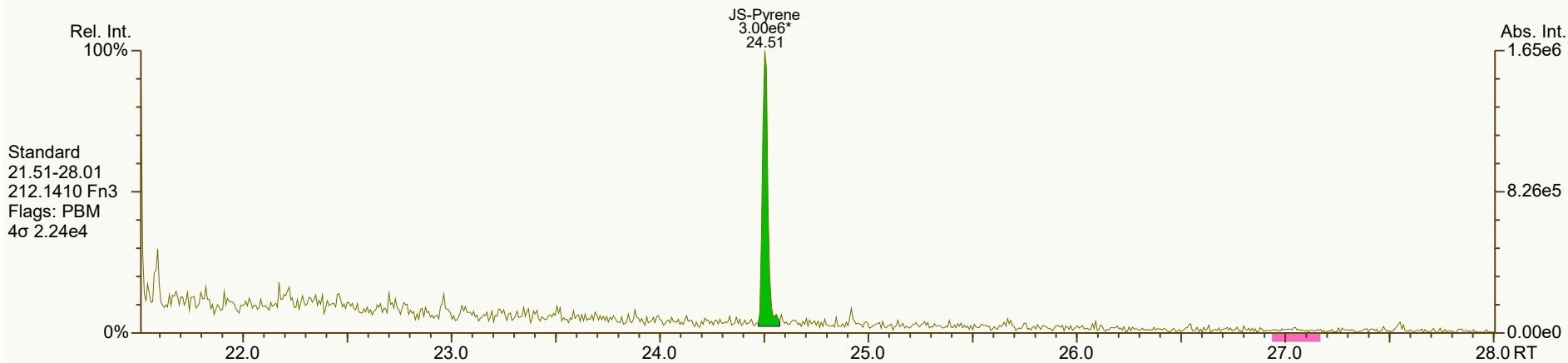
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 6249, 1841, 5567, 8856, 5702 scc: 322-773

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:43 (DTF) Printed: 15-Oct-2024 11:30 Page 6 of 9

SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

Acq: 15-Oct-2024 01:42:09
User: DTF Datafile: 241014V22



SGS ID: B9935_21527_PAH_007-D10

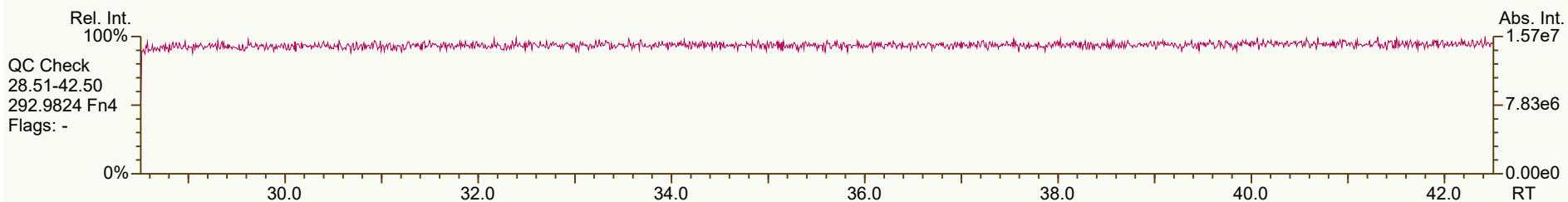
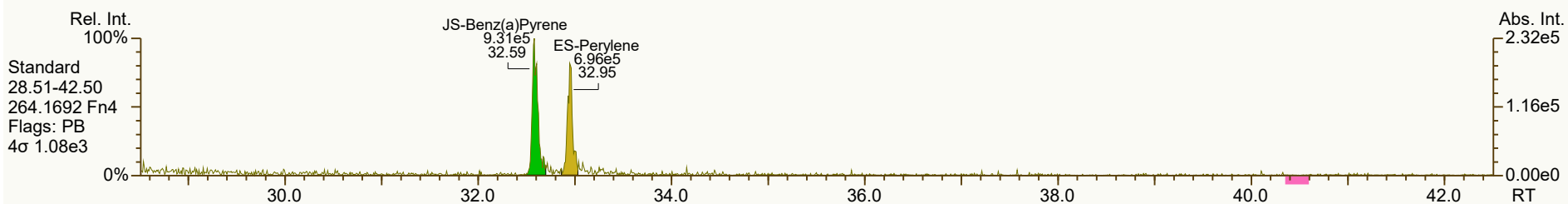
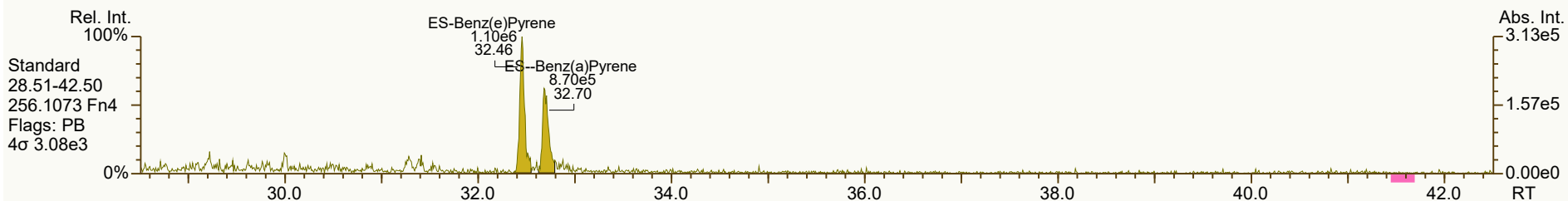
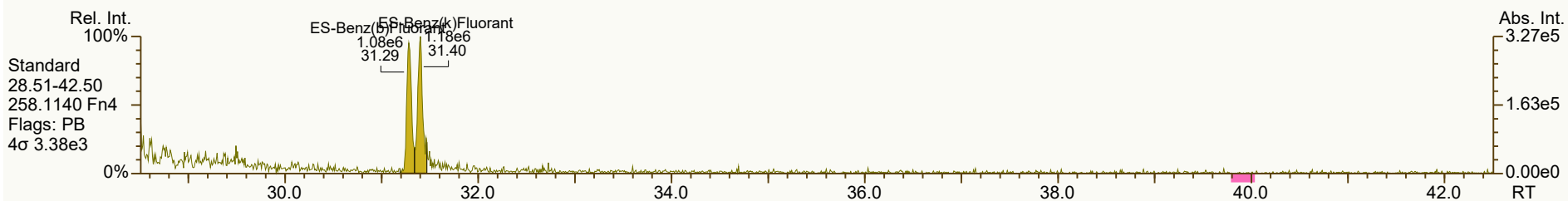
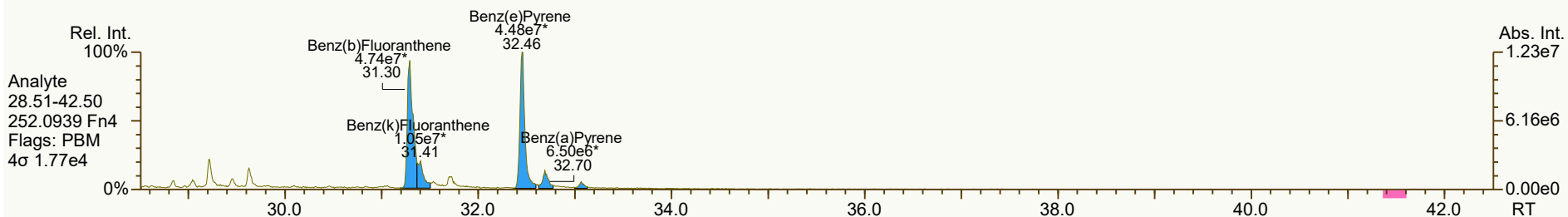
Sample ID: Test #7

Acq: 15-Oct-2024 01:42:09

Instr: [ILM] AutoSpec-Premier MM6

VSIR EI+ Expt: pah GC: pah Vial: 89

User: DTF Datafile: 241014V22



Results: P:\B9900_B9999\B9935\B9935_21527_PAH\Resources\B9935_21527_PAH_007-D10.utp_res, saved 15-Oct-2024 10:48 (DTF)

Peak annotation: Areas, Centroids

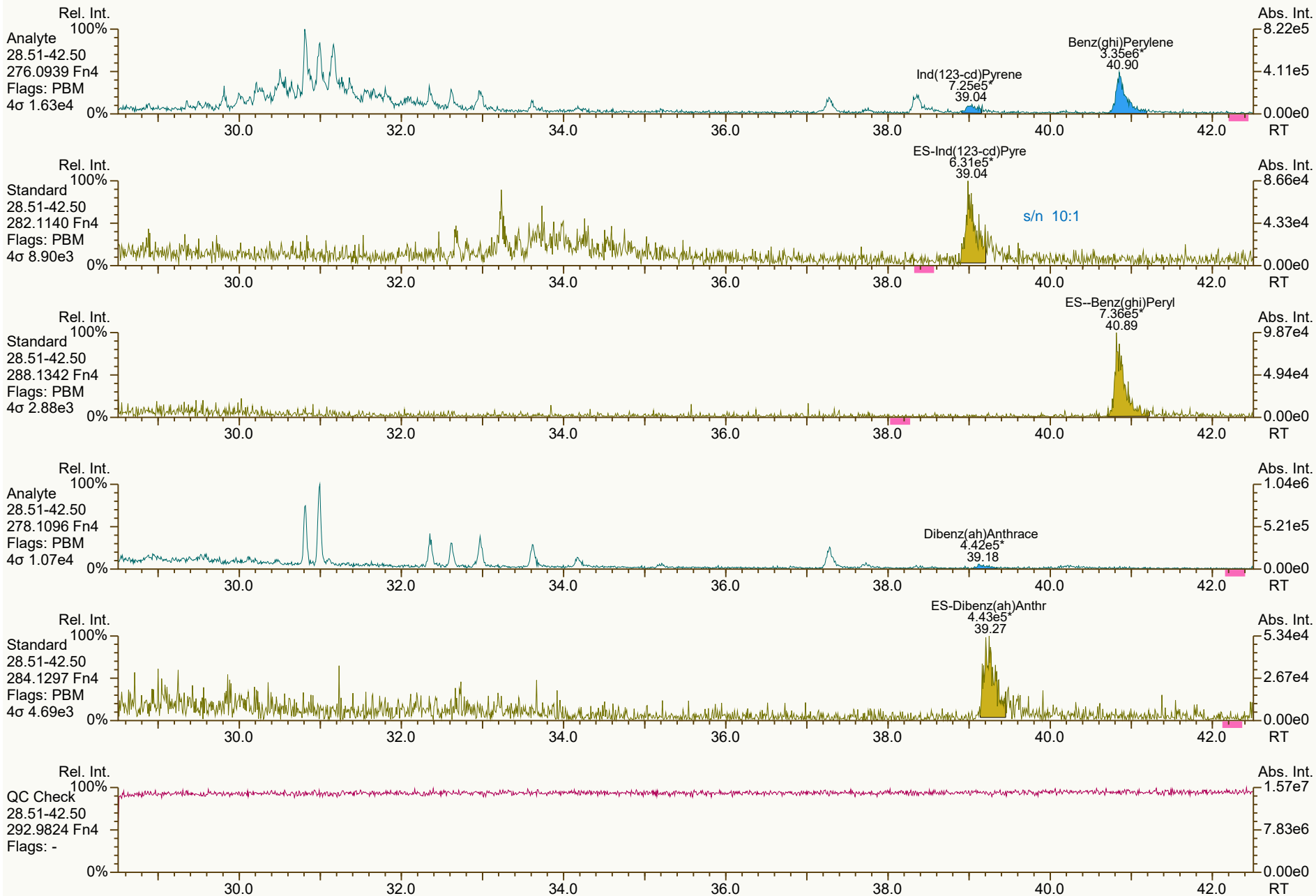
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Revised: 15-Oct-2024 10:43 (DTF) Printed: 15-Oct-2024 11:30 Page 8 of 9

SGS ID: B9935_21527_PAH_007-D10
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Test #7
VSIR EI+ Expt: pah GC: pah Vial: 89

Acq: 15-Oct-2024 01:42:09
User: DTF Datafile: 241014V22



Results: P:\B9900_B9999\B9935\B9935_21527_PAH\Resources\B9935_21527_PAH_007-D10.utp_res, saved 15-Oct-2024 10:48 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5202, 0705, 1462, 8929, 6861 scc: 322-773

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 10:44 (DTF) Printed: 15-Oct-2024 11:30 Page 9 of 9

Datafile: 241014V14
Acquired: 14 Oct 2024 19:28:27

Client ID: Field Blank
Lab ID: B9935_21527_PAH_008

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

MM6_PAH_ICAL_05MAR2024
Nominal ES spike: 40 ng

Checkcode: 247-726-DGY

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

Name	Actual		Pred	Actual	Diff	Conc					
	RT	QC	RRT	RRT	Secs	Response	Ra	RRF	ng/Train	Noise	DL
Naphthalene	10.43	B E S	1.0005	1.0005	0	3.20E+09	-	0.99	3880	2.75E+05	2.16000
2-Methylnaphthalene	13.00	B E	1.0004	1.0004	0	4.87E+08	-	1.01	729	3.17E+04	0.23500
Acenaphthylene	15.97	E	1.0006	1.0006	0	2.76E+08	-	0.92	405	7.14E+04	0.53800
Acenaphthene	16.52	B	1.0005	1.0000	-0.5	2.21E+07	-	1.01	44.5	5.06E+04	0.49400
Fluorene	18.12	B	1.0005	1.0005	0	4.47E+07	-	1.02	64	2.18E+04	0.14400
Phenanthrene	20.84	B	1.0004	1.0000	-0.5	3.55E+08	-	1.00	242	3.08E+04	0.09730
Anthracene	20.99	B	1.0000	1.0000	0	2.67E+07	-	1.23	17.3	3.08E+04	0.09330
Fluoranthene	23.98	B	1.0000	1.0003	+0.4	3.98E+07	-	0.92	29.3	5.80E+04	0.20400
Pyrene	24.55	B	1.0000	1.0000	0	4.52E+07	-	0.98	29.9	5.80E+04	0.18600
Benzo (a) Anthracene	27.65	J B	1.0000	1.0000	0	1.46E+06	-	1.00	1.24	2.16E+04	0.11100
Chrysene	27.75	J B	1.0003	1.0000	-0.5	5.70E+06	-	1.01	3.74	2.16E+04	0.09780
Benzo (b) Fluoranthene	31.29	J B	1.0000	1.0000	0	1.82E+06	-	0.98	2.34	1.31E+04	0.13500
Benzo (k) Fluoranthene	31.39	J B	1.0003	0.9997	-1.1	5.09E+05	-	0.92	0.546	1.31E+04	0.15500
Benzo (e) Pyrene	32.46	J B	1.0000	1.0003	+0.6	2.50E+06	-	0.98	3.01	1.31E+04	0.14600
Benzo (a) Pyrene	32.70	J B	0.9997	1.0000	+0.6	8.25E+05	-	0.98	1.21	1.31E+04	0.21200
Perylene	33.09	J	1.0039	1.0041	+0.4	3.56E+05	-	1.06	0.642	1.31E+04	0.25900
Indeno (1,2,3-cd) Pyrene	38.98	J B	1.0004	0.9996	-1.9	8.41E+05	-	0.92	1.96	1.14E+04	0.44900
Dibenzo (a,h) Anthracene	-		1.0007	0.0000		0.00E+00	-	0.94	ND	9.17E+03	0.47200
Benzo (ghi) Perylene	40.86	B	1.0006	1.0004	-0.5	6.37E+06	-	0.97	9.61	1.14E+04	0.31900

Datafile: 241014V14

Client ID: Field Blank

Wt/Vol: 1.00 Train

MM6_PAH_ICAL_05MAR2024

Acquired: 14 Oct 2024 19:28:27

Lab ID: B9935_21527_PAH_008

J Level: 4 ng/Train

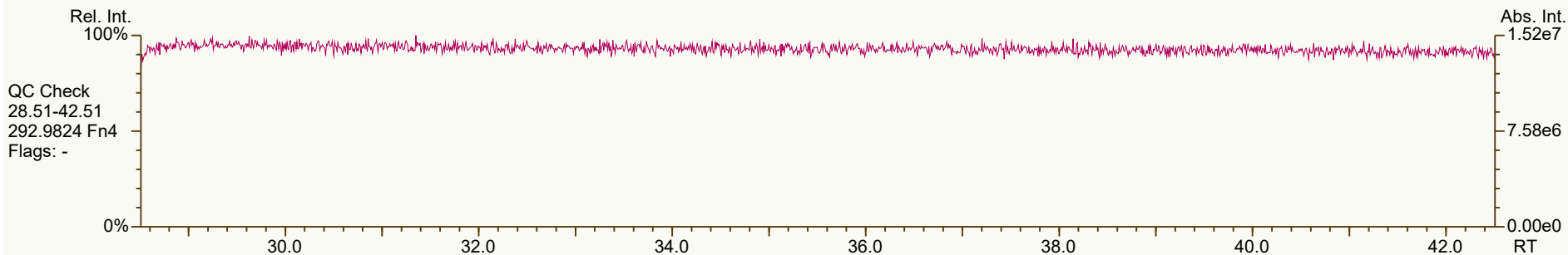
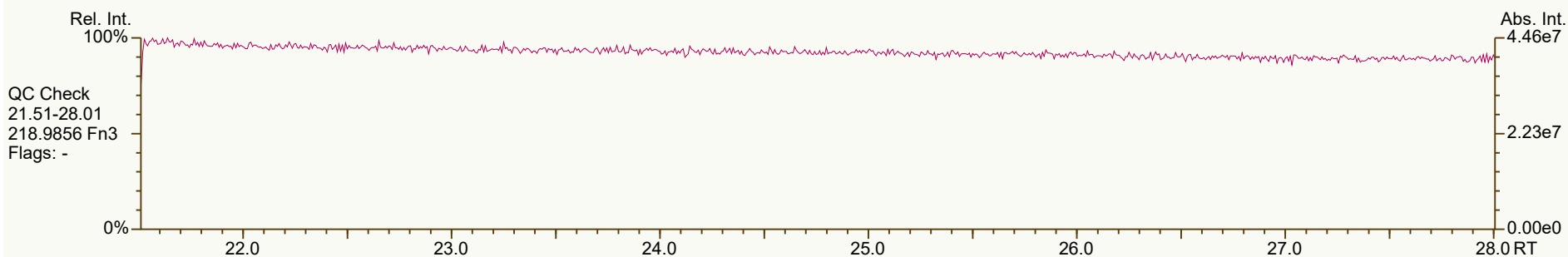
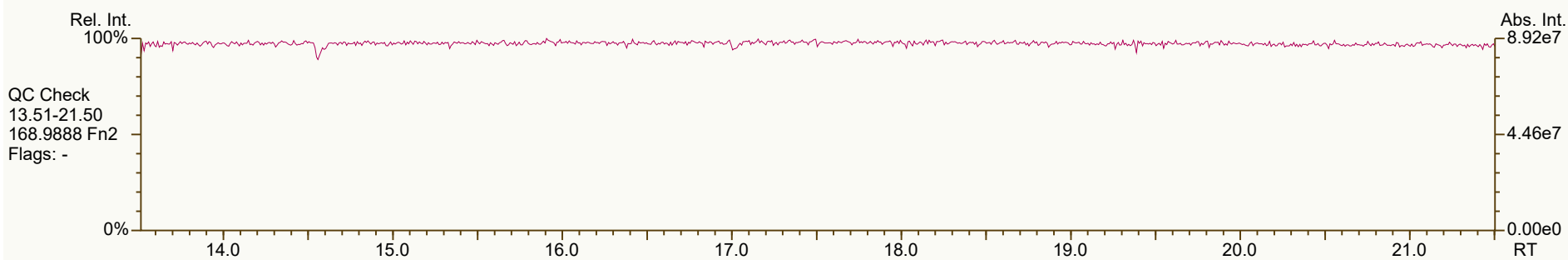
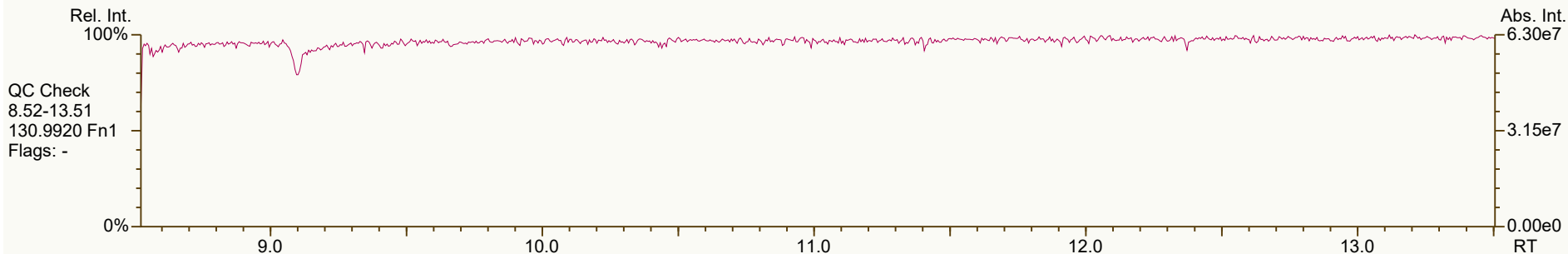
Nominal ES spike: 40 ng

		Stats	PAH Ax	ES/SS						Checkcode: 247-726-DGY
Largest +ve RT shift (secs)			0.6	0.6						
Largest -ve RT shift (secs)			-1.9	-0.6						
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Recv.	
13C6-Naphthalene	10.42		0.8088	0.8087	-0.1	3.33E+07	-	1.35	45.1	
13C6-2-Methylnaphthalene	12.99		1.0086	1.0082	-0.3	2.65E+07	-	0.99	48.9	
13C6-Acenaphthylene	15.96		0.9717	0.9723	+0.6	2.95E+07	-	1.37	55.7	
13C6-Acenaphthene	16.52		1.0060	1.0065	+0.5	1.95E+07	-	0.91	55.6	
13C6-Fluorene	18.11		1.1028	1.1033	+0.5	2.75E+07	-	1.09	65	
13C6-Phenanthrene	20.84		1.2693	1.2697	+0.4	5.89E+07	-	1.91	79.7	
13C6-Anthracene	20.99		1.2780	1.2784	+0.4	5.00E+07	-	1.35	96	
13C6-Fluoranthene	23.97		0.9785	0.9782	-0.4	5.92E+07	-	1.23	74.4	
13C3-Pyrene	24.55		1.0023	1.0020	-0.4	6.16E+07	-	1.23	77	
13C6-Benzo (a) Anthracene	27.65		1.1284	1.1283	-0.1	4.71E+07	-	0.86	84	
13C6-Chrysene	27.75		1.1326	1.1325	-0.1	6.05E+07	-	1.19	78.5	
13C6-Benzo (b) Fluoranthene	31.29		0.9602	0.9604	+0.4	3.16E+07	-	1.28	84.9	
13C6-Benzo (k) Fluoranthene	31.40		0.9636	0.9638	+0.4	4.07E+07	-	1.82	76.6	
13C4-Benzo (e) Pyrene	32.45		0.9961	0.9961	0	3.40E+07	-	1.56	74.8	
13C4-Benzo (a) Pyrene	32.70		1.0036	1.0036	0	2.77E+07	-	1.23	77.3	
dl2-Perylene	32.95		1.0112	1.0115	+0.6	2.09E+07	-	1.13	63.8	
13C6-Indeno (1,2,3-cd) Pyrene	38.99		1.1968	1.1968	0	1.87E+07	-	0.85	75.5	
13C6-Dibenzo (ah) Anthracene	39.21		1.2031	1.2034	+0.6	2.01E+07	-	0.94	73.4	
13C12-Benzo (ghi) Perylene	40.84		1.2539	1.2536	-0.6	2.74E+07	-	1.33	70.6	
AS--Anthracene	20.93		1.2748	1.2751	+0.3	4.18E+07	-	1.17	vs JS	92
FS--Anthracene								0.87	vs ES	95.9
SS-Fluorene	18.02		0.9956	0.9951	-0.5	2.67E+07	-	1.00		97
SS-Terphenyl	24.93		1.0396	1.0399	+0.4	5.54E+07	-	0.79		118
JS-Methylnaphthalene	12.89		-	-	-	5.48E+07	-	-		-
JS-Acenaphthene	16.42		-	-	-	3.87E+07	-	-		-
JS-Pyrene	24.50		-	-	-	6.49E+07	-	-		-
JS-Benzo (a) Pyrene	32.58		-	-	-	2.92E+07	-	-		-

SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
User: DTF Datafile: 241014V14



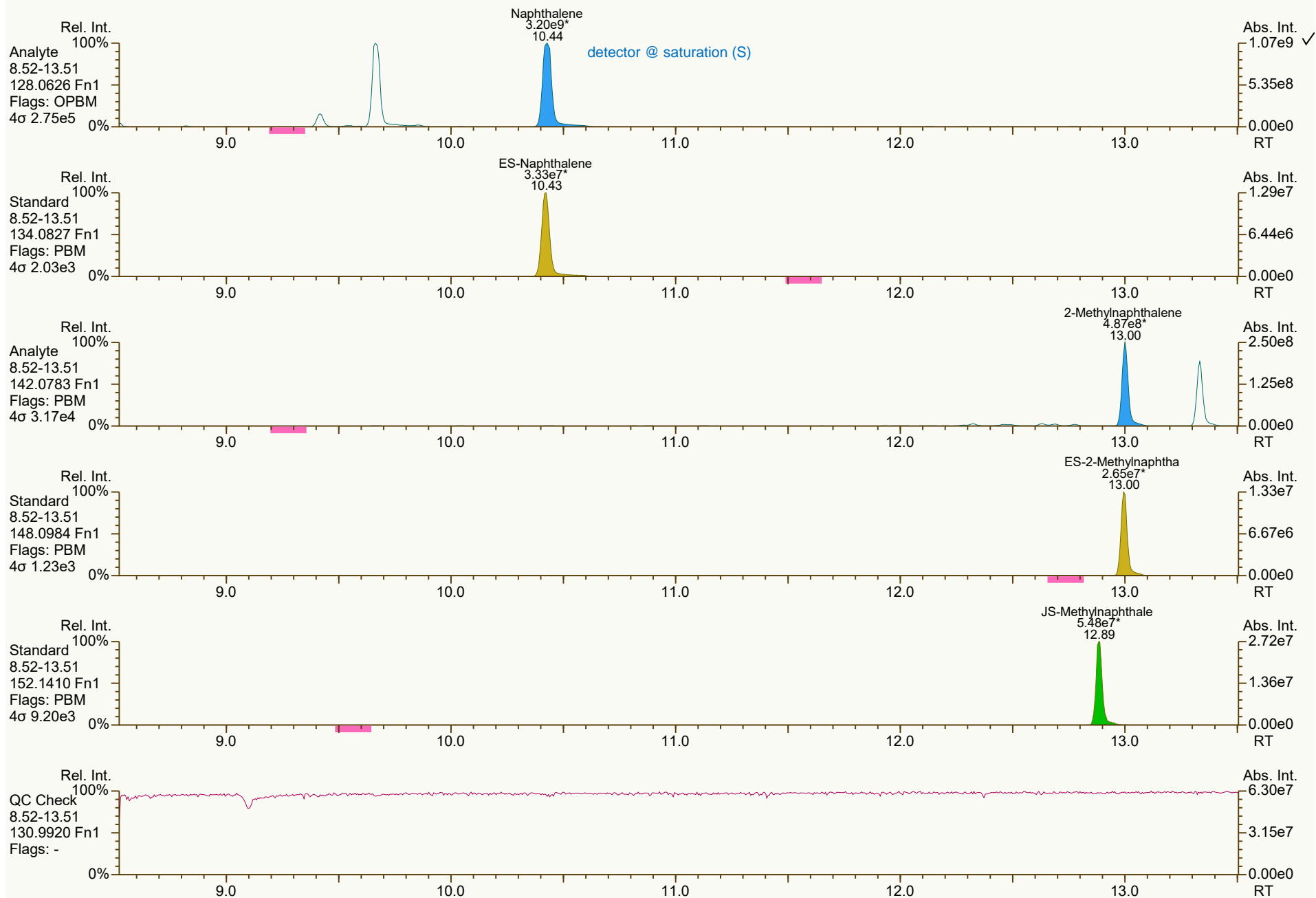
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 247-726

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:28 Page 1 of 9

SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:54 (DTF) Printed: 15-Oct-2024 11:28 Page 2 of 9

SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
User: DTF Datafile: 241014V14



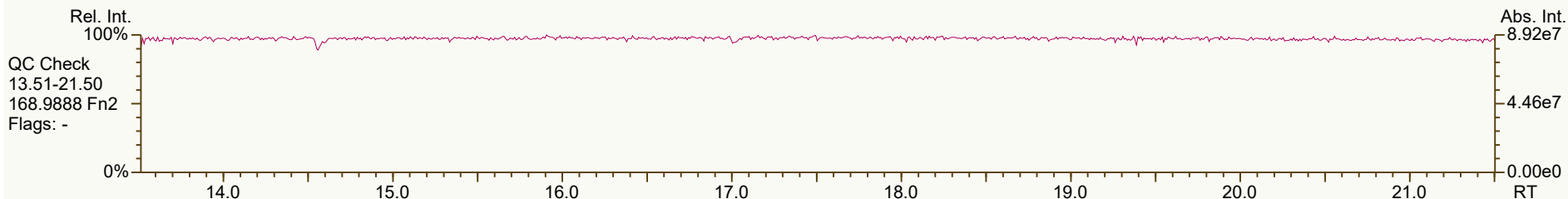
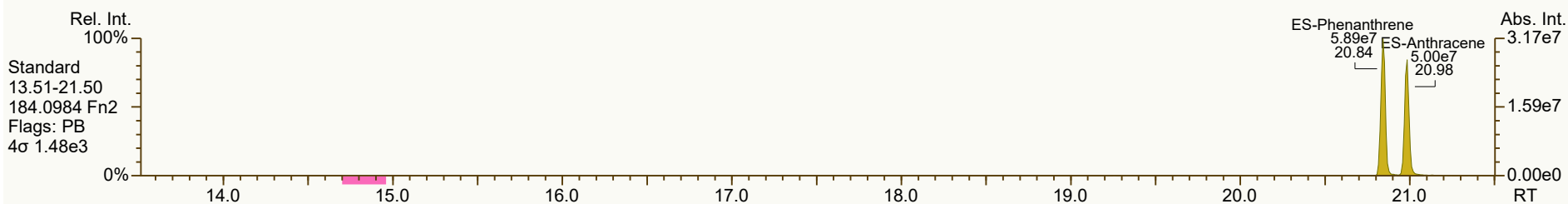
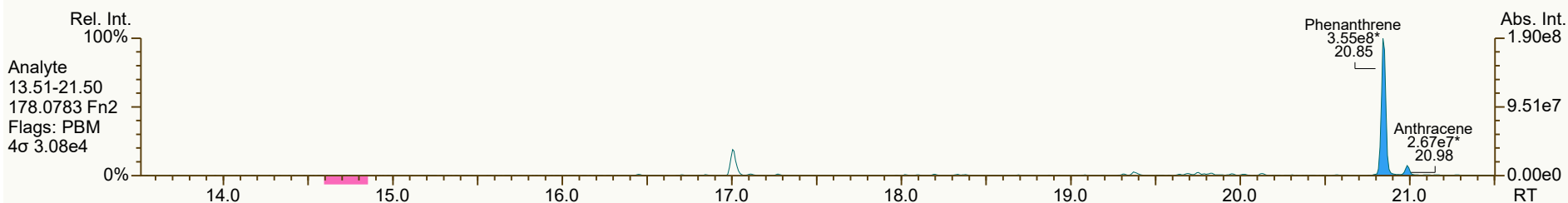
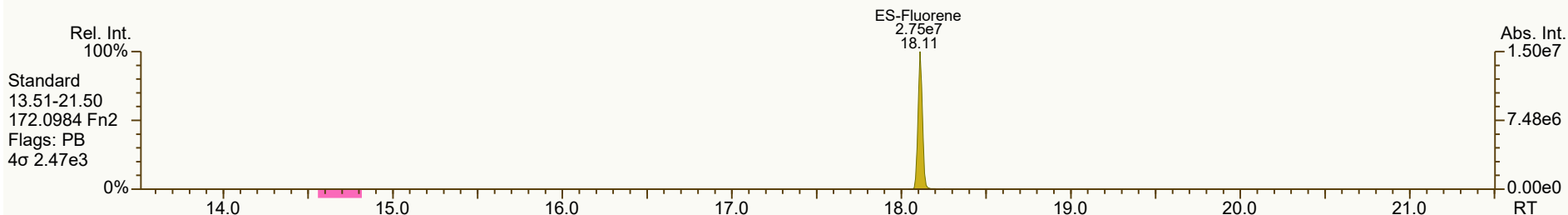
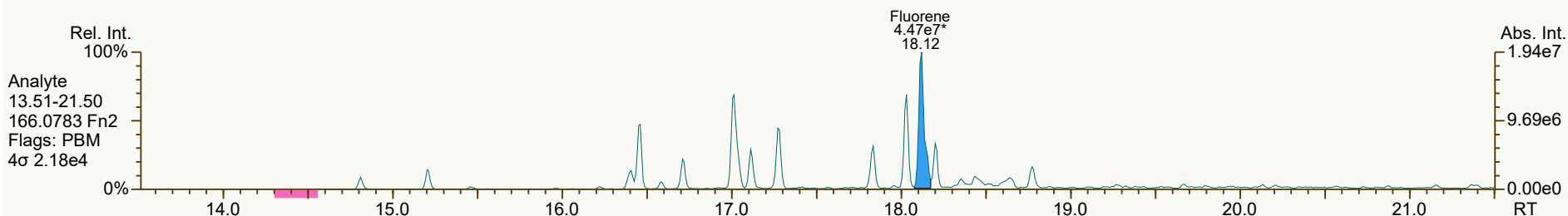
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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:52 Printed: 15-Oct-2024 11:28 Page 3 of 9

SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
User: DTF Datafile: 241014V14



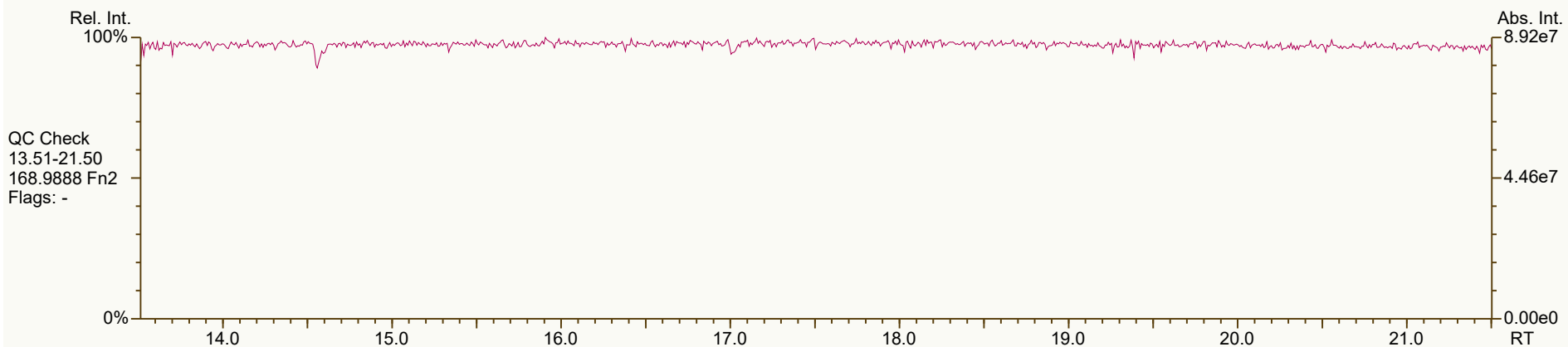
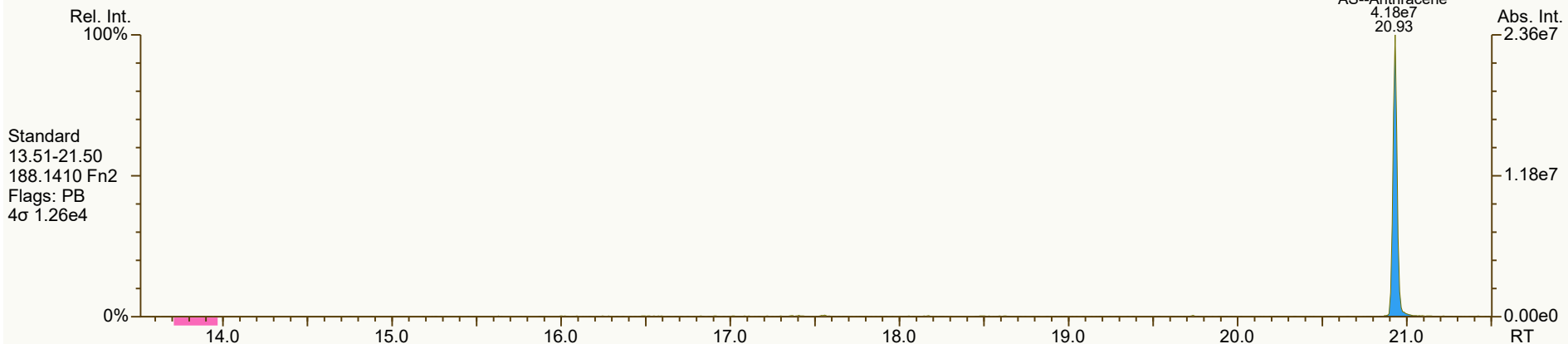
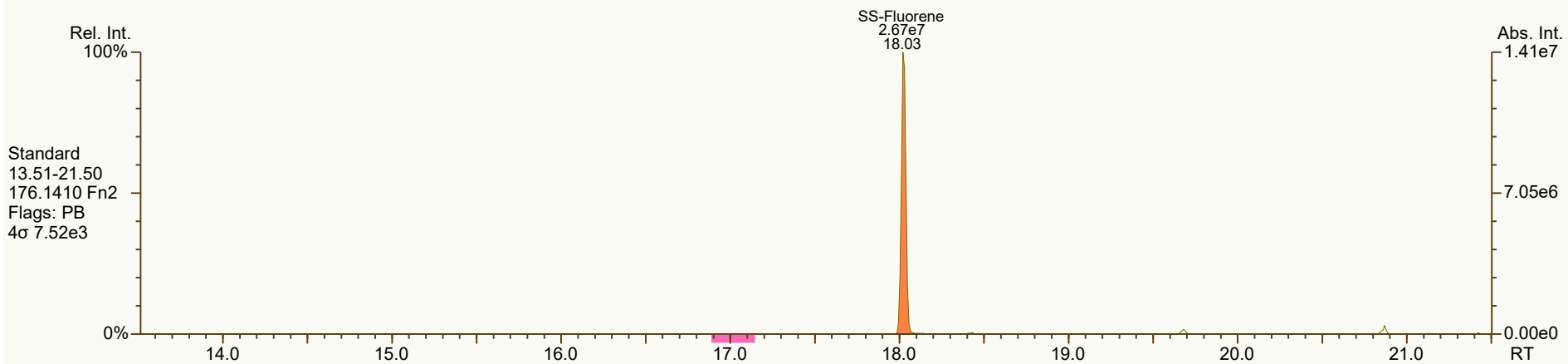
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:54 (DTF) Printed: 15-Oct-2024 11:28 Page 4 of 9

SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
User: DTF Datafile: 241014V14



SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
User: DTF Datafile: 241014V14



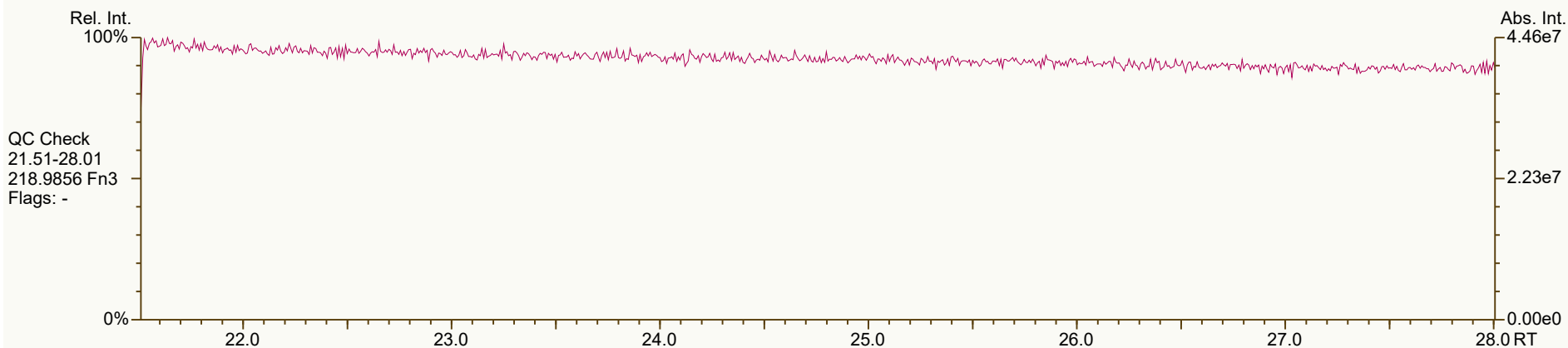
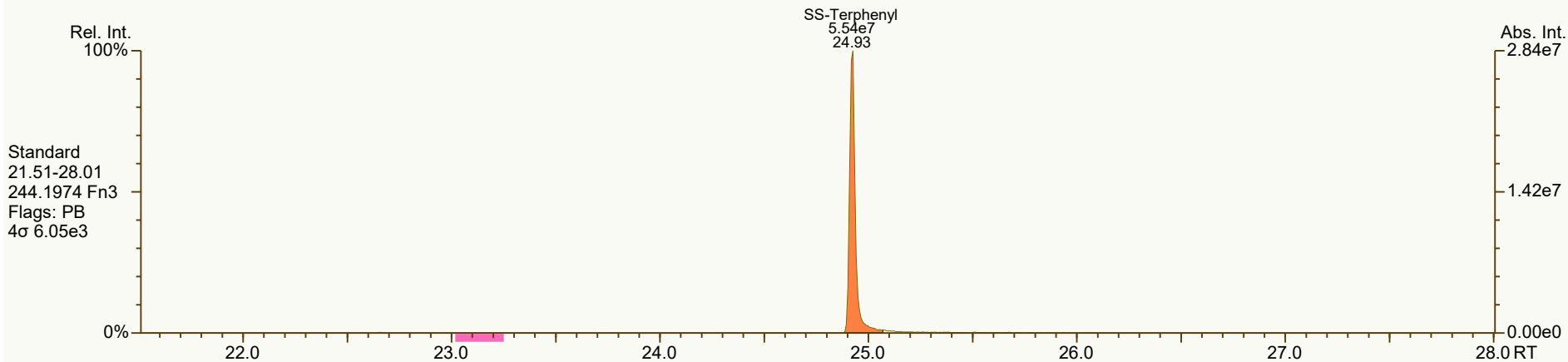
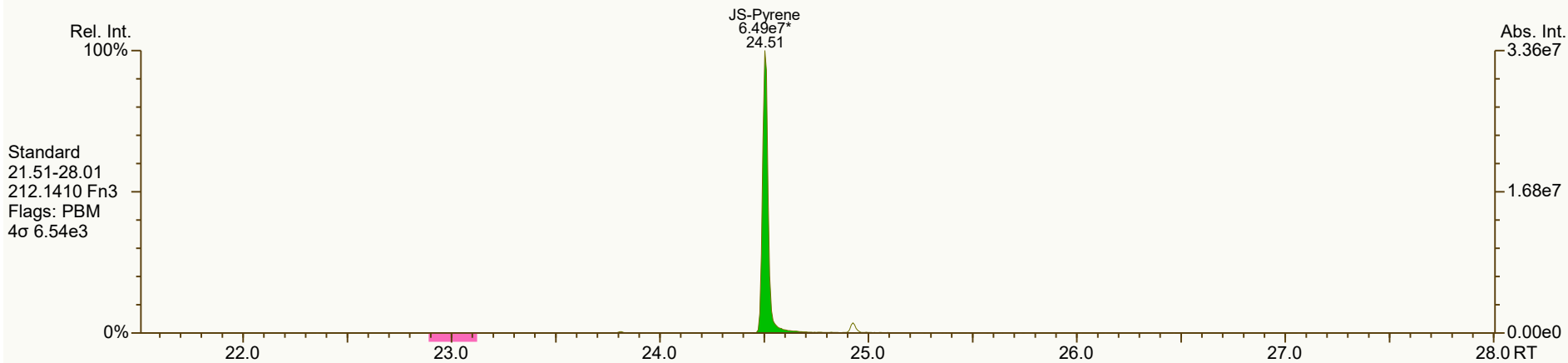
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:55 (DTF) Printed: 15-Oct-2024 11:28 Page 6 of 9

SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

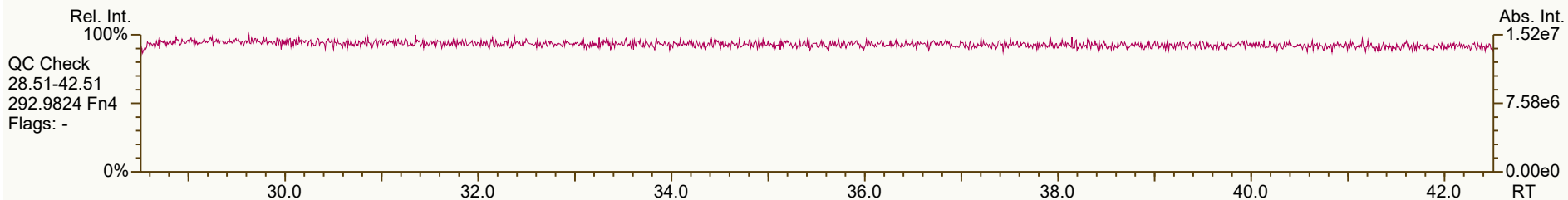
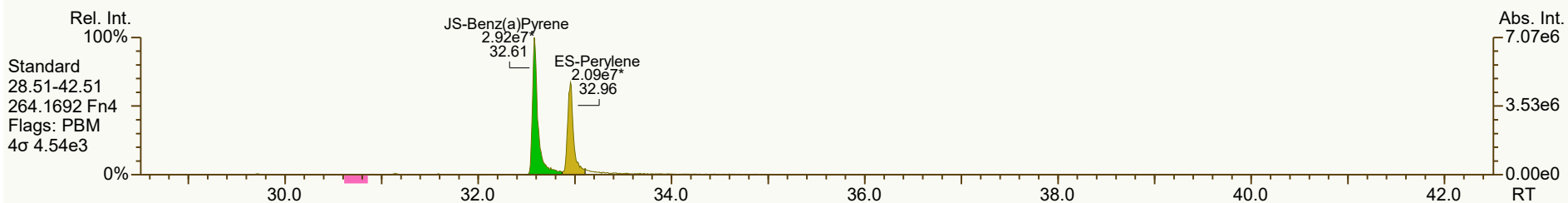
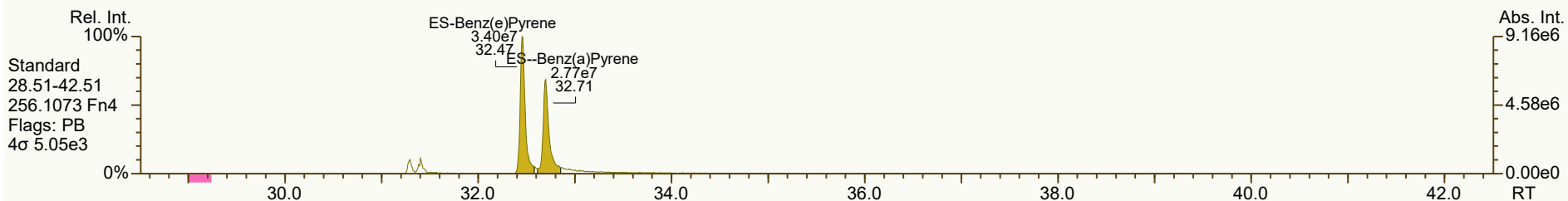
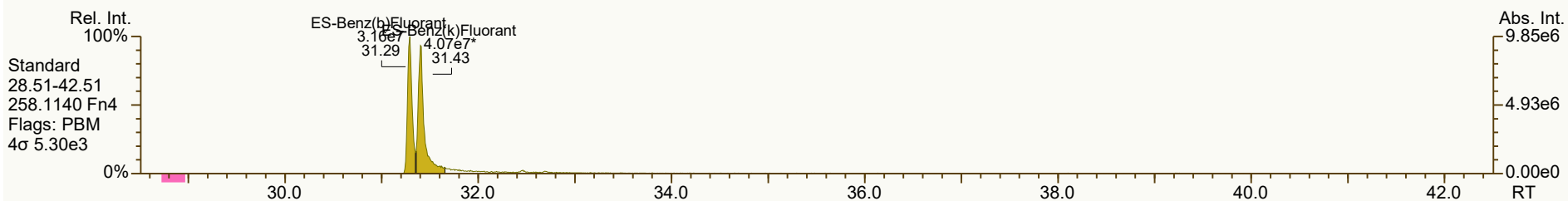
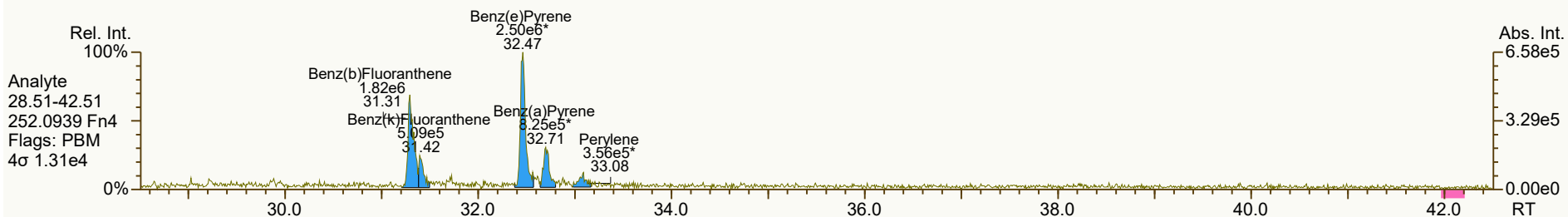
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SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
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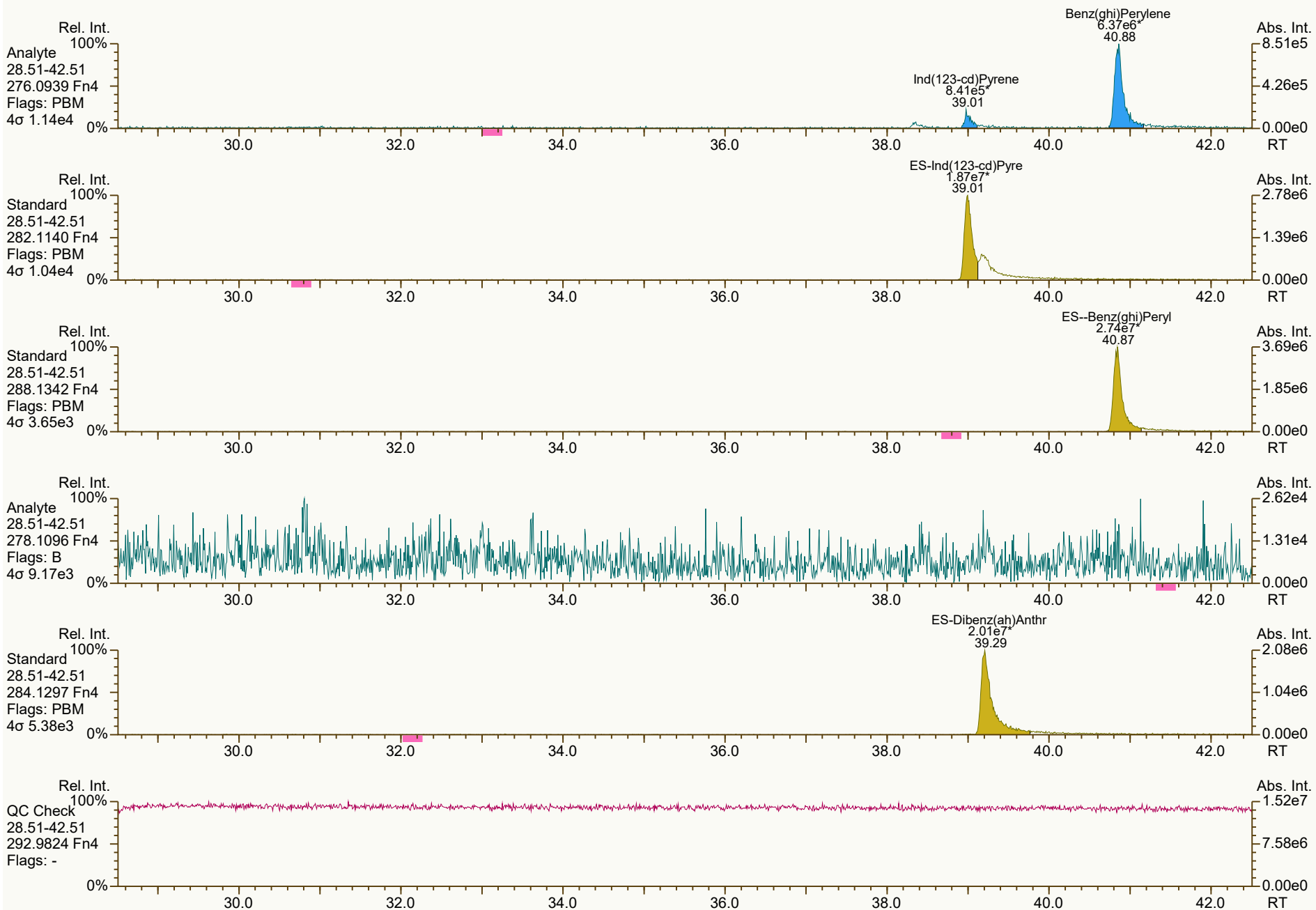
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9916, 7538, 6208, 8746 scc: 247-726

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:55 (DTF) Printed: 15-Oct-2024 11:28 Page 8 of 9

SGS ID: B9935_21527_PAH_008
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Field Blank
VSIR EI+ Expt: pah GC: pah Vial: 90

Acq: 14-Oct-2024 19:28:27
User: DTF Datafile: 241014V14



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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 5314, 6185, 5521, 2776, 3048 scc: 247-726

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 09:55 (DTF) Printed: 15-Oct-2024 11:28 Page 9 of 9

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	241016B11	1	CS3_241016_PCB_BC	1.00	ICAL SIL 27-92-1	JLJ	787-826	16-Oct-2024	22:44:43
12	241016B12	2	CS3_241016_PCB_BD	1.00	CPSM SIL 27-92-2	JLJ	796-509	16-Oct-2024	23:41:49
13	241016B13	10	MB1_21527_PCB_SDS-CU	1.00	Method Blank	JLJ	037-401	17-Oct-2024	00:40:32
14	241016B14	11	B9935_21527_PCB_001-CU	1.00	Test #1	JLJ	060-135	17-Oct-2024	01:39:13
15	241016B15	12	B9935_21527_PCB_002-CU	1.00	Test #2	JLJ	560-054	17-Oct-2024	02:37:56
16	241016B16	13	B9935_21527_PCB_003-CU	1.00	Test #3	JLJ	682-863	17-Oct-2024	03:36:37
17	241016B17	14	B9935_21527_PCB_004-CU	1.00	Test #4	JLJ	300-199	17-Oct-2024	04:35:19
18	241016B18	15	B9935_21527_PCB_005-CU	1.00	Test #5	JLJ	852-944	17-Oct-2024	05:34:01
19	241016B19	16	B9935_21527_PCB_006-CU	1.00	Test #6	JLJ	510-315	17-Oct-2024	06:32:42
20	241016B20	17	B9935_21527_PCB_007-CU	1.00	Test #7	JLJ	019-765	17-Oct-2024	07:31:24
21	241016B21	18	B9935_21527_PCB_008-CU	1.00	Field Blank	JLJ	910-748	17-Oct-2024	08:30:05

REVIEWED

Jerry Jones , 10/22/2024, 1:00:00 PM

APPROVED

Amy_Boehm , 10/23/2024, 11:46:50 AM

Lab ID: MB1_21527_PCB_SDS-CU
Client ID: Method Blank B9935_21527
Datafile: 241016B13

ACQ: 17-Oct-2024 00:40:32 JLJ
UTP: 21-Oct-2024 15:33:08 JLJ
RPT: 23-Oct-2024 11:15 JJ

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

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD
Checkcode: 037-401-WYT/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	6.10E+03	21.1
PCB-81 344'5'-TeCB	ND		1.0004					0.94	ND	6.10E+03	22.9
PCB-105 233'44'-PeCB	34.97	EMPC	1.0007	1.0005	-0.4	7.85E+04	0.96	0.97	23.8	4.74E+03	17.3
PCB-114 2344'5'-PeCB	ND		1.0007					0.96	ND	4.74E+03	14.5
PCB-118 23'44'5'-PeCB	33.95		1.0006	1.0009	+0.6	1.97E+05	0.70	0.99	54.4	4.74E+03	13.4
PCB-123 23'44'5'-PeCB	ND		1.0006					0.96	ND	4.74E+03	15
PCB-126 33'44'5'-PeCB	ND		1.0006					0.96	ND	4.85E+03	25.5
PCB-156/157 ...-HxCB	40.13	J EMPC C	1.0005	1.0003	-0.5	8.05E+04	0.96	0.96	26.7	3.93E+03	19.2
PCB-167 23'44'55'-HxCB	ND		1.0006					0.94	ND	3.93E+03	14
PCB-169 33'44'55'-HxCB	42.89	EMPC	1.0004	1.0001	-0.8	9.12E+04	1.55	0.97	39.6	3.93E+03	18.7
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	2.74E+03	17.9
PCB-209 DeCB	ND		1.0005					0.95	ND	2.06E+03	23.8
ES PCB-1	11.32		0.7218	0.7217	-0.1	1.28E+07	3.08	1.19	45.1 %	5%	145%
ES PCB-3	13.55		0.8630	0.8639	+0.7	1.30E+07	3.16	1.13	48 %	5%	145%
ES PCB-4	13.76		0.8776	0.8773	-0.2	7.44E+06	1.58	0.72	43 %	5%	145%
ES PCB-15	19.40		1.2360	1.2374	+1.6	1.48E+07	1.48	1.07	57.7 %	5%	145%
ES PCB-19	16.75		1.0690	1.0683	-0.7	8.82E+06	1.08	0.65	56.9 %	5%	145%
ES PCB-37	25.70		1.0835	1.0853	+2.8	1.37E+07	0.97	1.40	59.8 %	5%	145%
ES PCB-54	19.61		0.8281	0.8281	0	6.94E+06	0.80	1.23	34.3 %	5%	145%
ES PCB-77	32.02		1.3507	1.3521	+2.7	1.38E+07	0.82	1.28	65.8 %	10%	145%
ES PCB-81	31.52		1.3299	1.3310	+2.1	1.47E+07	0.77	1.33	67.8 %	10%	145%
ES PCB-104	24.51		0.8269	0.8269	0	7.24E+06	1.65	1.32	35.6 %	10%	145%
ES PCB-105	34.96		1.1790	1.1793	+0.6	1.36E+07	1.57	1.26	69.9 %	10%	145%
ES PCB-114	34.39		1.1600	1.1600	0	1.38E+07	1.60	1.34	66.3 %	10%	145%
ES PCB-118	33.93		1.1443	1.1444	+0.2	1.46E+07	1.63	1.31	72.2 %	10%	145%
ES PCB-123	33.64		1.1347	1.1349	+0.4	1.44E+07	1.60	1.27	73.5 %	10%	145%
ES PCB-126	37.61		1.2681	1.2686	+1.1	9.15E+06	1.42	1.19	49.9 %	10%	145%
ES PCB-153	35.48		0.9704	0.9703	-0.2	9.32E+06	1.20	1.11	81.8 %	10%	145%
ES PCB-155	29.43		0.8048	0.8047	-0.2	1.07E+07	1.31	1.45	71.7 %	10%	145%
ES PCB-156/157	40.12	C	1.0972	1.0973	+0.2	2.51E+07	1.21	1.24	98.9 %	10%	145%
ES PCB-167	39.12		1.0697	1.0698	+0.2	1.27E+07	1.25	1.29	96.6 %	10%	145%
ES PCB-169	42.88		1.1725	1.1727	+0.5	9.50E+06	1.20	1.18	78.5 %	10%	145%
ES PCB-170	42.34		0.9057	0.9057	0	6.80E+06	1.09	1.06	98.6 %	10%	145%
ES PCB-180	41.25		0.8824	0.8824	0	7.89E+06	1.23	1.25	96.7 %	10%	145%
ES PCB-188	34.32		0.9388	0.9387	-0.2	5.76E+06	1.23	1.36	41.3 %	10%	145%
ES PCB-189	44.98		0.9620	0.9620	0	7.31E+06	1.03	1.37	81.8 %	10%	145%
ES PCB-202	38.88		1.0636	1.0633	-0.7	7.42E+06	0.93	1.19	60.7 %	10%	145%
ES PCB-205	47.18		1.0092	1.0091	-0.3	6.79E+06	0.93	1.23	84.7 %	10%	145%
ES PCB-206	48.86		1.0452	1.0452	0	4.73E+06	0.74	0.89	81.7 %	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	44.53		0.9526	0.9525	-0.3	7.98E+06	0.78	1.26	97.5 %	10%	145%
ES PCB-209	50.62		1.0828	1.0827	-0.3	5.21E+06	1.14	0.98	81.4 %	10%	145%
SS PCB-28	22.09		0.9322	0.9329	+0.9	1.21E+07	1.00	1.04	85.2 %	5%	145%
SS PCB-111	31.94		1.0775	1.0775	0	1.24E+07	1.59	0.98	87.8 %	10%	145%
SS PCB-178	36.92		1.0098	1.0096	-0.4	3.50E+06	1.11	0.71	85.8 %	10%	145%
CS PCB-28	22.09		0.9322	0.9329	+0.9	1.21E+07	1.00	1.44	51.3 %	5%	145%
CS PCB-111	31.94		1.0775	1.0775	0	1.24E+07	1.59	1.24	64.8 %	10%	145%
CS PCB-178	36.92		1.0098	1.0096	-0.4	3.50E+06	1.11	0.96	35.5 %	10%	145%
JS PCB-9	15.68					2.39E+07	1.52				
JS PCB-52	23.68					1.64E+07	0.78				
JS PCB-101	29.64					1.55E+07	1.66				
JS PCB-138	36.57					1.03E+07	1.24				
JS PCB-194	46.75					6.52E+06	0.90				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	198	241	11		
						Di-CB	778	778	21.2		
						Tri-CB	74.8	244	32.1		
						Tetra-CB	198	394	19.8		
						Penta-CB	242	447	18		
						Hexa-CB	155	290	15.9		
						Hepta-CB	18.8	93.6	17.1		
						Octa-CB	0	0	14.1		
						Nona-CB	0	0	37.7		

Lab ID: MB1_21527_PCB_SDS-CU
Client ID: Method Blank B9935_21527
Datafile: 241016B13

ACQ: 17-Oct-2024 00:40:32 JLJ
UTP: 21-Oct-2024 15:33:08 JLJ
RPT: 23-Oct-2024 11:15 JJ

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

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD
Checkcode: 037-401-WYT/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	11.33	EMPC	1.0012	1.0012	0	1.38E+05	2.54	1.01	42.8	4.19E+03	10
PCB-2 3-MoCB	13.38		0.9879	0.9875	-0.3	2.45E+05	2.73	0.87	86.5	4.19E+03	14
PCB-3 4-MoCB	13.55		1.0009	1.0006	-0.2	3.68E+05	2.86	1.01	112	4.19E+03	12.1
PCB-4 22'-DiCB	13.77		1.0010	1.0010	0	1.85E+05	SI	0.98	101	7.11E+03	28
PCB-10 26-DiCB	ND		1.0134					1.62	ND	7.11E+03	17
PCB-9 25-DiCB	ND		1.0011					0.78	ND	4.70E+03	17.8
PCB-7 24-DiCB	15.86	J	1.0114	1.0113	-0.1	5.01E+04	SI	0.72	18.8	4.70E+03	19.3
PCB-6 23'-DiCB	16.08	J	1.0263	1.0256	-0.7	4.69E+04	SI	0.84	15.1	4.70E+03	16.5
PCB-5 23-DiCB	ND		1.0448					0.68	ND	4.70E+03	20.3
PCB-8 24'-DiCB	16.51		1.0524	1.0527	+0.3	1.73E+05	SI	0.89	52.8	4.70E+03	15.6
PCB-14 35-DiCB	ND		0.9303					0.72	ND	4.70E+03	19.3
PCB-11 33'-DiCB	18.83		0.9710	0.9706	-0.5	1.67E+06	1.61	0.78	574	4.70E+03	17.7
PCB-13/12 34'/34-DiCB	ND	C	0.9857					0.71	ND	4.70E+03	19.4
PCB-15 44'-DiCB	19.41	J	1.0006	1.0005	-0.1	5.62E+04	SI	0.97	15.7	4.70E+03	14.3
PCB-19 22'6-TrCB	ND		1.0011					1.03	ND	7.94E+03	30.7
PCB-30/18 246/22'5-TrCB	18.51	C	1.1033	1.1048	+1.7	1.65E+05	1.12	1.62	46.2	7.94E+03	19.6
PCB-17 22'4-TrCB	18.90	EMPC	1.1274	1.1280	+0.7	8.75E+04	0.77	1.11	35.8	7.94E+03	28.7
PCB-27 23'6-TrCB	ND		1.1392					1.52	ND	7.94E+03	20.8
PCB-24 236-TrCB	ND		1.1465					1.55	ND	7.94E+03	20.4
PCB-16 22'3-TrCB	ND		1.1530					1.16	ND	7.94E+03	27.5
PCB-32 24'6-TrCB	19.78		1.1809	1.1808	-0.1	1.09E+05	1.06	1.73	28.6	7.94E+03	18.4
PCB-34 23'5'-TrCB	ND		0.8151					0.91	ND	8.30E+03	38
PCB-23 235-TrCB	ND		0.8205					0.98	ND	8.30E+03	35.2
PCB-26/29 23'5/245-TrCB	ND	C	0.8319					0.96	ND	8.30E+03	36
PCB-25 23'4-TrCB	ND		0.8398					1.18	ND	8.30E+03	29.3
PCB-31 24'5-TrCB	21.84	EMPC	0.8507	0.8497	-1.3	1.41E+05	1.41	1.15	35.8	8.30E+03	30.2
PCB-28/20 244'/233'-TrCB	22.11	EMPC C	0.8616	0.8603	-1.7	1.66E+05	1.32	1.04	46.4	8.30E+03	33.2
PCB-21/33 234/23'4'-TrCB	22.32	J EMPC C	0.8685	0.8685	0	1.12E+05	0.85	1.03	31.5	8.30E+03	33.5
PCB-22 234'-TrCB	22.68	J EMPC	0.8838	0.8827	-1.5	7.37E+04	1.21	1.11	19.3	8.30E+03	31.1
PCB-36 33'5-TrCB	ND		0.9373					1.11	ND	8.30E+03	31
PCB-39 34'5-TrCB	ND		0.9499					1.00	ND	8.30E+03	34.7
PCB-38 345-TrCB	ND		0.9699					1.02	ND	8.30E+03	34
PCB-35 33'4-TrCB	ND		0.9865					0.97	ND	8.30E+03	35.7
PCB-37 344'-TrCB	ND		1.0008					1.03	ND	8.30E+03	33.5
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	4.11E+03	19.3
PCB-50/53 22'46/22'56'-TeCB	ND	C	0.9114					0.91	ND	4.74E+03	18.4
PCB-45 22'36-TeCB	22.17	J EMPC	0.9363	0.9363	0	1.61E+04	0.44	0.63	6.87	4.74E+03	26.6
PCB-51 22'46'-TeCB	22.23	J	0.9389	0.9388	-0.1	5.75E+04	0.82	1.06	14.8	4.74E+03	15.9
PCB-46 22'36'-TeCB	ND		0.9486					0.73	ND	4.74E+03	23.1
PCB-52 22'55'-TeCB	23.71		1.0009	1.0011	+0.3	3.35E+05	0.74	0.97	93.3	4.74E+03	17.3
PCB-73 23'5'6-TeCB	ND		1.0059					1.21	ND	4.74E+03	13.9

Lab ID: MB1_21527_PCB_SDS-CU
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Wt/Vol: 1
J-level: 20 pg Split: 2
StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD
Checkcode: 037-401-WYT/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	ND		1.0098					0.91	ND	4.74E+03	18.5
PCB-69/49 23'46/22'45'-TeCB	24.14	J C	1.0180	1.0193	+1.9	1.38E+05	0.80	1.03	36.4	4.74E+03	16.3
PCB-48 22'45'-TeCB	24.36	J EMPC	1.0298	1.0288	-1.5	2.81E+04	1.30	0.86	8.86	4.74E+03	19.5
PCB-44/47/65 ...-TeCB	24.61	EMPC C	1.0391	1.0394	+0.4	2.74E+05	0.66	0.99	75.2	4.74E+03	17
PCB-59/62/75 ...-TeCB	ND	C	1.0505					1.12	ND	4.74E+03	15.1
PCB-42 22'34'-TeCB	ND		1.0582					0.79	ND	4.74E+03	21.3
PCB-41 22'34'-TeCB	ND		1.0722					0.65	ND	4.74E+03	25.8
PCB-71/40 23'4'6/22'33'-TeCB	25.49	J EMPC C	1.0764	1.0766	+0.3	7.68E+04	0.65	0.96	21.7	4.74E+03	17.5
PCB-64 234'6'-TeCB	25.68		1.0848	1.0846	-0.3	1.01E+05	0.82	1.15	23.9	4.74E+03	14.6
PCB-72 23'55'-TeCB	ND		0.8381					0.91	ND	6.10E+03	23.7
PCB-68 23'45'-TeCB	ND		0.8462					0.88	ND	6.10E+03	24.7
PCB-57 233'5'-TeCB	ND		0.8580					0.93	ND	6.10E+03	23.2
PCB-58 233'5'-TeCB	ND		0.8647					1.04	ND	6.10E+03	20.8
PCB-67 23'45'-TeCB	ND		0.8694					1.08	ND	6.10E+03	20
PCB-63 234'5'-TeCB	ND		0.8767					0.85	ND	6.10E+03	25.4
PCB-61/70/74/76 ...-TeCB	27.92	EMPC C	0.8859	0.8860	+0.2	2.99E+05	0.98	0.97	83.7	6.10E+03	22.3
PCB-66 23'44'-TeCB	28.20		0.8952	0.8947	-0.8	1.07E+05	0.86	0.98	29.6	6.10E+03	22
PCB-55 233'4'-TeCB	ND		0.9000					1.01	ND	6.10E+03	21.5
PCB-56 233'4'-TeCB	ND		0.9140					0.96	ND	6.10E+03	22.6
PCB-60 2344'-TeCB	ND		0.9200					0.83	ND	6.10E+03	26.2
PCB-80 33'55'-TeCB	ND		0.9301					0.95	ND	6.10E+03	22.7
PCB-79 33'45'-TeCB	ND		0.9729					1.03	ND	6.10E+03	21
PCB-78 33'45'-TeCB	ND		0.9882					0.85	ND	6.10E+03	25.4
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	4.65E+03	22.2
PCB-96 22'366'-PeCB	ND		1.0150					1.11	ND	4.65E+03	20
PCB-103 22'45'6'-PeCB	ND		0.8954					0.84	ND	4.74E+03	17.1
PCB-94 22'356'-PeCB	ND		0.9023					0.71	ND	4.74E+03	20.3
PCB-95 22'35'6'-PeCB	27.14	EMPC	0.9156	0.9155	-0.2	1.75E+05	0.81	0.80	60.8	4.74E+03	18
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9218					0.79	ND	4.74E+03	18.2
PCB-102 22'456'-PeCB	ND		0.9258					0.92	ND	4.74E+03	15.7
PCB-98 22'34'6'-PeCB	ND		0.9280					0.92	ND	4.74E+03	15.7
PCB-88 22'346'-PeCB	ND		0.9382					0.76	ND	4.74E+03	18.9
PCB-91 22'34'6'-PeCB	ND		0.9409					0.80	ND	4.74E+03	18.1
PCB-84 22'33'6'-PeCB	28.09	EMPC	0.9478	0.9477	-0.2	6.39E+04	0.49	0.67	26.3	4.74E+03	21.4
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	4.74E+03	17.9
PCB-121 23'45'6'-PeCB	ND		0.9723					1.20	ND	4.74E+03	12
PCB-92 22'355'-PeCB	29.16	J	0.9838	0.9836	-0.3	3.55E+04	0.65	0.76	13.1	4.74E+03	19.1
PCB-113/90/101 ...-PeCB	29.66	C	1.0000	1.0005	+0.9	2.78E+05	0.63	0.88	87.4	4.74E+03	16.3
PCB-83 22'33'5'-PeCB	ND		1.0150					0.63	ND	4.74E+03	22.9
PCB-99 22'44'5'-PeCB	30.17	EMPC	1.0176	1.0178	+0.4	7.81E+04	0.49	1.01	21.4	4.74E+03	14.2
PCB-112 233'56'-PeCB	ND		1.0214					1.30	ND	4.74E+03	11.1

Lab ID: MB1_21527_PCB_SDS-CU
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Datafile: 241016B13

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RPT: 23-Oct-2024 11:15 JJ

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

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD
Checkcode: 037-401-WYT/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	30.64	J EMPC C	1.0331	1.0337	+1.1	2.06E+05	0.75	0.95	60.3	4.74E+03	15.2
PCB-117 234'56-PeCB	ND		1.0511					1.01	ND	4.74E+03	14.2
PCB-116/85 23456/22'344'-PeCB	31.25	J EMPC C	1.0540	1.0541	+0.2	3.81E+04	0.40	0.87	12.2	4.74E+03	16.6
PCB-110 233'4'6-PeCB	31.39		1.0586	1.0589	+0.6	3.28E+05	0.69	1.05	87	4.74E+03	13.8
PCB-115 2344'6-PeCB	ND		1.0608					1.30	ND	4.74E+03	11.1
PCB-82 22'33'4-PeCB	ND		1.0684					0.76	ND	4.74E+03	19
PCB-111 233'55'-PeCB	ND		1.0783					1.03	ND	4.74E+03	14
PCB-120 23'455'-PeCB	ND		1.0918					1.23	ND	4.74E+03	11.7
PCB-108/124 ...-PeCB	ND	C	0.9915					0.98	ND	4.74E+03	14.8
PCB-107 233'4'5-PeCB	ND		0.9977					1.10	ND	4.74E+03	13.2
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	4.74E+03	13.7
PCB-122 233'4'5'-PeCB	ND		1.0096					0.83	ND	4.74E+03	16.7
PCB-127 33'455'-PeCB	ND		1.0360					1.02	ND	4.74E+03	16.5
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.11E+03	11.9
PCB-152 22'3566'-HxCB	ND		1.0075					1.15	ND	3.11E+03	9.89
PCB-150 22'34'66'-HxCB	ND		1.0120					1.01	ND	3.11E+03	11.2
PCB-136 22'33'66'-HxCB	ND		1.0233					0.91	ND	3.11E+03	12.4
PCB-145 22'3466'-HxCB	ND		1.0317					1.05	ND	3.11E+03	10.8
PCB-148 22'34'56'-HxCB	ND		1.0747					1.11	ND	3.11E+03	12.3
PCB-151/135 ...-HxCB	32.17	J C	1.0933	1.0932	-0.2	7.64E+04	1.13	1.08	30.3	3.11E+03	12.6
PCB-154 22'44'56'-HxCB	ND		1.0994					1.16	ND	3.11E+03	11.8
PCB-144 22'345'6-HxCB	ND		1.1091					1.05	ND	3.11E+03	13.1
PCB-147/149 ...-HxCB	32.95	J EMPC C	1.1195	1.1196	+0.2	7.82E+04	2.05	1.13	29.6	3.11E+03	12.1
PCB-134 22'33'56-HxCB	ND		1.1256					0.75	ND	3.11E+03	18.3
PCB-143 22'3456'-HxCB	ND		1.1281					1.07	ND	3.11E+03	12.8
PCB-139/140 ...-HxCB	ND	C	1.1368					1.09	ND	3.11E+03	12.6
PCB-131 22'33'46-HxCB	ND		1.1432					0.95	ND	3.11E+03	14.4
PCB-142 22'3456-HxCB	ND		1.1478					0.93	ND	3.11E+03	14.7
PCB-132 22'33'46'-HxCB	34.04	EMPC	1.1567	1.1568	+0.2	4.92E+04	1.76	0.95	22.2	3.11E+03	14.4
PCB-133 22'33'55'-HxCB	ND		1.1698					1.07	ND	3.11E+03	12.9
PCB-165 233'55'6-HxCB	ND		0.9508					1.17	ND	3.11E+03	11.7
PCB-146 22'34'55'-HxCB	ND		0.9566					1.18	ND	3.11E+03	11.6
PCB-161 233'45'6-HxCB	ND		0.9598					1.38	ND	3.11E+03	9.9
PCB-153/168 ...-HxCB	35.51	C	0.9714	0.9710	-0.9	1.39E+05	1.19	1.26	47.4	3.11E+03	10.9
PCB-141 22'3455'-HxCB	ND		0.9760					0.94	ND	3.11E+03	14.5
PCB-130 22'33'45'-HxCB	ND		0.9856					0.78	ND	3.11E+03	17.6
PCB-137 22'344'5-HxCB	ND		0.9907					0.93	ND	3.11E+03	14.8
PCB-164 233'4'5'6-HxCB	ND		0.9933					1.27	ND	3.11E+03	10.8
PCB-163/138/129 ...-HxCB	36.59	C	1.0010	1.0006	-0.9	1.53E+05	1.43	0.96	68.2	3.11E+03	14.2
PCB-160 233'456-HxCB	ND		1.0046					1.21	ND	3.11E+03	11.3
PCB-158 233'44'6-HxCB	ND		1.0097					1.29	ND	3.11E+03	10.6

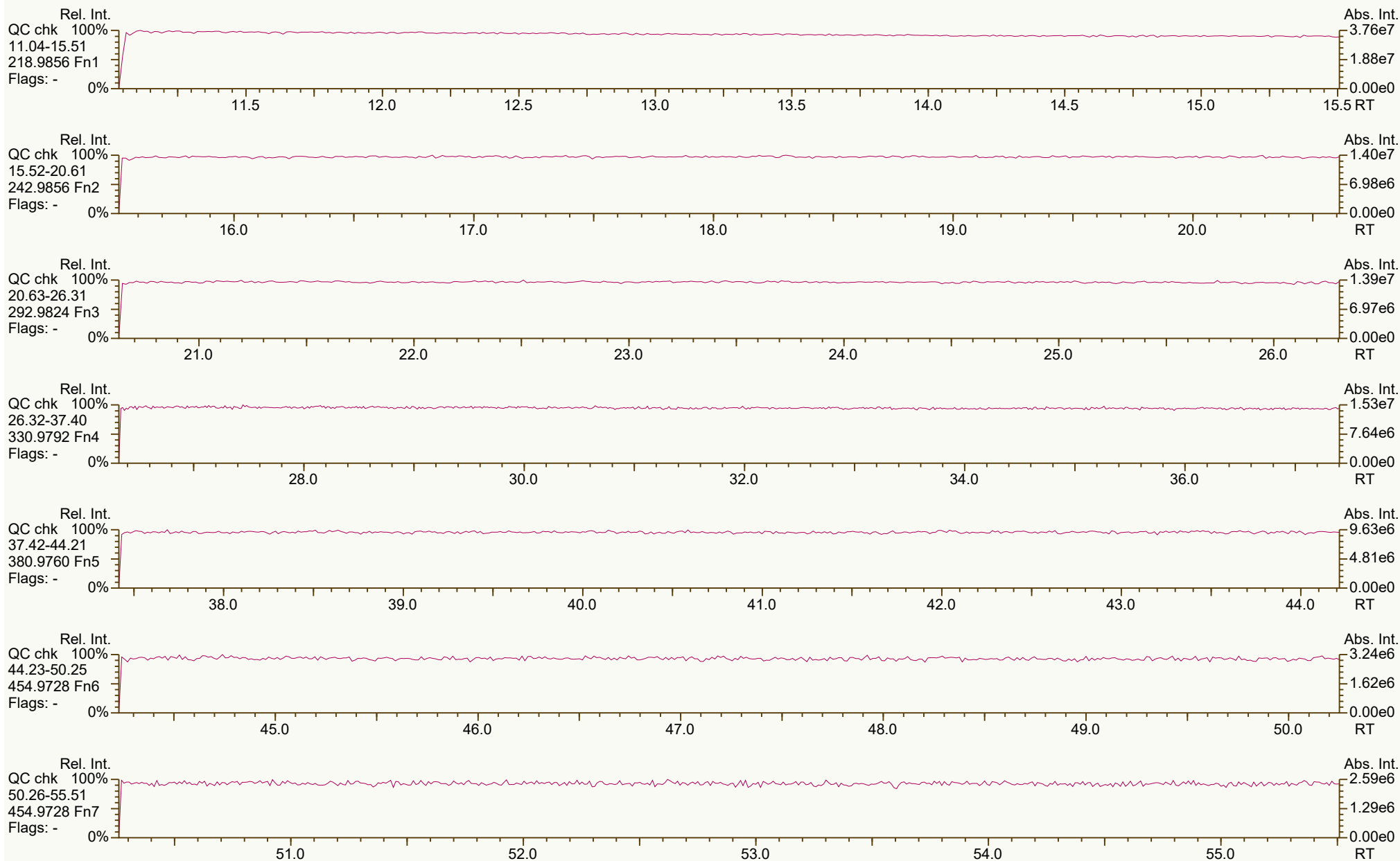
Lab ID: MB1_21527_PCB_SDS-CU
Client ID: Method Blank B9935_21527
Datafile: 241016B13

ACQ: 17-Oct-2024 00:40:32 JLJ
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Wt/Vol: 1
J-level: 20 pg Split: 2
StdS (pg): JS: 2000 ES: 4000 CS/SS: 4000

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD
Checkcode: 037-401-WYT/C
Method 1668C

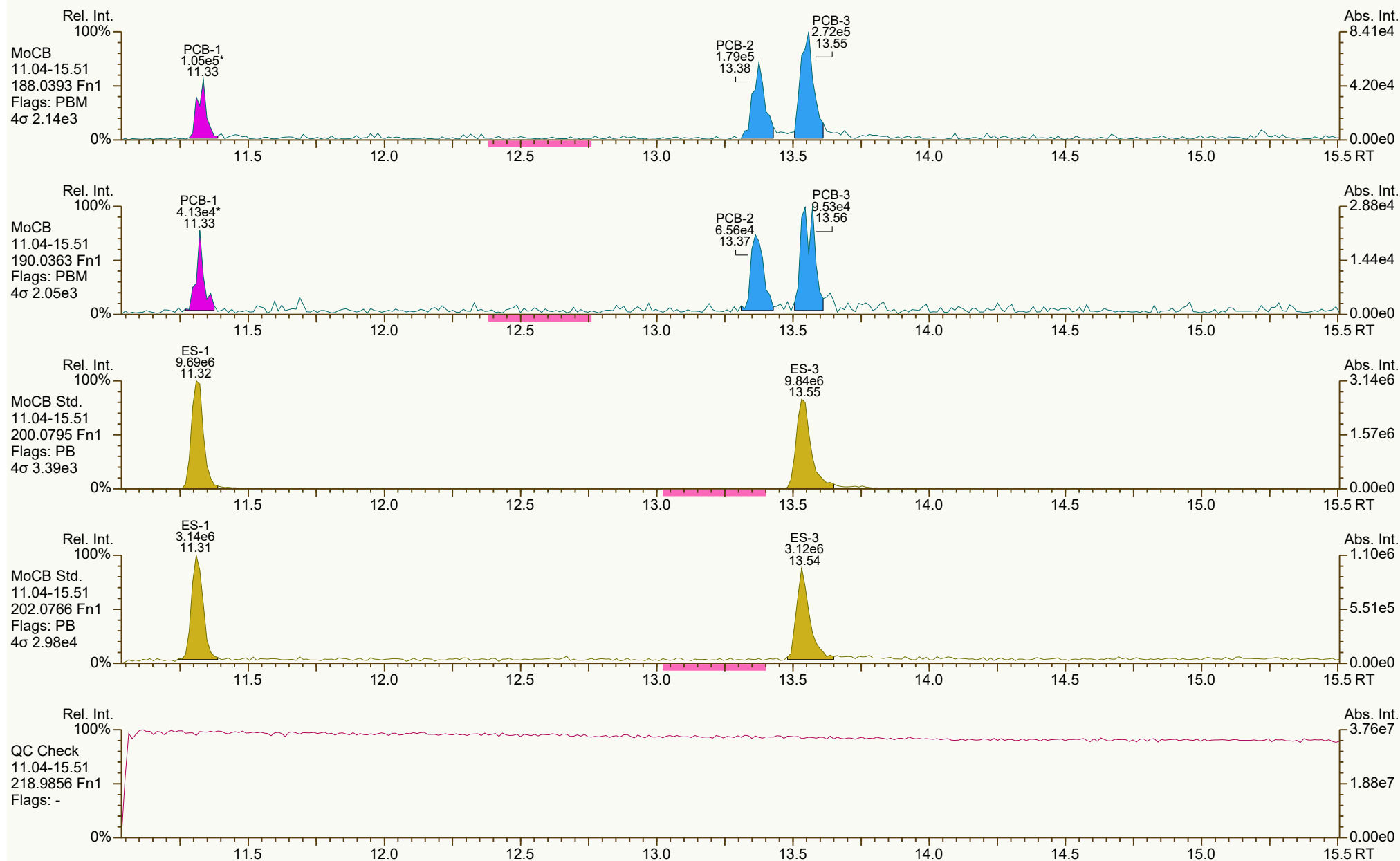
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.69	J EMPC C	0.9630	0.9634	+0.9	4.74E+04	2.03	0.92	16.1	3.93E+03	14.2
PCB-159 233'455'-HxCB	ND		0.9839					1.16	ND	3.93E+03	11.2
PCB-162 233'4'55'-HxCB	38.73	J	0.9901	0.9901	0	2.94E+04	1.35	0.97	9.53	3.93E+03	13.5
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.09E+03	14.4
PCB-179 22'33'566'-HpCB	ND		1.0097					1.24	ND	2.09E+03	11.3
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	2.09E+03	12.3
PCB-176 22'33'466'-HpCB	ND		1.0316					1.05	ND	2.09E+03	13.2
PCB-186 22'34566'-HpCB	ND		1.0431					1.22	ND	2.09E+03	11.4
PCB-178 22'33'55'6'-HpCB	ND		1.0762					0.79	ND	2.09E+03	17.7
PCB-175 22'33'45'6'-HpCB	ND		1.0921					1.00	ND	3.60E+03	17.6
PCB-187 22'34'55'6'-HpCB	37.72	J	1.0988	1.0989	+0.2	4.94E+04	1.19	1.33	18.8	3.60E+03	13.3
PCB-182 22'344'56'-HpCB	ND		1.1037					1.32	ND	3.60E+03	13.4
PCB-183 22'344'5'6'-HpCB	ND		1.1139					1.15	ND	3.60E+03	15.4
PCB-185 22'3455'6'-HpCB	ND		1.1168					1.03	ND	3.60E+03	17.1
PCB-174 22'33'456'-HpCB	38.44	EMPC	1.1203	1.1201	-0.5	5.03E+04	1.22	1.11	23	3.60E+03	15.9
PCB-177 22'33'45'6'-HpCB	ND		1.1313					1.09	ND	3.60E+03	16.2
PCB-181 22'344'56-HpCB	ND		1.1410					1.15	ND	3.60E+03	15.4
PCB-171/173 ...-HpCB	ND	C	1.1467					0.99	ND	3.60E+03	18
PCB-172 22'33'455'-HpCB	ND		0.9053					0.95	ND	3.60E+03	18.6
PCB-192 233'455'6'-HpCB	ND		0.9108					1.34	ND	3.60E+03	13.2
PCB-180/193 ...-HpCB	41.27	EMPC C	0.9170	0.9174	+1.0	1.16E+05	1.22	1.13	51.9	3.60E+03	15.7
PCB-191 233'44'5'6'-HpCB	ND		0.9243					1.16	ND	3.60E+03	15.3
PCB-170 22'33'44'5'-HpCB	ND		0.9419					1.03	ND	3.60E+03	21.3
PCB-190 233'44'56-HpCB	ND		0.9518					1.41	ND	3.60E+03	15.5
PCB-202 22'33'55'66'-OcCB	ND		1.0005					0.96	ND	2.03E+03	12.6
PCB-201 22'33'45'66'-OcCB	ND		1.0207					0.90	ND	2.03E+03	13.4
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	2.03E+03	11.6
PCB-197 22'33'44'66'-OcCB	ND		1.0404					0.97	ND	2.03E+03	12.5
PCB-200 22'33'4566'-OcCB	ND		1.0433					0.88	ND	2.03E+03	13.7
PCB-198/199 ...-OcCB	ND	C	1.1034					0.74	ND	2.03E+03	16.3
PCB-196 22'33'44'56'-OcCB	ND		1.1182					0.63	ND	2.03E+03	19
PCB-203 22'344'55'6'-OcCB	ND		1.1225					0.77	ND	2.03E+03	15.6
PCB-195 22'33'44'56-OcCB	ND		0.9494					0.89	ND	1.95E+03	16.1
PCB-194 22'33'44'55'-OcCB	ND		0.9913					0.87	ND	1.95E+03	16.4
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	1.95E+03	15.5
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	4.63E+03	27.6
PCB-207 22'33'44'566'-NoCB	ND		1.0182					0.96	ND	4.63E+03	27.6
PCB-206 22'33'44'55'6'-NoCB	ND		1.0005					0.93	ND	4.63E+03	47.8
AS PCB-32	19.761		1.2611	1.2603	-0.9	1.33E+07	1.07	0.84	66.1 %	50%	150%
AS PCB-97	30.593		1.0320	1.032	0	1.01E+07	1.50	0.85	76.5 %	50%	150%
AS PCB-159	38.465		1.0520	1.0519	-0.2	1.48E+07	1.21	1.16	125 %	50%	150%



SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
User: JLJ Datafile: 241016B13



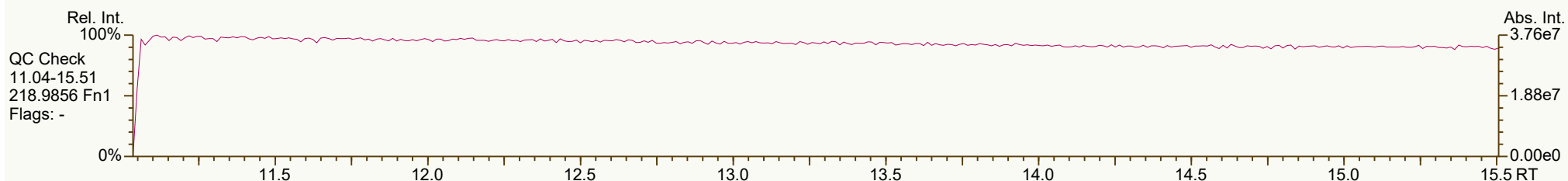
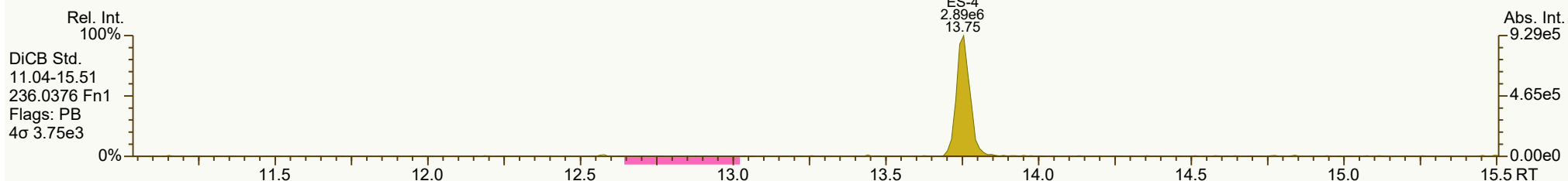
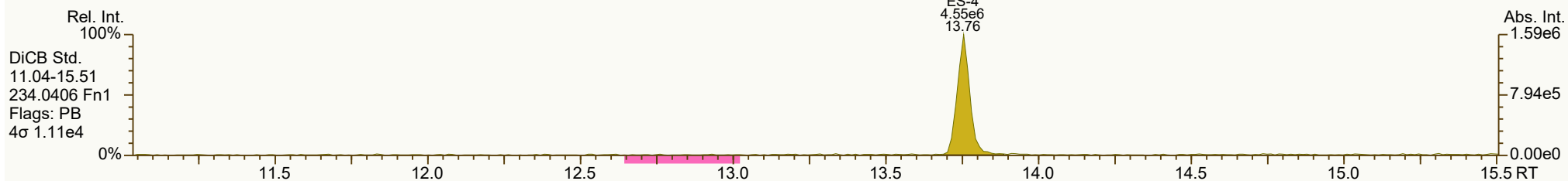
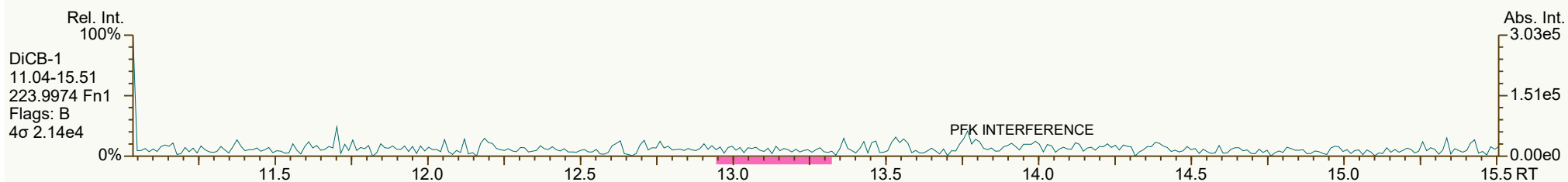
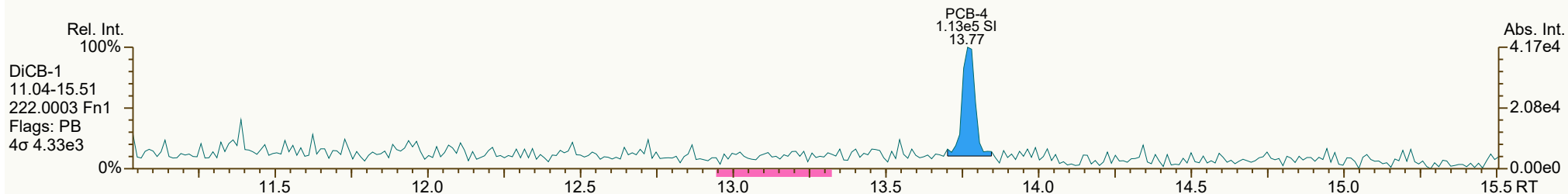
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 2 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

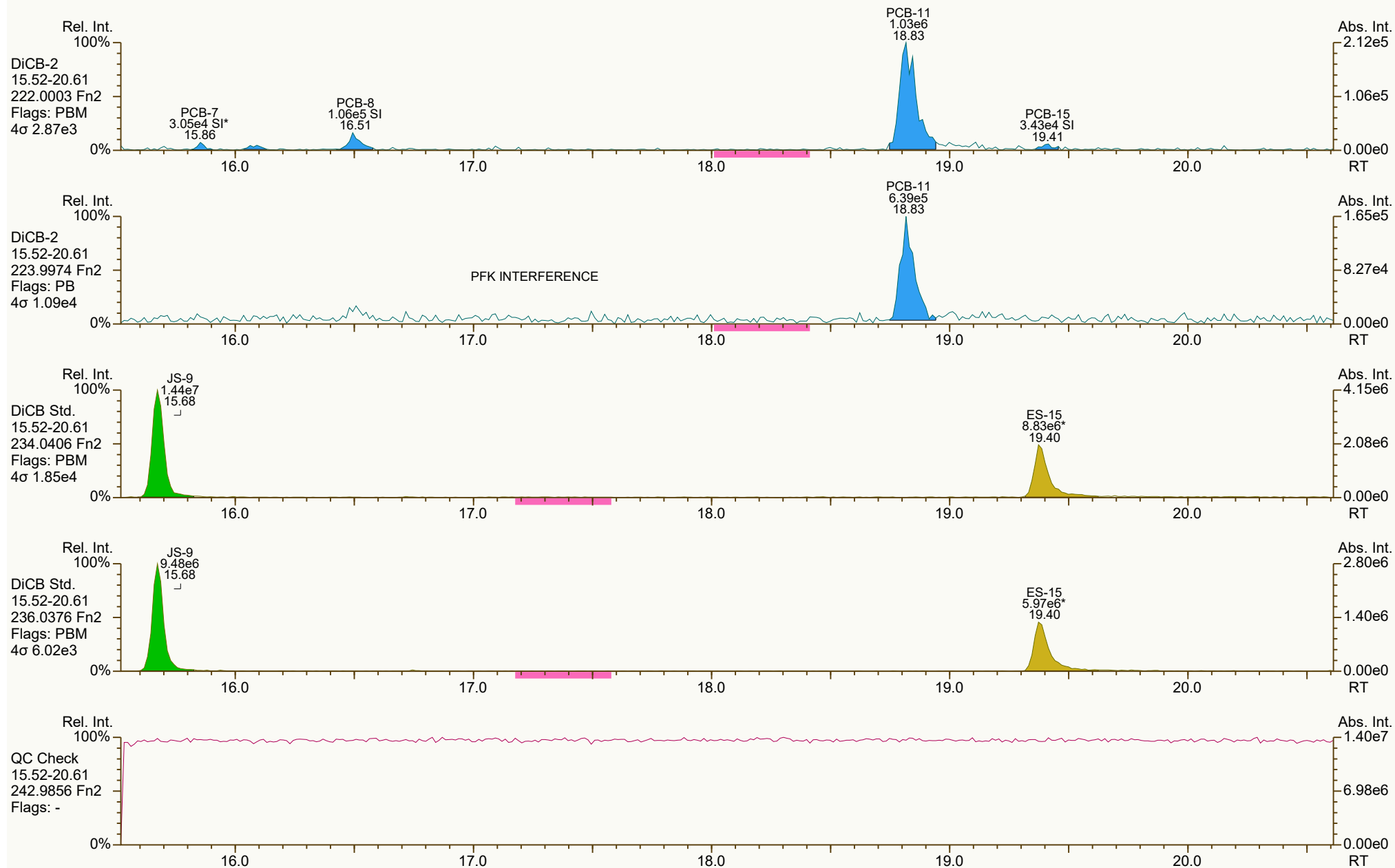
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VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
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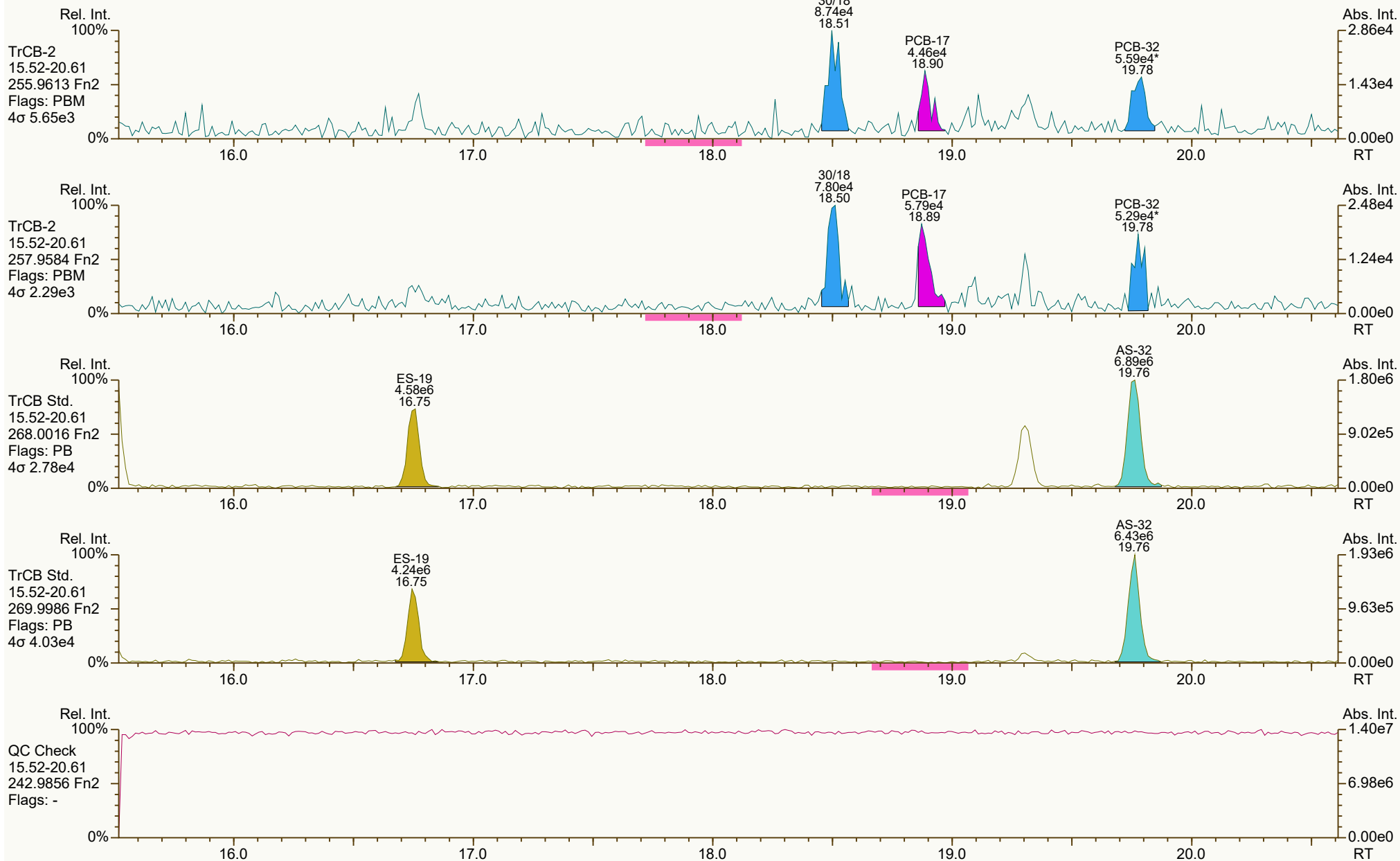
Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 3 of 21



SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 5 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
User: JLJ Datafile: 241016B13



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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 6 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
User: JLJ Datafile: 241016B13



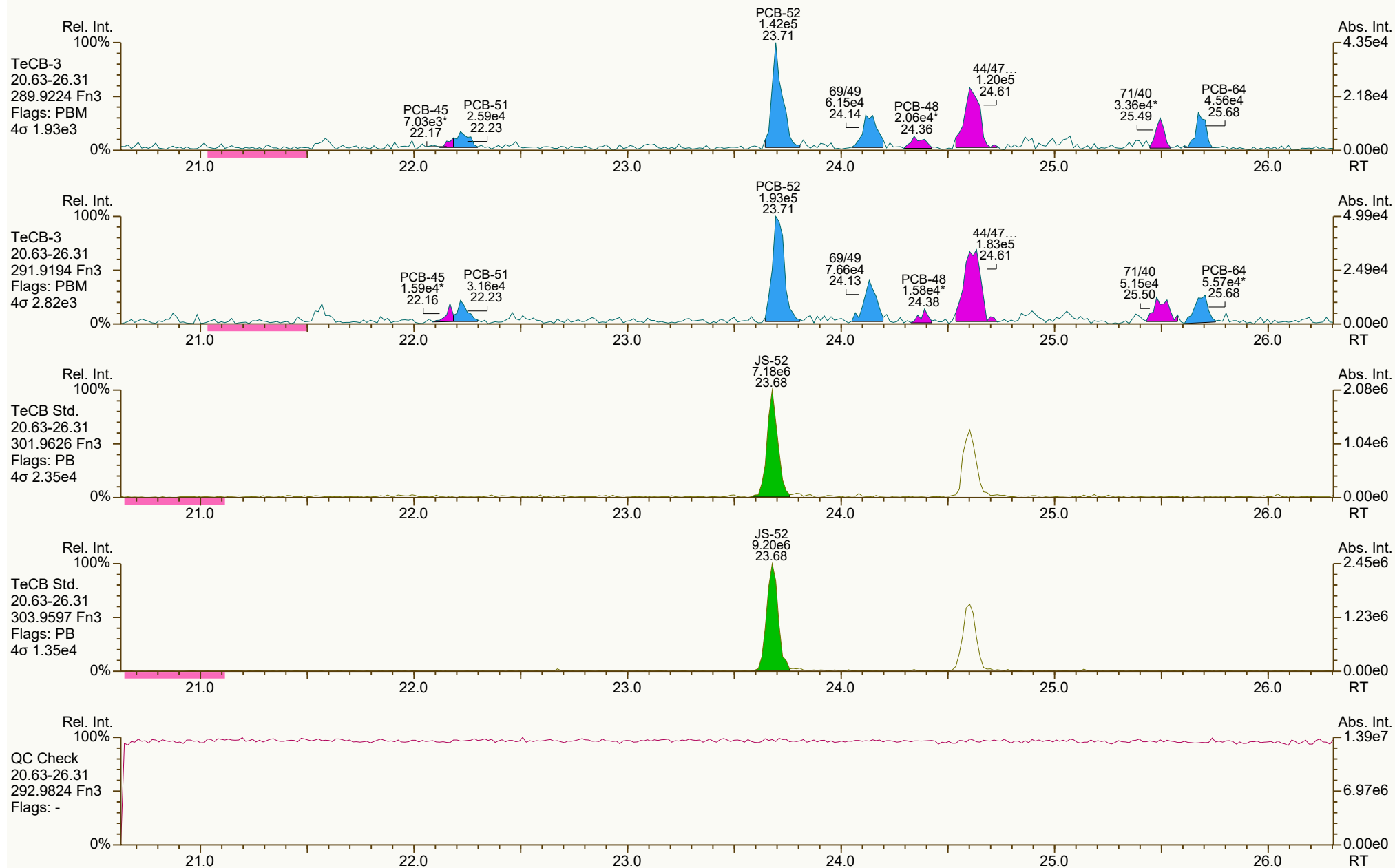
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:37 Printed: 23-Oct-2024 11:12 Page 7 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 8 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 9 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
User: JLJ Datafile: 241016B13



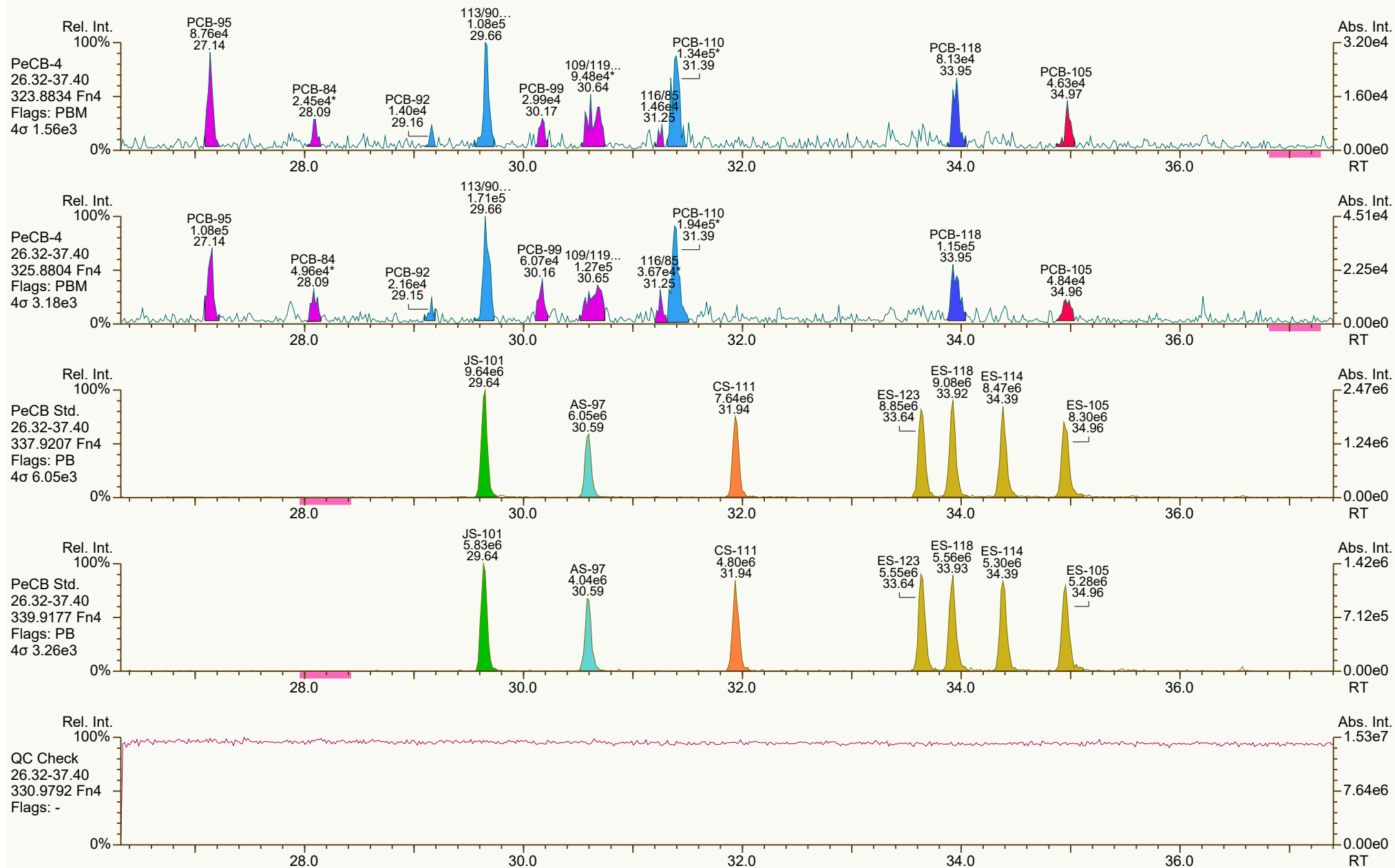
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 10 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
User: JLJ Datafile: 241016B13



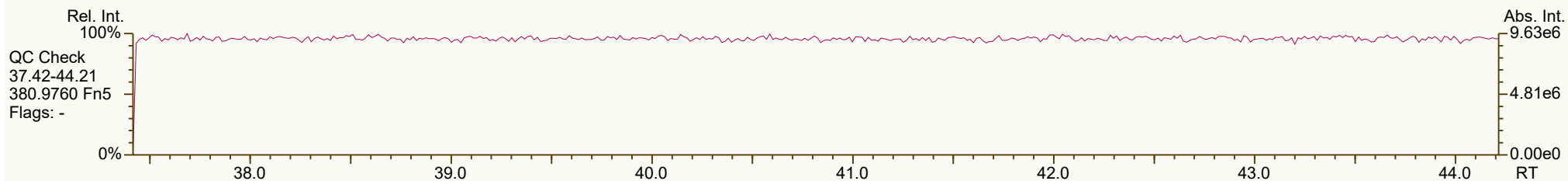
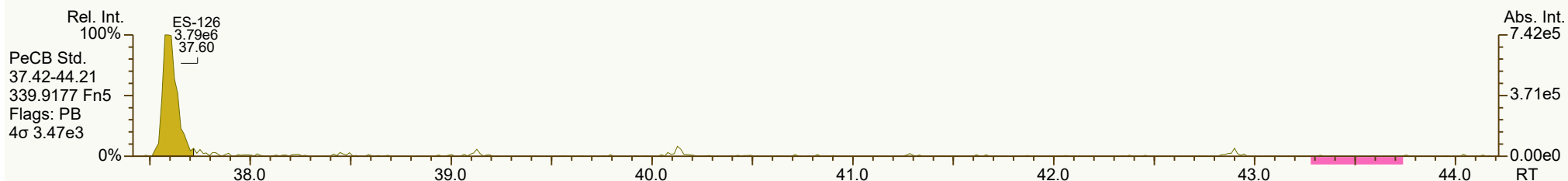
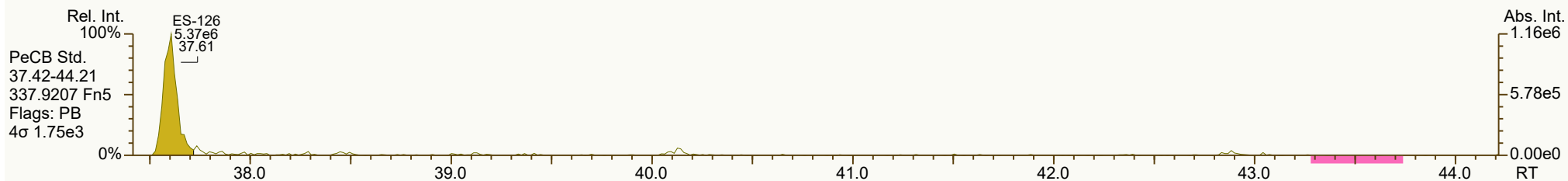
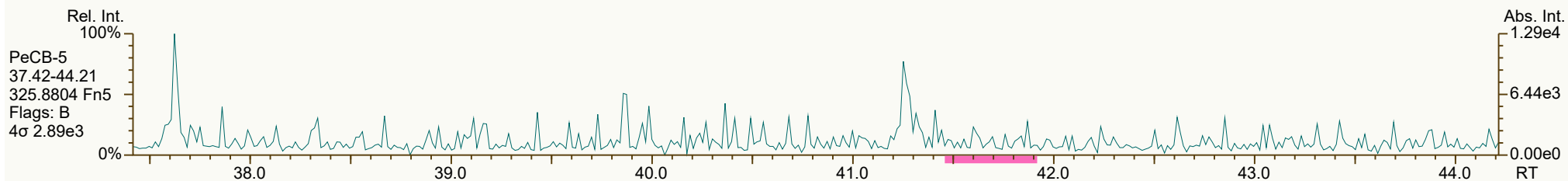
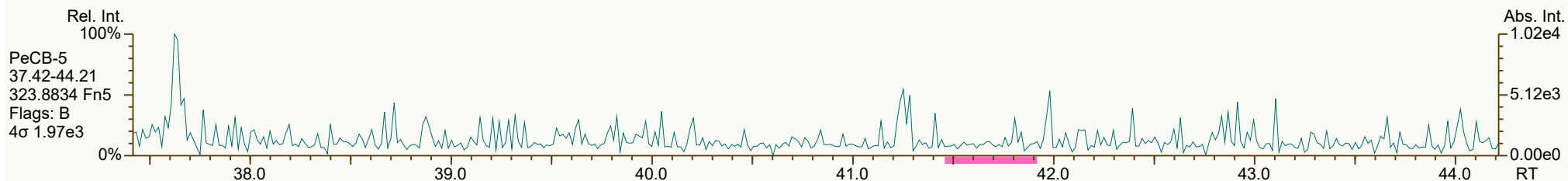
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 11 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

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User: JLJ Datafile: 241016B13



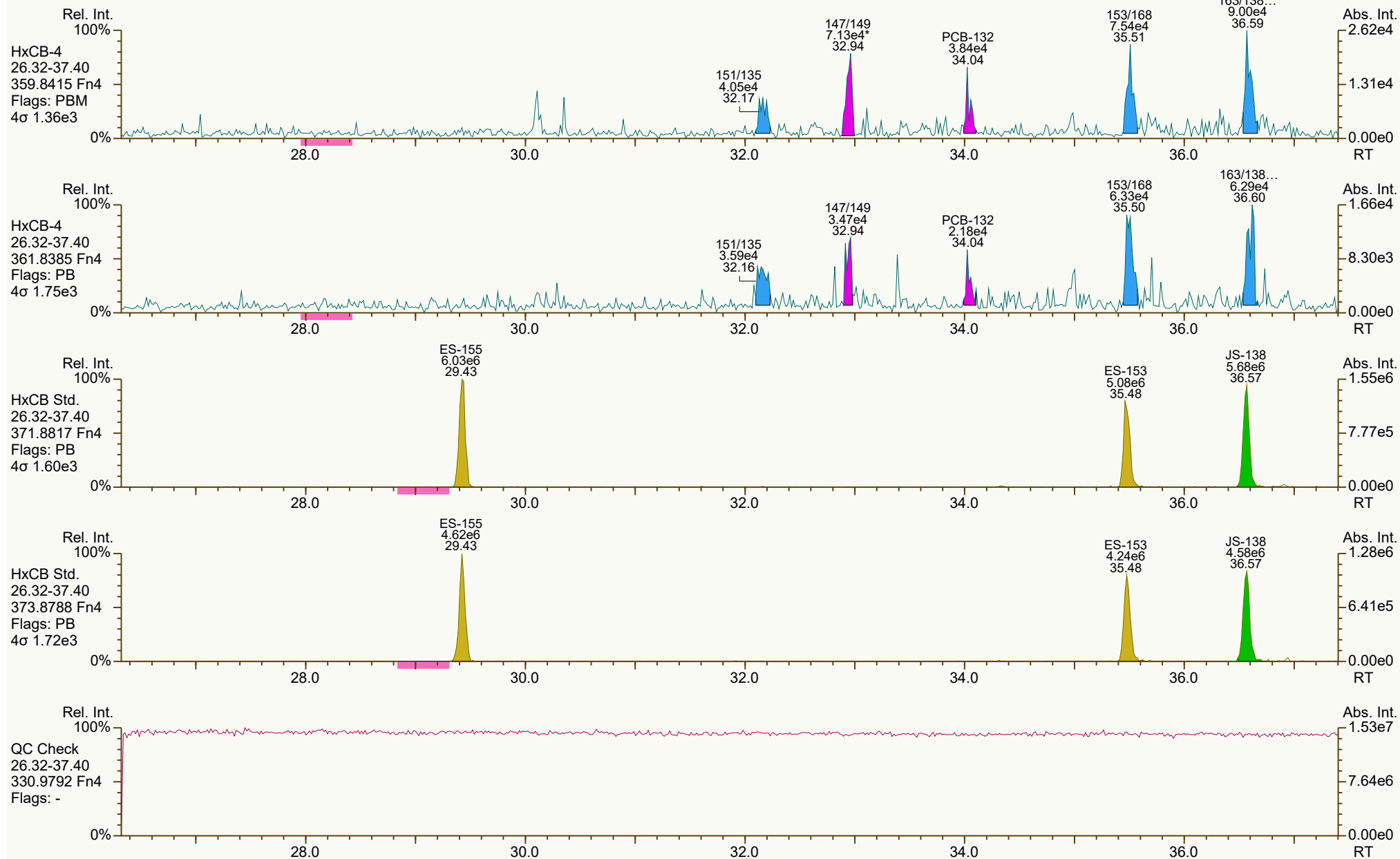
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 12 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 13 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
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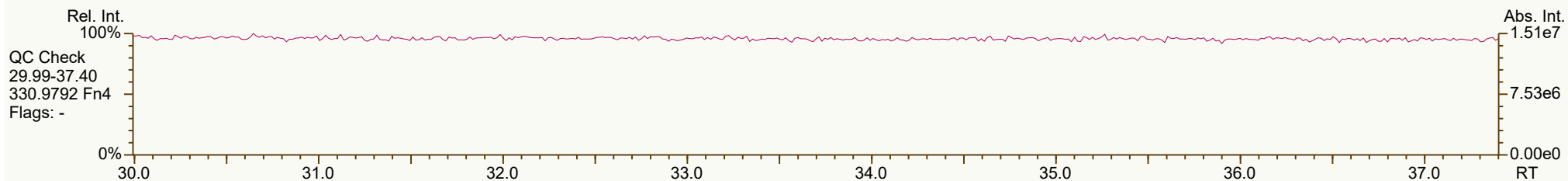
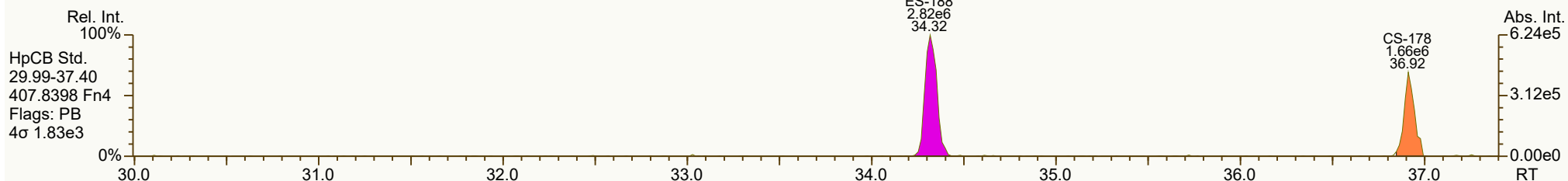
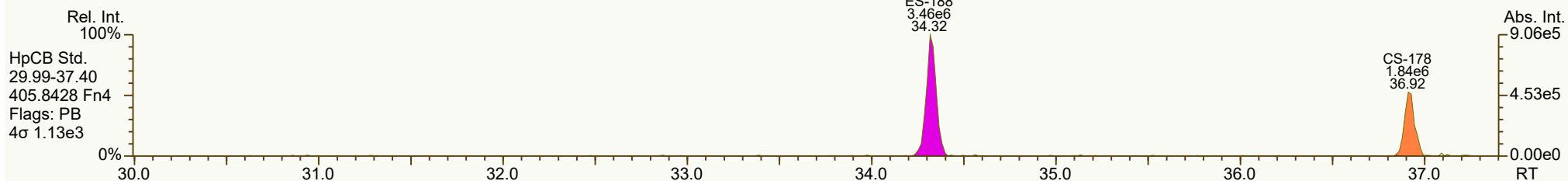
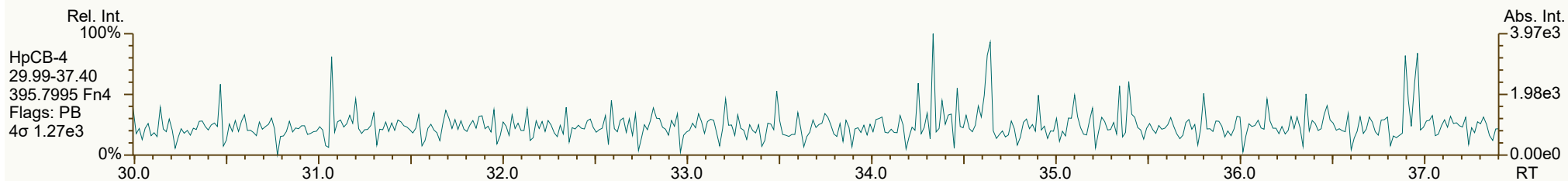
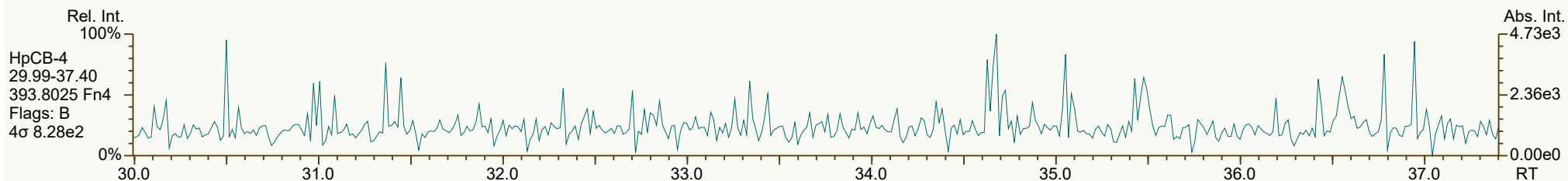
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 14 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 15 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
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Acq: 17-Oct-2024 00:40:32
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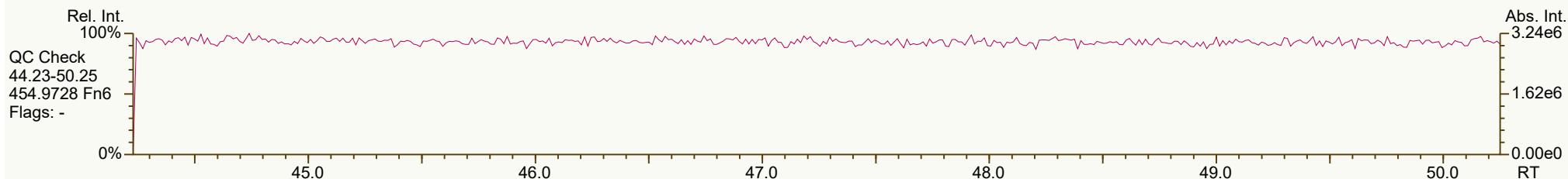
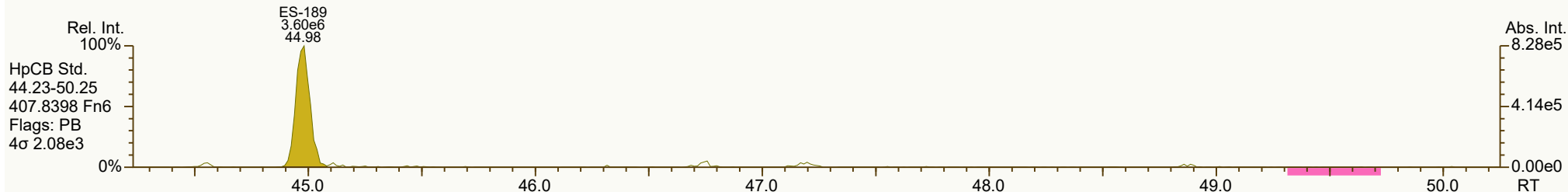
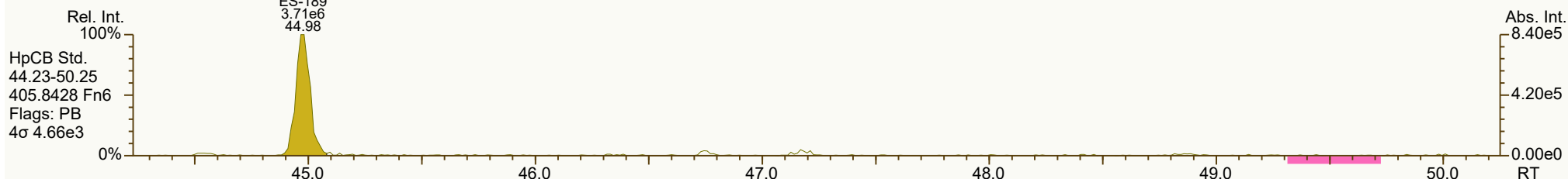
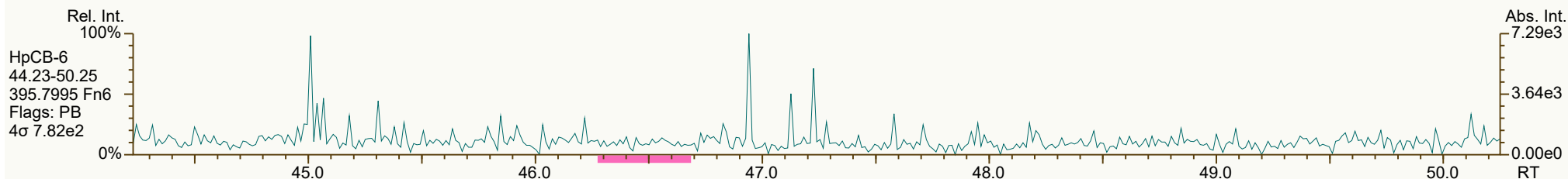
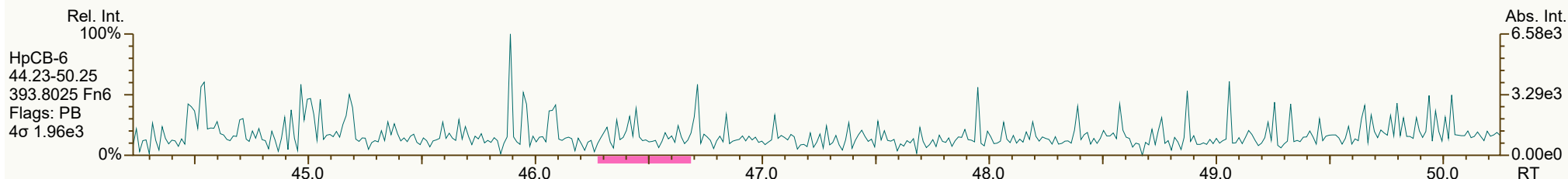
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 16 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 17 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

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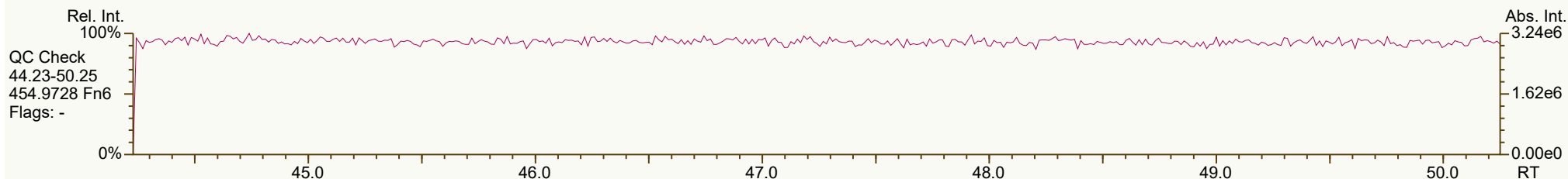
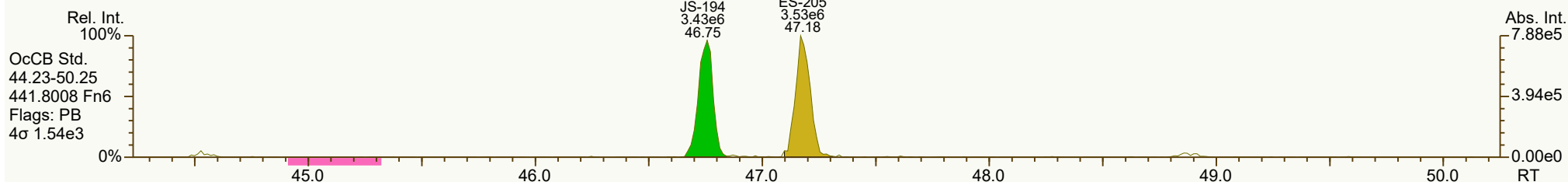
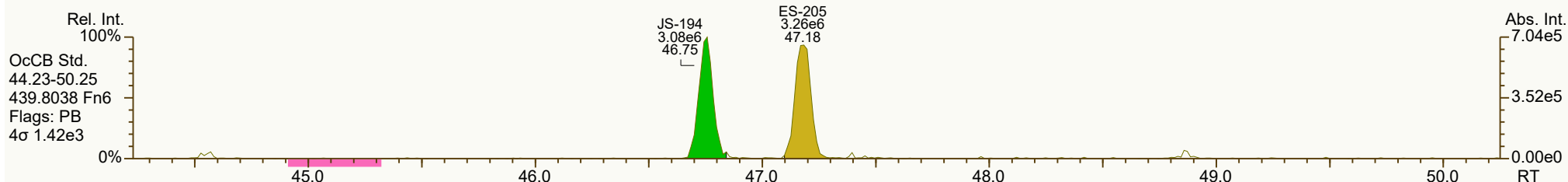
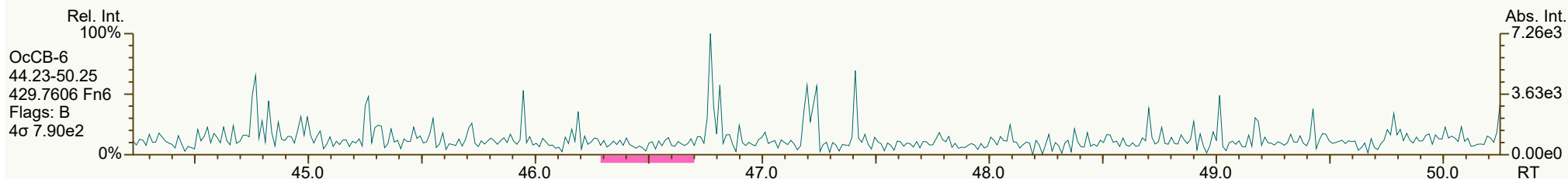
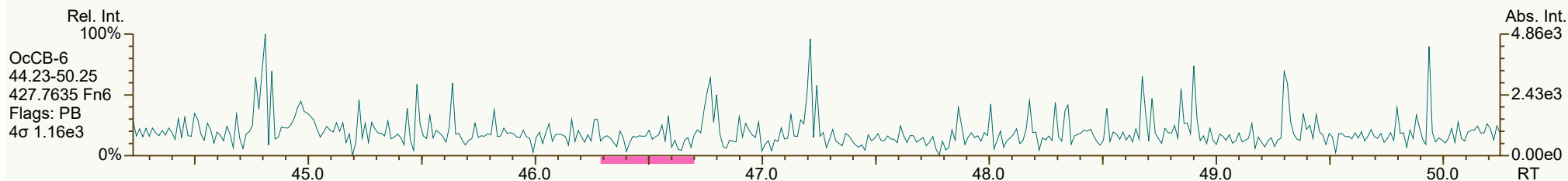
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 18 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

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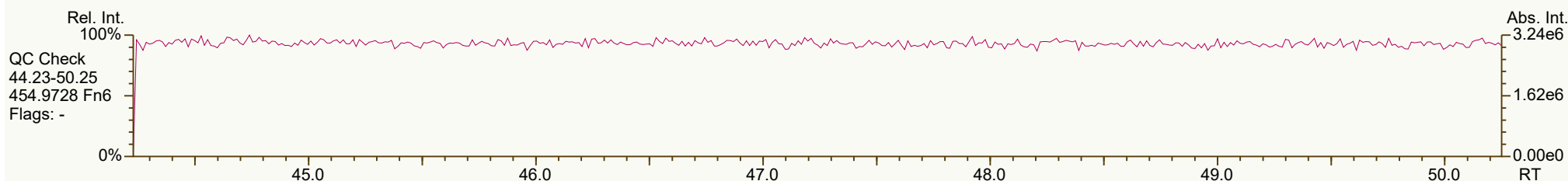
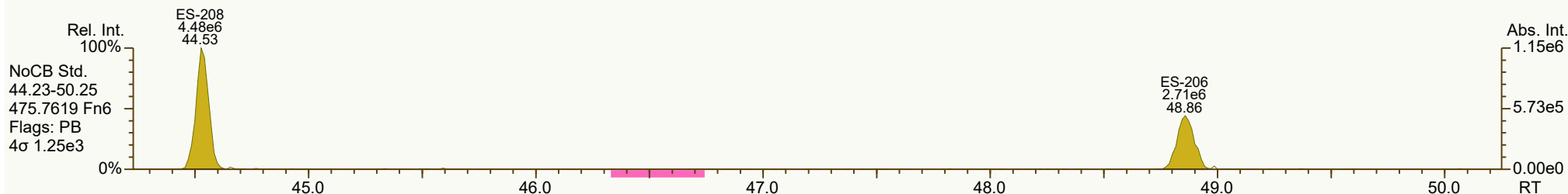
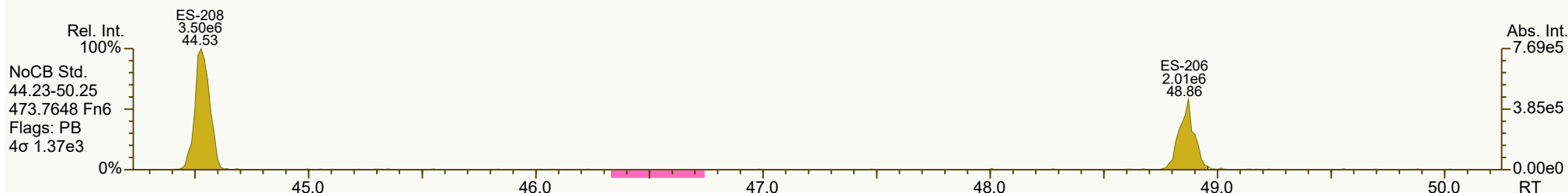
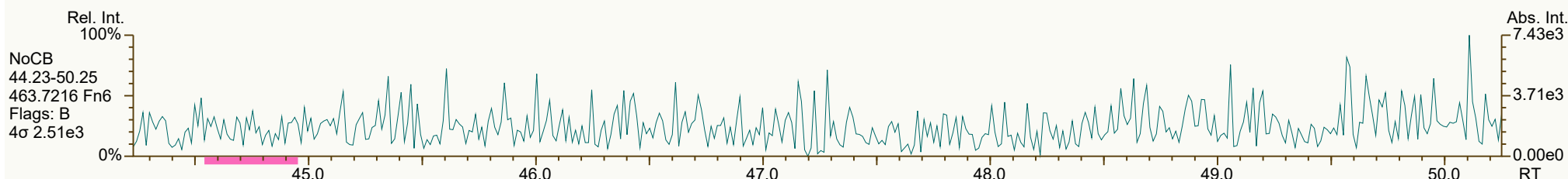
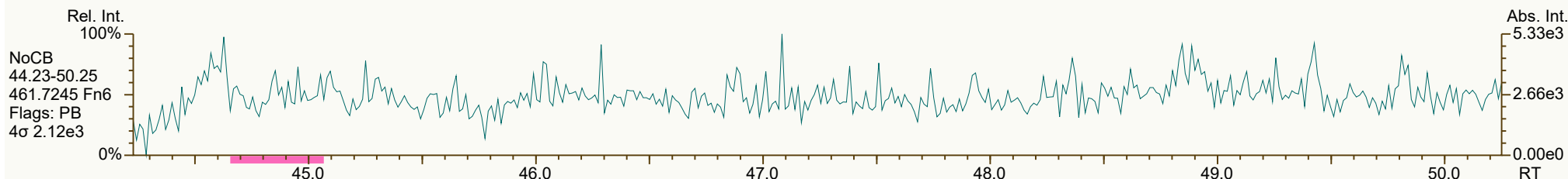
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3808, 4132 scc: 037-401

Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 19 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
User: JLJ Datafile: 241016B13



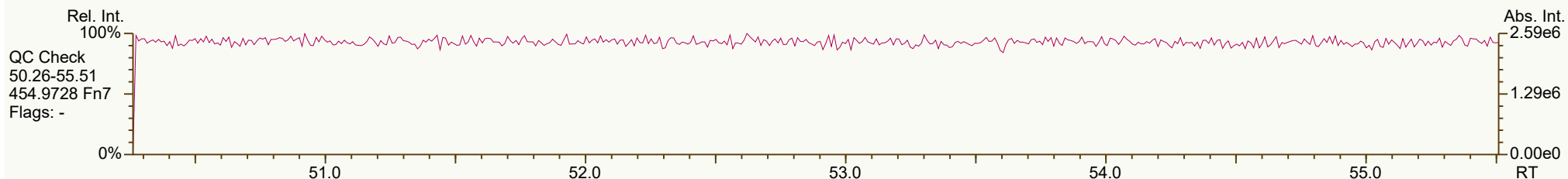
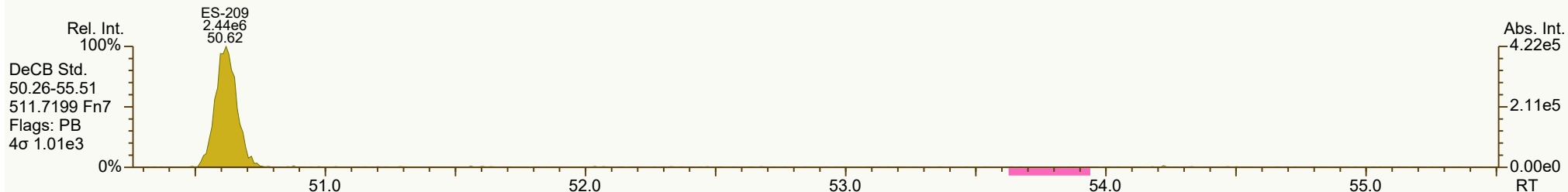
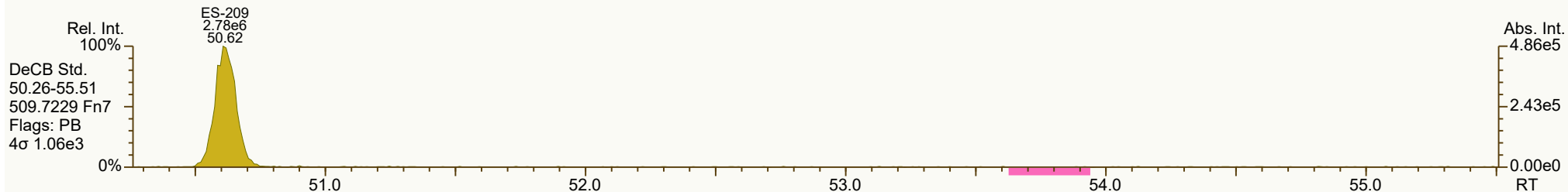
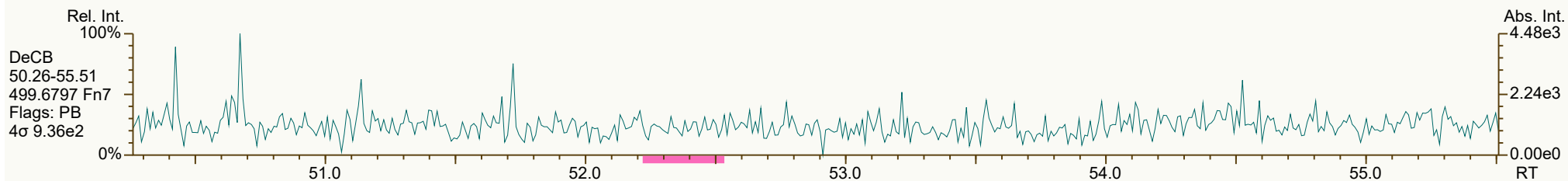
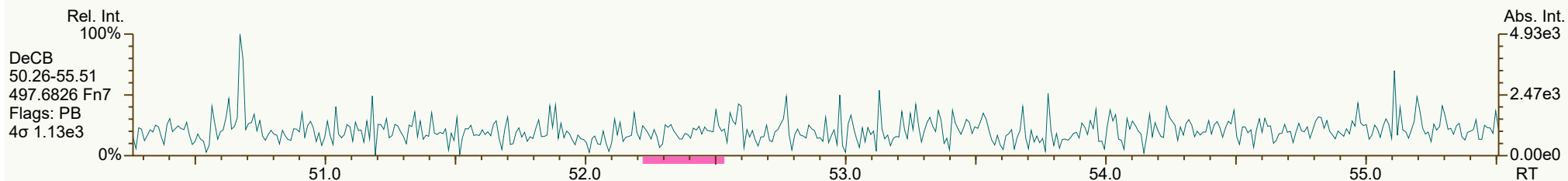
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6705, 9302 scc: 037-401

Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:53 Printed: 23-Oct-2024 11:12 Page 20 of 21

SGS ID: MB1_21527_PCB_SDS-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Method Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 10

Acq: 17-Oct-2024 00:40:32
User: JLJ Datafile: 241016B13



Lab ID: B9935_21527_PCB_001-CU

ACQ: 17-Oct-2024 01:39:13 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #1

UTP: 22-Oct-2024 12:40:55 JLJ

J-level: 20 pg Split: 2

Checkcode: 060-135-DKY/C

Datafile: 241016B14

RPT: 23-Oct-2024 11:15 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	32.10	EMPC	1.0006	1.0006	0	1.34E+05	0.97	0.95	40	8.82E+03	30.4
PCB-81 344'5-TeCB	ND		1.0004					0.94	ND	8.82E+03	27.4
PCB-105 233'44'-PeCB	35.07	B EMPC	1.0007	1.0012	+1.1	4.06E+05	1.61	0.97	120	8.16E+03	26.7
PCB-114 2344'5-PeCB	34.48		1.0007	1.0005	-0.4	1.53E+05	0.59	0.96	46.6	8.16E+03	25.4
PCB-118 23'44'5-PeCB	34.03	B	1.0006	1.0007	+0.2	9.40E+05	0.59	0.99	267	8.16E+03	24.2
PCB-123 23'44'5'-PeCB	ND		1.0006					0.96	ND	8.16E+03	27.1
PCB-126 33'44'5-PeCB	ND		1.0006					0.96	ND	5.75E+03	25
PCB-156/157 ...-HxCB	40.17	B EMPC C	1.0005	1.0001	-1.0	9.62E+04	1.00	0.96	41.9	7.35E+03	45.1
PCB-167 23'44'55'-HxCB	39.20	J EMPC	1.0006	1.0006	0	5.33E+04	0.85	0.94	18.4	7.35E+03	25.8
PCB-169 33'44'55'-HxCB	ND		1.0004					0.97	ND	7.35E+03	34.7
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.74E+03	23.6
PCB-209 DeCB	ND		1.0005					0.95	ND	2.02E+03	23.6
ES PCB-1	11.38		0.7218	0.7206	-0.8	4.48E+06	2.87	1.19	42.3 %	5%	145%
ES PCB-3	13.60		0.8630	0.8616	-1.1	7.18E+06	2.55	1.13	71.4 %	5%	145%
ES PCB-4	13.84		0.8776	0.8766	-0.8	4.43E+06	1.59	0.72	68.8 %	5%	145%
ES PCB-15	19.55		1.2360	1.2381	+2.5	1.16E+07	1.67	1.07	122 %	5%	145%
ES PCB-19	16.90		1.0690	1.0707	+1.7	1.53E+06	0.99	0.65	26.5 %	5%	145%
ES PCB-37	25.77		1.0835	1.0810	-3.9	1.18E+07	1.06	1.40	79.8 %	5%	145%
ES PCB-54	19.82		0.8281	0.8312	+3.7	2.75E+06	0.82	1.23	21.1 %	5%	145%
ES PCB-77	32.08		1.3507	1.3456	-9.8	1.41E+07	0.72	1.28	104 %	10%	145%
ES PCB-81	31.59		1.3299	1.3251	-9.1	1.37E+07	0.77	1.33	97.6 %	10%	145%
ES PCB-104	24.66		0.8269	0.8285	+2.4	6.78E+06	1.73	1.32	42.3 %	10%	145%
ES PCB-105	35.03		1.1790	1.1770	-4.2	1.40E+07	1.73	1.26	91.3 %	10%	145%
ES PCB-114	34.47		1.1600	1.1583	-3.5	1.37E+07	1.61	1.34	83.6 %	10%	145%
ES PCB-118	34.01		1.1443	1.1430	-2.7	1.43E+07	1.49	1.31	89.5 %	10%	145%
ES PCB-123	33.73		1.1347	1.1334	-2.6	1.36E+07	1.55	1.27	87.8 %	10%	145%
ES PCB-126	37.66		1.2681	1.2654	-6.1	9.69E+06	1.58	1.19	67.1 %	10%	145%
ES PCB-153	35.56		0.9704	0.9707	+0.6	1.06E+07	1.30	1.11	95.7 %	10%	145%
ES PCB-155	29.55		0.8048	0.8065	+3.0	1.19E+07	1.20	1.45	82.2 %	10%	145%
ES PCB-156/157	40.16	C	1.0972	1.0963	-2.2	1.91E+07	1.26	1.24	77.5 %	10%	145%
ES PCB-167	39.17		1.0697	1.0693	-0.9	1.24E+07	1.16	1.29	96.7 %	10%	145%
ES PCB-169	42.92		1.1725	1.1715	-2.6	9.22E+06	1.34	1.18	78.4 %	10%	145%
ES PCB-170	42.38		0.9057	0.9060	+0.8	7.74E+06	1.06	1.06	123 %	10%	145%
ES PCB-180	41.30		0.8824	0.8829	+1.2	9.03E+06	1.07	1.25	121 %	10%	145%
ES PCB-188	34.41		0.9388	0.9393	+1.0	8.37E+06	0.94	1.36	61.8 %	10%	145%
ES PCB-189	45.01		0.9620	0.9621	+0.3	7.37E+06	0.99	1.37	90 %	10%	145%
ES PCB-202	38.94		1.0636	1.0630	-1.4	8.94E+06	0.89	1.19	75.4 %	10%	145%
ES PCB-205	47.21		1.0092	1.0092	0	6.87E+06	0.88	1.23	93.4 %	10%	145%
ES PCB-206	48.89		1.0452	1.0452	0	4.35E+06	0.81	0.89	82.1 %	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	44.56		0.9526	0.9526	0	8.11E+06	0.80	1.26	108 %	10%	145%
ES PCB-209	50.65		1.0828	1.0827	-0.3	4.74E+06	1.20	0.98	80.7 %	10%	145%
SS PCB-28	22.22		0.9322	0.9320	-0.3	1.02E+07	1.07	1.04	83.2 %	5%	145%
SS PCB-111	32.05		1.0775	1.0769	-1.2	1.34E+07	1.56	0.98	101 %	10%	145%
SS PCB-178	36.99		1.0098	1.0097	-0.2	5.57E+06	1.15	0.71	94 %	10%	145%
CS PCB-28	22.22		0.9322	0.9320	-0.3	1.02E+07	1.07	1.44	66.8 %	5%	145%
CS PCB-111	32.05		1.0775	1.0769	-1.2	1.34E+07	1.56	1.24	88.6 %	10%	145%
CS PCB-178	36.99		1.0098	1.0097	-0.2	5.57E+06	1.15	0.96	58.1 %	10%	145%
JS PCB-9	15.79					8.90E+06	1.44				
JS PCB-52	23.84					1.06E+07	0.86				
JS PCB-101	29.76					1.22E+07	1.60				
JS PCB-138	36.63					9.95E+06	1.27				
JS PCB-194	46.78					5.97E+06	0.95				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	1,240,000	1,240,000	164		
						Di-CB	170,000	170,000	116		
						Tri-CB	27,000	27,100	210		
						Tetra-CB	2,830	3,010	33.3		
						Penta-CB	2,270	2,600	25.3		
						Hexa-CB	3,200	3,470	29.1		
						Hepta-CB	854	1,550	22		
						Octa-CB	156	291	18		
						Nona-CB	0	0	64.3		

Lab ID: B9935_21527_PCB_001-CU

ACQ: 17-Oct-2024 01:39:13 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #1

UTP: 22-Oct-2024 12:40:55 JLJ

J-level: 20 pg Split: 2

Checkcode: 060-135-DKY/C

Datafile: 241016B14

RPT: 23-Oct-2024 11:15 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	E	1.0012	1.0014	+0.1	1.49E+08	2.96	1.01	132,000	1.50E+04	211
PCB-2 3-MoCB	13.44	E	0.9879	0.9880	+0.1	8.27E+08	2.94	0.87	528,000	1.50E+04	135
PCB-3 4-MoCB	13.62	E	1.0009	1.0011	+0.2	1.07E+09	2.93	1.01	585,000	1.50E+04	116
PCB-4 22'-DiCB	13.85		1.0010	1.0012	+0.2	4.11E+07	1.63	0.98	37,700	1.03E+04	126
PCB-10 26-DiCB	ND		1.0134					1.62	ND	1.03E+04	76.9
PCB-9 25-DiCB	15.80		1.0011	1.0008	-0.3	5.63E+06	1.51	0.78	2,490	1.51E+04	132
PCB-7 24-DiCB	15.96		1.0114	1.0110	-0.4	6.48E+06	1.42	0.72	3,110	1.51E+04	142
PCB-6 23'-DiCB	16.19		1.0263	1.0255	-0.8	5.65E+06	1.44	0.84	2,320	1.51E+04	122
PCB-5 23-DiCB	16.45		1.0448	1.0423	-2.5	9.68E+05	1.42	0.68	488	1.51E+04	150
PCB-8 24'-DiCB	16.60		1.0524	1.0514	-1.0	1.83E+08	1.47	0.89	71,000	1.51E+04	115
PCB-14 35-DiCB	18.15		0.9303	0.9287	-1.7	2.85E+06	1.44	0.72	1,370	1.51E+04	143
PCB-11 33'-DiCB	18.94	B	0.9710	0.9693	-1.9	6.96E+06	1.42	0.78	3,060	1.51E+04	131
PCB-13/12 34'/34-DiCB	19.23	C	0.9857	0.9841	-1.8	1.82E+07	1.45	0.71	8,790	1.51E+04	144
PCB-15 44'-DiCB	19.56		1.0006	1.0010	+0.5	1.12E+08	1.47	0.97	39,800	1.51E+04	106
PCB-19 22'6-TrCB	ND		1.0011					1.03	ND	7.24E+03	367
PCB-30/18 246/22'5-TrCB	18.63	C	1.1033	1.1022	-1.2	2.96E+06	1.07	1.62	4,770	7.24E+03	234
PCB-17 22'4-TrCB	19.03		1.1274	1.1262	-1.4	2.39E+06	1.03	1.11	5,640	7.24E+03	343
PCB-27 23'6-TrCB	ND		1.1392					1.52	ND	7.24E+03	250
PCB-24 236-TrCB	19.34		1.1465	1.1444	-2.4	8.88E+05	1.05	1.55	1,490	7.24E+03	245
PCB-16 22'3-TrCB	19.47		1.1530	1.1518	-1.4	1.02E+06	1.15	1.16	2,300	7.24E+03	329
PCB-32 24'6-TrCB	ND		1.1809					1.73	ND	7.24E+03	220
PCB-34 23'5'-TrCB	ND		0.8151					0.91	ND	1.45E+04	59.2
PCB-23 235-TrCB	ND		0.8205					0.98	ND	1.45E+04	54.8
PCB-26/29 23'5/245-TrCB	21.51	C	0.8319	0.8347	+3.6	3.34E+06	1.06	0.96	1,180	1.45E+04	56
PCB-25 23'4-TrCB	21.69		0.8398	0.8416	+2.3	2.69E+05	0.93	1.18	77.2	1.45E+04	45.6
PCB-31 24'5-TrCB	21.98		0.8507	0.8526	+2.5	3.63E+06	1.04	1.15	1,070	1.45E+04	46.9
PCB-28/20 244'/233'-TrCB	22.24	C	0.8616	0.8628	+1.6	2.03E+07	1.02	1.04	6,590	1.45E+04	51.7
PCB-21/33 234/23'4'-TrCB	22.43	C	0.8685	0.8704	+2.6	5.22E+06	0.99	1.03	1,710	1.45E+04	52.1
PCB-22 234'-TrCB	22.80	B EMPC	0.8838	0.8845	+1.0	4.01E+05	1.25	1.11	122	1.45E+04	48.4
PCB-36 33'5-TrCB	ND		0.9373					1.11	ND	1.45E+04	48.3
PCB-39 34'5-TrCB	24.49		0.9499	0.9503	+0.6	1.96E+05	1.04	1.00	66.7	1.45E+04	54.1
PCB-38 345-TrCB	25.02		0.9699	0.9706	+1.1	4.44E+06	1.04	1.02	1,470	1.45E+04	52.9
PCB-35 33'4-TrCB	25.43		0.9865	0.9867	+0.3	2.51E+05	1.03	0.97	87.9	1.45E+04	55.6
PCB-37 344'-TrCB	25.79		1.0008	1.0007	-0.2	1.59E+06	1.04	1.03	521	1.45E+04	52.1
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.04E+03	79.4
PCB-50/53 22'46/22'56'-TeCB	21.72	J C	0.9114	0.9111	-0.4	1.08E+05	0.68	0.91	34.6	4.69E+03	15
PCB-45 22'36'-TeCB	22.31	B	0.9363	0.9359	-0.5	1.36E+05	0.68	0.63	62.4	4.69E+03	21.7
PCB-51 22'46'-TeCB	22.37	J B EMPC	0.9389	0.9384	-0.7	5.27E+04	1.32	1.06	14.6	4.69E+03	13
PCB-46 22'36'-TeCB	ND		0.9486					0.73	ND	4.69E+03	18.9
PCB-52 22'55'-TeCB	23.87	B	1.0009	1.0010	+0.1	9.65E+05	0.84	0.97	290	4.69E+03	14.1
PCB-73 23'5'6'-TeCB	ND		1.0059					1.21	ND	4.69E+03	11.4

Lab ID: B9935_21527_PCB_001-CU

ACQ: 17-Oct-2024 01:39:13 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #1

UTP: 22-Oct-2024 12:40:55 JLJ

J-level: 20 pg Split: 2

Checkcode: 060-135-DKY/C

Datafile: 241016B14

RPT: 23-Oct-2024 11:15 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	24.07	EMPC	1.0098	1.0094	-0.6	9.24E+04	1.04	0.91	29.6	4.69E+03	15.1
PCB-69/49 23'46/22'45'-TeCB	24.31	B C	1.0180	1.0194	+2.0	4.05E+05	0.86	1.03	115	4.69E+03	13.4
PCB-48 22'45'-TeCB	24.53		1.0298	1.0288	-1.5	4.51E+05	0.72	0.86	153	4.69E+03	16
PCB-44/47/65 ...-TeCB	24.75	B C	1.0391	1.0379	-1.8	1.04E+06	0.80	0.99	308	4.69E+03	13.9
PCB-59/62/75 ...-TeCB	25.01	C	1.0505	1.0490	-2.3	1.10E+06	0.77	1.12	286	4.69E+03	12.3
PCB-42 22'34'-TeCB	25.20		1.0582	1.0568	-2.1	1.72E+05	0.85	0.79	63.6	4.69E+03	17.4
PCB-41 22'34'-TeCB	25.52		1.0722	1.0706	-2.5	3.93E+05	0.70	0.65	176	4.69E+03	21.1
PCB-71/40 23'4'6/22'33'-TeCB	25.62	B C	1.0764	1.0746	-2.8	3.24E+05	0.73	0.96	98.3	4.69E+03	14.3
PCB-64 234'6'-TeCB	25.81	B	1.0848	1.0826	-3.4	4.35E+05	0.82	1.15	110	4.69E+03	12
PCB-72 23'55'-TeCB	ND		0.8381					0.91	ND	8.82E+03	28.3
PCB-68 23'45'-TeCB	ND		0.8462					0.88	ND	8.82E+03	29.5
PCB-57 233'5'-TeCB	ND		0.8580					0.93	ND	8.82E+03	27.8
PCB-58 233'5'-TeCB	ND		0.8647					1.04	ND	8.82E+03	24.8
PCB-67 23'45'-TeCB	ND		0.8694					1.08	ND	8.82E+03	23.9
PCB-63 234'5'-TeCB	27.74	EMPC	0.8767	0.8780	+2.2	1.96E+05	0.63	0.85	67	8.82E+03	30.4
PCB-61/70/74/76 ...-TeCB	28.05	B C	0.8859	0.8879	+3.4	2.61E+06	0.70	0.97	784	8.82E+03	26.7
PCB-66 23'44'-TeCB	28.33	B	0.8952	0.8966	+2.4	5.52E+05	0.77	0.98	164	8.82E+03	26.3
PCB-55 233'4'-TeCB	ND		0.9000					1.01	ND	8.82E+03	25.7
PCB-56 233'4'-TeCB	28.90	EMPC	0.9140	0.9149	+1.6	8.10E+04	1.13	0.96	24.6	8.82E+03	27
PCB-60 2344'-TeCB	29.10		0.9200	0.9210	+1.7	5.28E+05	0.82	0.83	187	8.82E+03	31.3
PCB-80 33'55'-TeCB	ND		0.9301					0.95	ND	8.82E+03	27.2
PCB-79 33'45'-TeCB	ND		0.9729					1.03	ND	8.82E+03	25.1
PCB-78 33'45'-TeCB	ND		0.9882					0.85	ND	8.82E+03	30.3
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	3.75E+03	23.3
PCB-96 22'366'-PeCB	ND		1.0150					1.11	ND	3.75E+03	20.9
PCB-103 22'45'6'-PeCB	ND		0.8954					0.84	ND	8.16E+03	30.9
PCB-94 22'356'-PeCB	ND		0.9023					0.71	ND	8.16E+03	36.6
PCB-95 22'35'6'-PeCB	27.27	B	0.9156	0.9163	+1.1	1.12E+06	0.68	0.80	412	8.16E+03	32.6
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9218					0.79	ND	8.16E+03	32.9
PCB-102 22'456'-PeCB	ND		0.9258					0.92	ND	8.16E+03	28.3
PCB-98 22'34'6'-PeCB	ND		0.9280					0.92	ND	8.16E+03	28.3
PCB-88 22'346'-PeCB	ND		0.9382					0.76	ND	8.16E+03	34.1
PCB-91 22'34'6'-PeCB	ND		0.9409					0.80	ND	8.16E+03	32.7
PCB-84 22'33'6'-PeCB	28.23	B EMPC	0.9478	0.9486	+1.4	2.10E+05	0.76	0.67	92.1	8.16E+03	38.6
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	8.16E+03	32.3
PCB-121 23'45'6'-PeCB	ND		0.9723					1.20	ND	8.16E+03	21.6
PCB-92 22'355'-PeCB	29.28	B EMPC	0.9838	0.9839	+0.2	2.01E+05	0.52	0.76	78.5	8.16E+03	34.5
PCB-113/90/101 ...-PeCB	29.78	B C	1.0000	1.0008	+1.4	1.72E+06	0.62	0.88	575	8.16E+03	29.4
PCB-83 22'33'5'-PeCB	ND		1.0150					0.63	ND	8.16E+03	41.4
PCB-99 22'44'5'-PeCB	30.26	B	1.0176	1.0170	-1.1	6.98E+05	0.56	1.01	203	8.16E+03	25.7
PCB-112 233'56'-PeCB	ND		1.0214					1.30	ND	8.16E+03	20

Lab ID: B9935_21527_PCB_001-CU

ACQ: 17-Oct-2024 01:39:13 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #1

UTP: 22-Oct-2024 12:40:55 JLJ

J-level: 20 pg Split: 2

Checkcode: 060-135-DKY/C

Datafile: 241016B14

RPT: 23-Oct-2024 11:15 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	30.76	B C	1.0331	1.0337	+1.1	8.87E+05	0.62	0.95	277	8.16E+03	27.5
PCB-117 234'56-PeCB	31.24	J EMPC	1.0511	1.0500	-2.1	4.60E+04	1.16	1.01	13.4	8.16E+03	25.7
PCB-116/85 23456/22'344'-PeCB	31.34	B C	1.0540	1.0531	-1.7	2.11E+05	0.70	0.87	71.9	8.16E+03	30
PCB-110 233'4'6-PeCB	31.48	B	1.0586	1.0579	-1.3	1.37E+06	0.60	1.05	387	8.16E+03	24.9
PCB-115 2344'6-PeCB	31.57	EMPC	1.0608	1.0608	0	1.18E+05	0.74	1.30	26.8	8.16E+03	20
PCB-82 22'33'4-PeCB	31.76		1.0684	1.0672	-2.3	8.08E+04	0.61	0.76	31.4	8.16E+03	34.3
PCB-111 233'55'-PeCB	ND		1.0783					1.03	ND	8.16E+03	25.2
PCB-120 23'455'-PeCB	ND		1.0918					1.23	ND	8.16E+03	21.1
PCB-108/124 ...-PeCB	ND	C	0.9915					0.98	ND	8.16E+03	26.7
PCB-107 233'4'5-PeCB	ND		0.9977					1.10	ND	8.16E+03	23.8
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	8.16E+03	24.7
PCB-122 233'4'5'-PeCB	ND		1.0096					0.83	ND	8.16E+03	29.3
PCB-127 33'455'-PeCB	ND		1.0360					1.02	ND	8.16E+03	25.4
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.10E+03	10.9
PCB-152 22'3566'-HxCB	29.77	J EMPC	1.0075	1.0075	0	1.77E+04	2.02	1.15	5.19	3.10E+03	9.02
PCB-150 22'34'66'-HxCB	29.90	J EMPC	1.0120	1.0120	0	2.13E+04	0.74	1.01	7.09	3.10E+03	10.2
PCB-136 22'33'66'-HxCB	30.22		1.0233	1.0229	-0.7	4.57E+05	1.37	0.91	169	3.10E+03	11.3
PCB-145 22'3466'-HxCB	ND		1.0317					1.05	ND	3.10E+03	9.88
PCB-148 22'34'56'-HxCB	ND		1.0747					1.11	ND	3.10E+03	10.7
PCB-151/135 ...-HxCB	32.26	C	1.0933	1.0919	-2.7	9.78E+05	1.16	1.08	341	3.10E+03	11
PCB-154 22'44'56'-HxCB	ND		1.0994					1.16	ND	3.10E+03	10.3
PCB-144 22'345'6-HxCB	32.73	EMPC	1.1091	1.1079	-2.4	1.41E+05	1.86	1.05	50.7	3.10E+03	11.4
PCB-147/149 ...-HxCB	33.03	C	1.1195	1.1181	-2.8	1.99E+06	1.26	1.13	661	3.10E+03	10.5
PCB-134 22'33'56-HxCB	33.21	EMPC	1.1256	1.1241	-3.0	1.10E+05	1.58	0.75	55.5	3.10E+03	16
PCB-143 22'3456'-HxCB	ND		1.1281					1.07	ND	3.10E+03	11.2
PCB-139/140 ...-HxCB	ND	C	1.1368					1.09	ND	3.10E+03	11
PCB-131 22'33'46-HxCB	ND		1.1432					0.95	ND	3.10E+03	12.6
PCB-142 22'3456-HxCB	ND		1.1478					0.93	ND	3.10E+03	12.9
PCB-132 22'33'46'-HxCB	34.13	B	1.1567	1.1551	-3.3	5.08E+05	1.37	0.95	202	3.10E+03	12.6
PCB-133 22'33'55'-HxCB	ND		1.1698					1.07	ND	3.10E+03	11.2
PCB-165 233'55'6-HxCB	ND		0.9508					1.17	ND	3.10E+03	10.2
PCB-146 22'34'55'-HxCB	35.06		0.9566	0.9570	+0.8	3.86E+05	1.24	1.18	124	3.10E+03	10.2
PCB-161 233'45'6-HxCB	ND		0.9598					1.38	ND	3.10E+03	8.65
PCB-153/168 ...-HxCB	35.58	C	0.9714	0.9713	-0.2	2.19E+06	1.20	1.26	659	3.10E+03	9.51
PCB-141 22'3455'-HxCB	35.77		0.9760	0.9765	+1.1	4.61E+05	1.21	0.94	185	3.10E+03	12.7
PCB-130 22'33'45'-HxCB	36.10	EMPC	0.9856	0.9854	-0.4	1.17E+05	1.61	0.78	56.5	3.10E+03	15.4
PCB-137 22'344'5-HxCB	36.28	EMPC	0.9907	0.9904	-0.7	7.32E+04	1.88	0.93	29.8	3.10E+03	12.9
PCB-164 233'4'5'6-HxCB	36.39		0.9933	0.9935	+0.4	1.83E+05	1.27	1.27	54.4	3.10E+03	9.4
PCB-163/138/129 ...-HxCB	36.66	B C	1.0010	1.0007	-0.7	1.73E+06	1.23	0.96	679	3.10E+03	12.4
PCB-160 233'456-HxCB	ND		1.0046					1.21	ND	3.10E+03	9.88
PCB-158 233'44'6-HxCB	36.98		1.0097	1.0095	-0.4	2.28E+05	1.33	1.29	66.9	3.10E+03	9.29

Lab ID: B9935_21527_PCB_001-CU

ACQ: 17-Oct-2024 01:39:13 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #1

UTP: 22-Oct-2024 12:40:55 JLJ

J-level: 20 pg Split: 2

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RPT: 23-Oct-2024 11:15 JJ

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

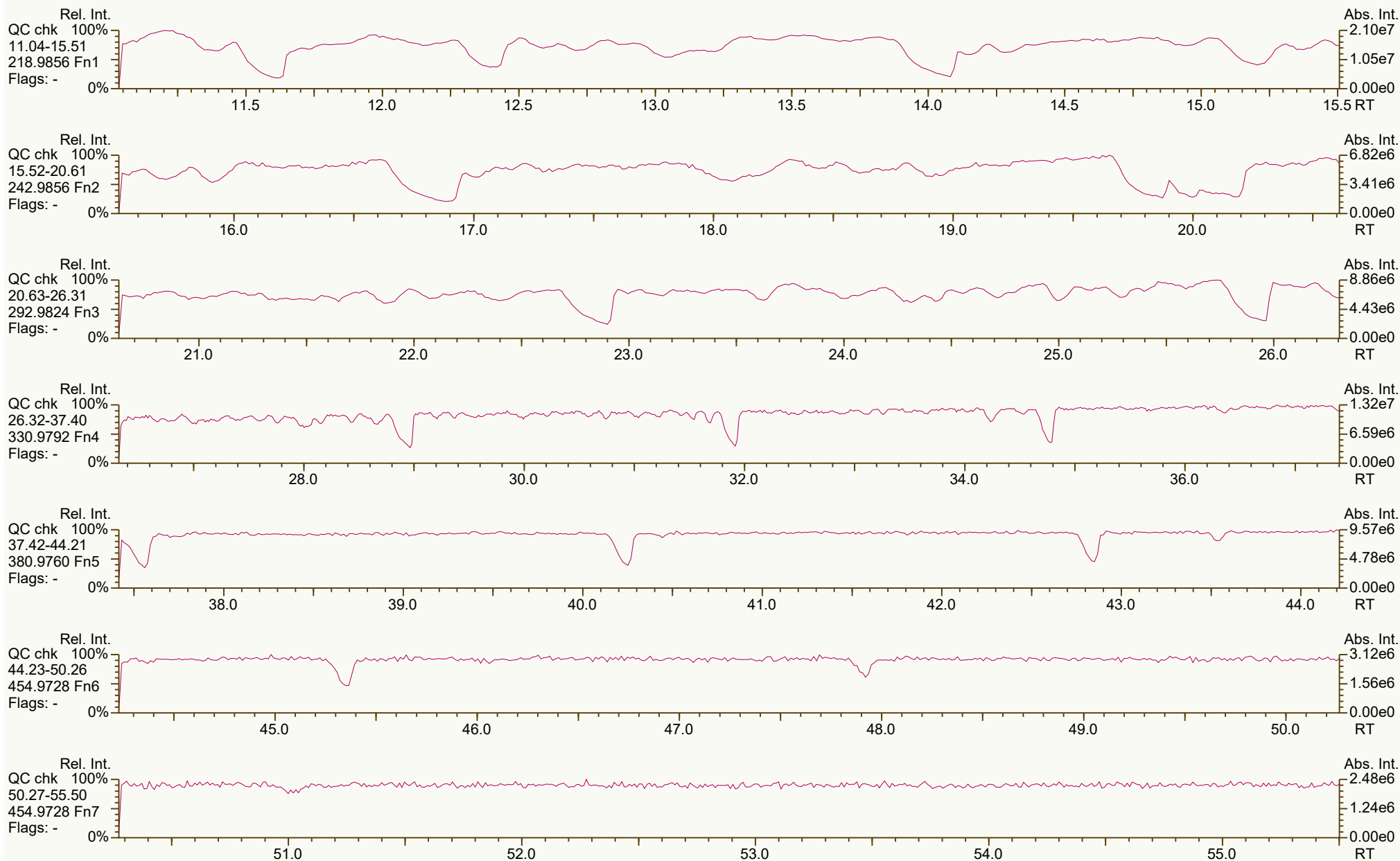
Method 1668C

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PCB-128/166 ...-HxCB	37.75	B C	0.9630	0.9637	+1.6	1.81E+05	1.10	0.92	63.4	7.35E+03	26.2
PCB-159 233'455'-HxCB	ND		0.9839					1.16	ND	7.35E+03	20.8
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	7.35E+03	25
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.44E+03	12.1
PCB-179 22'33'566'-HpCB	34.73		1.0097	1.0093	-0.8	2.11E+05	1.18	1.24	81.7	2.44E+03	9.41
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	2.44E+03	10.3
PCB-176 22'33'466'-HpCB	35.50	EMPC	1.0316	1.0318	+0.4	1.07E+05	1.41	1.05	48.8	2.44E+03	11.1
PCB-186 22'34566'-HpCB	ND		1.0431					1.22	ND	2.44E+03	9.54
PCB-178 22'33'55'6-HpCB	37.01	EMPC	1.0762	1.0756	-1.3	1.03E+05	1.21	0.79	62.8	2.44E+03	14.8
PCB-175 22'33'45'6-HpCB	ND		1.0921					1.00	ND	5.59E+03	25.4
PCB-187 22'34'55'6-HpCB	37.78		1.0988	1.0979	-2.0	8.87E+05	1.08	1.33	294	5.59E+03	19.1
PCB-182 22'344'56'-HpCB	ND		1.1037					1.32	ND	5.59E+03	19.3
PCB-183 22'344'5'6-HpCB	38.30		1.1139	1.1130	-2.1	4.41E+05	1.14	1.15	170	5.59E+03	22.2
PCB-185 22'3455'6-HpCB	38.40	EMPC	1.1168	1.1159	-2.1	5.94E+04	1.61	1.03	25.5	5.59E+03	24.7
PCB-174 22'33'456'-HpCB	38.51		1.1203	1.1192	-2.5	6.12E+05	1.00	1.11	244	5.59E+03	22.9
PCB-177 22'33'45'6'-HpCB	38.88	EMPC	1.1313	1.1301	-2.8	2.07E+05	1.43	1.09	83.9	5.59E+03	23.3
PCB-181 22'344'56-HpCB	ND		1.1410					1.15	ND	5.59E+03	22.2
PCB-171/173 ...-HpCB	39.41	C	1.1467	1.1453	-3.3	1.42E+05	1.06	0.99	63.6	5.59E+03	25.9
PCB-172 22'33'455'-HpCB	40.76	EMPC	0.9053	0.9057	+1.0	6.52E+04	1.51	0.95	30.3	5.59E+03	26.8
PCB-192 233'455'6-HpCB	ND		0.9108					1.34	ND	5.59E+03	19
PCB-180/193 ...-HpCB	41.32	B EMPC C	0.9170	0.9180	+2.5	8.85E+05	1.20	1.13	347	5.59E+03	22.6
PCB-191 233'44'5'6-HpCB	ND		0.9243					1.16	ND	5.59E+03	22
PCB-170 22'33'44'5-HpCB	42.40	EMPC	0.9419	0.9420	+0.3	1.92E+05	0.83	1.03	96.2	5.59E+03	31.1
PCB-190 233'44'56-HpCB	ND		0.9518					1.41	ND	5.59E+03	22.7
PCB-202 22'33'55'66'-OcCB	38.96	EMPC	1.0005	1.0005	0	5.76E+04	0.62	0.96	26.9	3.15E+03	15.3
PCB-201 22'33'45'66'-OcCB	39.74		1.0207	1.0205	-0.5	4.63E+04	0.88	0.90	23	3.15E+03	16.3
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	3.15E+03	14.1
PCB-197 22'33'44'66'-OcCB	ND		1.0404					0.97	ND	3.15E+03	15.2
PCB-200 22'33'4566'-OcCB	ND		1.0433					0.88	ND	3.15E+03	16.7
PCB-198/199 ...-OcCB	42.97	C	1.1034	1.1033	-0.3	1.53E+05	0.85	0.74	92.8	3.15E+03	19.8
PCB-196 22'33'44'56'-OcCB	43.51	EMPC	1.1182	1.1174	-2.1	6.80E+04	1.11	0.63	48	3.15E+03	23.2
PCB-203 22'344'55'6-OcCB	43.67		1.1225	1.1215	-2.6	6.89E+04	0.95	0.77	39.9	3.15E+03	19
PCB-195 22'33'44'56-OcCB	44.83	EMPC	0.9494	0.9496	+0.5	3.95E+04	1.32	0.89	25.9	3.01E+03	21.5
PCB-194 22'33'44'55'-OcCB	46.80	EMPC	0.9913	0.9913	0	5.08E+04	1.55	0.87	33.9	3.01E+03	21.9
PCB-205 233'44'55'6-OcCB	ND		1.0004					0.92	ND	3.01E+03	20.7
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	7.14E+03	39.6
PCB-207 22'33'44'566'-NoCB	ND		1.0182					0.96	ND	7.14E+03	39.6
PCB-206 22'33'44'55'6-NoCB	ND		1.0005					0.93	ND	7.14E+03	88.9
AS PCB-32	20.047	V	1.2611	1.2699	+10.6	3.38E+06	0.96	0.84	45 %	50%	150%
AS PCB-97	30.695		1.0320	1.0315	-0.9	9.69E+06	1.70	0.85	93.2 %	50%	150%
AS PCB-159	38.528		1.0520	1.0517	-0.7	1.29E+07	1.25	1.16	112 %	50%	150%

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



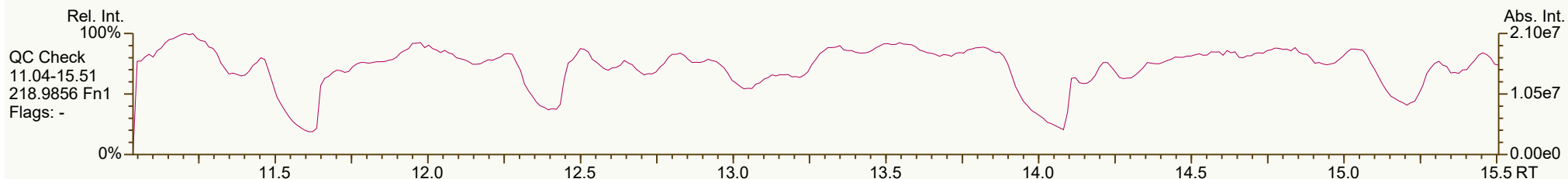
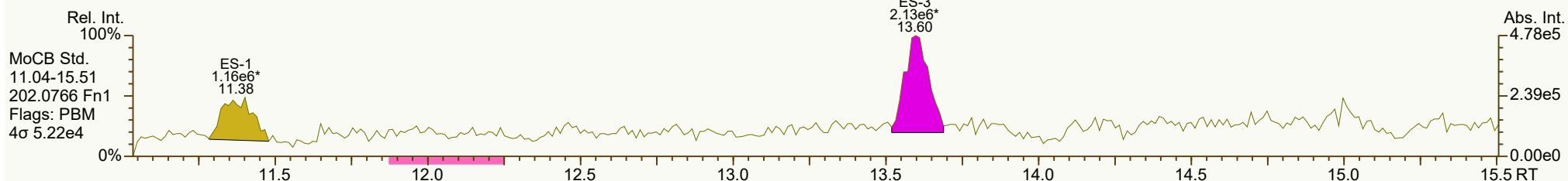
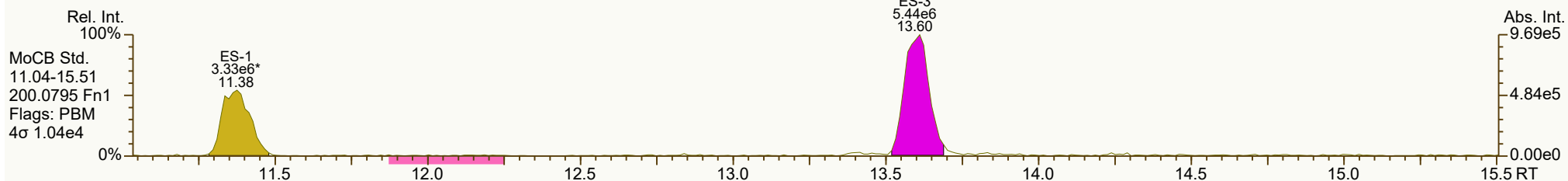
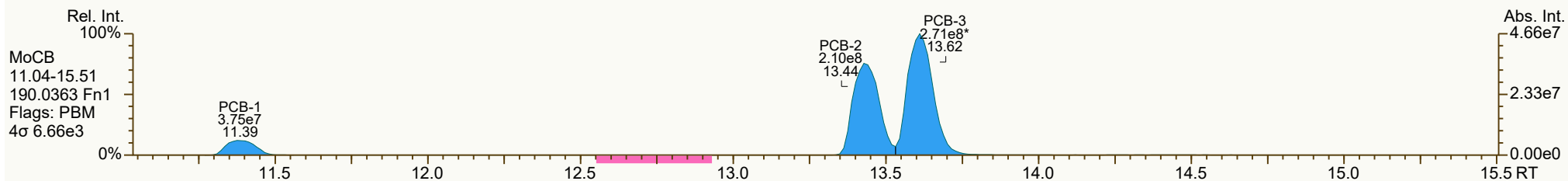
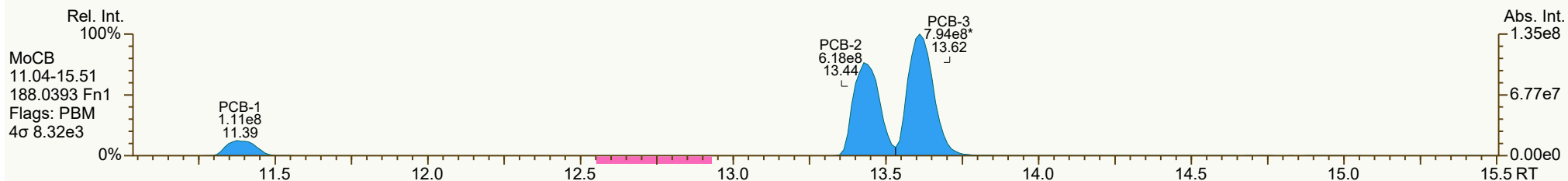
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 23-Oct-2024 11:12 Page 1 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
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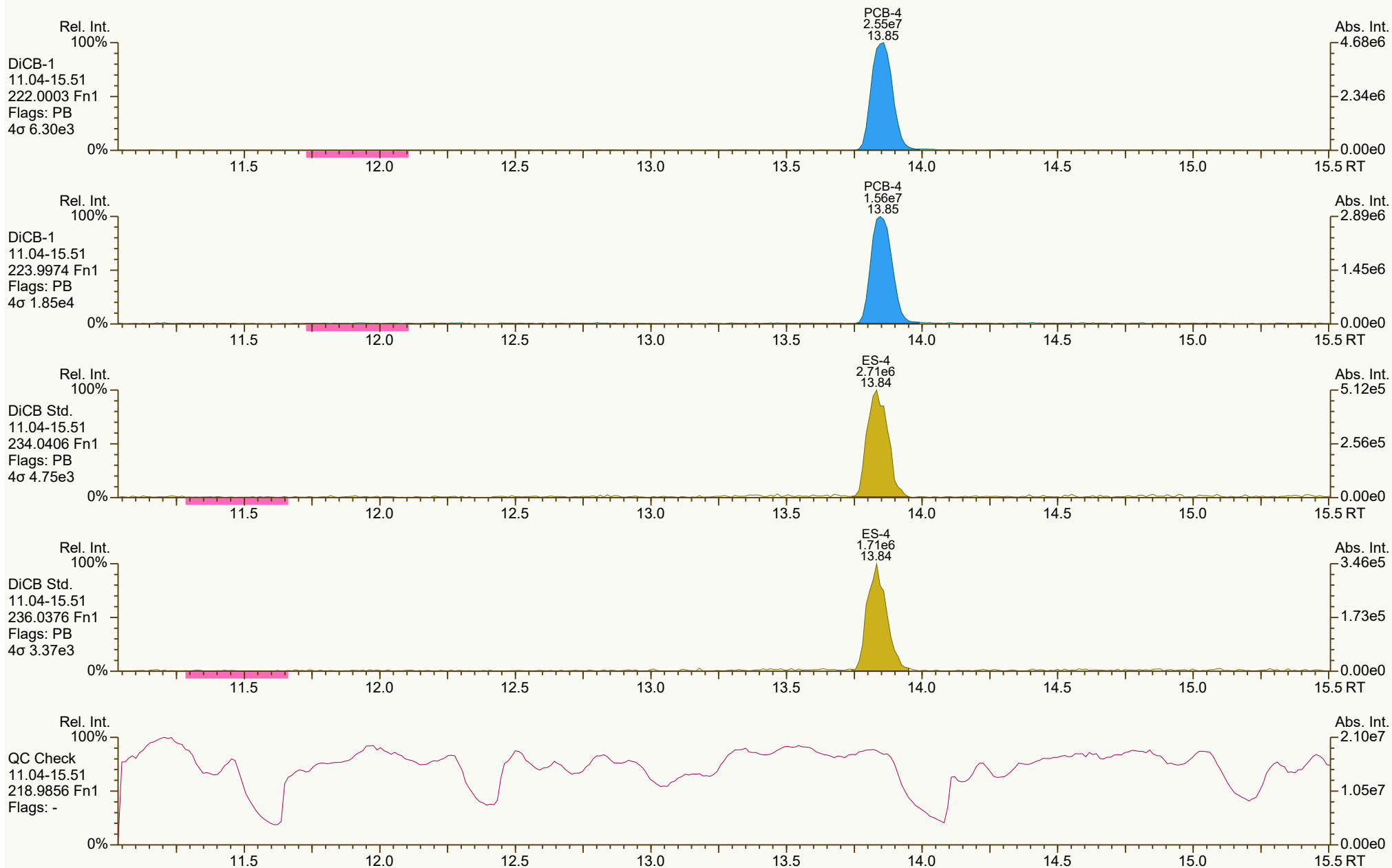
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:12 Page 2 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
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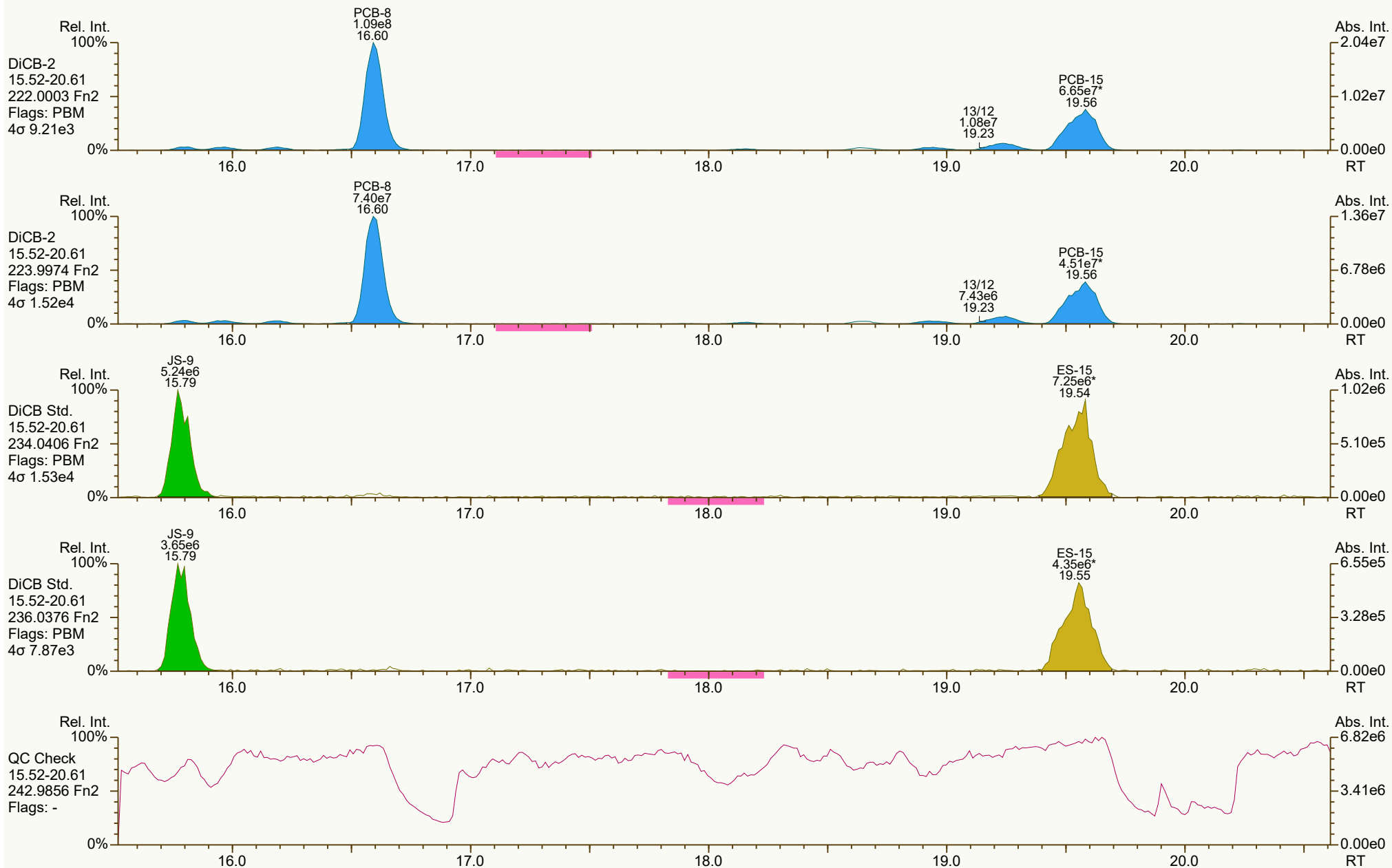
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 3 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
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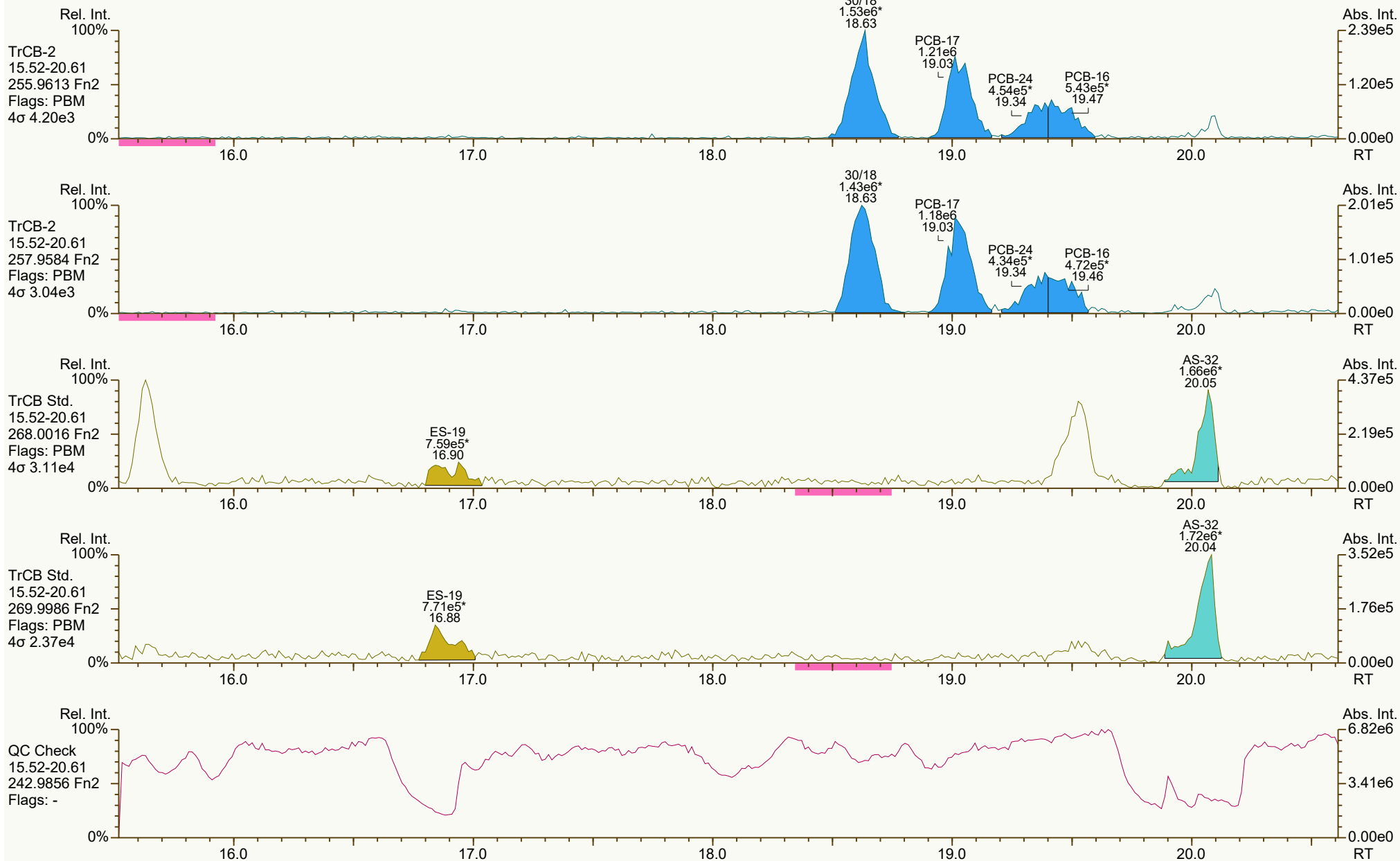
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 4 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

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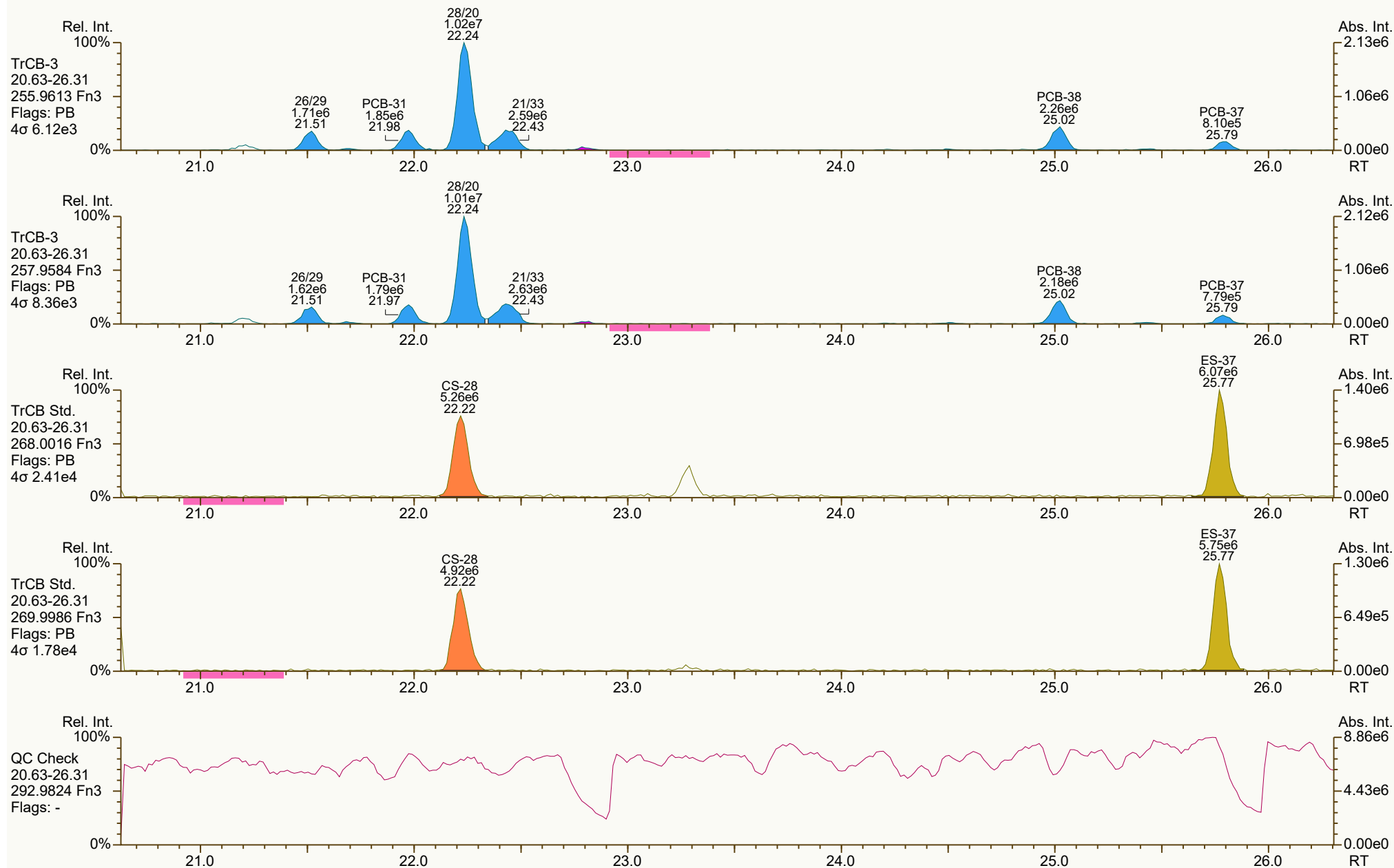
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Peak annotation: Areas, Centroids
Revised: 22-Oct-2024 12:40 (JLJ) Printed: 23-Oct-2024 11:13 Page 5 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
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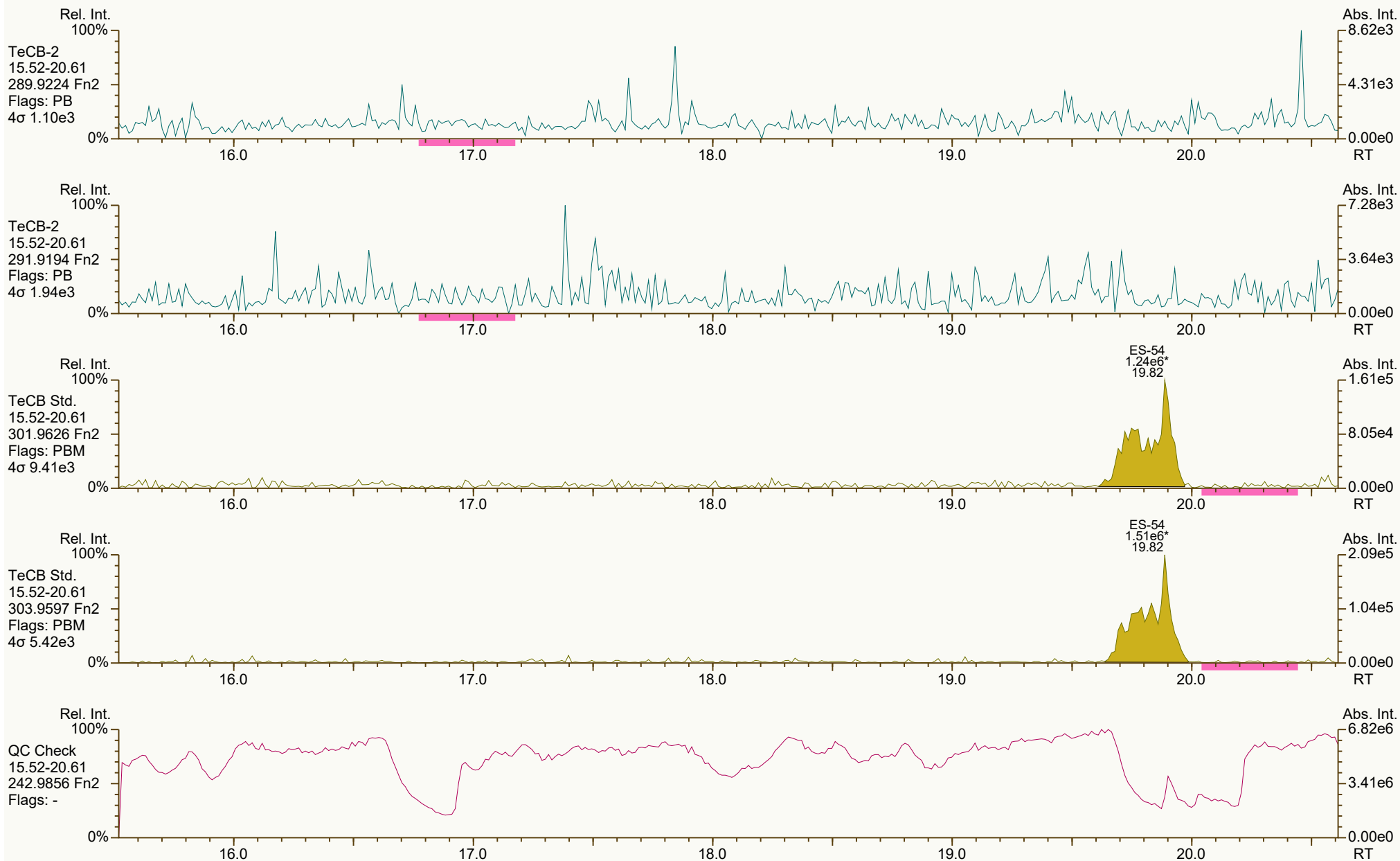
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:07 (JLJ) Printed: 23-Oct-2024 11:13 Page 6 of 21

SGS ID: B9935_21527_PCB_001-CU
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Sample ID: Test #1
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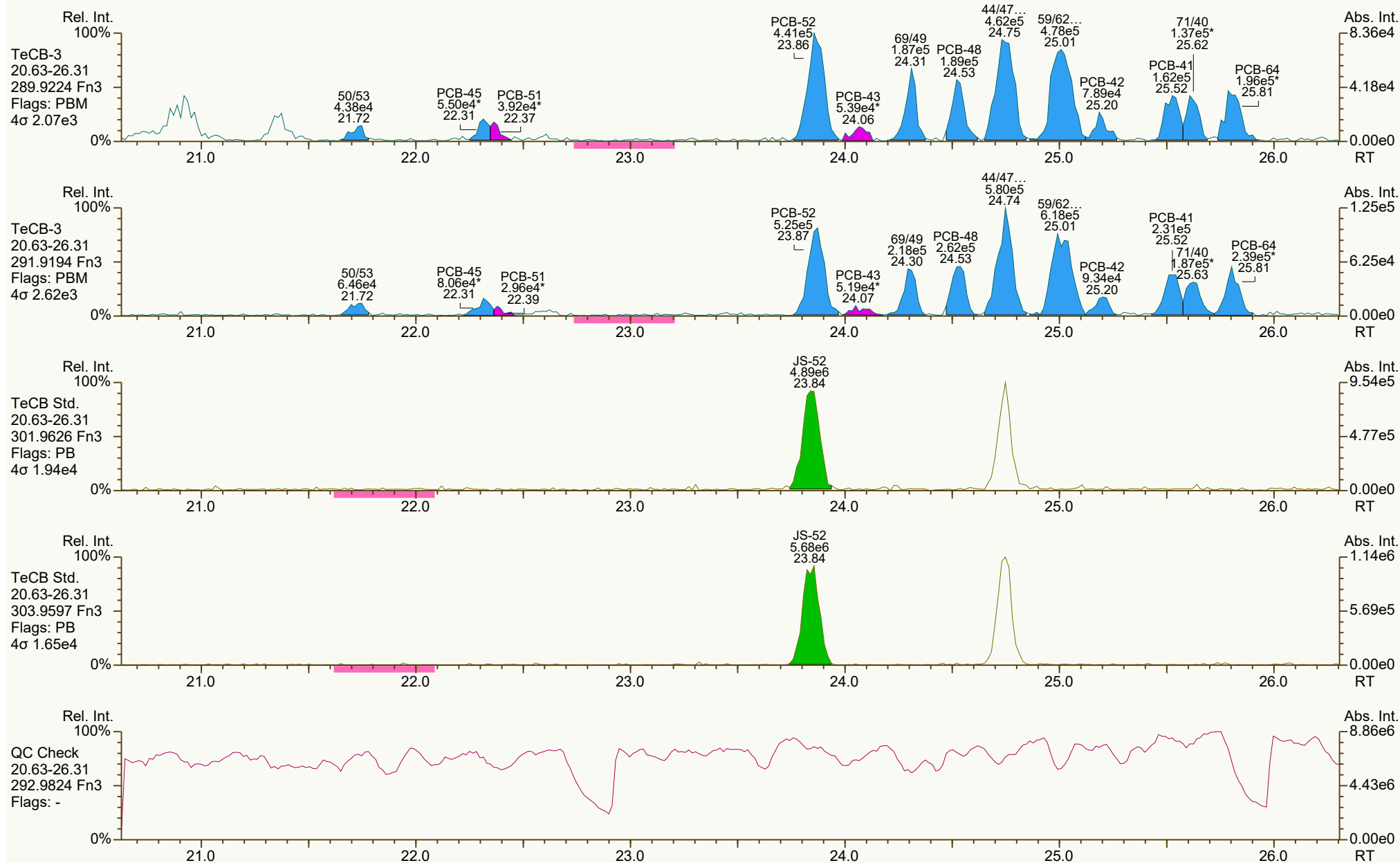
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1879, 6631 scc: 060-135

Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:56 (JLJ) Printed: 23-Oct-2024 11:13 Page 7 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0152, 9626 scc: 060-135

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:08 (JLJ) Printed: 23-Oct-2024 11:13 Page 8 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



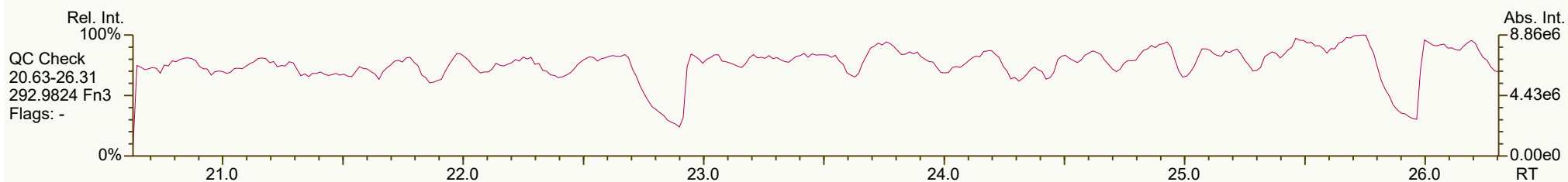
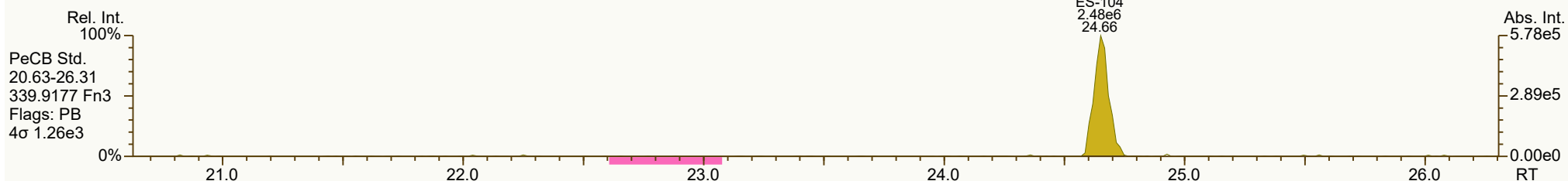
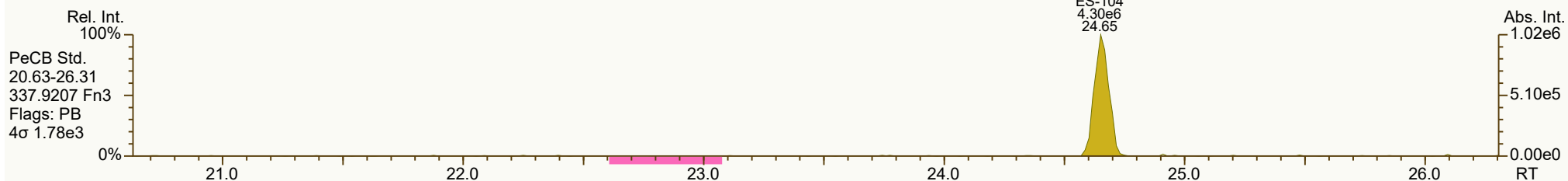
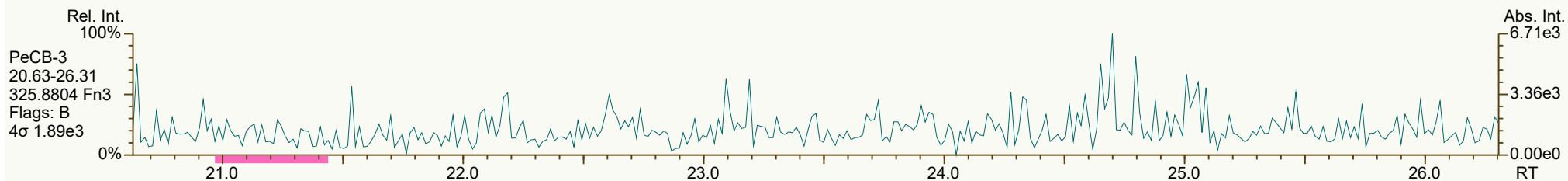
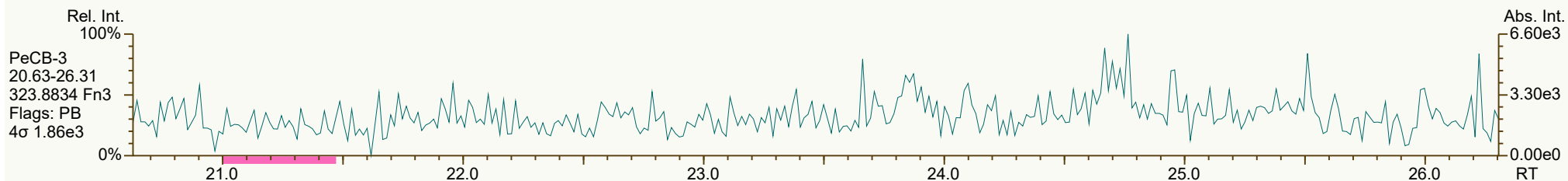
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 9 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_001-CU.utp_res, saved 22-Oct-2024 12:40 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6357, 6204 scc: 060-135

Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:54 (JLJ) Printed: 23-Oct-2024 11:13 Page 10 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



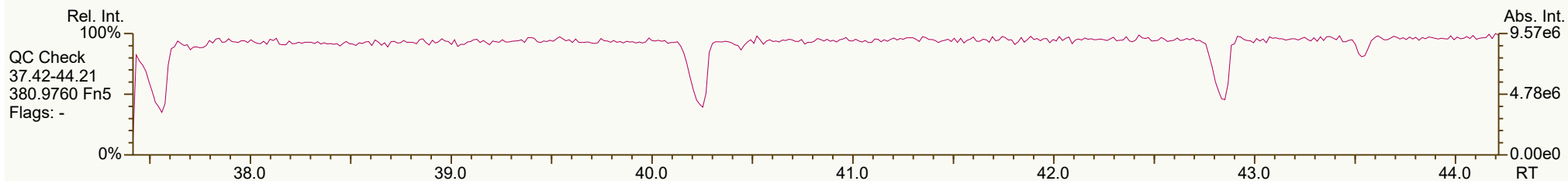
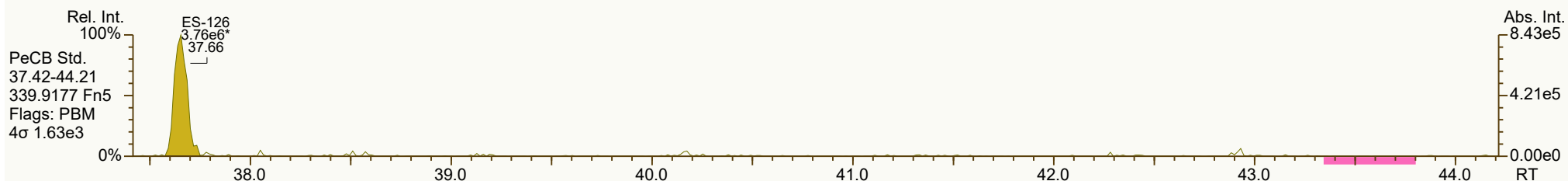
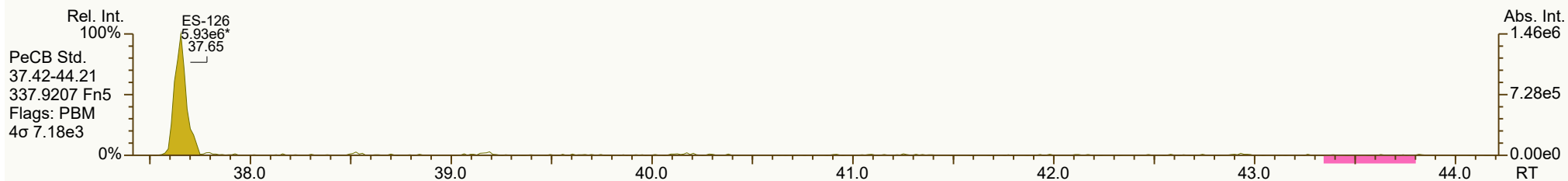
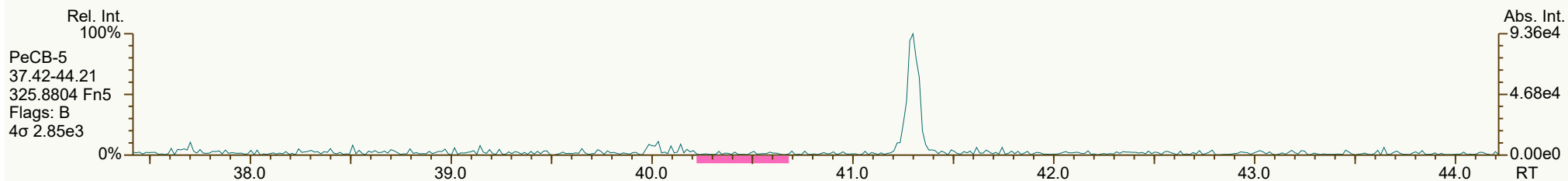
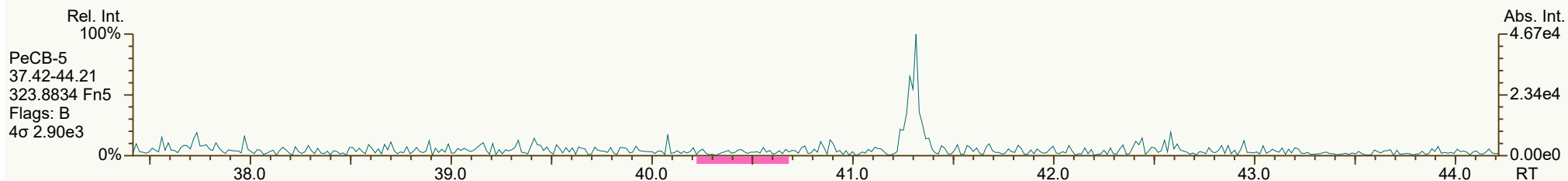
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:09 (JLJ) Printed: 23-Oct-2024 11:13 Page 11 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_001-CU.utp_res, saved 22-Oct-2024 12:40 (JLJ)
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:04 (JLJ) Printed: 23-Oct-2024 11:13 Page 12 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_001-CU.utp_res, saved 22-Oct-2024 12:40 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2163, 8105 scc: 060-135

Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 13 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8258, 3951 scc: 060-135

Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 14 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_001-CU.utp_res, saved 22-Oct-2024 12:40 (JLJ)
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 15 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



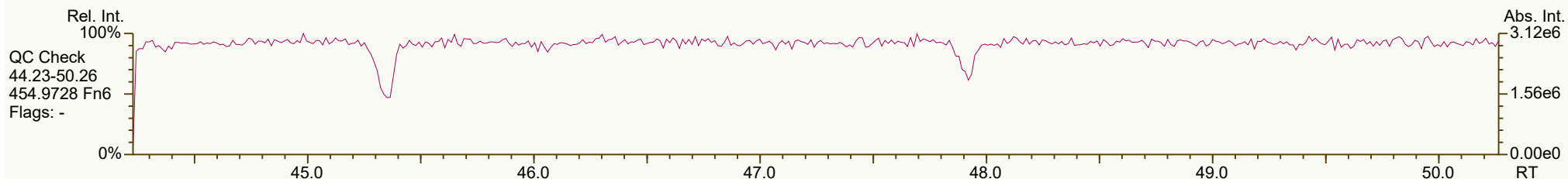
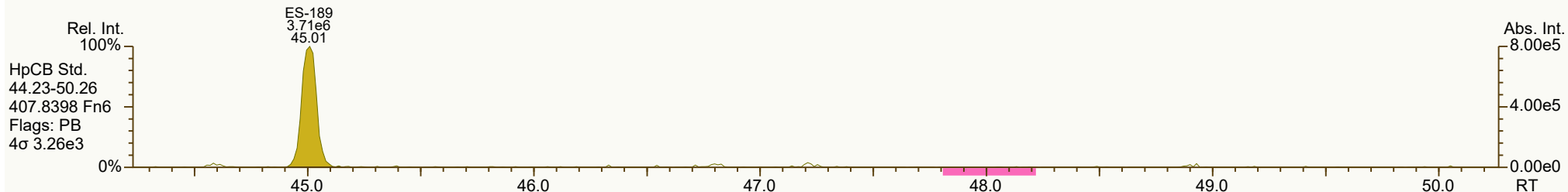
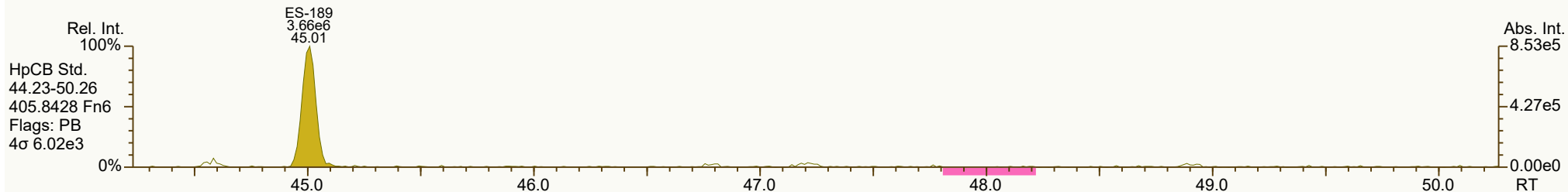
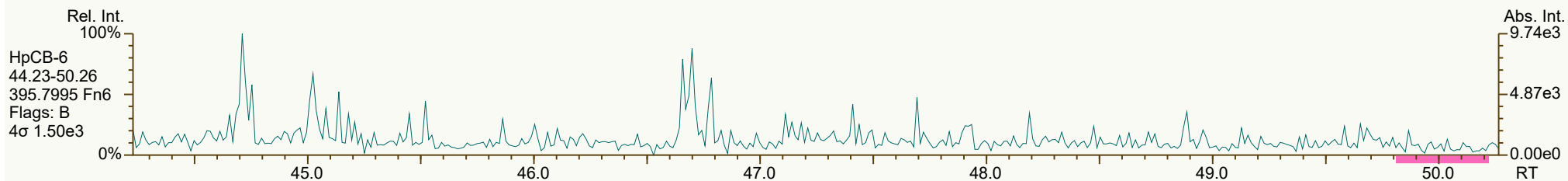
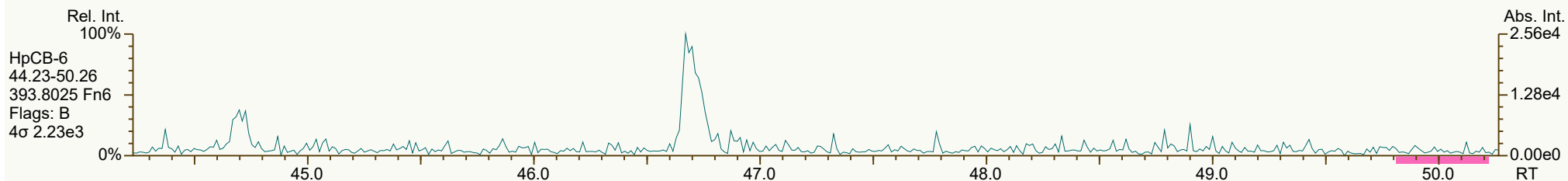
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 16 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 17 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
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User: JLJ Datafile: 241016B14



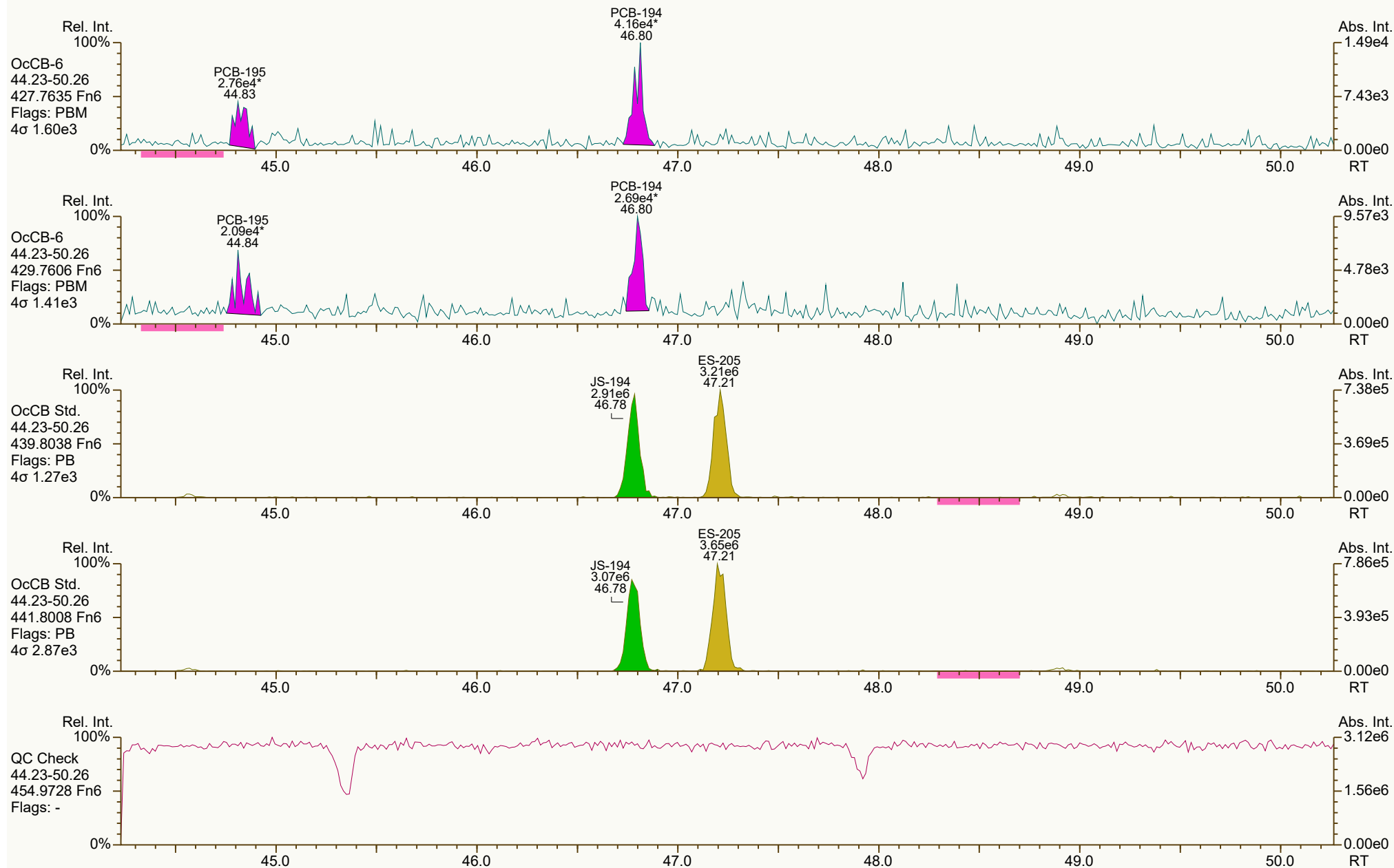
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 18 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
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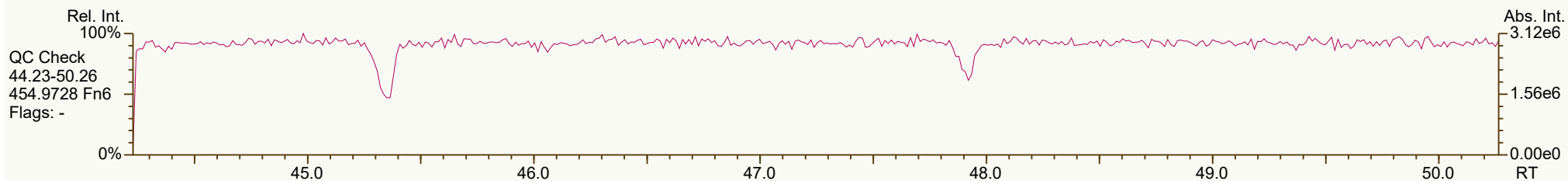
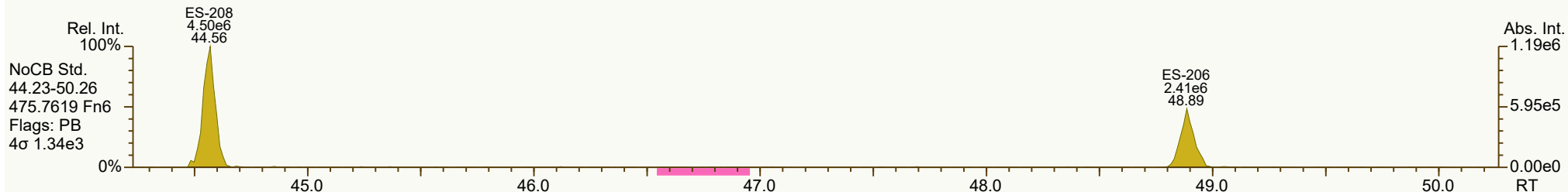
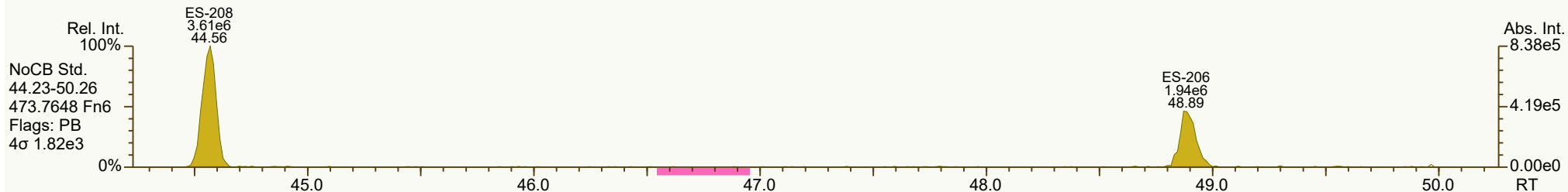
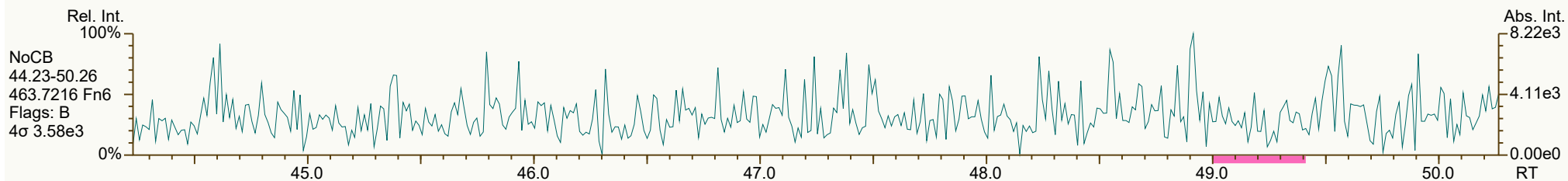
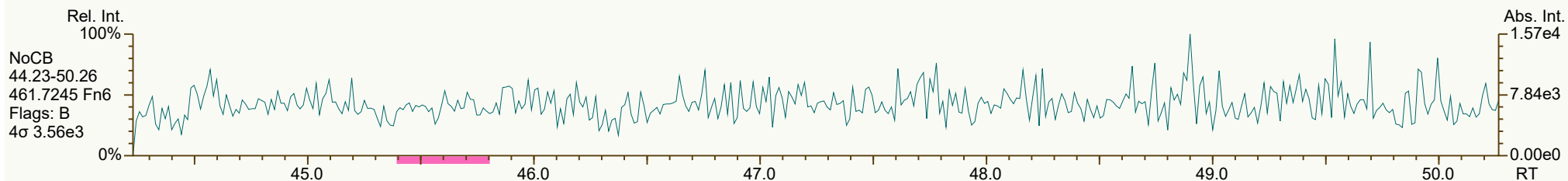
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:43 Printed: 23-Oct-2024 11:13 Page 19 of 21

SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

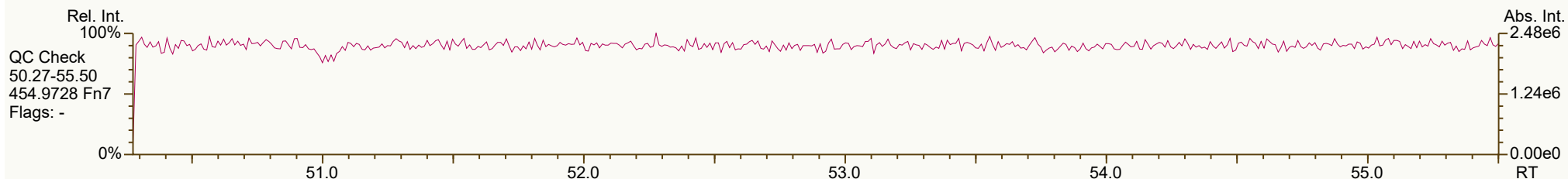
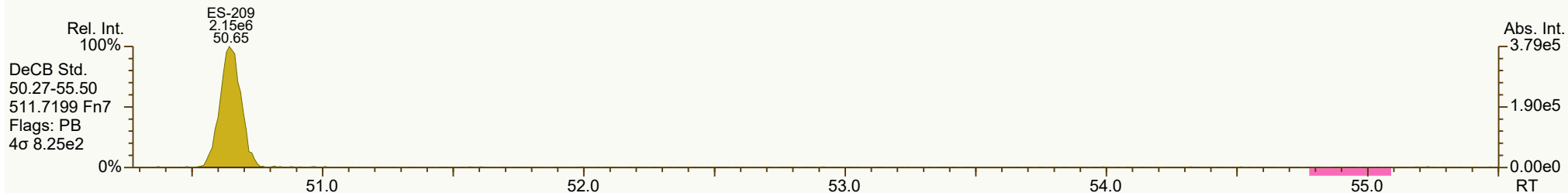
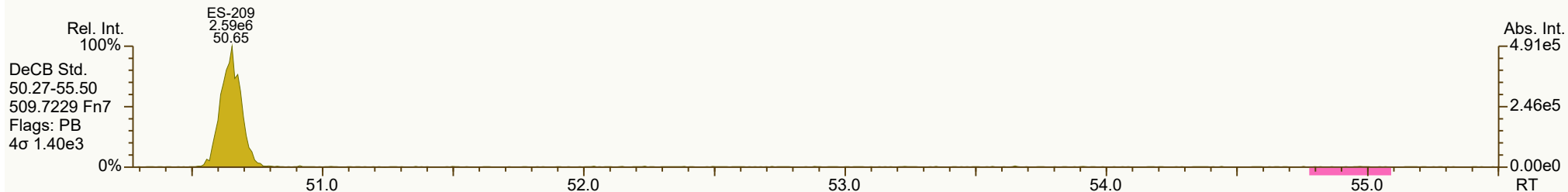
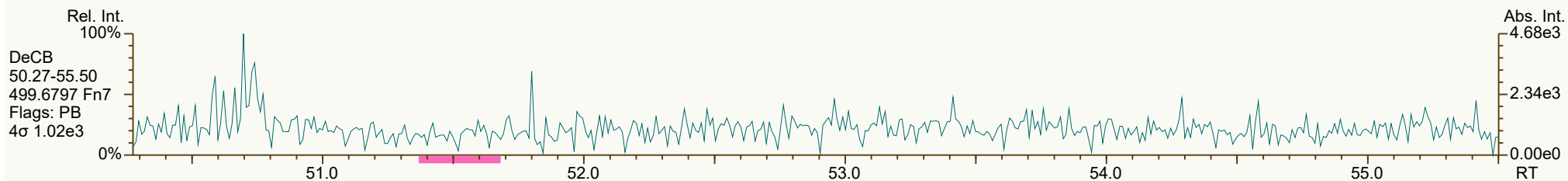
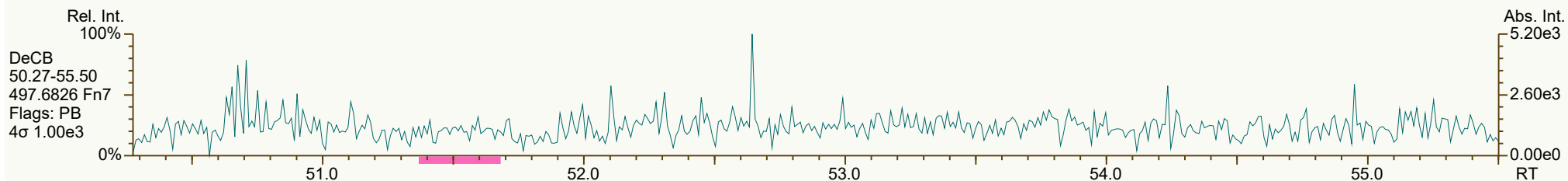
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User: JLJ Datafile: 241016B14



SGS ID: B9935_21527_PCB_001-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 11

Acq: 17-Oct-2024 01:39:13
User: JLJ Datafile: 241016B14



Lab ID: B9935_21527_PCB_002-CU

ACQ: 17-Oct-2024 02:37:56 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #2

UTP: 21-Oct-2024 15:33:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 560-054-VGN/C

Datafile: 241016B15

RPT: 23-Oct-2024 11:15 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	32.07		1.0006	1.0004	-0.4	1.89E+05	0.89	0.95	66.2	8.67E+03	35.6
PCB-81 344'5-TeCB	ND		1.0004					0.94	ND	8.67E+03	29.6
PCB-105 233'44'-PeCB	35.03	EMPC	1.0007	1.0008	+0.2	1.04E+06	0.81	0.97	349	7.84E+03	25.3
PCB-114 2344'5-PeCB	34.47	EMPC	1.0007	1.0008	+0.2	9.23E+04	0.43	0.96	31.6	7.84E+03	25.6
PCB-118 23'44'5-PeCB	34.01		1.0006	1.0006	0	2.40E+06	0.56	0.99	771	7.84E+03	25.7
PCB-123 23'44'5'-PeCB	ND		1.0006					0.96	ND	7.84E+03	29
PCB-126 33'44'5-PeCB	ND		1.0006					0.96	ND	6.97E+03	31.6
PCB-156/157 ...-HxCB	40.15	B EMPC C	1.0005	0.9999	-1.4	2.75E+05	1.53	0.96	125	6.00E+03	37.7
PCB-167 23'44'55'-HxCB	39.18		1.0006	1.0006	0	1.08E+05	1.26	0.94	42.5	6.00E+03	24.9
PCB-169 33'44'55'-HxCB	ND		1.0004					0.97	ND	6.00E+03	32.9
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.41E+03	25.1
PCB-209 DeCB	ND		1.0005					0.95	ND	2.30E+03	30.6
ES PCB-1	11.35		0.7218	0.7209	-0.6	5.10E+06	3.08	1.19	38 %	5%	145%
ES PCB-3	13.58		0.8630	0.8620	-0.8	7.54E+06	2.68	1.13	59.1 %	5%	145%
ES PCB-4	13.81		0.8776	0.8769	-0.6	4.67E+06	1.59	0.72	57.1 %	5%	145%
ES PCB-15	19.47		1.2360	1.2363	+0.4	1.12E+07	1.59	1.07	92.8 %	5%	145%
ES PCB-19	16.85		1.0690	1.0702	+1.2	2.10E+06	1.00	0.65	28.7 %	5%	145%
ES PCB-37	25.74		1.0835	1.0820	-2.3	1.18E+07	1.03	1.40	69.5 %	5%	145%
ES PCB-54	19.74		0.8281	0.8298	+2.0	2.47E+06	0.83	1.23	16.5 %	5%	145%
ES PCB-77	32.06		1.3507	1.3476	-6.0	1.20E+07	0.73	1.28	77.2 %	10%	145%
ES PCB-81	31.57		1.3299	1.3269	-5.7	1.20E+07	0.73	1.33	74.3 %	10%	145%
ES PCB-104	24.62		0.8269	0.8281	+1.8	5.96E+06	1.88	1.32	37.3 %	10%	145%
ES PCB-105	35.01		1.1790	1.1776	-2.9	1.24E+07	1.48	1.26	81.2 %	10%	145%
ES PCB-114	34.45		1.1600	1.1587	-2.7	1.21E+07	1.54	1.34	74.5 %	10%	145%
ES PCB-118	33.99		1.1443	1.1433	-2.0	1.26E+07	1.53	1.31	79.4 %	10%	145%
ES PCB-123	33.71		1.1347	1.1339	-1.6	1.26E+07	1.45	1.27	81.9 %	10%	145%
ES PCB-126	37.64		1.2681	1.2662	-4.3	8.86E+06	1.61	1.19	61.6 %	10%	145%
ES PCB-153	35.54		0.9704	0.9706	+0.4	9.36E+06	1.25	1.11	82.7 %	10%	145%
ES PCB-155	29.52		0.8048	0.8060	+2.1	1.08E+07	1.42	1.45	73.5 %	10%	145%
ES PCB-156/157	40.15	C	1.0972	1.0965	-1.7	1.83E+07	1.29	1.24	72.6 %	10%	145%
ES PCB-167	39.16		1.0697	1.0694	-0.7	1.09E+07	1.27	1.29	83.3 %	10%	145%
ES PCB-169	42.91		1.1725	1.1718	-1.8	8.59E+06	1.17	1.18	71.5 %	10%	145%
ES PCB-170	42.37		0.9057	0.9059	+0.5	6.34E+06	1.11	1.06	103 %	10%	145%
ES PCB-180	41.29		0.8824	0.8827	+0.7	8.10E+06	1.12	1.25	111 %	10%	145%
ES PCB-188	34.39		0.9388	0.9391	+0.6	7.33E+06	1.12	1.36	53 %	10%	145%
ES PCB-189	45.00		0.9620	0.9621	+0.3	6.29E+06	1.04	1.37	78.9 %	10%	145%
ES PCB-202	38.93		1.0636	1.0631	-1.2	7.41E+06	0.91	1.19	61.1 %	10%	145%
ES PCB-205	47.21		1.0092	1.0092	0	6.00E+06	0.87	1.23	83.9 %	10%	145%
ES PCB-206	48.89		1.0452	1.0452	0	3.97E+06	0.81	0.89	77 %	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	44.56		0.9526	0.9526	0	7.08E+06	0.75	1.26	97 %	10%	145%
ES PCB-209	50.65		1.0828	1.0827	-0.3	4.10E+06	1.17	0.98	71.7 %	10%	145%
SS PCB-28	22.18		0.9322	0.9322	0	1.08E+07	0.99	1.04	88.1 %	5%	145%
SS PCB-111	32.02		1.0775	1.0771	-0.8	1.21E+07	1.54	0.98	97.9 %	10%	145%
SS PCB-178	36.97		1.0098	1.0097	-0.2	5.01E+06	1.14	0.71	96.5 %	10%	145%
CS PCB-28	22.18		0.9322	0.9322	0	1.08E+07	0.99	1.44	61.6 %	5%	145%
CS PCB-111	32.02		1.0775	1.0771	-0.8	1.21E+07	1.54	1.24	80.5 %	10%	145%
CS PCB-178	36.97		1.0098	1.0097	-0.2	5.01E+06	1.14	0.96	51.2 %	10%	145%
JS PCB-9	15.75					1.13E+07	1.59				
JS PCB-52	23.79					1.22E+07	0.81				
JS PCB-101	29.73					1.21E+07	1.65				
JS PCB-138	36.62					1.02E+07	1.30				
JS PCB-194	46.78					5.81E+06	0.96				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	808,000	808,000	102		
						Di-CB	146,000	146,000	97.6		
						Tri-CB	23,700	23,800	83.9		
						Tetra-CB	4,660	4,870	34		
						Penta-CB	6,150	7,090	28.3		
						Hexa-CB	10,400	10,900	28.3		
						Hepta-CB	4,110	4,610	24.4		
						Octa-CB	441	677	17.5		
						Nona-CB	0	0	53.2		

Lab ID: B9935_21527_PCB_002-CU

ACQ: 17-Oct-2024 02:37:56 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #2

UTP: 21-Oct-2024 15:33:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 560-054-VGN/C

Datafile: 241016B15

RPT: 23-Oct-2024 11:15 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	11.37		1.0012	1.0012	0	9.59E+07	2.89	1.01	74,700	1.35E+04	128
PCB-2 3-MoCB	13.41	E	0.9879	0.9879	0	4.88E+08	2.93	0.87	296,000	1.35E+04	86.8
PCB-3 4-MoCB	13.59	E	1.0009	1.0011	+0.2	8.36E+08	2.92	1.01	437,000	1.35E+04	74.7
PCB-4 22'-DiCB	13.83		1.0010	1.0012	+0.2	3.42E+07	1.57	0.98	29,800	1.41E+04	126
PCB-10 26-DiCB	13.98		1.0134	1.0124	-0.8	2.06E+05	SI	1.62	109	1.41E+04	76.5
PCB-9 25-DiCB	15.76		1.0011	1.0009	-0.2	5.03E+06	1.52	0.78	2,300	1.39E+04	86
PCB-7 24-DiCB	15.93		1.0114	1.0113	-0.1	4.92E+06	1.42	0.72	2,440	1.39E+04	93.2
PCB-6 23'-DiCB	16.15		1.0263	1.0256	-0.7	4.79E+06	1.46	0.84	2,030	1.39E+04	79.8
PCB-5 23-DiCB	16.44		1.0448	1.0436	-1.2	1.35E+06	1.71	0.68	703	1.39E+04	98
PCB-8 24'-DiCB	16.56		1.0524	1.0517	-0.7	1.40E+08	1.46	0.89	56,200	1.39E+04	75.5
PCB-14 35-DiCB	18.10		0.9303	0.9298	-0.5	2.32E+06	1.55	0.72	1,150	1.39E+04	93.3
PCB-11 33'-DiCB	18.89	B	0.9710	0.9703	-0.8	8.65E+06	1.55	0.78	3,930	1.39E+04	85.4
PCB-13/12 34'/34-DiCB	19.18	C	0.9857	0.9850	-0.8	2.16E+07	1.47	0.71	10,800	1.39E+04	93.9
PCB-15 44'-DiCB	19.49		1.0006	1.0008	+0.2	9.80E+07	1.46	0.97	36,100	1.39E+04	69.3
PCB-19 22'6-TrCB	16.87	EMPC	1.0011	1.0010	-0.1	3.13E+04	1.88	1.03	57.7	7.39E+03	127
PCB-30/18 246/22'5-TrCB	18.59	C	1.1033	1.1028	-0.6	3.08E+06	0.99	1.62	3,610	7.39E+03	80.8
PCB-17 22'4-TrCB	18.98		1.1274	1.1264	-1.1	2.32E+06	1.06	1.11	3,990	7.39E+03	118
PCB-27 23'6-TrCB	19.17		1.1392	1.1373	-2.2	1.81E+05	0.97	1.52	227	7.39E+03	86.1
PCB-24 236-TrCB	19.30		1.1465	1.1451	-1.6	7.62E+05	1.06	1.55	934	7.39E+03	84.4
PCB-16 22'3-TrCB	19.41		1.1530	1.1516	-1.6	1.08E+06	1.09	1.16	1,790	7.39E+03	113
PCB-32 24'6-TrCB	19.94		1.1809	1.1832	+2.8	5.44E+05	1.03	1.73	600	7.39E+03	75.9
PCB-34 23'5'-TrCB	ND		0.8151					0.91	ND	1.27E+04	46.7
PCB-23 235-TrCB	21.16		0.8205	0.8220	+1.9	8.28E+05	0.97	0.98	285	1.27E+04	43.2
PCB-26/29 23'5/245-TrCB	21.46	C	0.8319	0.8338	+2.4	3.21E+06	1.02	0.96	1,130	1.27E+04	44.2
PCB-25 23'4-TrCB	21.65		0.8398	0.8411	+1.7	3.48E+05	0.97	1.18	99.6	1.27E+04	35.9
PCB-31 24'5-TrCB	21.93		0.8507	0.8520	+1.7	4.28E+06	1.05	1.15	1,260	1.27E+04	37
PCB-28/20 244'/233'-TrCB	22.20	C	0.8616	0.8623	+0.9	1.78E+07	1.02	1.04	5,760	1.27E+04	40.7
PCB-21/33 234/23'4'-TrCB	22.40	C	0.8685	0.8700	+2.0	5.10E+06	1.00	1.03	1,670	1.27E+04	41.1
PCB-22 234'-TrCB	22.76	B	0.8838	0.8843	+0.7	5.63E+05	0.99	1.11	171	1.27E+04	38.2
PCB-36 33'5-TrCB	24.15	EMPC	0.9373	0.9381	+1.2	1.39E+05	1.33	1.11	42.1	1.27E+04	38.1
PCB-39 34'5-TrCB	24.47	EMPC	0.9499	0.9505	+0.9	1.60E+05	0.80	1.00	54.2	1.27E+04	42.6
PCB-38 345-TrCB	24.98		0.9699	0.9704	+0.7	3.89E+06	1.06	1.02	1,290	1.27E+04	41.7
PCB-35 33'4-TrCB	25.40		0.9865	0.9867	+0.3	6.09E+05	0.98	0.97	212	1.27E+04	43.9
PCB-37 344'-TrCB	25.76		1.0008	1.0007	-0.2	1.95E+06	1.02	1.03	636	1.27E+04	41.1
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.33E+03	72.8
PCB-50/53 22'46/22'56'-TeCB	21.68	C	0.9114	0.9112	-0.3	1.62E+05	0.73	0.91	59.2	4.71E+03	16.6
PCB-45 22'36-TeCB	22.27		0.9363	0.9362	-0.1	1.96E+05	0.77	0.63	103	4.71E+03	23.9
PCB-51 22'46'-TeCB	22.36	J B EMPC	0.9389	0.9399	+1.3	6.10E+04	1.10	1.06	19.3	4.71E+03	14.4
PCB-46 22'36'-TeCB	22.56		0.9486	0.9484	-0.3	6.53E+04	0.80	0.73	29.9	4.71E+03	20.8
PCB-52 22'55'-TeCB	23.82	B	1.0009	1.0010	+0.1	1.92E+06	0.74	0.97	659	4.71E+03	15.6
PCB-73 23'5'6-TeCB	ND		1.0059					1.21	ND	4.71E+03	12.6

Lab ID: B9935_21527_PCB_002-CU

ACQ: 17-Oct-2024 02:37:56 JLJ

Wt/Vol: 1

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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	EMPC	1.0098	1.0098	0	9.58E+04	1.02	0.91	35	4.71E+03	16.6
PCB-69/49 23'46/22'45'-TeCB	24.25	B C	1.0180	1.0191	+1.6	7.79E+05	0.83	1.03	252	4.71E+03	14.7
PCB-48 22'45'-TeCB	24.49		1.0298	1.0292	-0.9	4.48E+05	0.80	0.86	174	4.71E+03	17.6
PCB-44/47/65 ...-TeCB	24.70	B C	1.0391	1.0383	-1.2	1.73E+06	0.82	0.99	584	4.71E+03	15.4
PCB-59/62/75 ...-TeCB	24.97	C	1.0505	1.0496	-1.3	9.77E+05	0.75	1.12	291	4.71E+03	13.6
PCB-42 22'34'-TeCB	25.15		1.0582	1.0571	-1.7	2.69E+05	0.87	0.79	114	4.71E+03	19.2
PCB-41 22'34'-TeCB	25.49		1.0722	1.0712	-1.5	3.48E+05	0.86	0.65	178	4.71E+03	23.2
PCB-71/40 23'4'6/22'33'-TeCB	25.58	B C	1.0764	1.0753	-1.7	4.74E+05	0.86	0.96	164	4.71E+03	15.8
PCB-64 234'6'-TeCB	25.78	B	1.0848	1.0835	-2.0	6.76E+05	0.81	1.15	196	4.71E+03	13.2
PCB-72 23'55'-TeCB	ND		0.8381					0.91	ND	8.67E+03	30.6
PCB-68 23'45'-TeCB	26.74	EMPC	0.8462	0.8471	+1.4	8.30E+04	0.94	0.88	31.5	8.67E+03	31.8
PCB-57 233'5'-TeCB	ND		0.8580					0.93	ND	8.67E+03	30
PCB-58 233'5'-TeCB	27.25	EMPC	0.8647	0.8630	-2.8	8.97E+04	0.60	1.04	28.7	8.67E+03	26.8
PCB-67 23'45'-TeCB	ND		0.8694					1.08	ND	8.67E+03	25.8
PCB-63 234'5'-TeCB	27.72	EMPC	0.8767	0.8780	+2.2	2.40E+05	0.60	0.85	94	8.67E+03	32.8
PCB-61/70/74/76 ...-TeCB	28.02	C	0.8859	0.8875	+2.7	3.39E+06	0.76	0.97	1,170	8.67E+03	28.8
PCB-66 23'44'-TeCB	28.29		0.8952	0.8961	+1.5	9.32E+05	0.78	0.98	316	8.67E+03	28.4
PCB-55 233'4'-TeCB	ND		0.9000					1.01	ND	8.67E+03	27.8
PCB-56 233'4'-TeCB	28.88		0.9140	0.9146	+1.0	2.36E+05	0.73	0.96	82.1	8.67E+03	29.1
PCB-60 2344'-TeCB	29.07		0.9200	0.9208	+1.4	5.62E+05	0.77	0.83	227	8.67E+03	33.8
PCB-80 33'55'-TeCB	ND		0.9301					0.95	ND	8.67E+03	29.3
PCB-79 33'45'-TeCB	ND		0.9729					1.03	ND	8.67E+03	27.1
PCB-78 33'45'-TeCB	ND		0.9882					0.85	ND	8.67E+03	32.7
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	4.90E+03	33
PCB-96 22'366'-PeCB	ND		1.0150					1.11	ND	4.90E+03	29.6
PCB-103 22'45'6'-PeCB	ND		0.8954					0.84	ND	7.84E+03	33
PCB-94 22'356'-PeCB	ND		0.9023					0.71	ND	7.84E+03	39
PCB-95 22'35'6'-PeCB	27.23		0.9156	0.9160	+0.7	3.42E+06	0.67	0.80	1,360	7.84E+03	34.8
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9218					0.79	ND	7.84E+03	35.1
PCB-102 22'456'-PeCB	ND		0.9258					0.92	ND	7.84E+03	30.3
PCB-98 22'34'6'-PeCB	ND		0.9280					0.92	ND	7.84E+03	30.2
PCB-88 22'346'-PeCB	ND		0.9382					0.76	ND	7.84E+03	36.4
PCB-91 22'34'6'-PeCB	27.97	EMPC	0.9409	0.9407	-0.3	2.28E+05	0.82	0.80	91	7.84E+03	34.9
PCB-84 22'33'6'-PeCB	28.19	B EMPC	0.9478	0.9484	+1.0	4.56E+05	0.73	0.67	215	7.84E+03	41.2
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	7.84E+03	34.5
PCB-121 23'45'6'-PeCB	ND		0.9723					1.20	ND	7.84E+03	23.1
PCB-92 22'355'-PeCB	29.25		0.9838	0.9839	+0.2	5.33E+05	0.62	0.76	224	7.84E+03	36.8
PCB-113/90/101 ...-PeCB	29.75	C	1.0000	1.0008	+1.4	4.51E+06	0.60	0.88	1,620	7.84E+03	31.5
PCB-83 22'33'5'-PeCB	30.16	EMPC	1.0150	1.0147	-0.5	1.19E+05	0.76	0.63	60.1	7.84E+03	44.2
PCB-99 22'44'5'-PeCB	30.25		1.0176	1.0175	-0.2	1.01E+06	0.56	1.01	317	7.84E+03	27.4
PCB-112 233'56'-PeCB	ND		1.0214					1.30	ND	7.84E+03	21.3

Lab ID: B9935_21527_PCB_002-CU

ACQ: 17-Oct-2024 02:37:56 JLJ

Wt/Vol: 1

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RPT: 23-Oct-2024 11:15 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	30.74	C	1.0331	1.0341	+1.8	1.86E+06	0.61	0.95	626	7.84E+03	29.4
PCB-117 234'56-PeCB	31.24	J EMPC	1.0511	1.0509	-0.4	6.31E+04	0.48	1.01	19.8	7.84E+03	27.4
PCB-116/85 23456/22'344'-PeCB	31.32	B EMPC C	1.0540	1.0534	-1.1	3.00E+05	0.46	0.87	110	7.84E+03	32.1
PCB-110 233'4'6-PeCB	31.46		1.0586	1.0583	-0.6	3.70E+06	0.60	1.05	1,120	7.84E+03	26.6
PCB-115 2344'6-PeCB	ND		1.0608					1.30	ND	7.84E+03	21.3
PCB-82 22'33'4-PeCB	31.74	EMPC	1.0684	1.0677	-1.3	1.67E+05	0.90	0.76	69.9	7.84E+03	36.7
PCB-111 233'55'-PeCB	ND		1.0783					1.03	ND	7.84E+03	26.9
PCB-120 23'455'-PeCB	ND		1.0918					1.23	ND	7.84E+03	22.5
PCB-108/124 ...-PeCB	33.42	C	0.9915	0.9915	0	1.35E+05	0.57	0.98	43.9	7.84E+03	28.5
PCB-107 233'4'5-PeCB	33.63		0.9977	0.9978	+0.2	1.91E+05	0.58	1.10	55.5	7.84E+03	25.4
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	7.84E+03	26.4
PCB-122 233'4'5'-PeCB	ND		1.0096					0.83	ND	7.84E+03	29.6
PCB-127 33'455'-PeCB	ND		1.0360					1.02	ND	7.84E+03	24.1
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	4.50E+03	17.7
PCB-152 22'3566'-HxCB	ND		1.0075					1.15	ND	4.50E+03	14.8
PCB-150 22'34'66'-HxCB	ND		1.0120					1.01	ND	4.50E+03	16.7
PCB-136 22'33'66'-HxCB	30.19		1.0233	1.0230	-0.5	1.42E+06	1.22	0.91	573	4.50E+03	18.5
PCB-145 22'3466'-HxCB	ND		1.0317					1.05	ND	4.50E+03	16.1
PCB-148 22'34'56'-HxCB	ND		1.0747					1.11	ND	4.50E+03	17.3
PCB-151/135 ...-HxCB	32.23	C	1.0933	1.0920	-2.5	3.12E+06	1.18	1.08	1,230	4.50E+03	17.8
PCB-154 22'44'56'-HxCB	ND		1.0994					1.16	ND	4.50E+03	16.6
PCB-144 22'345'6-HxCB	32.71	EMPC	1.1091	1.1083	-1.6	4.10E+05	1.50	1.05	167	4.50E+03	18.4
PCB-147/149 ...-HxCB	33.01	C	1.1195	1.1184	-2.2	6.36E+06	1.28	1.13	2,400	4.50E+03	17
PCB-134 22'33'56-HxCB	33.19		1.1256	1.1245	-2.2	2.03E+05	1.14	0.75	116	4.50E+03	25.8
PCB-143 22'3456'-HxCB	ND		1.1281					1.07	ND	4.50E+03	18
PCB-139/140 ...-HxCB	33.53	J C	1.1368	1.1360	-1.6	5.52E+04	1.11	1.09	21.7	4.50E+03	17.7
PCB-131 22'33'46-HxCB	ND		1.1432					0.95	ND	4.50E+03	20.2
PCB-142 22'3456-HxCB	ND		1.1478					0.93	ND	4.50E+03	20.7
PCB-132 22'33'46'-HxCB	34.11		1.1567	1.1555	-2.5	1.50E+06	1.34	0.95	677	4.50E+03	20.3
PCB-133 22'33'55'-HxCB	34.49		1.1698	1.1684	-2.9	6.79E+04	1.28	1.07	27.2	4.50E+03	18.1
PCB-165 233'55'6-HxCB	ND		0.9508					1.17	ND	4.50E+03	16.5
PCB-146 22'34'55'-HxCB	35.04		0.9566	0.9569	+0.6	7.37E+05	1.17	1.18	268	4.50E+03	16.4
PCB-161 233'45'6-HxCB	ND		0.9598					1.38	ND	4.50E+03	13.9
PCB-153/168 ...-HxCB	35.56	C	0.9714	0.9711	-0.6	6.15E+06	1.29	1.26	2,090	4.50E+03	15.3
PCB-141 22'3455'-HxCB	35.74		0.9760	0.9761	+0.2	1.30E+06	1.18	0.94	591	4.50E+03	20.4
PCB-130 22'33'45'-HxCB	36.10		0.9856	0.9858	+0.4	1.88E+05	1.22	0.78	103	4.50E+03	24.7
PCB-137 22'344'5-HxCB	36.27	EMPC	0.9907	0.9905	-0.4	1.24E+05	1.04	0.93	57.1	4.50E+03	20.8
PCB-164 233'4'5'6-HxCB	36.37	EMPC	0.9933	0.9932	-0.2	3.62E+05	1.48	1.27	122	4.50E+03	15.1
PCB-163/138/129 ...-HxCB	36.64	C	1.0010	1.0007	-0.7	4.24E+06	1.27	0.96	1,880	4.50E+03	20
PCB-160 233'456-HxCB	ND		1.0046					1.21	ND	4.50E+03	15.9
PCB-158 233'44'6-HxCB	36.97		1.0097	1.0096	-0.2	5.32E+05	1.37	1.29	177	4.50E+03	14.9

Lab ID: B9935_21527_PCB_002-CU

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Wt/Vol: 1

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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	37.74	C	0.9630	0.9639	+2.0	5.01E+05	1.27	0.92	199	6.00E+03	25.2
PCB-159 233'455'-HxCB	38.51		0.9839	0.9835	-0.9	1.00E+05	1.30	1.16	31.6	6.00E+03	20.1
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	6.00E+03	24.1
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.60E+03	14.6
PCB-179 22'33'566'-HpCB	34.72		1.0097	1.0096	-0.2	8.62E+05	1.13	1.24	381	2.60E+03	11.4
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	2.60E+03	12.5
PCB-176 22'33'466'-HpCB	35.47		1.0316	1.0315	-0.2	3.80E+05	1.03	1.05	197	2.60E+03	13.4
PCB-186 22'34566'-HpCB	ND		1.0431					1.22	ND	2.60E+03	11.6
PCB-178 22'33'55'6'-HpCB	37.00		1.0762	1.0760	-0.4	3.17E+05	1.01	0.79	220	2.60E+03	18
PCB-175 22'33'45'6'-HpCB	ND		1.0921					1.00	ND	5.88E+03	28.2
PCB-187 22'34'55'6'-HpCB	37.77		1.0988	1.0982	-1.4	2.42E+06	1.03	1.33	897	5.88E+03	21.2
PCB-182 22'344'56'-HpCB	ND		1.1037					1.32	ND	5.88E+03	21.4
PCB-183 22'344'5'6'-HpCB	38.28		1.1139	1.1132	-1.6	1.08E+06	1.04	1.15	466	5.88E+03	24.7
PCB-185 22'3455'6'-HpCB	38.38	EMPC	1.1168	1.1162	-1.4	2.10E+05	0.88	1.03	101	5.88E+03	27.4
PCB-174 22'33'456'-HpCB	38.50		1.1203	1.1195	-1.8	1.40E+06	1.10	1.11	620	5.88E+03	25.5
PCB-177 22'33'45'6'-HpCB	38.88		1.1313	1.1305	-1.9	6.51E+05	1.02	1.09	294	5.88E+03	25.9
PCB-181 22'344'56-HpCB	ND		1.1410					1.15	ND	5.88E+03	24.6
PCB-171/173 ...-HpCB	39.41	C	1.1467	1.1459	-1.9	3.29E+05	0.93	0.99	165	5.88E+03	28.7
PCB-172 22'33'455'-HpCB	40.77	EMPC	0.9053	0.9059	+1.5	1.33E+05	0.88	0.95	68.8	5.88E+03	29.8
PCB-192 233'455'6'-HpCB	ND		0.9108					1.34	ND	5.88E+03	21.1
PCB-180/193 ...-HpCB	41.31	C	0.9170	0.9178	+2.0	1.99E+06	1.12	1.13	868	5.88E+03	25
PCB-191 233'44'5'6'-HpCB	ND		0.9243					1.16	ND	5.88E+03	24.5
PCB-170 22'33'44'5'-HpCB	42.40	EMPC	0.9419	0.9420	+0.3	4.65E+05	1.20	1.03	285	5.88E+03	39.2
PCB-190 233'44'56-HpCB	42.86	EMPC	0.9518	0.9523	+1.3	1.06E+05	0.73	1.41	47.3	5.88E+03	28.6
PCB-202 22'33'55'66'-OcCB	38.95		1.0005	1.0005	0	2.00E+05	0.89	0.96	113	2.36E+03	13.4
PCB-201 22'33'45'66'-OcCB	39.74	EMPC	1.0207	1.0208	+0.2	1.41E+05	0.72	0.90	84.8	2.36E+03	14.3
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	2.36E+03	12.3
PCB-197 22'33'44'66'-OcCB	40.50	J EMPC	1.0404	1.0403	-0.2	1.80E+04	1.73	0.97	10	2.36E+03	13.3
PCB-200 22'33'4566'-OcCB	40.61	EMPC	1.0433	1.0432	-0.2	5.38E+04	0.64	0.88	33.1	2.36E+03	14.6
PCB-198/199 ...-OcCB	42.96	C	1.1034	1.1037	+0.8	2.56E+05	0.85	0.74	187	2.36E+03	17.4
PCB-196 22'33'44'56'-OcCB	43.50	EMPC	1.1182	1.1176	-1.6	6.30E+04	1.29	0.63	53.7	2.36E+03	20.3
PCB-203 22'344'55'6'-OcCB	43.67		1.1225	1.1218	-1.8	1.46E+05	0.97	0.77	102	2.36E+03	16.6
PCB-195 22'33'44'56-OcCB	44.82		0.9494	0.9494	0	5.27E+04	0.76	0.89	39.6	2.50E+03	22.5
PCB-194 22'33'44'55'-OcCB	46.79	EMPC	0.9913	0.9911	-0.6	7.07E+04	0.74	0.87	53.9	2.50E+03	22.8
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	2.50E+03	21.6
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	5.95E+03	32.2
PCB-207 22'33'44'566'-NoCB	ND		1.0182					0.96	ND	5.95E+03	32.2
PCB-206 22'33'44'55'6'-NoCB	ND		1.0005					0.93	ND	5.95E+03	74.2
AS PCB-32	19.92	V	1.2611	1.2649	+4.5	3.86E+06	1.09	0.84	40.6 %	50%	150%
AS PCB-97	30.666		1.0320	1.0316	-0.7	9.03E+06	1.49	0.85	87.3 %	50%	150%
AS PCB-159	38.514		1.0520	1.0518	-0.5	1.26E+07	1.34	1.16	107 %	50%	150%

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

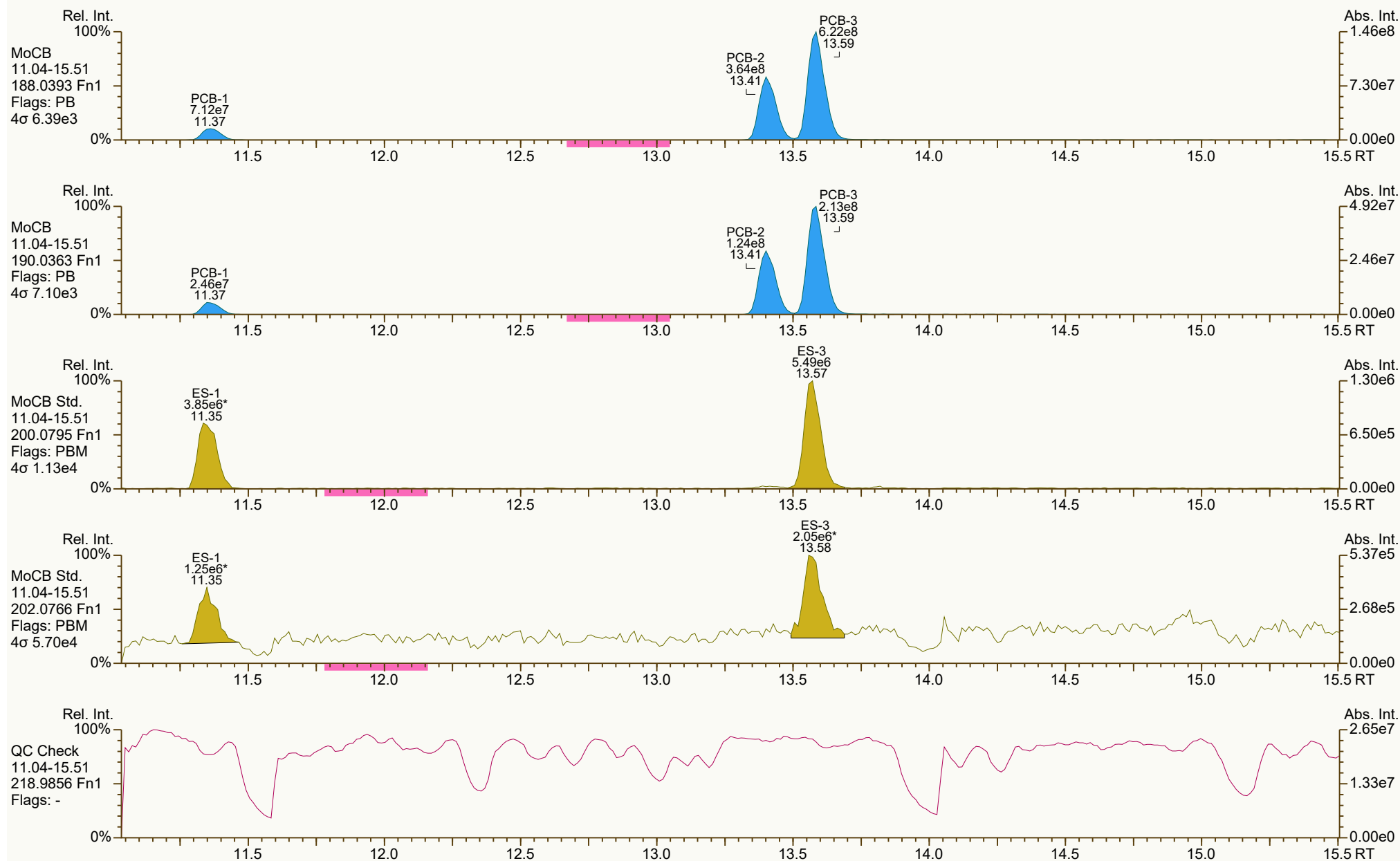
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User: JLJ Datafile: 241016B15



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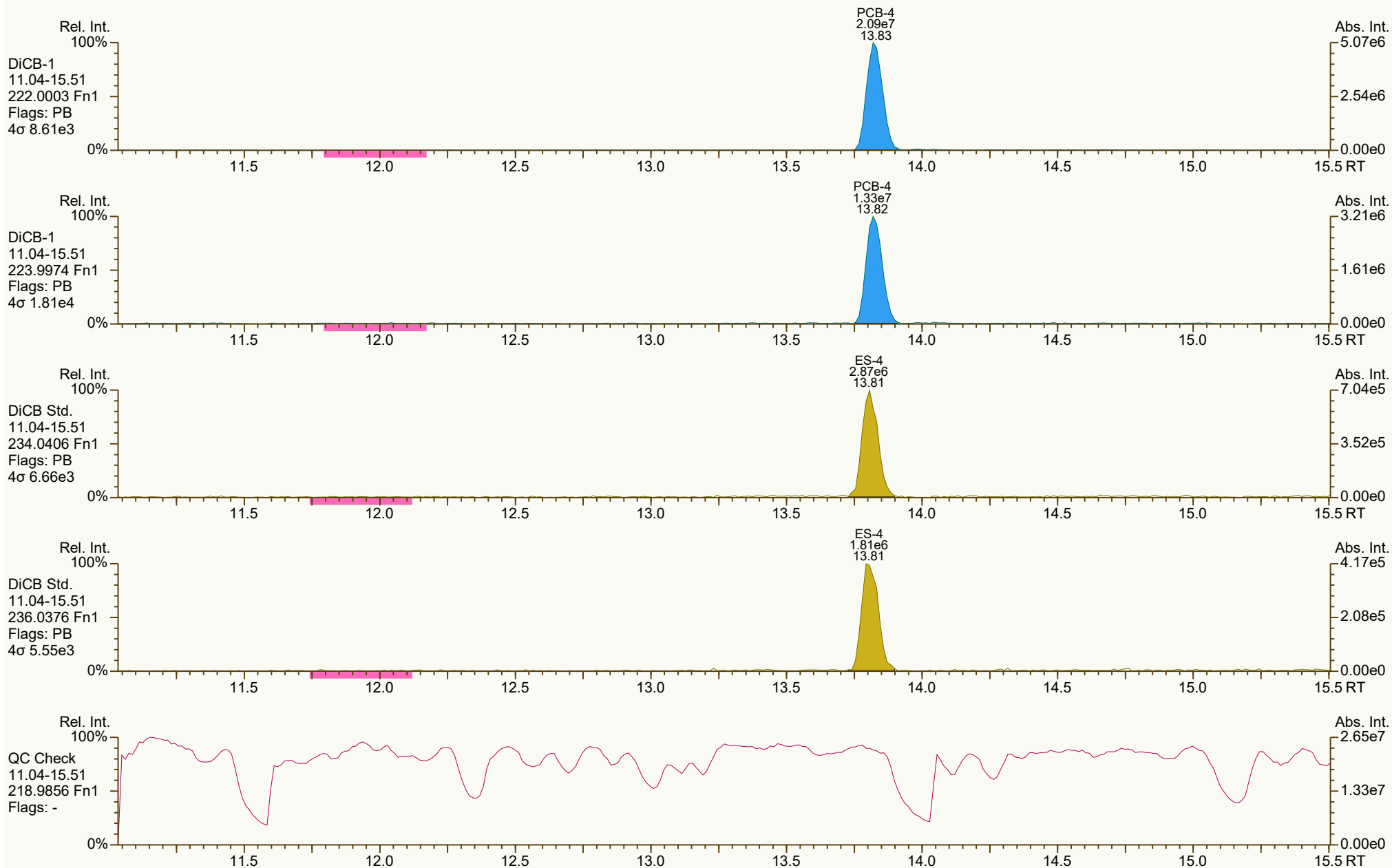
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PKD: n/a Printed: 23-Oct-2024 11:13 Page 1 of 21



SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 12

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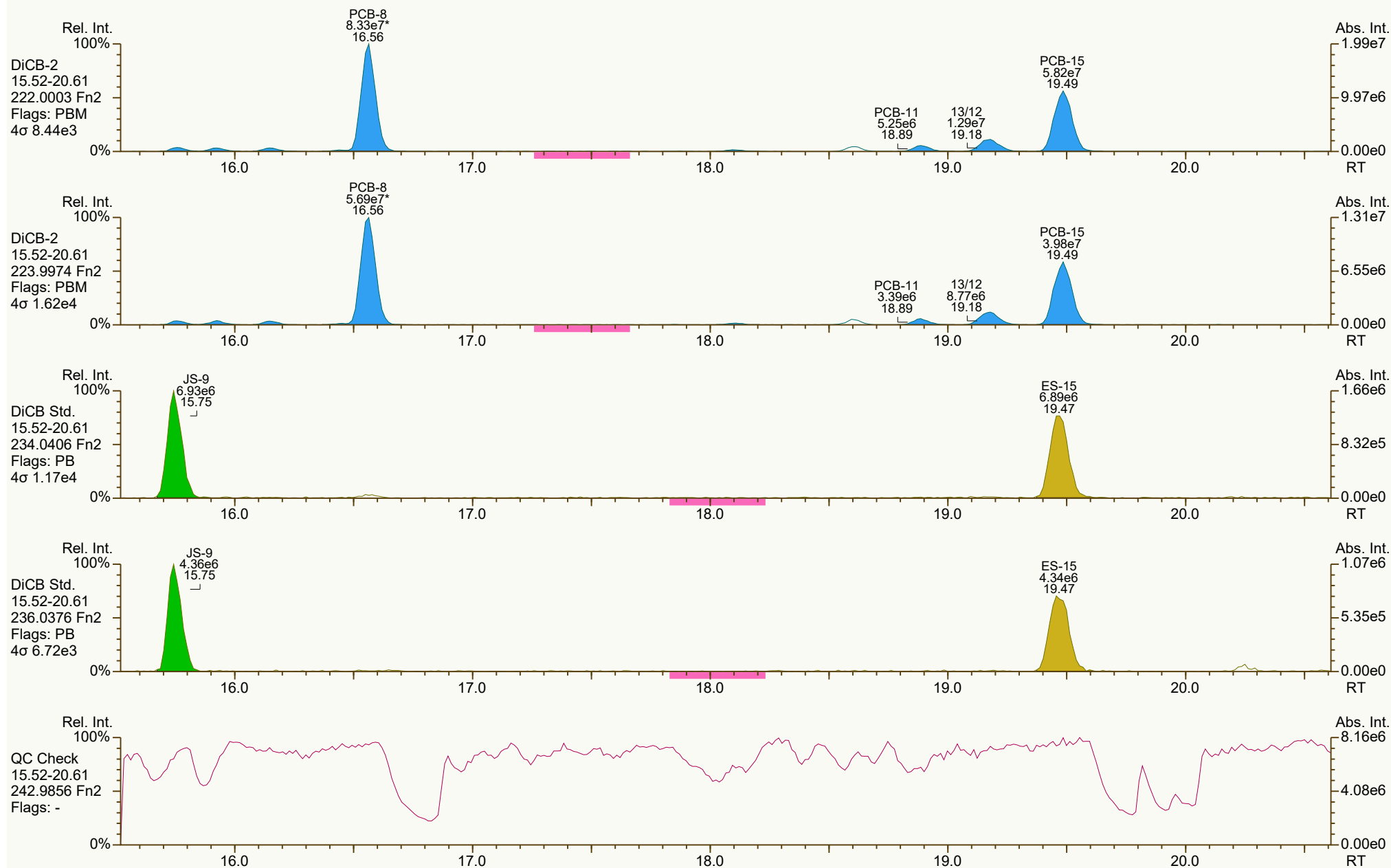
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:13 Page 3 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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User: JLJ Datafile: 241016B15



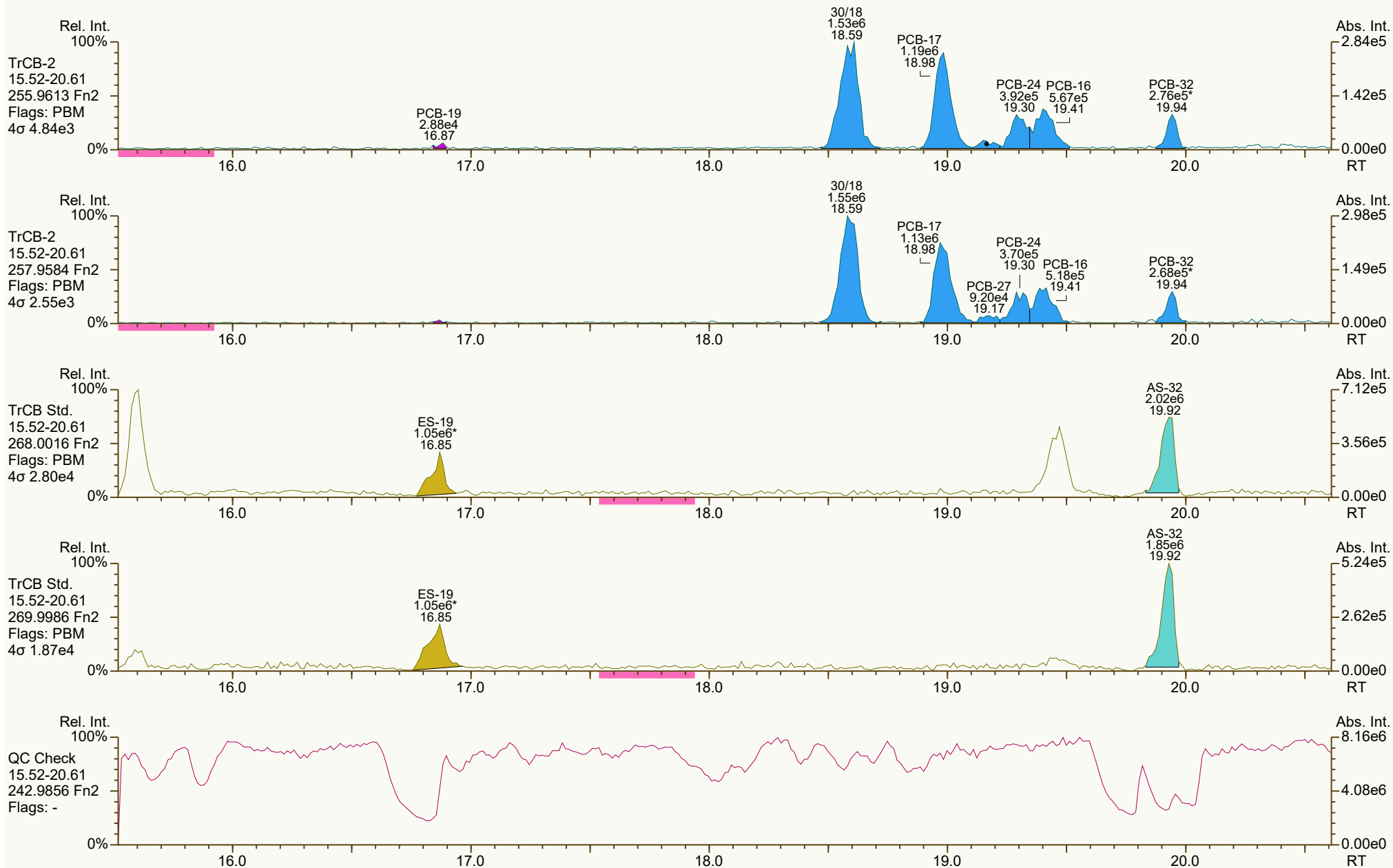
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:13 Page 4 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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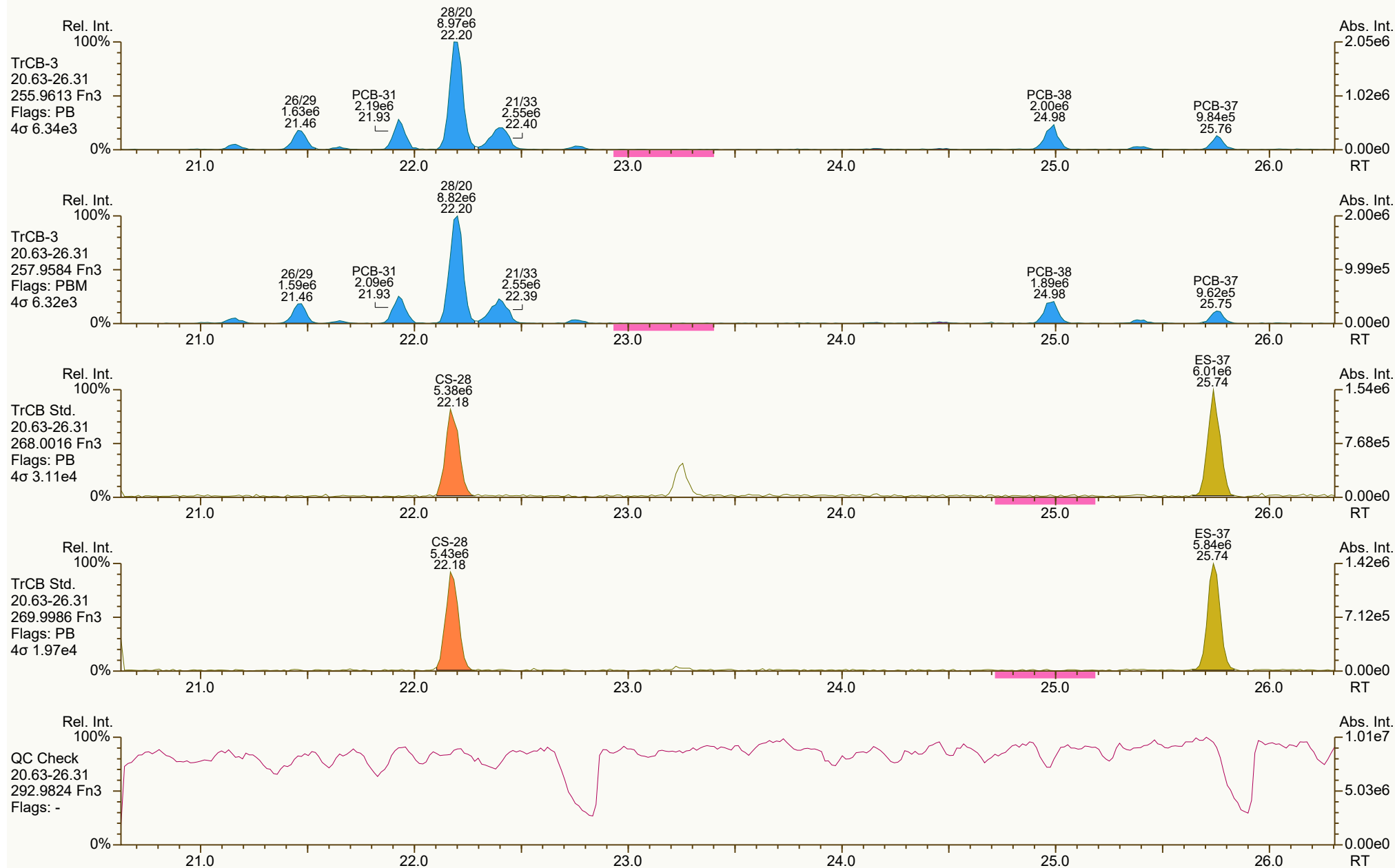
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:13 Page 5 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 12

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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:13 Page 6 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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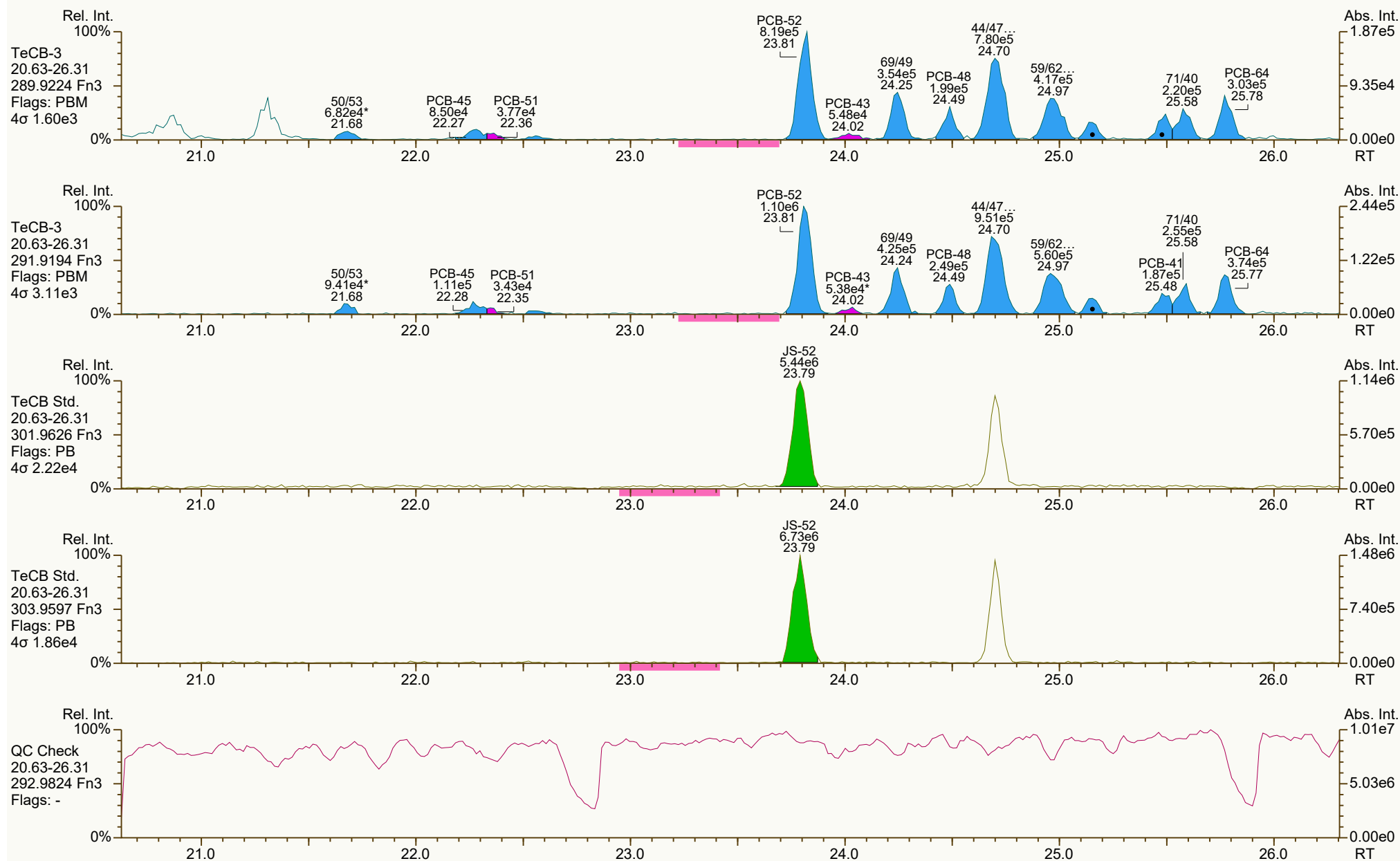
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 15:44 Printed: 23-Oct-2024 11:13 Page 7 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

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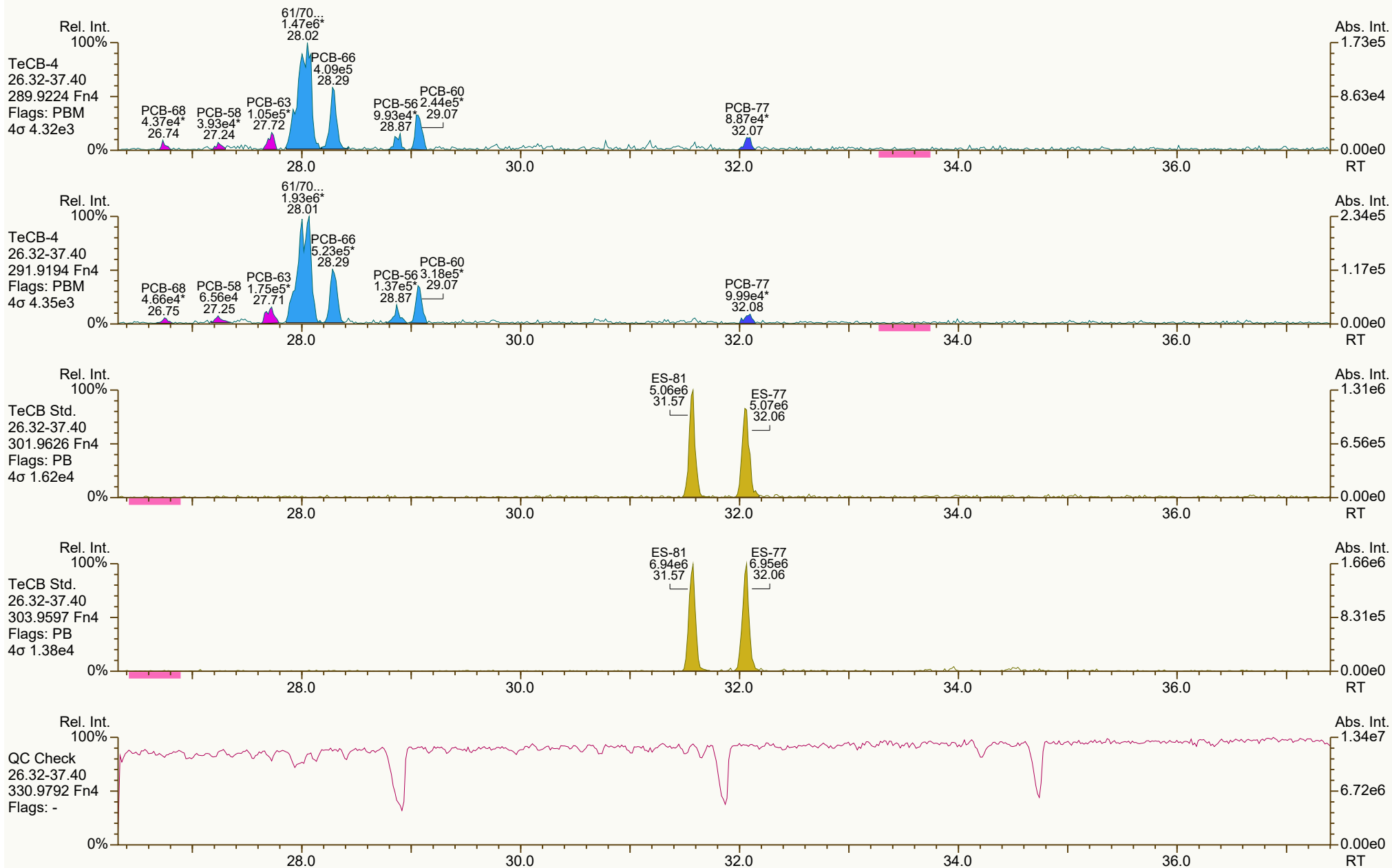
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:13 Page 8 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:13 Page 9 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

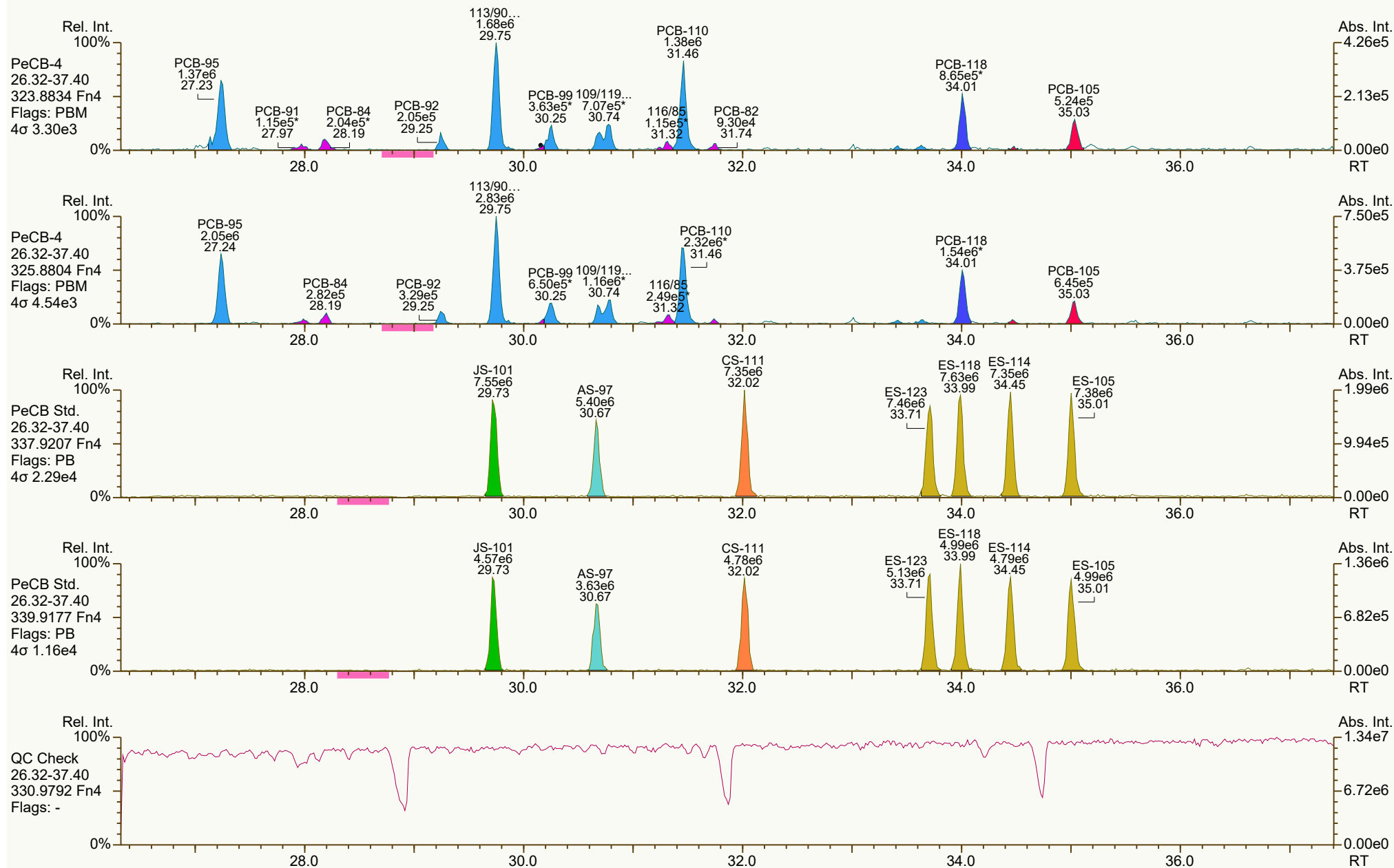
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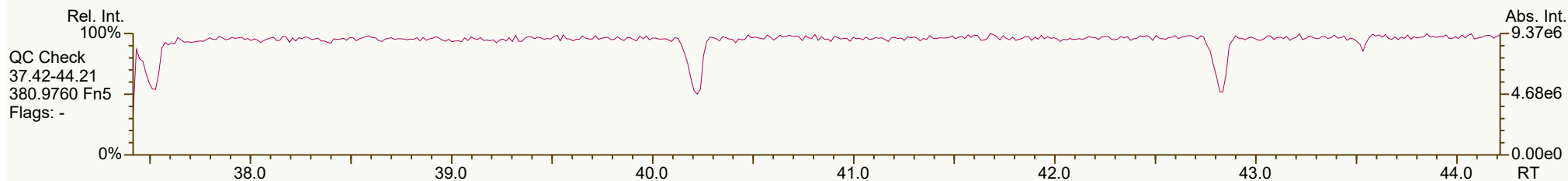
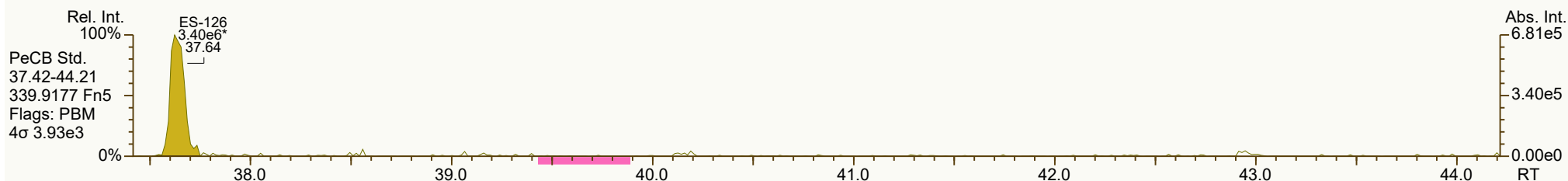
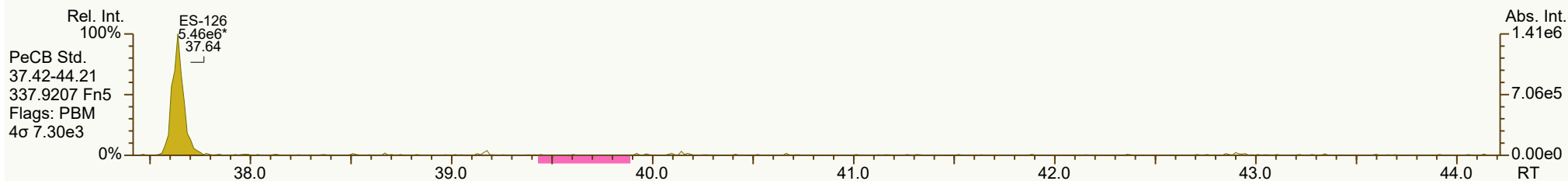
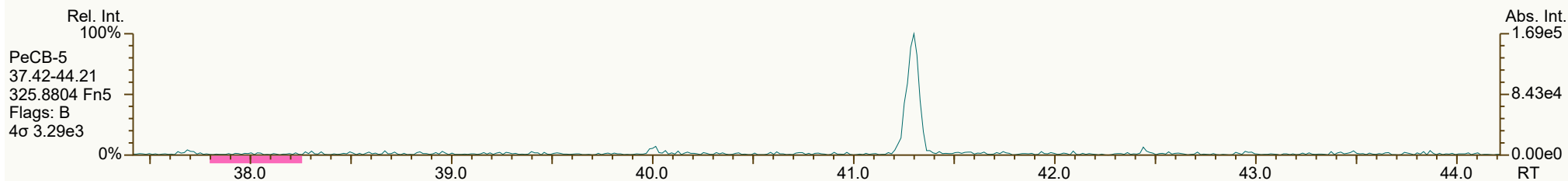
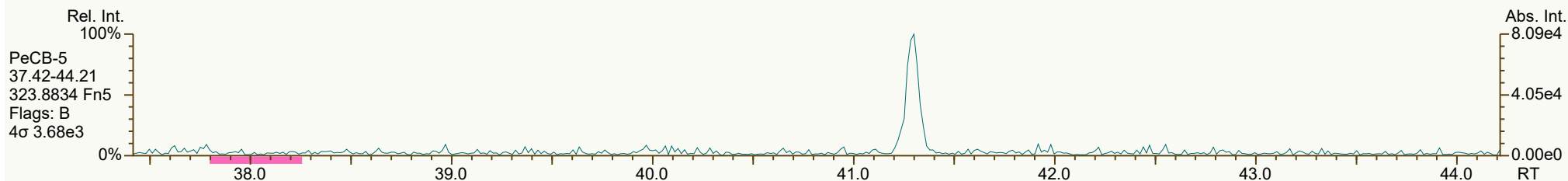
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SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 12

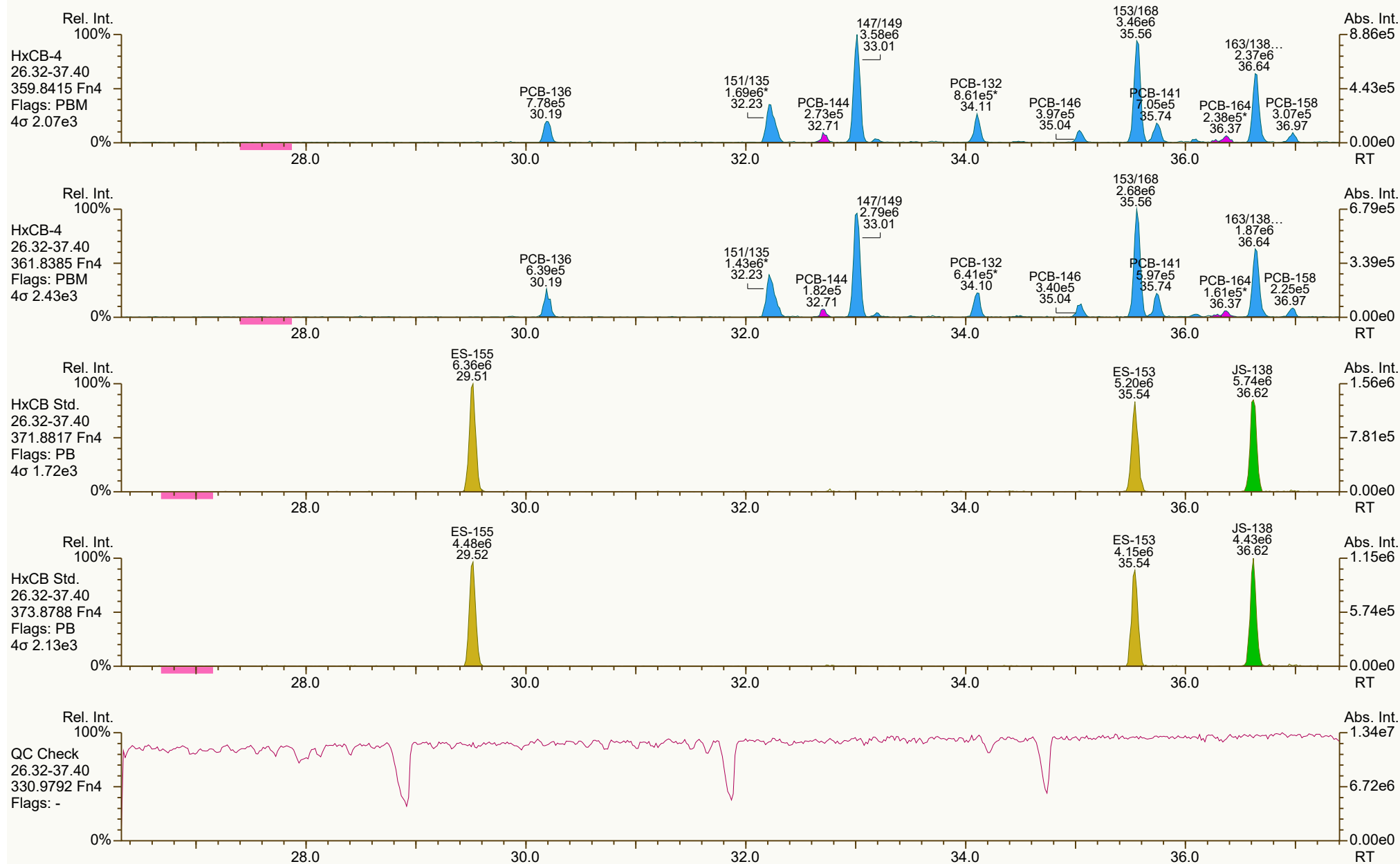
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Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:25 Printed: 23-Oct-2024 11:14 Page 13 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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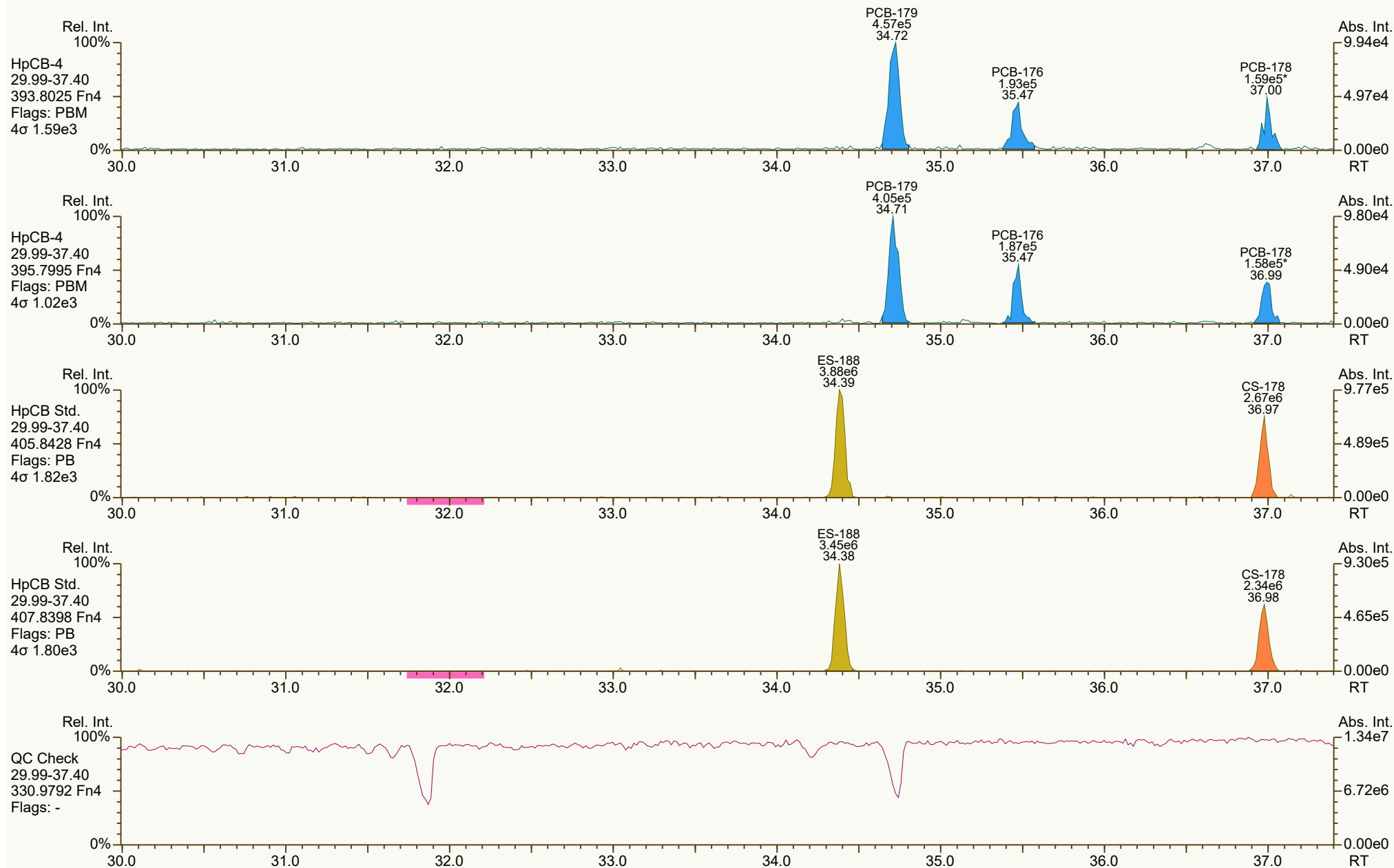
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 11:25 Printed: 23-Oct-2024 11:14 Page 14 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 12

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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:14 Page 15 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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Acq: 17-Oct-2024 02:37:56
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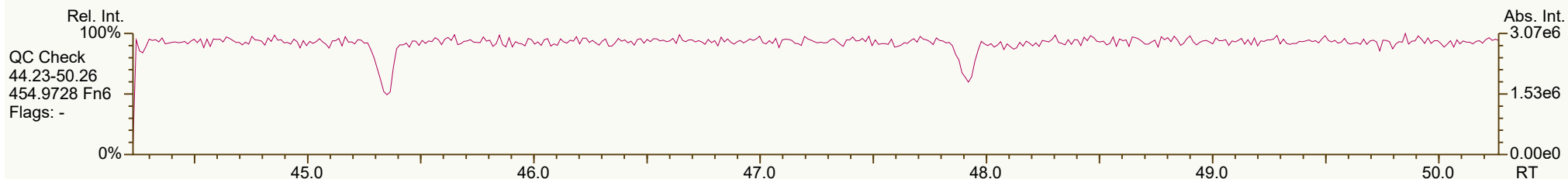
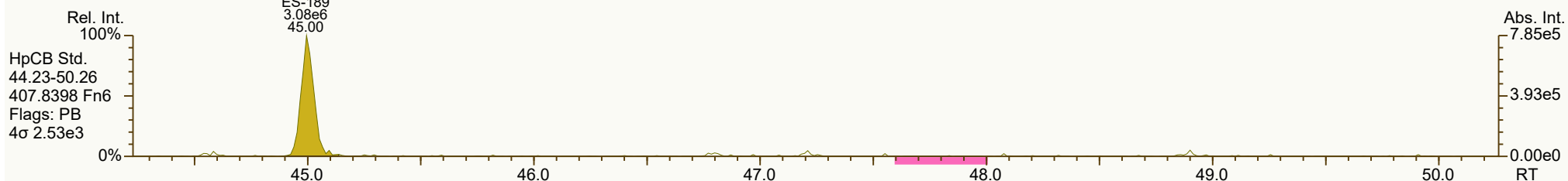
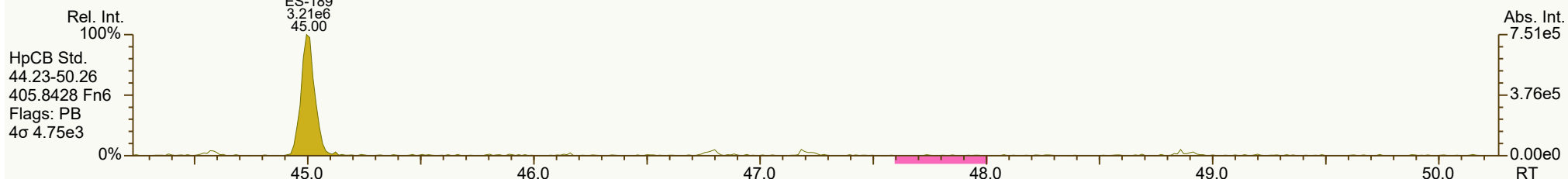
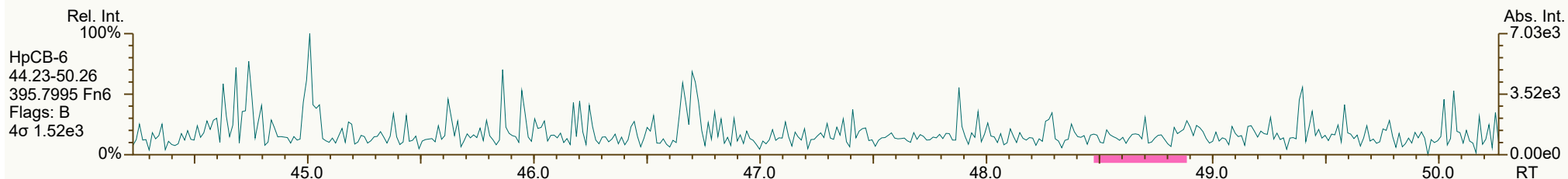
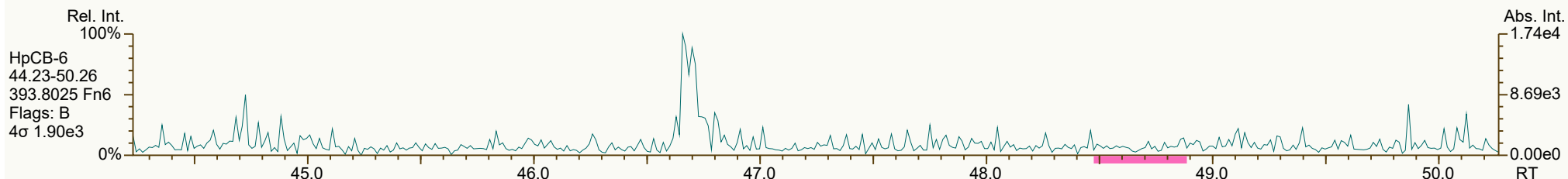
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8977, 6566 scc: 560-054

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:25 (JLJ) Printed: 23-Oct-2024 11:14 Page 16 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 12

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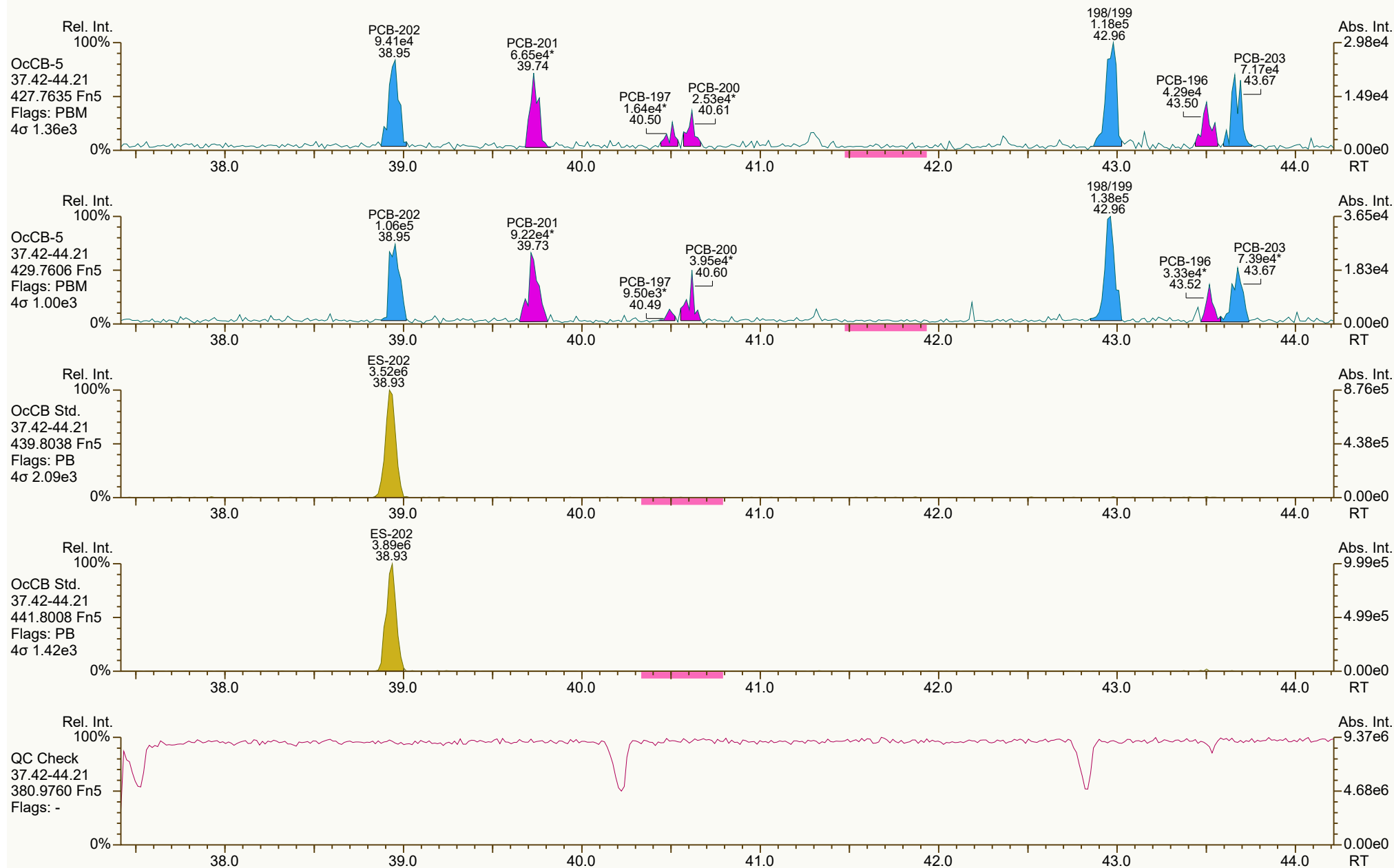
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:14 Page 17 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
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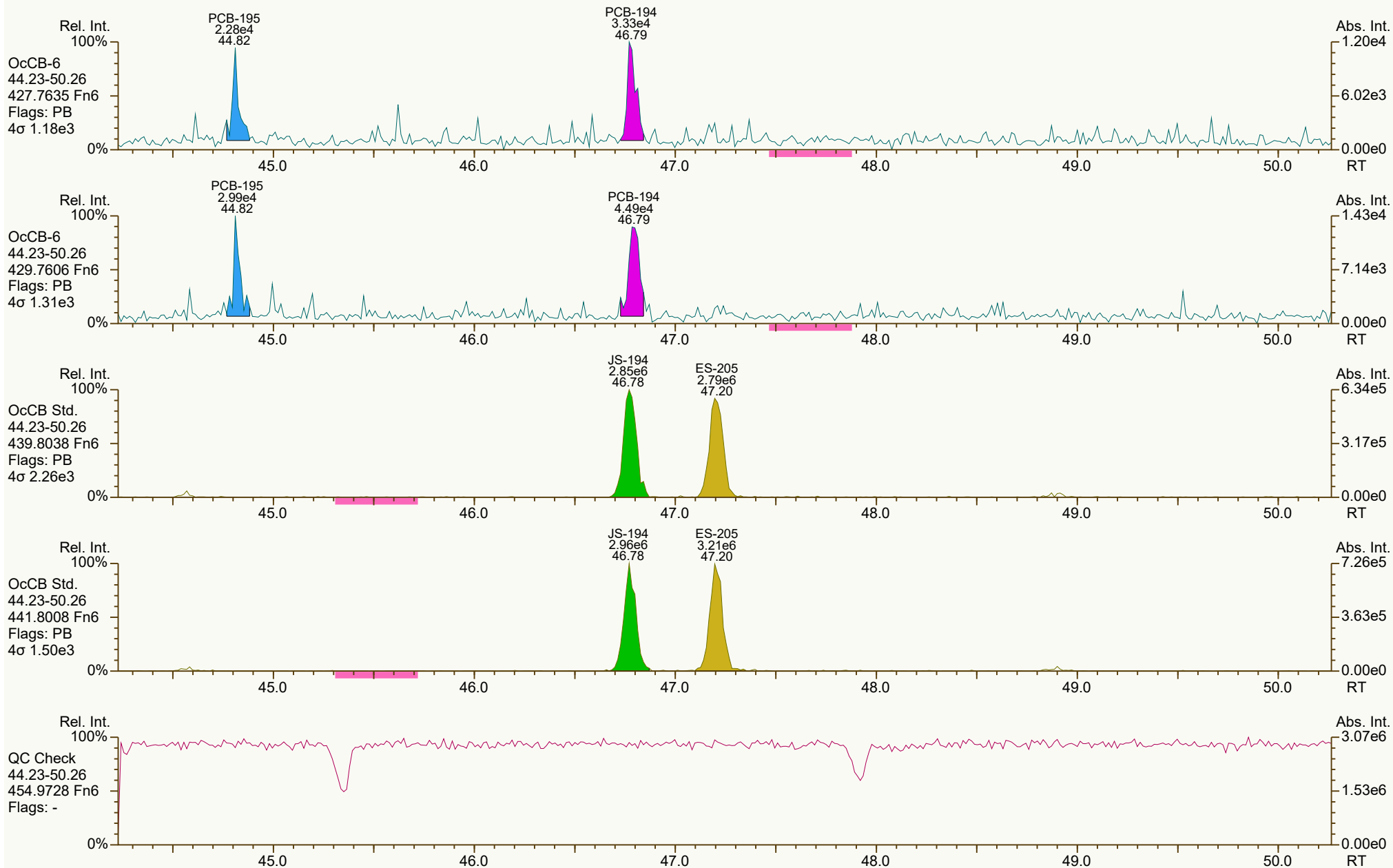
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Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 16:04 (JLJ) Printed: 23-Oct-2024 11:14 Page 18 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

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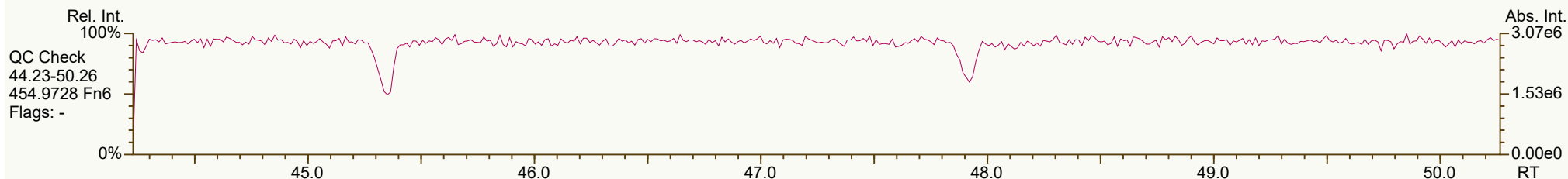
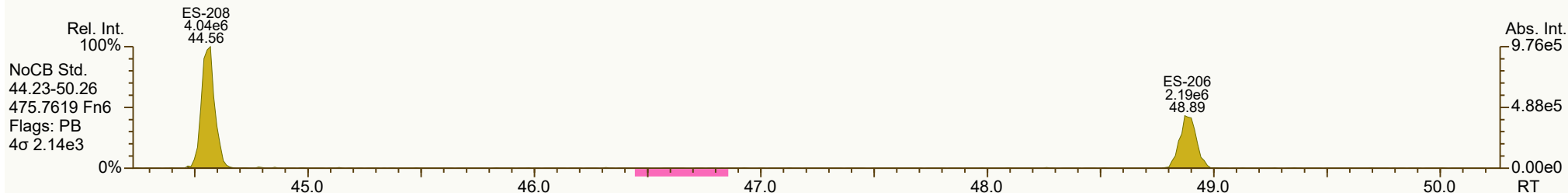
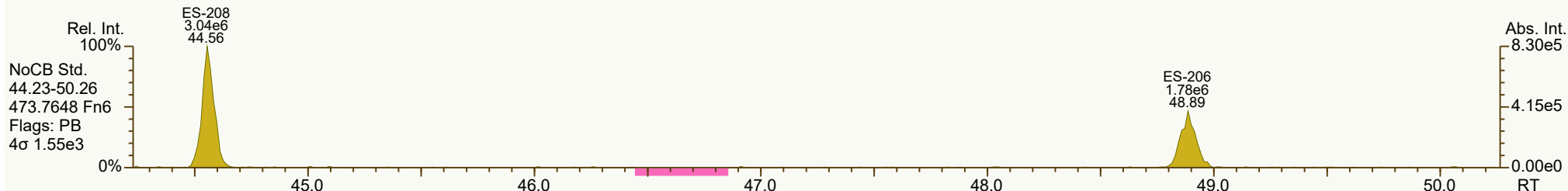
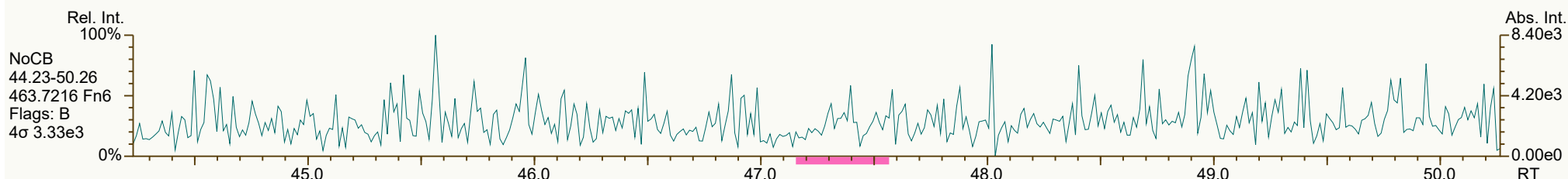
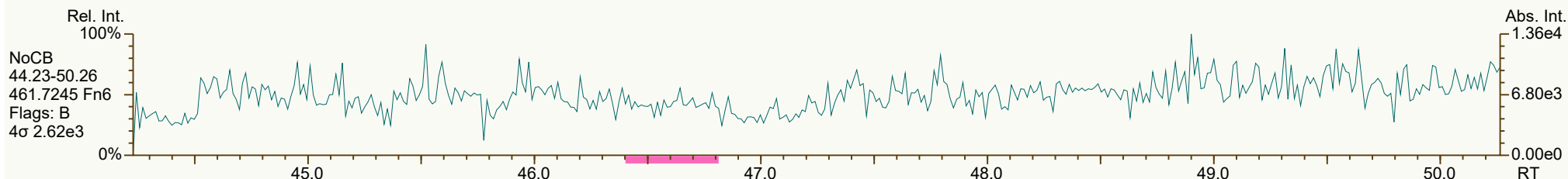
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5618, 9451 scc: 560-054

Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:14 Page 19 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 12

Acq: 17-Oct-2024 02:37:56
User: JLJ Datafile: 241016B15



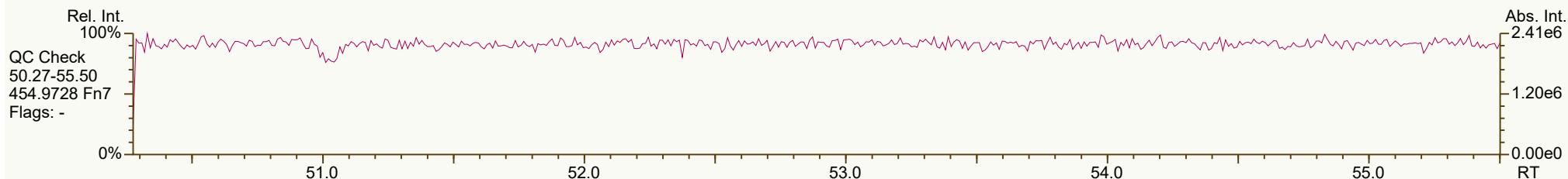
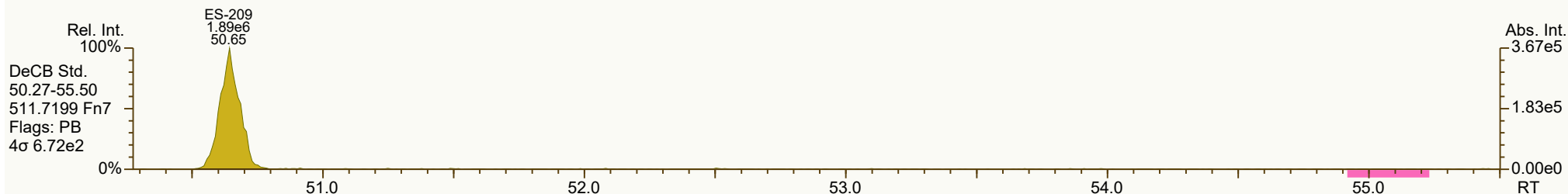
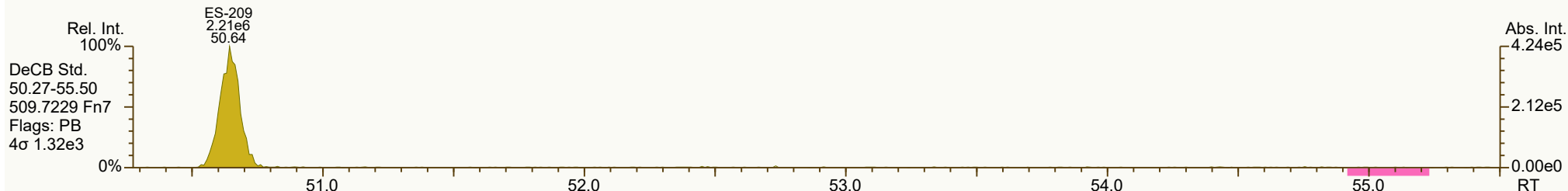
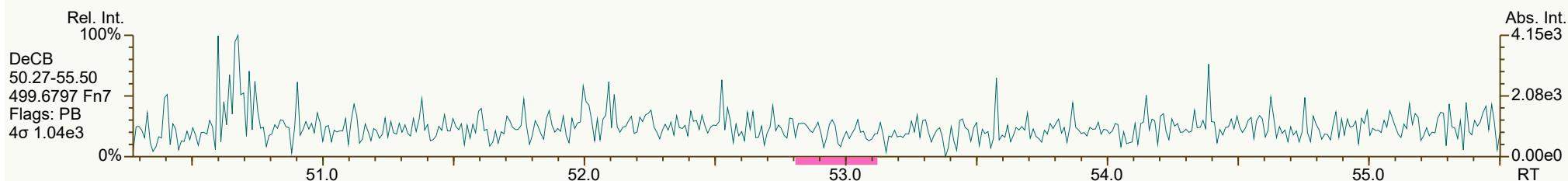
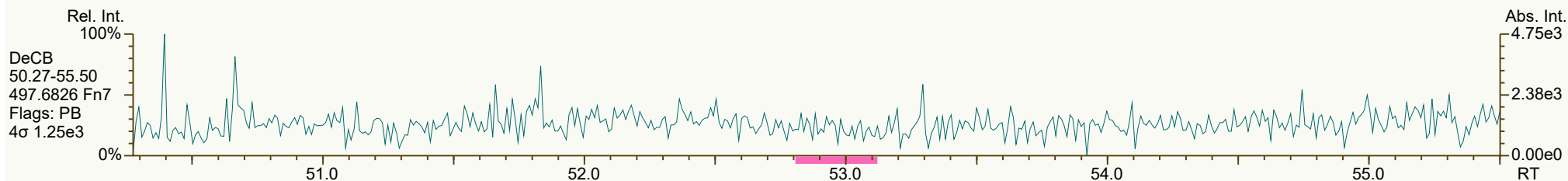
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3968, 4089 scc: 560-054

Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 16:04 Printed: 23-Oct-2024 11:14 Page 20 of 21

SGS ID: B9935_21527_PCB_002-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 12

Acq: 17-Oct-2024 02:37:56
User: JLJ Datafile: 241016B15



Lab ID: B9935_21527_PCB_003-CU

ACQ: 17-Oct-2024 03:36:37 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #3

UTP: 21-Oct-2024 15:33:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 682-863-HCV/C

Datafile: 241016B16

RPT: 23-Oct-2024 11:15 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	32.06		1.0006	1.0006	0	3.55E+05	0.82	0.95	78.4	1.06E+04	25.7
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	1.06E+04	23.2
PCB-105 233'44'-PeCB	35.02	B EMPC	1.0006	1.0010	+0.8	9.95E+05	1.07	0.97	213	7.27E+03	15.6
PCB-114 2344'5-PeCB	34.45	EMPC	1.0007	1.0008	+0.2	1.41E+05	0.93	0.96	32.3	7.27E+03	17.6
PCB-118 23'44'5-PeCB	33.99	B	1.0007	1.0007	0	2.40E+06	0.65	0.99	488	7.27E+03	14.4
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	7.27E+03	17.1
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	4.79E+03	19.6
PCB-156/157 ...-HxCB	40.14	B C	1.0005	1.0000	-1.2	3.14E+05	1.19	0.96	87	4.75E+03	20.6
PCB-167 23'44'55'-HxCB	39.16	EMPC	1.0005	1.0005	0	1.19E+05	1.51	0.94	30.5	4.75E+03	12.7
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	4.75E+03	17.9
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	2.50E+03	11.5
PCB-209 DeCB	ND		1.0005					0.95	ND	1.66E+03	17
ES PCB-1	11.35		0.7219	0.7210	-0.6	8.70E+06	3.32	1.19	32.6 %	5%	145%
ES PCB-3	13.57		0.8628	0.8621	-0.6	1.25E+07	2.87	1.13	49.2 %	5%	145%
ES PCB-4	13.81		0.8777	0.8773	-0.3	7.44E+06	1.69	0.72	45.8 %	5%	145%
ES PCB-15	19.44		1.2345	1.2351	+0.7	1.80E+07	1.58	1.07	75 %	5%	145%
ES PCB-19	16.84		1.0688	1.0700	+1.2	3.01E+06	1.03	0.65	20.7 %	5%	145%
ES PCB-37	25.72		1.0824	1.0821	-0.5	1.94E+07	1.08	1.40	66 %	5%	145%
ES PCB-54	19.69		0.8288	0.8284	-0.5	4.00E+06	0.74	1.23	15.5 %	5%	145%
ES PCB-77	32.04		1.3483	1.3479	-0.8	1.91E+07	0.78	1.28	71.2 %	10%	145%
ES PCB-81	31.55		1.3278	1.3273	-0.9	1.98E+07	0.77	1.33	71.2 %	10%	145%
ES PCB-104	24.59		0.8278	0.8280	+0.3	1.08E+07	1.57	1.32	41.4 %	10%	145%
ES PCB-105	34.99		1.1779	1.1779	0	1.93E+07	1.52	1.26	77.7 %	10%	145%
ES PCB-114	34.42		1.1590	1.1589	-0.2	1.81E+07	1.64	1.34	68.2 %	10%	145%
ES PCB-118	33.97		1.1434	1.1435	+0.2	1.99E+07	1.67	1.31	76.8 %	10%	145%
ES PCB-123	33.68		1.1339	1.1340	+0.2	1.92E+07	1.55	1.27	76.7 %	10%	145%
ES PCB-126	37.62		1.2663	1.2667	+0.9	1.32E+07	1.75	1.19	56.2 %	10%	145%
ES PCB-153	35.52		0.9706	0.9706	0	1.33E+07	1.27	1.11	77.6 %	10%	145%
ES PCB-155	29.49		0.8059	0.8058	-0.2	1.63E+07	1.39	1.45	72.7 %	10%	145%
ES PCB-156/157	40.14	C	1.0967	1.0968	+0.2	3.01E+07	1.24	1.24	78.7 %	10%	145%
ES PCB-167	39.14		1.0695	1.0695	0	1.66E+07	1.26	1.29	83.5 %	10%	145%
ES PCB-169	42.89		1.1714	1.1719	+1.3	1.19E+07	1.30	1.18	65.3 %	10%	145%
ES PCB-170	42.36		0.9058	0.9060	+0.5	9.06E+06	1.00	1.06	97 %	10%	145%
ES PCB-180	41.27		0.8827	0.8827	0	1.10E+07	0.97	1.25	99.5 %	10%	145%
ES PCB-188	34.37		0.9393	0.9391	-0.4	1.05E+07	1.22	1.36	49.8 %	10%	145%
ES PCB-189	44.98		0.9619	0.9621	+0.5	9.10E+06	1.06	1.37	75.1 %	10%	145%
ES PCB-202	38.91		1.0635	1.0632	-0.7	1.10E+07	0.98	1.19	59.6 %	10%	145%
ES PCB-205	47.18		1.0093	1.0091	-0.6	8.55E+06	0.87	1.23	78.7 %	10%	145%
ES PCB-206	48.87		1.0458	1.0452	-1.8	5.39E+06	0.81	0.89	68.8 %	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	44.54		0.9528	0.9526	-0.5	9.56E+06	0.78	1.26	86.3 %	10%	145%
ES PCB-209	50.62		1.0840	1.0827	-3.9	5.85E+06	1.24	0.98	67.4 %	10%	145%
SS PCB-28	22.16		0.9324	0.9324	0	9.36E+06	0.99	1.04	46.6 %	5%	145%
SS PCB-111	32.00		1.0771	1.0772	+0.2	9.46E+06	1.43	0.98	50 %	10%	145%
SS PCB-178	36.95		1.0099	1.0098	-0.2	4.15E+06	1.04	0.71	55.9 %	10%	145%
CS PCB-28	22.16		0.9324	0.9324	0	9.36E+06	0.99	1.44	31 %	5%	145%
CS PCB-111	32.00		1.0771	1.0772	+0.2	9.46E+06	1.43	1.24	38.5 %	10%	145%
CS PCB-178	36.95		1.0099	1.0098	-0.2	4.15E+06	1.04	0.96	27.9 %	10%	145%
JS PCB-9	15.74					2.24E+07	1.53				
JS PCB-52	23.77					2.10E+07	0.84				
JS PCB-101	29.70					1.98E+07	1.58				
JS PCB-138	36.60					1.55E+07	1.43				
JS PCB-194	46.75					8.83E+06	0.85				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	536,000	536,000	61.9		
						Di-CB	122,000	122,000	65.5		
						Tri-CB	22,300	22,500	63.3		
						Tetra-CB	4,050	4,350	20.4		
						Penta-CB	5,230	5,910	17.1		
						Hexa-CB	9,940	10,300	15.4		
						Hepta-CB	5,010	5,290	20		
						Octa-CB	492	715	13.1		
						Nona-CB	0	0	46.5		

Lab ID: B9935_21527_PCB_003-CU

ACQ: 17-Oct-2024 03:36:37 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #3

UTP: 21-Oct-2024 15:33:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 682-863-HCV/C

Datafile: 241016B16

RPT: 23-Oct-2024 11:15 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	11.36		1.0012	1.0012	0	9.80E+07	2.94	1.01	44,800	1.59E+04	74.2
PCB-2 3-MoCB	13.41	E	0.9879	0.9879	0	4.24E+08	2.87	0.87	155,000	1.59E+04	57.6
PCB-3 4-MoCB	13.58	E	1.0010	1.0010	0	1.06E+09	2.87	1.01	336,000	1.59E+04	49.6
PCB-4 22'-DiCB	13.82		1.0012	1.0011	-0.1	3.60E+07	1.55	0.98	19,700	1.47E+04	76.9
PCB-10 26-DiCB	13.98		1.0136	1.0128	-0.7	2.28E+05	SI	1.62	75.9	1.47E+04	46.8
PCB-9 25-DiCB	15.76		1.0010	1.0010	0	1.33E+07	1.48	0.78	3,780	2.17E+04	67.2
PCB-7 24-DiCB	15.92		1.0112	1.0112	0	5.92E+06	1.59	0.72	1,830	2.17E+04	72.8
PCB-6 23'-DiCB	16.14		1.0259	1.0256	-0.3	5.74E+06	1.54	0.84	1,520	2.17E+04	62.3
PCB-5 23-DiCB	16.43		1.0445	1.0439	-0.6	3.70E+06	1.47	0.68	1,200	2.17E+04	76.5
PCB-8 24'-DiCB	16.55		1.0520	1.0517	-0.3	1.61E+08	1.45	0.89	40,200	2.17E+04	59
PCB-14 35-DiCB	18.09		0.9307	0.9307	0	3.46E+06	1.43	0.72	1,070	2.17E+04	72.8
PCB-11 33'-DiCB	18.88	B	0.9711	0.9710	-0.1	1.12E+07	1.44	0.78	3,170	2.17E+04	66.7
PCB-13/12 34'/34-DiCB	19.16	C	0.9858	0.9858	0	5.00E+07	1.43	0.71	15,500	2.17E+04	73.3
PCB-15 44'-DiCB	19.46		1.0007	1.0008	+0.1	1.50E+08	1.45	0.97	34,400	2.17E+04	54.1
PCB-19 22'6-TrCB	16.86	EMPC	1.0011	1.0011	0	1.10E+05	0.81	1.03	141	8.38E+03	101
PCB-30/18 246/22'5-TrCB	18.57	C	1.1030	1.1028	-0.2	3.97E+06	1.01	1.62	3,250	8.38E+03	64.2
PCB-17 22'4-TrCB	18.97		1.1270	1.1262	-0.9	3.03E+06	1.05	1.11	3,640	8.38E+03	94
PCB-27 23'6-TrCB	19.16		1.1387	1.1376	-1.3	1.90E+05	1.16	1.52	166	8.38E+03	68.4
PCB-24 236-TrCB	19.29		1.1462	1.1451	-1.3	1.08E+06	1.16	1.55	923	8.38E+03	67
PCB-16 22'3-TrCB	19.39		1.1524	1.1511	-1.5	1.55E+06	1.05	1.16	1,780	8.38E+03	90.1
PCB-32 24'6-TrCB	19.87		1.1803	1.1795	-1.0	7.23E+05	1.00	1.73	556	8.38E+03	60.3
PCB-34 23'5'-TrCB	20.99		0.8163	0.8162	-0.1	1.07E+05	1.03	0.91	24.2	1.35E+04	29.4
PCB-23 235-TrCB	21.14		0.8218	0.8219	+0.1	1.41E+06	1.00	0.98	296	1.35E+04	27.2
PCB-26/29 23'5/245-TrCB	21.45	C	0.8330	0.8339	+1.2	4.89E+06	0.94	0.96	1,050	1.35E+04	27.8
PCB-25 23'4-TrCB	21.63		0.8409	0.8409	0	5.52E+05	0.98	1.18	96.5	1.35E+04	22.6
PCB-31 24'5-TrCB	21.91		0.8517	0.8520	+0.4	6.89E+06	0.98	1.15	1,240	1.35E+04	23.3
PCB-28/20 244'/233'-TrCB	22.18	C	0.8626	0.8623	-0.4	2.50E+07	1.01	1.04	4,950	1.35E+04	25.6
PCB-21/33 234/23'4'-TrCB	22.38	C	0.8696	0.8700	+0.5	7.60E+06	1.01	1.03	1,520	1.35E+04	25.9
PCB-22 234'-TrCB	22.75	B	0.8845	0.8844	-0.1	9.01E+05	0.92	1.11	167	1.35E+04	24
PCB-36 33'5-TrCB	24.12	EMPC	0.9378	0.9380	+0.3	2.76E+05	1.21	1.11	51	1.35E+04	24
PCB-39 34'5-TrCB	24.43		0.9504	0.9498	-0.9	5.67E+05	1.01	1.00	117	1.35E+04	26.8
PCB-38 345-TrCB	24.96		0.9706	0.9703	-0.4	5.88E+06	1.04	1.02	1,190	1.35E+04	26.2
PCB-35 33'4-TrCB	25.38		0.9865	0.9866	+0.2	1.33E+06	1.08	0.97	283	1.35E+04	27.6
PCB-37 344'-TrCB	25.74		1.0007	1.0007	0	5.25E+06	0.99	1.03	1,050	1.35E+04	25.9
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.44E+03	34.4
PCB-50/53 22'46/22'56'-TeCB	21.66	C	0.9120	0.9115	-0.6	2.55E+05	0.71	0.91	56.4	4.29E+03	9.73
PCB-45 22'36-TeCB	22.28		0.9369	0.9373	+0.5	4.05E+05	0.86	0.63	129	4.29E+03	14
PCB-51 22'46'-TeCB	ND		0.9395					1.06	ND	4.29E+03	8.43
PCB-46 22'36'-TeCB	22.54		0.9488	0.9485	-0.4	1.08E+05	0.89	0.73	29.9	4.29E+03	12.2
PCB-52 22'55'-TeCB	23.79	B	1.0010	1.0010	0	2.62E+06	0.75	0.97	544	4.29E+03	9.15
PCB-73 23'5'6-TeCB	ND		1.0061					1.21	ND	4.29E+03	7.38

Lab ID: B9935_21527_PCB_003-CU

ACQ: 17-Oct-2024 03:36:37 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #3

UTP: 21-Oct-2024 15:33:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 682-863-HCV/C

Datafile: 241016B16

RPT: 23-Oct-2024 11:15 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	23.99		1.0100	1.0095	-0.7	1.65E+05	0.75	0.91	36.5	4.29E+03	9.76
PCB-69/49 23'46/22'45'-TeCB	24.22	B C	1.0181	1.0190	+1.3	1.13E+06	0.82	1.03	221	4.29E+03	8.64
PCB-48 22'45'-TeCB	24.47		1.0299	1.0294	-0.7	7.04E+05	0.85	0.86	165	4.29E+03	10.3
PCB-44/47/65 ...-TeCB	24.68	B C	1.0391	1.0384	-1.0	2.46E+06	0.79	0.99	503	4.29E+03	9.01
PCB-59/62/75 ...-TeCB	24.95	C	1.0505	1.0498	-1.0	1.33E+06	0.78	1.12	240	4.29E+03	7.97
PCB-42 22'34'-TeCB	25.13		1.0580	1.0575	-0.8	4.36E+05	0.79	0.79	111	4.29E+03	11.3
PCB-41 22'34'-TeCB	25.46		1.0720	1.0713	-1.1	5.31E+05	0.78	0.65	164	4.29E+03	13.6
PCB-71/40 23'4'6/22'33'-TeCB	25.56	B C	1.0761	1.0756	-0.8	7.99E+05	0.88	0.96	168	4.29E+03	9.25
PCB-64 234'6'-TeCB	25.75	B	1.0844	1.0835	-1.4	1.07E+06	0.81	1.15	188	4.29E+03	7.74
PCB-72 23'55'-TeCB	ND		0.8391					0.91	ND	1.06E+04	24
PCB-68 23'45'-TeCB	26.74		0.8471	0.8476	+0.8	1.22E+05	0.79	0.88	28.1	1.06E+04	24.9
PCB-57 233'5'-TeCB	27.09	J	0.8589	0.8588	-0.2	5.42E+04	0.68	0.93	11.7	1.06E+04	23.5
PCB-58 233'5'-TeCB	27.29	J EMPC	0.8655	0.8650	-0.8	9.44E+04	1.47	1.04	18.3	1.06E+04	21
PCB-67 23'45'-TeCB	27.45	J	0.8702	0.8702	0	8.22E+04	0.69	1.08	15.3	1.06E+04	20.3
PCB-63 234'5'-TeCB	27.67		0.8775	0.8773	-0.3	3.67E+05	0.76	0.85	87.1	1.06E+04	25.7
PCB-61/70/74/76 ...-TeCB	27.99	C	0.8867	0.8872	+0.8	4.57E+06	0.72	0.97	952	1.06E+04	22.6
PCB-66 23'44'-TeCB	28.26	B EMPC	0.8958	0.8958	0	1.24E+06	0.65	0.98	255	1.06E+04	22.3
PCB-55 233'4'-TeCB	28.41	J	0.9006	0.9006	0	8.49E+04	0.73	1.01	17	1.06E+04	21.8
PCB-56 233'4'-TeCB	28.84		0.9145	0.9142	-0.5	3.79E+05	0.86	0.96	79.7	1.06E+04	22.8
PCB-60 2344'-TeCB	29.04		0.9206	0.9205	-0.2	7.70E+05	0.80	0.83	188	1.06E+04	26.5
PCB-80 33'55'-TeCB	ND		0.9306					0.95	ND	1.06E+04	23
PCB-79 33'45'-TeCB	30.73		0.9730	0.9740	+1.8	1.91E+05	0.69	1.03	37.5	1.06E+04	21.3
PCB-78 33'45'-TeCB	31.16	EMPC	0.9884	0.9879	-0.9	8.73E+04	1.28	0.85	20.7	1.06E+04	25.7
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	4.83E+03	18.1
PCB-96 22'366'-PeCB	24.95	J EMPC	1.0146	1.0146	0	2.45E+04	1.90	1.11	8.14	4.83E+03	16.3
PCB-103 22'45'6'-PeCB	26.60	J EMPC	0.8960	0.8955	-0.8	3.51E+04	0.77	0.84	8.65	7.27E+03	19.4
PCB-94 22'356'-PeCB	ND		0.9027					0.71	ND	7.27E+03	23
PCB-95 22'35'6'-PeCB	27.21		0.9159	0.9161	+0.3	4.76E+06	0.69	0.80	1,240	7.27E+03	20.5
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.79	ND	7.27E+03	20.7
PCB-102 22'456'-PeCB	27.51	EMPC	0.9261	0.9262	+0.2	1.20E+05	0.75	0.92	27.2	7.27E+03	17.9
PCB-98 22'34'6'-PeCB	ND		0.9284					0.92	ND	7.27E+03	17.8
PCB-88 22'346'-PeCB	ND		0.9386					0.76	ND	7.27E+03	21.5
PCB-91 22'34'6'-PeCB	27.95	EMPC	0.9411	0.9408	-0.5	2.92E+05	0.52	0.80	76.1	7.27E+03	20.6
PCB-84 22'33'6'-PeCB	28.16	B EMPC	0.9479	0.9481	+0.3	6.13E+05	0.73	0.67	189	7.27E+03	24.3
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	7.27E+03	20.3
PCB-121 23'45'6'-PeCB	ND		0.9725					1.20	ND	7.27E+03	13.6
PCB-92 22'355'-PeCB	29.22		0.9838	0.9839	+0.2	6.99E+05	0.67	0.76	193	7.27E+03	21.7
PCB-113/90/101 ...-PeCB	29.73	C	1.0000	1.0008	+1.4	5.89E+06	0.64	0.88	1,390	7.27E+03	18.6
PCB-83 22'33'5'-PeCB	ND		1.0148					0.63	ND	7.27E+03	26.1
PCB-99 22'44'5'-PeCB	30.21		1.0176	1.0171	-0.9	1.73E+06	0.56	1.01	356	7.27E+03	16.2
PCB-112 233'56'-PeCB	ND		1.0213					1.30	ND	7.27E+03	12.6

Lab ID: B9935_21527_PCB_003-CU

ACQ: 17-Oct-2024 03:36:37 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #3

UTP: 21-Oct-2024 15:33:10 JLJ

J-level: 20 pg Split: 2

Checkcode: 682-863-HCV/C

Datafile: 241016B16

RPT: 23-Oct-2024 11:15 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	30.72	B C	1.0330	1.0344	+2.6	2.49E+06	0.60	0.95	548	7.27E+03	17.3
PCB-117 234'56-PeCB	31.21	J EMPC	1.0509	1.0508	-0.2	8.00E+04	0.43	1.01	16.4	7.27E+03	16.2
PCB-116/85 23456/22'344'-PeCB	31.29	B C	1.0538	1.0536	-0.4	4.52E+05	0.57	0.87	108	7.27E+03	18.9
PCB-110 233'4'6-PeCB	31.43	B	1.0582	1.0582	0	4.20E+06	0.64	1.05	835	7.27E+03	15.7
PCB-115 2344'6-PeCB	31.51	EMPC	1.0605	1.0609	+0.8	2.14E+05	0.51	1.30	34.2	7.27E+03	12.6
PCB-82 22'33'4-PeCB	31.72	EMPC	1.0679	1.0680	+0.2	2.73E+05	0.77	0.76	74.9	7.27E+03	21.6
PCB-111 233'55'-PeCB	ND		1.0779					1.03	ND	7.27E+03	15.9
PCB-120 23'455'-PeCB	ND		1.0913					1.23	ND	7.27E+03	13.3
PCB-108/124 ...-PeCB	33.40	J C	0.9915	0.9916	+0.2	1.28E+05	0.64	0.98	27.3	7.27E+03	16.8
PCB-107 233'4'5-PeCB	33.63		0.9976	0.9983	+1.4	2.87E+05	0.62	1.10	54.4	7.27E+03	15
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	7.27E+03	15.5
PCB-122 233'4'5'-PeCB	ND		1.0095					0.83	ND	7.27E+03	20.4
PCB-127 33'455'-PeCB	ND		1.0357					1.02	ND	7.27E+03	14.8
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	4.00E+03	10.5
PCB-152 22'3566'-HxCB	ND		1.0072					1.15	ND	4.00E+03	8.74
PCB-150 22'34'66'-HxCB	ND		1.0118					1.01	ND	4.00E+03	9.91
PCB-136 22'33'66'-HxCB	30.17		1.0228	1.0231	+0.5	2.10E+06	1.21	0.91	564	4.00E+03	11
PCB-145 22'3466'-HxCB	ND		1.0313					1.05	ND	4.00E+03	9.57
PCB-148 22'34'56'-HxCB	ND		1.0741					1.11	ND	4.00E+03	10.7
PCB-151/135 ...-HxCB	32.21	C	1.0925	1.0922	-0.6	4.50E+06	1.25	1.08	1,250	4.00E+03	11
PCB-154 22'44'56'-HxCB	32.41	J	1.0987	1.0989	+0.4	5.35E+04	1.07	1.16	13.9	4.00E+03	10.3
PCB-144 22'345'6-HxCB	32.68		1.1082	1.1083	+0.2	5.82E+05	1.36	1.05	167	4.00E+03	11.3
PCB-147/149 ...-HxCB	32.99	C	1.1186	1.1187	+0.2	8.96E+06	1.26	1.13	2,370	4.00E+03	10.5
PCB-134 22'33'56-HxCB	33.17		1.1248	1.1248	0	2.91E+05	1.24	0.75	117	4.00E+03	15.9
PCB-143 22'3456'-HxCB	ND		1.1273					1.07	ND	4.00E+03	11.1
PCB-139/140 ...-HxCB	33.48	J EMPC C	1.1359	1.1355	-0.8	3.83E+04	1.91	1.09	10.6	4.00E+03	10.9
PCB-131 22'33'46-HxCB	33.68	J EMPC	1.1421	1.1421	0	5.25E+04	1.55	0.95	16.6	4.00E+03	12.5
PCB-142 22'3456-HxCB	ND		1.1468					0.93	ND	4.00E+03	12.8
PCB-132 22'33'46'-HxCB	34.08		1.1554	1.1556	+0.4	1.95E+06	1.18	0.95	615	4.00E+03	12.5
PCB-133 22'33'55'-HxCB	34.46	EMPC	1.1687	1.1685	-0.4	7.86E+04	1.81	1.07	22.2	4.00E+03	11.1
PCB-165 233'55'6-HxCB	ND		0.9511					1.17	ND	4.00E+03	10.2
PCB-146 22'34'55'-HxCB	35.02		0.9569	0.9569	0	1.00E+06	1.25	1.18	255	4.00E+03	10.1
PCB-161 233'45'6-HxCB	ND		0.9601					1.38	ND	4.00E+03	8.59
PCB-153/168 ...-HxCB	35.54	C	0.9717	0.9712	-1.1	8.09E+06	1.24	1.26	1,930	4.00E+03	9.45
PCB-141 22'3455'-HxCB	35.72		0.9761	0.9761	0	1.72E+06	1.37	0.94	546	4.00E+03	12.6
PCB-130 22'33'45'-HxCB	36.06	EMPC	0.9856	0.9853	-0.6	2.80E+05	1.45	0.78	108	4.00E+03	15.3
PCB-137 22'344'5-HxCB	36.25	EMPC	0.9907	0.9906	-0.2	1.80E+05	0.98	0.93	58.1	4.00E+03	12.8
PCB-164 233'4'5'6-HxCB	36.35	EMPC	0.9933	0.9933	0	4.80E+05	1.46	1.27	113	4.00E+03	9.33
PCB-163/138/129 ...-HxCB	36.62	C	1.0011	1.0007	-0.9	5.50E+06	1.32	0.96	1,710	4.00E+03	12.3
PCB-160 233'456-HxCB	ND		1.0047					1.21	ND	4.00E+03	9.81
PCB-158 233'44'6-HxCB	36.95		1.0097	1.0097	0	6.76E+05	1.21	1.29	157	4.00E+03	9.22

Lab ID: B9935_21527_PCB_003-CU

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Wt/Vol: 1

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RPT: 23-Oct-2024 11:15 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	37.73	B C	0.9631	0.9639	+1.8	4.84E+05	1.20	0.92	126	4.75E+03	12.9
PCB-159 233'455'-HxCB	38.49		0.9839	0.9833	-1.4	1.18E+05	1.22	1.16	24.3	4.75E+03	10.3
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	4.75E+03	12.3
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.73E+03	10.9
PCB-179 22'33'566'-HpCB	34.70		1.0095	1.0096	+0.2	1.75E+06	1.03	1.24	540	2.73E+03	8.47
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	2.73E+03	9.28
PCB-176 22'33'466'-HpCB	35.45	EMPC	1.0313	1.0316	+0.6	5.14E+05	1.33	1.05	187	2.73E+03	9.96
PCB-186 22'34566'-HpCB	ND		1.0428					1.22	ND	2.73E+03	8.59
PCB-178 22'33'55'6'-HpCB	36.97		1.0758	1.0759	+0.2	4.73E+05	0.92	0.79	230	2.73E+03	13.3
PCB-175 22'33'45'6'-HpCB	37.52		1.0915	1.0918	+0.7	1.20E+05	1.20	1.00	43.4	7.19E+03	28.1
PCB-187 22'34'55'6'-HpCB	37.74		1.0982	1.0983	+0.2	3.79E+06	0.98	1.33	1,030	7.19E+03	21.1
PCB-182 22'344'56'-HpCB	ND		1.1032					1.32	ND	7.19E+03	21.4
PCB-183 22'344'5'6'-HpCB	38.26		1.1133	1.1134	+0.2	1.57E+06	1.10	1.15	498	7.19E+03	24.6
PCB-185 22'3455'6'-HpCB	38.36		1.1161	1.1162	+0.2	3.30E+05	1.14	1.03	116	7.19E+03	27.3
PCB-174 22'33'456'-HpCB	38.48		1.1195	1.1196	+0.2	2.39E+06	1.04	1.11	783	7.19E+03	25.4
PCB-177 22'33'45'6'-HpCB	38.85		1.1304	1.1306	+0.5	1.01E+06	1.13	1.09	336	7.19E+03	25.8
PCB-181 22'344'56-HpCB	ND		1.1402					1.15	ND	7.19E+03	24.5
PCB-171/173 ...-HpCB	39.39	C	1.1458	1.1461	+0.7	4.31E+05	1.01	0.99	159	7.19E+03	28.6
PCB-172 22'33'455'-HpCB	40.75	EMPC	0.9058	0.9059	+0.2	2.52E+05	1.24	0.95	96.3	7.19E+03	29.7
PCB-192 233'455'6'-HpCB	ND		0.9112					1.34	ND	7.19E+03	21
PCB-180/193 ...-HpCB	41.29	C	0.9175	0.9178	+0.7	2.99E+06	1.08	1.13	964	7.19E+03	25
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.16	ND	7.19E+03	24.4
PCB-170 22'33'44'5'-HpCB	42.37		0.9422	0.9420	-0.5	5.74E+05	1.08	1.03	246	7.19E+03	31.4
PCB-190 233'44'56-HpCB	42.83		0.9521	0.9521	0	1.84E+05	1.08	1.41	57.7	7.19E+03	22.9
PCB-202 22'33'55'66'-OcCB	38.92		1.0006	1.0004	-0.5	3.13E+05	0.91	0.96	119	2.90E+03	10.4
PCB-201 22'33'45'66'-OcCB	39.70		1.0206	1.0204	-0.5	1.49E+05	1.01	0.90	60.3	2.90E+03	11.1
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	2.90E+03	9.61
PCB-197 22'33'44'66'-OcCB	40.48	J	1.0403	1.0405	+0.5	4.44E+04	0.91	0.97	16.7	2.90E+03	10.3
PCB-200 22'33'4566'-OcCB	40.60		1.0430	1.0434	+1.0	1.45E+05	0.92	0.88	60.1	2.90E+03	11.4
PCB-198/199 ...-OcCB	42.94	C	1.1028	1.1035	+1.8	3.94E+05	0.90	0.74	194	2.90E+03	13.5
PCB-196 22'33'44'56'-OcCB	43.49	EMPC	1.1176	1.1177	+0.3	1.26E+05	1.27	0.63	72.6	2.90E+03	15.8
PCB-203 22'344'55'6'-OcCB	43.65	EMPC	1.1219	1.1220	+0.3	1.93E+05	1.11	0.77	90.8	2.90E+03	12.9
PCB-195 22'33'44'56-OcCB	44.80		0.9493	0.9495	+0.5	7.93E+04	1.00	0.89	41.8	2.60E+03	16.4
PCB-194 22'33'44'55'-OcCB	46.77	EMPC	0.9912	0.9914	+0.6	1.12E+05	0.65	0.87	60.1	2.60E+03	16.7
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	2.60E+03	15.8
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	5.82E+03	28.4
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.96	ND	5.82E+03	28.4
PCB-206 22'33'44'55'6'-NoCB	ND		1.0005					0.93	ND	5.82E+03	64.6
AS PCB-32	19.843	V	1.2602	1.2607	+0.6	7.46E+06	1.06	0.84	39.5 %	50%	150%
AS PCB-97	30.647		1.0318	1.0318	0	1.13E+07	1.76	0.85	66.7 %	50%	150%
AS PCB-159	38.493		1.0518	1.0519	+0.2	1.99E+07	1.27	1.16	111 %	50%	150%

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



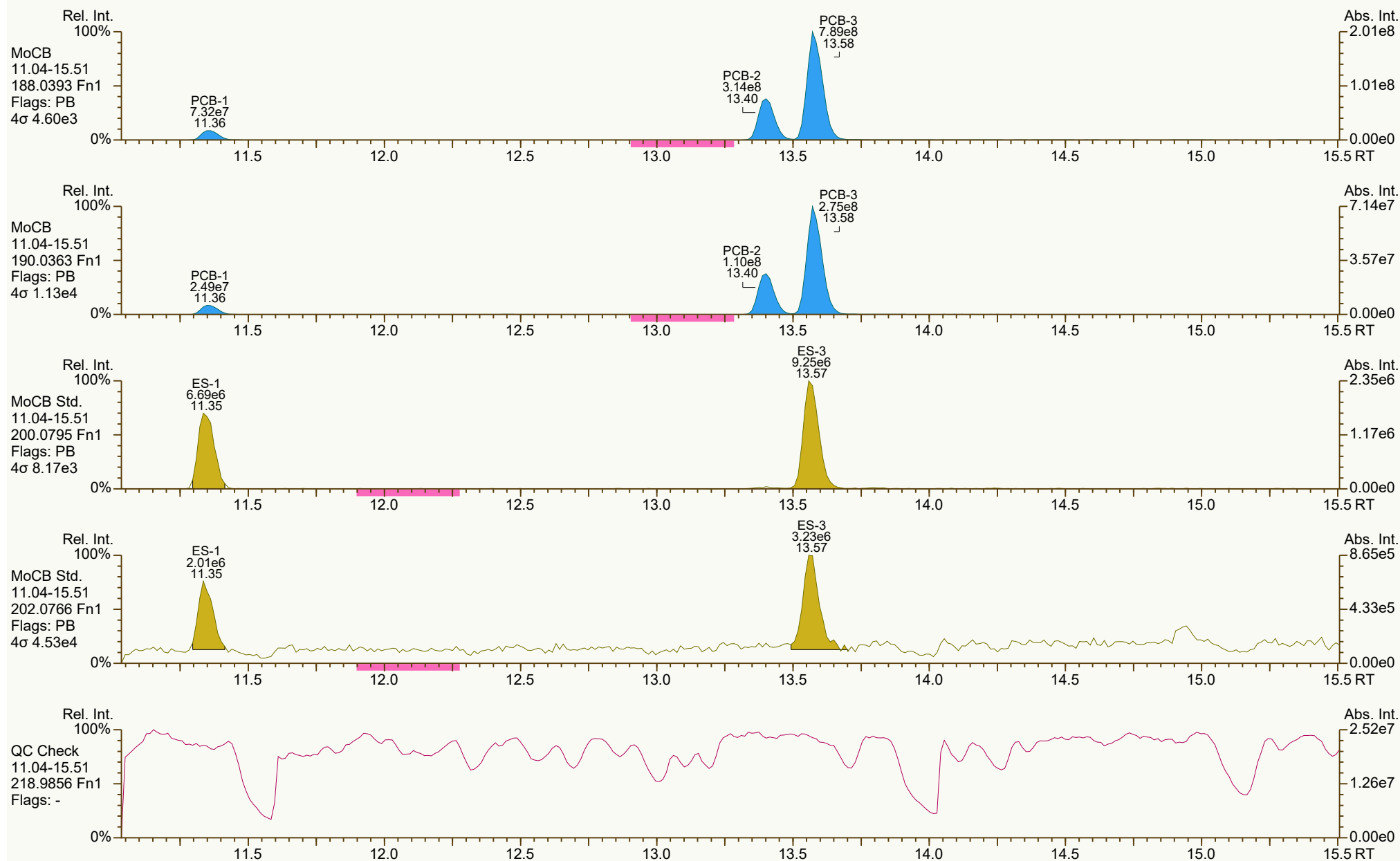
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 23-Oct-2024 11:14 Page 1 of 21

SGS ID: B9935_21527_PCB_003-CU
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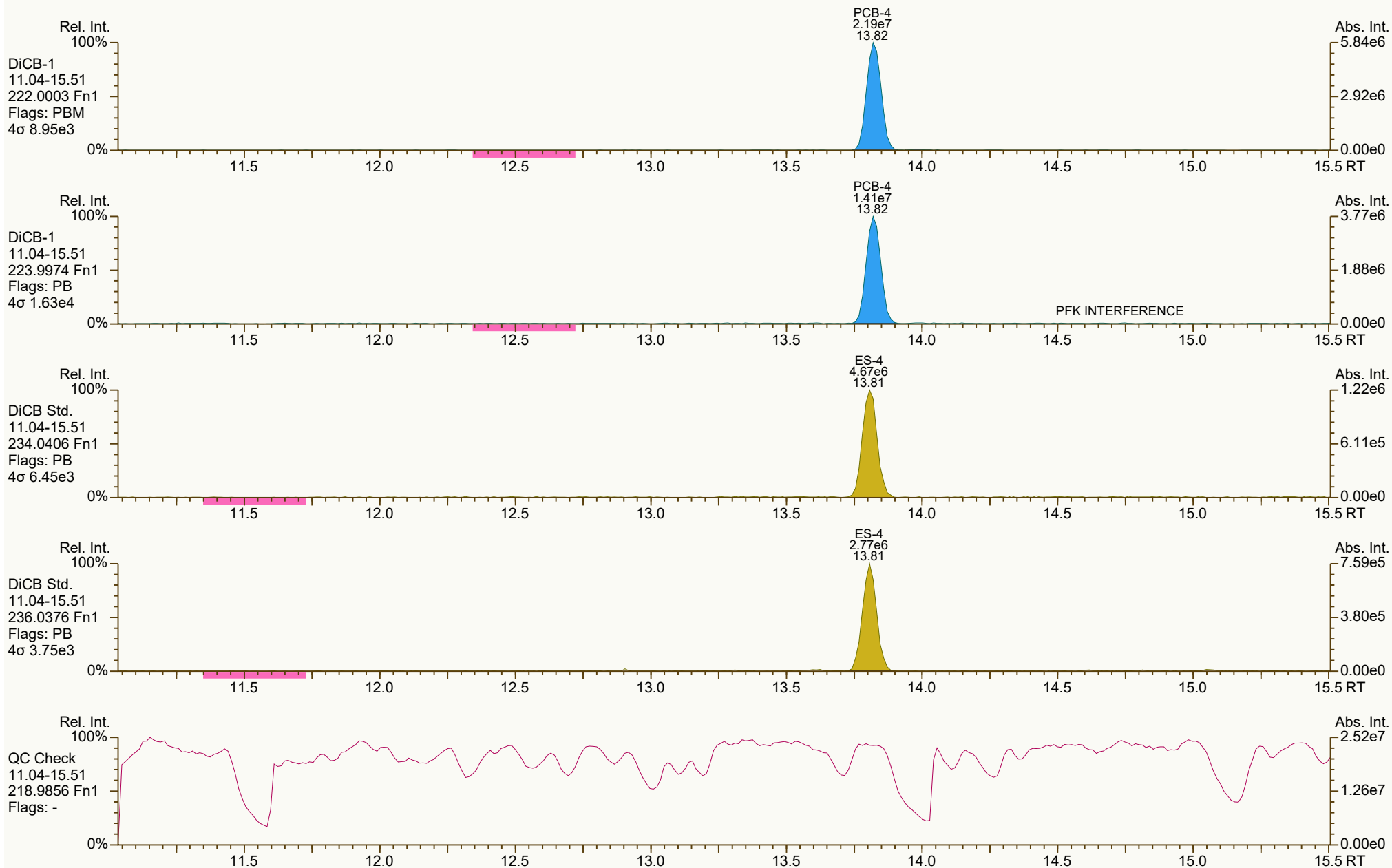
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6868, 9028 scc: 682-863

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 2 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



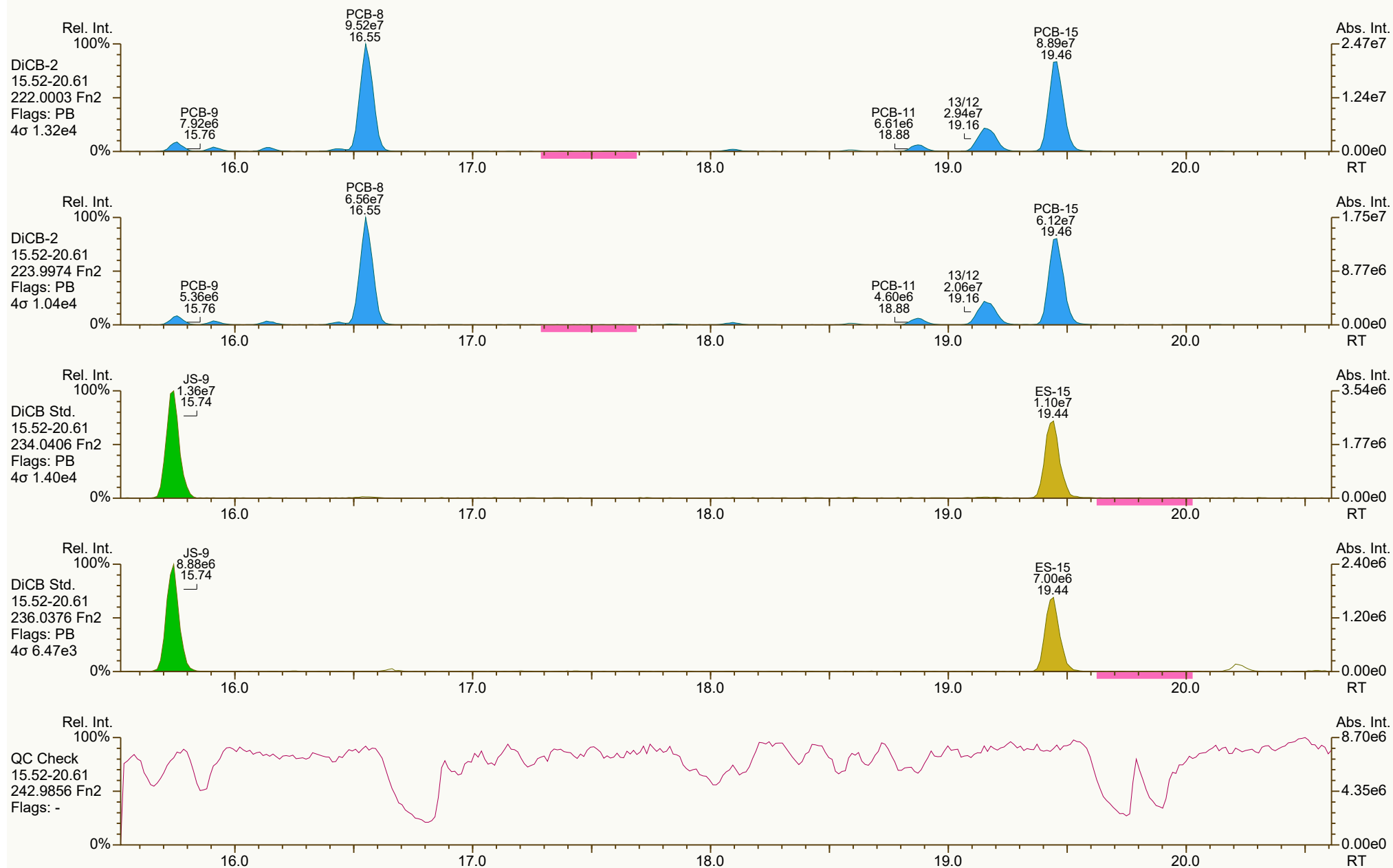
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 11:26 (JLJ) Printed: 23-Oct-2024 11:14 Page 3 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



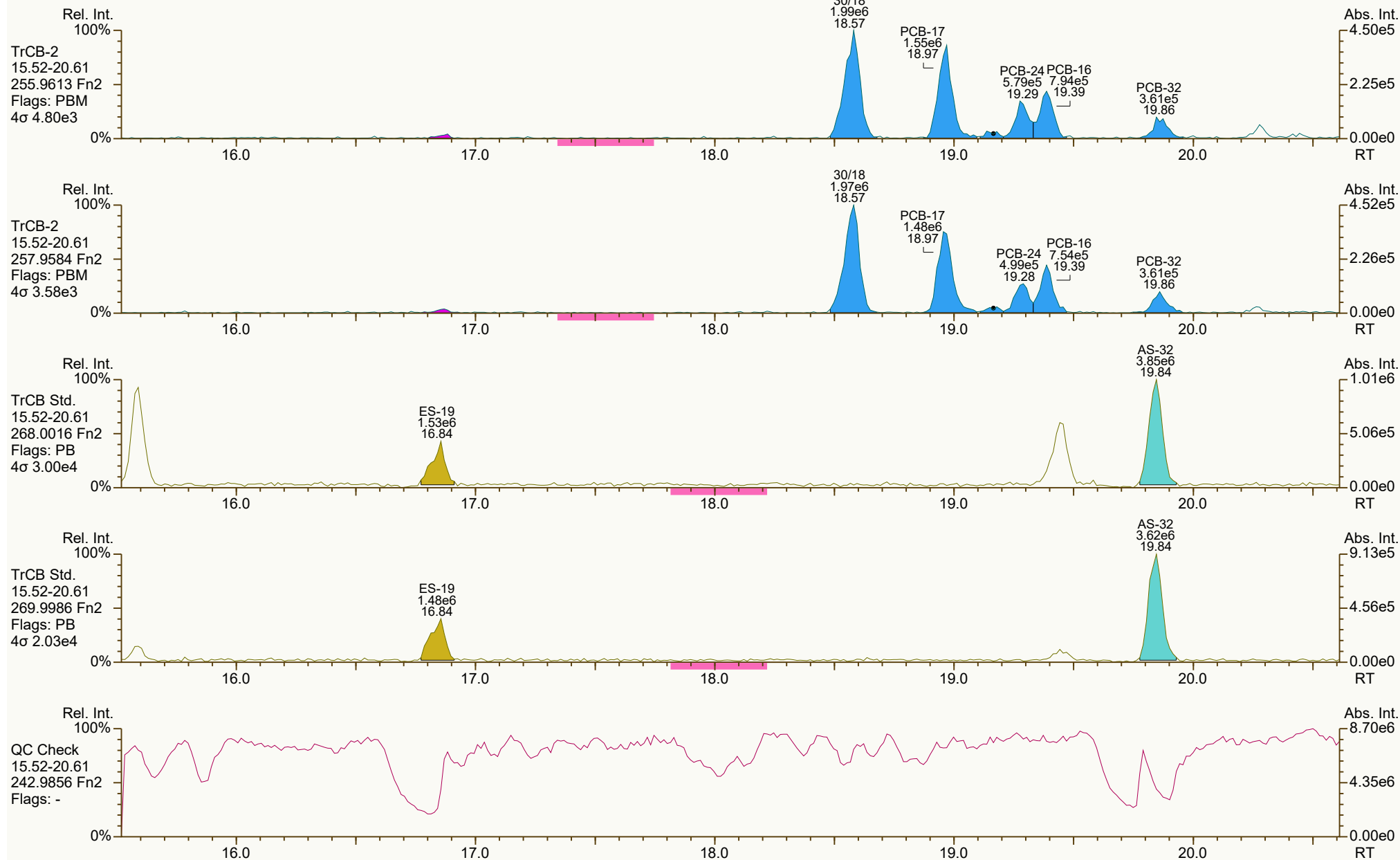
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 4 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
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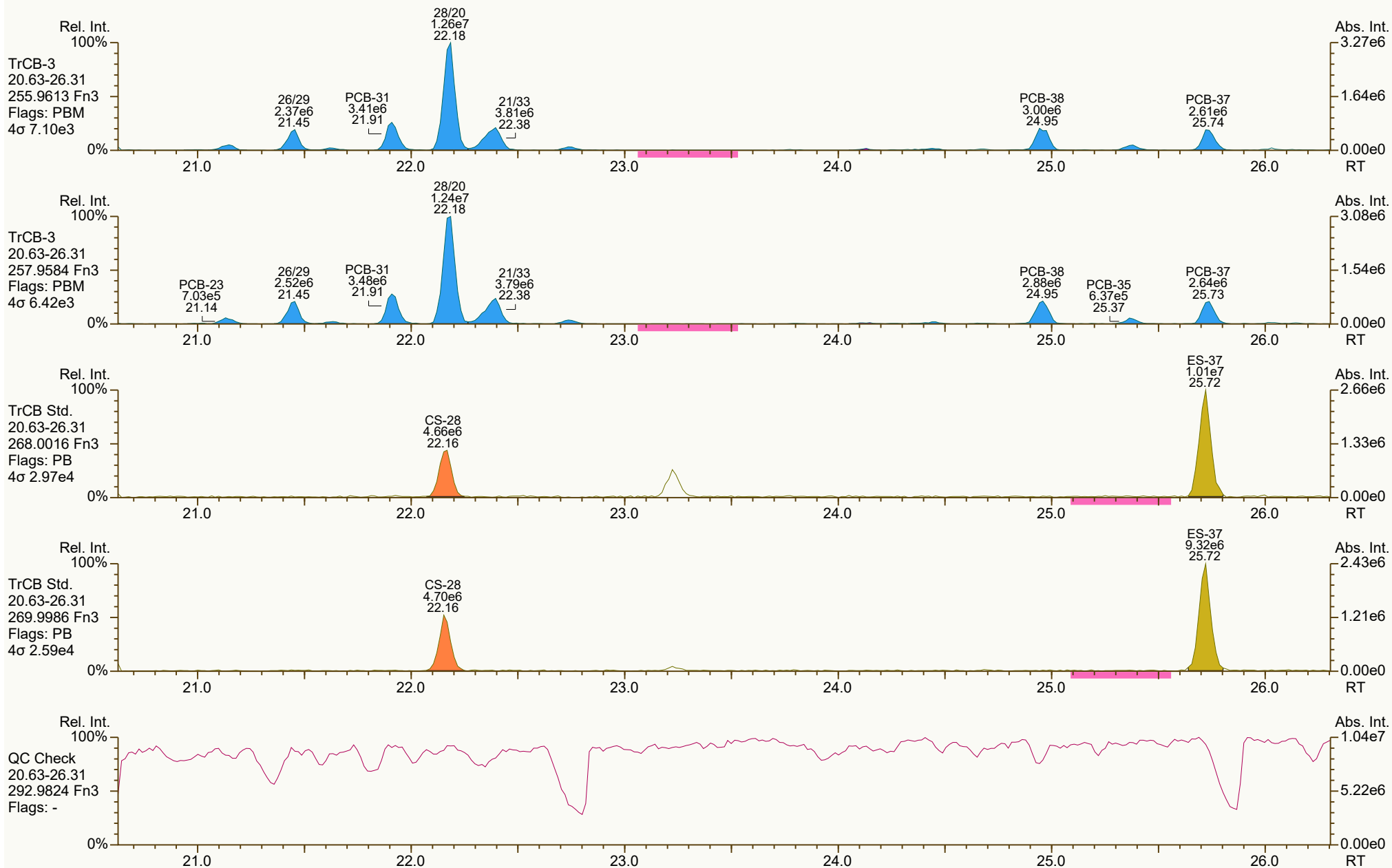
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 5 of 21

SGS ID: B9935_21527_PCB_003-CU
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 6 of 21

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Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



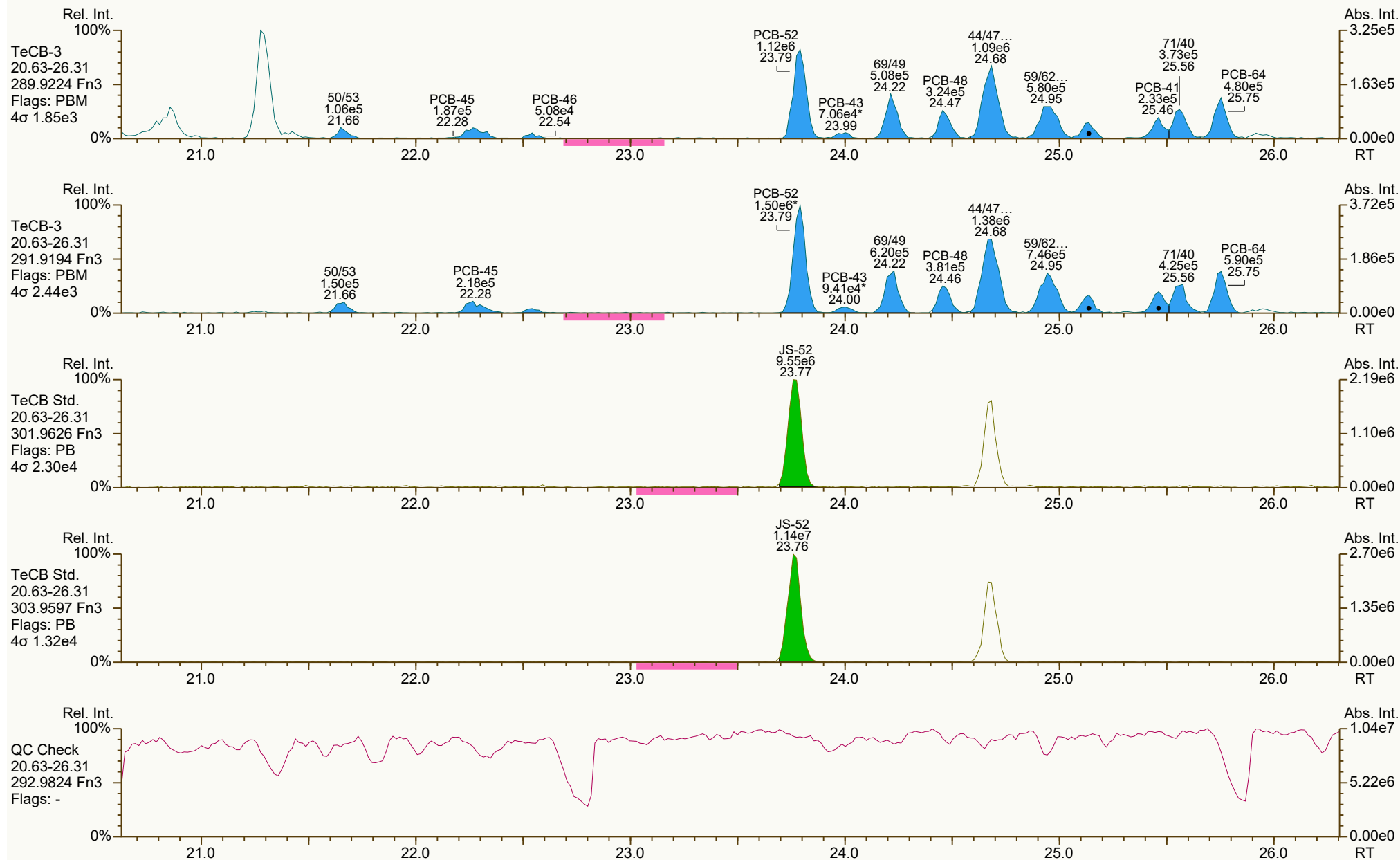
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5045, 9071 scc: 682-863

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 7 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



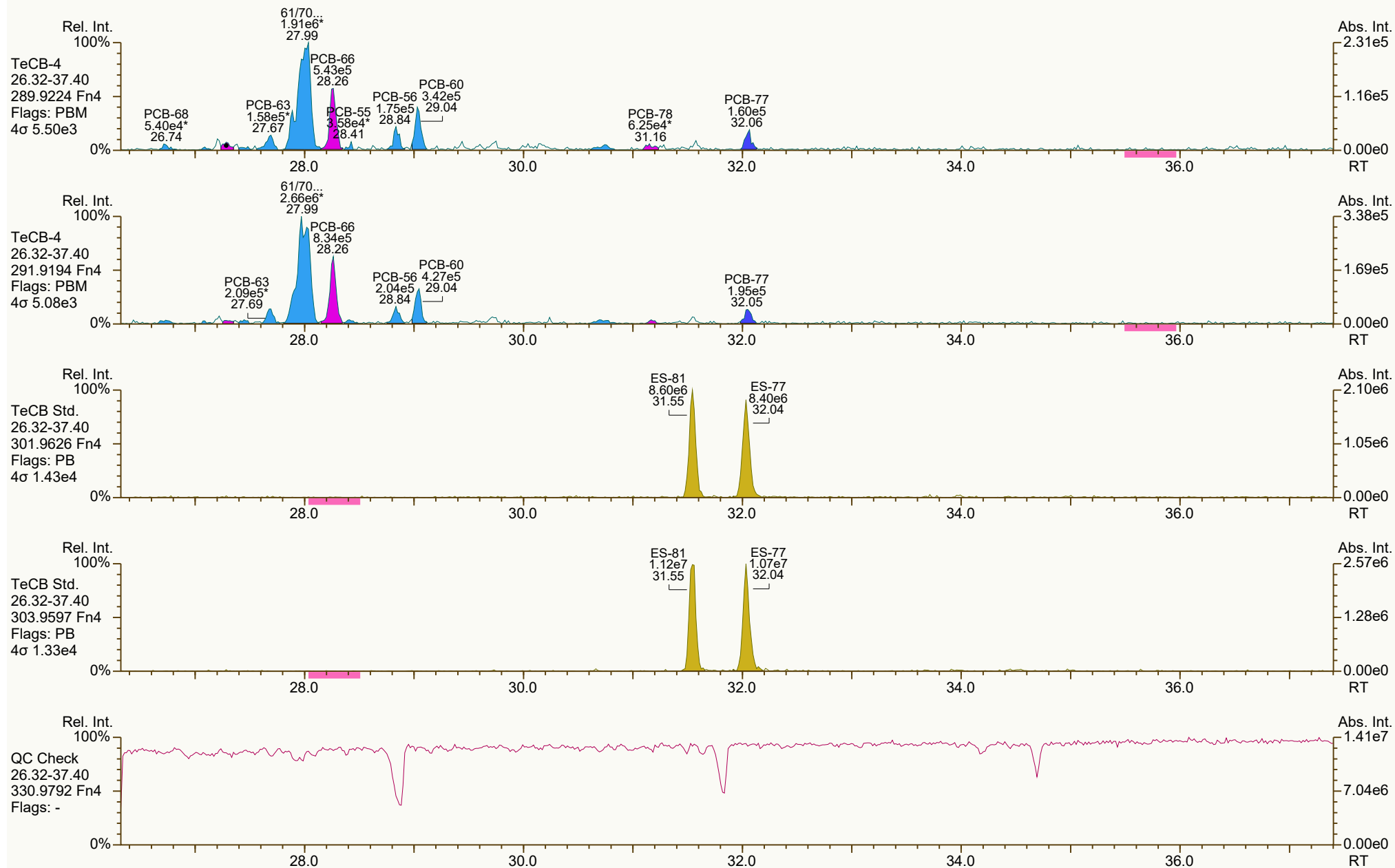
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7786, 9222 scc: 682-863

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 8 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1046, 7369 scc: 682-863

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 9 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

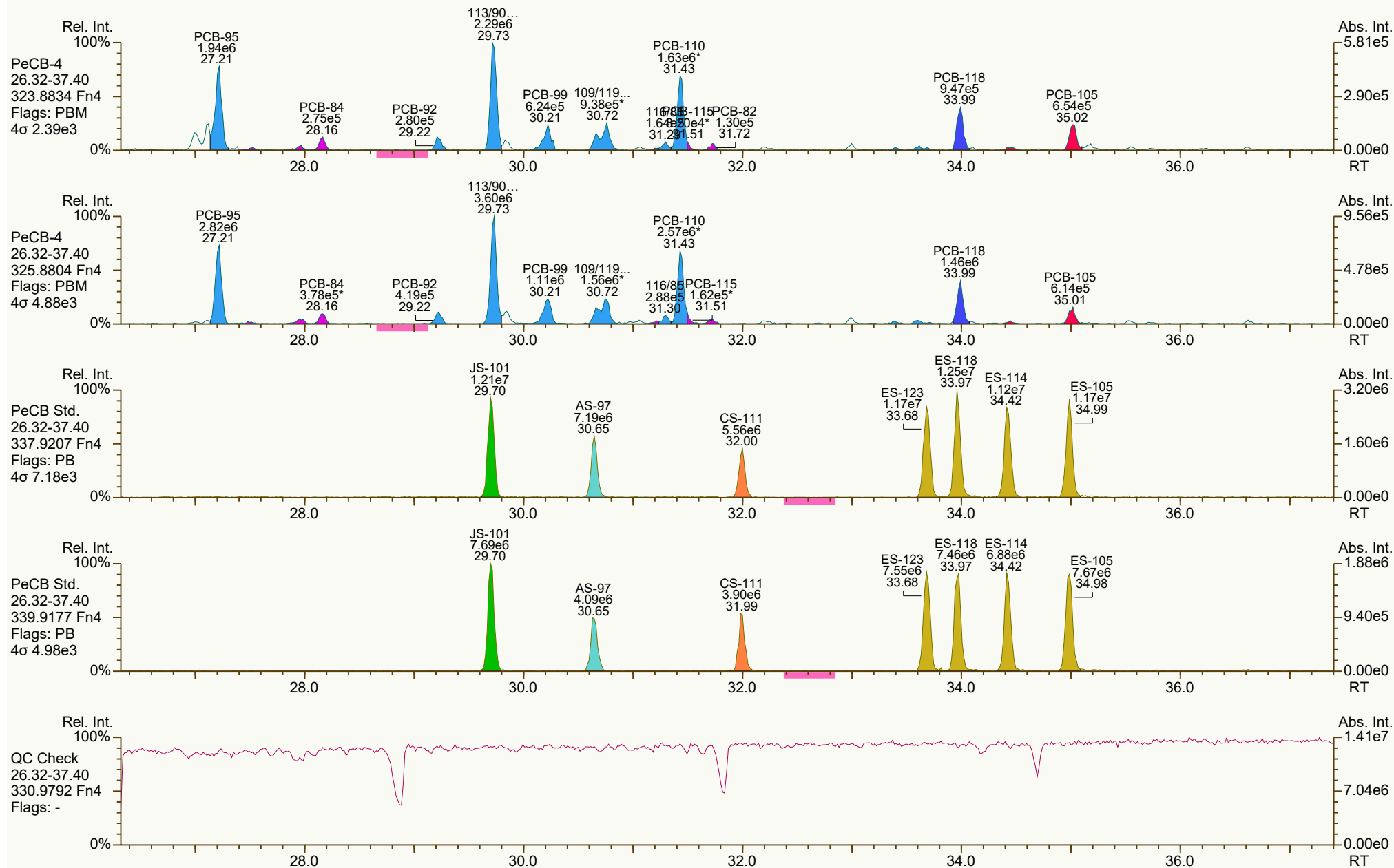
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VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



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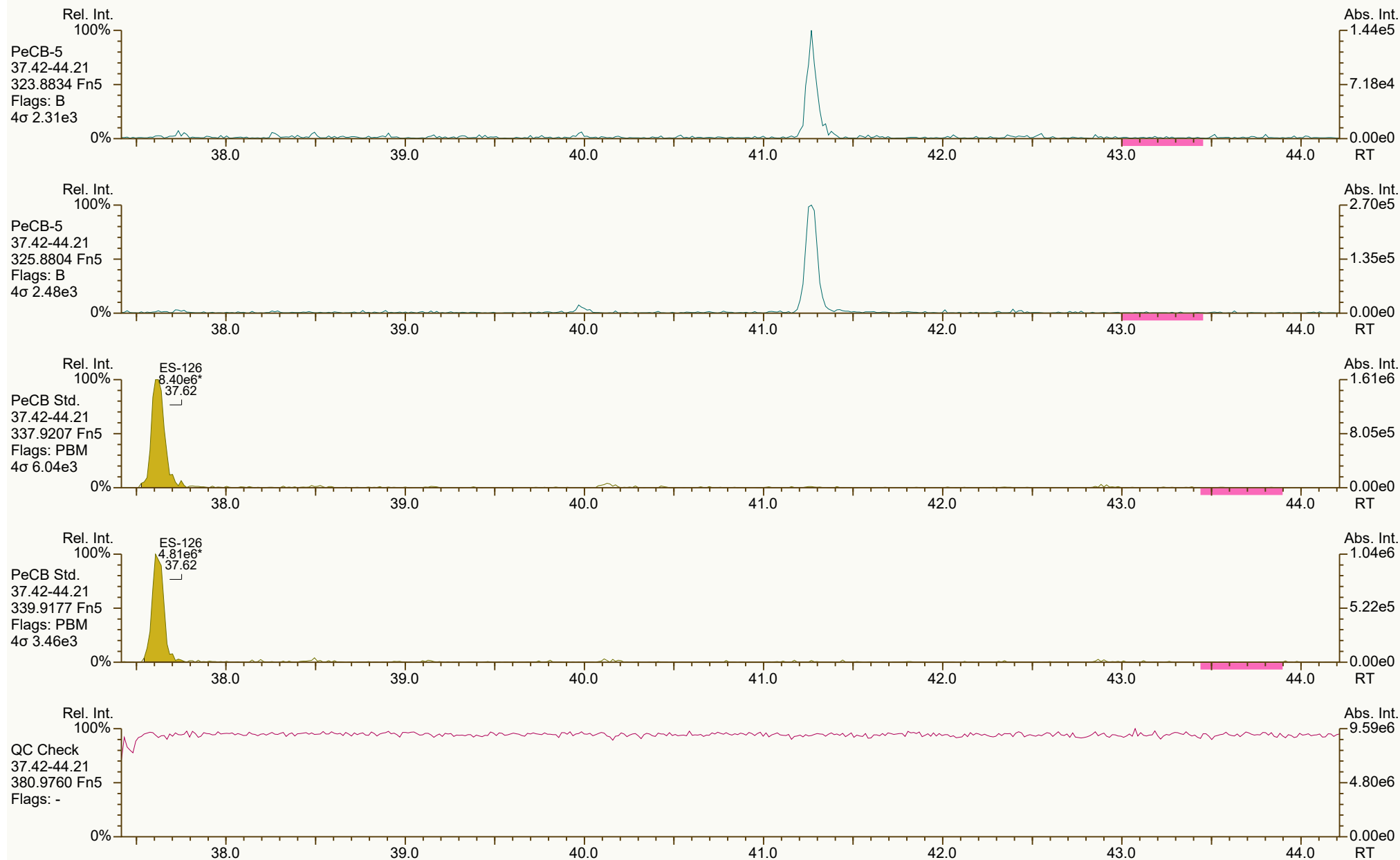
Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 10 of 21



SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



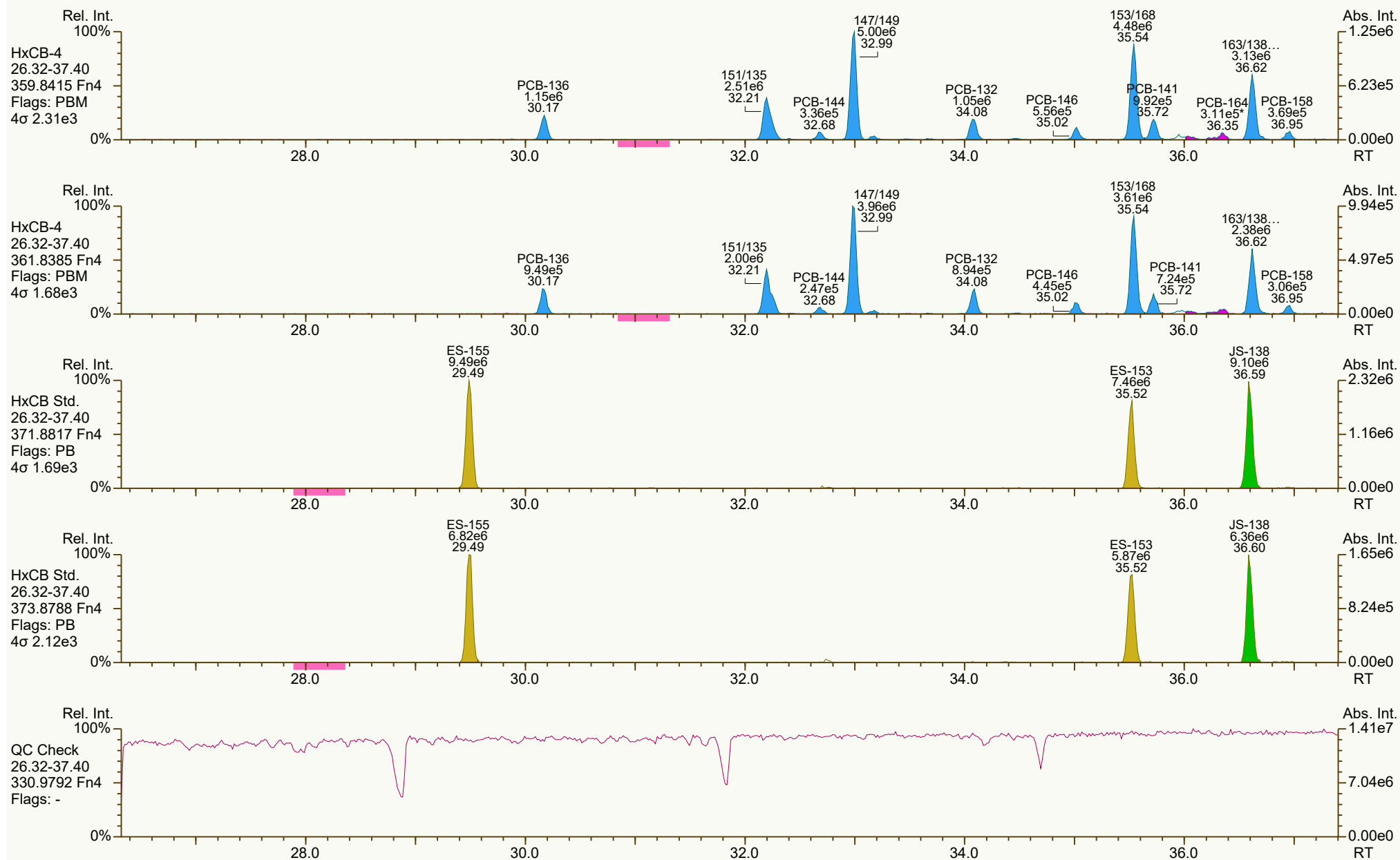
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9476, 7983 scc: 682-863

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 12 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 13 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



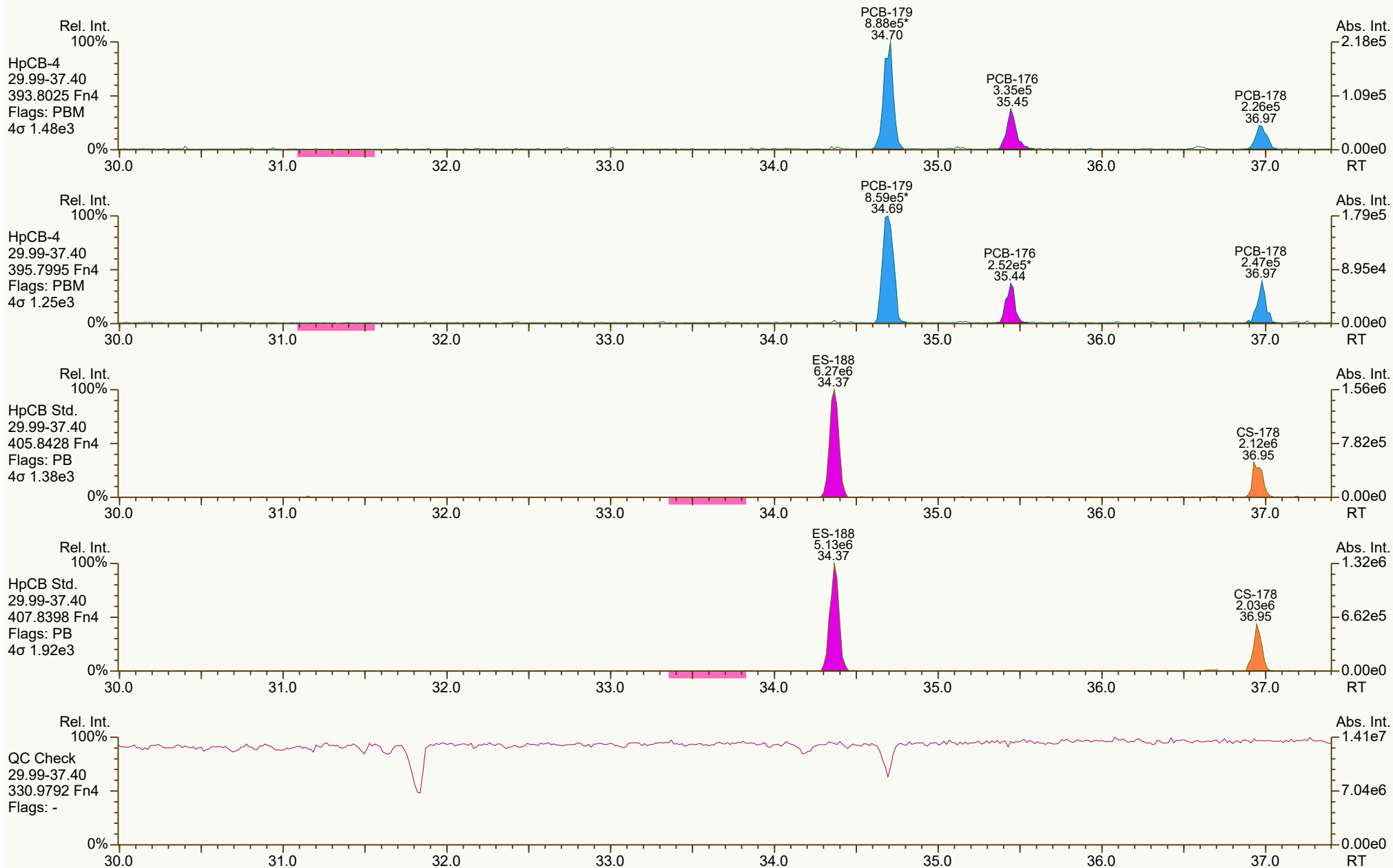
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9592, 5714 scc: 682-863

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 14 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 15 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



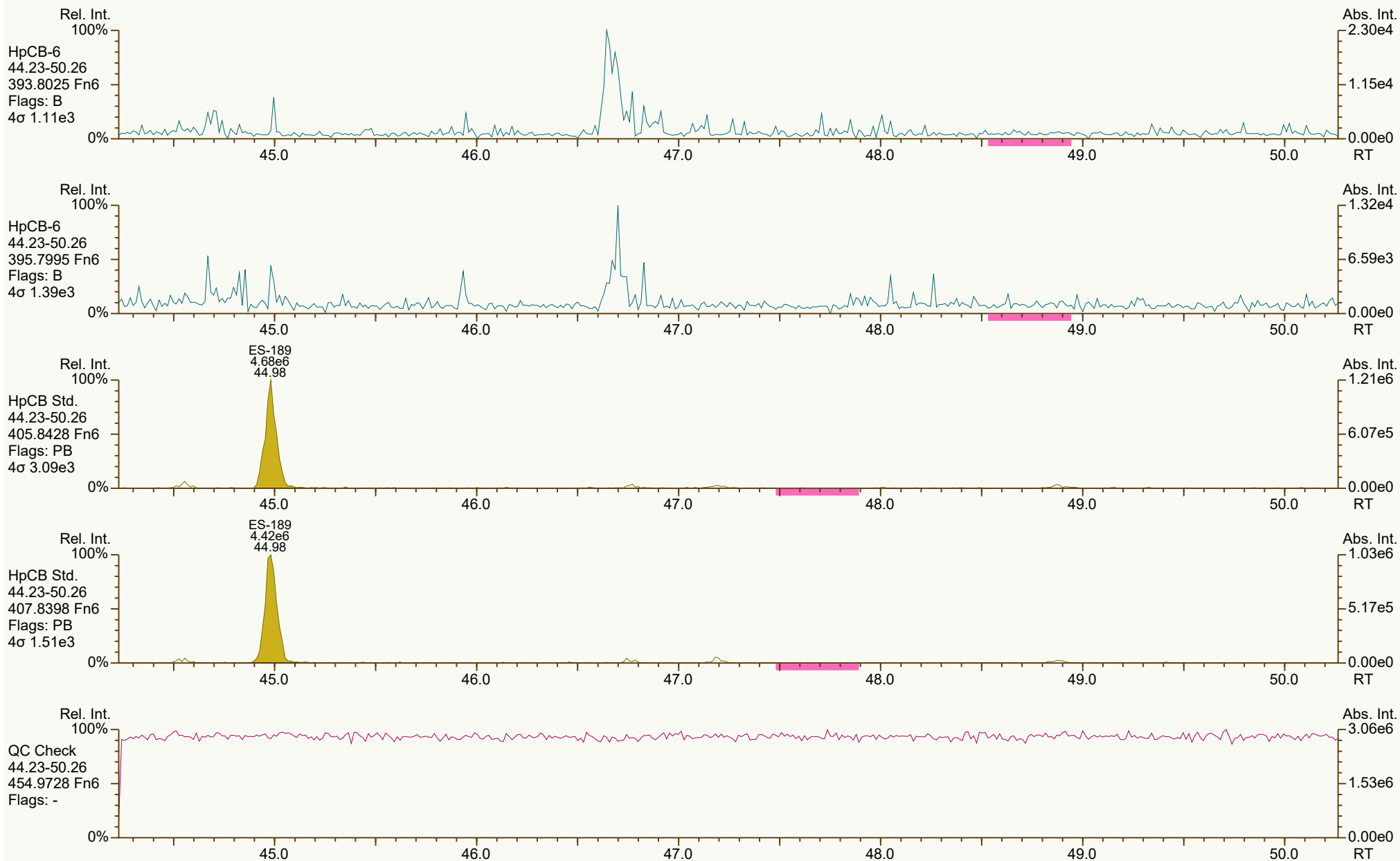
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 16 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



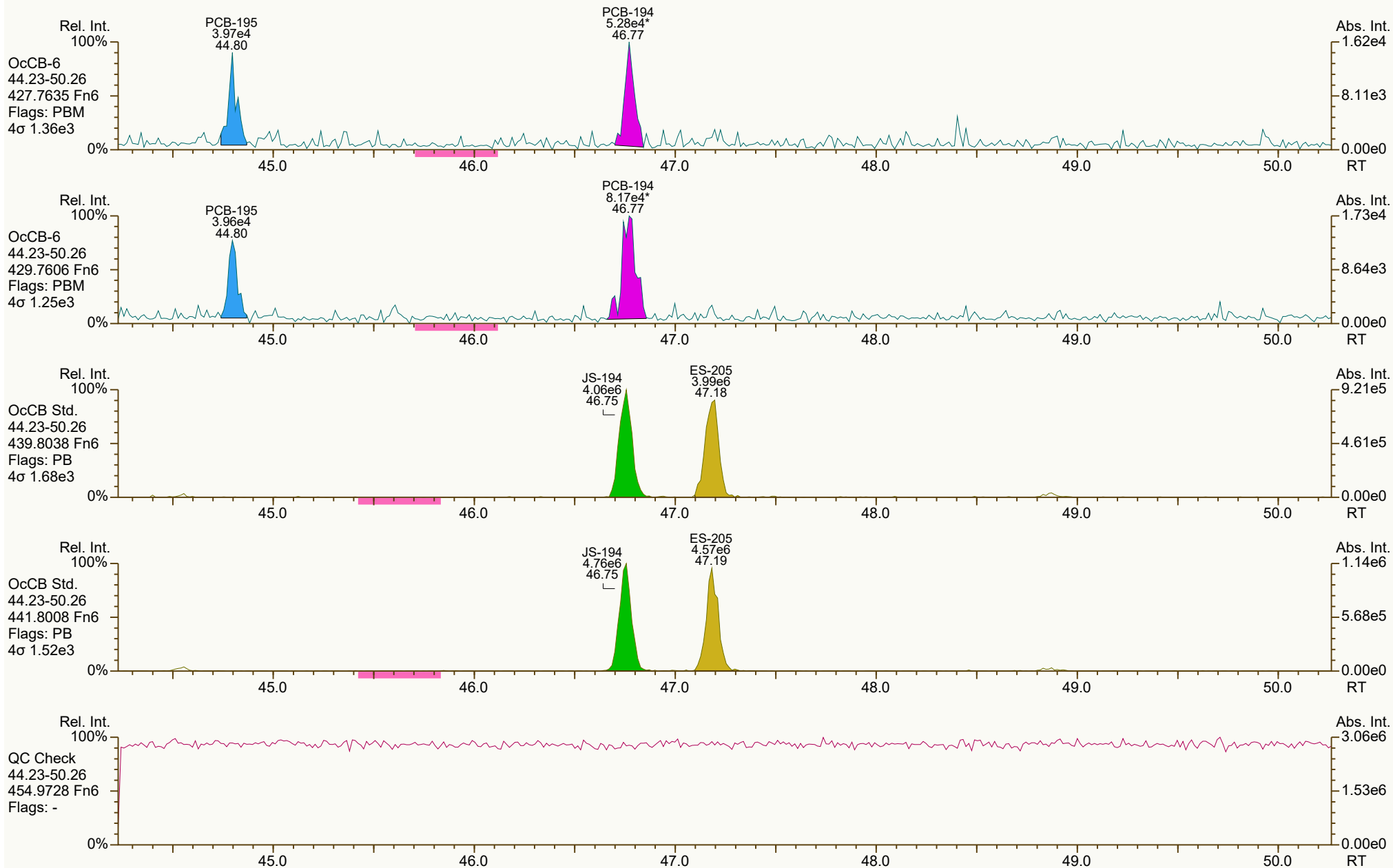
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:14 Page 18 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



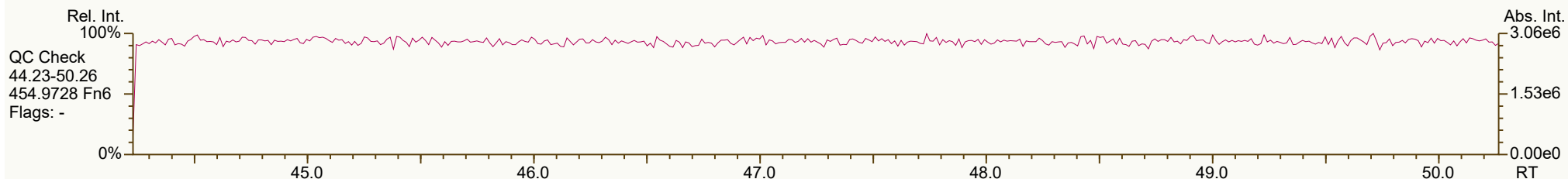
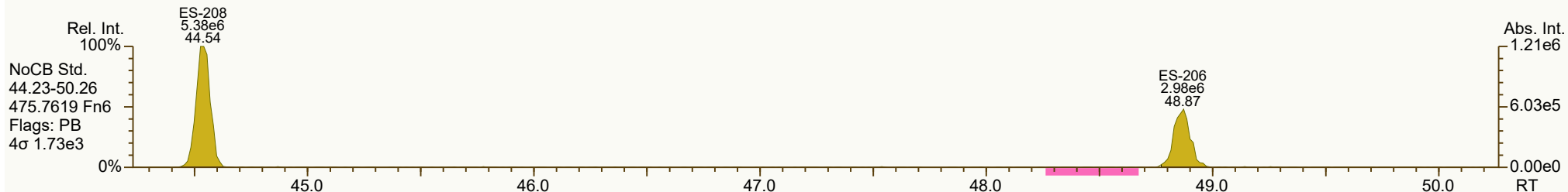
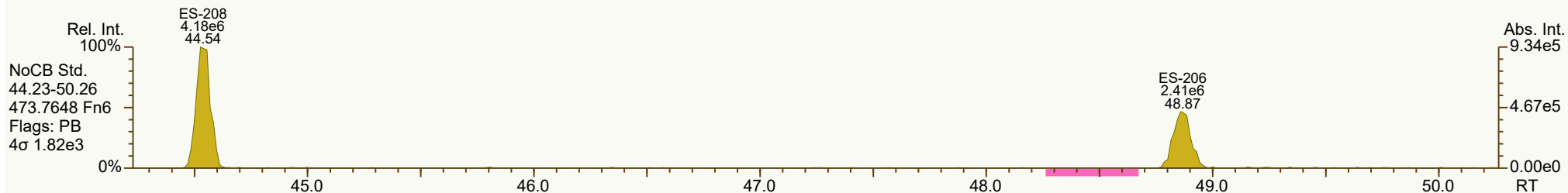
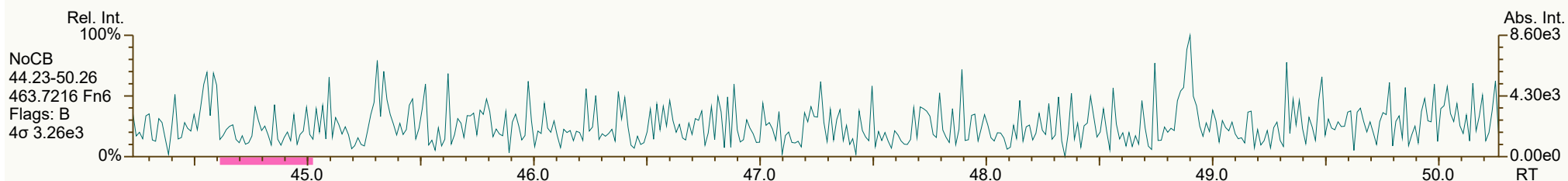
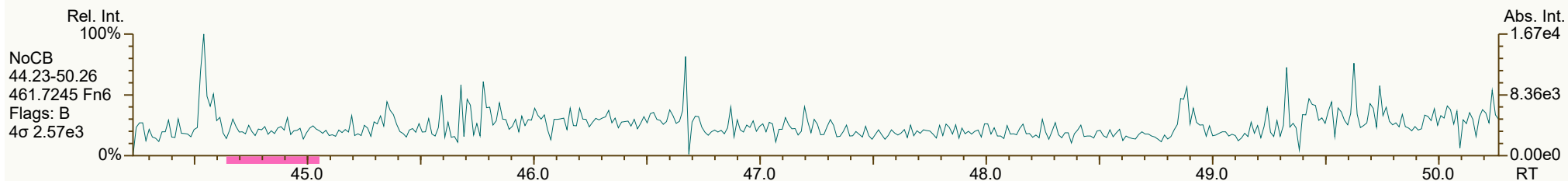
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:06 Printed: 23-Oct-2024 11:15 Page 19 of 21

SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

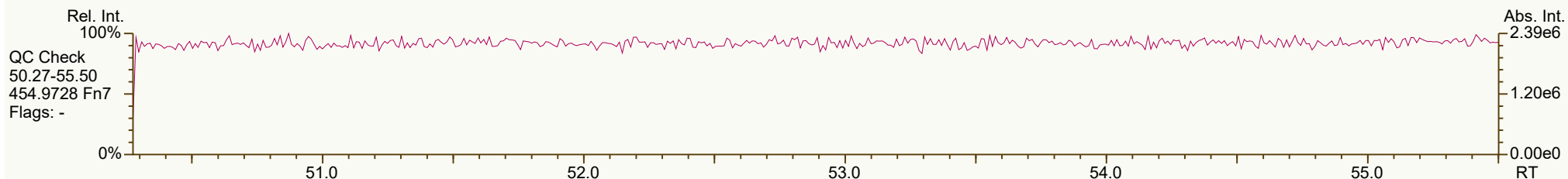
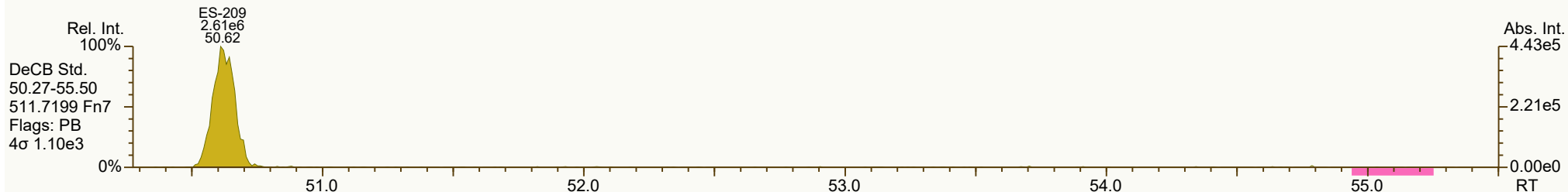
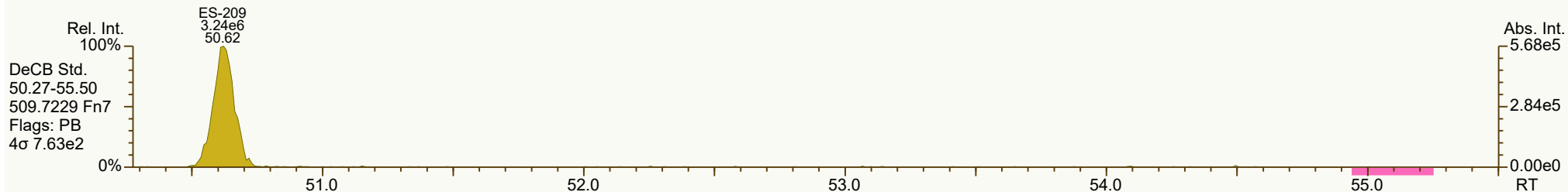
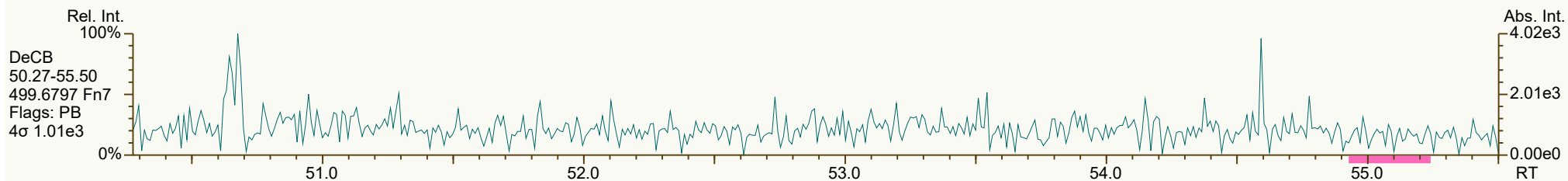
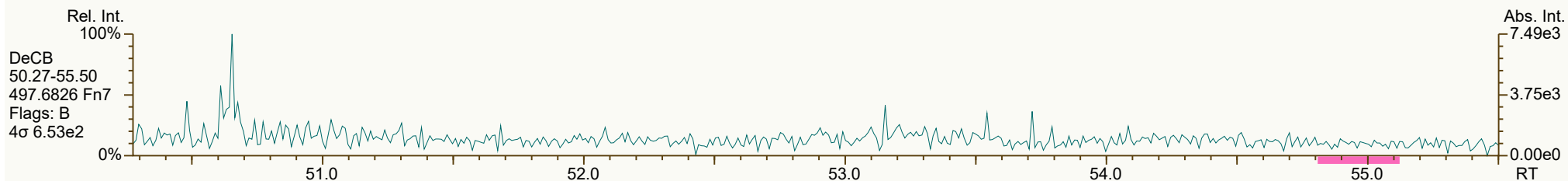
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User: JLJ Datafile: 241016B16



SGS ID: B9935_21527_PCB_003-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 13

Acq: 17-Oct-2024 03:36:37
User: JLJ Datafile: 241016B16



Lab ID: B9935_21527_PCB_004-CU

ACQ: 17-Oct-2024 04:35:19 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #4

UTP: 21-Oct-2024 15:33:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 300-199-RTH/C

Datafile: 241016B17

RPT: 23-Oct-2024 11:15 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	1.0006	0	2.17E+05	0.75	0.95	42.5	9.72E+03	22.7
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	9.72E+03	19.5
PCB-105 233'44'-PeCB	35.09	B EMPC	1.0006	1.0011	+1.1	9.48E+05	1.12	0.97	175	5.54E+03	10.2
PCB-114 2344'5-PeCB	34.51		1.0007	1.0006	-0.2	1.83E+05	0.58	0.96	34.8	5.54E+03	10.3
PCB-118 23'44'5-PeCB	34.07	B	1.0007	1.0008	+0.2	1.83E+06	0.57	0.99	315	5.54E+03	9.59
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	5.54E+03	11.8
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	6.79E+03	16.7
PCB-156/157 ...-HxCB	40.18	B C	1.0005	1.0001	-1.0	3.20E+05	1.20	0.96	73.8	6.59E+03	22.3
PCB-167 23'44'55'-HxCB	39.20	EMPC	1.0005	1.0004	-0.2	1.13E+05	0.83	0.94	22.5	6.59E+03	13.1
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	6.59E+03	19.8
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.08E+03	10.4
PCB-209 DeCB	50.69	J	1.0005	1.0007	+0.6	3.24E+04	1.21	0.95	17.7	1.87E+03	14.1
ES PCB-1	11.42		0.7219	0.7207	-0.8	7.23E+06	3.12	1.19	46.1 %	5%	145%
ES PCB-3	13.65		0.8628	0.8617	-0.9	9.67E+06	2.75	1.13	64.9 %	5%	145%
ES PCB-4	13.89		0.8777	0.8768	-0.7	5.71E+06	1.66	0.72	59.8 %	5%	145%
ES PCB-15	19.55		1.2345	1.2342	-0.4	1.49E+07	1.61	1.07	105 %	5%	145%
ES PCB-19	16.91		1.0688	1.0673	-1.5	1.63E+06	1.03	0.65	19 %	5%	145%
ES PCB-37	25.83		1.0824	1.0813	-1.7	1.63E+07	1.05	1.40	68.7 %	5%	145%
ES PCB-54	19.79		0.8288	0.8285	-0.4	3.90E+06	0.78	1.23	18.6 %	5%	145%
ES PCB-77	32.12		1.3483	1.3446	-7.1	2.15E+07	0.76	1.28	99.2 %	10%	145%
ES PCB-81	31.63		1.3278	1.3241	-7.0	2.14E+07	0.78	1.33	94.9 %	10%	145%
ES PCB-104	24.71		0.8278	0.8290	+1.8	1.00E+07	1.57	1.32	39.9 %	10%	145%
ES PCB-105	35.05		1.1779	1.1759	-4.2	2.24E+07	1.57	1.26	93.1 %	10%	145%
ES PCB-114	34.49		1.1590	1.1572	-3.7	2.19E+07	1.67	1.34	85.1 %	10%	145%
ES PCB-118	34.05		1.1434	1.1422	-2.5	2.35E+07	1.71	1.31	93.9 %	10%	145%
ES PCB-123	33.76		1.1339	1.1326	-2.6	2.22E+07	1.61	1.27	91.5 %	10%	145%
ES PCB-126	37.68		1.2663	1.2640	-5.2	1.76E+07	1.51	1.19	77.8 %	10%	145%
ES PCB-153	35.58		0.9706	0.9708	+0.4	1.73E+07	1.36	1.11	91.5 %	10%	145%
ES PCB-155	29.60		0.8059	0.8075	+2.8	1.83E+07	1.33	1.45	74.2 %	10%	145%
ES PCB-156/157	40.18	C	1.0967	1.0961	-1.4	3.61E+07	1.24	1.24	85.8 %	10%	145%
ES PCB-167	39.19		1.0695	1.0691	-0.9	2.15E+07	1.32	1.29	98 %	10%	145%
ES PCB-169	42.92		1.1714	1.1711	-0.8	1.72E+07	1.22	1.18	85.8 %	10%	145%
ES PCB-170	42.39		0.9058	0.9061	+0.8	1.28E+07	1.06	1.06	118 %	10%	145%
ES PCB-180	41.31		0.8827	0.8829	+0.5	1.52E+07	1.08	1.25	117 %	10%	145%
ES PCB-188	34.44		0.9393	0.9395	+0.4	1.48E+07	1.10	1.36	64 %	10%	145%
ES PCB-189	45.01		0.9619	0.9621	+0.5	1.25E+07	1.02	1.37	88.1 %	10%	145%
ES PCB-202	38.96		1.0635	1.0628	-1.6	1.53E+07	0.89	1.19	75.8 %	10%	145%
ES PCB-205	47.21		1.0093	1.0092	-0.3	1.17E+07	0.85	1.23	91.8 %	10%	145%
ES PCB-206	48.89		1.0458	1.0451	-2.1	7.26E+06	0.81	0.89	79.3 %	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	44.57		0.9528	0.9527	-0.3	1.34E+07	0.84	1.26	104 %	10%	145%
ES PCB-209	50.65		1.0840	1.0827	-4.0	7.67E+06	1.16	0.98	75.6 %	10%	145%
SS PCB-28	22.28		0.9324	0.9325	+0.1	1.38E+07	1.08	1.04	81.5 %	5%	145%
SS PCB-111	32.08		1.0771	1.0764	-1.3	2.02E+07	1.51	0.98	92.5 %	10%	145%
SS PCB-178	37.01		1.0099	1.0097	-0.4	1.07E+07	1.17	0.71	102 %	10%	145%
CS PCB-28	22.28		0.9324	0.9325	+0.1	1.38E+07	1.08	1.44	56.3 %	5%	145%
CS PCB-111	32.08		1.0771	1.0764	-1.3	2.02E+07	1.51	1.24	85 %	10%	145%
CS PCB-178	37.01		1.0099	1.0097	-0.4	1.07E+07	1.17	0.96	65.2 %	10%	145%
JS PCB-9	15.84					1.32E+07	1.52				
JS PCB-52	23.89					1.70E+07	0.82				
JS PCB-101	29.81					1.91E+07	1.50				
JS PCB-138	36.65					1.70E+07	1.21				
JS PCB-194	46.78					1.03E+07	0.90				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	1,050,000	1,050,000	122		
						Di-CB	184,000	184,000	109		
						Tri-CB	29,400	29,400	157		
						Tetra-CB	2,490	2,550	22.4		
						Penta-CB	1,400	2,430	11.8		
						Hexa-CB	3,060	3,150	15.9		
						Hepta-CB	779	1,350	12.4		
						Octa-CB	137	253	9.02		
						Nona-CB	0	0	23.5		

Lab ID: B9935_21527_PCB_004-CU

ACQ: 17-Oct-2024 04:35:19 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #4

UTP: 21-Oct-2024 15:33:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 300-199-RTH/C

Datafile: 241016B17

RPT: 23-Oct-2024 11:15 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	1.0012	0	1.53E+08	3.00	1.01	84,200	1.43E+04	146
PCB-2 3-MoCB	13.49	E	0.9879	0.9881	+0.2	7.32E+08	2.95	0.87	346,000	1.43E+04	113
PCB-3 4-MoCB	13.66	E	1.0010	1.0010	0	1.51E+09	2.98	1.01	617,000	1.43E+04	97.2
PCB-4 22'-DiCB	13.90		1.0012	1.0010	-0.2	5.12E+07	1.57	0.98	36,500	1.41E+04	146
PCB-10 26-DiCB	ND		1.0136					1.62	ND	1.41E+04	88.7
PCB-9 25-DiCB	15.86		1.0010	1.0011	+0.1	1.21E+07	1.49	0.78	4,170	1.69E+04	90.5
PCB-7 24-DiCB	16.02		1.0112	1.0112	0	7.38E+06	1.50	0.72	2,760	1.69E+04	98
PCB-6 23'-DiCB	16.24		1.0259	1.0253	-0.6	8.03E+06	1.49	0.84	2,570	1.69E+04	84
PCB-5 23-DiCB	16.51		1.0445	1.0423	-2.2	2.21E+06	1.43	0.68	870	1.69E+04	103
PCB-8 24'-DiCB	16.65		1.0520	1.0511	-0.9	2.28E+08	1.47	0.89	69,200	1.69E+04	79.4
PCB-14 35-DiCB	18.21		0.9307	0.9315	+0.9	3.51E+06	1.45	0.72	1,320	1.69E+04	98.1
PCB-11 33'-DiCB	18.99	B	0.9711	0.9712	+0.1	1.04E+07	1.52	0.78	3,580	1.69E+04	89.9
PCB-13/12 34'/34-DiCB	19.27	C	0.9858	0.9859	+0.1	4.45E+07	1.44	0.71	16,800	1.69E+04	98.8
PCB-15 44'-DiCB	19.57		1.0007	1.0009	+0.2	1.66E+08	1.47	0.97	46,300	1.69E+04	72.9
PCB-19 22'6-TrCB	ND		1.0011					1.03	ND	7.53E+03	260
PCB-30/18 246/22'5-TrCB	18.68	C	1.1030	1.1047	+1.9	3.71E+06	1.02	1.62	5,620	7.53E+03	166
PCB-17 22'4-TrCB	19.08		1.1270	1.1285	+1.7	2.89E+06	0.96	1.11	6,420	7.53E+03	243
PCB-27 23'6-TrCB	ND		1.1387					1.52	ND	7.53E+03	176
PCB-24 236-TrCB	19.39		1.1462	1.1469	+0.8	1.37E+06	1.12	1.55	2,170	7.53E+03	173
PCB-16 22'3-TrCB	19.50		1.1524	1.1535	+1.3	1.12E+06	0.96	1.16	2,390	7.53E+03	233
PCB-32 24'6-TrCB	19.99		1.1803	1.1822	+2.3	6.11E+05	1.04	1.73	871	7.53E+03	156
PCB-34 23'5'-TrCB	ND		0.8163					0.91	ND	1.77E+04	62.1
PCB-23 235-TrCB	21.26		0.8218	0.8231	+1.7	1.39E+06	0.96	0.98	348	1.77E+04	57.5
PCB-26/29 23'5/245-TrCB	ND	C	0.8330					0.96	ND	1.77E+04	58.7
PCB-25 23'4-TrCB	21.75		0.8409	0.8419	+1.3	3.15E+05	0.92	1.18	65.4	1.77E+04	47.8
PCB-31 24'5-TrCB	22.03		0.8517	0.8530	+1.7	5.00E+06	0.96	1.15	1,070	1.77E+04	49.2
PCB-28/20 244'/233'-TrCB	22.30	C	0.8626	0.8632	+0.8	2.59E+07	0.99	1.04	6,100	1.77E+04	54.2
PCB-21/33 234/23'4'-TrCB	22.49	C	0.8696	0.8707	+1.5	6.54E+06	1.04	1.03	1,550	1.77E+04	54.7
PCB-22 234'-TrCB	22.86	B	0.8845	0.8849	+0.5	6.38E+05	1.12	1.11	141	1.77E+04	50.8
PCB-36 33'5-TrCB	ND		0.9378					1.11	ND	1.77E+04	50.6
PCB-39 34'5-TrCB	24.55		0.9504	0.9505	+0.1	4.03E+05	0.91	1.00	99.2	1.77E+04	56.7
PCB-38 345-TrCB	25.07		0.9706	0.9707	+0.2	6.34E+06	0.97	1.02	1,530	1.77E+04	55.4
PCB-35 33'4-TrCB	25.49		0.9865	0.9867	+0.3	8.89E+05	1.11	0.97	225	1.77E+04	58.3
PCB-37 344'-TrCB	25.85		1.0007	1.0007	0	3.19E+06	1.02	1.03	758	1.77E+04	54.7
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.50E+03	51.4
PCB-50/53 22'46/22'56'-TeCB	21.77	J EMPC C	0.9120	0.9114	-0.8	1.17E+05	1.07	0.91	24	4.62E+03	9.59
PCB-45 22'36'-TeCB	22.37	B	0.9369	0.9363	-0.8	1.87E+05	0.79	0.63	55.1	4.62E+03	13.8
PCB-51 22'46'-TeCB	22.45	J B	0.9395	0.9397	+0.3	9.62E+04	0.87	1.06	17.1	4.62E+03	8.31
PCB-46 22'36'-TeCB	ND		0.9488					0.73	ND	4.62E+03	12
PCB-52 22'55'-TeCB	23.91	B	1.0010	1.0010	0	1.17E+06	0.85	0.97	224	4.62E+03	9.01
PCB-73 23'5'6'-TeCB	ND		1.0061					1.21	ND	4.62E+03	7.27

Lab ID: B9935_21527_PCB_004-CU

ACQ: 17-Oct-2024 04:35:19 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #4

UTP: 21-Oct-2024 15:33:11 JLJ

J-level: 20 pg Split: 2

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Datafile: 241016B17

RPT: 23-Oct-2024 11:15 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	24.12		1.0100	1.0099	-0.1	1.45E+05	0.75	0.91	29.8	4.62E+03	9.62
PCB-69/49 23'46/22'45'-TeCB	24.34	B C	1.0181	1.0189	+1.2	5.55E+05	0.79	1.03	101	4.62E+03	8.51
PCB-48 22'45'-TeCB	24.58		1.0299	1.0292	-1.0	6.18E+05	0.82	0.86	134	4.62E+03	10.2
PCB-44/47/65 ...-TeCB	24.80	B C	1.0391	1.0382	-1.3	1.43E+06	0.75	0.99	271	4.62E+03	8.88
PCB-59/62/75 ...-TeCB	25.07	C	1.0505	1.0493	-1.8	1.41E+06	0.82	1.12	236	4.62E+03	7.85
PCB-42 22'34'-TeCB	25.25	EMPC	1.0580	1.0569	-1.7	1.72E+05	1.20	0.79	40.6	4.62E+03	11.1
PCB-41 22'34'-TeCB	25.58		1.0720	1.0708	-1.8	5.33E+05	0.78	0.65	153	4.62E+03	13.4
PCB-71/40 23'4'6/22'33'-TeCB	25.68	B C	1.0761	1.0751	-1.5	3.49E+05	0.67	0.96	67.9	4.62E+03	9.12
PCB-64 234'6'-TeCB	25.86	B	1.0844	1.0827	-2.6	5.90E+05	0.77	1.15	96.1	4.62E+03	7.62
PCB-72 23'55'-TeCB	ND		0.8391					0.91	ND	9.72E+03	20.2
PCB-68 23'45'-TeCB	ND		0.8471					0.88	ND	9.72E+03	21
PCB-57 233'5'-TeCB	ND		0.8589					0.93	ND	9.72E+03	19.8
PCB-58 233'5'-TeCB	ND		0.8655					1.04	ND	9.72E+03	17.7
PCB-67 23'45'-TeCB	ND		0.8702					1.08	ND	9.72E+03	17
PCB-63 234'5'-TeCB	27.80		0.8775	0.8788	+2.2	3.61E+05	0.79	0.85	79.3	9.72E+03	21.6
PCB-61/70/74/76 ...-TeCB	28.11	B C	0.8867	0.8887	+3.4	3.52E+06	0.75	0.97	680	9.72E+03	19
PCB-66 23'44'-TeCB	28.38	B	0.8958	0.8972	+2.4	6.35E+05	0.77	0.98	121	9.72E+03	18.8
PCB-55 233'4'-TeCB	ND		0.9006					1.01	ND	9.72E+03	18.3
PCB-56 233'4'-TeCB	28.96		0.9145	0.9156	+1.9	1.13E+05	0.70	0.96	22	9.72E+03	19.2
PCB-60 2344'-TeCB	29.16		0.9206	0.9218	+2.1	6.96E+05	0.72	0.83	158	9.72E+03	22.3
PCB-80 33'55'-TeCB	ND		0.9306					0.95	ND	9.72E+03	19.4
PCB-79 33'45'-TeCB	ND		0.9730					1.03	ND	9.72E+03	17.9
PCB-78 33'45'-TeCB	ND		0.9884					0.85	ND	9.72E+03	21.6
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.74E+03	12
PCB-96 22'366'-PeCB	ND		1.0146					1.11	ND	2.74E+03	10.8
PCB-103 22'45'6'-PeCB	ND		0.8960					0.84	ND	5.54E+03	13.4
PCB-94 22'356'-PeCB	ND		0.9027					0.71	ND	5.54E+03	15.9
PCB-95 22'35'6'-PeCB	27.33	B EMPC	0.9159	0.9170	+1.8	1.09E+06	0.83	0.80	246	5.54E+03	14.1
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.79	ND	5.54E+03	14.3
PCB-102 22'456'-PeCB	ND		0.9261					0.92	ND	5.54E+03	12.3
PCB-98 22'34'6'-PeCB	ND		0.9284					0.92	ND	5.54E+03	12.3
PCB-88 22'346'-PeCB	ND		0.9386					0.76	ND	5.54E+03	14.8
PCB-91 22'34'6'-PeCB	28.05		0.9411	0.9412	+0.2	1.99E+05	0.56	0.80	45.1	5.54E+03	14.2
PCB-84 22'33'6'-PeCB	28.27	B EMPC	0.9479	0.9486	+1.2	2.87E+05	0.87	0.67	76.7	5.54E+03	16.8
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	5.54E+03	14
PCB-121 23'45'6'-PeCB	ND		0.9725					1.20	ND	5.54E+03	9.39
PCB-92 22'355'-PeCB	29.34	B EMPC	0.9838	0.9844	+1.1	2.58E+05	0.44	0.76	61.7	5.54E+03	15
PCB-113/90/101 ...-PeCB	29.83	B C	1.0000	1.0008	+1.4	2.19E+06	0.66	0.88	447	5.54E+03	12.8
PCB-83 22'33'5'-PeCB	30.23		1.0148	1.0143	-0.9	1.13E+05	0.56	0.63	32.5	5.54E+03	18
PCB-99 22'44'5'-PeCB	30.31	B EMPC	1.0176	1.0170	-1.1	9.80E+05	0.51	1.01	174	5.54E+03	11.1
PCB-112 233'56'-PeCB	ND		1.0213					1.30	ND	5.54E+03	8.67

Lab ID: B9935_21527_PCB_004-CU

ACQ: 17-Oct-2024 04:35:19 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #4

UTP: 21-Oct-2024 15:33:11 JLJ

J-level: 20 pg Split: 2

Checkcode: 300-199-RTH/C

Datafile: 241016B17

RPT: 23-Oct-2024 11:15 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	30.81	B EMPC C	1.0330	1.0337	+1.3	1.36E+06	0.52	0.95	260	5.54E+03	11.9
PCB-117 234'56-PeCB	31.30	J EMPC	1.0509	1.0500	-1.7	1.01E+05	0.50	1.01	18	5.54E+03	11.2
PCB-116/85 23456/22'344'-PeCB	31.38	B C	1.0538	1.0527	-2.1	2.97E+05	0.71	0.87	61.8	5.54E+03	13
PCB-110 233'4'6-PeCB	31.52	B	1.0582	1.0575	-1.3	2.20E+06	0.60	1.05	379	5.54E+03	10.8
PCB-115 2344'6-PeCB	31.62	EMPC	1.0605	1.0607	+0.4	1.49E+05	0.44	1.30	20.6	5.54E+03	8.67
PCB-82 22'33'4-PeCB	31.80		1.0679	1.0667	-2.3	1.60E+05	0.56	0.76	38	5.54E+03	14.9
PCB-111 233'55'-PeCB	ND		1.0779					1.03	ND	5.54E+03	10.9
PCB-120 23'455'-PeCB	ND		1.0913					1.23	ND	5.54E+03	9.16
PCB-108/124 ...-PeCB	33.47	J C	0.9915	0.9914	-0.2	8.74E+04	0.64	0.98	16.1	5.54E+03	11.6
PCB-107 233'4'5-PeCB	33.70		0.9976	0.9981	+1.0	1.99E+05	0.66	1.10	32.7	5.54E+03	10.3
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	5.54E+03	10.7
PCB-122 233'4'5'-PeCB	ND		1.0095					0.83	ND	5.54E+03	11.9
PCB-127 33'455'-PeCB	ND		1.0357					1.02	ND	5.54E+03	9.73
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.54E+03	8.35
PCB-152 22'3566'-HxCB	ND		1.0072					1.15	ND	3.54E+03	6.94
PCB-150 22'34'66'-HxCB	ND		1.0118					1.01	ND	3.54E+03	7.87
PCB-136 22'33'66'-HxCB	30.26		1.0228	1.0225	-0.5	4.90E+05	1.24	0.91	117	3.54E+03	8.73
PCB-145 22'3466'-HxCB	ND		1.0313					1.05	ND	3.54E+03	7.6
PCB-148 22'34'56'-HxCB	ND		1.0741					1.11	ND	3.54E+03	7.53
PCB-151/135 ...-HxCB	32.30	B C	1.0925	1.0912	-2.5	1.26E+06	1.28	1.08	269	3.54E+03	7.74
PCB-154 22'44'56'-HxCB	32.48	J	1.0987	1.0974	-2.5	6.63E+04	1.26	1.16	13.2	3.54E+03	7.24
PCB-144 22'345'6-HxCB	32.77	EMPC	1.1082	1.1072	-2.0	1.74E+05	0.91	1.05	38.3	3.54E+03	8
PCB-147/149 ...-HxCB	33.07	C	1.1186	1.1172	-2.8	2.61E+06	1.39	1.13	532	3.54E+03	7.39
PCB-134 22'33'56-HxCB	33.25	EMPC	1.1248	1.1234	-2.8	9.29E+04	0.87	0.75	28.8	3.54E+03	11.2
PCB-143 22'3456'-HxCB	ND		1.1273					1.07	ND	3.54E+03	7.86
PCB-139/140 ...-HxCB	33.58	J C	1.1359	1.1344	-3.0	6.47E+04	1.24	1.09	13.7	3.54E+03	7.69
PCB-131 22'33'46-HxCB	ND		1.1421					0.95	ND	3.54E+03	8.81
PCB-142 22'3456-HxCB	ND		1.1468					0.93	ND	3.54E+03	9.03
PCB-132 22'33'46'-HxCB	34.15	B	1.1554	1.1540	-2.9	8.34E+05	1.25	0.95	203	3.54E+03	8.84
PCB-133 22'33'55'-HxCB	ND		1.1687					1.07	ND	3.54E+03	7.87
PCB-165 233'55'6-HxCB	ND		0.9511					1.17	ND	3.54E+03	7.19
PCB-146 22'34'55'-HxCB	35.09		0.9569	0.9572	+0.6	4.81E+05	1.09	1.18	94.5	3.54E+03	7.13
PCB-161 233'45'6-HxCB	ND		0.9601					1.38	ND	3.54E+03	6.06
PCB-153/168 ...-HxCB	35.60	C	0.9717	0.9713	-0.9	3.03E+06	1.33	1.26	558	3.54E+03	6.67
PCB-141 22'3455'-HxCB	35.78		0.9761	0.9762	+0.2	6.36E+05	1.11	0.94	156	3.54E+03	8.9
PCB-130 22'33'45'-HxCB	36.12		0.9856	0.9855	-0.2	2.21E+05	1.30	0.78	65.7	3.54E+03	10.8
PCB-137 22'344'5-HxCB	36.30		0.9907	0.9904	-0.7	2.50E+05	1.28	0.93	62.3	3.54E+03	9.04
PCB-164 233'4'5'6-HxCB	36.41		0.9933	0.9934	+0.2	2.67E+05	1.15	1.27	48.5	3.54E+03	6.59
PCB-163/138/129 ...-HxCB	36.68	C	1.0011	1.0007	-0.9	2.98E+06	1.30	0.96	715	3.54E+03	8.71
PCB-160 233'456-HxCB	ND		1.0047					1.21	ND	3.54E+03	6.93
PCB-158 233'44'6-HxCB	37.01		1.0097	1.0097	0	3.39E+05	1.30	1.29	60.9	3.54E+03	6.51

Lab ID: B9935_21527_PCB_004-CU

ACQ: 17-Oct-2024 04:35:19 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

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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	37.77	B C	0.9631	0.9639	+1.8	3.83E+05	1.26	0.92	77.3	6.59E+03	13.3
PCB-159 233'455'-HxCB	ND		0.9839					1.16	ND	6.59E+03	10.6
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	6.59E+03	12.7
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.22E+03	6.14
PCB-179 22'33'566'-HpCB	34.76	EMPC	1.0095	1.0094	-0.2	2.52E+05	1.26	1.24	55	2.22E+03	4.79
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	2.22E+03	5.25
PCB-176 22'33'466'-HpCB	35.52	EMPC	1.0313	1.0316	+0.6	1.39E+05	1.51	1.05	35.7	2.22E+03	5.63
PCB-186 22'34566'-HpCB	ND		1.0428					1.22	ND	2.22E+03	4.86
PCB-178 22'33'55'6'-HpCB	37.03		1.0758	1.0754	-0.9	1.49E+05	1.12	0.79	51.2	2.22E+03	7.53
PCB-175 22'33'45'6'-HpCB	ND		1.0915					1.00	ND	5.74E+03	16
PCB-187 22'34'55'6'-HpCB	37.80	EMPC	1.0982	1.0976	-1.4	1.05E+06	1.22	1.33	208	5.74E+03	12.1
PCB-182 22'344'56'-HpCB	ND		1.1032					1.32	ND	5.74E+03	12.2
PCB-183 22'344'5'6'-HpCB	38.31		1.1133	1.1125	-1.8	5.02E+05	0.95	1.15	115	5.74E+03	14
PCB-185 22'3455'6'-HpCB	38.42		1.1161	1.1156	-1.2	1.04E+05	1.16	1.03	26.5	5.74E+03	15.6
PCB-174 22'33'456'-HpCB	38.52	B	1.1195	1.1187	-1.8	7.95E+05	1.08	1.11	189	5.74E+03	14.5
PCB-177 22'33'45'6'-HpCB	38.89	EMPC	1.1304	1.1295	-2.1	3.62E+05	0.88	1.09	87.3	5.74E+03	14.7
PCB-181 22'344'56-HpCB	ND		1.1402					1.15	ND	5.74E+03	14
PCB-171/173 ...-HpCB	39.42	C	1.1458	1.1448	-2.4	2.12E+05	0.94	0.99	56.8	5.74E+03	16.3
PCB-172 22'33'455'-HpCB	40.81	EMPC	0.9058	0.9067	+2.2	1.35E+05	0.79	0.95	37.4	5.74E+03	16.9
PCB-192 233'455'6'-HpCB	ND		0.9112					1.34	ND	5.74E+03	12
PCB-180/193 ...-HpCB	41.32	B C	0.9175	0.9181	+1.5	1.46E+06	1.13	1.13	341	5.74E+03	14.2
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.16	ND	5.74E+03	13.9
PCB-170 22'33'44'5'-HpCB	42.41	EMPC	0.9422	0.9422	0	4.10E+05	1.37	1.03	124	5.74E+03	18.3
PCB-190 233'44'56-HpCB	42.85	EMPC	0.9521	0.9521	0	1.07E+05	1.45	1.41	23.6	5.74E+03	13.4
PCB-202 22'33'55'66'-OcCB	38.97		1.0006	1.0004	-0.5	1.06E+05	0.82	0.96	29	2.61E+03	6.67
PCB-201 22'33'45'66'-OcCB	39.75	J EMPC	1.0206	1.0205	-0.2	5.89E+04	0.72	0.90	17	2.61E+03	7.09
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	2.61E+03	6.14
PCB-197 22'33'44'66'-OcCB	ND		1.0403					0.97	ND	2.61E+03	6.59
PCB-200 22'33'4566'-OcCB	ND		1.0430					0.88	ND	2.61E+03	7.27
PCB-198/199 ...-OcCB	42.97	EMPC C	1.1028	1.1032	+1.0	1.69E+05	0.67	0.74	59.5	2.61E+03	8.63
PCB-196 22'33'44'56'-OcCB	43.52		1.1176	1.1171	-1.3	1.11E+05	0.77	0.63	45.5	2.61E+03	10.1
PCB-203 22'344'55'6'-OcCB	43.68	EMPC	1.1219	1.1213	-1.6	1.18E+05	1.12	0.77	39.7	2.61E+03	8.26
PCB-195 22'33'44'56-OcCB	44.83	J	0.9493	0.9495	+0.5	5.17E+04	0.96	0.89	20	2.69E+03	11.8
PCB-194 22'33'44'55'-OcCB	46.80		0.9912	0.9913	+0.3	1.07E+05	0.98	0.87	42.1	2.69E+03	12
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	2.69E+03	11.4
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	4.19E+03	13.6
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.96	ND	4.19E+03	13.6
PCB-206 22'33'44'55'6'-NoCB	ND		1.0005					0.93	ND	4.19E+03	33.4
AS PCB-32	19.97	V	1.2602	1.2608	+0.7	5.55E+06	1.07	0.84	49.9 %	50%	150%
AS PCB-97	30.737		1.0318	1.0312	-1.1	1.39E+07	1.52	0.85	85.1 %	50%	150%
AS PCB-159	38.541		1.0518	1.0515	-0.7	2.20E+07	1.29	1.16	112 %	50%	150%

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 14

Acq: 17-Oct-2024 04:35:19
User: JLJ Datafile: 241016B17



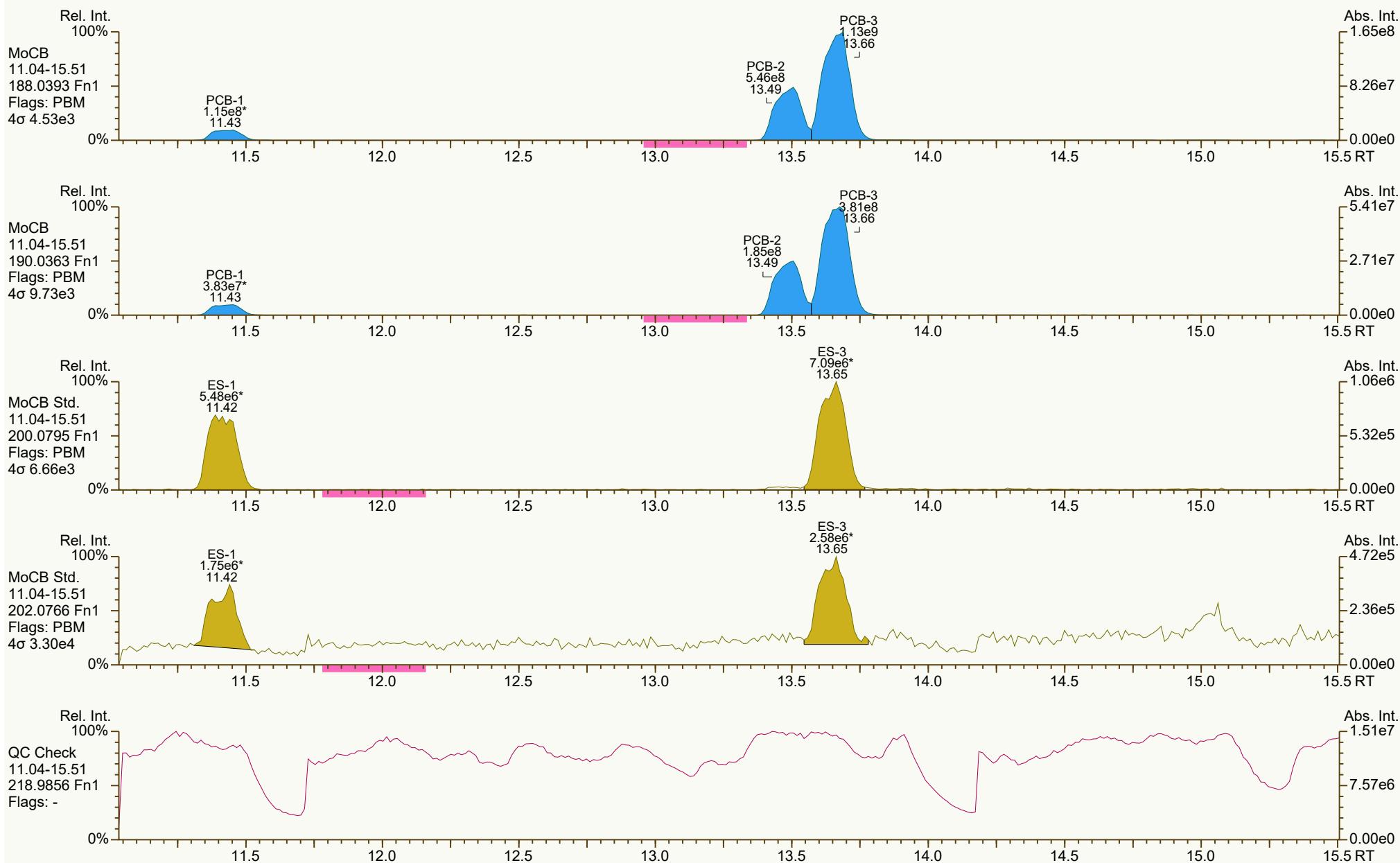
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 23-Oct-2024 11:15 Page 1 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 14

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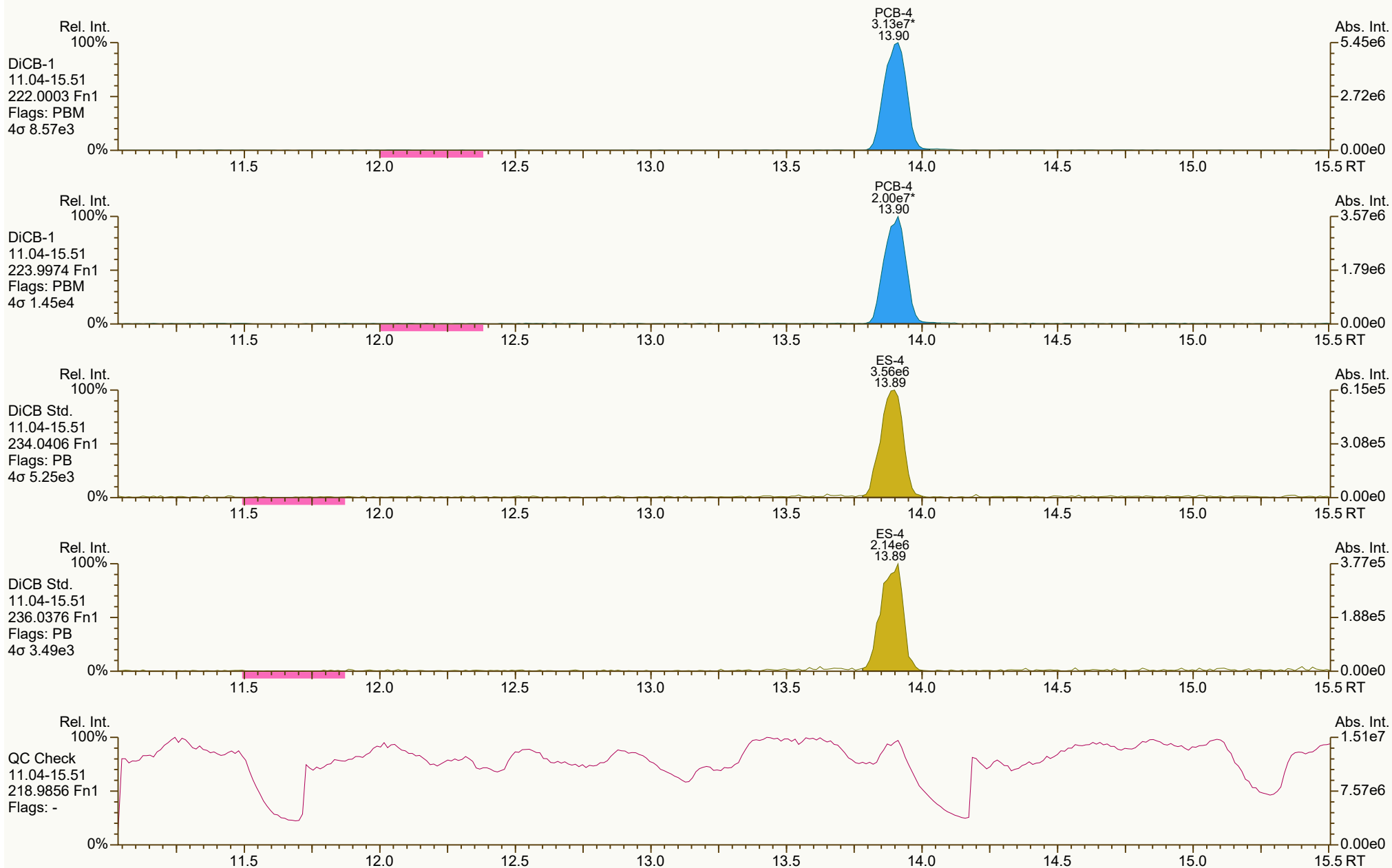
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 2 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 14

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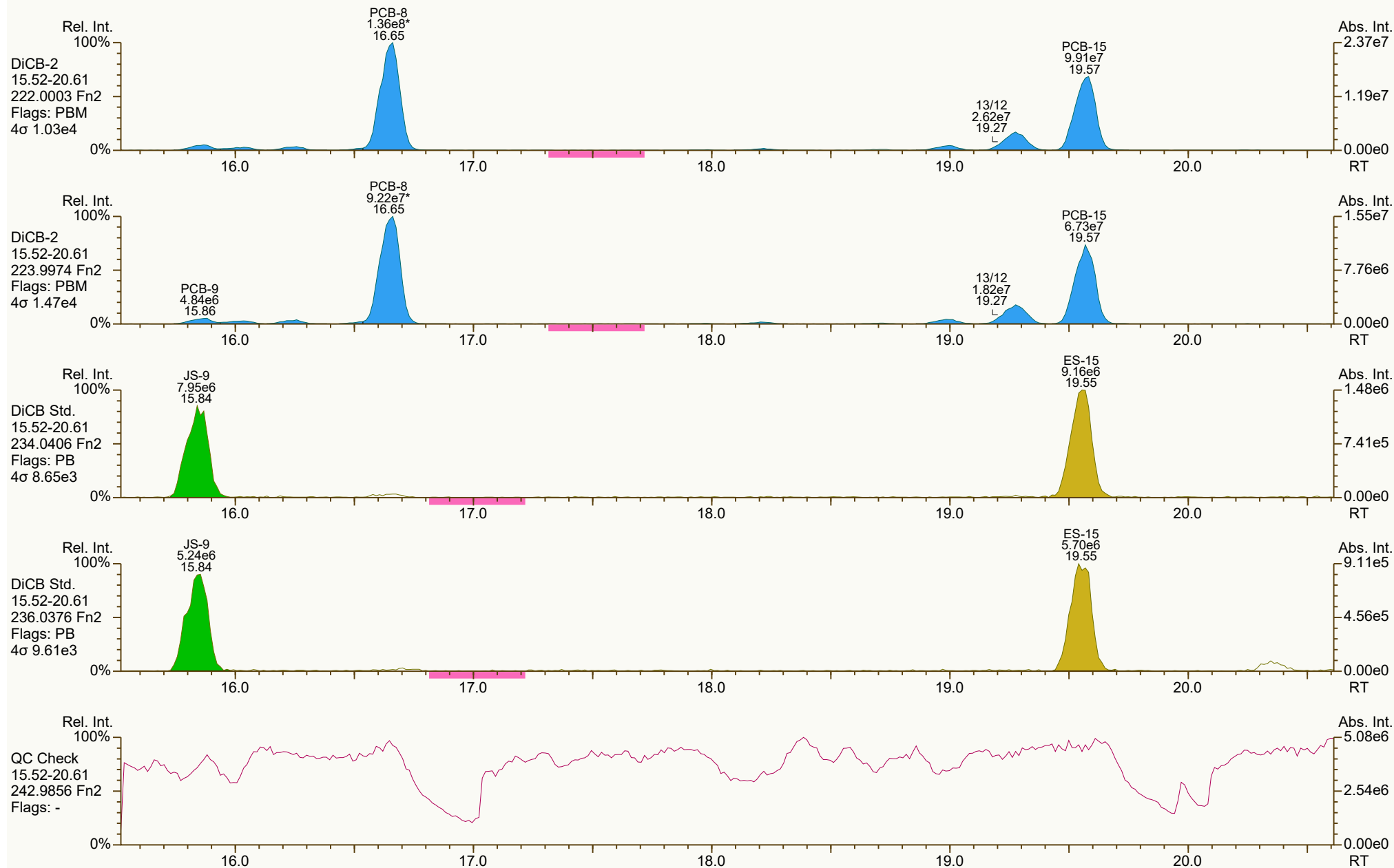
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 12:08 (JLJ) Printed: 23-Oct-2024 11:15 Page 3 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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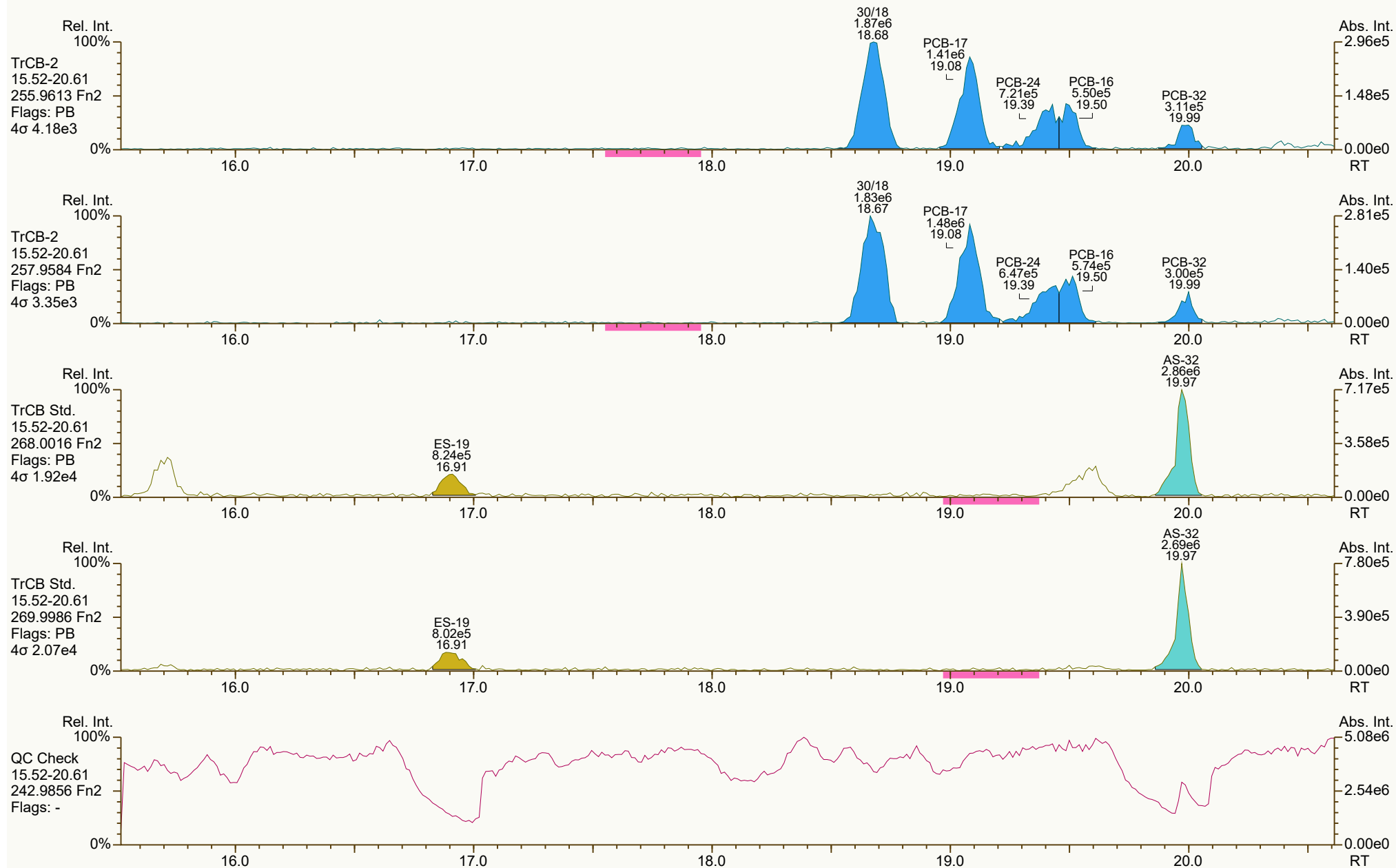
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 4 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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User: JLJ Datafile: 241016B17



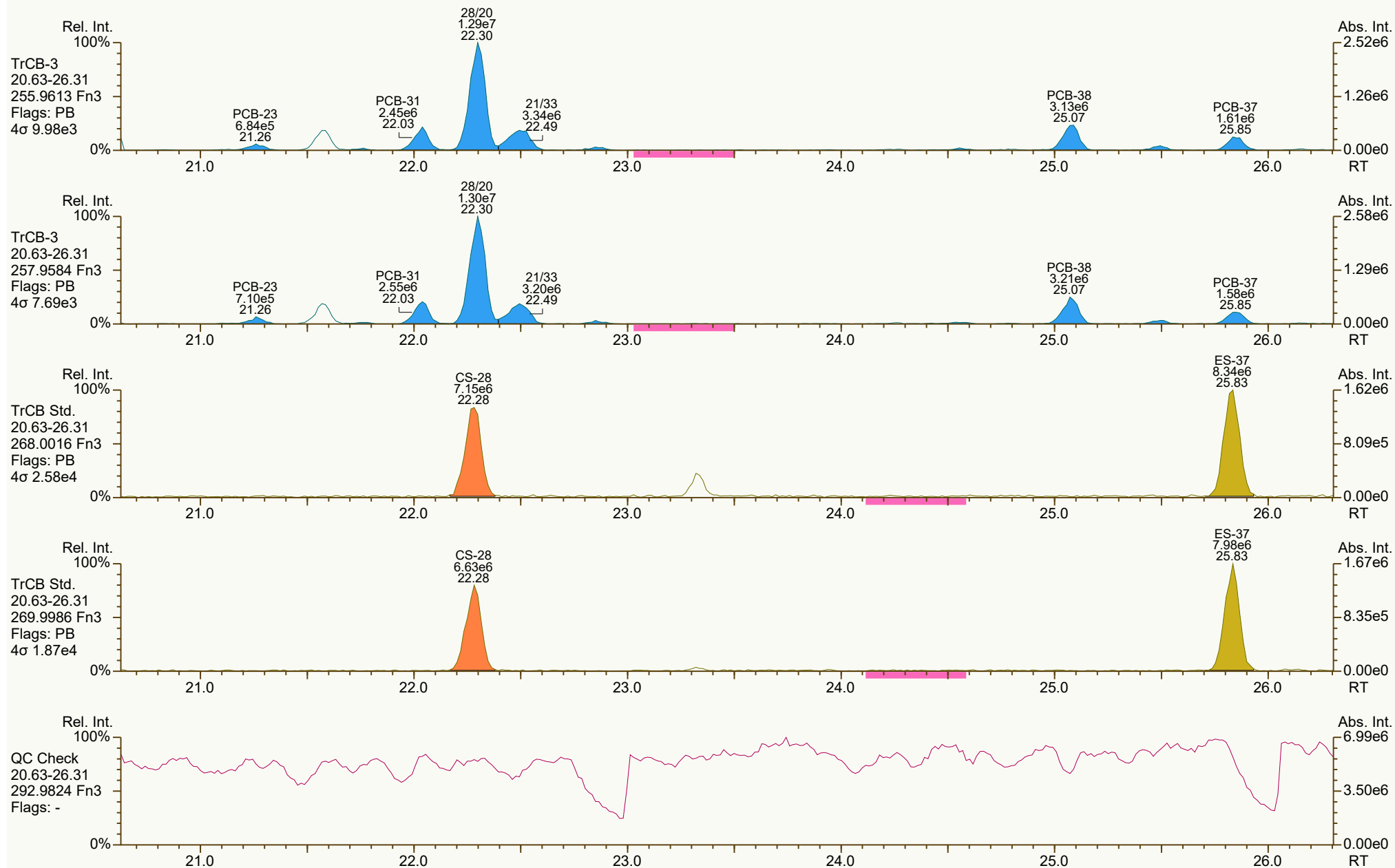
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 5 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 14

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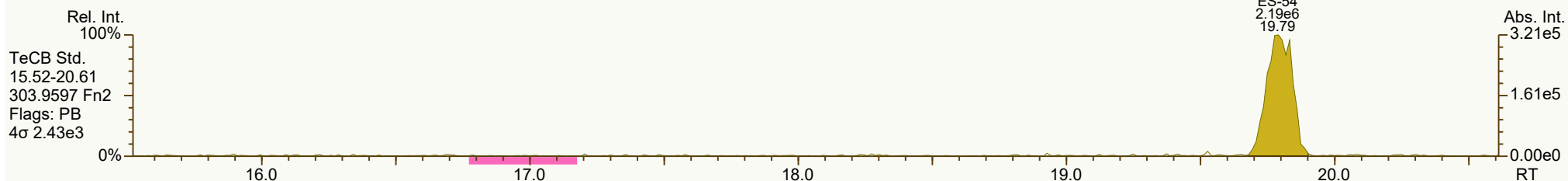
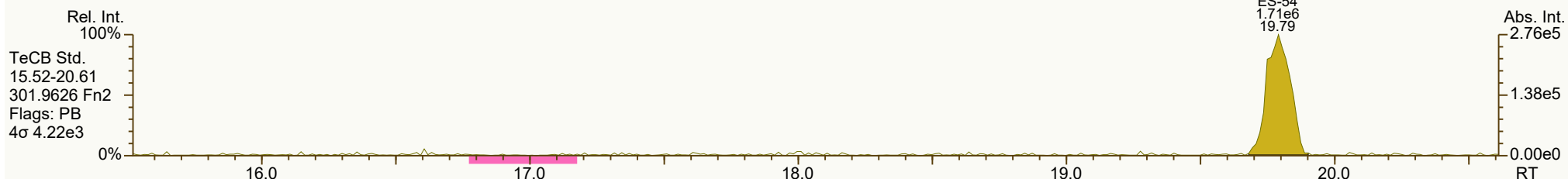
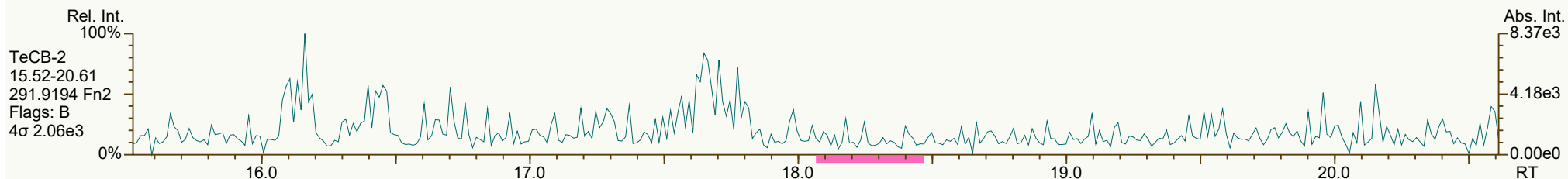
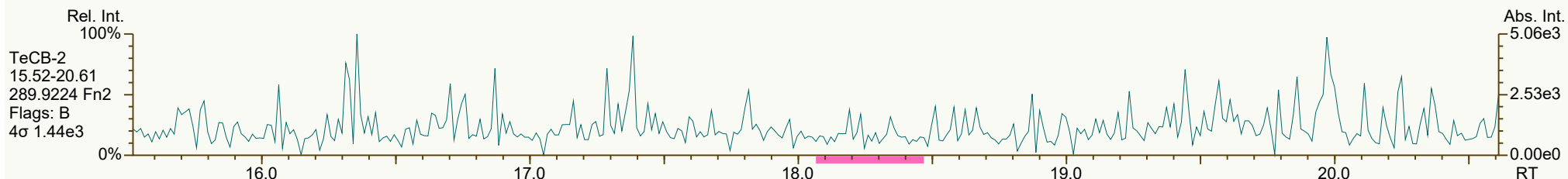
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 6 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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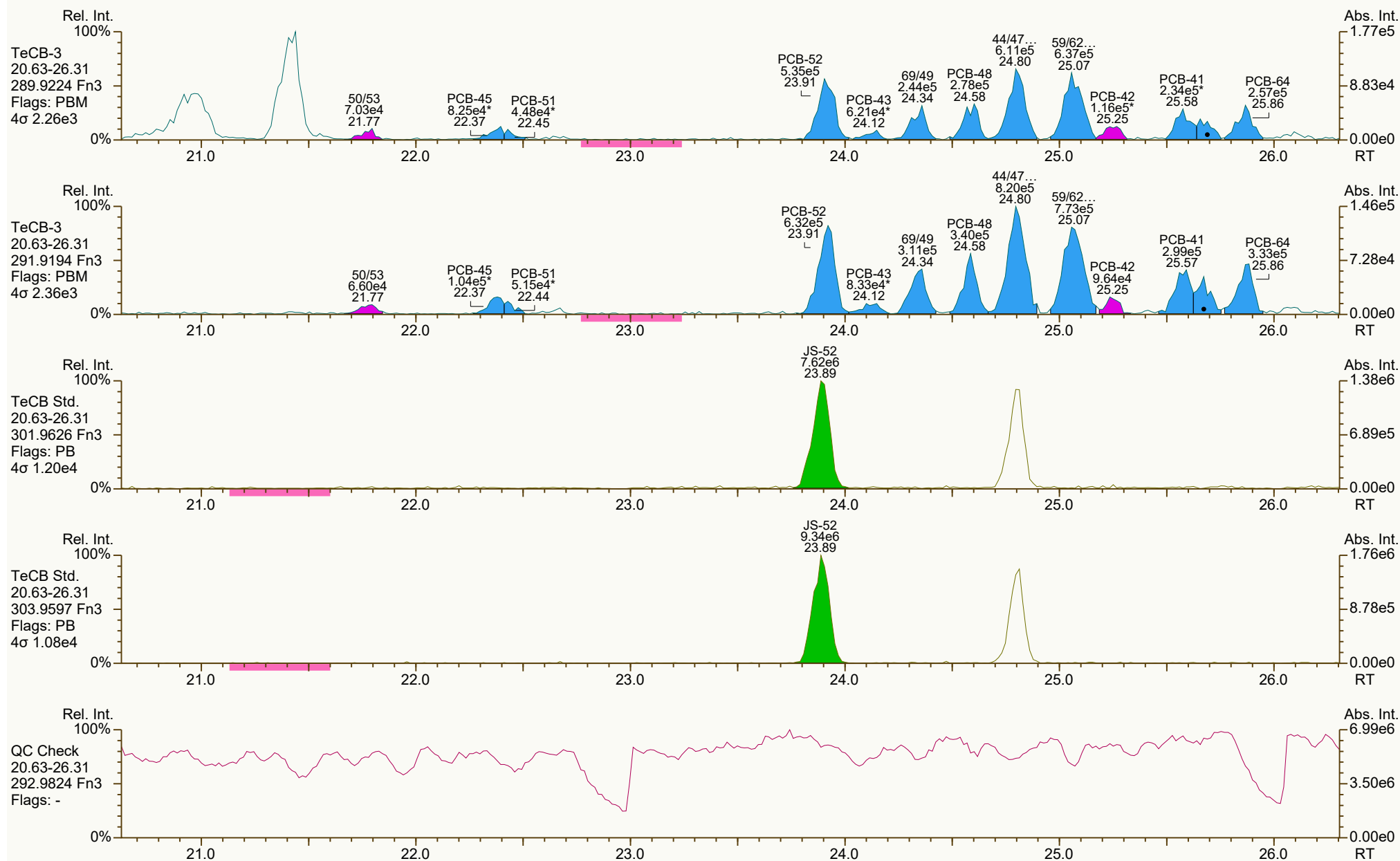
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 7 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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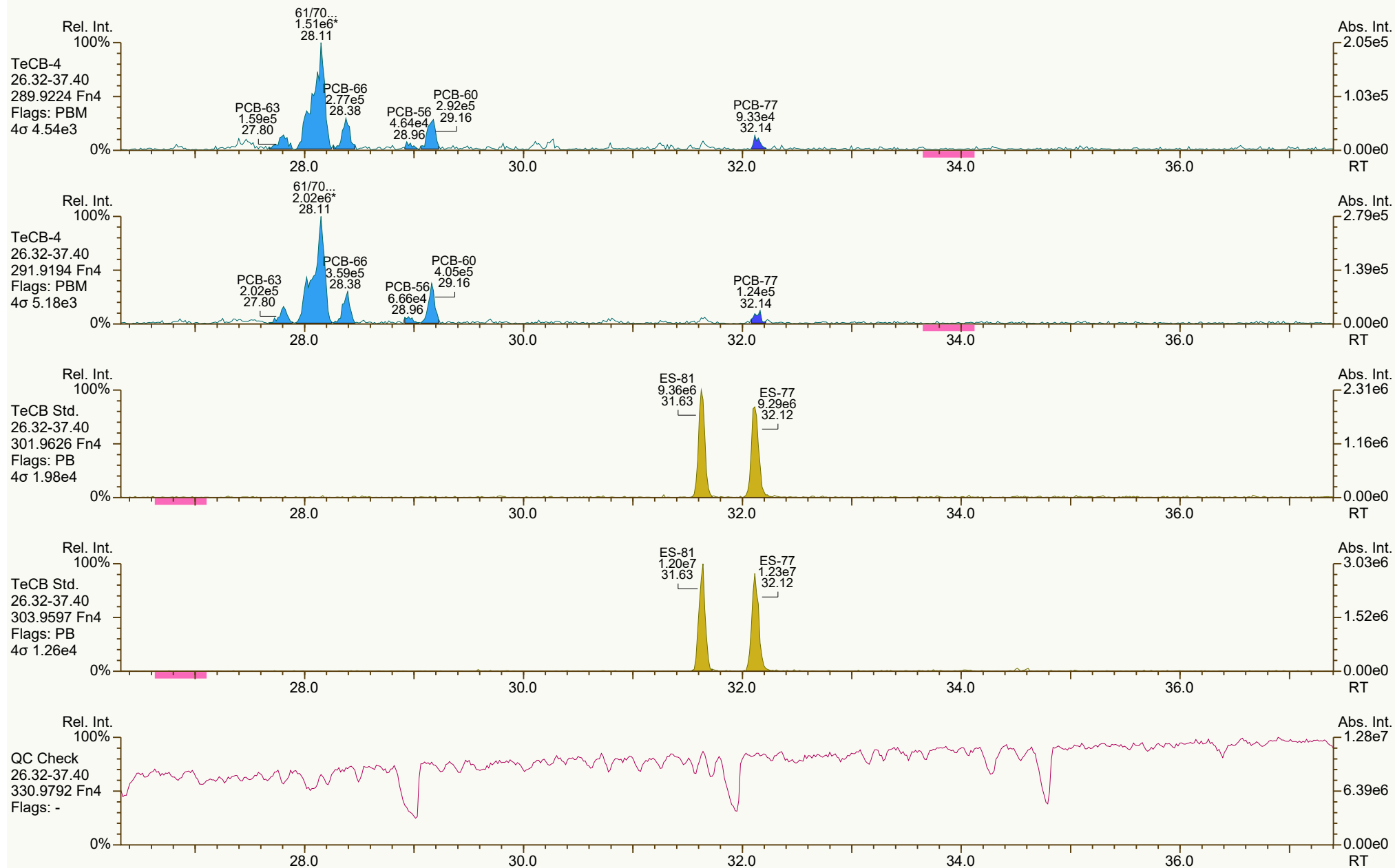
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 8 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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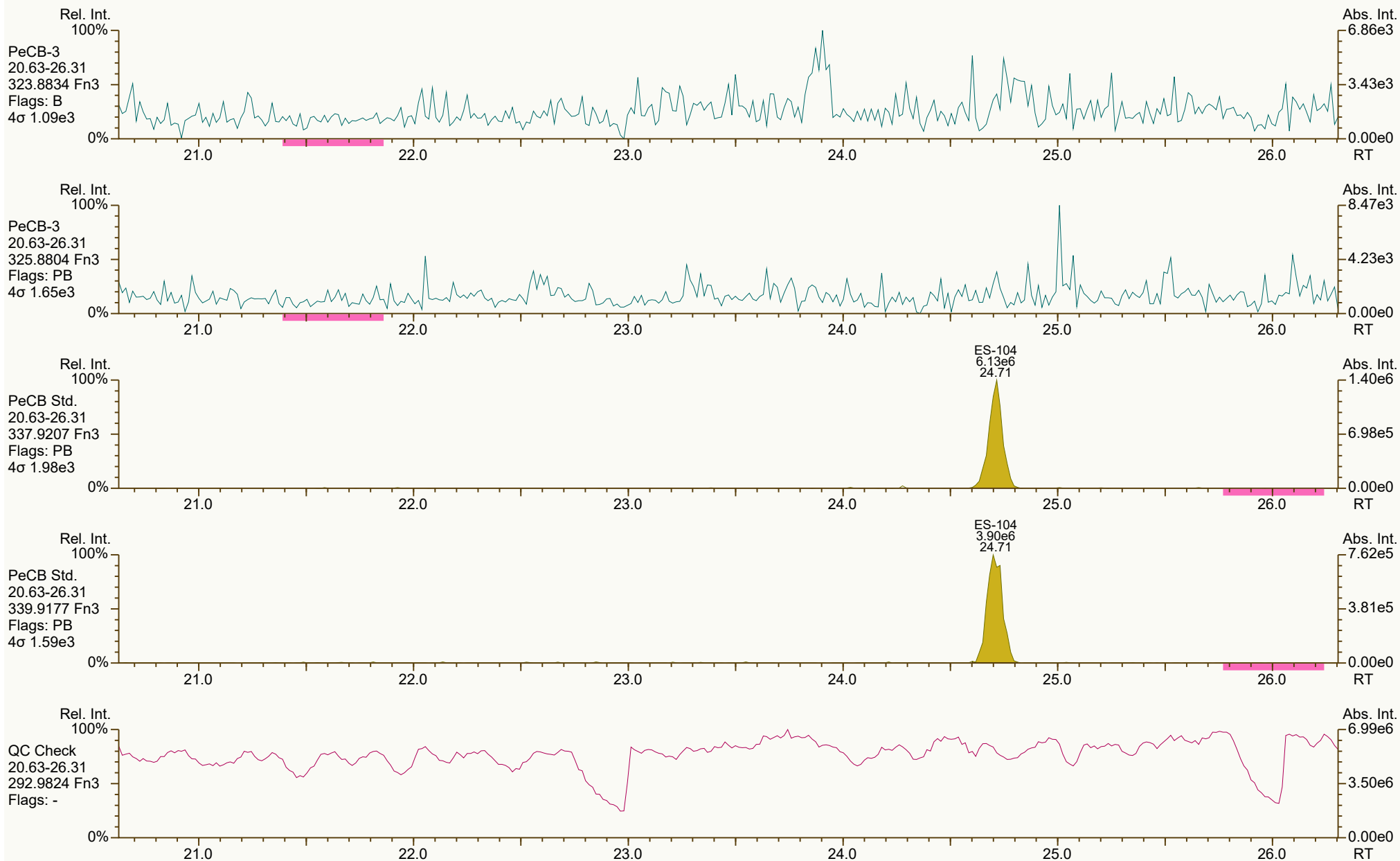
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 9 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 14

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 10 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 11 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 14

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 12 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 13 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 14

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 14 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 15 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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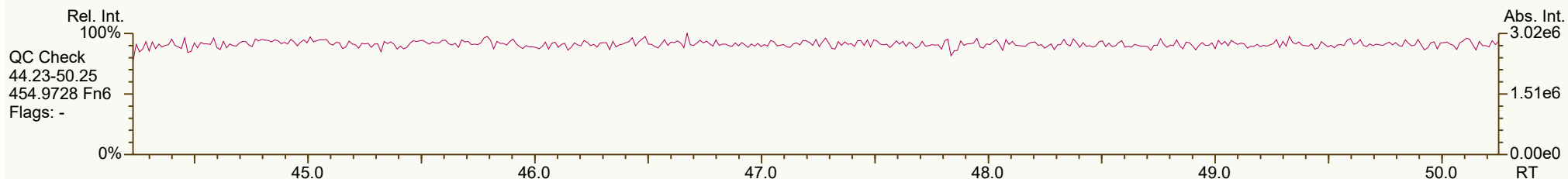
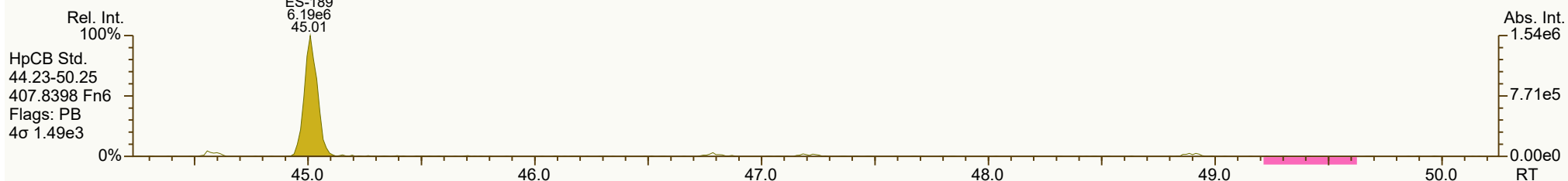
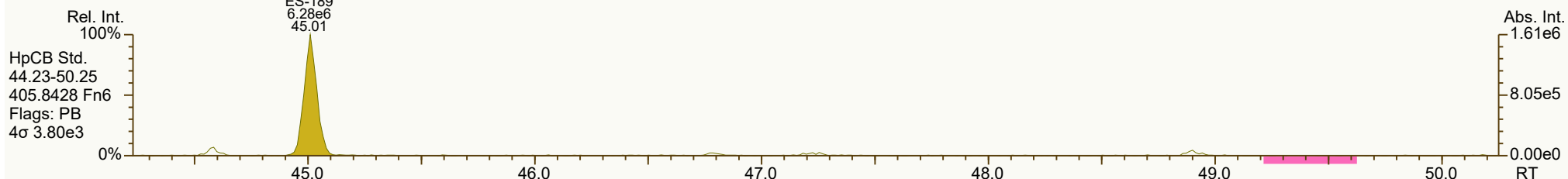
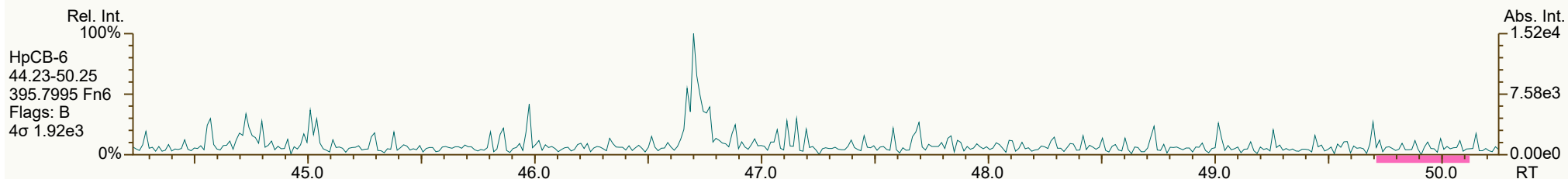
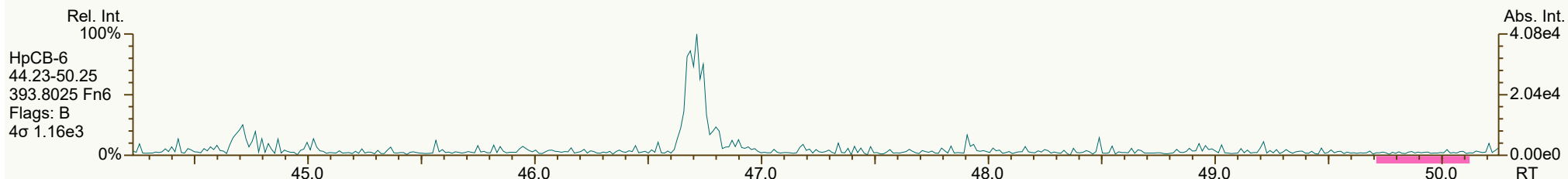
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 16 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 17 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 18 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 19 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 12:21 Printed: 23-Oct-2024 11:15 Page 20 of 21

SGS ID: B9935_21527_PCB_004-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #4
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 12:08 (JLJ) Printed: 23-Oct-2024 11:15 Page 21 of 21

Lab ID: B9935_21527_PCB_005-CU

ACQ: 17-Oct-2024 05:34:01 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #5

UTP: 21-Oct-2024 15:33:12 JLJ

J-level: 20 pg Split: 2

Checkcode: 852-944-FFZ/C

Datafile: 241016B18

RPT: 23-Oct-2024 11:15 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	1.0009	+0.6	4.06E+05	0.85	0.95	75.4	1.05E+04	23
PCB-81 344'5-TeCB	31.71	EMPC	1.0005	1.0007	+0.4	1.50E+05	0.99	0.94	28.1	1.05E+04	21.4
PCB-105 233'44'-PeCB	35.14	B EMPC	1.0006	1.0012	+1.3	9.90E+05	1.41	0.97	153	5.95E+03	9.93
PCB-114 2344'5-PeCB	34.56		1.0007	1.0005	-0.4	2.11E+05	0.62	0.96	35.5	5.95E+03	9.86
PCB-118 23'44'5-PeCB	34.12	B	1.0007	1.0007	0	1.70E+06	0.64	0.99	276	5.95E+03	10.5
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	5.95E+03	11.6
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	7.68E+03	16.5
PCB-156/157 ...-HxCB	40.19	B EMPC C	1.0005	1.0000	-1.2	2.33E+05	1.44	0.96	47.5	6.98E+03	21.5
PCB-167 23'44'55'-HxCB	39.23	EMPC	1.0005	1.0006	+0.2	1.26E+05	1.58	0.94	20.7	6.98E+03	11.5
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	6.98E+03	14.6
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	4.54E+03	12.5
PCB-209 DeCB	50.67		1.0005	1.0005	0	5.10E+04	1.12	0.95	22.4	2.48E+03	14.4
ES PCB-1	11.45		0.7219	0.7201	-1.2	7.95E+06	2.86	1.19	47.5 %	5%	145%
ES PCB-3	13.70		0.8628	0.8616	-1.0	1.07E+07	2.77	1.13	67.5 %	5%	145%
ES PCB-4	13.93		0.8777	0.8759	-1.5	5.91E+06	1.61	0.72	58.1 %	5%	145%
ES PCB-15	19.63		1.2345	1.2343	-0.2	1.63E+07	1.55	1.07	108 %	5%	145%
ES PCB-19	16.98		1.0688	1.0677	-1.1	2.22E+06	0.95	0.65	24.4 %	5%	145%
ES PCB-37	25.90		1.0824	1.0808	-2.5	1.67E+07	1.10	1.40	67.7 %	5%	145%
ES PCB-54	19.86		0.8288	0.8286	-0.2	3.78E+06	0.78	1.23	17.4 %	5%	145%
ES PCB-77	32.17		1.3483	1.3423	-11.6	2.27E+07	0.74	1.28	100 %	10%	145%
ES PCB-81	31.69		1.3278	1.3222	-10.6	2.26E+07	0.77	1.33	96.6 %	10%	145%
ES PCB-104	24.78		0.8278	0.8297	+2.8	9.77E+06	1.57	1.32	35.8 %	10%	145%
ES PCB-105	35.09		1.1779	1.1749	-6.3	2.67E+07	1.52	1.26	103 %	10%	145%
ES PCB-114	34.54		1.1590	1.1564	-5.4	2.48E+07	1.71	1.34	88.9 %	10%	145%
ES PCB-118	34.10		1.1434	1.1416	-3.7	2.49E+07	1.53	1.31	91.6 %	10%	145%
ES PCB-123	33.81		1.1339	1.1319	-4.1	2.49E+07	1.56	1.27	94.7 %	10%	145%
ES PCB-126	37.70		1.2663	1.2624	-8.8	2.06E+07	1.50	1.19	83.7 %	10%	145%
ES PCB-153	35.62		0.9706	0.9709	+0.6	2.02E+07	1.23	1.11	83.4 %	10%	145%
ES PCB-155	29.66		0.8059	0.8084	+4.4	1.80E+07	1.34	1.45	56.9 %	10%	145%
ES PCB-156/157	40.20	C	1.0967	1.0956	-2.7	4.08E+07	1.30	1.24	75.4 %	10%	145%
ES PCB-167	39.21		1.0695	1.0688	-1.6	2.61E+07	1.31	1.29	92.8 %	10%	145%
ES PCB-169	42.94		1.1714	1.1703	-2.8	2.19E+07	1.18	1.18	84.9 %	10%	145%
ES PCB-170	42.40		0.9058	0.9063	+1.3	1.63E+07	1.01	1.06	110 %	10%	145%
ES PCB-180	41.32		0.8827	0.8833	+1.5	2.03E+07	1.10	1.25	116 %	10%	145%
ES PCB-188	34.48		0.9393	0.9398	+1.0	1.69E+07	1.02	1.36	56.9 %	10%	145%
ES PCB-189	45.02		0.9619	0.9622	+0.8	1.61E+07	1.05	1.37	83.7 %	10%	145%
ES PCB-202	38.98		1.0635	1.0624	-2.6	1.92E+07	0.87	1.19	73.9 %	10%	145%
ES PCB-205	47.21		1.0093	1.0092	-0.3	1.51E+07	0.92	1.23	87.5 %	10%	145%
ES PCB-206	48.90		1.0458	1.0451	-2.1	9.59E+06	0.82	0.89	77 %	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	44.57		0.9528	0.9527	-0.3	1.74E+07	0.75	1.26	99 %	10%	145%
ES PCB-209	50.65		1.0840	1.0826	-4.3	9.56E+06	1.19	0.98	69.4 %	10%	145%
SS PCB-28	22.36		0.9324	0.9328	+0.5	1.49E+07	1.08	1.04	85.9 %	5%	145%
SS PCB-111	32.14		1.0771	1.0761	-1.9	2.33E+07	1.55	0.98	95 %	10%	145%
SS PCB-178	37.04		1.0099	1.0096	-0.7	1.25E+07	1.00	0.71	105 %	10%	145%
CS PCB-28	22.36		0.9324	0.9328	+0.5	1.49E+07	1.08	1.44	58.5 %	5%	145%
CS PCB-111	32.14		1.0771	1.0761	-1.9	2.33E+07	1.55	1.24	90.3 %	10%	145%
CS PCB-178	37.04		1.0099	1.0096	-0.7	1.25E+07	1.00	0.96	59.6 %	10%	145%
JS PCB-9	15.90					1.41E+07	1.54				
JS PCB-52	23.97					1.77E+07	0.84				
JS PCB-101	29.87					2.07E+07	1.49				
JS PCB-138	36.69					2.18E+07	1.24				
JS PCB-194	46.78					1.40E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
Mono-CB						958,000	958,000	157			
Di-CB						185,000	185,000	102			
Tri-CB						25,100	25,400	155			
Tetra-CB						2,980	3,090	21.9			
Penta-CB						1,520	2,300	11.8			
Hexa-CB						2,930	3,070	13.8			
Hepta-CB						1,080	1,280	12.3			
Octa-CB						40.7	233	8.32			
Nona-CB						0	0	23			

Lab ID: B9935_21527_PCB_005-CU

ACQ: 17-Oct-2024 05:34:01 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #5

UTP: 21-Oct-2024 15:33:12 JLJ

J-level: 20 pg Split: 2

Checkcode: 852-944-FFZ/C

Datafile: 241016B18

RPT: 23-Oct-2024 11:15 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	11.46	E	1.0012	1.0012	0	1.79E+08	3.05	1.01	89,300	1.49E+04	190
PCB-2 3-MoCB	13.54	E	0.9879	0.9879	0	7.57E+08	3.01	0.87	323,000	1.49E+04	144
PCB-3 4-MoCB	13.71	E	1.0010	1.0007	-0.2	1.49E+09	2.98	1.01	546,000	1.49E+04	124
PCB-4 22'-DiCB	13.94		1.0012	1.0012	0	5.98E+07	1.62	0.98	41,100	9.31E+03	133
PCB-10 26-DiCB	ND		1.0136					1.62	ND	9.31E+03	80.8
PCB-9 25-DiCB	15.94		1.0010	1.0021	+1.1	1.35E+07	1.52	0.78	4,270	1.51E+04	89.4
PCB-7 24-DiCB	16.11		1.0112	1.0131	+1.8	6.39E+06	1.52	0.72	2,180	1.51E+04	96.9
PCB-6 23'-DiCB	16.33		1.0259	1.0272	+1.3	5.60E+06	1.48	0.84	1,640	1.51E+04	83
PCB-5 23-DiCB	ND		1.0445					0.68	ND	1.51E+04	102
PCB-8 24'-DiCB	16.71		1.0520	1.0508	-1.2	2.69E+08	1.51	0.89	74,500	1.51E+04	78.5
PCB-14 35-DiCB	18.31		0.9307	0.9328	+2.3	2.95E+06	1.57	0.72	1,010	1.51E+04	97
PCB-11 33'-DiCB	19.06	B	0.9711	0.9713	+0.2	1.02E+07	1.49	0.78	3,200	1.51E+04	88.8
PCB-13/12 34'/34-DiCB	19.35	C	0.9858	0.9858	0	3.64E+07	1.49	0.71	12,500	1.51E+04	97.7
PCB-15 44'-DiCB	19.64		1.0007	1.0008	+0.1	1.76E+08	1.47	0.97	44,800	1.51E+04	72.1
PCB-19 22'6-TrCB	ND		1.0011					1.03	ND	6.12E+03	250
PCB-30/18 246/22'5-TrCB	18.75	C	1.1030	1.1042	+1.3	4.20E+06	1.04	1.62	4,650	6.12E+03	159
PCB-17 22'4-TrCB	19.16		1.1270	1.1283	+1.5	3.40E+06	1.08	1.11	5,520	6.12E+03	233
PCB-27 23'6-TrCB	19.42		1.1387	1.1437	+5.8	6.73E+05	1.04	1.52	795	6.12E+03	170
PCB-24 236-TrCB	19.51		1.1462	1.1489	+3.2	1.33E+06	1.00	1.55	1,540	6.12E+03	166
PCB-16 22'3-TrCB	19.59		1.1524	1.1540	+1.9	8.17E+05	1.17	1.16	1,270	6.12E+03	224
PCB-32 24'6-TrCB	20.00	B	1.1803	1.1778	-3.0	1.37E+05	0.98	1.73	143	6.12E+03	150
PCB-34 23'5'-TrCB	ND		0.8163					0.91	ND	1.74E+04	67.9
PCB-23 235-TrCB	21.34	EMPC	0.8218	0.8238	+2.6	1.50E+06	0.88	0.98	366	1.74E+04	63
PCB-26/29 23'5/245-TrCB	ND	C	0.8330					0.96	ND	1.74E+04	64.3
PCB-25 23'4-TrCB	ND		0.8409					1.18	ND	1.74E+04	52.3
PCB-31 24'5-TrCB	ND		0.8517					1.15	ND	1.74E+04	53.9
PCB-28/20 244'/233'-TrCB	22.38	C	0.8626	0.8639	+1.7	2.84E+07	0.97	1.04	6,510	1.74E+04	59.3
PCB-21/33 234/23'4'-TrCB	22.57	C	0.8696	0.8713	+2.3	7.68E+06	0.97	1.03	1,780	1.74E+04	59.9
PCB-22 234'-TrCB	22.93	B	0.8845	0.8853	+1.1	8.70E+05	0.93	1.11	187	1.74E+04	55.6
PCB-36 33'5-TrCB	ND		0.9378					1.11	ND	1.74E+04	55.4
PCB-39 34'5-TrCB	24.63		0.9504	0.9510	+0.9	3.57E+05	1.01	1.00	85.6	1.74E+04	62.1
PCB-38 345-TrCB	25.15		0.9706	0.9709	+0.5	7.03E+06	0.97	1.02	1,650	1.74E+04	60.7
PCB-35 33'4-TrCB	25.56		0.9865	0.9868	+0.5	6.19E+05	1.14	0.97	153	1.74E+04	63.9
PCB-37 344'-TrCB	25.92		1.0007	1.0007	0	3.41E+06	0.91	1.03	789	1.74E+04	59.8
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	2.28E+03	45
PCB-50/53 22'46/22'56'-TeCB	21.86	J C	0.9120	0.9122	+0.3	1.57E+05	0.77	0.91	30.3	4.96E+03	10.4
PCB-45 22'36-TeCB	22.46		0.9369	0.9371	+0.3	2.86E+05	0.82	0.63	79.6	4.96E+03	15.1
PCB-51 22'46'-TeCB	ND		0.9395					1.06	ND	4.96E+03	9.04
PCB-46 22'36'-TeCB	ND		0.9488					0.73	ND	4.96E+03	13.1
PCB-52 22'55'-TeCB	23.99	B	1.0010	1.0010	0	1.40E+06	0.74	0.97	255	4.96E+03	9.81
PCB-73 23'5'6-TeCB	ND		1.0061					1.21	ND	4.96E+03	7.91

Lab ID: B9935_21527_PCB_005-CU

ACQ: 17-Oct-2024 05:34:01 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #5

UTP: 21-Oct-2024 15:33:12 JLJ

J-level: 20 pg Split: 2

Checkcode: 852-944-FFZ/C

Datafile: 241016B18

RPT: 23-Oct-2024 11:15 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	24.20	EMPC	1.0100	1.0098	-0.3	1.56E+05	0.90	0.91	30.2	4.96E+03	10.5
PCB-69/49 23'46/22'45'-TeCB	24.41	B C	1.0181	1.0187	+0.9	6.73E+05	0.81	1.03	116	4.96E+03	9.27
PCB-48 22'45'-TeCB	24.66		1.0299	1.0288	-1.6	7.54E+05	0.82	0.86	155	4.96E+03	11.1
PCB-44/47/65 ...-TeCB	24.87	B C	1.0391	1.0379	-1.8	1.59E+06	0.78	0.99	285	4.96E+03	9.66
PCB-59/62/75 ...-TeCB	25.14	C	1.0505	1.0491	-2.1	1.65E+06	0.83	1.12	261	4.96E+03	8.54
PCB-42 22'34'-TeCB	25.33		1.0580	1.0569	-1.7	2.56E+05	0.68	0.79	57.2	4.96E+03	12.1
PCB-41 22'34'-TeCB	25.64		1.0720	1.0699	-3.2	5.54E+05	0.82	0.65	150	4.96E+03	14.6
PCB-71/40 23'4'6/22'33'-TeCB	25.75	B C	1.0761	1.0745	-2.5	6.07E+05	0.78	0.96	111	4.96E+03	9.92
PCB-64 234'6'-TeCB	25.94	B	1.0844	1.0822	-3.4	7.20E+05	0.84	1.15	111	4.96E+03	8.3
PCB-72 23'55'-TeCB	ND		0.8391					0.91	ND	1.05E+04	22.1
PCB-68 23'45'-TeCB	ND		0.8471					0.88	ND	1.05E+04	22.9
PCB-57 233'5'-TeCB	ND		0.8589					0.93	ND	1.05E+04	21.6
PCB-58 233'5'-TeCB	ND		0.8655					1.04	ND	1.05E+04	19.3
PCB-67 23'45'-TeCB	ND		0.8702					1.08	ND	1.05E+04	18.6
PCB-63 234'5'-TeCB	ND		0.8775					0.85	ND	1.05E+04	23.7
PCB-61/70/74/76 ...-TeCB	28.18	B C	0.8867	0.8893	+4.4	4.40E+06	0.74	0.97	801	1.05E+04	20.8
PCB-66 23'44'-TeCB	28.44	B	0.8958	0.8976	+3.1	1.43E+06	0.71	0.98	258	1.05E+04	20.5
PCB-55 233'4'-TeCB	ND		0.9006					1.01	ND	1.05E+04	20
PCB-56 233'4'-TeCB	29.01	EMPC	0.9145	0.9155	+1.7	3.03E+05	0.93	0.96	55.7	1.05E+04	21
PCB-60 2344'-TeCB	29.22		0.9206	0.9221	+2.6	1.10E+06	0.68	0.83	236	1.05E+04	24.4
PCB-80 33'55'-TeCB	ND		0.9306					0.95	ND	1.05E+04	21.2
PCB-79 33'45'-TeCB	ND		0.9730					1.03	ND	1.05E+04	19.6
PCB-78 33'45'-TeCB	ND		0.9884					0.85	ND	1.05E+04	23.6
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	2.30E+03	12.5
PCB-96 22'366'-PeCB	ND		1.0146					1.11	ND	2.30E+03	11.2
PCB-103 22'45'6'-PeCB	ND		0.8960					0.84	ND	5.95E+03	13.2
PCB-94 22'356'-PeCB	ND		0.9027					0.71	ND	5.95E+03	15.6
PCB-95 22'35'6'-PeCB	27.37	B EMPC	0.9159	0.9164	+0.8	1.58E+06	1.00	0.80	318	5.95E+03	13.9
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.79	ND	5.95E+03	14.1
PCB-102 22'456'-PeCB	ND		0.9261					0.92	ND	5.95E+03	12.1
PCB-98 22'34'6'-PeCB	ND		0.9284					0.92	ND	5.95E+03	12.1
PCB-88 22'346'-PeCB	ND		0.9386					0.76	ND	5.95E+03	14.6
PCB-91 22'34'6'-PeCB	28.12	EMPC	0.9411	0.9414	+0.5	1.81E+05	0.51	0.80	36.5	5.95E+03	14
PCB-84 22'33'6'-PeCB	28.33	B	0.9479	0.9485	+1.0	3.01E+05	0.56	0.67	71.8	5.95E+03	16.5
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	5.95E+03	13.8
PCB-121 23'45'6'-PeCB	ND		0.9725					1.20	ND	5.95E+03	9.25
PCB-92 22'355'-PeCB	29.41	B EMPC	0.9838	0.9845	+1.2	2.84E+05	0.52	0.76	60.5	5.95E+03	14.7
PCB-113/90/101 ...-PeCB	29.89	B C	1.0000	1.0008	+1.4	2.38E+06	0.63	0.88	432	5.95E+03	12.6
PCB-83 22'33'5'-PeCB	ND		1.0148					0.63	ND	5.95E+03	17.7
PCB-99 22'44'5'-PeCB	30.37	B EMPC	1.0176	1.0167	-1.6	1.05E+06	0.50	1.01	167	5.95E+03	11
PCB-112 233'56'-PeCB	ND		1.0213					1.30	ND	5.95E+03	8.54

Lab ID: B9935_21527_PCB_005-CU

ACQ: 17-Oct-2024 05:34:01 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #5

UTP: 21-Oct-2024 15:33:12 JLJ

J-level: 20 pg Split: 2

Checkcode: 852-944-FFZ/C

Datafile: 241016B18

RPT: 23-Oct-2024 11:15 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	30.86	B C	1.0330	1.0332	+0.4	1.45E+06	0.55	0.95	245	5.95E+03	11.8
PCB-117 234'56-PeCB	31.35	J	1.0509	1.0497	-2.3	9.86E+04	0.57	1.01	15.6	5.95E+03	11
PCB-116/85 23456/22'344'-PeCB	31.44	B C	1.0538	1.0527	-2.1	3.76E+05	0.69	0.87	69.7	5.95E+03	12.8
PCB-110 233'4'6-PeCB	31.58	B	1.0582	1.0573	-1.7	2.28E+06	0.64	1.05	350	5.95E+03	10.6
PCB-115 2344'6-PeCB	ND		1.0605					1.30	ND	5.95E+03	8.54
PCB-82 22'33'4-PeCB	31.85		1.0679	1.0665	-2.7	1.41E+05	0.70	0.76	29.9	5.95E+03	14.7
PCB-111 233'55'-PeCB	ND		1.0779					1.03	ND	5.95E+03	10.8
PCB-120 23'455'-PeCB	ND		1.0913					1.23	ND	5.95E+03	9.02
PCB-108/124 ...-PeCB	33.52	J EMPC C	0.9915	0.9916	+0.2	1.03E+05	0.78	0.98	17	5.95E+03	11.4
PCB-107 233'4'5-PeCB	33.75	EMPC	0.9976	0.9983	+1.4	1.90E+05	0.95	1.10	27.8	5.95E+03	10.2
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	5.95E+03	10.6
PCB-122 233'4'5'-PeCB	ND		1.0095					0.83	ND	5.95E+03	11.4
PCB-127 33'455'-PeCB	ND		1.0357					1.02	ND	5.95E+03	9.47
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.26E+03	7.68
PCB-152 22'3566'-HxCB	ND		1.0072					1.15	ND	3.26E+03	6.39
PCB-150 22'34'66'-HxCB	ND		1.0118					1.01	ND	3.26E+03	7.24
PCB-136 22'33'66'-HxCB	30.32		1.0228	1.0224	-0.7	6.93E+05	1.27	0.91	168	3.26E+03	8.03
PCB-145 22'3466'-HxCB	ND		1.0313					1.05	ND	3.26E+03	6.99
PCB-148 22'34'56'-HxCB	ND		1.0741					1.11	ND	3.26E+03	5.45
PCB-151/135 ...-HxCB	32.35	B C	1.0925	1.0906	-3.7	1.60E+06	1.35	1.08	292	3.26E+03	5.6
PCB-154 22'44'56'-HxCB	ND		1.0987					1.16	ND	3.26E+03	5.24
PCB-144 22'345'6-HxCB	32.82		1.1082	1.1067	-3.0	2.36E+05	1.23	1.05	44.5	3.26E+03	5.79
PCB-147/149 ...-HxCB	33.12	C	1.1186	1.1166	-4.0	3.14E+06	1.29	1.13	547	3.26E+03	5.35
PCB-134 22'33'56-HxCB	33.29	EMPC	1.1248	1.1223	-5.0	1.06E+05	1.50	0.75	28.1	3.26E+03	8.13
PCB-143 22'3456'-HxCB	ND		1.1273					1.07	ND	3.26E+03	5.69
PCB-139/140 ...-HxCB	ND	C	1.1359					1.09	ND	3.26E+03	5.57
PCB-131 22'33'46-HxCB	ND		1.1421					0.95	ND	3.26E+03	6.38
PCB-142 22'3456-HxCB	ND		1.1468					0.93	ND	3.26E+03	6.54
PCB-132 22'33'46'-HxCB	34.20	B	1.1554	1.1532	-4.5	8.22E+05	1.22	0.95	171	3.26E+03	6.39
PCB-133 22'33'55'-HxCB	34.57	J EMPC	1.1687	1.1656	-6.4	5.67E+04	1.65	1.07	10.5	3.26E+03	5.7
PCB-165 233'55'6-HxCB	ND		0.9511					1.17	ND	3.26E+03	5.2
PCB-146 22'34'55'-HxCB	35.12		0.9569	0.9574	+1.1	5.76E+05	1.22	1.18	96.8	3.26E+03	5.16
PCB-161 233'45'6-HxCB	ND		0.9601					1.38	ND	3.26E+03	4.39
PCB-153/168 ...-HxCB	35.64	C	0.9717	0.9715	-0.4	3.76E+06	1.21	1.26	592	3.26E+03	4.83
PCB-141 22'3455'-HxCB	35.82		0.9761	0.9765	+0.9	8.43E+05	1.28	0.94	177	3.26E+03	6.44
PCB-130 22'33'45'-HxCB	36.16		0.9856	0.9857	+0.2	2.33E+05	1.37	0.78	59.1	3.26E+03	7.79
PCB-137 22'344'5-HxCB	36.33	EMPC	0.9907	0.9903	-0.9	1.52E+05	1.45	0.93	32.4	3.26E+03	6.54
PCB-164 233'4'5'6-HxCB	36.45		0.9933	0.9935	+0.4	2.83E+05	1.18	1.27	43.9	3.26E+03	4.77
PCB-163/138/129 ...-HxCB	36.71	B C	1.0011	1.0007	-0.9	2.96E+06	1.35	0.96	608	3.26E+03	6.3
PCB-160 233'456-HxCB	ND		1.0047					1.21	ND	3.26E+03	5.01
PCB-158 233'44'6-HxCB	37.04		1.0097	1.0096	-0.2	4.98E+05	1.36	1.29	76.5	3.26E+03	4.71

Lab ID: B9935_21527_PCB_005-CU

ACQ: 17-Oct-2024 05:34:01 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #5

UTP: 21-Oct-2024 15:33:12 JLJ

J-level: 20 pg Split: 2

Checkcode: 852-944-FFZ/C

Datafile: 241016B18

RPT: 23-Oct-2024 11:15 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	B C	0.9631	0.9644	+2.9	3.53E+05	1.17	0.92	58.5	6.98E+03	11.6
PCB-159 233'455'-HxCB	ND		0.9839					1.16	ND	6.98E+03	9.23
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	6.98E+03	11.1
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.07E+03	4.8
PCB-179 22'33'566'-HpCB	34.79		1.0095	1.0092	-0.6	3.34E+05	1.00	1.24	63.8	2.07E+03	3.75
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	2.07E+03	4.1
PCB-176 22'33'466'-HpCB	35.54	EMPC	1.0313	1.0309	-0.9	1.87E+05	1.34	1.05	42.1	2.07E+03	4.41
PCB-186 22'34566'-HpCB	ND		1.0428					1.22	ND	2.07E+03	3.8
PCB-178 22'33'55'6-HpCB	37.06		1.0758	1.0750	-1.8	1.98E+05	1.16	0.79	59.5	2.07E+03	5.89
PCB-175 22'33'45'6-HpCB	ND		1.0915					1.00	ND	7.73E+03	15.6
PCB-187 22'34'55'6-HpCB	37.83		1.0982	1.0972	-2.3	1.47E+06	1.02	1.33	217	7.73E+03	11.7
PCB-182 22'344'56'-HpCB	ND		1.1032					1.32	ND	7.73E+03	11.9
PCB-183 22'344'5'6-HpCB	38.33		1.1133	1.1118	-3.4	7.34E+05	1.06	1.15	126	7.73E+03	13.6
PCB-185 22'3455'6-HpCB	38.44	J EMPC	1.1161	1.1149	-2.8	9.90E+04	1.52	1.03	18.8	7.73E+03	15.1
PCB-174 22'33'456'-HpCB	38.55	B	1.1195	1.1181	-3.2	9.57E+05	1.09	1.11	169	7.73E+03	14.1
PCB-177 22'33'45'6'-HpCB	38.92		1.1304	1.1288	-3.7	5.11E+05	1.07	1.09	91.7	7.73E+03	14.3
PCB-181 22'344'56-HpCB	ND		1.1402					1.15	ND	7.73E+03	13.6
PCB-171/173 ...-HpCB	39.46	J EMPC C	1.1458	1.1444	-3.3	1.87E+05	1.21	0.99	37.2	7.73E+03	15.9
PCB-172 22'33'455'-HpCB	40.80		0.9058	0.9062	+1.0	1.24E+05	1.12	0.95	25.6	7.73E+03	16.4
PCB-192 233'455'6-HpCB	ND		0.9112					1.34	ND	7.73E+03	11.7
PCB-180/193 ...-HpCB	41.34	B C	0.9175	0.9183	+2.0	1.78E+06	1.02	1.13	309	7.73E+03	13.8
PCB-191 233'44'5'6-HpCB	ND		0.9247					1.16	ND	7.73E+03	13.5
PCB-170 22'33'44'5-HpCB	42.42	EMPC	0.9422	0.9423	+0.3	4.30E+05	1.28	1.03	103	7.73E+03	20.2
PCB-190 233'44'56-HpCB	42.89		0.9521	0.9527	+1.5	1.22E+05	1.19	1.41	21.3	7.73E+03	14.7
PCB-202 22'33'55'66'-OcCB	39.00		1.0006	1.0005	-0.2	1.30E+05	1.00	0.96	28.2	3.22E+03	6.99
PCB-201 22'33'45'66'-OcCB	39.78	J EMPC	1.0206	1.0205	-0.2	8.53E+04	1.08	0.90	19.7	3.22E+03	7.43
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	3.22E+03	6.43
PCB-197 22'33'44'66'-OcCB	ND		1.0403					0.97	ND	3.22E+03	6.91
PCB-200 22'33'4566'-OcCB	40.63	J	1.0430	1.0425	-1.2	5.26E+04	1.02	0.88	12.5	3.22E+03	7.62
PCB-198/199 ...-OcCB	42.98	EMPC C	1.1028	1.1028	0	2.06E+05	1.19	0.74	58	3.22E+03	9.04
PCB-196 22'33'44'56'-OcCB	43.53	EMPC	1.1176	1.1169	-1.8	8.84E+04	1.20	0.63	29	3.22E+03	10.6
PCB-203 22'344'55'6-OcCB	43.70	EMPC	1.1219	1.1212	-1.8	1.27E+05	1.16	0.77	34.1	3.22E+03	8.66
PCB-195 22'33'44'56-OcCB	44.83	J EMPC	0.9493	0.9495	+0.5	5.57E+04	0.71	0.89	16.6	3.05E+03	10
PCB-194 22'33'44'55'-OcCB	46.80	EMPC	0.9912	0.9913	+0.3	1.15E+05	0.73	0.87	35	3.05E+03	10.2
PCB-205 233'44'55'6-OcCB	ND		1.0004					0.92	ND	3.05E+03	9.65
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	5.55E+03	14.5
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.96	ND	5.55E+03	14.5
PCB-206 22'33'44'55'6-NoCB	ND		1.0005					0.93	ND	5.55E+03	31.4
AS PCB-32	20.086	V	1.2602	1.2632	+3.6	2.68E+06	1.02	0.84	22.6 %	50%	150%
AS PCB-97	30.788		1.0318	1.0308	-1.8	1.52E+07	1.60	0.85	85.8 %	50%	150%
AS PCB-159	38.57		1.0518	1.0513	-1.2	2.85E+07	1.32	1.16	113 %	50%	150%

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
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Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



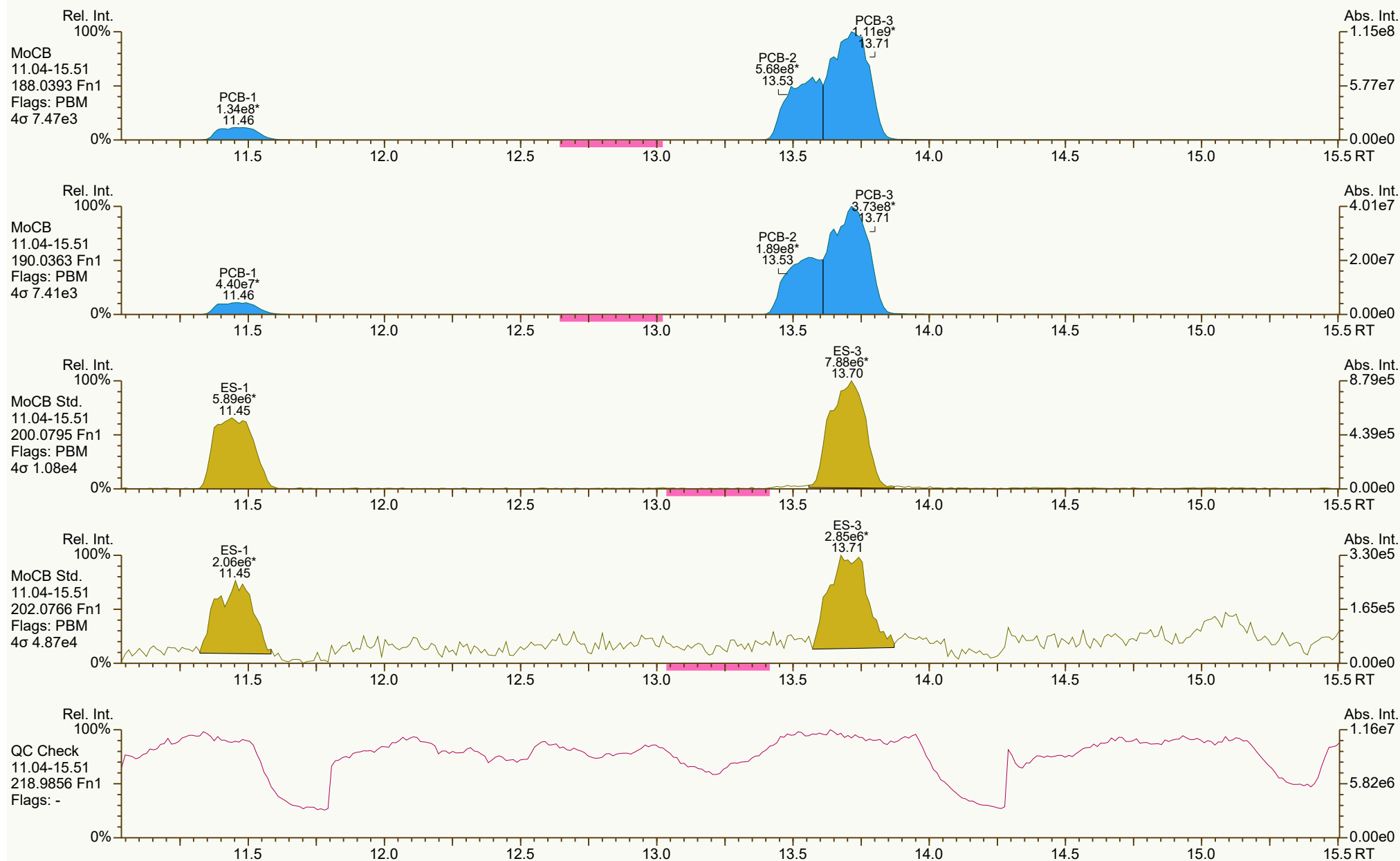
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 23-Oct-2024 11:15 Page 1 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

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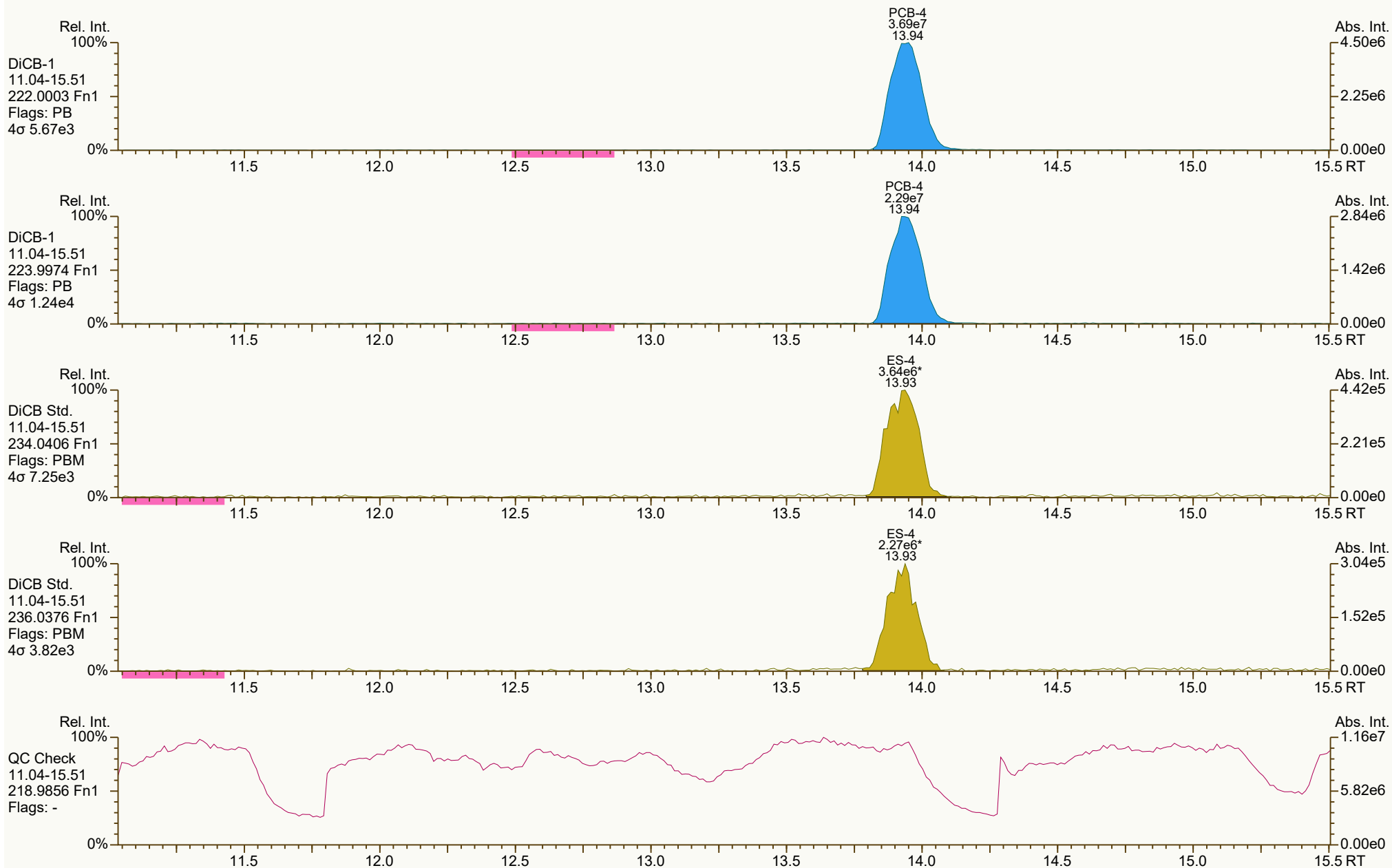
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:15 Page 2 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

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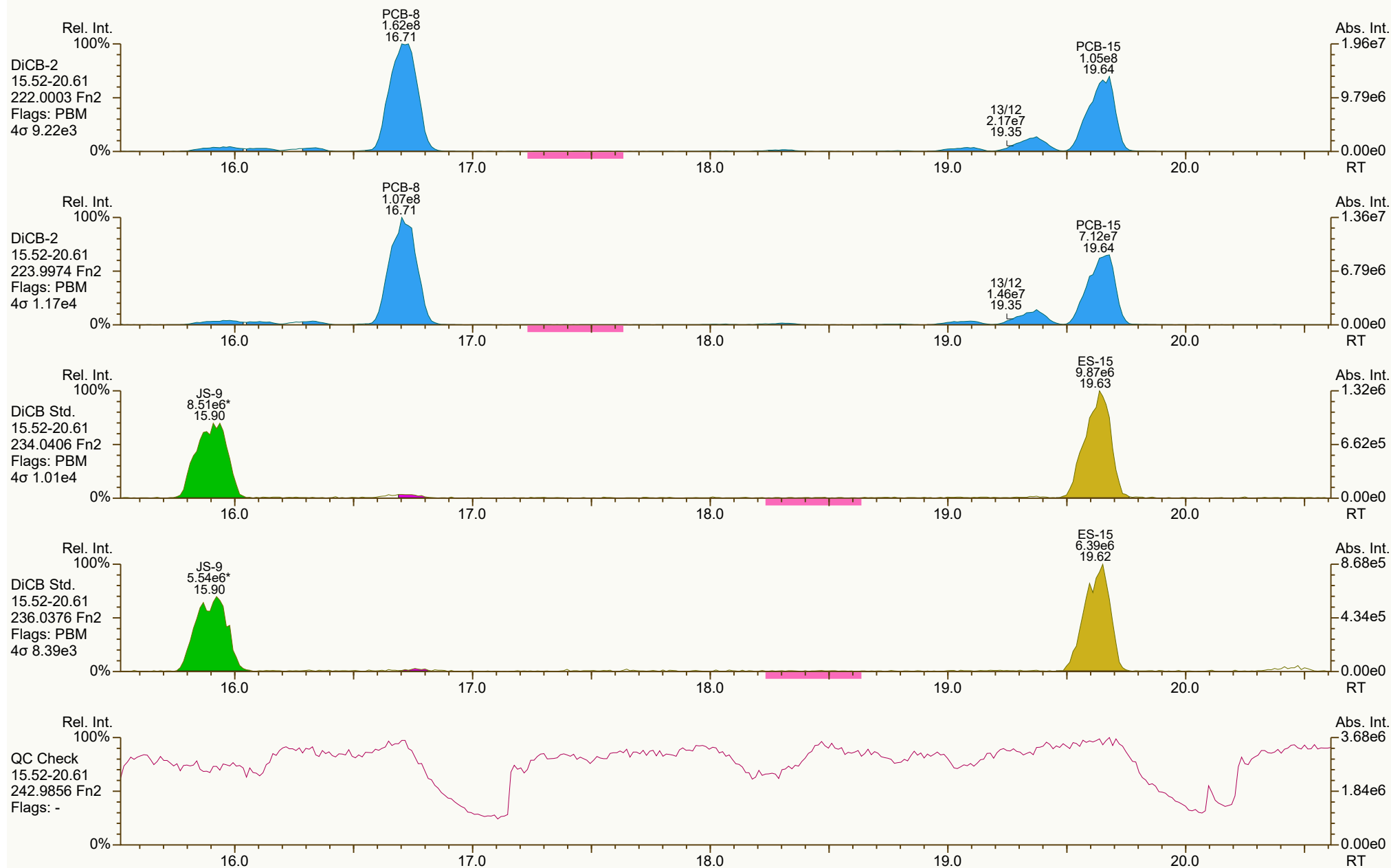
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Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:47 (JLJ) Printed: 23-Oct-2024 11:15 Page 3 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



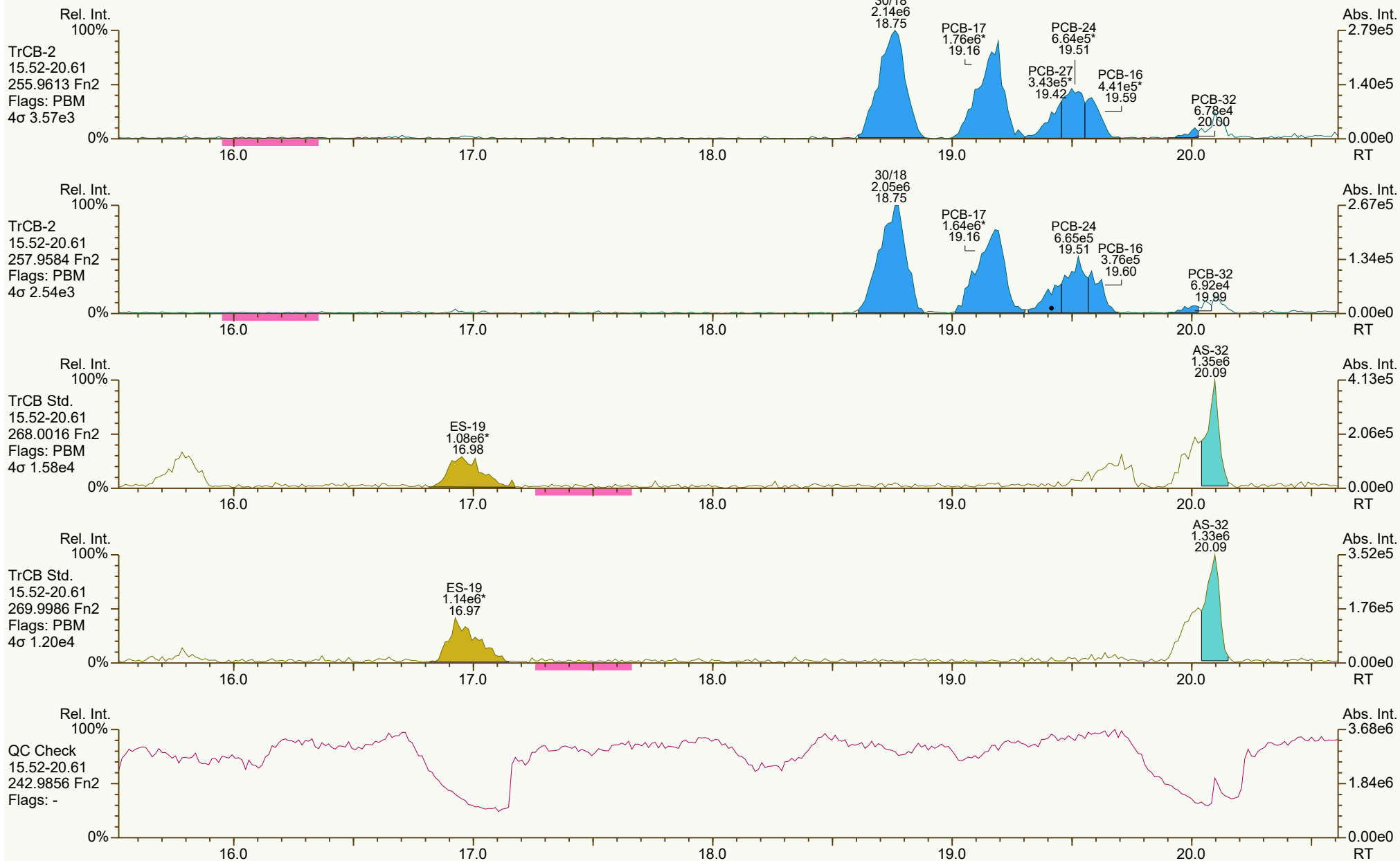
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 13:50 (JLJ) Printed: 23-Oct-2024 11:15 Page 4 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
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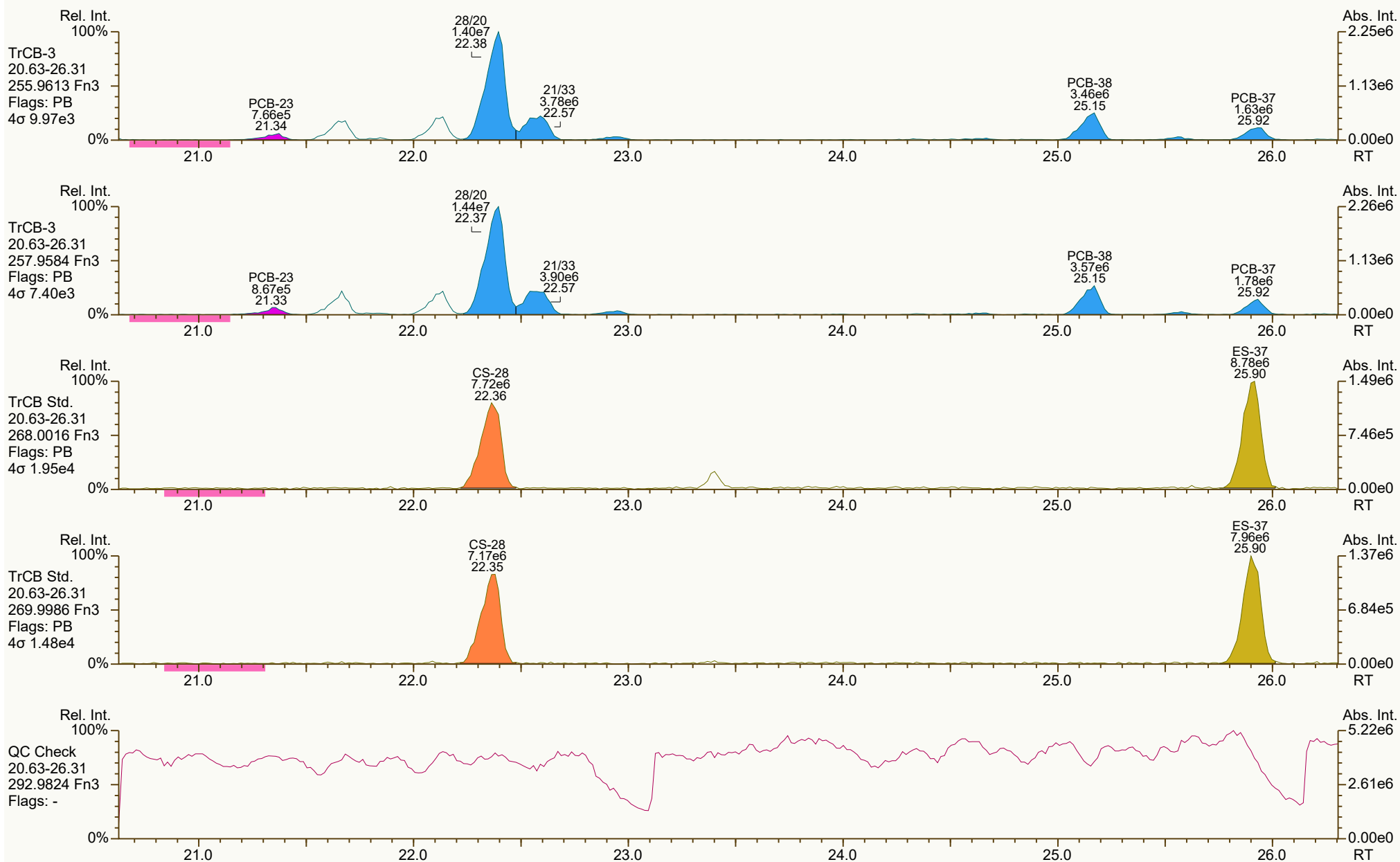
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:15 Page 5 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 6 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
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Acq: 17-Oct-2024 05:34:01
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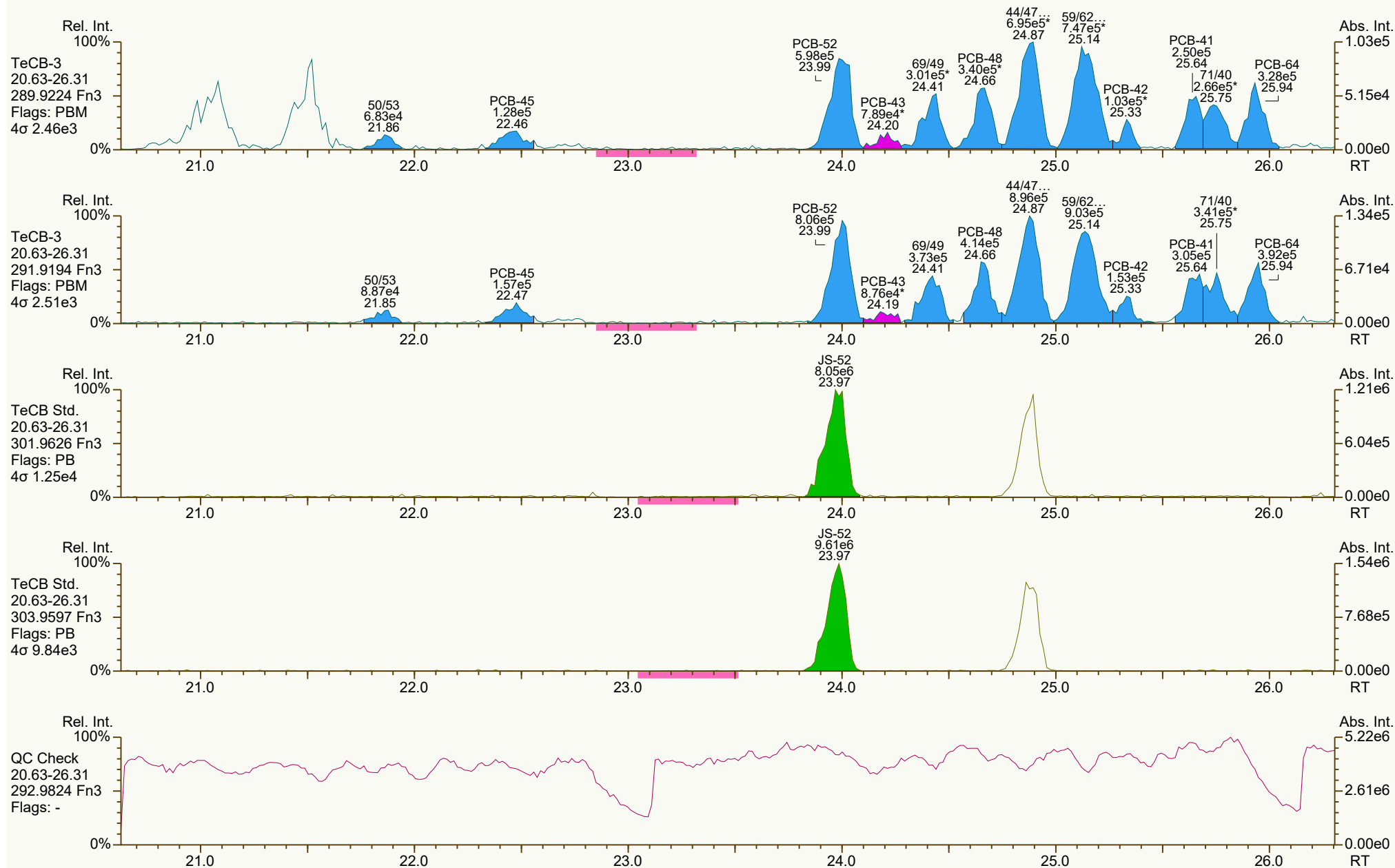
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Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:48 (JLJ) Printed: 23-Oct-2024 11:16 Page 7 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

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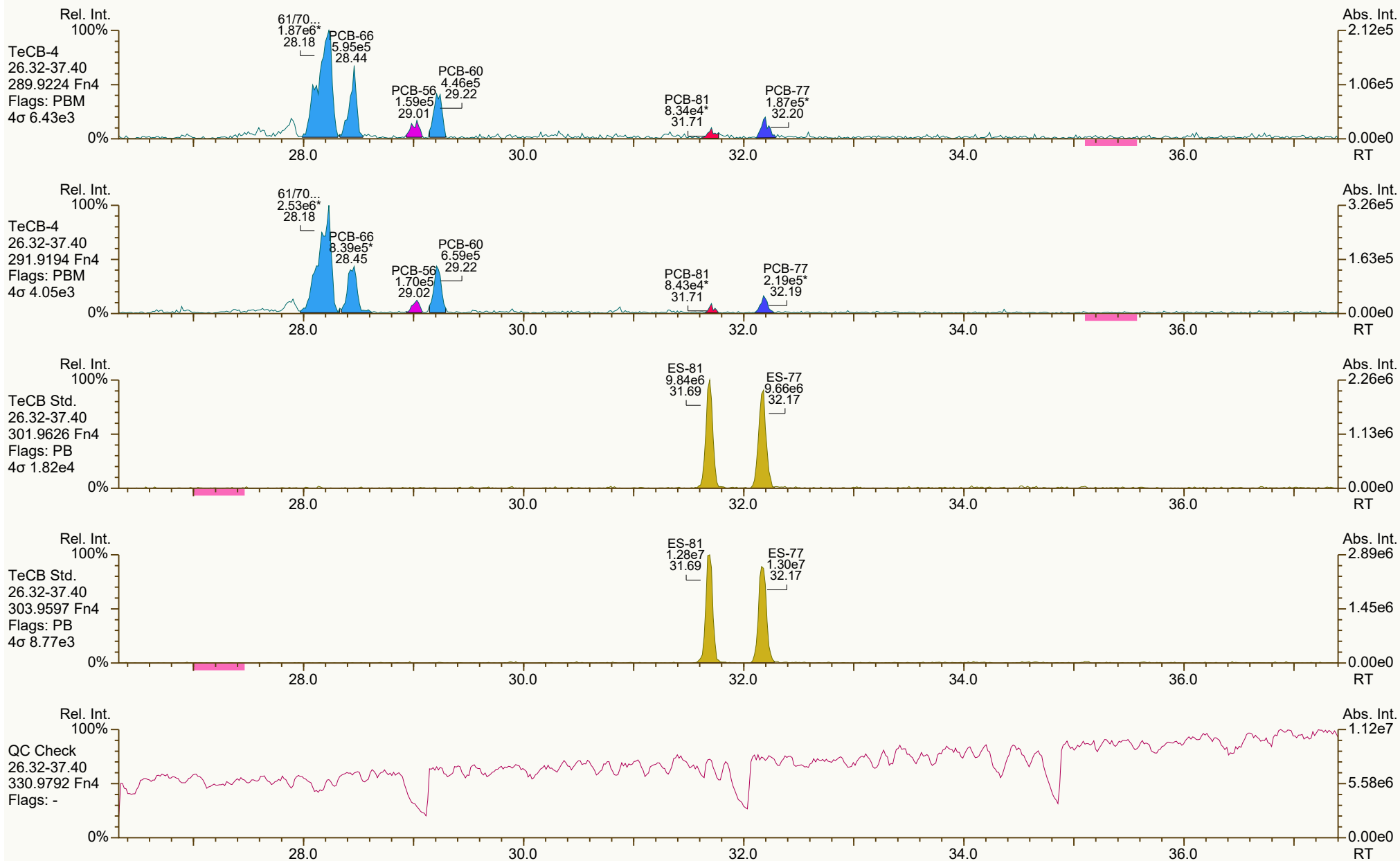
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 8 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

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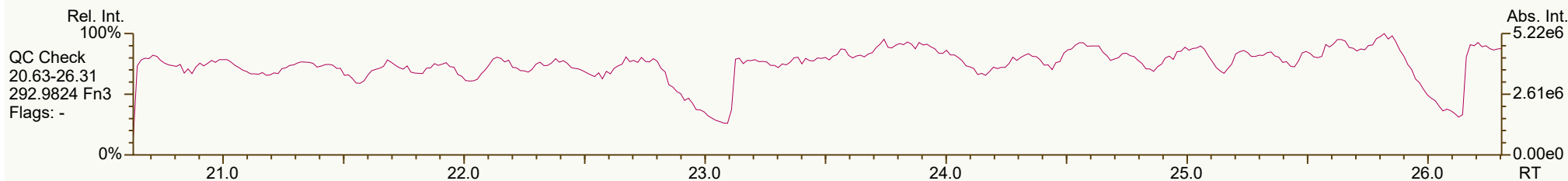
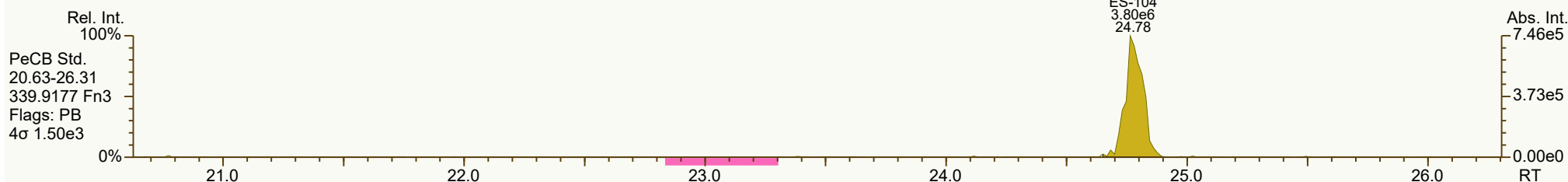
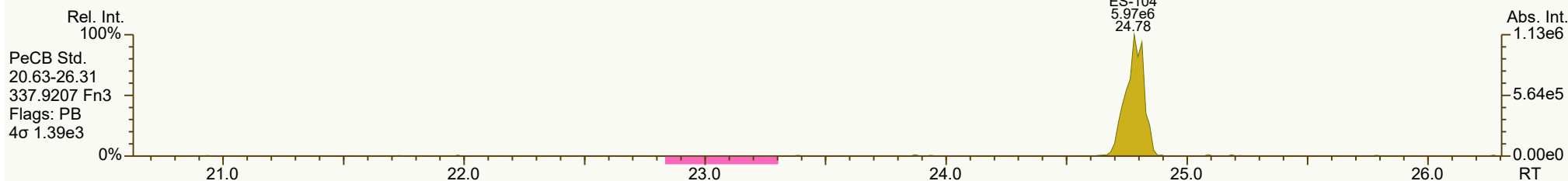
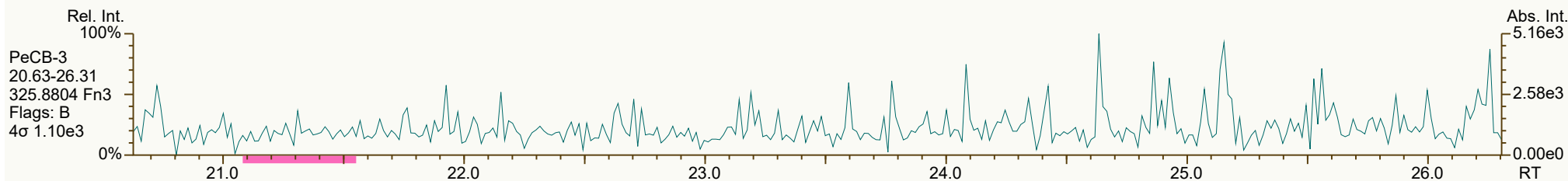
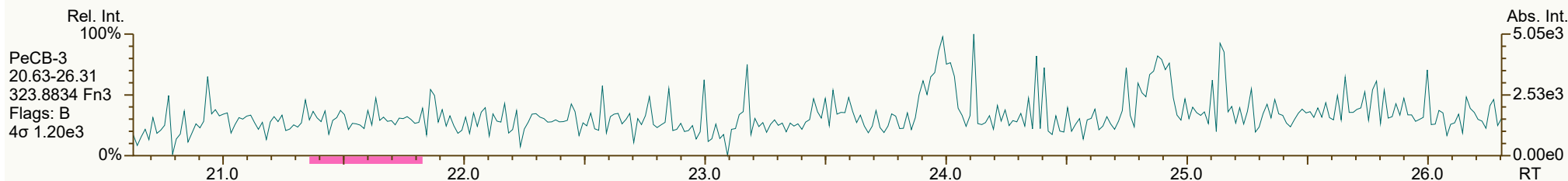
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 9 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

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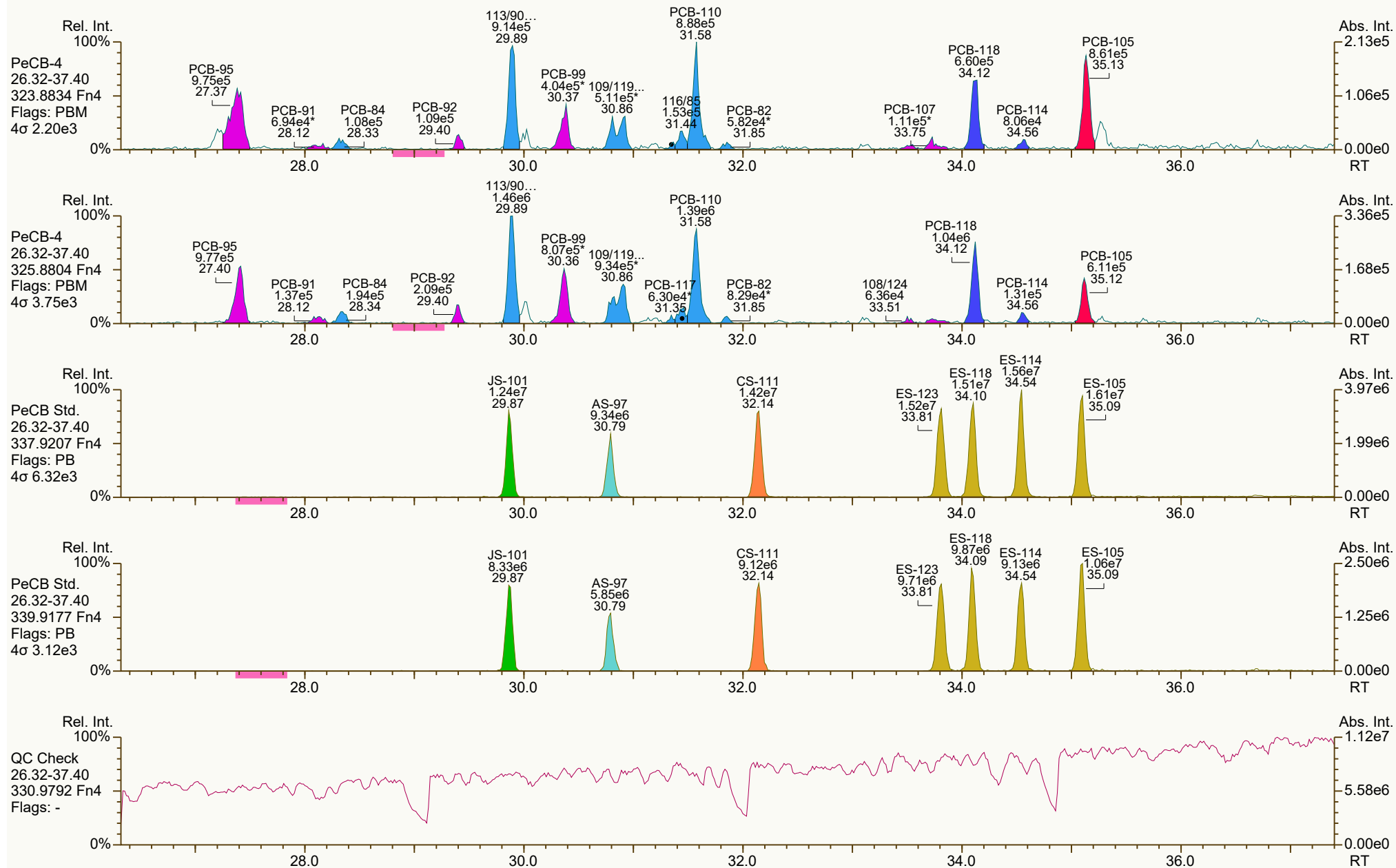
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 10 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 11 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 12 of 21

SGS ID: B9935_21527_PCB_005-CU
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Sample ID: Test #5
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User: JLJ Datafile: 241016B18



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_005-CU.utp_res, saved 21-Oct-2024 15:33 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5443, 0054 scc: 852-944

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 13 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



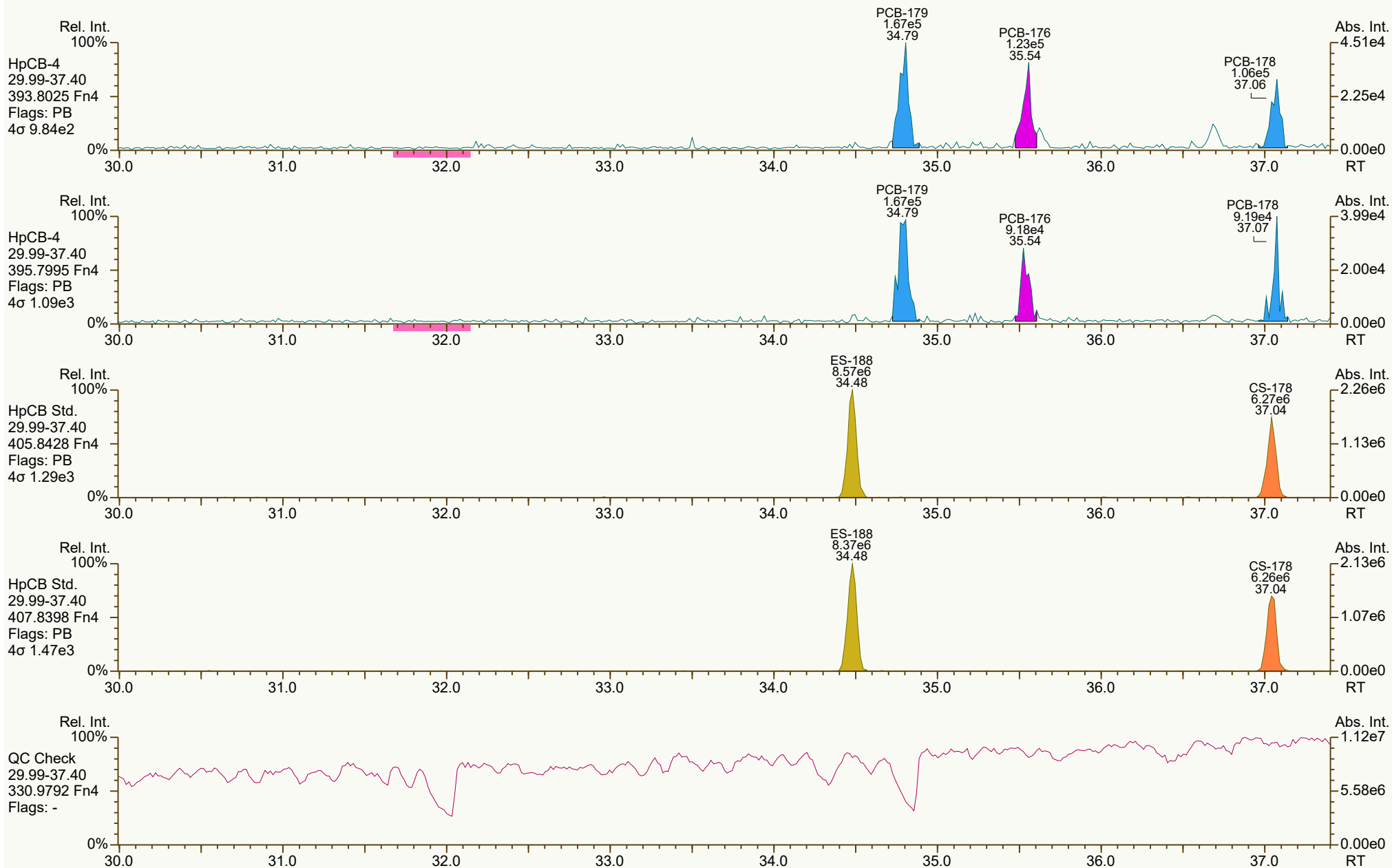
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5208, 2040 scc: 852-944

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 14 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0551, 8923 scc: 852-944

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 15 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5221, 3950 scc: 852-944

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 16 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4021, 7835 scc: 852-944

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 17 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



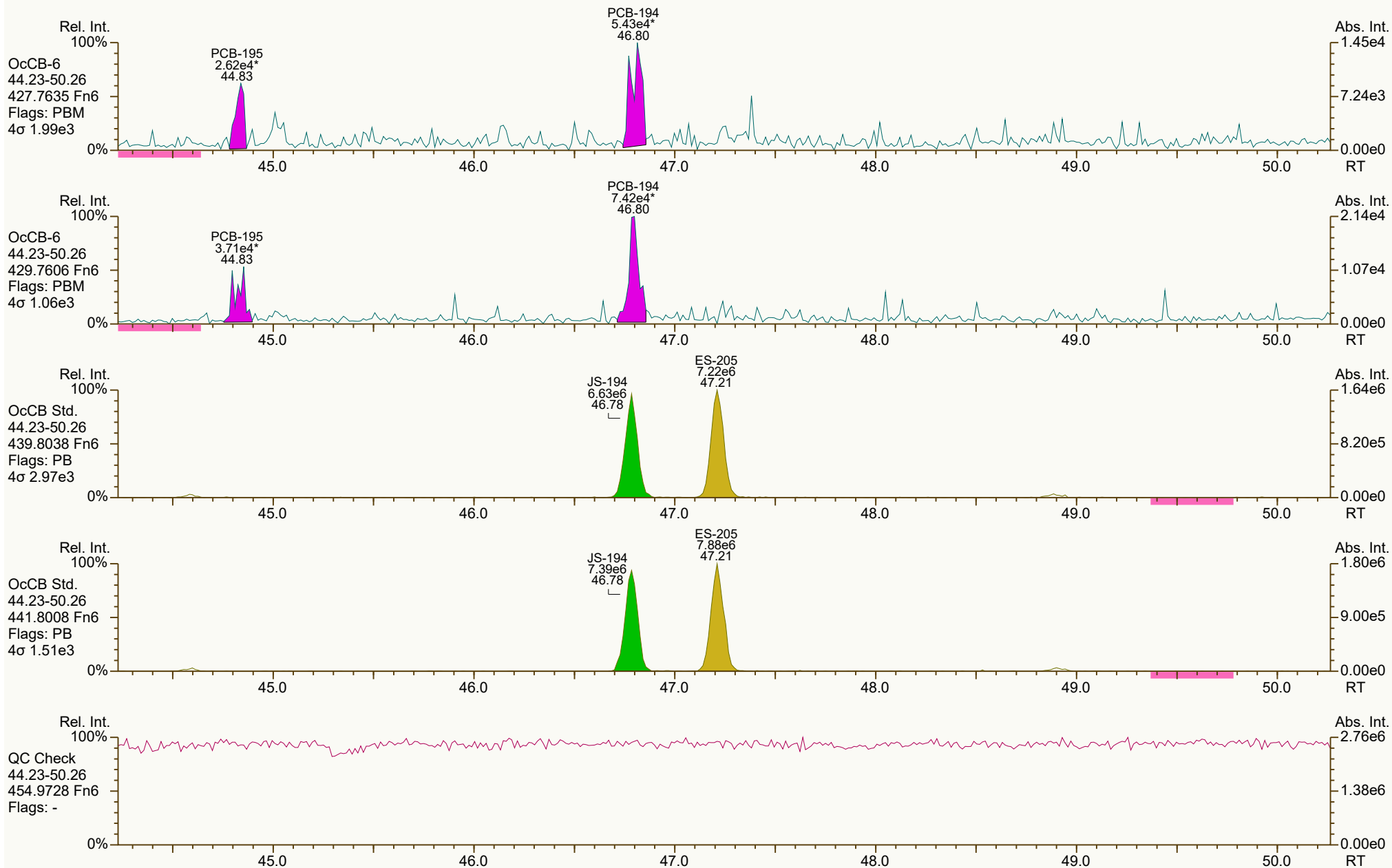
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 18 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



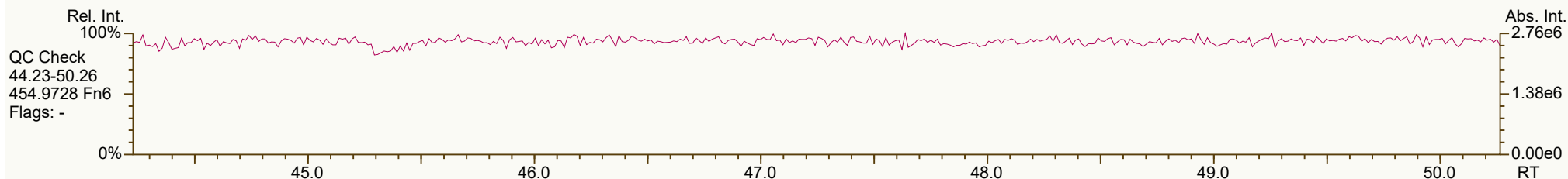
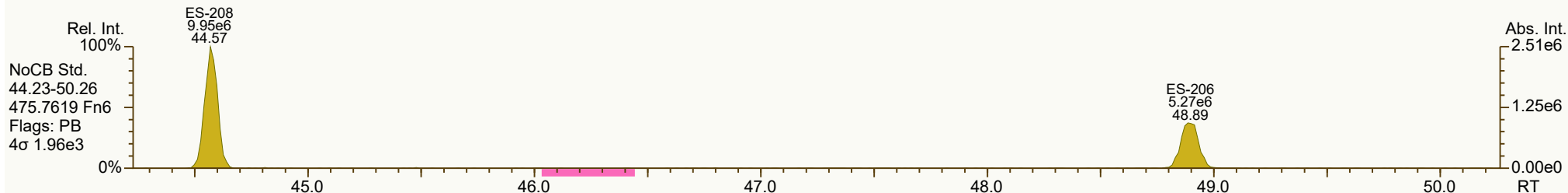
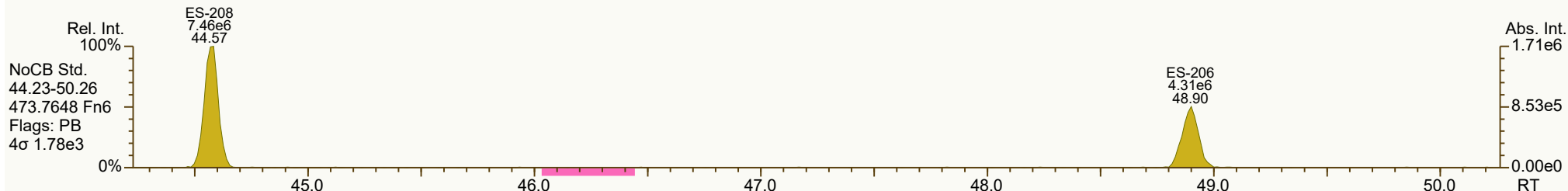
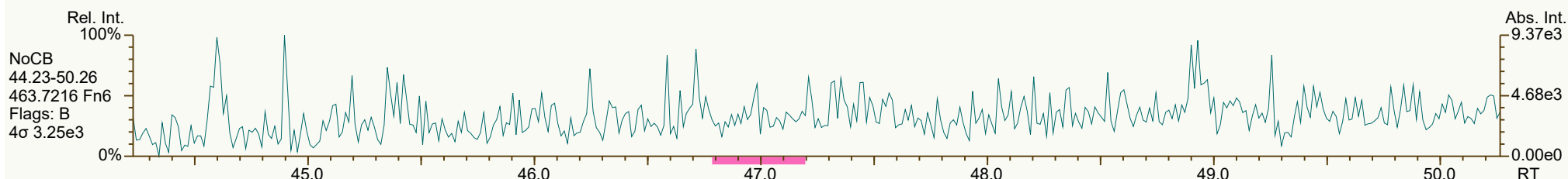
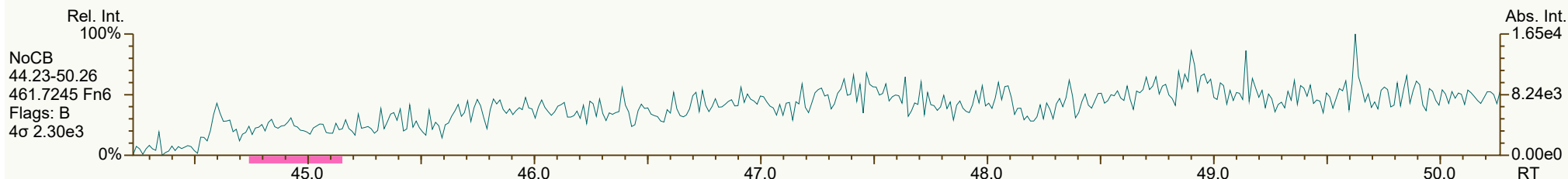
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8946, 7089 scc: 852-944

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 19 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_005-CU.utp_res, saved 21-Oct-2024 15:33 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1642, 7296 scc: 852-944

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 13:49 Printed: 23-Oct-2024 11:16 Page 20 of 21

SGS ID: B9935_21527_PCB_005-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #5
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 15

Acq: 17-Oct-2024 05:34:01
User: JLJ Datafile: 241016B18



Lab ID: B9935_21527_PCB_006-CU

ACQ: 17-Oct-2024 06:32:42 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #6

UTP: 21-Oct-2024 15:33:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 510-315-KTW/C

Datafile: 241016B19

RPT: 23-Oct-2024 11:16 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	ND		1.0006					0.95	ND	9.16E+03	25.2
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	9.16E+03	22.7
PCB-105 233'44'-PeCB	35.07	B EMPC	1.0006	1.0013	+1.5	4.51E+05	1.74	0.97	104	5.86E+03	14.3
PCB-114 2344'5-PeCB	34.49		1.0007	1.0007	0	1.96E+05	0.62	0.96	46.2	5.86E+03	14.6
PCB-118 23'44'5-PeCB	34.04	B	1.0007	1.0006	-0.2	7.13E+05	0.62	0.99	154	5.86E+03	12.6
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	5.86E+03	14.1
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	5.07E+03	17.9
PCB-156/157 ...-HxCB	40.17	J B EMPC C	1.0005	1.0002	-0.7	1.08E+05	0.92	0.96	34.5	4.82E+03	23.3
PCB-167 23'44'55'-HxCB	39.20	J	1.0005	1.0006	+0.2	6.43E+04	1.11	0.94	17.3	4.82E+03	12.9
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	4.82E+03	16.9
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	2.82E+03	13.7
PCB-209 DeCB	ND		1.0005					0.95	ND	1.67E+03	17
ES PCB-1	11.39		0.7219	0.7208	-0.8	6.72E+06	3.46	1.19	41.9 %	5%	145%
ES PCB-3	13.62		0.8628	0.8618	-0.8	1.00E+07	2.71	1.13	65.7 %	5%	145%
ES PCB-4	13.86		0.8777	0.8768	-0.7	6.02E+06	1.63	0.72	61.6 %	5%	145%
ES PCB-15	19.51		1.2345	1.2346	+0.1	1.51E+07	1.63	1.07	104 %	5%	145%
ES PCB-19	16.88		1.0688	1.0679	-0.9	1.32E+06	0.90	0.65	15.1 %	5%	145%
ES PCB-37	25.79		1.0824	1.0813	-1.7	1.58E+07	1.07	1.40	72.3 %	5%	145%
ES PCB-54	19.76		0.8288	0.8287	-0.1	2.55E+06	0.67	1.23	13.2 %	5%	145%
ES PCB-77	32.09		1.3483	1.3457	-5.0	1.76E+07	0.81	1.28	88.1 %	10%	145%
ES PCB-81	31.60		1.3278	1.3251	-5.1	1.81E+07	0.74	1.33	87.1 %	10%	145%
ES PCB-104	24.67		0.8278	0.8287	+1.3	8.34E+06	1.53	1.32	38.3 %	10%	145%
ES PCB-105	35.03		1.1779	1.1768	-2.3	1.79E+07	1.61	1.26	85.9 %	10%	145%
ES PCB-114	34.47		1.1590	1.1581	-1.9	1.76E+07	1.60	1.34	79.3 %	10%	145%
ES PCB-118	34.02		1.1434	1.1428	-1.2	1.88E+07	1.55	1.31	86.5 %	10%	145%
ES PCB-123	33.73		1.1339	1.1333	-1.2	1.82E+07	1.48	1.27	86.8 %	10%	145%
ES PCB-126	37.66		1.2663	1.2652	-2.5	1.37E+07	1.52	1.19	69.9 %	10%	145%
ES PCB-153	35.56		0.9706	0.9707	+0.2	1.35E+07	1.37	1.11	86.6 %	10%	145%
ES PCB-155	29.55		0.8059	0.8067	+1.4	1.46E+07	1.37	1.45	71.7 %	10%	145%
ES PCB-156/157	40.16	C	1.0967	1.0963	-1.0	2.62E+07	1.23	1.24	75.4 %	10%	145%
ES PCB-167	39.17		1.0695	1.0693	-0.5	1.59E+07	1.22	1.29	88 %	10%	145%
ES PCB-169	42.91		1.1714	1.1714	0	1.22E+07	1.27	1.18	73.5 %	10%	145%
ES PCB-170	42.38		0.9058	0.9060	+0.5	9.06E+06	1.01	1.06	109 %	10%	145%
ES PCB-180	41.30		0.8827	0.8829	+0.5	1.14E+07	0.93	1.25	116 %	10%	145%
ES PCB-188	34.41		0.9393	0.9394	+0.2	9.41E+06	1.25	1.36	49.3 %	10%	145%
ES PCB-189	45.01		0.9619	0.9622	+0.8	8.97E+06	1.00	1.37	83.2 %	10%	145%
ES PCB-202	38.94		1.0635	1.0630	-1.2	1.00E+07	0.79	1.19	59.8 %	10%	145%
ES PCB-205	47.20		1.0093	1.0091	-0.6	8.20E+06	0.86	1.23	84.8 %	10%	145%
ES PCB-206	48.89		1.0458	1.0451	-2.1	5.36E+06	0.78	0.89	76.7 %	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	44.56		0.9528	0.9527	-0.3	9.53E+06	0.78	1.26	96.6 %	10%	145%
ES PCB-209	50.64		1.0840	1.0826	-4.3	5.51E+06	1.17	0.98	71.3 %	10%	145%
SS PCB-28	22.23		0.9324	0.9324	0	1.22E+07	1.09	1.04	74.5 %	5%	145%
SS PCB-111	32.05		1.0771	1.0768	-0.6	1.46E+07	1.51	0.98	81.5 %	10%	145%
SS PCB-178	36.99		1.0099	1.0098	-0.2	6.35E+06	1.09	0.71	95.3 %	10%	145%
CS PCB-28	22.23		0.9324	0.9324	0	1.22E+07	1.09	1.44	54.2 %	5%	145%
CS PCB-111	32.05		1.0771	1.0768	-0.6	1.46E+07	1.51	1.24	71 %	10%	145%
CS PCB-178	36.99		1.0099	1.0098	-0.2	6.35E+06	1.09	0.96	47.1 %	10%	145%
JS PCB-9	15.81					1.35E+07	1.59				
JS PCB-52	23.85					1.56E+07	0.81				
JS PCB-101	29.77					1.66E+07	1.54				
JS PCB-138	36.64					1.40E+07	1.31				
JS PCB-194	46.78					7.86E+06	0.89				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	839,000	839,000	116		
						Di-CB	171,000	171,000	84.2		
						Tri-CB	33,300	33,300	158		
						Tetra-CB	2,430	2,690	24.4		
						Penta-CB	1,530	1,800	15.5		
						Hexa-CB	1,780	2,120	15.6		
						Hepta-CB	607	1,110	14.1		
						Octa-CB	226	226	11.5		
						Nona-CB	0	0	39.5		

Lab ID: B9935_21527_PCB_006-CU

ACQ: 17-Oct-2024 06:32:42 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #6

UTP: 21-Oct-2024 15:33:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 510-315-KTW/C

Datafile: 241016B19

RPT: 23-Oct-2024 11:16 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	11.41	E	1.0012	1.0012	0	1.54E+08	3.06	1.01	91,200	1.53E+04	139
PCB-2 3-MoCB	13.46	E	0.9879	0.9880	+0.1	7.38E+08	3.00	0.87	337,000	1.53E+04	109
PCB-3 4-MoCB	13.64	E	1.0010	1.0010	0	1.04E+09	2.91	1.01	410,000	1.53E+04	93.5
PCB-4 22'-DiCB	13.87		1.0012	1.0010	-0.2	5.96E+07	1.64	0.98	40,300	1.24E+04	109
PCB-10 26-DiCB	14.03		1.0136	1.0123	-1.1	4.74E+05	1.50	1.62	195	1.24E+04	66.4
PCB-9 25-DiCB	15.82		1.0010	1.0010	0	6.42E+06	1.55	0.78	2,190	1.71E+04	73.4
PCB-7 24-DiCB	15.98		1.0112	1.0112	0	8.01E+06	1.44	0.72	2,960	1.71E+04	79.6
PCB-6 23'-DiCB	16.21		1.0259	1.0254	-0.5	7.55E+06	1.49	0.84	2,390	1.71E+04	68.2
PCB-5 23-DiCB	16.48		1.0445	1.0427	-1.8	1.27E+06	1.49	0.68	491	1.71E+04	83.7
PCB-8 24'-DiCB	16.62		1.0520	1.0513	-0.7	2.42E+08	1.50	0.89	72,400	1.71E+04	64.5
PCB-14 35-DiCB	18.17		0.9307	0.9312	+0.5	3.48E+06	1.52	0.72	1,290	1.71E+04	79.6
PCB-11 33'-DiCB	18.95	B	0.9711	0.9711	0	8.84E+06	1.41	0.78	2,990	1.71E+04	72.9
PCB-13/12 34'/34-DiCB	19.23	C	0.9858	0.9855	-0.3	2.36E+07	1.41	0.71	8,800	1.71E+04	80.2
PCB-15 44'-DiCB	19.53		1.0007	1.0009	+0.2	1.34E+08	1.45	0.97	36,900	1.71E+04	59.2
PCB-19 22'6-TrCB	ND		1.0011					1.03	ND	7.04E+03	273
PCB-30/18 246/22'5-TrCB	18.64	C	1.1030	1.1043	+1.5	3.73E+06	1.05	1.62	6,940	7.04E+03	174
PCB-17 22'4-TrCB	19.04		1.1270	1.1281	+1.3	2.85E+06	1.06	1.11	7,770	7.04E+03	255
PCB-27 23'6-TrCB	ND		1.1387					1.52	ND	7.04E+03	185
PCB-24 236-TrCB	19.35		1.1462	1.1465	+0.3	1.26E+06	1.07	1.55	2,460	7.04E+03	182
PCB-16 22'3-TrCB	19.47		1.1524	1.1532	+0.9	9.89E+05	0.93	1.16	2,590	7.04E+03	244
PCB-32 24'6-TrCB	19.95		1.1803	1.1816	+1.6	7.04E+05	0.99	1.73	1,230	7.04E+03	164
PCB-34 23'5'-TrCB	21.09	EMPC	0.8163	0.8178	+1.9	7.70E+04	1.50	0.91	21.4	1.56E+04	48.4
PCB-23 235-TrCB	21.22		0.8218	0.8227	+1.1	1.28E+06	1.00	0.98	329	1.56E+04	44.9
PCB-26/29 23'5/245-TrCB	21.52	C	0.8330	0.8347	+2.2	4.45E+06	1.00	0.96	1,170	1.56E+04	45.8
PCB-25 23'4-TrCB	21.72		0.8409	0.8421	+1.6	3.20E+05	0.97	1.18	68.5	1.56E+04	37.3
PCB-31 24'5-TrCB	21.99		0.8517	0.8528	+1.5	4.48E+06	0.99	1.15	990	1.56E+04	38.4
PCB-28/20 244'/233'-TrCB	22.25	C	0.8626	0.8630	+0.5	2.50E+07	0.99	1.04	6,080	1.56E+04	42.3
PCB-21/33 234/23'4'-TrCB	22.45	C	0.8696	0.8706	+1.3	6.03E+06	1.01	1.03	1,480	1.56E+04	42.7
PCB-22 234'-TrCB	22.82	B	0.8845	0.8847	+0.3	4.96E+05	1.08	1.11	113	1.56E+04	39.6
PCB-36 33'5-TrCB	ND		0.9378					1.11	ND	1.56E+04	39.5
PCB-39 34'5-TrCB	24.52		0.9504	0.9509	+0.7	2.69E+05	1.16	1.00	68.4	1.56E+04	44.2
PCB-38 345-TrCB	25.03		0.9706	0.9707	+0.2	5.77E+06	1.03	1.02	1,440	1.56E+04	43.3
PCB-35 33'4-TrCB	25.44		0.9865	0.9866	+0.2	3.23E+05	1.00	0.97	84.5	1.56E+04	45.5
PCB-37 344'-TrCB	25.81		1.0007	1.0008	+0.2	1.83E+06	1.00	1.03	449	1.56E+04	42.7
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.21E+03	58.2
PCB-50/53 22'46/22'56'-TeCB	21.74	J C	0.9120	0.9117	-0.4	1.39E+05	0.67	0.91	33.7	3.20E+03	8.2
PCB-45 22'36'-TeCB	22.32	B	0.9369	0.9360	-1.2	1.66E+05	0.83	0.63	57.9	3.20E+03	11.8
PCB-51 22'46'-TeCB	22.39	J B EMPC	0.9395	0.9391	-0.5	7.80E+04	1.19	1.06	16.4	3.20E+03	7.1
PCB-46 22'36'-TeCB	22.61	J	0.9488	0.9481	-0.9	5.91E+04	0.79	0.73	18	3.20E+03	10.3
PCB-52 22'55'-TeCB	23.87	B	1.0010	1.0010	0	1.12E+06	0.76	0.97	255	3.20E+03	7.7
PCB-73 23'5'6'-TeCB	ND		1.0061					1.21	ND	3.20E+03	6.21

Lab ID: B9935_21527_PCB_006-CU

ACQ: 17-Oct-2024 06:32:42 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #6

UTP: 21-Oct-2024 15:33:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 510-315-KTW/C

Datafile: 241016B19

RPT: 23-Oct-2024 11:16 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	24.08		1.0100	1.0099	-0.1	1.65E+05	0.85	0.91	40	3.20E+03	8.22
PCB-69/49 23'46/22'45'-TeCB	24.29	B C	1.0181	1.0187	+0.9	5.28E+05	0.84	1.03	114	3.20E+03	7.28
PCB-48 22'45'-TeCB	24.54		1.0299	1.0291	-1.2	5.92E+05	0.71	0.86	152	3.20E+03	8.7
PCB-44/47/65 ...-TeCB	24.76	B C	1.0391	1.0383	-1.2	1.37E+06	0.73	0.99	307	3.20E+03	7.59
PCB-59/62/75 ...-TeCB	25.02	C	1.0505	1.0493	-1.8	1.34E+06	0.77	1.12	266	3.20E+03	6.71
PCB-42 22'34'-TeCB	25.21		1.0580	1.0570	-1.5	2.12E+05	0.75	0.79	59.3	3.20E+03	9.48
PCB-41 22'34'-TeCB	25.53		1.0720	1.0708	-1.8	4.92E+05	0.90	0.65	167	3.20E+03	11.5
PCB-71/40 23'4'6/22'33'-TeCB	25.63	B EMPC C	1.0761	1.0749	-1.8	2.64E+05	0.63	0.96	60.7	3.20E+03	7.79
PCB-64 234'6'-TeCB	25.82	B	1.0844	1.0828	-2.5	5.69E+05	0.79	1.15	110	3.20E+03	6.52
PCB-72 23'55'-TeCB	ND		0.8391					0.91	ND	9.16E+03	23.5
PCB-68 23'45'-TeCB	ND		0.8471					0.88	ND	9.16E+03	24.4
PCB-57 233'5'-TeCB	ND		0.8589					0.93	ND	9.16E+03	23
PCB-58 233'5'-TeCB	ND		0.8655					1.04	ND	9.16E+03	20.6
PCB-67 23'45'-TeCB	ND		0.8702					1.08	ND	9.16E+03	19.8
PCB-63 234'5'-TeCB	27.75	EMPC	0.8775	0.8782	+1.2	2.53E+05	0.57	0.85	65.9	9.16E+03	25.2
PCB-61/70/74/76 ...-TeCB	28.07	B C	0.8867	0.8882	+2.5	2.98E+06	0.82	0.97	681	9.16E+03	22.1
PCB-66 23'44'-TeCB	28.33	B EMPC	0.8958	0.8965	+1.2	4.38E+05	0.60	0.98	98.8	9.16E+03	21.8
PCB-55 233'4'-TeCB	ND		0.9006					1.01	ND	9.16E+03	21.3
PCB-56 233'4'-TeCB	28.92	J EMPC	0.9145	0.9152	+1.2	7.32E+04	1.00	0.96	16.9	9.16E+03	22.4
PCB-60 2344'-TeCB	29.11		0.9206	0.9211	+0.9	6.17E+05	0.77	0.83	166	9.16E+03	26
PCB-80 33'55'-TeCB	ND		0.9306					0.95	ND	9.16E+03	22.5
PCB-79 33'45'-TeCB	ND		0.9730					1.03	ND	9.16E+03	20.8
PCB-78 33'45'-TeCB	ND		0.9884					0.85	ND	9.16E+03	25.1
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	3.32E+03	19.7
PCB-96 22'366'-PeCB	ND		1.0146					1.11	ND	3.32E+03	17.7
PCB-103 22'45'6'-PeCB	ND		0.8960					0.84	ND	5.86E+03	16
PCB-94 22'356'-PeCB	ND		0.9027					0.71	ND	5.86E+03	19
PCB-95 22'35'6'-PeCB	27.28	B	0.9159	0.9165	+1.0	1.01E+06	0.62	0.80	277	5.86E+03	16.9
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.79	ND	5.86E+03	17.1
PCB-102 22'456'-PeCB	ND		0.9261					0.92	ND	5.86E+03	14.7
PCB-98 22'34'6'-PeCB	ND		0.9284					0.92	ND	5.86E+03	14.7
PCB-88 22'346'-PeCB	27.95	J	0.9386	0.9389	+0.5	4.23E+04	0.58	0.76	12.2	5.86E+03	17.7
PCB-91 22'34'6'-PeCB	28.03	EMPC	0.9411	0.9417	+1.0	1.28E+05	0.72	0.80	35.3	5.86E+03	16.9
PCB-84 22'33'6'-PeCB	28.23	B EMPC	0.9479	0.9484	+0.8	1.59E+05	0.50	0.67	51.7	5.86E+03	20
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	5.86E+03	16.7
PCB-121 23'45'6'-PeCB	ND		0.9725					1.20	ND	5.86E+03	11.2
PCB-92 22'355'-PeCB	29.29	B EMPC	0.9838	0.9839	+0.2	1.82E+05	0.50	0.76	53	5.86E+03	17.9
PCB-113/90/101 ...-PeCB	29.79	B C	1.0000	1.0008	+1.4	1.33E+06	0.61	0.88	330	5.86E+03	15.3
PCB-83 22'33'5'-PeCB	ND		1.0148					0.63	ND	5.86E+03	21.5
PCB-99 22'44'5'-PeCB	30.27	B	1.0176	1.0170	-1.1	7.44E+05	0.57	1.01	161	5.86E+03	13.3
PCB-112 233'56'-PeCB	ND		1.0213					1.30	ND	5.86E+03	10.4

Lab ID: B9935_21527_PCB_006-CU

ACQ: 17-Oct-2024 06:32:42 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

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J-level: 20 pg Split: 2

Checkcode: 510-315-KTW/C

Datafile: 241016B19

RPT: 23-Oct-2024 11:16 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	30.78	B C	1.0330	1.0339	+1.7	8.46E+05	0.56	0.95	196	5.86E+03	14.3
PCB-117 234'56-PeCB	31.27		1.0509	1.0507	-0.4	1.07E+05	0.60	1.01	23.2	5.86E+03	13.3
PCB-116/85 23456/22'344'-PeCB	31.36	B C	1.0538	1.0536	-0.4	1.75E+05	0.60	0.87	44.4	5.86E+03	15.6
PCB-110 233'4'6-PeCB	31.50	B	1.0582	1.0583	+0.2	1.29E+06	0.69	1.05	270	5.86E+03	12.9
PCB-115 2344'6-PeCB	ND		1.0605					1.30	ND	5.86E+03	10.4
PCB-82 22'33'4-PeCB	31.76	J EMPC	1.0679	1.0671	-1.5	6.03E+04	0.50	0.76	17.4	5.86E+03	17.8
PCB-111 233'55'-PeCB	ND		1.0779					1.03	ND	5.86E+03	13.1
PCB-120 23'455'-PeCB	ND		1.0913					1.23	ND	5.86E+03	10.9
PCB-108/124 ...-PeCB	ND	C	0.9915					0.98	ND	5.86E+03	13.8
PCB-107 233'4'5-PeCB	33.65	J	0.9976	0.9976	0	9.87E+04	0.56	1.10	19.8	5.86E+03	12.3
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	5.86E+03	12.8
PCB-122 233'4'5'-PeCB	ND		1.0095					0.83	ND	5.86E+03	16.8
PCB-127 33'455'-PeCB	ND		1.0357					1.02	ND	5.86E+03	13.7
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.19E+03	9.35
PCB-152 22'3566'-HxCB	ND		1.0072					1.15	ND	3.19E+03	7.77
PCB-150 22'34'66'-HxCB	ND		1.0118					1.01	ND	3.19E+03	8.8
PCB-136 22'33'66'-HxCB	30.22	EMPC	1.0228	1.0227	-0.2	3.47E+05	1.54	0.91	104	3.19E+03	9.77
PCB-145 22'3466'-HxCB	ND		1.0313					1.05	ND	3.19E+03	8.5
PCB-148 22'34'56'-HxCB	ND		1.0741					1.11	ND	3.19E+03	8.41
PCB-151/135 ...-HxCB	32.27	B C	1.0925	1.0918	-1.4	7.89E+05	1.21	1.08	216	3.19E+03	8.65
PCB-154 22'44'56'-HxCB	ND		1.0987					1.16	ND	3.19E+03	8.09
PCB-144 22'345'6-HxCB	32.74	EMPC	1.1082	1.1079	-0.6	8.12E+04	1.55	1.05	23	3.19E+03	8.93
PCB-147/149 ...-HxCB	33.04	C	1.1186	1.1180	-1.2	1.64E+06	1.16	1.13	428	3.19E+03	8.26
PCB-134 22'33'56-HxCB	33.22	EMPC	1.1248	1.1240	-1.6	7.00E+04	1.44	0.75	27.8	3.19E+03	12.6
PCB-143 22'3456'-HxCB	ND		1.1273					1.07	ND	3.19E+03	8.78
PCB-139/140 ...-HxCB	ND	C	1.1359					1.09	ND	3.19E+03	8.6
PCB-131 22'33'46-HxCB	ND		1.1421					0.95	ND	3.19E+03	9.85
PCB-142 22'3456-HxCB	ND		1.1468					0.93	ND	3.19E+03	10.1
PCB-132 22'33'46'-HxCB	34.13	B	1.1554	1.1549	-1.0	4.50E+05	1.19	0.95	141	3.19E+03	9.87
PCB-133 22'33'55'-HxCB	ND		1.1687					1.07	ND	3.19E+03	8.8
PCB-165 233'55'6-HxCB	ND		0.9511					1.17	ND	3.19E+03	8.03
PCB-146 22'34'55'-HxCB	35.06		0.9569	0.9570	+0.2	2.72E+05	1.36	1.18	68.5	3.19E+03	7.96
PCB-161 233'45'6-HxCB	ND		0.9601					1.38	ND	3.19E+03	6.78
PCB-153/168 ...-HxCB	35.58	B C	0.9717	0.9713	-0.9	1.70E+06	1.20	1.26	402	3.19E+03	7.45
PCB-141 22'3455'-HxCB	35.76	EMPC	0.9761	0.9761	0	3.09E+05	1.49	0.94	97.3	3.19E+03	9.94
PCB-130 22'33'45'-HxCB	36.11	EMPC	0.9856	0.9856	0	5.41E+04	1.92	0.78	20.6	3.19E+03	12
PCB-137 22'344'5-HxCB	36.29	EMPC	0.9907	0.9905	-0.4	7.53E+04	1.61	0.93	24.1	3.19E+03	10.1
PCB-164 233'4'5'6-HxCB	36.39		0.9933	0.9933	0	1.65E+05	1.30	1.27	38.4	3.19E+03	7.36
PCB-163/138/129 ...-HxCB	36.66	B C	1.0011	1.0007	-0.9	1.27E+06	1.11	0.96	392	3.19E+03	9.73
PCB-160 233'456-HxCB	ND		1.0047					1.21	ND	3.19E+03	7.74
PCB-158 233'44'6-HxCB	37.00		1.0097	1.0098	+0.2	1.91E+05	1.23	1.29	43.9	3.19E+03	7.28

Lab ID: B9935_21527_PCB_006-CU

ACQ: 17-Oct-2024 06:32:42 JLJ

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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	37.75	J B C	0.9631	0.9637	+1.4	1.38E+05	1.25	0.92	37.5	4.82E+03	13.1
PCB-159 233'455'-HxCB	ND		0.9839					1.16	ND	4.82E+03	10.4
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	4.82E+03	12.5
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	1.89E+03	8.07
PCB-179 22'33'566'-HpCB	34.74		1.0095	1.0094	-0.2	1.55E+05	0.90	1.24	53.3	1.89E+03	6.3
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	1.89E+03	6.9
PCB-176 22'33'466'-HpCB	35.51	EMPC	1.0313	1.0319	+1.3	1.14E+05	1.29	1.05	46.2	1.89E+03	7.41
PCB-186 22'34566'-HpCB	ND		1.0428					1.22	ND	1.89E+03	6.39
PCB-178 22'33'55'6-HpCB	37.01		1.0758	1.0754	-0.9	9.67E+04	1.07	0.79	52.3	1.89E+03	9.9
PCB-175 22'33'45'6-HpCB	ND		1.0915					1.00	ND	4.69E+03	16.8
PCB-187 22'34'55'6-HpCB	37.78	B	1.0982	1.0978	-0.9	7.11E+05	1.01	1.33	188	4.69E+03	12.7
PCB-182 22'344'56'-HpCB	ND		1.1032					1.32	ND	4.69E+03	12.8
PCB-183 22'344'5'6-HpCB	38.30		1.1133	1.1128	-1.1	3.85E+05	0.92	1.15	118	4.69E+03	14.7
PCB-185 22'3455'6-HpCB	38.39	J EMPC	1.1161	1.1155	-1.4	3.31E+04	1.40	1.03	11.3	4.69E+03	16.3
PCB-174 22'33'456'-HpCB	38.51	B EMPC	1.1195	1.1189	-1.4	4.70E+05	0.84	1.11	149	4.69E+03	15.2
PCB-177 22'33'45'6'-HpCB	38.89		1.1304	1.1301	-0.7	2.51E+05	0.95	1.09	80.6	4.69E+03	15.4
PCB-181 22'344'56-HpCB	ND		1.1402					1.15	ND	4.69E+03	14.7
PCB-171/173 ...-HpCB	39.42	J EMPC C	1.1458	1.1453	-1.2	1.07E+05	1.20	0.99	38.1	4.69E+03	17.1
PCB-172 22'33'455'-HpCB	40.76	EMPC	0.9058	0.9056	-0.5	6.72E+04	0.75	0.95	24.9	4.69E+03	17.7
PCB-192 233'455'6-HpCB	ND		0.9112					1.34	ND	4.69E+03	12.6
PCB-180/193 ...-HpCB	41.31	B EMPC C	0.9175	0.9180	+1.2	7.63E+05	0.87	1.13	238	4.69E+03	14.9
PCB-191 233'44'5'6-HpCB	ND		0.9247					1.16	ND	4.69E+03	14.6
PCB-170 22'33'44'5-HpCB	42.40		0.9422	0.9422	0	2.32E+05	1.19	1.03	99.4	4.69E+03	22.3
PCB-190 233'44'56-HpCB	42.86	J	0.9521	0.9522	+0.3	4.97E+04	1.17	1.41	15.6	4.69E+03	16.3
PCB-202 22'33'55'66'-OcCB	38.96		1.0006	1.0005	-0.2	5.89E+04	1.02	0.96	24.7	2.26E+03	9.16
PCB-201 22'33'45'66'-OcCB	39.74	J	1.0206	1.0206	0	4.28E+04	0.89	0.90	19	2.26E+03	9.74
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	2.26E+03	8.43
PCB-197 22'33'44'66'-OcCB	ND		1.0403					0.97	ND	2.26E+03	9.05
PCB-200 22'33'4566'-OcCB	ND		1.0430					0.88	ND	2.26E+03	9.99
PCB-198/199 ...-OcCB	42.97	C	1.1028	1.1035	+1.8	1.34E+05	0.88	0.74	72.6	2.26E+03	11.9
PCB-196 22'33'44'56'-OcCB	43.50		1.1176	1.1172	-1.0	5.85E+04	0.92	0.63	37	2.26E+03	13.8
PCB-203 22'344'55'6-OcCB	43.68		1.1219	1.1218	-0.3	5.97E+04	0.96	0.77	30.9	2.26E+03	11.3
PCB-195 22'33'44'56-OcCB	ND		0.9493					0.89	ND	2.35E+03	14.3
PCB-194 22'33'44'55'-OcCB	46.80		0.9912	0.9914	+0.6	7.45E+04	0.88	0.87	41.5	2.35E+03	14.5
PCB-205 233'44'55'6-OcCB	ND		1.0004					0.92	ND	2.35E+03	13.8
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	5.51E+03	25.9
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.96	ND	5.51E+03	25.9
PCB-206 22'33'44'55'6-NoCB	ND		1.0005					0.93	ND	5.51E+03	53.1
AS PCB-32	19.93		1.2602	1.2609	+0.8	5.80E+06	1.01	0.84	51 %	50%	150%
AS PCB-97	30.702		1.0318	1.0315	-0.6	1.28E+07	1.68	0.85	90.3 %	50%	150%
AS PCB-159	38.527		1.0518	1.0517	-0.2	1.74E+07	1.26	1.16	107 %	50%	150%

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



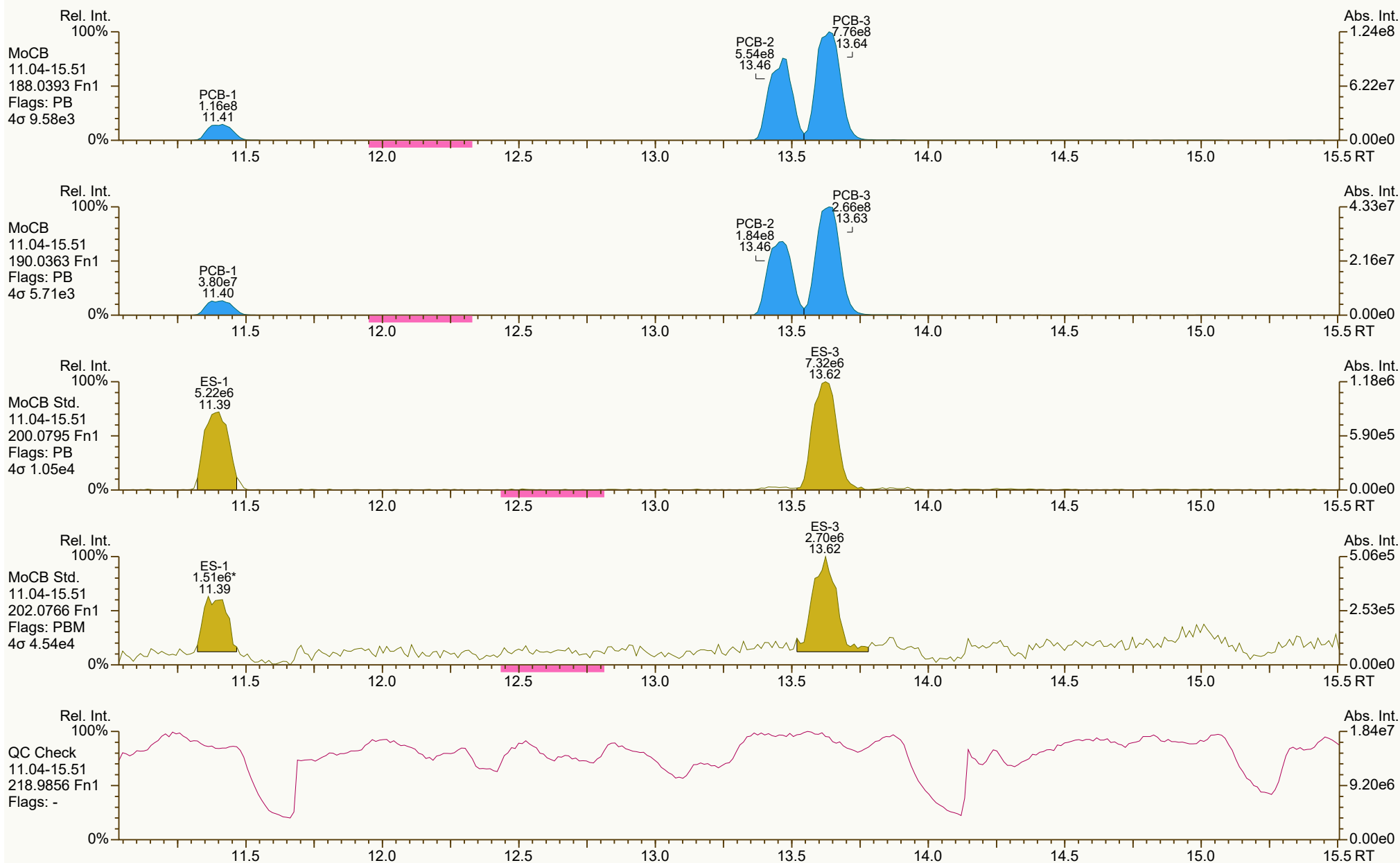
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 23-Oct-2024 11:16 Page 1 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

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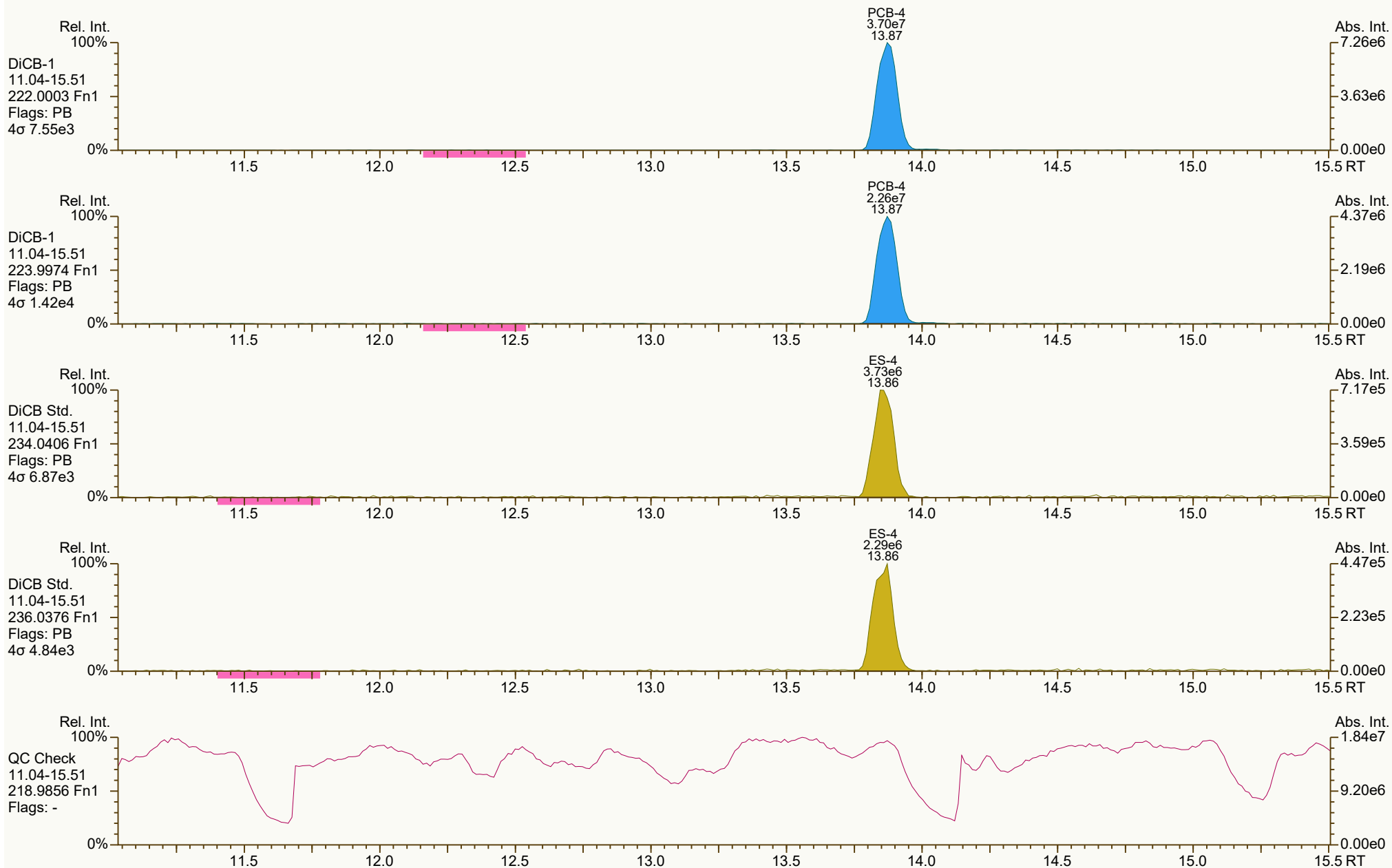
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 2 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



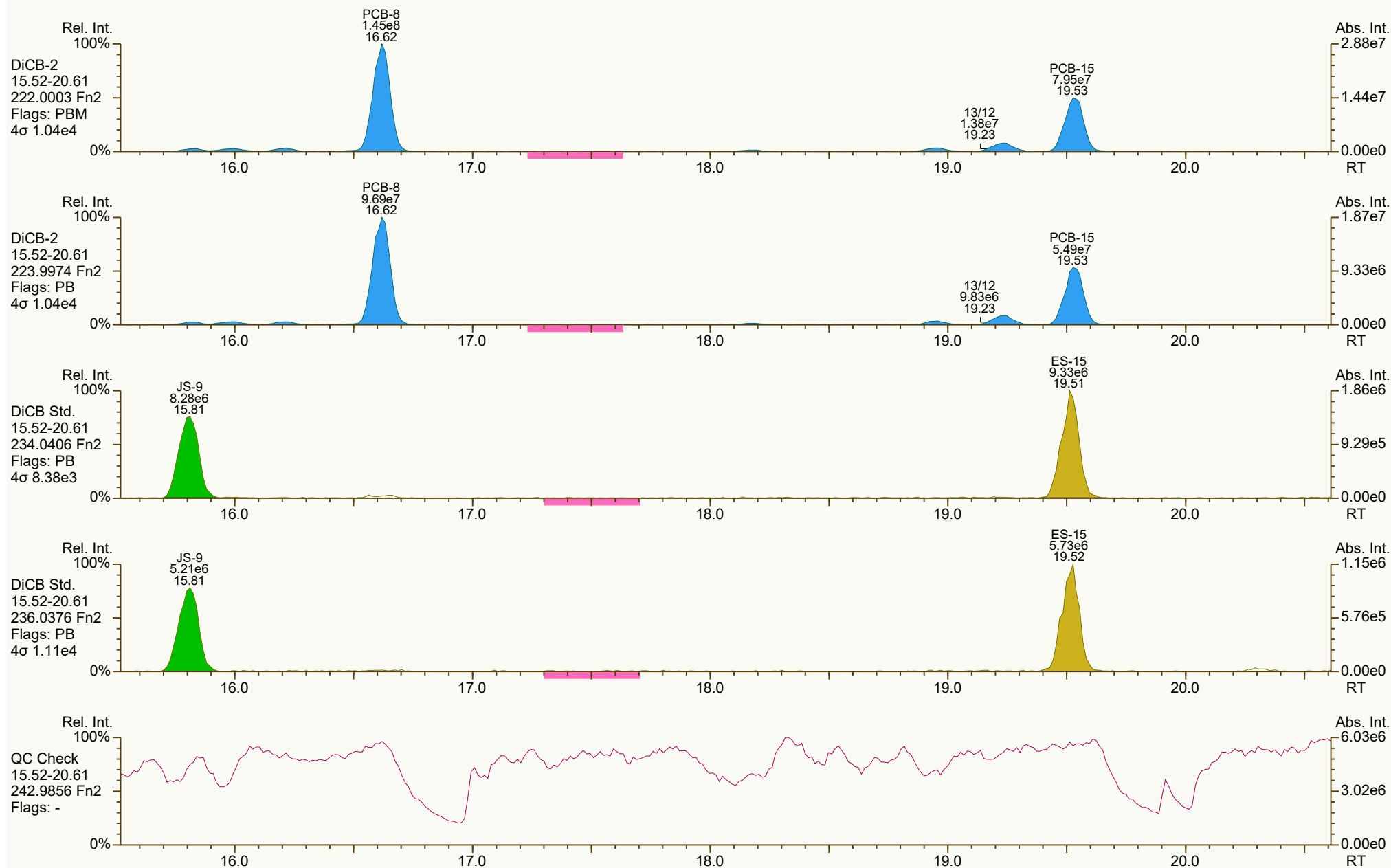
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5137, 3505 scc: 510-315

Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:49 (JLJ) Printed: 23-Oct-2024 11:16 Page 3 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



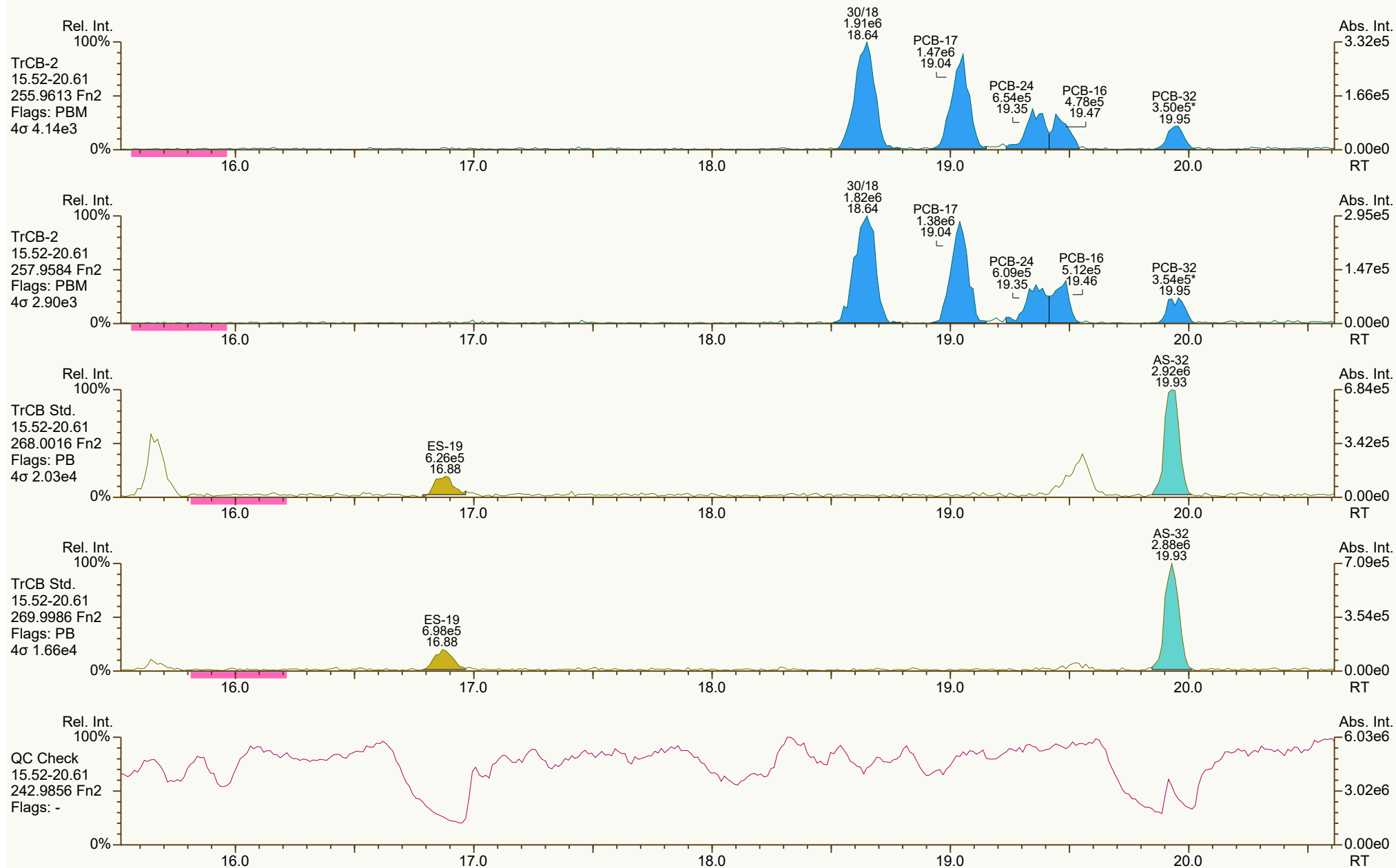
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2848, 6011 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 4 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



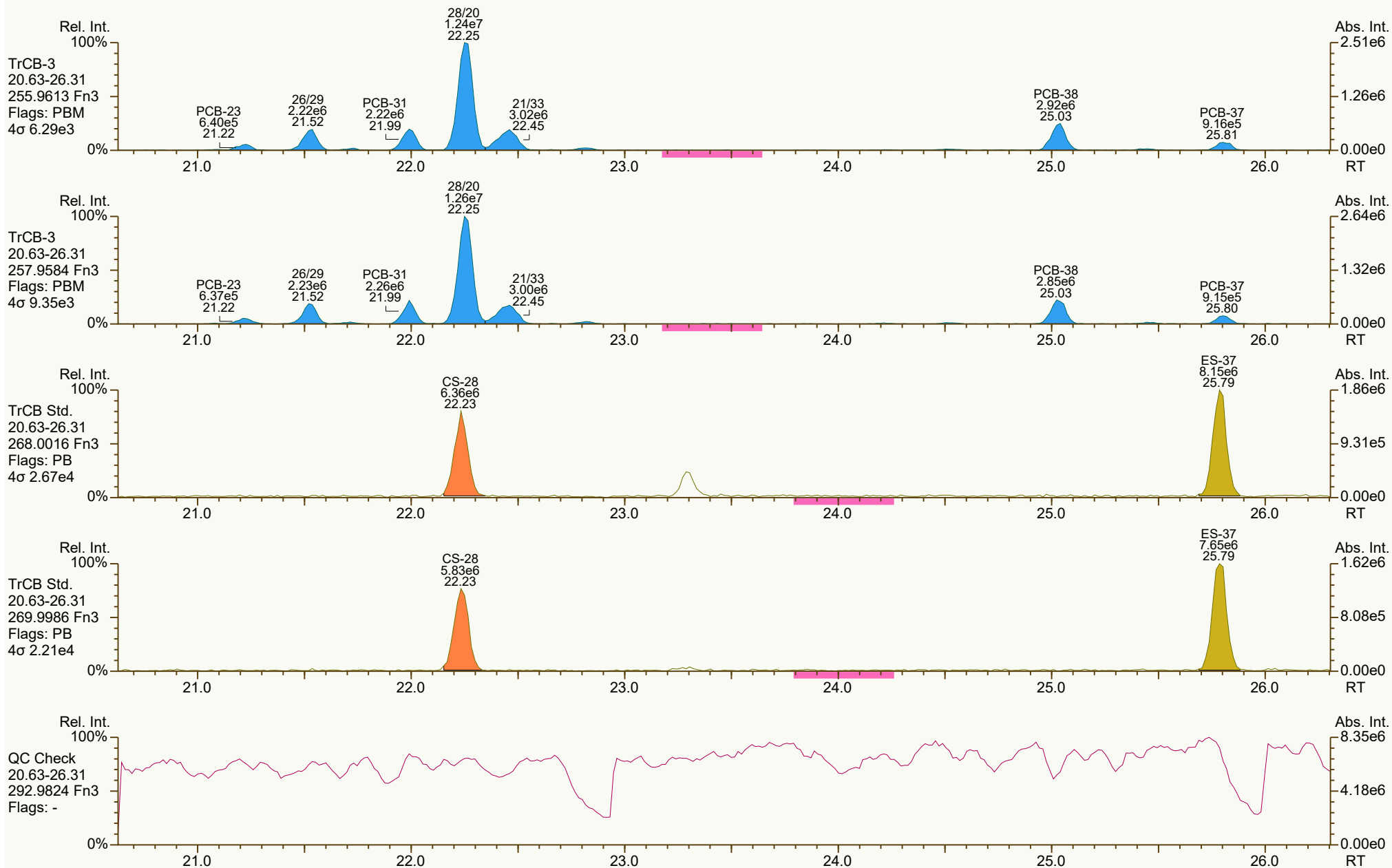
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6319, 2226 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 5 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8415, 4516 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 6 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



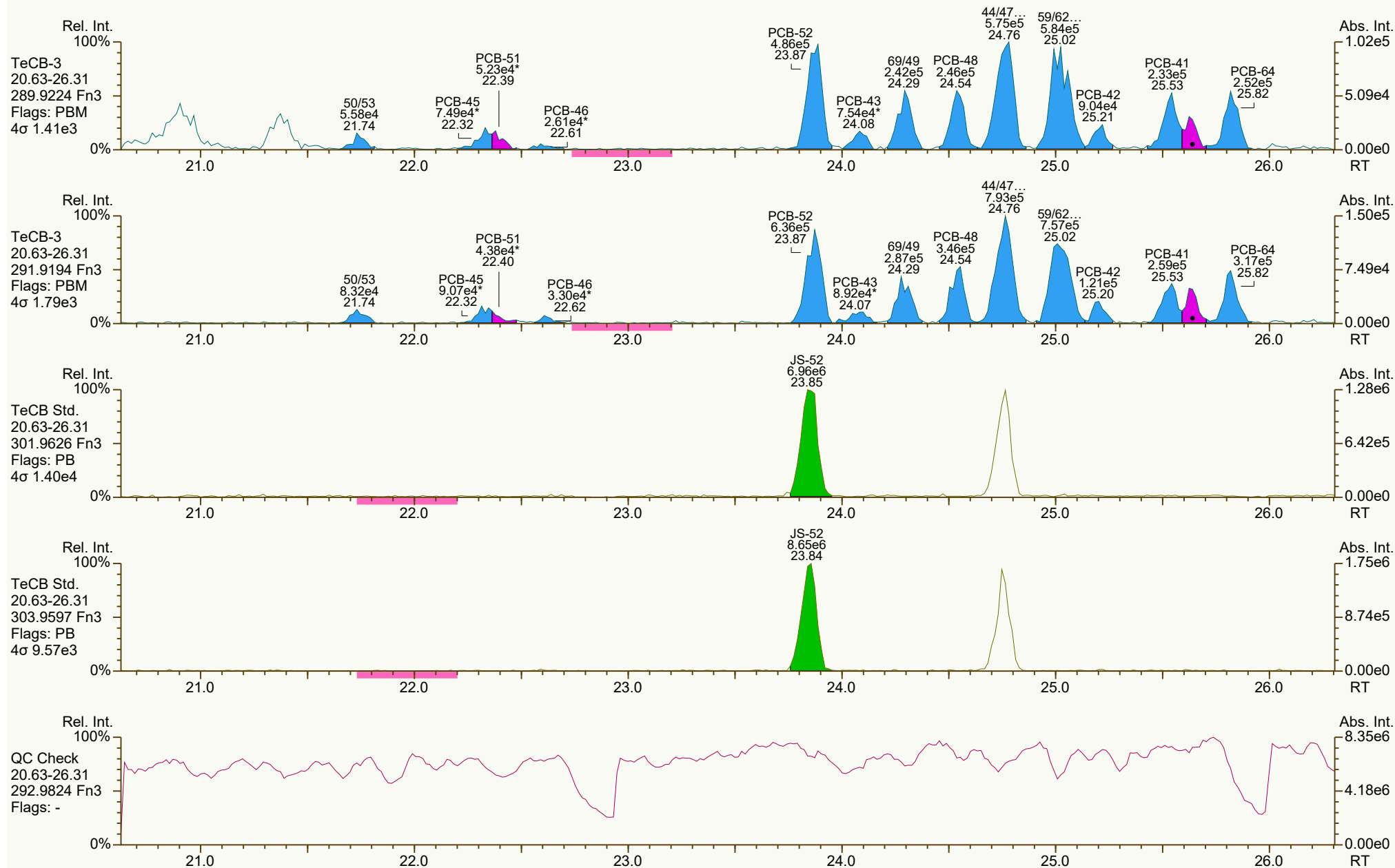
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Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:49 (JLJ) Printed: 23-Oct-2024 11:16 Page 7 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8249, 2961 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 8 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



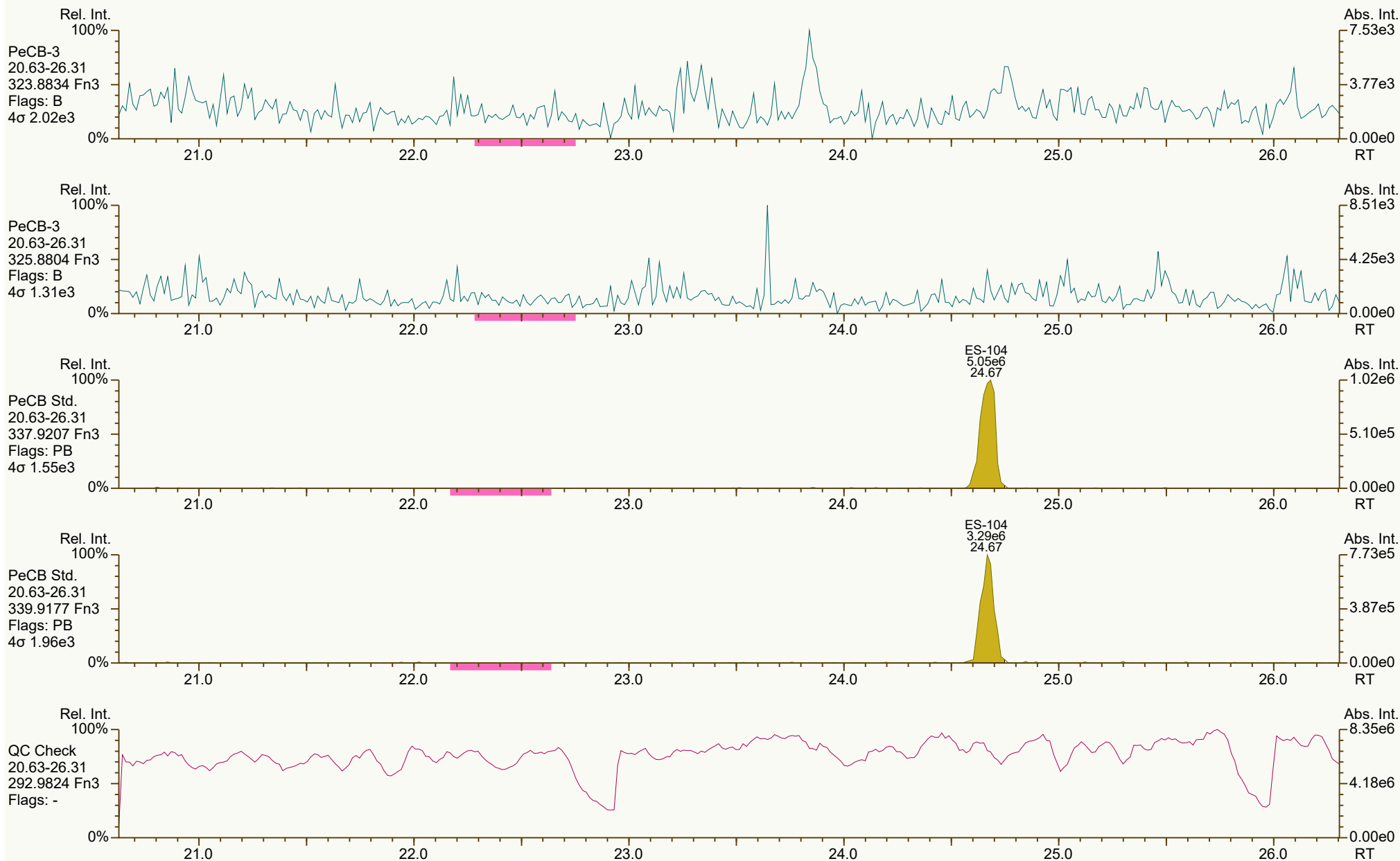
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 0465, 7788 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 9 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
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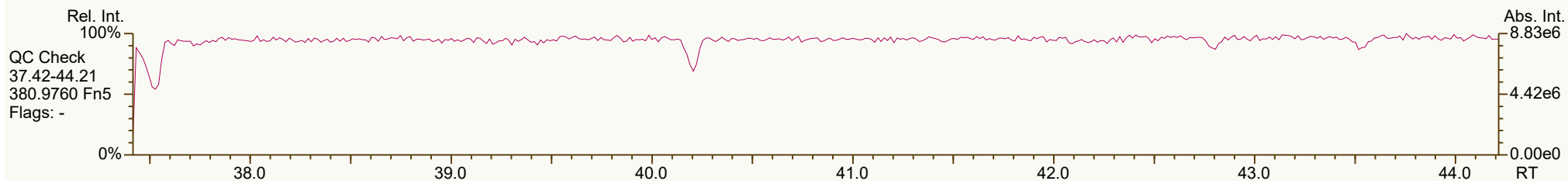
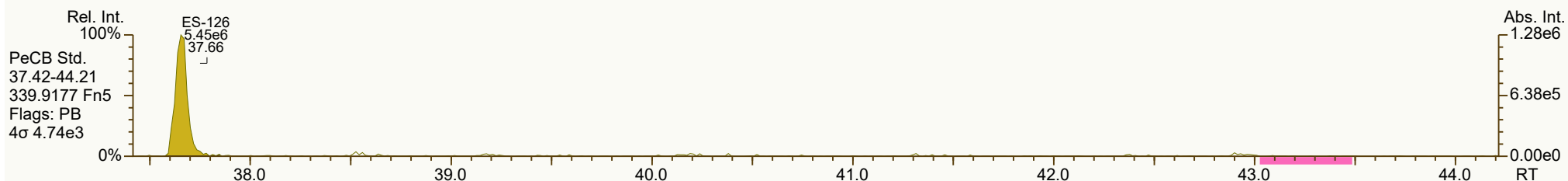
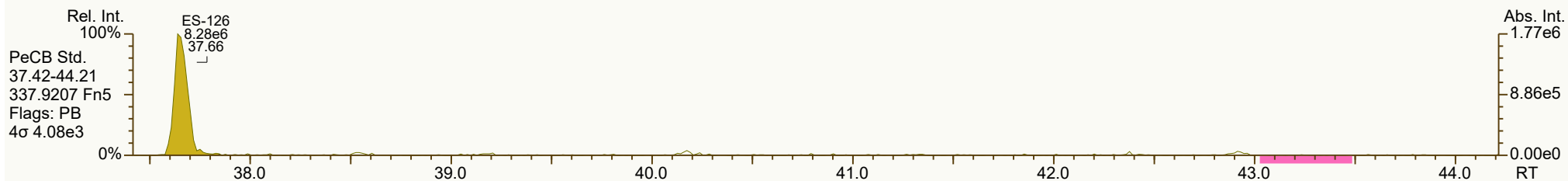
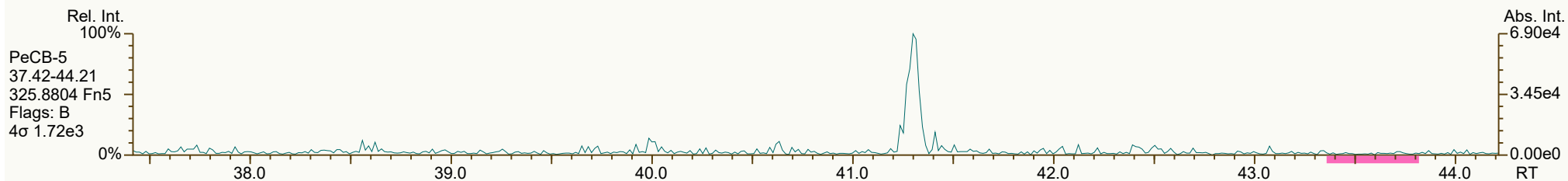
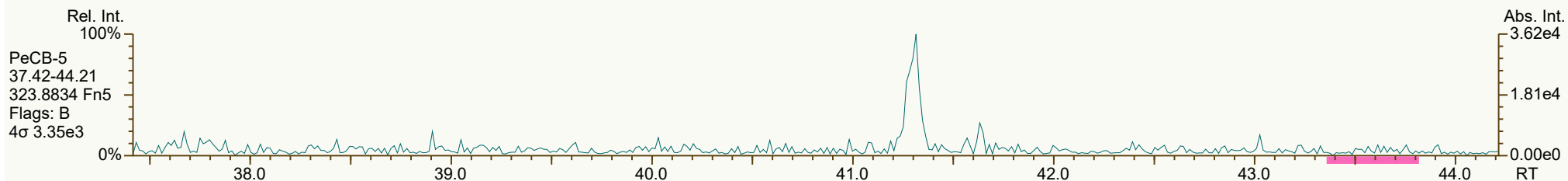
Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 10 of 21



SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7714, 5788 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 12 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1699, 2459 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:16 Page 13 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



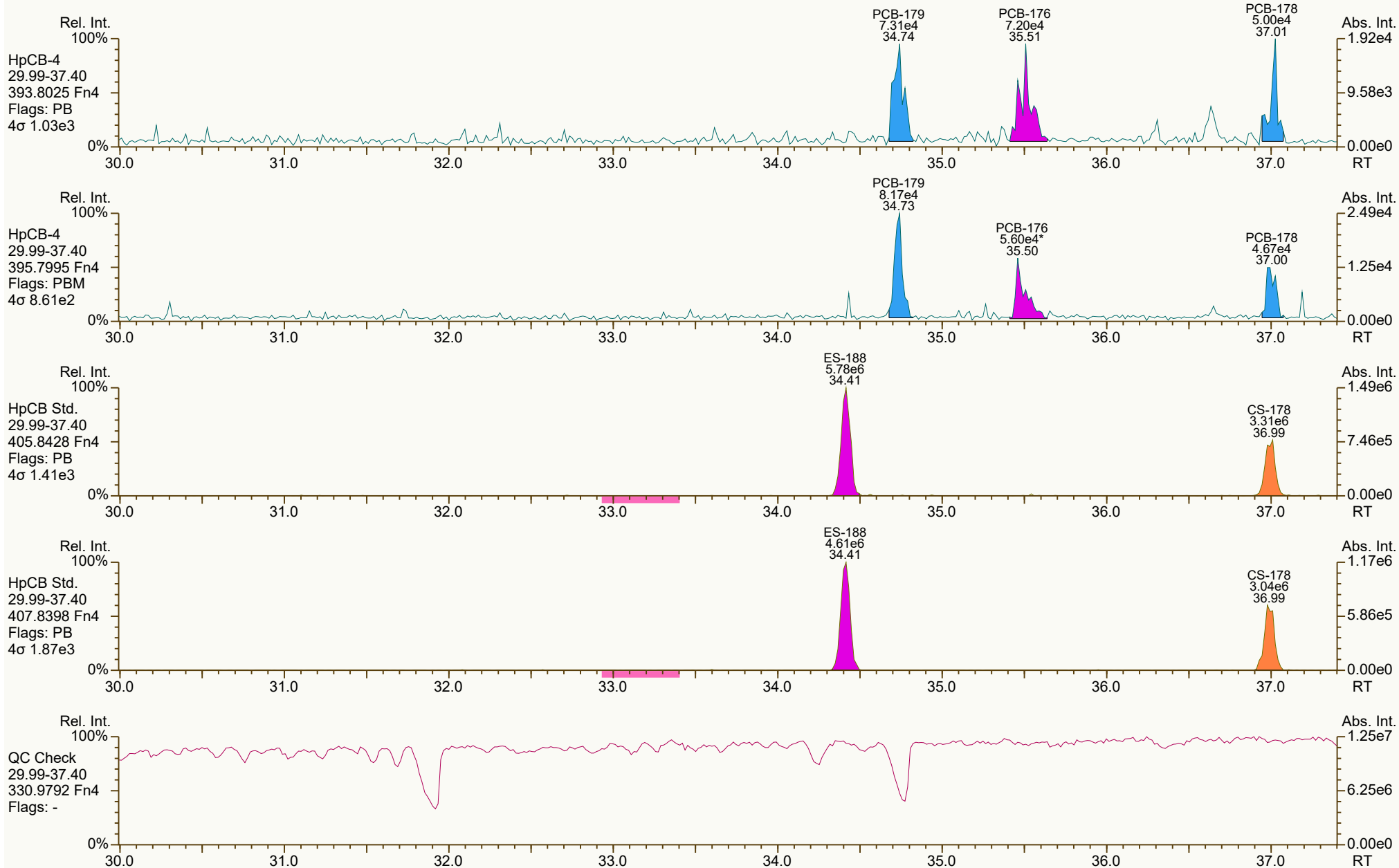
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:17 Page 14 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



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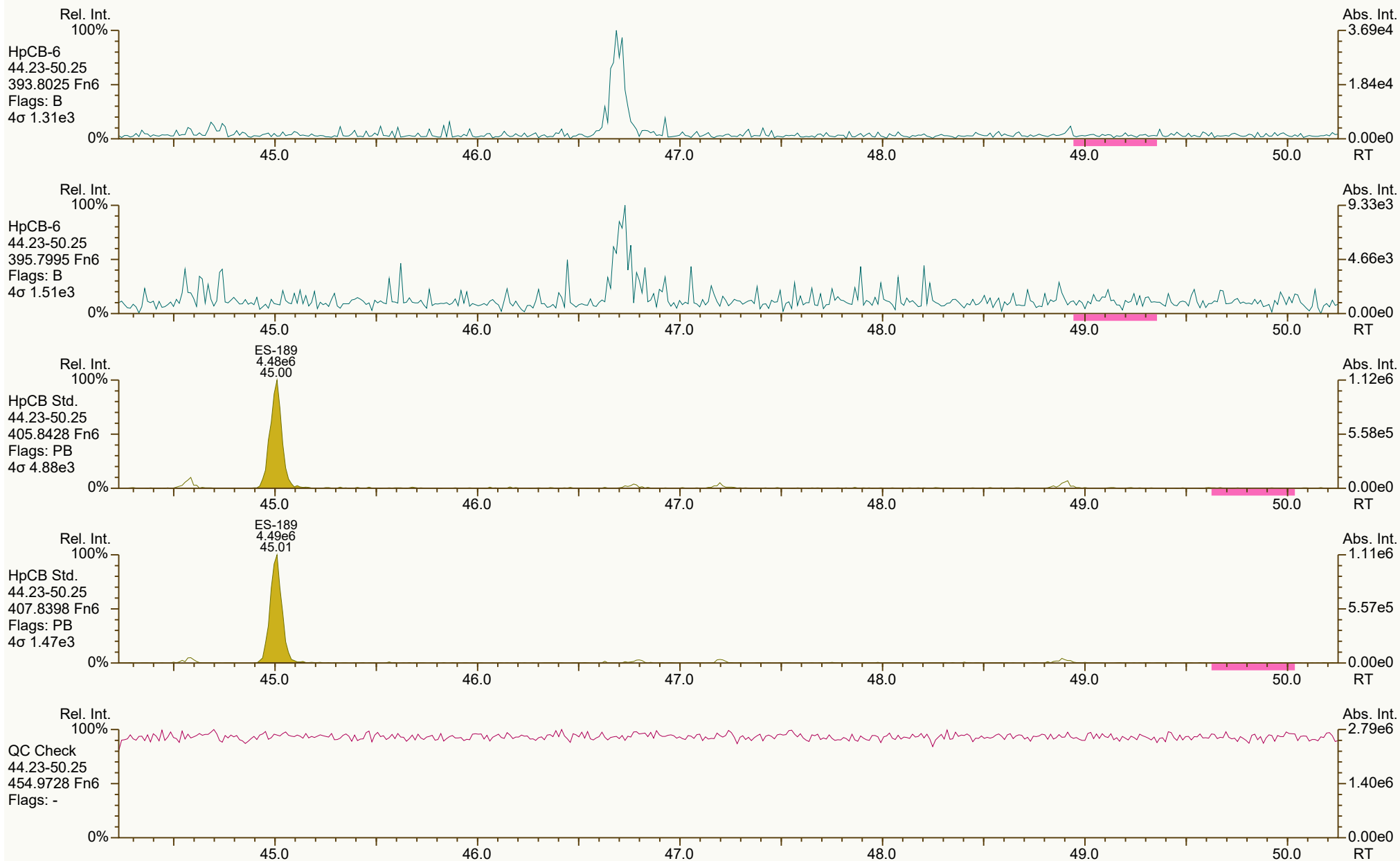
Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:17 Page 15 of 21



SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



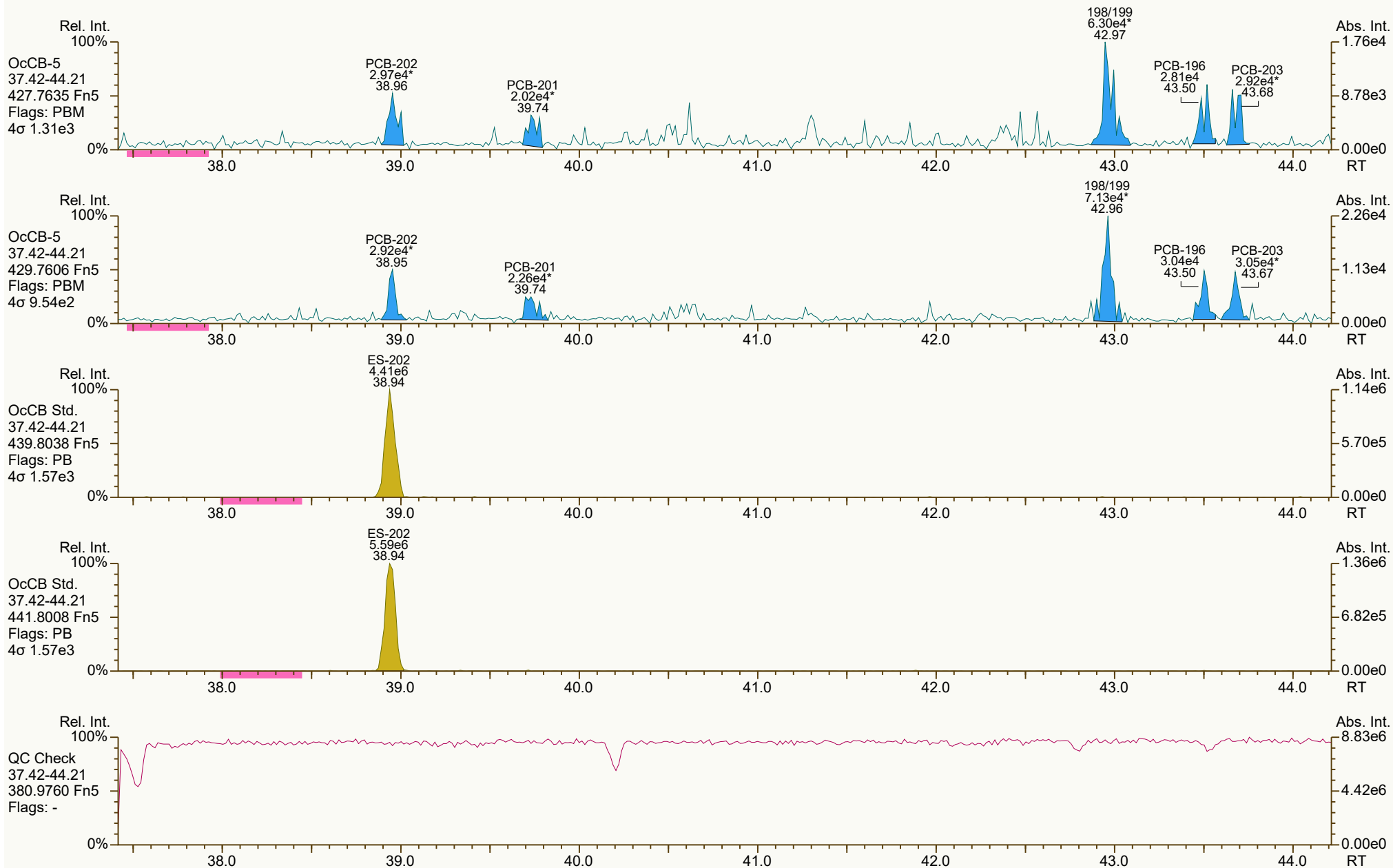
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:17 Page 17 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



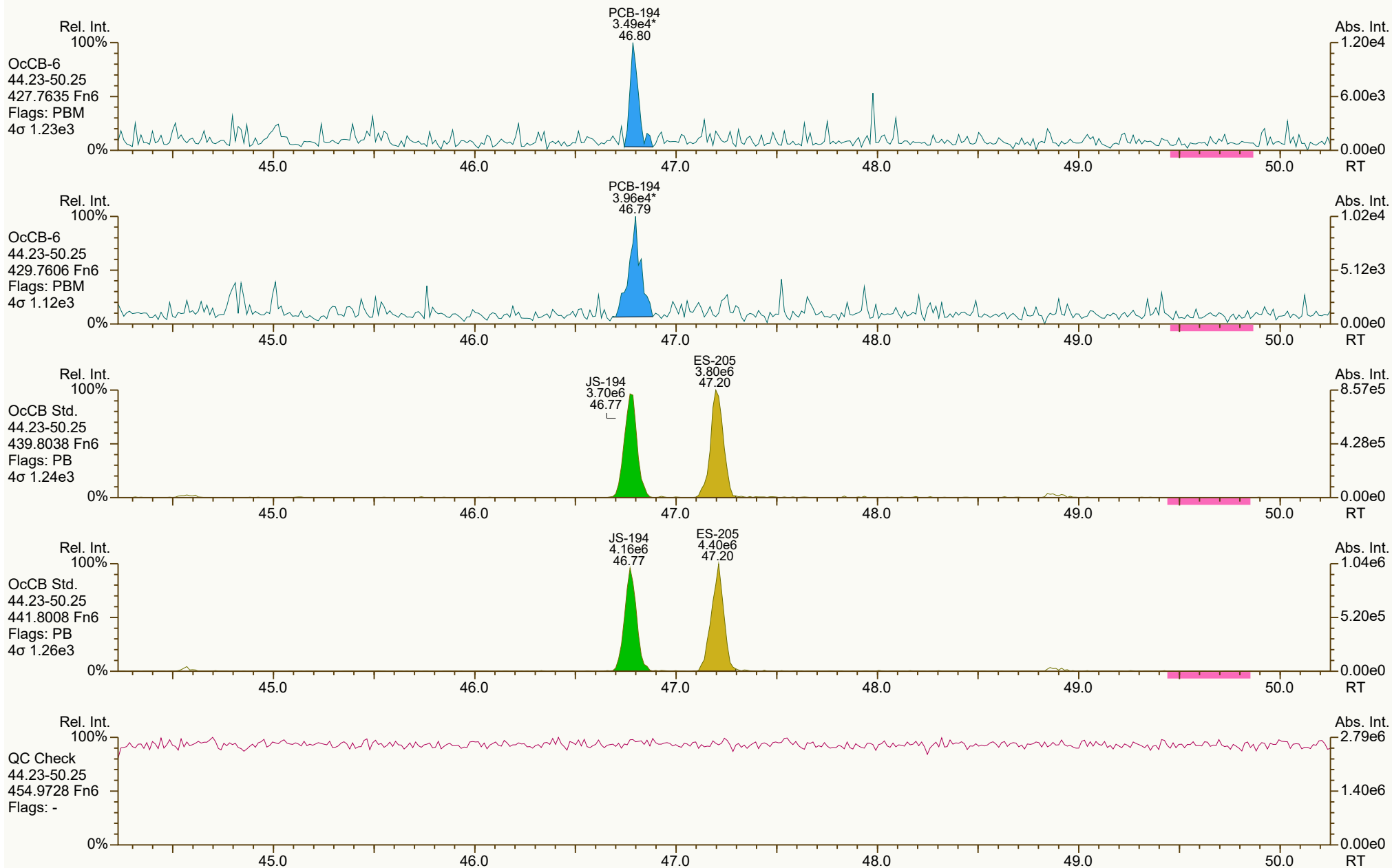
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8617, 7868 scc: 510-315

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 14:13 (JLJ) Printed: 23-Oct-2024 11:17 Page 18 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



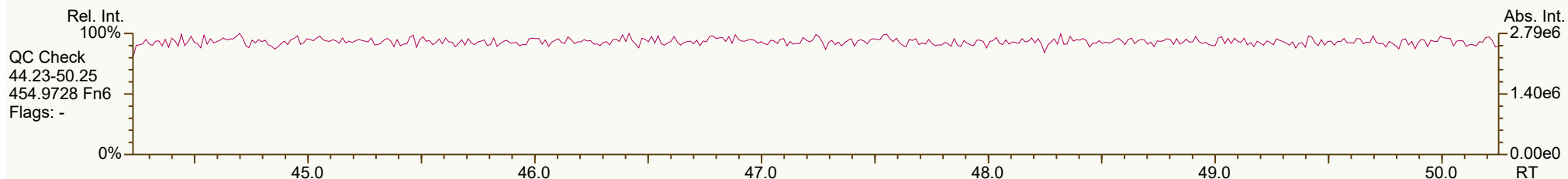
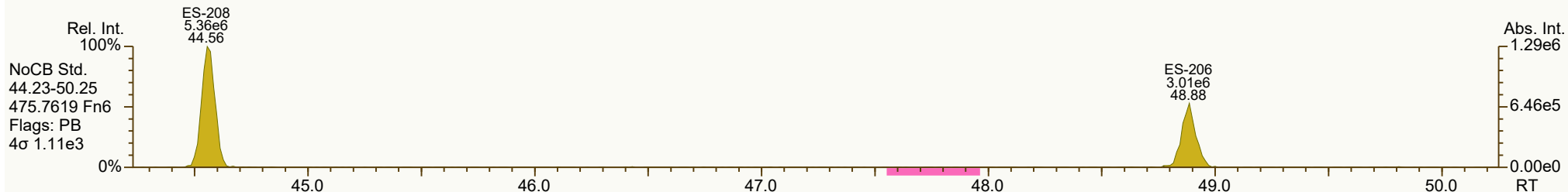
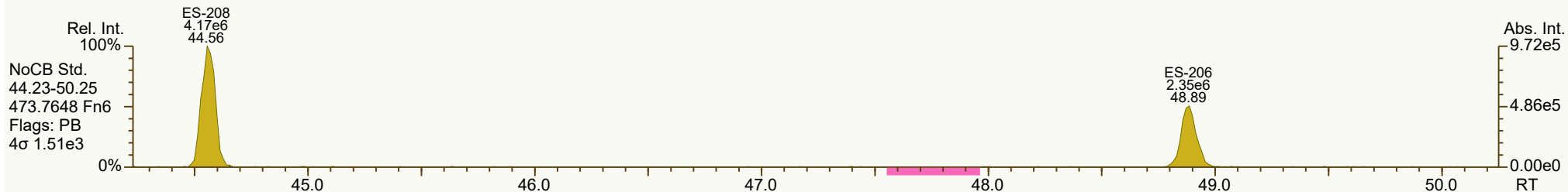
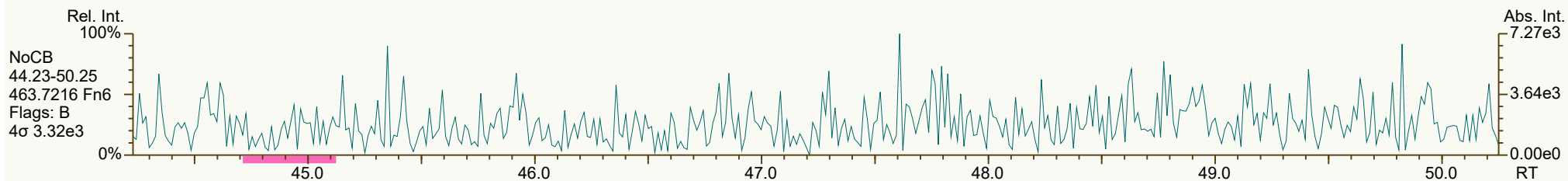
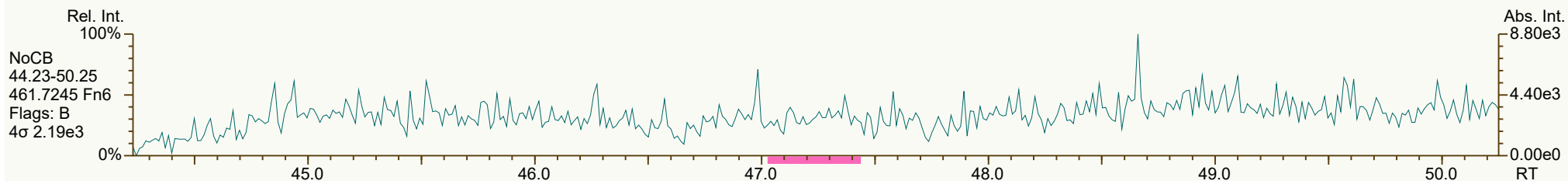
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2551, 1187 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:17 Page 19 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



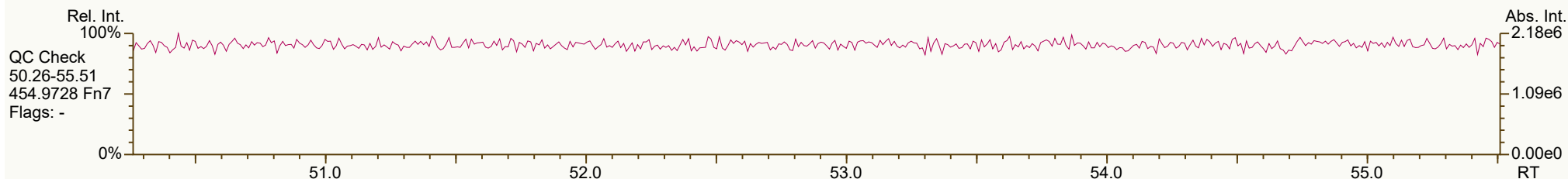
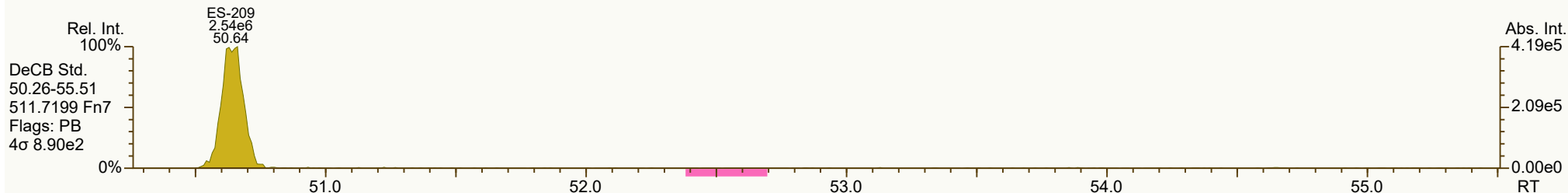
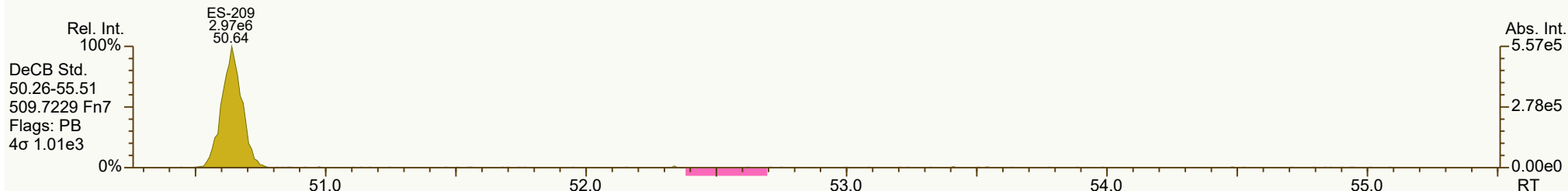
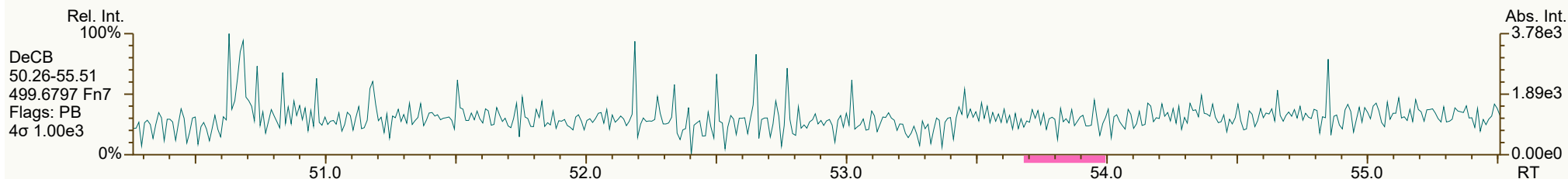
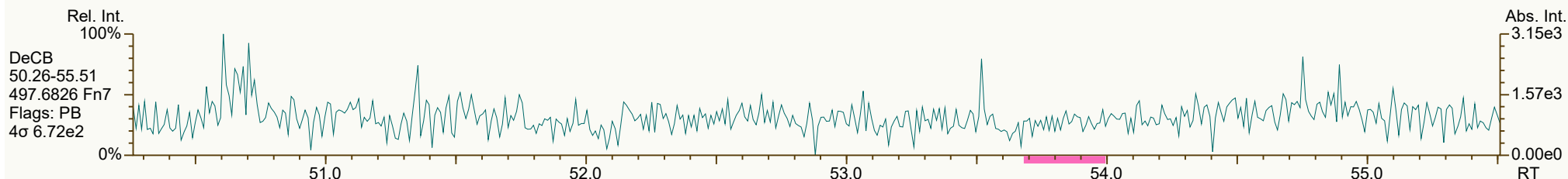
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 6498, 2980 scc: 510-315

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:14 Printed: 23-Oct-2024 11:17 Page 20 of 21

SGS ID: B9935_21527_PCB_006-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #6
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 16

Acq: 17-Oct-2024 06:32:42
User: JLJ Datafile: 241016B19



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_006-CU.utp_res, saved 21-Oct-2024 15:33 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2424, 8274 scc: 510-315

Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:49 (JLJ) Printed: 23-Oct-2024 11:17 Page 21 of 21

Lab ID: B9935_21527_PCB_007-CU

ACQ: 17-Oct-2024 07:31:24 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #7

UTP: 21-Oct-2024 15:33:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 019-765-RLG/C

Datafile: 241016B20

RPT: 23-Oct-2024 11:16 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	2.36E+05	0.74	0.95	47.1	9.46E+03	23
PCB-81 344'5-TeCB	31.66		1.0005	1.0009	+0.8	1.12E+05	0.75	0.94	23.7	9.46E+03	19.8
PCB-105 233'44'-PeCB	35.09	B EMPC	1.0006	1.0010	+0.8	1.28E+06	1.06	0.97	233	5.35E+03	9.82
PCB-114 2344'5-PeCB	34.51		1.0007	1.0006	-0.2	2.36E+05	0.58	0.96	43.9	5.35E+03	10.3
PCB-118 23'44'5-PeCB	34.07	B	1.0007	1.0007	0	2.66E+06	0.56	0.99	482	5.35E+03	9.88
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	5.35E+03	10.9
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	6.64E+03	19.1
PCB-156/157 ...-HxCB	40.18	B C	1.0005	1.0001	-1.0	3.46E+05	1.16	0.96	85.5	7.86E+03	28
PCB-167 23'44'55'-HxCB	39.21	EMPC	1.0005	1.0006	+0.2	1.31E+05	1.73	0.94	26.4	7.86E+03	16.2
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	7.86E+03	19.8
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	3.55E+03	11.8
PCB-209 DeCB	ND		1.0005					0.95	ND	2.11E+03	17.6
ES PCB-1	11.40		0.7219	0.7205	-1.0	7.80E+06	2.90	1.19	42.9 %	5%	145%
ES PCB-3	13.64		0.8628	0.8617	-0.9	1.06E+07	2.85	1.13	61.7 %	5%	145%
ES PCB-4	13.88		0.8777	0.8768	-0.7	6.54E+06	1.53	0.72	59.2 %	5%	145%
ES PCB-15	19.54		1.2345	1.2346	+0.1	1.66E+07	1.63	1.07	102 %	5%	145%
ES PCB-19	16.90		1.0688	1.0676	-1.2	1.82E+06	0.93	0.65	18.4 %	5%	145%
ES PCB-37	25.82		1.0824	1.0813	-1.7	1.72E+07	1.07	1.40	64.7 %	5%	145%
ES PCB-54	19.79		0.8288	0.8286	-0.2	3.03E+06	0.70	1.23	13 %	5%	145%
ES PCB-77	32.11		1.3483	1.3450	-6.4	2.11E+07	0.79	1.28	86.9 %	10%	145%
ES PCB-81	31.63		1.3278	1.3246	-6.1	2.00E+07	0.82	1.33	79.3 %	10%	145%
ES PCB-104	24.69		0.8278	0.8288	+1.5	1.04E+07	1.71	1.32	37.8 %	10%	145%
ES PCB-105	35.05		1.1779	1.1764	-3.2	2.26E+07	1.66	1.26	85.9 %	10%	145%
ES PCB-114	34.49		1.1590	1.1577	-2.7	2.23E+07	1.46	1.34	79.2 %	10%	145%
ES PCB-118	34.04		1.1434	1.1426	-1.6	2.24E+07	1.64	1.31	81.4 %	10%	145%
ES PCB-123	33.76		1.1339	1.1330	-1.8	2.25E+07	1.59	1.27	84.7 %	10%	145%
ES PCB-126	37.67		1.2663	1.2645	-4.1	1.64E+07	1.52	1.19	66 %	10%	145%
ES PCB-153	35.58		0.9706	0.9708	+0.4	1.75E+07	1.40	1.11	98.7 %	10%	145%
ES PCB-155	29.58		0.8059	0.8070	+2.0	1.91E+07	1.32	1.45	82.8 %	10%	145%
ES PCB-156/157	40.17	C	1.0967	1.0960	-1.7	3.37E+07	1.28	1.24	85.5 %	10%	145%
ES PCB-167	39.18		1.0695	1.0690	-1.2	2.13E+07	1.38	1.29	104 %	10%	145%
ES PCB-169	42.92		1.1714	1.1710	-1.0	1.67E+07	1.28	1.18	89.1 %	10%	145%
ES PCB-170	42.38		0.9058	0.9061	+0.8	1.31E+07	1.00	1.06	113 %	10%	145%
ES PCB-180	41.30		0.8827	0.8830	+0.7	1.57E+07	1.07	1.25	115 %	10%	145%
ES PCB-188	34.43		0.9393	0.9394	+0.2	1.37E+07	1.19	1.36	63.2 %	10%	145%
ES PCB-189	45.01		0.9619	0.9622	+0.8	1.34E+07	1.02	1.37	90.1 %	10%	145%
ES PCB-202	38.95		1.0635	1.0627	-1.9	1.42E+07	0.84	1.19	74.9 %	10%	145%
ES PCB-205	47.21		1.0093	1.0092	-0.3	1.17E+07	0.92	1.23	87 %	10%	145%
ES PCB-206	48.88		1.0458	1.0451	-2.1	7.84E+06	0.77	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	44.56		0.9528	0.9526	-0.5	1.35E+07	0.80	1.26	99.1 %	10%	145%
ES PCB-209	50.64		1.0840	1.0826	-4.3	7.46E+06	1.15	0.98	69.7 %	10%	145%
SS PCB-28	22.27		0.9324	0.9325	+0.1	1.58E+07	1.03	1.04	88.9 %	5%	145%
SS PCB-111	32.08		1.0771	1.0767	-0.8	2.20E+07	1.49	0.98	99.2 %	10%	145%
SS PCB-178	37.01		1.0099	1.0097	-0.4	9.57E+06	1.10	0.71	98.7 %	10%	145%
CS PCB-28	22.27		0.9324	0.9325	+0.1	1.58E+07	1.03	1.44	57.8 %	5%	145%
CS PCB-111	32.08		1.0771	1.0767	-0.8	2.20E+07	1.49	1.24	84.4 %	10%	145%
CS PCB-178	37.01		1.0099	1.0097	-0.4	9.57E+06	1.10	0.96	62.5 %	10%	145%
JS PCB-9	15.83					1.53E+07	1.66				
JS PCB-52	23.88					1.90E+07	0.83				
JS PCB-101	29.79					2.10E+07	1.59				
JS PCB-138	36.65					1.59E+07	1.48				
JS PCB-194	46.78					1.09E+07	0.97				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CB	705,000	705,000	125		
						Di-CB	157,000	157,000	106		
						Tri-CB	27,600	28,600	136		
						Tetra-CB	3,320	3,610	25.2		
						Penta-CB	3,280	3,730	12.5		
						Hexa-CB	4,370	4,540	18.3		
						Hepta-CB	1,800	2,000	13.5		
						Octa-CB	304	410	9.6		
						Nona-CB	0	0	29.1		

Lab ID: B9935_21527_PCB_007-CU

ACQ: 17-Oct-2024 07:31:24 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #7

UTP: 21-Oct-2024 15:33:13 JLJ

J-level: 20 pg Split: 2

Checkcode: 019-765-RLG/C

Datafile: 241016B20

RPT: 23-Oct-2024 11:16 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	11.42		1.0012	1.0011	-0.1	1.40E+08	2.92	1.01	71,100	1.48E+04	148
PCB-2 3-MoCB	13.48	E	0.9879	0.9881	+0.2	6.55E+08	2.96	0.87	282,000	1.48E+04	119
PCB-3 4-MoCB	13.65	E	1.0010	1.0010	0	9.51E+08	2.99	1.01	352,000	1.48E+04	102
PCB-4 22'-DiCB	13.89		1.0012	1.0010	-0.2	5.69E+07	1.61	0.98	35,300	1.63E+04	147
PCB-10 26-DiCB	14.06		1.0136	1.0134	-0.2	3.73E+05	1.47	1.62	141	1.63E+04	89.5
PCB-9 25-DiCB	15.84		1.0010	1.0009	-0.1	6.09E+06	1.46	0.78	1,880	1.64E+04	79.5
PCB-7 24-DiCB	16.00		1.0112	1.0110	-0.2	8.70E+06	1.50	0.72	2,910	1.64E+04	86.1
PCB-6 23'-DiCB	16.23		1.0259	1.0255	-0.4	8.02E+06	1.53	0.84	2,300	1.64E+04	73.8
PCB-5 23-DiCB	16.50		1.0445	1.0421	-2.4	1.03E+06	1.47	0.68	361	1.64E+04	90.6
PCB-8 24'-DiCB	16.64		1.0520	1.0512	-0.8	2.46E+08	1.44	0.89	66,800	1.64E+04	69.8
PCB-14 35-DiCB	18.20		0.9307	0.9314	+0.8	3.56E+06	1.59	0.72	1,190	1.64E+04	86.2
PCB-11 33'-DiCB	18.98	B	0.9711	0.9712	+0.1	1.07E+07	1.39	0.78	3,280	1.64E+04	79
PCB-13/12 34'/34-DiCB	19.26	C	0.9858	0.9855	-0.3	2.49E+07	1.48	0.71	8,400	1.64E+04	86.8
PCB-15 44'-DiCB	19.56		1.0007	1.0009	+0.2	1.38E+08	1.50	0.97	34,400	1.64E+04	64.1
PCB-19 22'6-TrCB	ND		1.0011					1.03	ND	7.34E+03	235
PCB-30/18 246/22'5-TrCB	18.67	C	1.1030	1.1047	+1.9	4.05E+06	1.04	1.62	5,470	7.34E+03	150
PCB-17 22'4-TrCB	19.07		1.1270	1.1283	+1.5	3.14E+06	1.11	1.11	6,230	7.34E+03	219
PCB-27 23'6-TrCB	19.27	EMPC	1.1387	1.1404	+2.0	1.49E+05	1.37	1.52	214	7.34E+03	160
PCB-24 236-TrCB	19.39		1.1462	1.1476	+1.6	1.22E+06	1.13	1.55	1,720	7.34E+03	156
PCB-16 22'3-TrCB	19.50		1.1524	1.1540	+1.9	8.98E+05	0.97	1.16	1,700	7.34E+03	210
PCB-32 24'6-TrCB	19.98	EMPC	1.1803	1.1822	+2.3	6.22E+05	1.23	1.73	790	7.34E+03	141
PCB-34 23'5'-TrCB	ND		0.8163					0.91	ND	1.36E+04	41
PCB-23 235-TrCB	21.25		0.8218	0.8231	+1.7	1.27E+06	0.95	0.98	300	1.36E+04	38
PCB-26/29 23'5/245-TrCB	21.56	C	0.8330	0.8350	+2.6	4.75E+06	1.00	0.96	1,150	1.36E+04	38.8
PCB-25 23'4-TrCB	21.73		0.8409	0.8418	+1.2	3.82E+05	0.92	1.18	75.3	1.36E+04	31.6
PCB-31 24'5-TrCB	22.02		0.8517	0.8530	+1.7	5.02E+06	0.95	1.15	1,020	1.36E+04	32.5
PCB-28/20 244'/233'-TrCB	22.29	C	0.8626	0.8632	+0.8	2.71E+07	0.98	1.04	6,070	1.36E+04	35.8
PCB-21/33 234/23'4'-TrCB	22.48	C	0.8696	0.8707	+1.5	6.30E+06	1.01	1.03	1,420	1.36E+04	36.2
PCB-22 234'-TrCB	22.85	B	0.8845	0.8850	+0.7	7.66E+05	1.08	1.11	160	1.36E+04	33.6
PCB-36 33'5-TrCB	24.25		0.9378	0.9393	+2.2	1.53E+05	1.10	1.11	32	1.36E+04	33.5
PCB-39 34'5-TrCB	24.55		0.9504	0.9510	+0.9	2.91E+05	1.01	1.00	68.1	1.36E+04	37.5
PCB-38 345-TrCB	25.06		0.9706	0.9707	+0.2	6.52E+06	1.01	1.02	1,490	1.36E+04	36.7
PCB-35 33'4-TrCB	25.48		0.9865	0.9869	+0.6	5.15E+05	1.03	0.97	124	1.36E+04	38.6
PCB-37 344'-TrCB	25.83		1.0007	1.0006	-0.2	2.40E+06	0.94	1.03	541	1.36E+04	36.1
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	3.02E+03	61.7
PCB-50/53 22'46/22'56'-TeCB	21.77	C	0.9120	0.9118	-0.3	1.87E+05	0.82	0.91	40.9	5.10E+03	11
PCB-45 22'36'-TeCB	22.36	B	0.9369	0.9366	-0.4	2.10E+05	0.77	0.63	66.5	5.10E+03	15.9
PCB-51 22'46'-TeCB	22.44	J B EMPC	0.9395	0.9399	+0.5	9.43E+04	0.91	1.06	17.9	5.10E+03	9.55
PCB-46 22'36'-TeCB	22.65	J	0.9488	0.9485	-0.4	6.74E+04	0.73	0.73	18.5	5.10E+03	13.8
PCB-52 22'55'-TeCB	23.90	B	1.0010	1.0010	0	1.95E+06	0.75	0.97	400	5.10E+03	10.4
PCB-73 23'5'6'-TeCB	ND		1.0061					1.21	ND	5.10E+03	8.35

Lab ID: B9935_21527_PCB_007-CU

ACQ: 17-Oct-2024 07:31:24 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

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J-level: 20 pg Split: 2

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RPT: 23-Oct-2024 11:16 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	24.11		1.0100	1.0096	-0.6	1.60E+05	0.68	0.91	35.2	5.10E+03	11.1
PCB-69/49 23'46/22'45'-TeCB	24.33	B C	1.0181	1.0189	+1.2	7.48E+05	0.80	1.03	145	5.10E+03	9.79
PCB-48 22'45'-TeCB	24.57		1.0299	1.0292	-1.0	7.18E+05	0.79	0.86	167	5.10E+03	11.7
PCB-44/47/65 ...-TeCB	24.79	B C	1.0391	1.0382	-1.3	2.14E+06	0.74	0.99	433	5.10E+03	10.2
PCB-59/62/75 ...-TeCB	25.05	C	1.0505	1.0492	-2.0	1.54E+06	0.79	1.12	276	5.10E+03	9.02
PCB-42 22'34'-TeCB	25.23	EMPC	1.0580	1.0568	-1.8	2.61E+05	0.66	0.79	66.2	5.10E+03	12.7
PCB-41 22'34'-TeCB	25.57		1.0720	1.0709	-1.7	6.04E+05	0.87	0.65	185	5.10E+03	15.4
PCB-71/40 23'4'6/22'33'-TeCB	25.67	B C	1.0761	1.0749	-1.8	4.85E+05	0.77	0.96	101	5.10E+03	10.5
PCB-64 234'6'-TeCB	25.85	B	1.0844	1.0826	-2.8	7.67E+05	0.84	1.15	133	5.10E+03	8.76
PCB-72 23'55'-TeCB	ND		0.8391					0.91	ND	9.46E+03	20.5
PCB-68 23'45'-TeCB	ND		0.8471					0.88	ND	9.46E+03	21.3
PCB-57 233'5'-TeCB	ND		0.8589					0.93	ND	9.46E+03	20.1
PCB-58 233'5'-TeCB	ND		0.8655					1.04	ND	9.46E+03	17.9
PCB-67 23'45'-TeCB	ND		0.8702					1.08	ND	9.46E+03	17.3
PCB-63 234'5'-TeCB	27.78		0.8775	0.8783	+1.3	3.19E+05	0.74	0.85	75.1	9.46E+03	22
PCB-61/70/74/76 ...-TeCB	28.08	C	0.8867	0.8879	+2.0	4.25E+06	0.76	0.97	877	9.46E+03	19.3
PCB-66 23'44'-TeCB	28.35	B	0.8958	0.8963	+0.9	1.18E+06	0.74	0.98	241	9.46E+03	19
PCB-55 233'4'-TeCB	ND		0.9006					1.01	ND	9.46E+03	18.6
PCB-56 233'4'-TeCB	28.93		0.9145	0.9148	+0.5	2.80E+05	0.81	0.96	58.5	9.46E+03	19.5
PCB-60 2344'-TeCB	29.13	EMPC	0.9206	0.9210	+0.7	8.14E+05	0.66	0.83	197	9.46E+03	22.7
PCB-80 33'55'-TeCB	ND		0.9306					0.95	ND	9.46E+03	19.6
PCB-79 33'45'-TeCB	ND		0.9730					1.03	ND	9.46E+03	18.2
PCB-78 33'45'-TeCB	ND		0.9884					0.85	ND	9.46E+03	21.9
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	3.47E+03	14.9
PCB-96 22'366'-PeCB	ND		1.0146					1.11	ND	3.47E+03	13.4
PCB-103 22'45'6'-PeCB	ND		0.8960					0.84	ND	5.35E+03	12.4
PCB-94 22'356'-PeCB	ND		0.9027					0.71	ND	5.35E+03	14.7
PCB-95 22'35'6'-PeCB	27.31	B	0.9159	0.9165	+1.0	2.27E+06	0.63	0.80	505	5.35E+03	13.1
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.79	ND	5.35E+03	13.2
PCB-102 22'456'-PeCB	ND		0.9261					0.92	ND	5.35E+03	11.4
PCB-98 22'34'6'-PeCB	ND		0.9284					0.92	ND	5.35E+03	11.4
PCB-88 22'346'-PeCB	ND		0.9386					0.76	ND	5.35E+03	13.7
PCB-91 22'34'6'-PeCB	28.05		0.9411	0.9413	+0.3	2.52E+05	0.70	0.80	56.2	5.35E+03	13.1
PCB-84 22'33'6'-PeCB	28.25	B	0.9479	0.9481	+0.3	4.86E+05	0.68	0.67	128	5.35E+03	15.5
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	5.35E+03	13
PCB-121 23'45'6'-PeCB	ND		0.9725					1.20	ND	5.35E+03	8.68
PCB-92 22'355'-PeCB	29.32	B EMPC	0.9838	0.9840	+0.4	4.76E+05	0.76	0.76	112	5.35E+03	13.8
PCB-113/90/101 ...-PeCB	29.82	B C	1.0000	1.0007	+1.3	3.62E+06	0.62	0.88	727	5.35E+03	11.8
PCB-83 22'33'5'-PeCB	ND		1.0148					0.63	ND	5.35E+03	16.6
PCB-99 22'44'5'-PeCB	30.30		1.0176	1.0170	-1.1	1.47E+06	0.55	1.01	257	5.35E+03	10.3
PCB-112 233'56'-PeCB	ND		1.0213					1.30	ND	5.35E+03	8.02

Lab ID: B9935_21527_PCB_007-CU

ACQ: 17-Oct-2024 07:31:24 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

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UTP: 21-Oct-2024 15:33:13 JLJ

J-level: 20 pg Split: 2

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RPT: 23-Oct-2024 11:16 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	1.0337	+1.3	2.02E+06	0.58	0.95	378	5.35E+03	11
PCB-117 234'56-PeCB	31.30		1.0509	1.0506	-0.6	1.36E+05	0.64	1.01	23.8	5.35E+03	10.3
PCB-116/85 23456/22'344'-PeCB	31.38	B EMPC C	1.0538	1.0533	-0.9	4.22E+05	0.74	0.87	86.4	5.35E+03	12.1
PCB-110 233'4'6-PeCB	31.51	B	1.0582	1.0577	-0.9	3.37E+06	0.60	1.05	572	5.35E+03	9.99
PCB-115 2344'6-PeCB	31.61	J	1.0605	1.0610	+0.9	1.18E+05	0.64	1.30	16	5.35E+03	8.02
PCB-82 22'33'4-PeCB	31.80		1.0679	1.0674	-1.0	2.36E+05	0.54	0.76	55.2	5.35E+03	13.8
PCB-111 233'55'-PeCB	ND		1.0779					1.03	ND	5.35E+03	10.1
PCB-120 23'455'-PeCB	ND		1.0913					1.23	ND	5.35E+03	8.47
PCB-108/124 ...-PeCB	33.46	J EMPC C	0.9915	0.9912	-0.6	1.09E+05	0.44	0.98	19.9	5.35E+03	10.7
PCB-107 233'4'5-PeCB	33.68		0.9976	0.9977	+0.2	2.20E+05	0.65	1.10	35.6	5.35E+03	9.54
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	5.35E+03	9.91
PCB-122 233'4'5'-PeCB	ND		1.0095					0.83	ND	5.35E+03	11.9
PCB-127 33'455'-PeCB	ND		1.0357					1.02	ND	5.35E+03	9.37
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.99E+03	9.37
PCB-152 22'3566'-HxCB	ND		1.0072					1.15	ND	3.99E+03	7.79
PCB-150 22'34'66'-HxCB	ND		1.0118					1.01	ND	3.99E+03	8.82
PCB-136 22'33'66'-HxCB	30.25		1.0228	1.0228	0	1.00E+06	1.23	0.91	230	3.99E+03	9.79
PCB-145 22'3466'-HxCB	ND		1.0313					1.05	ND	3.99E+03	8.52
PCB-148 22'34'56'-HxCB	ND		1.0741					1.11	ND	3.99E+03	7.87
PCB-151/135 ...-HxCB	32.29	C	1.0925	1.0916	-1.7	2.01E+06	1.36	1.08	426	3.99E+03	8.1
PCB-154 22'44'56'-HxCB	32.48	J EMPC	1.0987	1.0981	-1.2	6.05E+04	1.55	1.16	12	3.99E+03	7.57
PCB-144 22'345'6-HxCB	32.76	EMPC	1.1082	1.1076	-1.2	2.51E+05	1.47	1.05	54.7	3.99E+03	8.36
PCB-147/149 ...-HxCB	33.06	C	1.1186	1.1178	-1.6	4.18E+06	1.43	1.13	845	3.99E+03	7.73
PCB-134 22'33'56-HxCB	33.25		1.1248	1.1240	-1.6	2.02E+05	1.13	0.75	62	3.99E+03	11.7
PCB-143 22'3456'-HxCB	ND		1.1273					1.07	ND	3.99E+03	8.22
PCB-139/140 ...-HxCB	33.56	J EMPC C	1.1359	1.1346	-2.6	3.43E+04	0.64	1.09	7.21	3.99E+03	8.04
PCB-131 22'33'46-HxCB	33.76	J	1.1421	1.1413	-1.6	7.45E+04	1.13	0.95	17.9	3.99E+03	9.21
PCB-142 22'3456-HxCB	ND		1.1468					0.93	ND	3.99E+03	9.44
PCB-132 22'33'46'-HxCB	34.15		1.1554	1.1547	-1.4	1.23E+06	1.22	0.95	296	3.99E+03	9.24
PCB-133 22'33'55'-HxCB	34.51	J EMPC	1.1687	1.1668	-3.9	8.96E+04	1.44	1.07	19.3	3.99E+03	8.23
PCB-165 233'55'6-HxCB	ND		0.9511					1.17	ND	3.99E+03	7.51
PCB-146 22'34'55'-HxCB	35.08		0.9569	0.9572	+0.6	6.88E+05	1.21	1.18	134	3.99E+03	7.45
PCB-161 233'45'6-HxCB	ND		0.9601					1.38	ND	3.99E+03	6.34
PCB-153/168 ...-HxCB	35.60	C	0.9717	0.9714	-0.6	4.59E+06	1.21	1.26	837	3.99E+03	6.98
PCB-141 22'3455'-HxCB	35.78		0.9761	0.9762	+0.2	9.73E+05	1.21	0.94	237	3.99E+03	9.3
PCB-130 22'33'45'-HxCB	36.13		0.9856	0.9858	+0.4	2.25E+05	1.16	0.78	66.2	3.99E+03	11.3
PCB-137 22'344'5-HxCB	36.31		0.9907	0.9907	0	1.39E+05	1.24	0.93	34.3	3.99E+03	9.45
PCB-164 233'4'5'6-HxCB	36.41	EMPC	0.9933	0.9933	0	2.86E+05	1.55	1.27	51.5	3.99E+03	6.89
PCB-163/138/129 ...-HxCB	36.68	C	1.0011	1.0007	-0.9	3.83E+06	1.32	0.96	912	3.99E+03	9.11
PCB-160 233'456-HxCB	ND		1.0047					1.21	ND	3.99E+03	7.24
PCB-158 233'44'6-HxCB	37.00		1.0097	1.0095	-0.4	4.68E+05	1.31	1.29	83.2	3.99E+03	6.81

Lab ID: B9935_21527_PCB_007-CU

ACQ: 17-Oct-2024 07:31:24 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Test #7

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J-level: 20 pg Split: 2

Checkcode: 019-765-RLG/C

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RPT: 23-Oct-2024 11:16 JJ

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Method 1668C

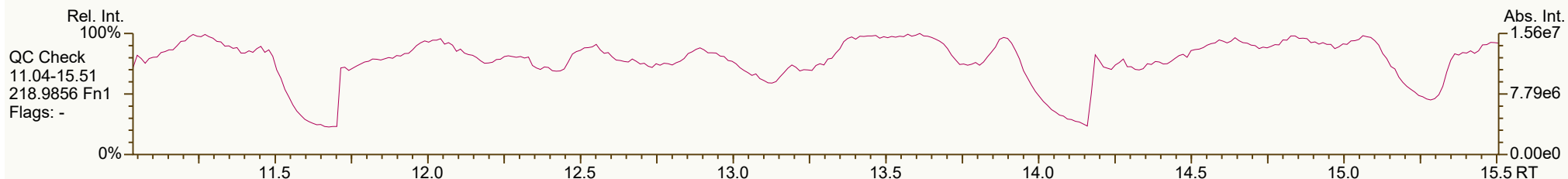
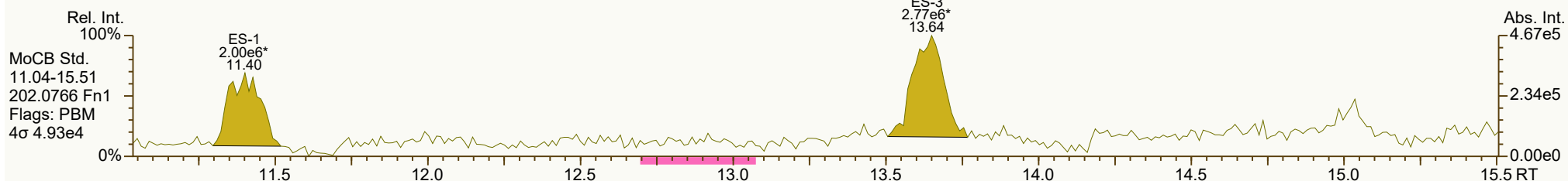
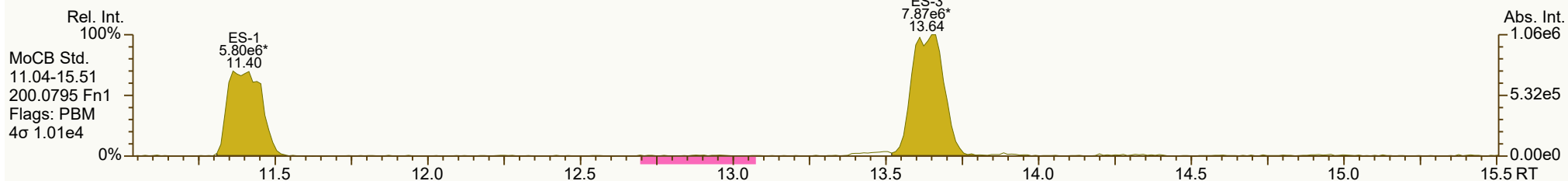
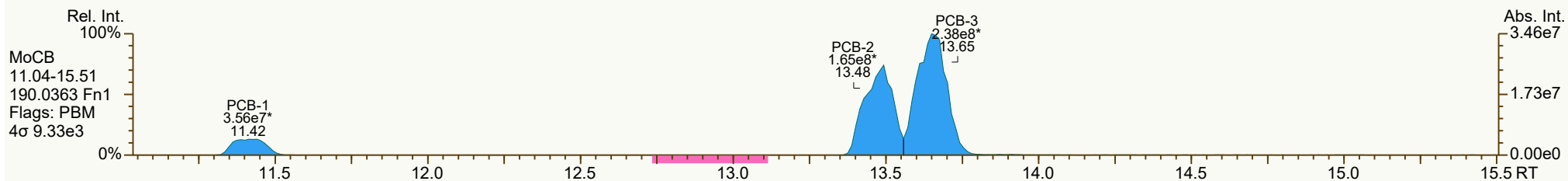
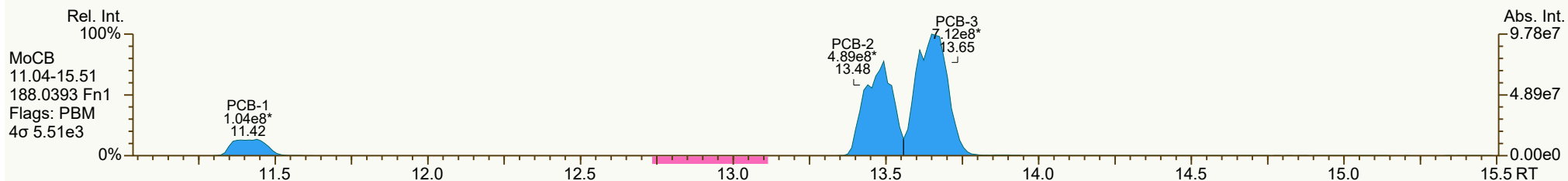
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-128/166 ...-HxCB	37.77	B C	0.9631	0.9639	+1.8	5.25E+05	1.29	0.92	107	7.86E+03	16.4
PCB-159 233'455'-HxCB	ND		0.9839					1.16	ND	7.86E+03	13
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	7.86E+03	15.7
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	2.38E+03	7.52
PCB-179 22'33'566'-HpCB	34.75	EMPC	1.0095	1.0093	-0.4	4.23E+05	1.28	1.24	100	2.38E+03	5.87
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	2.38E+03	6.43
PCB-176 22'33'466'-HpCB	35.52	EMPC	1.0313	1.0317	+0.9	1.90E+05	1.37	1.05	52.7	2.38E+03	6.9
PCB-186 22'34566'-HpCB	ND		1.0428					1.22	ND	2.38E+03	5.95
PCB-178 22'33'55'6'-HpCB	37.03		1.0758	1.0755	-0.7	1.80E+05	1.15	0.79	66.9	2.38E+03	9.22
PCB-175 22'33'45'6'-HpCB	ND		1.0915					1.00	ND	6.65E+03	16.8
PCB-187 22'34'55'6'-HpCB	37.79		1.0982	1.0977	-1.1	1.88E+06	1.05	1.33	358	6.65E+03	12.6
PCB-182 22'344'56'-HpCB	ND		1.1032					1.32	ND	6.65E+03	12.8
PCB-183 22'344'5'6'-HpCB	38.30		1.1133	1.1125	-1.8	8.09E+05	1.16	1.15	179	6.65E+03	14.7
PCB-185 22'3455'6'-HpCB	38.39	EMPC	1.1161	1.1151	-2.3	1.91E+05	1.46	1.03	47.1	6.65E+03	16.3
PCB-174 22'33'456'-HpCB	38.52		1.1195	1.1188	-1.6	1.25E+06	1.09	1.11	287	6.65E+03	15.1
PCB-177 22'33'45'6'-HpCB	38.90		1.1304	1.1298	-1.4	5.45E+05	1.05	1.09	127	6.65E+03	15.4
PCB-181 22'344'56'-HpCB	ND		1.1402					1.15	ND	6.65E+03	14.6
PCB-171/173 ...-HpCB	39.42	C	1.1458	1.1449	-2.1	2.80E+05	0.97	0.99	72.2	6.65E+03	17.1
PCB-172 22'33'455'-HpCB	40.77		0.9058	0.9060	+0.5	1.75E+05	0.99	0.95	46.8	6.65E+03	17.7
PCB-192 233'455'6'-HpCB	ND		0.9112					1.34	ND	6.65E+03	12.6
PCB-180/193 ...-HpCB	41.32	B C	0.9175	0.9181	+1.5	2.06E+06	1.02	1.13	465	6.65E+03	14.9
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.16	ND	6.65E+03	14.5
PCB-170 22'33'44'5'-HpCB	42.40		0.9422	0.9421	-0.3	5.61E+05	1.09	1.03	167	6.65E+03	18.5
PCB-190 233'44'56'-HpCB	42.85		0.9521	0.9522	+0.3	1.56E+05	1.01	1.41	33.9	6.65E+03	13.5
PCB-202 22'33'55'66'-OcCB	38.97		1.0006	1.0005	-0.2	1.12E+05	0.90	0.96	33	2.48E+03	7.28
PCB-201 22'33'45'66'-OcCB	39.75	EMPC	1.0206	1.0205	-0.2	1.01E+05	1.03	0.90	31.6	2.48E+03	7.73
PCB-204 22'344'566'-OcCB	ND		1.0353					1.04	ND	2.48E+03	6.69
PCB-197 22'33'44'66'-OcCB	ND		1.0403					0.97	ND	2.48E+03	7.19
PCB-200 22'33'4566'-OcCB	40.60	EMPC	1.0430	1.0425	-1.2	7.64E+04	1.15	0.88	24.5	2.48E+03	7.93
PCB-198/199 ...-OcCB	42.97	C	1.1028	1.1032	+1.0	3.04E+05	0.99	0.74	116	2.48E+03	9.41
PCB-196 22'33'44'56'-OcCB	43.52	EMPC	1.1176	1.1172	-1.0	1.11E+05	0.73	0.63	49.5	2.48E+03	11
PCB-203 22'344'55'6'-OcCB	43.68		1.1219	1.1215	-1.0	1.88E+05	0.88	0.77	68.5	2.48E+03	9.01
PCB-195 22'33'44'56'-OcCB	44.82		0.9493	0.9495	+0.5	6.05E+04	0.83	0.89	23.4	2.80E+03	12.4
PCB-194 22'33'44'55'-OcCB	46.79		0.9912	0.9913	+0.3	1.62E+05	0.96	0.87	63.4	2.80E+03	12.6
PCB-205 233'44'55'6'-OcCB	ND		1.0004					0.92	ND	2.80E+03	11.9
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	5.85E+03	18
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.96	ND	5.85E+03	18
PCB-206 22'33'44'55'6'-NoCB	ND		1.0005					0.93	ND	5.85E+03	40.2
AS PCB-32	19.963	V	1.2602	1.2612	+1.2	6.24E+06	1.13	0.84	48.5 %	50%	150%
AS PCB-97	30.727		1.0318	1.0313	-0.9	1.72E+07	1.64	0.85	96 %	50%	150%
AS PCB-159	38.538		1.0518	1.0515	-0.7	2.25E+07	1.24	1.16	122 %	50%	150%



SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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Acq: 17-Oct-2024 07:31:24
User: JLJ Datafile: 241016B20



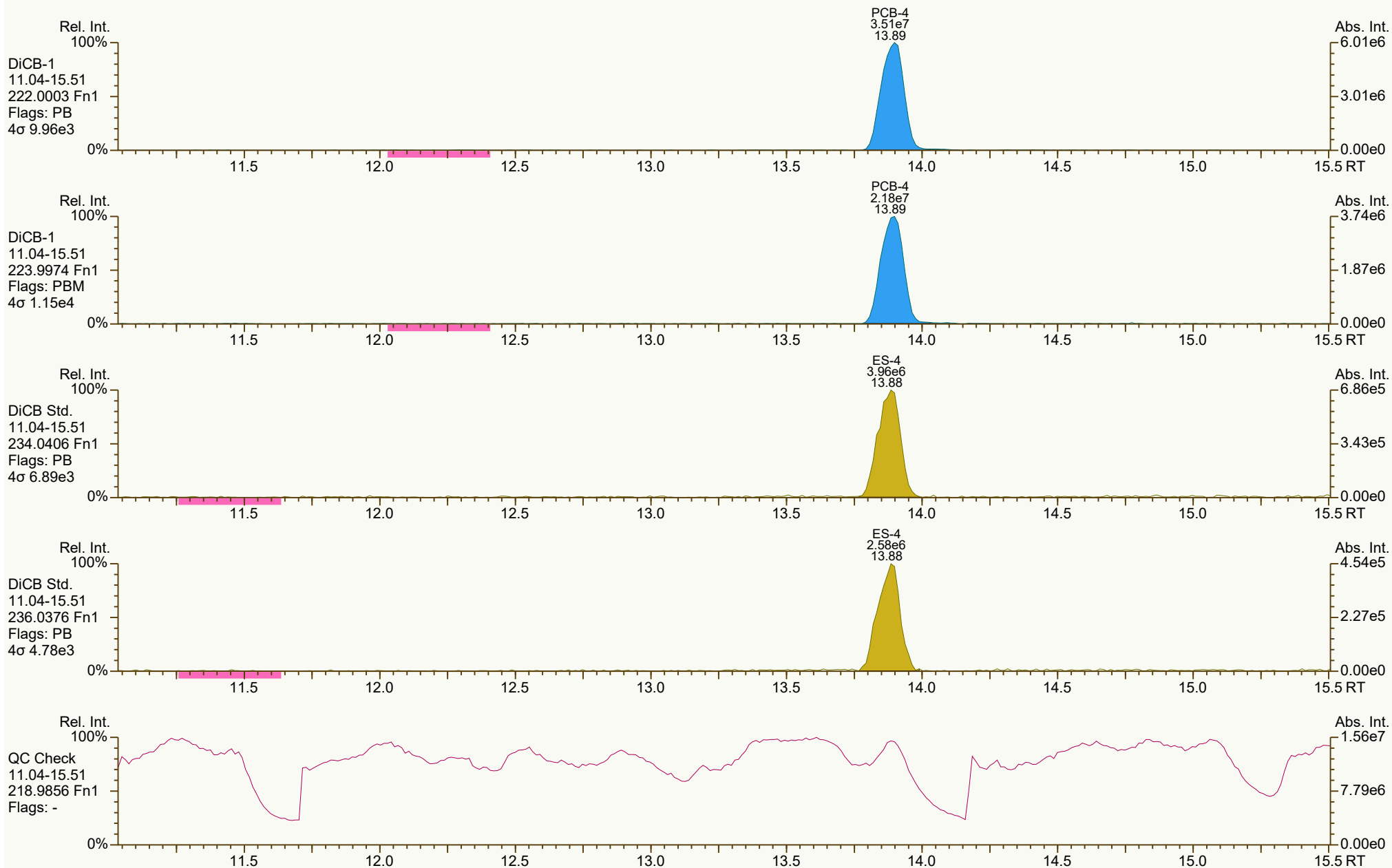
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 2 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 17

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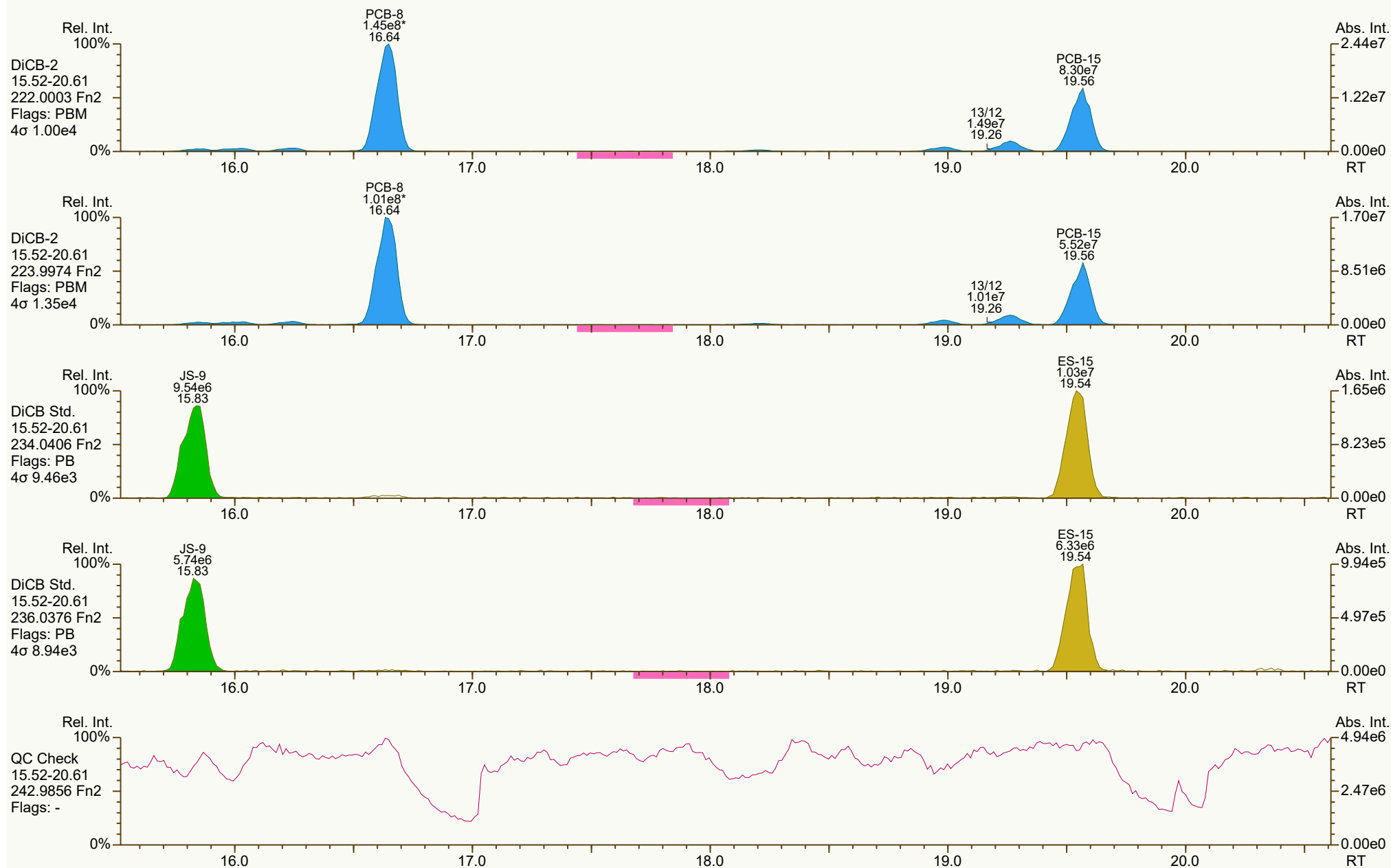
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 14:30 (JLJ) Printed: 23-Oct-2024 11:17 Page 3 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 17

Acq: 17-Oct-2024 07:31:24
User: JLJ Datafile: 241016B20



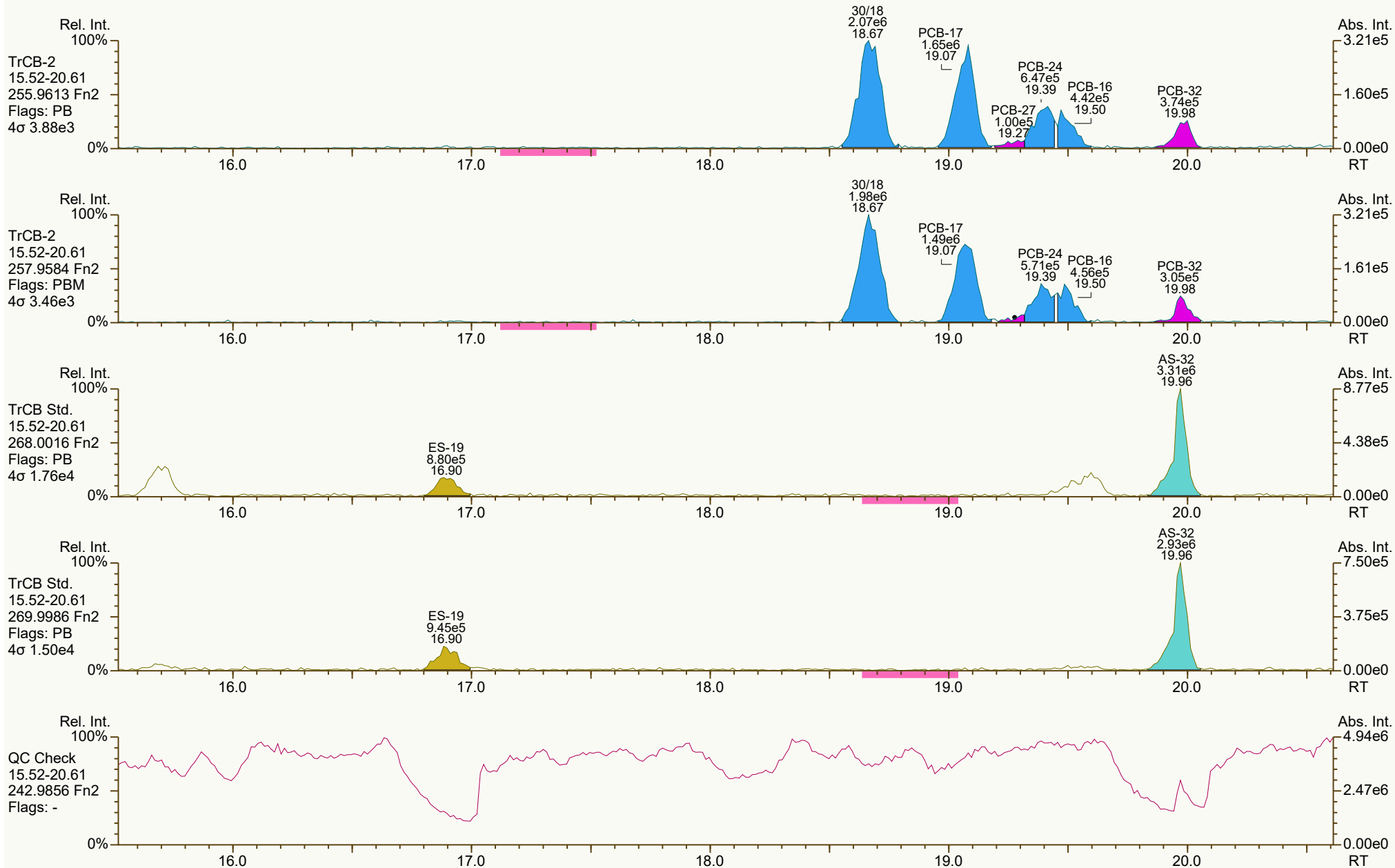
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 4 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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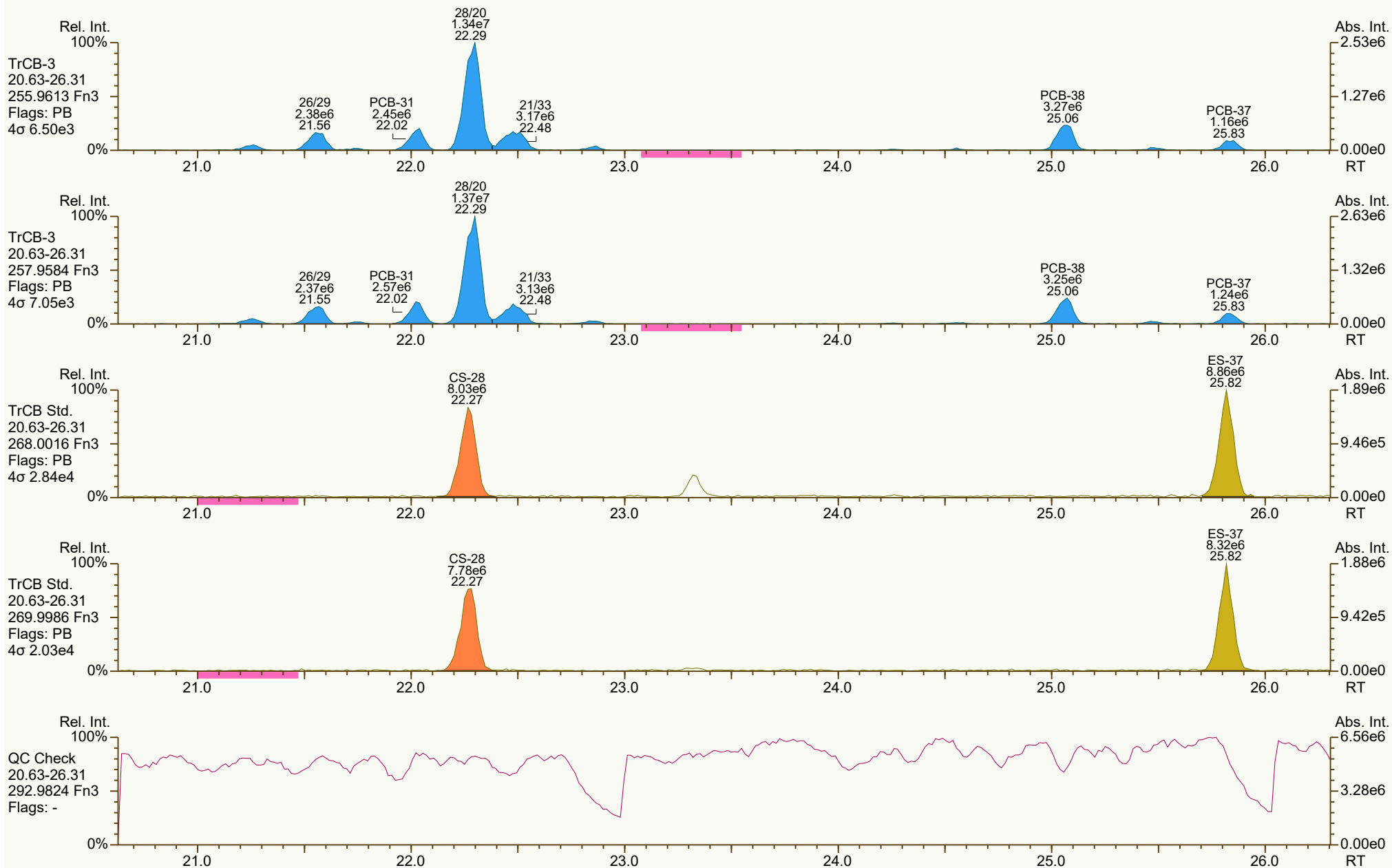
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 5 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 17

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 6 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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User: JLJ Datafile: 241016B20



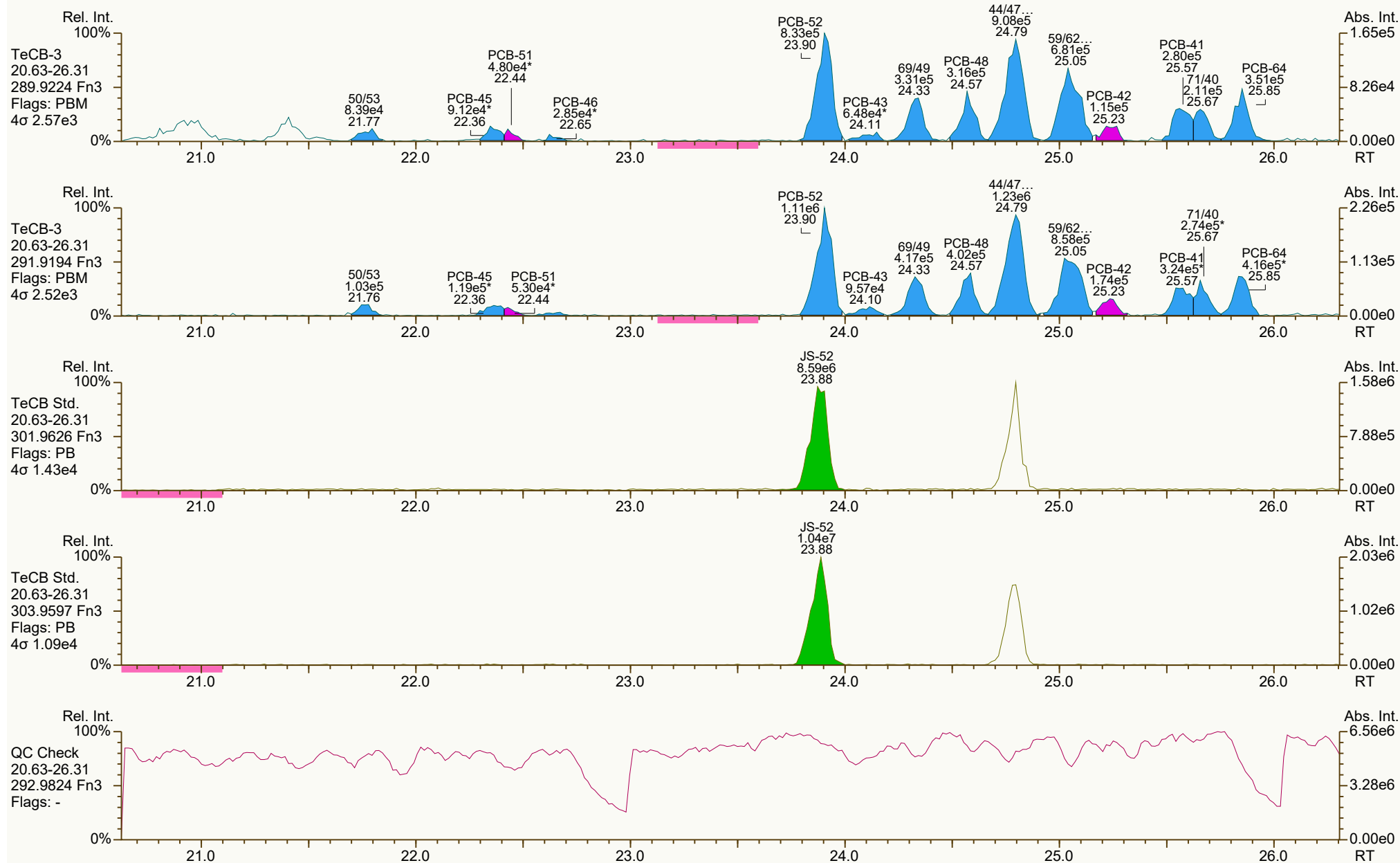
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 7 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 17

Acq: 17-Oct-2024 07:31:24
User: JLJ Datafile: 241016B20



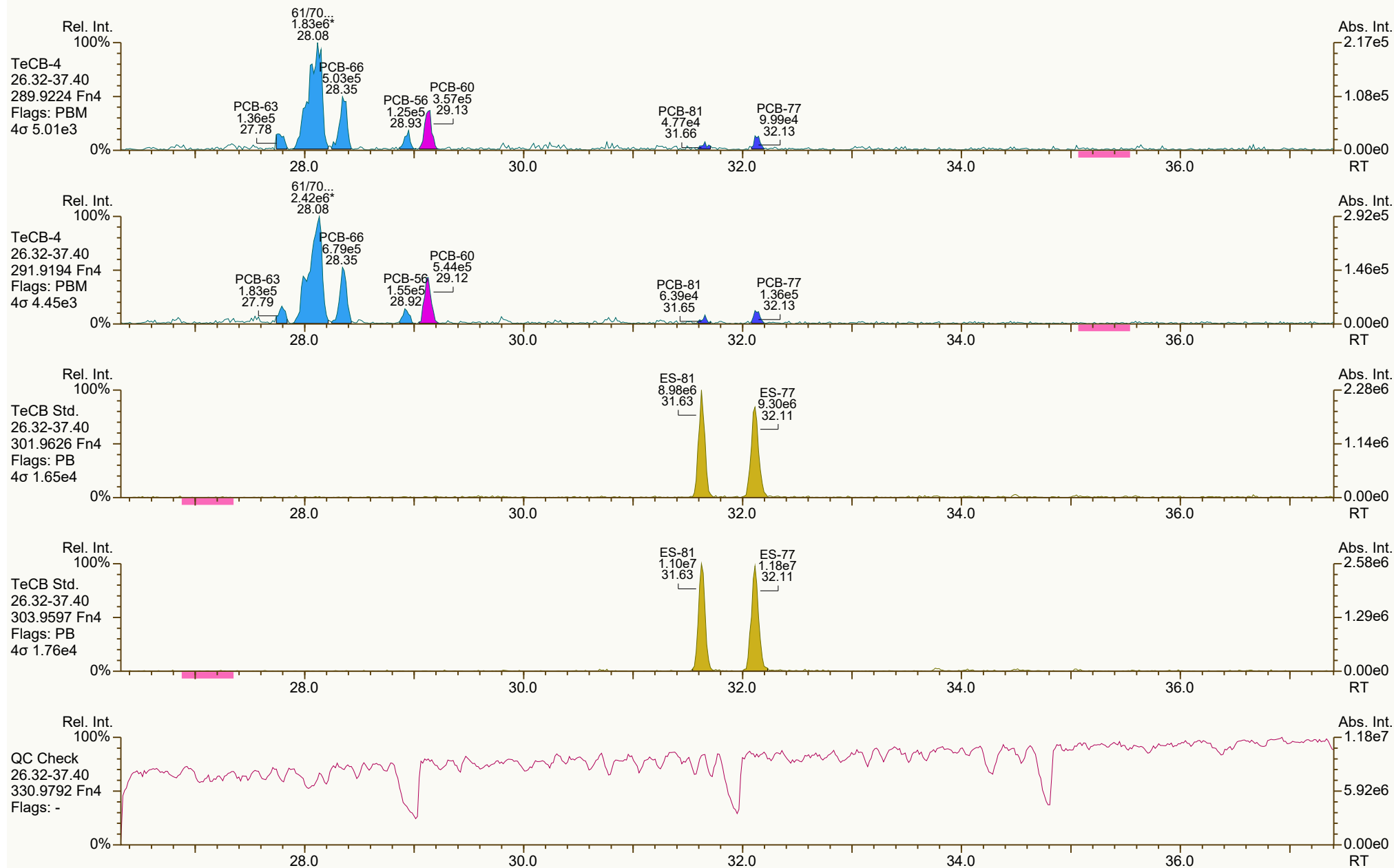
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 8 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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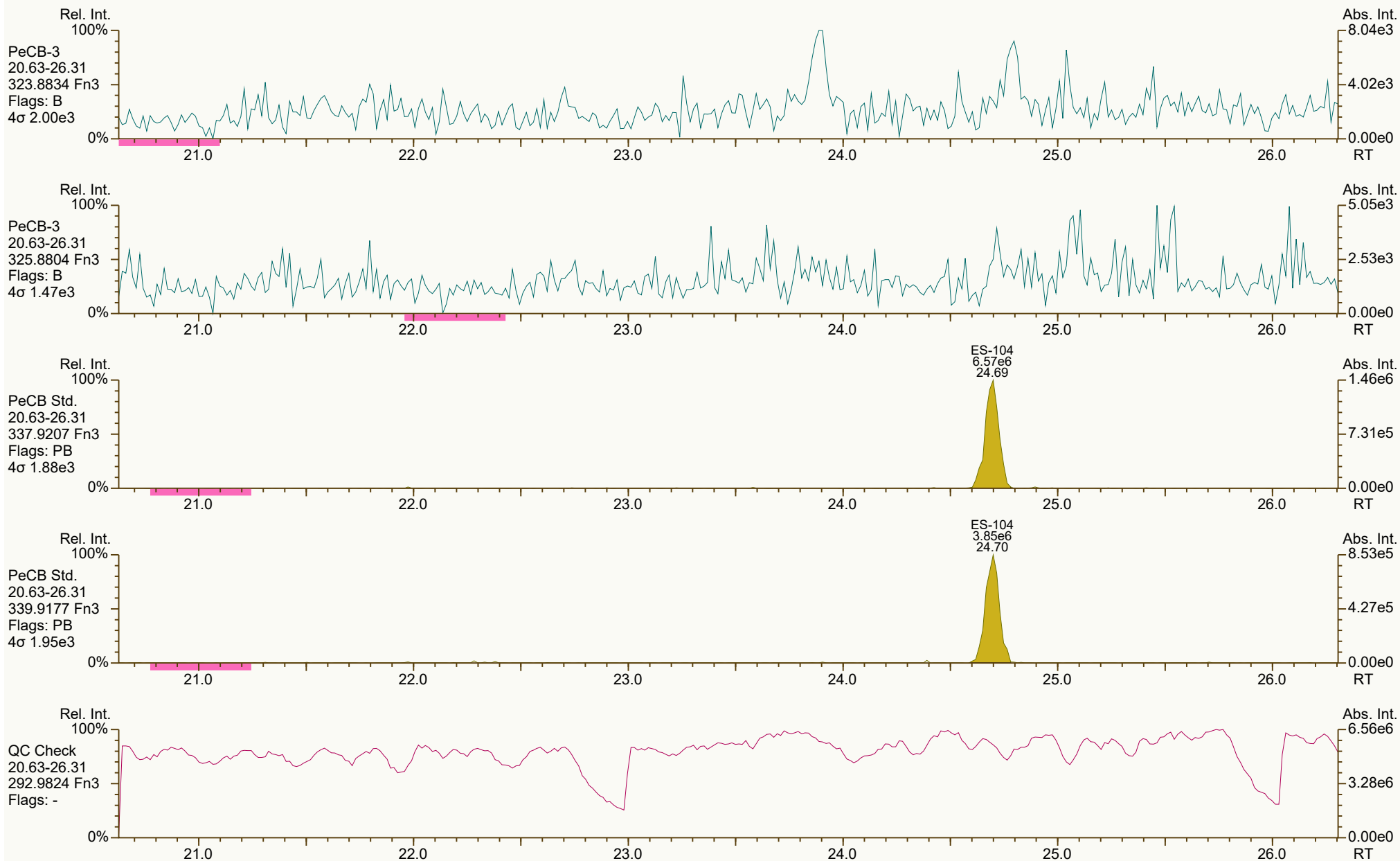
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 9 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:50 (JLJ) Printed: 23-Oct-2024 11:17 Page 10 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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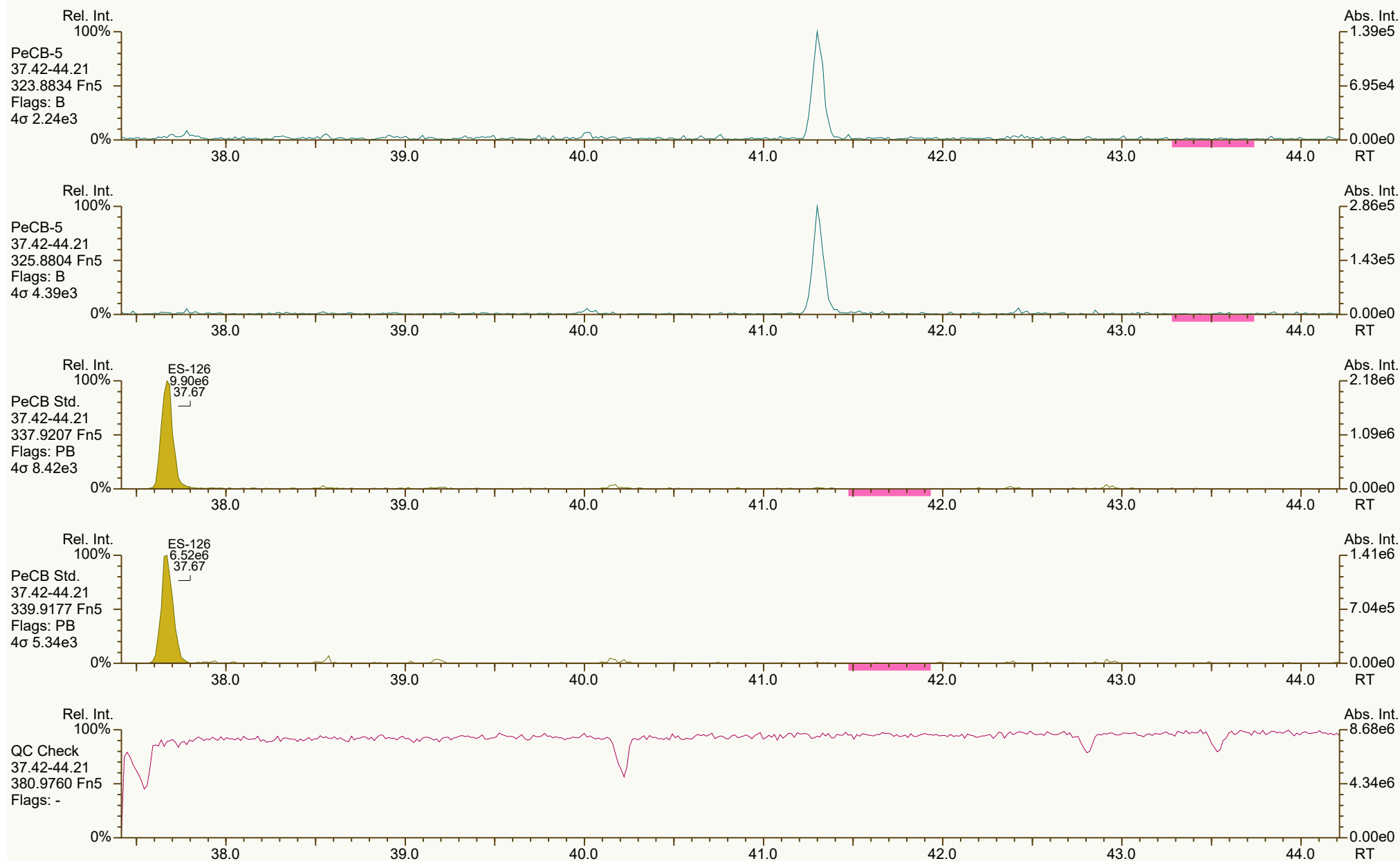
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 11 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 12 of 21

SGS ID: B9935_21527_PCB_007-CU
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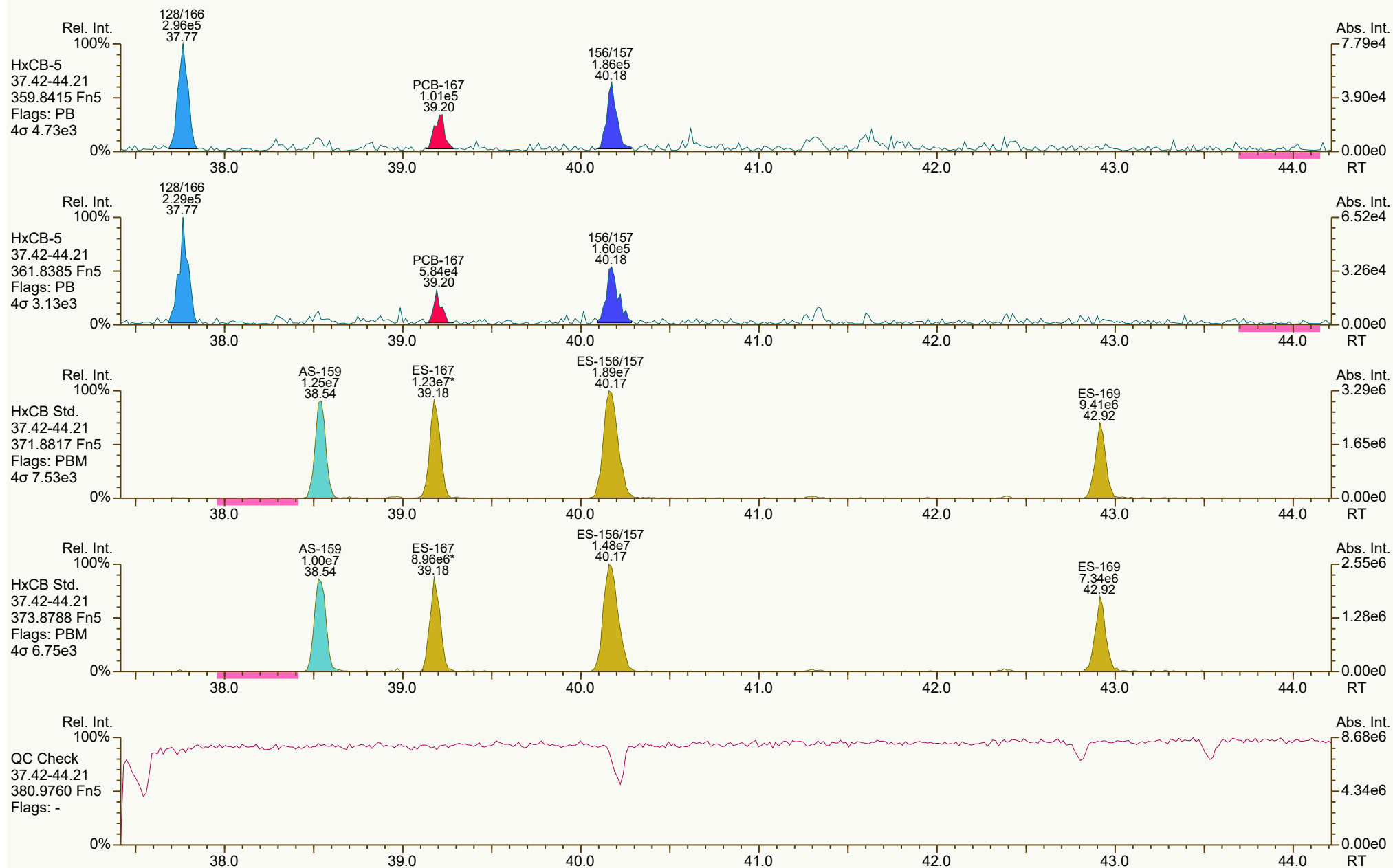
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 13 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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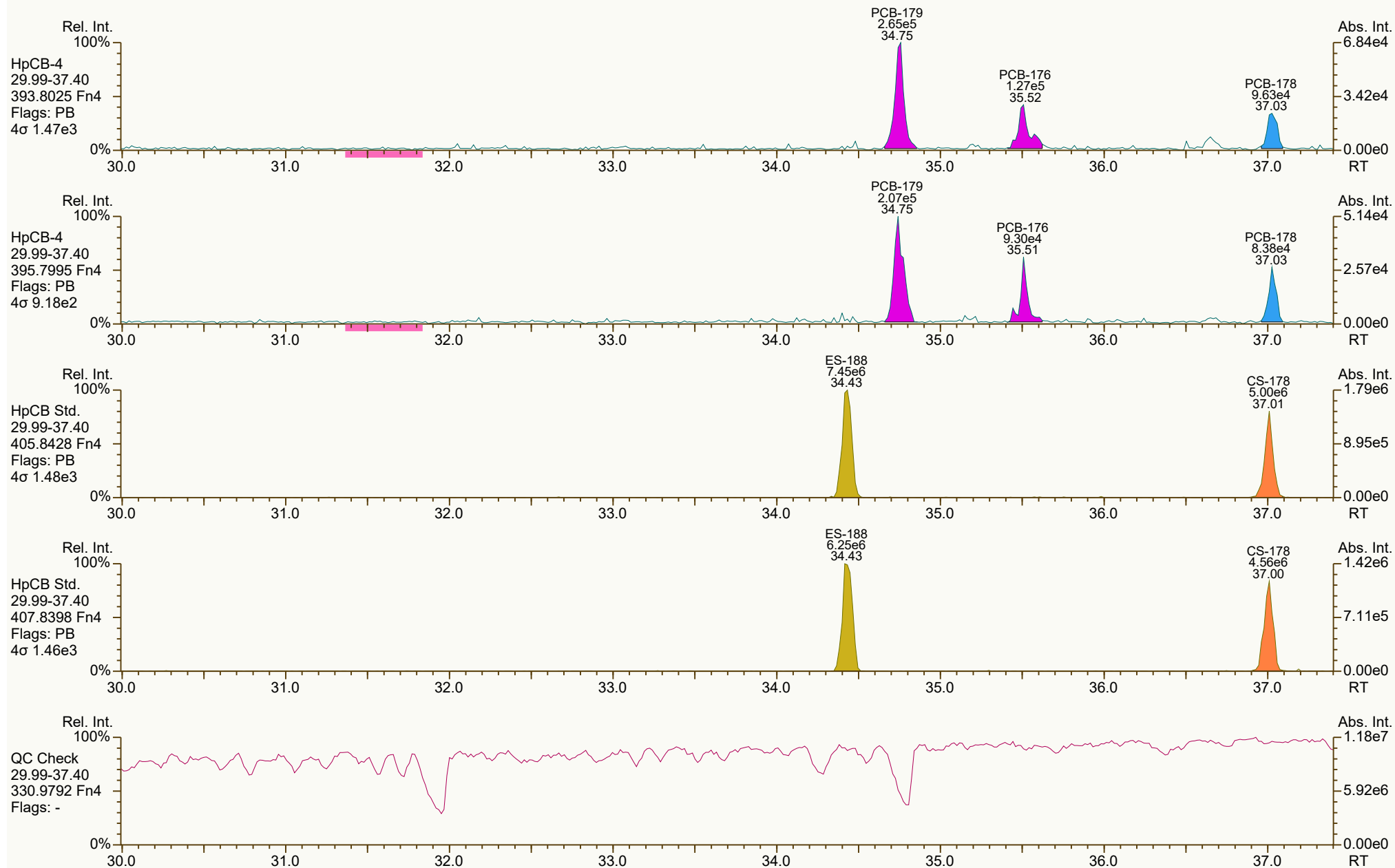
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 14 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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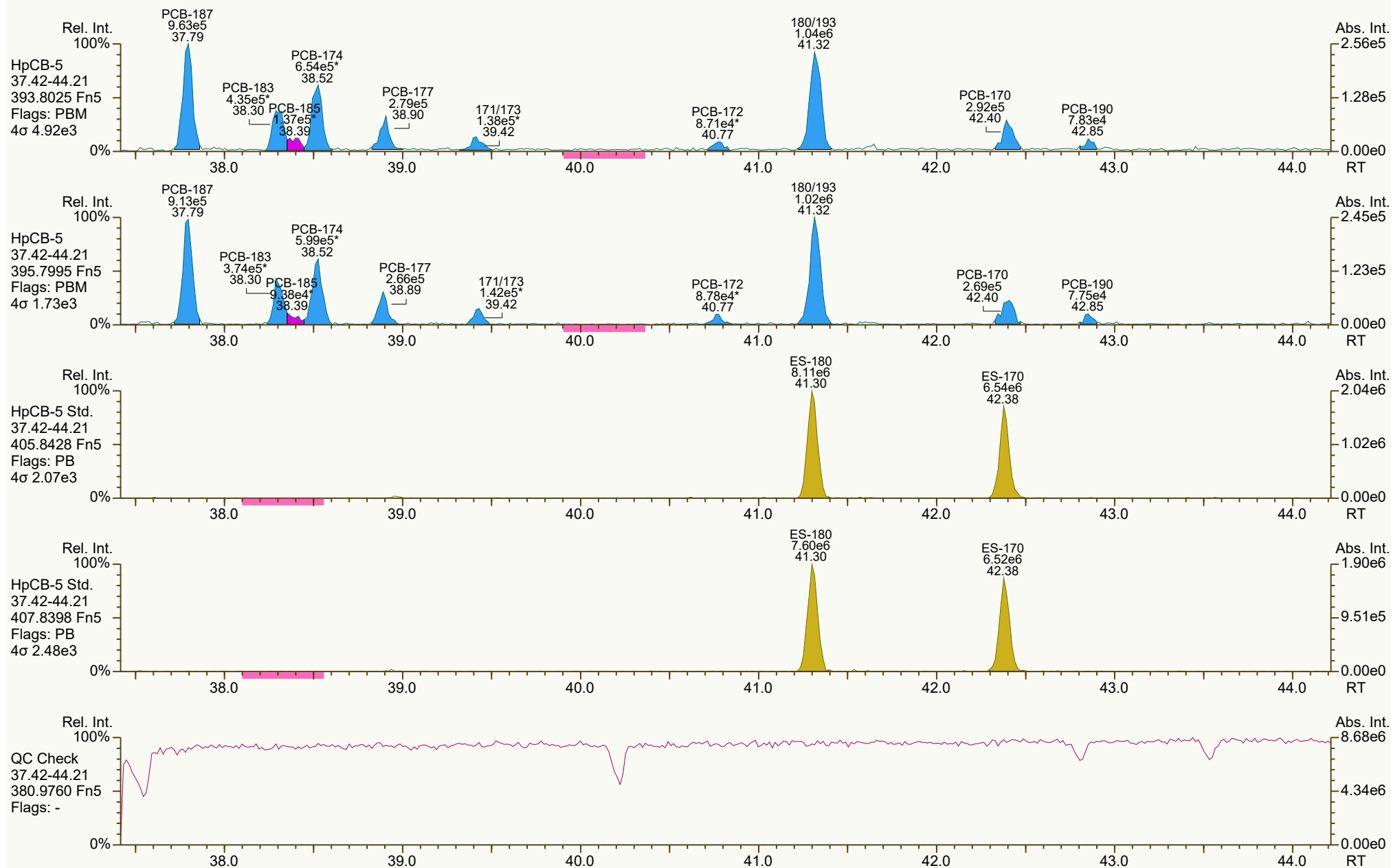
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 15 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

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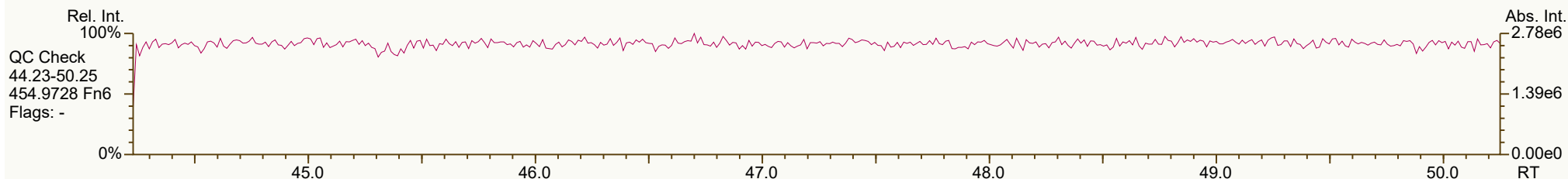
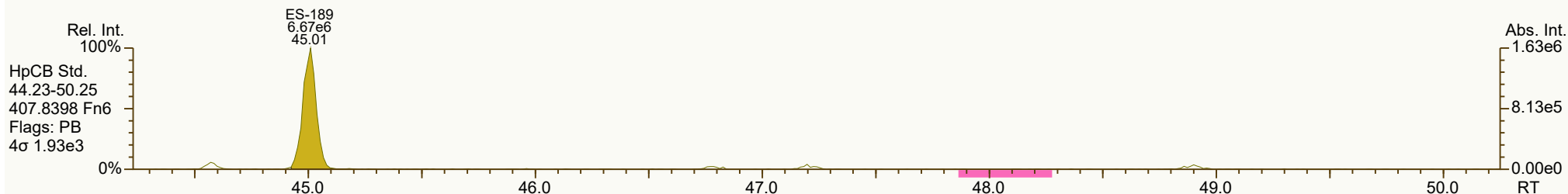
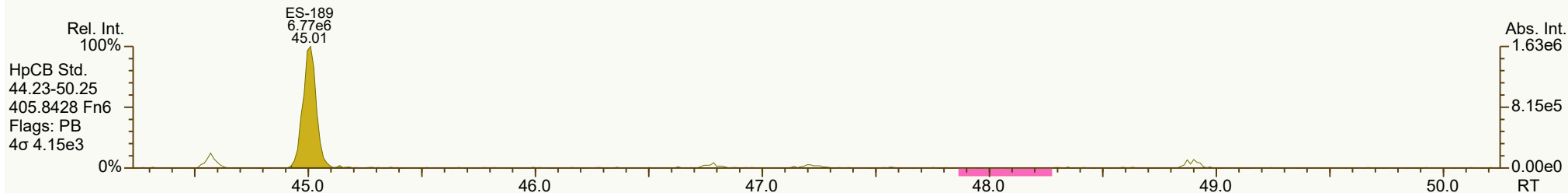
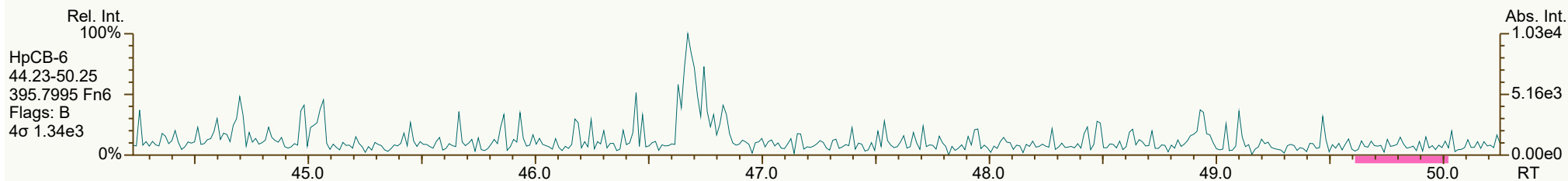
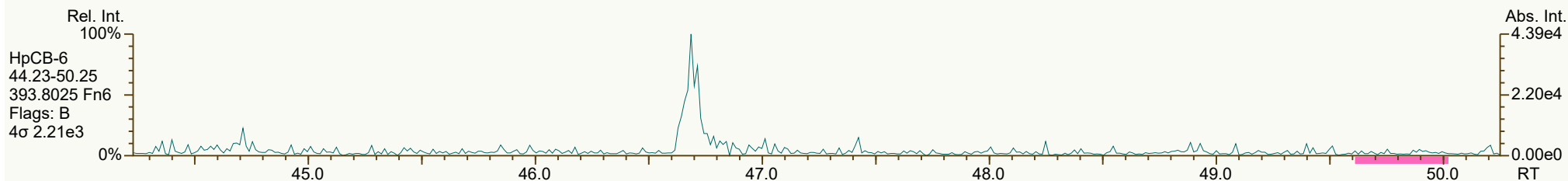
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 16 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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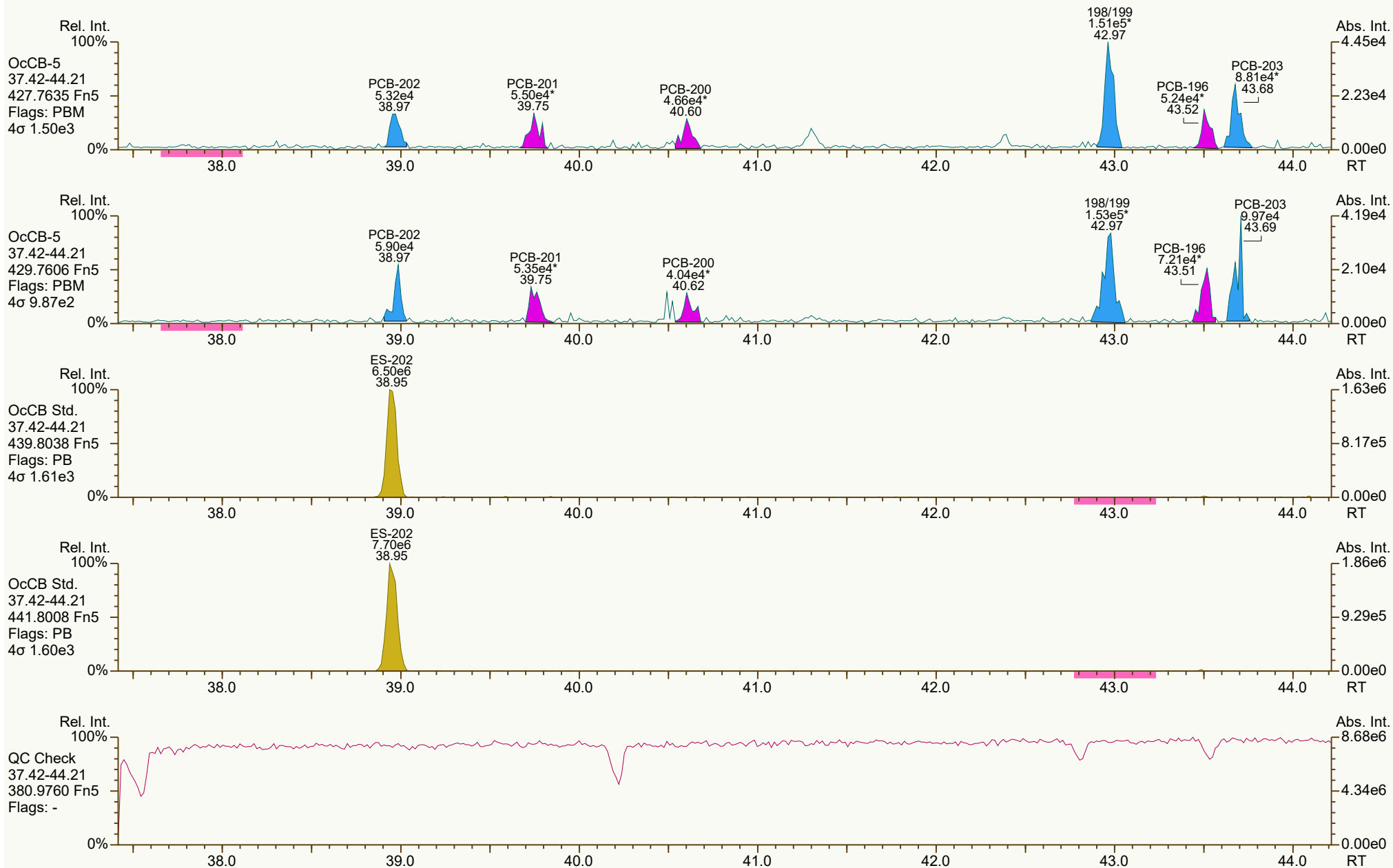
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 17 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
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Acq: 17-Oct-2024 07:31:24
User: JLJ Datafile: 241016B20



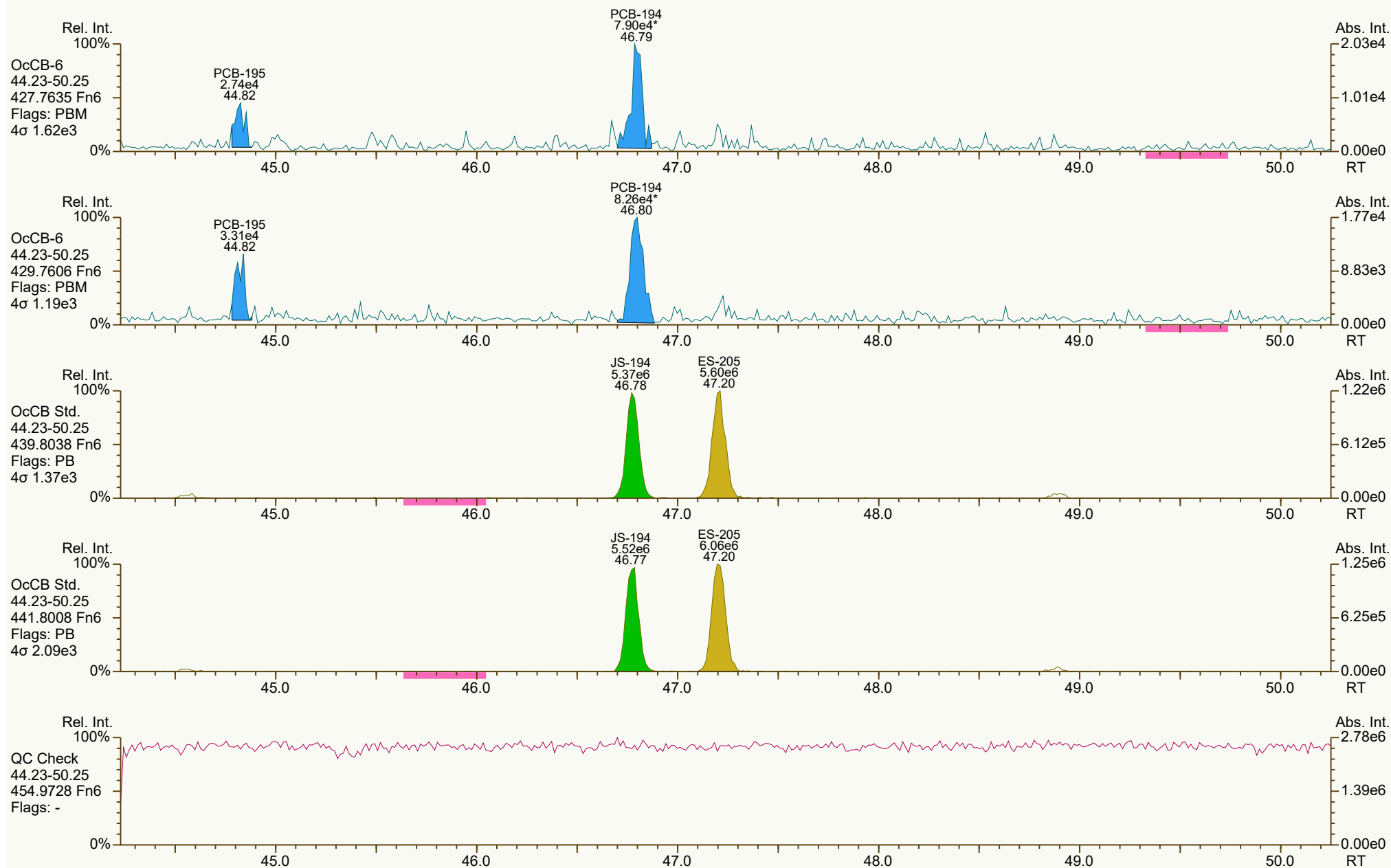
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9067, 1081 scc: 019-765

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 18 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 17

Acq: 17-Oct-2024 07:31:24
User: JLJ Datafile: 241016B20



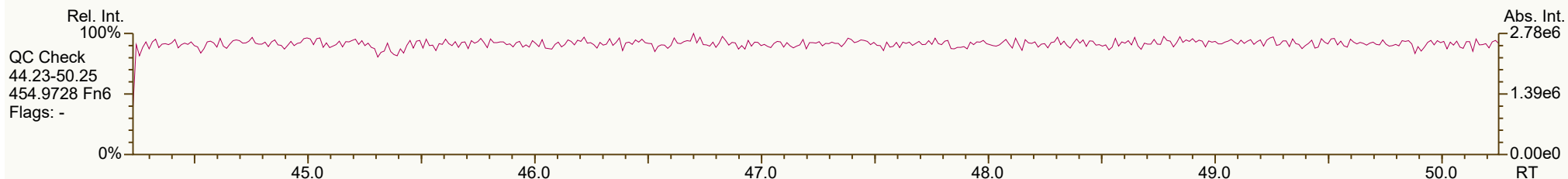
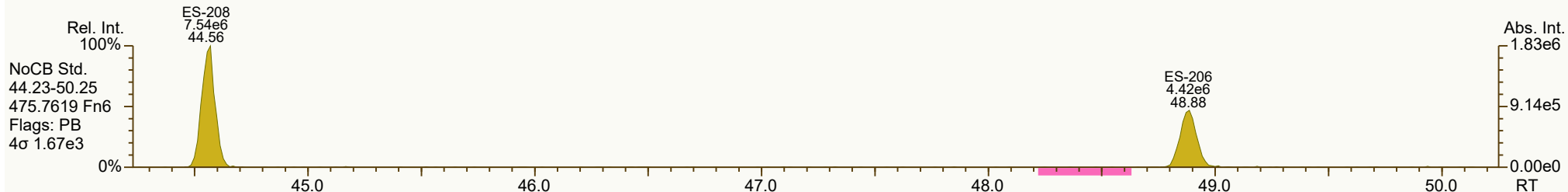
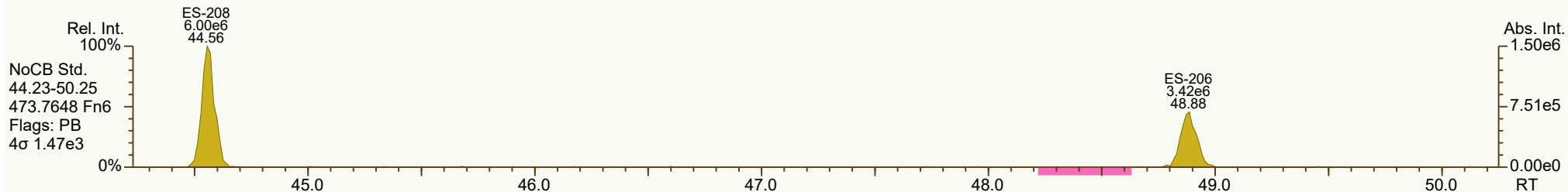
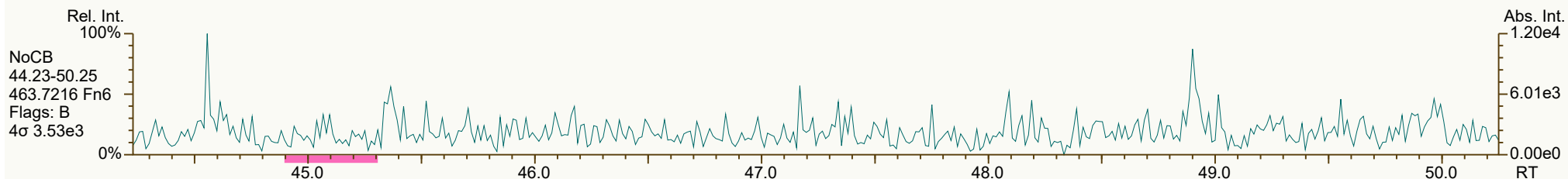
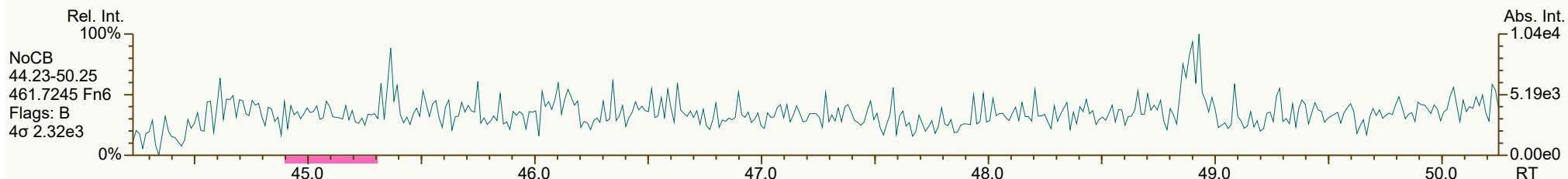
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 14:44 Printed: 23-Oct-2024 11:17 Page 19 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 17

Acq: 17-Oct-2024 07:31:24
User: JLJ Datafile: 241016B20



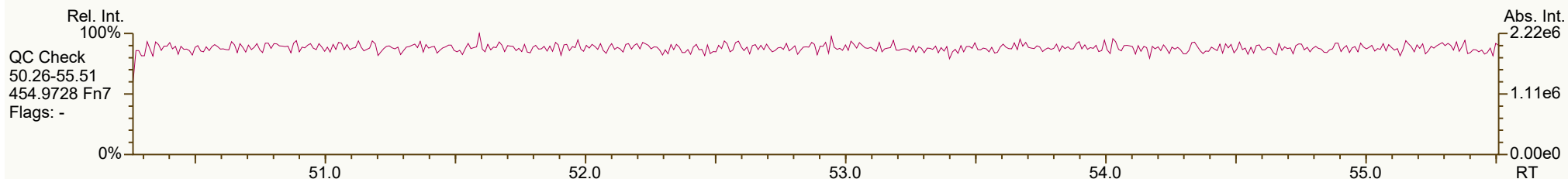
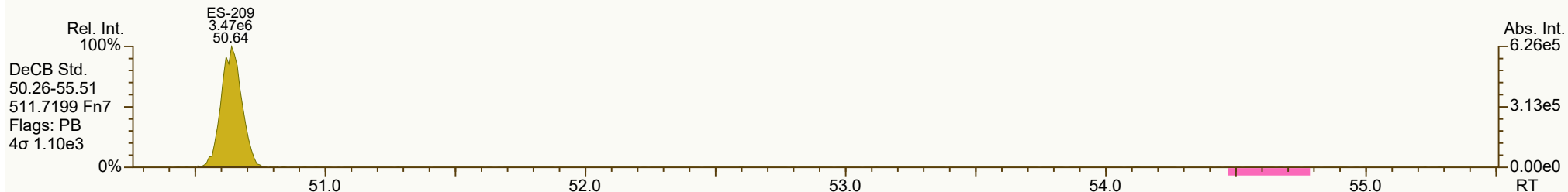
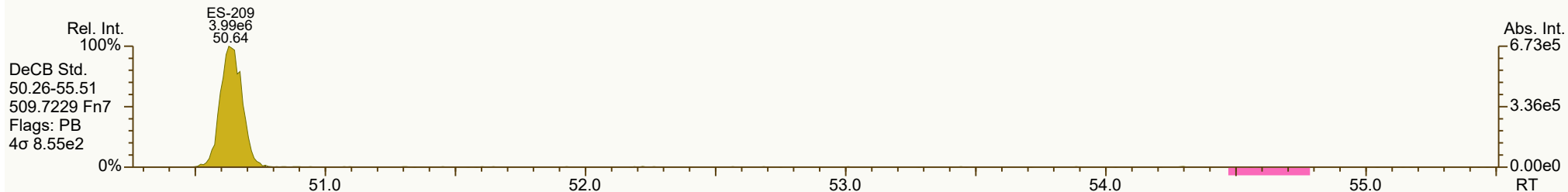
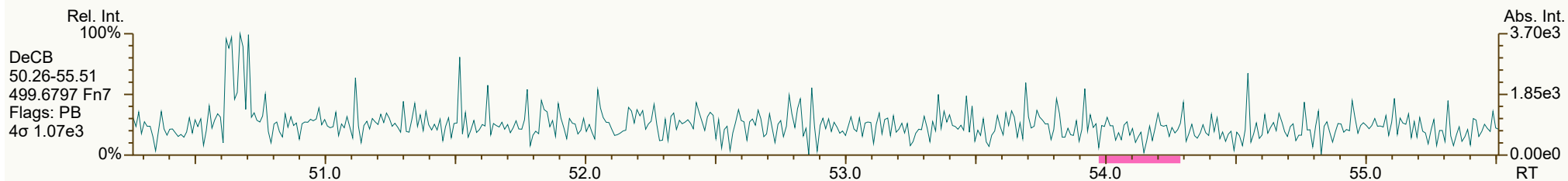
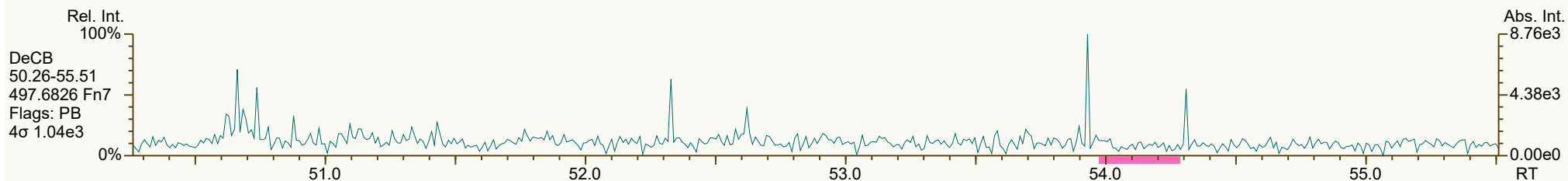
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8455, 8873 scc: 019-765

Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 14:44 (JLJ) Printed: 23-Oct-2024 11:17 Page 20 of 21

SGS ID: B9935_21527_PCB_007-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Test #7
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 17

Acq: 17-Oct-2024 07:31:24
User: JLJ Datafile: 241016B20



Lab ID: B9935_21527_PCB_008-CU

ACQ: 17-Oct-2024 08:30:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Field Blank

UTP: 21-Oct-2024 15:33:14 JLJ

J-level: 20 pg Split: 2

Checkcode: 910-748-SRN/C

Datafile: 241016B21

RPT: 23-Oct-2024 11:16 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	ND		1.0006					0.95	ND	4.58E+03	11.6
PCB-81 344'5-TeCB	ND		1.0005					0.94	ND	4.58E+03	12
PCB-105 233'44'-PeCB	34.97	B EMPC	1.0006	1.0008	+0.4	2.05E+05	0.72	0.97	46.3	2.79E+03	6.31
PCB-114 2344'5-PeCB	ND		1.0007					0.96	ND	2.79E+03	6.79
PCB-118 23'44'5-PeCB	33.94	B	1.0007	1.0010	+0.6	5.40E+05	0.58	0.99	106	2.79E+03	6.11
PCB-123 23'44'5'-PeCB	ND		1.0007					0.96	ND	2.79E+03	6.83
PCB-126 33'44'5-PeCB	ND		1.0005					0.96	ND	2.75E+03	12
PCB-156/157 ...-HxCB	40.12	J B EMPC C	1.0005	1.0002	-0.7	9.02E+04	0.97	0.96	24.6	2.22E+03	9.95
PCB-167 23'44'55'-HxCB	39.12	J EMPC	1.0005	1.0004	-0.2	2.82E+04	2.10	0.94	7.55	2.22E+03	6.33
PCB-169 33'44'55'-HxCB	ND		1.0005					0.97	ND	2.22E+03	8.97
PCB-189 233'44'55'-HpCB	ND		1.0004					0.93	ND	1.95E+03	10.7
PCB-209 DeCB	ND		1.0005					0.95	ND	1.59E+03	16
ES PCB-1	11.31		0.7219	0.7217	-0.1	1.63E+07	3.07	1.19	44.8 %	5%	145%
ES PCB-3	13.53		0.8628	0.8636	+0.6	1.77E+07	3.04	1.13	51.3 %	5%	145%
ES PCB-4	13.75		0.8777	0.8772	-0.4	1.06E+07	1.54	0.72	47.7 %	5%	145%
ES PCB-15	19.38		1.2345	1.2372	+3.1	2.15E+07	1.51	1.07	65.6 %	5%	145%
ES PCB-19	16.74		1.0688	1.0686	-0.2	1.23E+07	1.04	0.65	62 %	5%	145%
ES PCB-37	25.67		1.0824	1.0845	+3.2	2.18E+07	1.03	1.40	72.1 %	5%	145%
ES PCB-54	19.60		0.8288	0.8281	-0.8	8.79E+06	0.65	1.23	33 %	5%	145%
ES PCB-77	32.00		1.3483	1.3519	+6.9	1.93E+07	0.75	1.28	69.7 %	10%	145%
ES PCB-81	31.50		1.3278	1.3310	+6.0	2.00E+07	0.78	1.33	69.8 %	10%	145%
ES PCB-104	24.50		0.8278	0.8268	-1.5	1.16E+07	1.68	1.32	44.2 %	10%	145%
ES PCB-105	34.94		1.1779	1.1791	+2.5	1.83E+07	1.62	1.26	73.1 %	10%	145%
ES PCB-114	34.38		1.1590	1.1600	+2.1	1.95E+07	1.46	1.34	73.1 %	10%	145%
ES PCB-118	33.91		1.1434	1.1443	+1.8	2.06E+07	1.50	1.31	79 %	10%	145%
ES PCB-123	33.63		1.1339	1.1349	+2.0	1.83E+07	1.56	1.27	72.7 %	10%	145%
ES PCB-126	37.59		1.2663	1.2686	+5.2	1.24E+07	1.42	1.19	52.5 %	10%	145%
ES PCB-153	35.47		0.9706	0.9703	-0.6	1.35E+07	1.23	1.11	89.1 %	10%	145%
ES PCB-155	29.42		0.8059	0.8047	-2.1	1.68E+07	1.28	1.45	84.8 %	10%	145%
ES PCB-156/157	40.11	C	1.0967	1.0973	+1.4	3.05E+07	1.20	1.24	90.2 %	10%	145%
ES PCB-167	39.11		1.0695	1.0699	+0.9	1.59E+07	1.35	1.29	90.5 %	10%	145%
ES PCB-169	42.87		1.1714	1.1727	+3.3	1.16E+07	1.28	1.18	72.2 %	10%	145%
ES PCB-170	42.34		0.9058	0.9058	0	8.70E+06	1.19	1.06	105 %	10%	145%
ES PCB-180	41.24		0.8827	0.8824	-0.7	1.12E+07	1.18	1.25	114 %	10%	145%
ES PCB-188	34.31		0.9393	0.9387	-1.2	1.04E+07	0.97	1.36	56.1 %	10%	145%
ES PCB-189	44.97		0.9619	0.9621	+0.5	9.05E+06	1.05	1.37	83.9 %	10%	145%
ES PCB-202	38.87		1.0635	1.0635	0	1.07E+07	0.88	1.19	65.9 %	10%	145%
ES PCB-205	47.17		1.0093	1.0092	-0.3	8.62E+06	0.90	1.23	89 %	10%	145%
ES PCB-206	48.85		1.0458	1.0451	-2.1	5.54E+06	0.77	0.89	79.3 %	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	44.52		0.9528	0.9526	-0.5	1.05E+07	0.79	1.26	106 %	10%	145%
ES PCB-209	50.60		1.0840	1.0827	-3.9	5.96E+06	1.21	0.98	77.1 %	10%	145%
SS PCB-28	22.07		0.9324	0.9326	+0.3	1.99E+07	1.01	1.04	87.9 %	5%	145%
SS PCB-111	31.93		1.0771	1.0776	+1.0	1.78E+07	1.51	0.98	99 %	10%	145%
SS PCB-178	36.91		1.0099	1.0097	-0.4	6.48E+06	1.05	0.71	87.8 %	10%	145%
CS PCB-28	22.07		0.9324	0.9326	+0.3	1.99E+07	1.01	1.44	63.8 %	5%	145%
CS PCB-111	31.93		1.0771	1.0776	+1.0	1.78E+07	1.51	1.24	72.2 %	10%	145%
CS PCB-178	36.91		1.0099	1.0097	-0.4	6.48E+06	1.05	0.96	49.3 %	10%	145%
JS PCB-9	15.67					3.06E+07	1.56				
JS PCB-52	23.67					2.16E+07	0.74				
JS PCB-101	29.63					1.99E+07	1.56				
JS PCB-138	36.55					1.37E+07	1.28				
JS PCB-194	46.74					7.87E+06	0.91				
Totals						NON-EMPC	EMPC	DL			
Mono-CB						2,720	2,720	6.22			
Di-CB						1,460	1,460	22.1			
Tri-CB						331	456	15.6			
Tetra-CB						494	626	9.52			
Penta-CB						598	840	8.18			
Hexa-CB						587	796	8.07			
Hepta-CB						271	345	11.4			
Octa-CB						11.6	24.5	8.68			
Nona-CB						0	0	31.3			

Lab ID: B9935_21527_PCB_008-CU

ACQ: 17-Oct-2024 08:30:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Field Blank

UTP: 21-Oct-2024 15:33:14 JLJ

J-level: 20 pg Split: 2

Checkcode: 910-748-SRN/C

Datafile: 241016B21

RPT: 23-Oct-2024 11:16 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	11.32	B	1.0012	1.0013	+0.1	1.15E+06	2.94	1.01	279	3.40E+03	6.19
PCB-2 3-MoCB	13.36		0.9879	0.9875	-0.3	3.43E+06	2.78	0.87	886	3.40E+03	7.25
PCB-3 4-MoCB	13.55		1.0010	1.0011	+0.1	7.00E+06	3.01	1.01	1,560	3.40E+03	6.24
PCB-4 22'-DiCB	13.76	B	1.0012	1.0011	-0.1	5.97E+05	1.60	0.98	230	1.24E+04	32.6
PCB-10 26-DiCB	ND		1.0136					1.62	ND	1.24E+04	19.8
PCB-9 25-DiCB	15.68		1.0010	1.0008	-0.2	8.73E+04	SI	0.78	20.8	5.18E+03	14.3
PCB-7 24-DiCB	15.85	J B	1.0112	1.0115	+0.3	5.80E+04	SI	0.72	15	5.18E+03	15.5
PCB-6 23'-DiCB	16.08	B	1.0259	1.0260	+0.1	1.34E+05	SI	0.84	29.8	5.18E+03	13.3
PCB-5 23-DiCB	ND		1.0445					0.68	ND	5.18E+03	16.3
PCB-8 24'-DiCB	16.49	B	1.0520	1.0527	+0.7	1.03E+06	1.46	0.89	216	5.18E+03	12.6
PCB-14 35-DiCB	ND		0.9307					0.72	ND	5.18E+03	15.6
PCB-11 33'-DiCB	18.81	B	0.9711	0.9703	-0.9	3.42E+06	1.50	0.78	810	5.18E+03	14.2
PCB-13/12 34'/34-DiCB	19.07	C	0.9858	0.9836	-2.5	2.16E+05	SI	0.71	56.1	5.18E+03	15.7
PCB-15 44'-DiCB	19.39	B	1.0007	1.0001	-0.7	4.58E+05	1.33	0.97	88	5.18E+03	11.6
PCB-19 22'6-TrCB	16.77	EMPC	1.0011	1.0014	+0.3	7.23E+04	0.59	1.03	22.7	6.06E+03	14.7
PCB-30/18 246/22'5-TrCB	18.49	B C	1.1030	1.1044	+1.6	3.28E+05	1.08	1.62	65.5	6.06E+03	9.37
PCB-17 22'4-TrCB	18.87	B	1.1270	1.1273	+0.3	1.95E+05	0.94	1.11	57.3	6.06E+03	13.7
PCB-27 23'6-TrCB	19.08	J EMPC	1.1387	1.1398	+1.3	5.74E+04	0.88	1.52	12.2	6.06E+03	9.98
PCB-24 236-TrCB	ND		1.1462					1.55	ND	6.06E+03	9.79
PCB-16 22'3-TrCB	19.30		1.1524	1.1530	+0.7	1.26E+05	1.14	1.16	35.4	6.06E+03	13.2
PCB-32 24'6-TrCB	19.77	B	1.1803	1.1807	+0.5	2.03E+05	1.01	1.73	38.2	6.06E+03	8.81
PCB-34 23'5'-TrCB	ND		0.8163					0.91	ND	7.51E+03	18.8
PCB-23 235-TrCB	ND		0.8218					0.98	ND	7.51E+03	17.4
PCB-26/29 23'5/245-TrCB	ND	C	0.8330					0.96	ND	7.51E+03	17.8
PCB-25 23'4-TrCB	21.55	J	0.8409	0.8394	-1.9	7.72E+04	1.08	1.18	12	7.51E+03	14.5
PCB-31 24'5-TrCB	21.83	B EMPC	0.8517	0.8504	-1.7	3.43E+05	1.20	1.15	54.7	7.51E+03	14.9
PCB-28/20 244'/233'-TrCB	22.09	B C	0.8626	0.8606	-2.7	4.62E+05	1.02	1.04	81.3	7.51E+03	16.4
PCB-21/33 234/23'4'-TrCB	22.30	J B EMPC C	0.8696	0.8686	-1.3	1.98E+05	0.84	1.03	35.2	7.51E+03	16.6
PCB-22 234'-TrCB	22.68	B	0.8845	0.8835	-1.4	1.68E+05	1.10	1.11	27.7	7.51E+03	15.4
PCB-36 33'5-TrCB	ND		0.9378					1.11	ND	7.51E+03	15.3
PCB-39 34'5-TrCB	ND		0.9504					1.00	ND	7.51E+03	17.2
PCB-38 345-TrCB	ND		0.9706					1.02	ND	7.51E+03	16.8
PCB-35 33'4-TrCB	ND		0.9865					0.97	ND	7.51E+03	17.7
PCB-37 344'-TrCB	25.67	J	1.0007	1.0001	-0.9	7.80E+04	1.17	1.03	13.8	7.51E+03	16.5
PCB-54 22'66'-TeCB	ND		1.0010					1.09	ND	2.32E+03	8.49
PCB-50/53 22'46/22'56'-TeCB	21.56	J C	0.9120	0.9109	-1.4	8.05E+04	0.81	0.91	17.6	2.97E+03	8.01
PCB-45 22'36-TeCB	22.21	B EMPC	0.9369	0.9381	+1.6	1.18E+05	1.17	0.63	37.1	2.97E+03	11.6
PCB-51 22'46'-TeCB	ND		0.9395					1.06	ND	2.97E+03	6.94
PCB-46 22'36'-TeCB	22.46	J EMPC	0.9488	0.9490	+0.3	1.80E+04	1.41	0.73	4.93	2.97E+03	10.1
PCB-52 22'55'-TeCB	23.69	B	1.0010	1.0010	0	6.28E+05	0.67	0.97	129	2.97E+03	7.53
PCB-73 23'5'6-TeCB	ND		1.0061					1.21	ND	2.97E+03	6.07

Lab ID: B9935_21527_PCB_008-CU

ACQ: 17-Oct-2024 08:30:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Field Blank

UTP: 21-Oct-2024 15:33:14 JLJ

J-level: 20 pg Split: 2

Checkcode: 910-748-SRN/C

Datafile: 241016B21

RPT: 23-Oct-2024 11:16 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	ND		1.0100					0.91	ND	2.97E+03	8.03
PCB-69/49 23'46/22'45'-TeCB	24.13	B C	1.0181	1.0195	+2.0	2.87E+05	0.85	1.03	55.7	2.97E+03	7.11
PCB-48 22'45'-TeCB	24.38	J B EMPC	1.0299	1.0298	-0.1	4.53E+04	1.20	0.86	10.5	2.97E+03	8.5
PCB-44/47/65 ...-TeCB	24.60	B C	1.0391	1.0393	+0.3	7.21E+05	0.80	0.99	146	2.97E+03	7.41
PCB-59/62/75 ...-TeCB	24.88	J EMPC C	1.0505	1.0512	+1.0	3.32E+04	0.54	1.12	5.94	2.97E+03	6.55
PCB-42 22'34'-TeCB	25.06	J EMPC	1.0580	1.0585	+0.8	6.71E+04	1.15	0.79	17	2.97E+03	9.26
PCB-41 22'34'-TeCB	ND		1.0720					0.65	ND	2.97E+03	11.2
PCB-71/40 23'4'6/22'33'-TeCB	25.49	J B C	1.0761	1.0767	+0.9	1.40E+05	0.67	0.96	29	2.97E+03	7.61
PCB-64 234'6'-TeCB	25.68	B	1.0844	1.0848	+0.6	1.73E+05	0.73	1.15	30.1	2.97E+03	6.37
PCB-72 23'55'-TeCB	ND		0.8391					0.91	ND	4.58E+03	12.4
PCB-68 23'45'-TeCB	ND		0.8471					0.88	ND	4.58E+03	12.9
PCB-57 233'5'-TeCB	ND		0.8589					0.93	ND	4.58E+03	12.1
PCB-58 233'5'-TeCB	ND		0.8655					1.04	ND	4.58E+03	10.8
PCB-67 23'45'-TeCB	ND		0.8702					1.08	ND	4.58E+03	10.4
PCB-63 234'5'-TeCB	ND		0.8775					0.85	ND	4.58E+03	13.3
PCB-61/70/74/76 ...-TeCB	27.91	B C	0.8867	0.8859	-1.3	4.21E+05	0.86	0.97	86.7	4.58E+03	11.6
PCB-66 23'44'-TeCB	28.19	B EMPC	0.8958	0.8949	-1.5	1.95E+05	0.66	0.98	39.7	4.58E+03	11.5
PCB-55 233'4'-TeCB	ND		0.9006					1.01	ND	4.58E+03	11.2
PCB-56 233'4'-TeCB	28.79	J EMPC	0.9145	0.9138	-1.2	8.38E+04	0.96	0.96	17.5	4.58E+03	11.8
PCB-60 2344'-TeCB	ND		0.9206					0.83	ND	4.58E+03	13.7
PCB-80 33'55'-TeCB	ND		0.9306					0.95	ND	4.58E+03	11.9
PCB-79 33'45'-TeCB	ND		0.9730					1.03	ND	4.58E+03	11
PCB-78 33'45'-TeCB	ND		0.9884					0.85	ND	4.58E+03	13.2
PCB-104 22'466'-PeCB	ND		1.0009					1.00	ND	3.40E+03	11.1
PCB-96 22'366'-PeCB	ND		1.0146					1.11	ND	3.40E+03	9.94
PCB-103 22'45'6'-PeCB	ND		0.8960					0.84	ND	2.79E+03	7.78
PCB-94 22'356'-PeCB	ND		0.9027					0.71	ND	2.79E+03	9.22
PCB-95 22'35'6'-PeCB	27.13	B EMPC	0.9159	0.9154	-0.8	4.01E+05	0.49	0.80	110	2.79E+03	8.21
PCB-100/93 22'44'6/22'356'-PeCB	ND	C	0.9223					0.79	ND	2.79E+03	8.29
PCB-102 22'456'-PeCB	ND		0.9261					0.92	ND	2.79E+03	7.14
PCB-98 22'34'6'-PeCB	ND		0.9284					0.92	ND	2.79E+03	7.14
PCB-88 22'346'-PeCB	ND		0.9386					0.76	ND	2.79E+03	8.59
PCB-91 22'34'6'-PeCB	27.89	J	0.9411	0.9410	-0.2	6.29E+04	0.60	0.80	17.2	2.79E+03	8.23
PCB-84 22'33'6'-PeCB	28.09	B	0.9479	0.9479	0	1.53E+05	0.61	0.67	49.5	2.79E+03	9.74
PCB-89 22'346'-PeCB	ND		0.9617					0.81	ND	2.79E+03	8.14
PCB-121 23'45'6'-PeCB	ND		0.9725					1.20	ND	2.79E+03	5.45
PCB-92 22'355'-PeCB	29.15	B EMPC	0.9838	0.9836	-0.3	8.66E+04	0.49	0.76	25.1	2.79E+03	8.69
PCB-113/90/101 ...-PeCB	29.66	B C	1.0000	1.0008	+1.4	5.86E+05	0.70	0.88	145	2.79E+03	7.42
PCB-83 22'33'5'-PeCB	ND		1.0148					0.63	ND	2.79E+03	10.4
PCB-99 22'44'5'-PeCB	30.16	B EMPC	1.0176	1.0178	+0.4	1.96E+05	0.48	1.01	42.3	2.79E+03	6.47
PCB-112 233'56'-PeCB	ND		1.0213					1.30	ND	2.79E+03	5.04

Lab ID: B9935_21527_PCB_008-CU

ACQ: 17-Oct-2024 08:30:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

Client ID: Field Blank

UTP: 21-Oct-2024 15:33:14 JLJ

J-level: 20 pg Split: 2

Checkcode: 910-748-SRN/C

Datafile: 241016B21

RPT: 23-Oct-2024 11:16 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	30.65	J B C	1.0330	1.0342	+2.2	4.29E+05	0.60	0.95	99	2.79E+03	6.93
PCB-117 234'56-PeCB	31.16	J EMPC	1.0509	1.0516	+1.3	2.54E+04	0.93	1.01	5.48	2.79E+03	6.48
PCB-116/85 23456/22'344'-PeCB	31.24	J B C	1.0538	1.0541	+0.6	8.08E+04	0.62	0.87	20.4	2.79E+03	7.57
PCB-110 233'4'6-PeCB	31.38	B	1.0582	1.0590	+1.5	7.70E+05	0.65	1.05	161	2.79E+03	6.28
PCB-115 2344'6-PeCB	ND		1.0605					1.30	ND	2.79E+03	5.03
PCB-82 22'33'4-PeCB	31.66	J EMPC	1.0679	1.0682	+0.6	4.39E+04	0.72	0.76	12.7	2.79E+03	8.66
PCB-111 233'55'-PeCB	ND		1.0779					1.03	ND	2.79E+03	6.35
PCB-120 23'455'-PeCB	ND		1.0913					1.23	ND	2.79E+03	5.32
PCB-108/124 ...-PeCB	ND	C	0.9915					0.98	ND	2.79E+03	6.72
PCB-107 233'4'5-PeCB	ND		0.9976					1.10	ND	2.79E+03	5.99
PCB-106 233'45-PeCB	ND		1.0039					1.06	ND	2.79E+03	6.22
PCB-122 233'4'5'-PeCB	ND		1.0095					0.83	ND	2.79E+03	7.84
PCB-127 33'455'-PeCB	ND		1.0357					1.02	ND	2.79E+03	6.01
PCB-155 22'44'66'-HxCB	ND		1.0007					0.95	ND	3.00E+03	7.02
PCB-152 22'3566'-HxCB	ND		1.0072					1.15	ND	3.00E+03	5.84
PCB-150 22'34'66'-HxCB	ND		1.0118					1.01	ND	3.00E+03	6.61
PCB-136 22'33'66'-HxCB	30.10	EMPC	1.0228	1.0234	+1.1	1.08E+05	1.51	0.91	28.3	3.00E+03	7.34
PCB-145 22'3466'-HxCB	ND		1.0313					1.05	ND	3.00E+03	6.39
PCB-148 22'34'56'-HxCB	ND		1.0741					1.11	ND	3.00E+03	8.71
PCB-151/135 ...-HxCB	32.15	B C	1.0925	1.0930	+1.0	2.83E+05	1.31	1.08	77.4	3.00E+03	8.96
PCB-154 22'44'56'-HxCB	ND		1.0987					1.16	ND	3.00E+03	8.38
PCB-144 22'345'6-HxCB	32.63	J EMPC	1.1082	1.1093	+2.2	3.75E+04	1.49	1.05	10.6	3.00E+03	9.25
PCB-147/149 ...-HxCB	32.93	B C	1.1186	1.1195	+1.8	5.86E+05	1.29	1.13	153	3.00E+03	8.55
PCB-134 22'33'56-HxCB	ND		1.1248					0.75	ND	3.00E+03	13
PCB-143 22'3456'-HxCB	ND		1.1273					1.07	ND	3.00E+03	9.09
PCB-139/140 ...-HxCB	ND	C	1.1359					1.09	ND	3.00E+03	8.89
PCB-131 22'33'46-HxCB	ND		1.1421					0.95	ND	3.00E+03	10.2
PCB-142 22'3456-HxCB	ND		1.1468					0.93	ND	3.00E+03	10.4
PCB-132 22'33'46'-HxCB	34.02	B EMPC	1.1554	1.1567	+2.7	1.61E+05	1.58	0.95	50.1	3.00E+03	10.2
PCB-133 22'33'55'-HxCB	ND		1.1687					1.07	ND	3.00E+03	9.1
PCB-165 233'55'6-HxCB	ND		0.9511					1.17	ND	3.00E+03	8.31
PCB-146 22'34'55'-HxCB	34.96		0.9569	0.9564	-1.0	9.58E+04	1.11	1.18	24.1	3.00E+03	8.24
PCB-161 233'45'6-HxCB	ND		0.9601					1.38	ND	3.00E+03	7.01
PCB-153/168 ...-HxCB	35.49	B C	0.9717	0.9709	-1.7	6.05E+05	1.18	1.26	142	3.00E+03	7.71
PCB-141 22'3455'-HxCB	35.68	EMPC	0.9761	0.9760	-0.2	1.28E+05	1.47	0.94	40.3	3.00E+03	10.3
PCB-130 22'33'45'-HxCB	36.03	J EMPC	0.9856	0.9856	0	3.08E+04	0.96	0.78	11.7	3.00E+03	12.5
PCB-137 22'344'5-HxCB	ND		0.9907					0.93	ND	3.00E+03	10.5
PCB-164 233'4'5'6-HxCB	ND		0.9933					1.27	ND	3.00E+03	7.62
PCB-163/138/129 ...-HxCB	36.58	B C	1.0011	1.0008	-0.7	6.19E+05	1.18	0.96	190	3.00E+03	10.1
PCB-160 233'456-HxCB	ND		1.0047					1.21	ND	3.00E+03	8.01
PCB-158 233'44'6-HxCB	36.92	J EMPC	1.0097	1.0099	+0.4	5.79E+04	0.93	1.29	13.3	3.00E+03	7.53

Lab ID: B9935_21527_PCB_008-CU

ACQ: 17-Oct-2024 08:30:05 JLJ

Wt/Vol: 1

ICAL: HRMS2_PCB_03MAY2024 CS3_241016_PCB_BD

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RPT: 23-Oct-2024 11:16 JJ

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

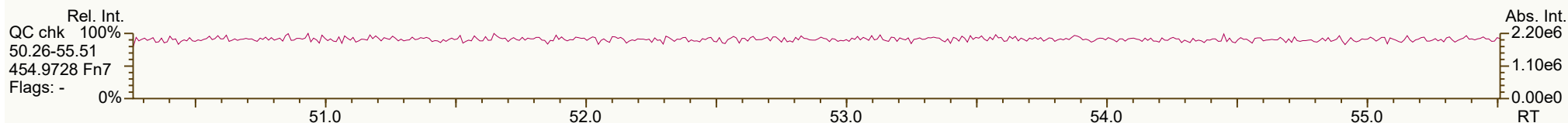
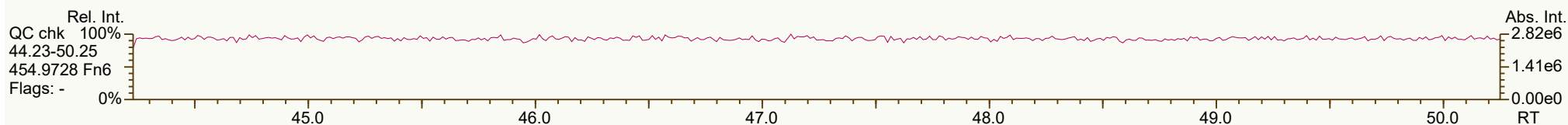
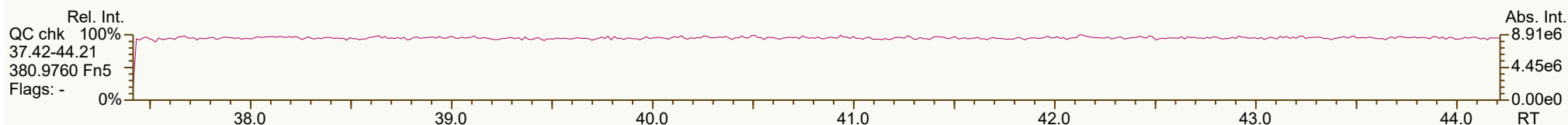
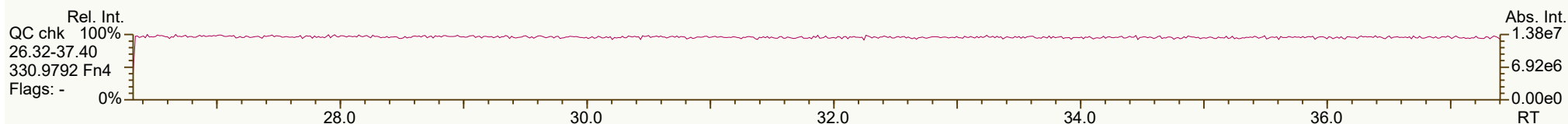
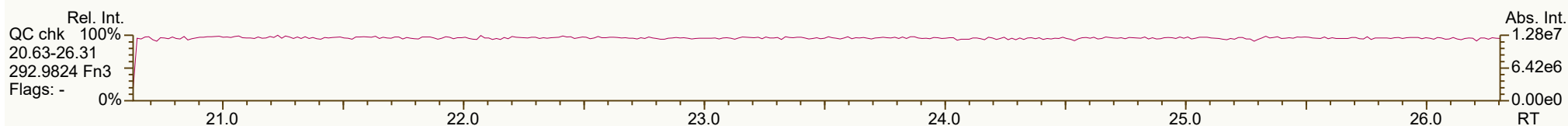
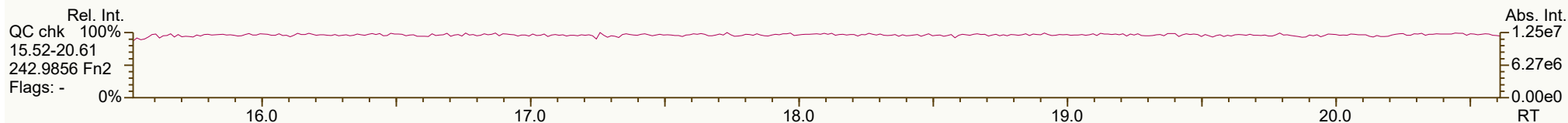
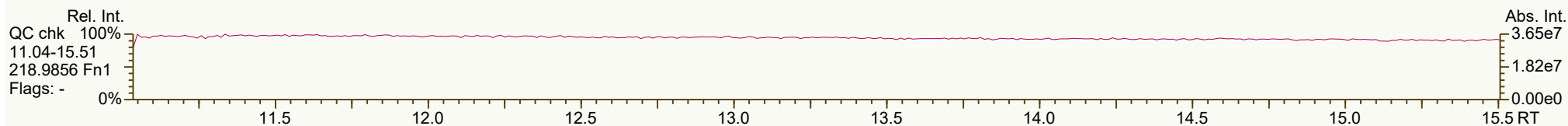
Method 1668C

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	37.68	J B EMPC C	0.9631	0.9634	+0.7	8.34E+04	1.90	0.92	22.7	2.22E+03	6.42
PCB-159 233'455'-HxCB	ND		0.9839					1.16	ND	2.22E+03	5.1
PCB-162 233'4'55'-HxCB	ND		0.9901					0.97	ND	2.22E+03	6.14
PCB-188 22'34'566'-HpCB	ND		1.0006					0.96	ND	1.90E+03	7.05
PCB-179 22'33'566'-HpCB	34.65	EMPC	1.0095	1.0097	+0.4	9.29E+04	1.26	1.24	28.8	1.90E+03	5.5
PCB-184 22'344'66'-HpCB	ND		1.0221					1.13	ND	1.90E+03	6.03
PCB-176 22'33'466'-HpCB	ND		1.0313					1.05	ND	1.90E+03	6.47
PCB-186 22'34566'-HpCB	ND		1.0428					1.22	ND	1.90E+03	5.58
PCB-178 22'33'55'6'-HpCB	ND		1.0758					0.79	ND	1.90E+03	8.65
PCB-175 22'33'45'6'-HpCB	ND		1.0915					1.00	ND	3.74E+03	13.5
PCB-187 22'34'55'6'-HpCB	37.71	B	1.0982	1.0989	+1.6	2.65E+05	0.99	1.33	70.9	3.74E+03	10.1
PCB-182 22'344'56'-HpCB	ND		1.1032					1.32	ND	3.74E+03	10.2
PCB-183 22'344'5'6'-HpCB	38.22		1.1133	1.1139	+1.4	1.30E+05	1.12	1.15	40.4	3.74E+03	11.8
PCB-185 22'3455'6'-HpCB	ND		1.1161					1.03	ND	3.74E+03	13.1
PCB-174 22'33'456'-HpCB	38.44	B EMPC	1.1195	1.1204	+2.1	1.40E+05	0.75	1.11	44.8	3.74E+03	12.2
PCB-177 22'33'45'6'-HpCB	38.82		1.1304	1.1315	+2.6	7.84E+04	1.02	1.09	25.5	3.74E+03	12.3
PCB-181 22'344'56-HpCB	ND		1.1402					1.15	ND	3.74E+03	11.7
PCB-171/173 ...-HpCB	ND	C	1.1458					0.99	ND	3.74E+03	13.7
PCB-172 22'33'455'-HpCB	ND		0.9058					0.95	ND	3.74E+03	14.2
PCB-192 233'455'6'-HpCB	ND		0.9112					1.34	ND	3.74E+03	10.1
PCB-180/193 ...-HpCB	41.26	B C	0.9175	0.9175	0	2.78E+05	1.07	1.13	87.5	3.74E+03	12
PCB-191 233'44'5'6'-HpCB	ND		0.9247					1.16	ND	3.74E+03	11.7
PCB-170 22'33'44'5'-HpCB	42.35		0.9422	0.9418	-1.0	1.05E+05	1.18	1.03	47	3.74E+03	17.8
PCB-190 233'44'56-HpCB	ND		0.9521					1.41	ND	3.74E+03	13
PCB-202 22'33'55'66'-OoCB	38.87	J	1.0006	0.9999	-1.6	2.97E+04	0.85	0.96	11.6	2.28E+03	8
PCB-201 22'33'45'66'-OoCB	ND		1.0206					0.90	ND	2.28E+03	8.5
PCB-204 22'344'566'-OoCB	ND		1.0353					1.04	ND	2.28E+03	7.36
PCB-197 22'33'44'66'-OoCB	ND		1.0403					0.97	ND	2.28E+03	7.9
PCB-200 22'33'4566'-OoCB	ND		1.0430					0.88	ND	2.28E+03	8.72
PCB-198/199 ...-OoCB	42.90	J EMPC C	1.1028	1.1036	+2.1	2.57E+04	0.45	0.74	13	2.28E+03	10.4
PCB-196 22'33'44'56'-OoCB	ND		1.1176					0.63	ND	2.28E+03	12.1
PCB-203 22'344'55'6-OoCB	ND		1.1219					0.77	ND	2.28E+03	9.91
PCB-195 22'33'44'56-OoCB	ND		0.9493					0.89	ND	1.71E+03	9.71
PCB-194 22'33'44'55'-OoCB	ND		0.9912					0.87	ND	1.71E+03	9.87
PCB-205 233'44'55'6-OoCB	ND		1.0004					0.92	ND	1.71E+03	9.36
PCB-208 22'33'455'66'-NoCB	ND		1.0005					0.96	ND	4.82E+03	20.6
PCB-207 22'33'44'566'-NoCB	ND		1.0181					0.96	ND	4.82E+03	20.6
PCB-206 22'33'44'55'6-NoCB	ND		1.0005					0.93	ND	4.82E+03	41.9
AS PCB-32	19.752		1.2602	1.2607	+0.6	2.05E+07	1.10	0.84	79.3 %	50%	150%
AS PCB-97	30.583		1.0318	1.032	+0.4	1.52E+07	1.53	0.85	89.5 %	50%	150%
AS PCB-159	38.458		1.0518	1.0521	+0.7	1.73E+07	1.25	1.16	109 %	50%	150%

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
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Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



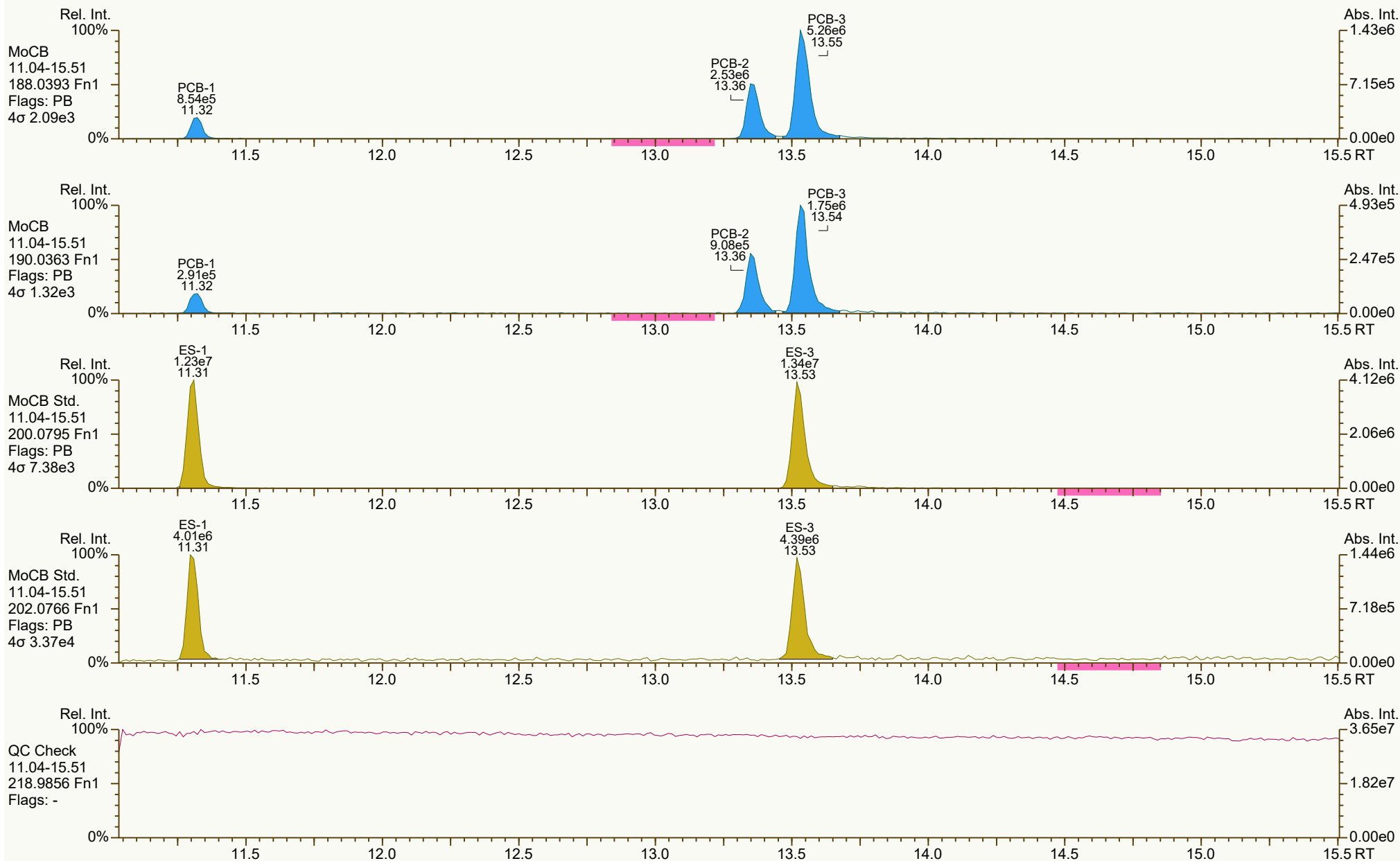
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 23-Oct-2024 11:18 Page 1 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

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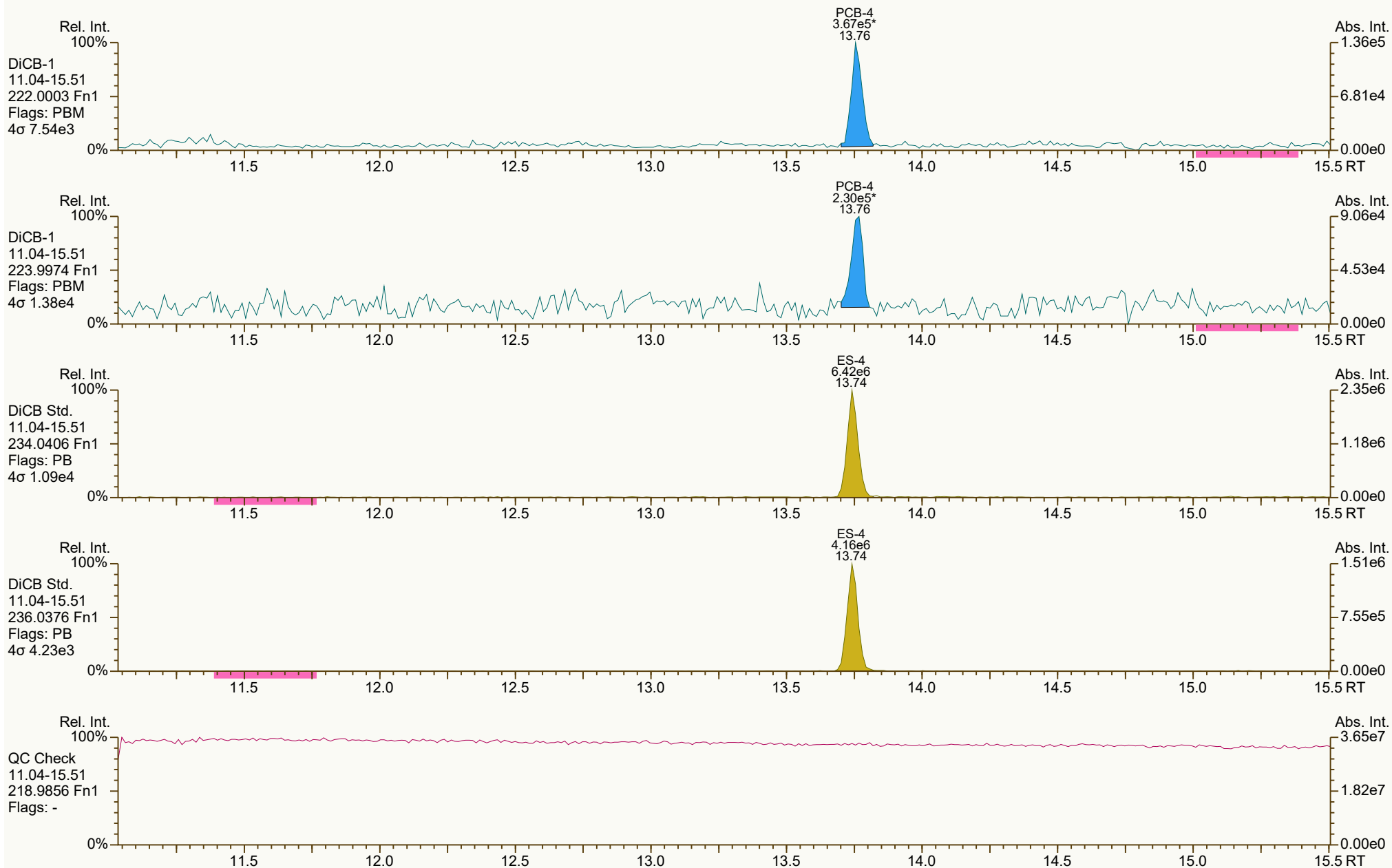
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Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:51 (JLJ) Printed: 23-Oct-2024 11:18 Page 2 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
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Peak annotation: Areas, Centroids
Revised: 21-Oct-2024 14:45 (JLJ) Printed: 23-Oct-2024 11:18 Page 3 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
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Acq: 17-Oct-2024 08:30:05
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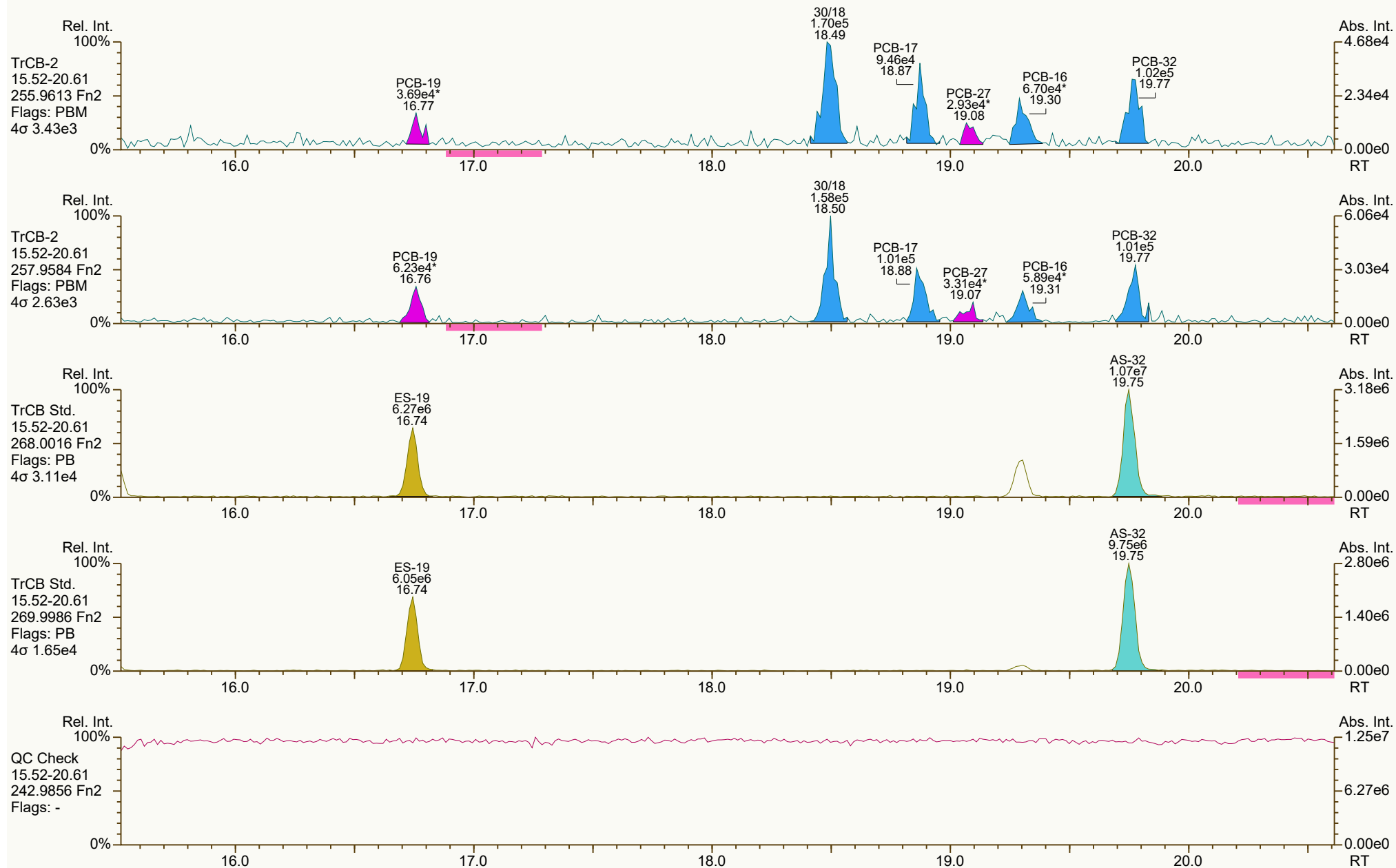
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 4 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 5 of 21

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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 6 of 21

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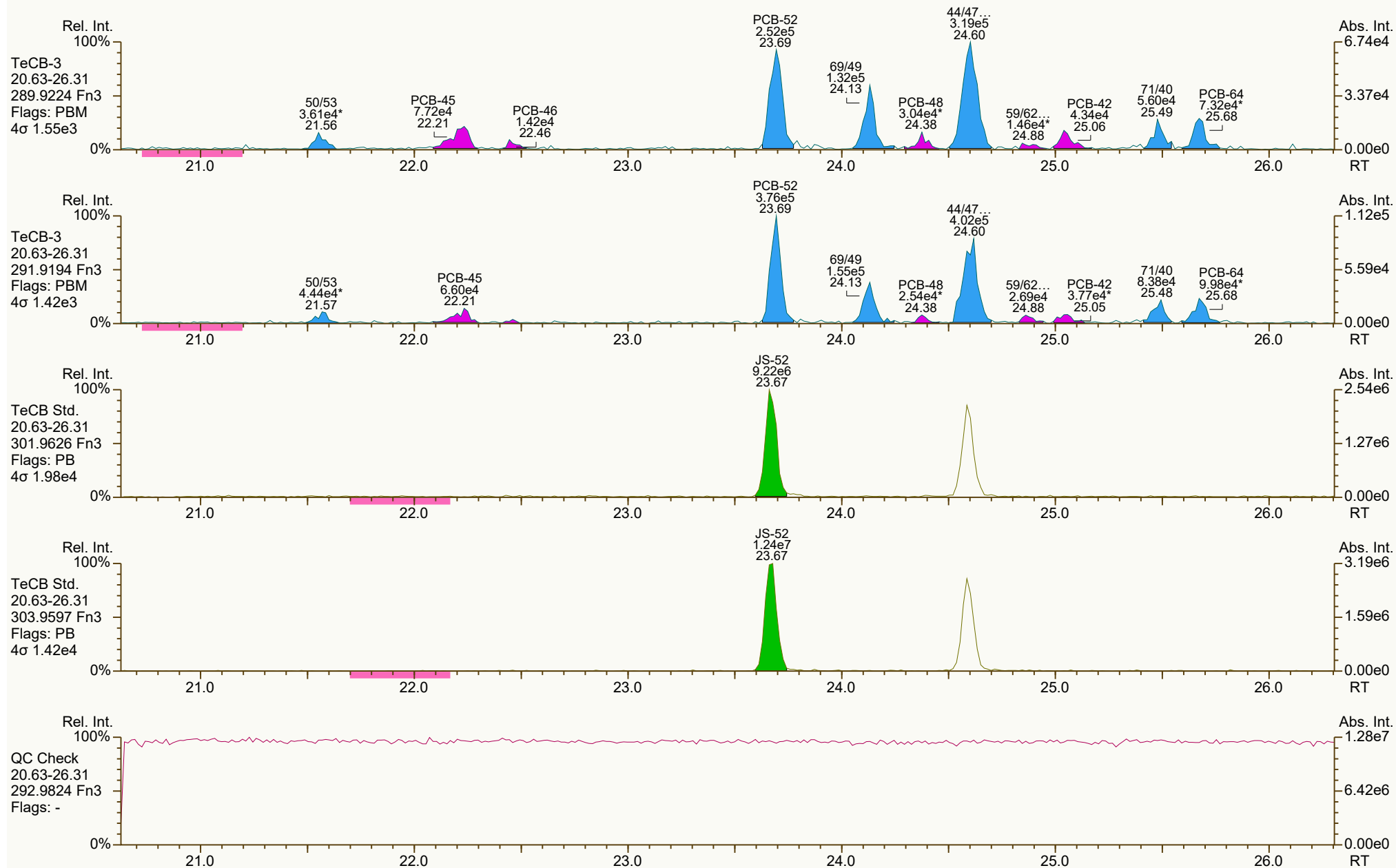
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 9979, 3748 scc: 910-748

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 7 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



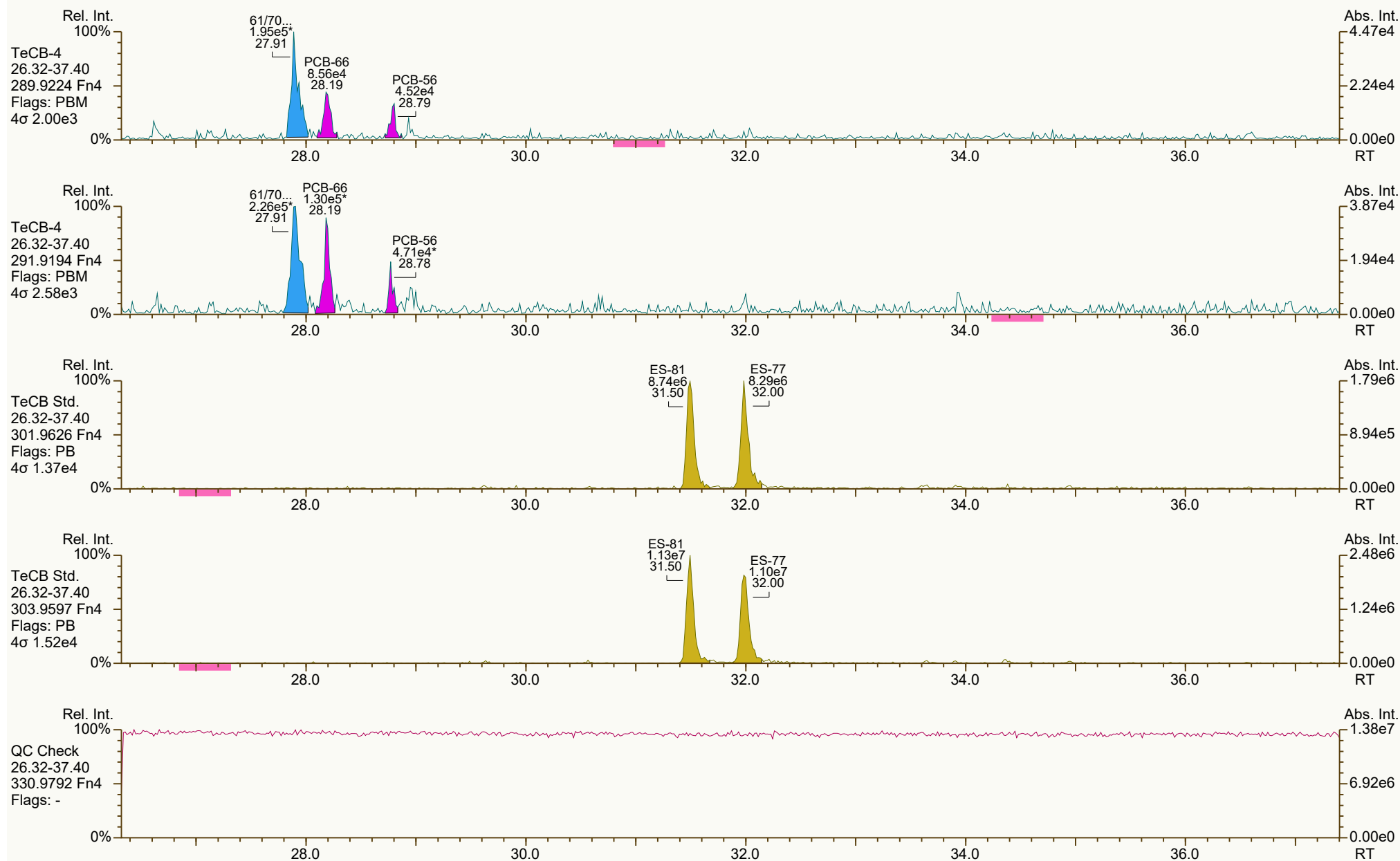
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 8 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 9 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



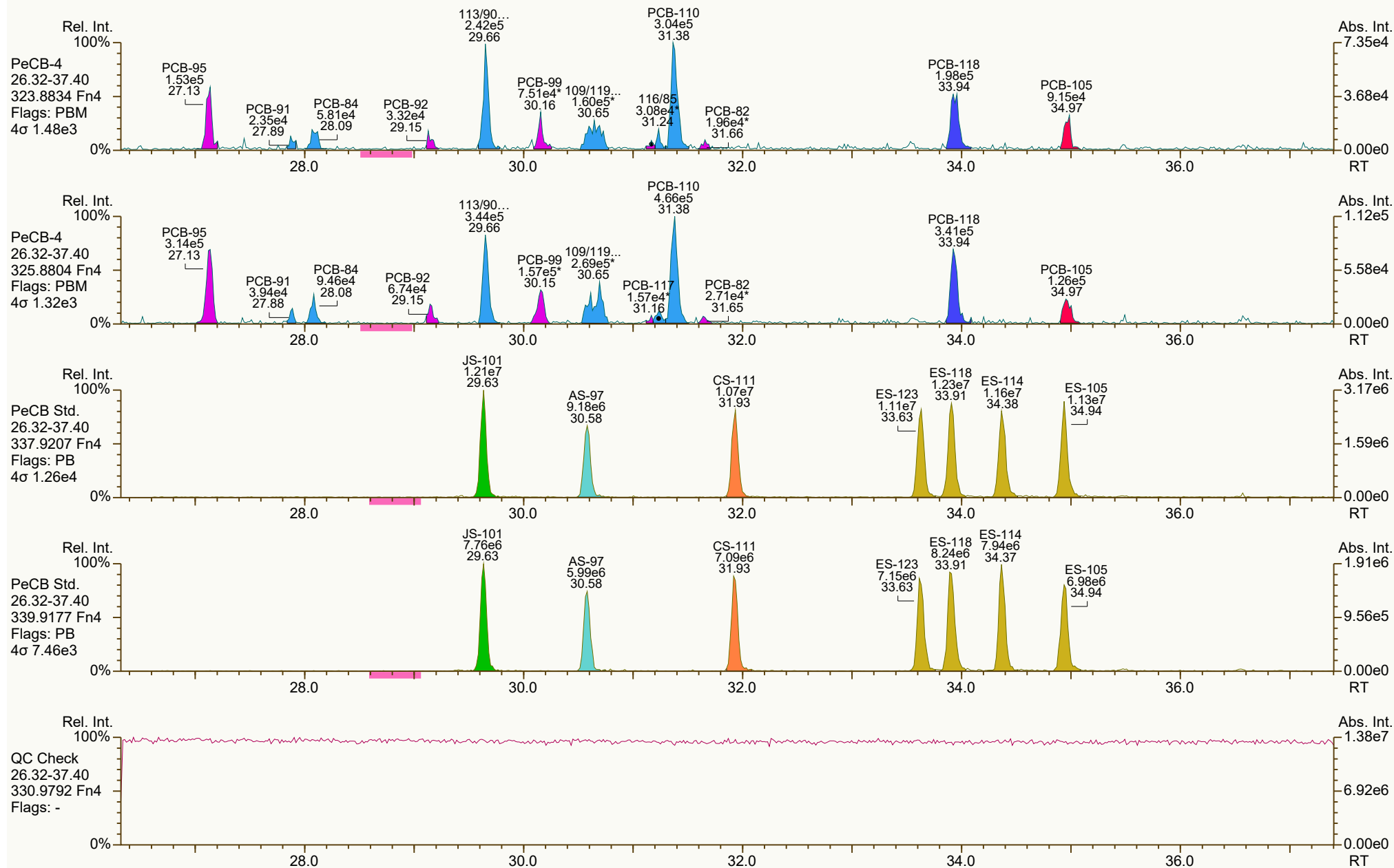
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5918, 5195 scc: 910-748

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 10 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



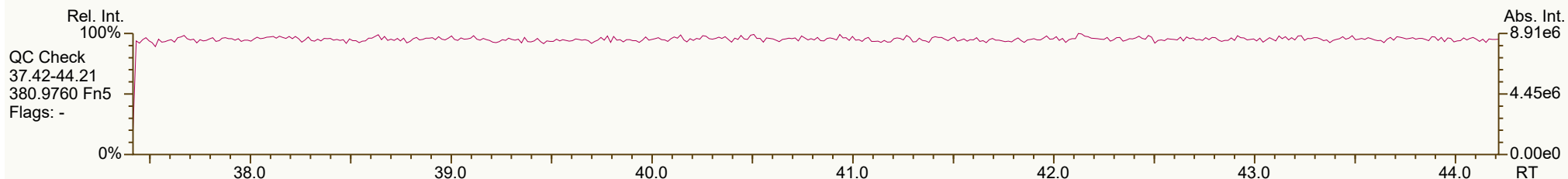
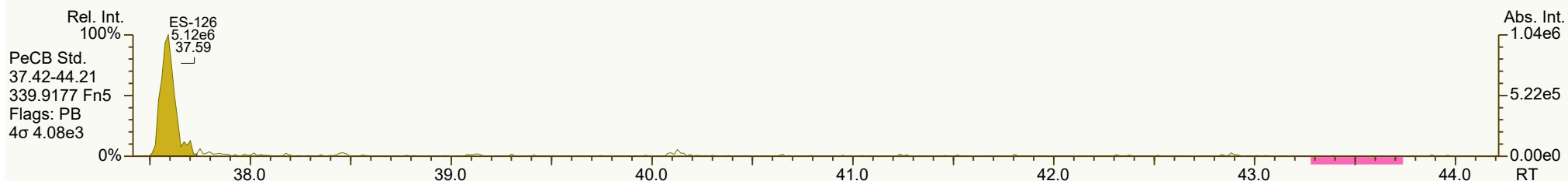
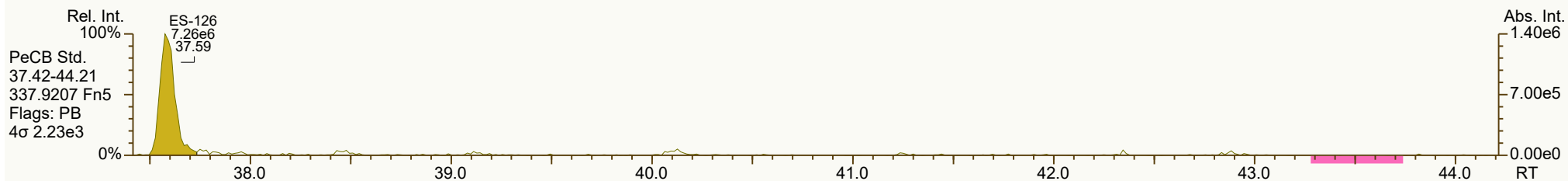
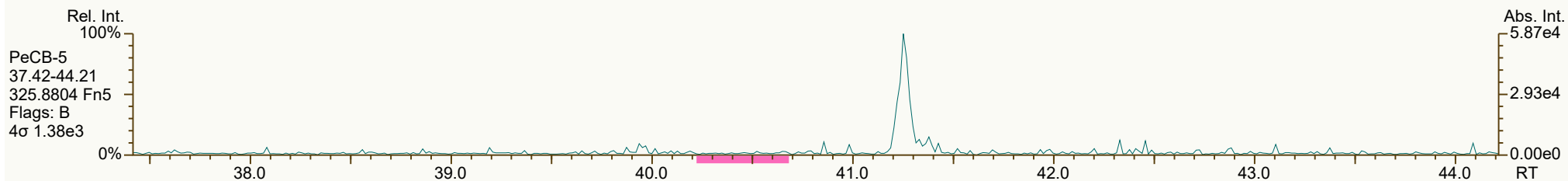
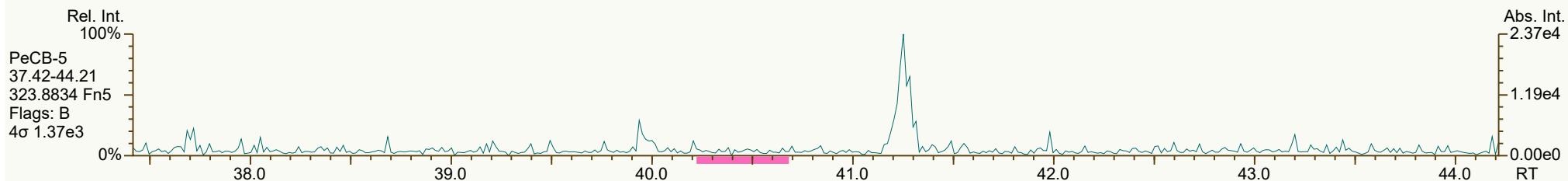
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 11 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

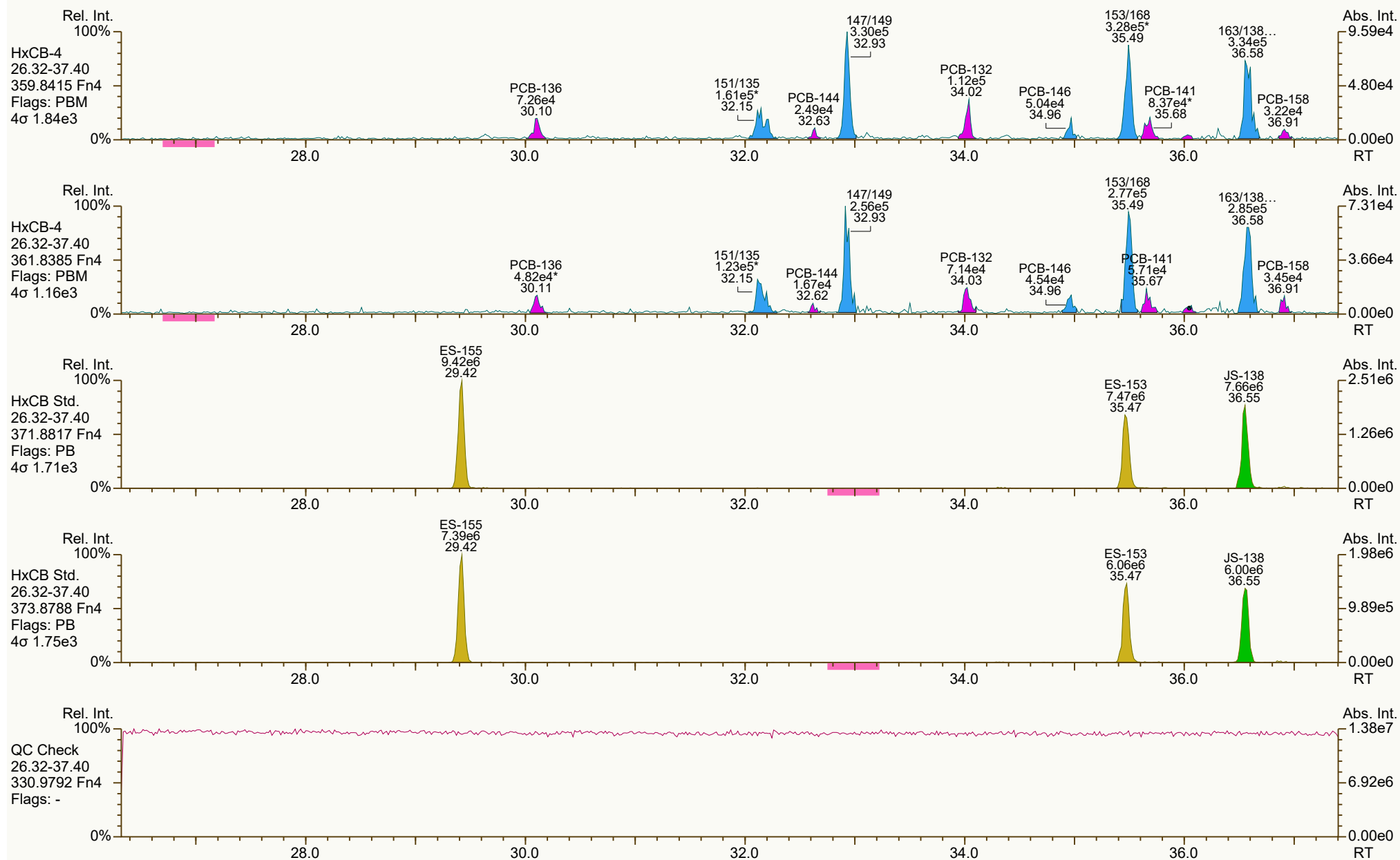
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User: JLJ Datafile: 241016B21



SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_008-CU.utp_res, saved 21-Oct-2024 15:41 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 1205, 3594 scc: 910-748

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 13 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



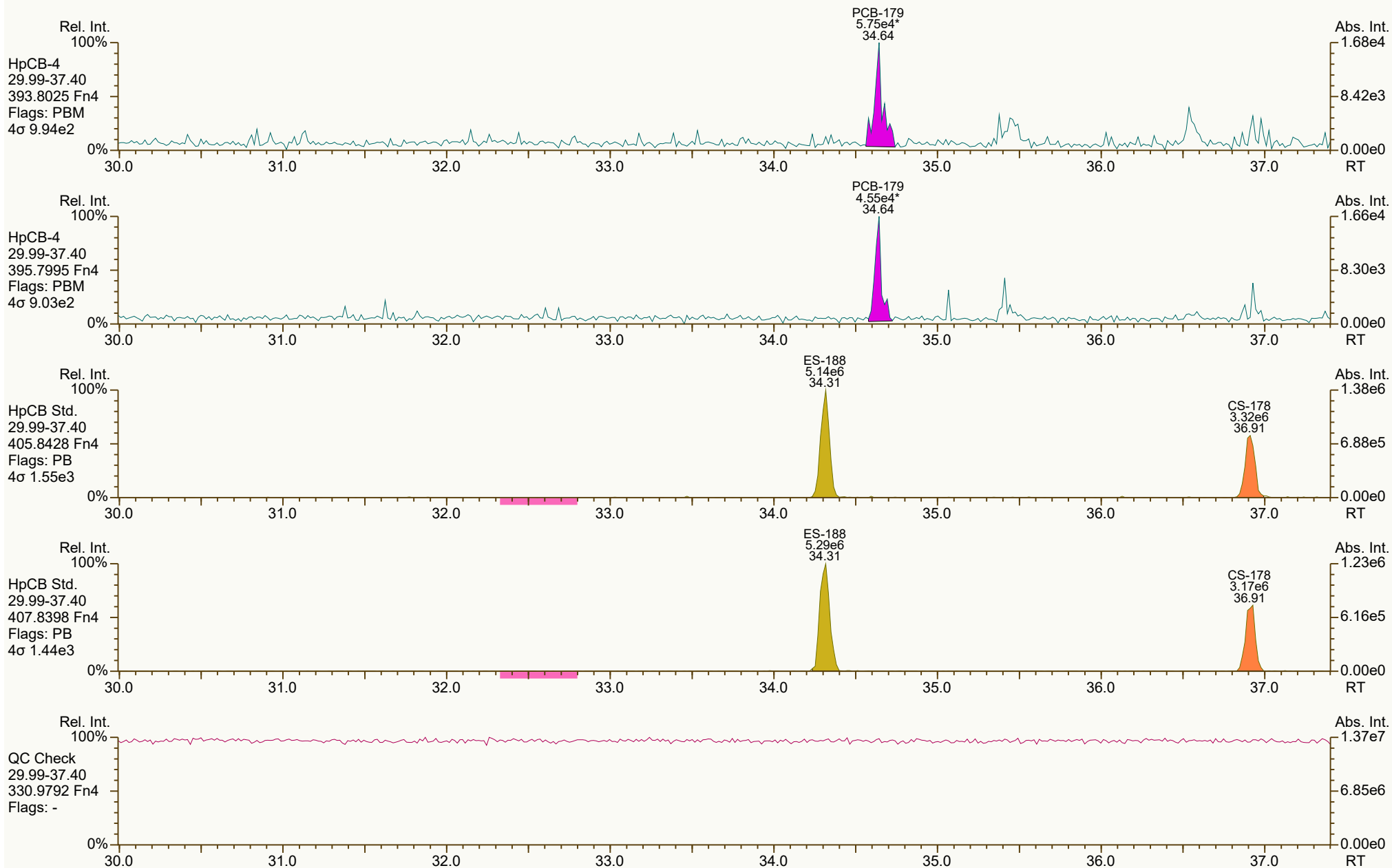
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8957, 6254 scc: 910-748

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 14 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



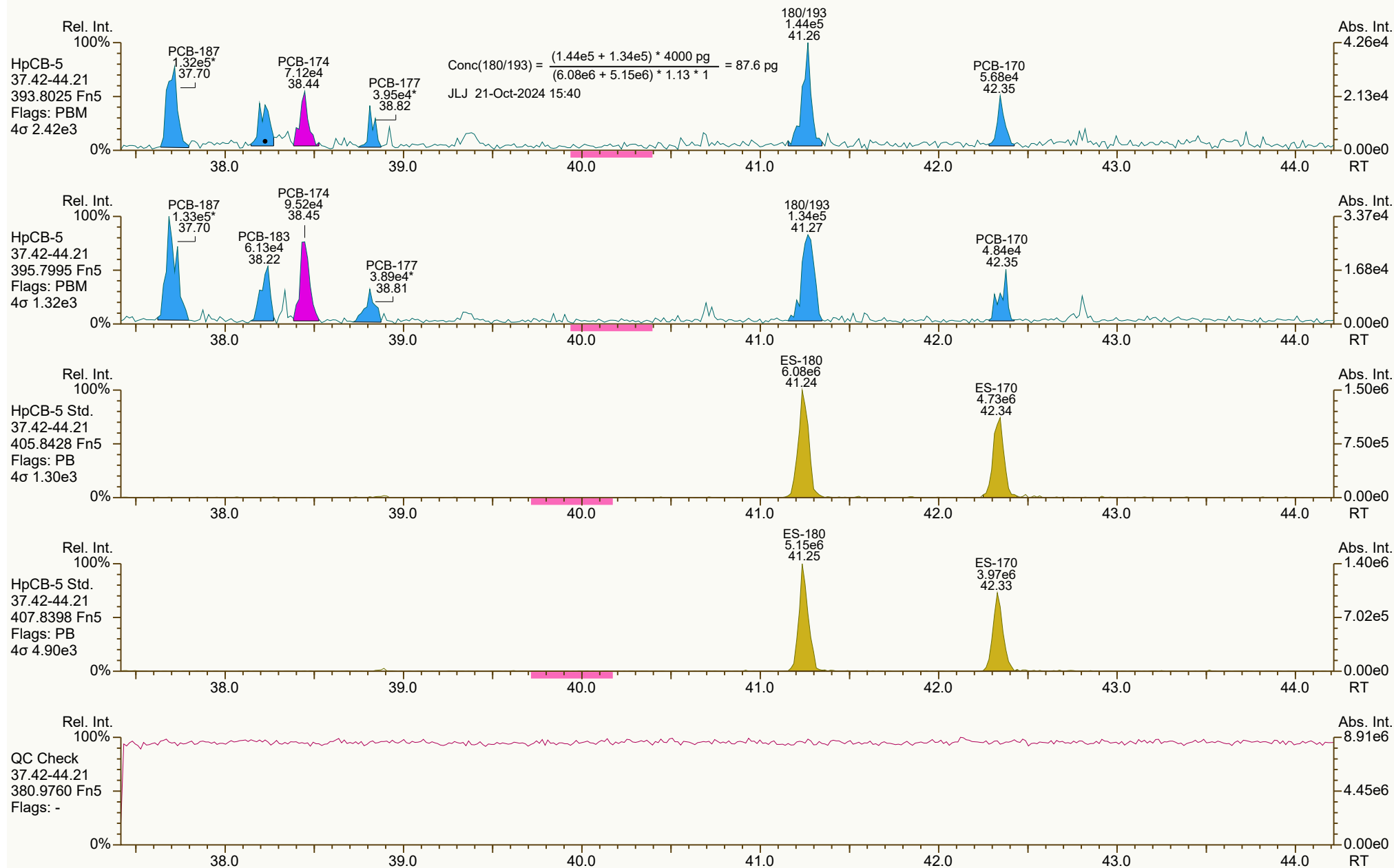
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 4335, 7570 scc: 910-748

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 15 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_008-CU.utp_res, saved 21-Oct-2024 15:41 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5912, 0583 scc: 910-748

Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 16 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 17 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 18 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



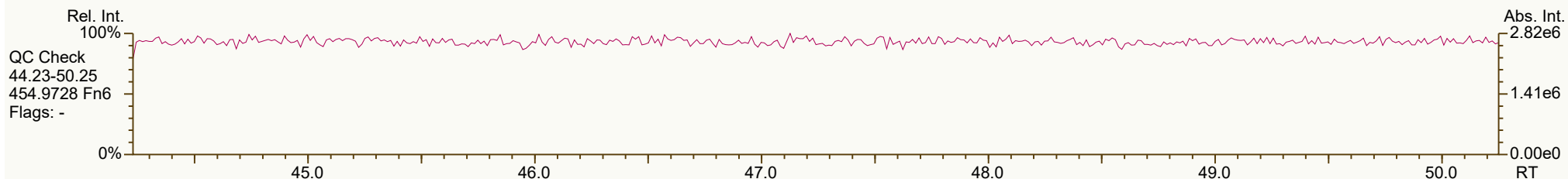
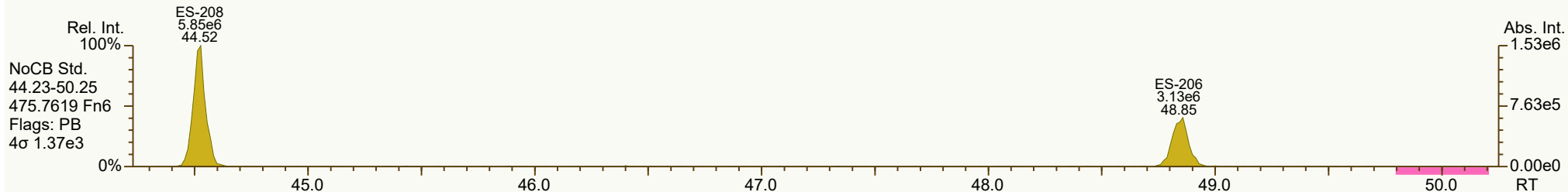
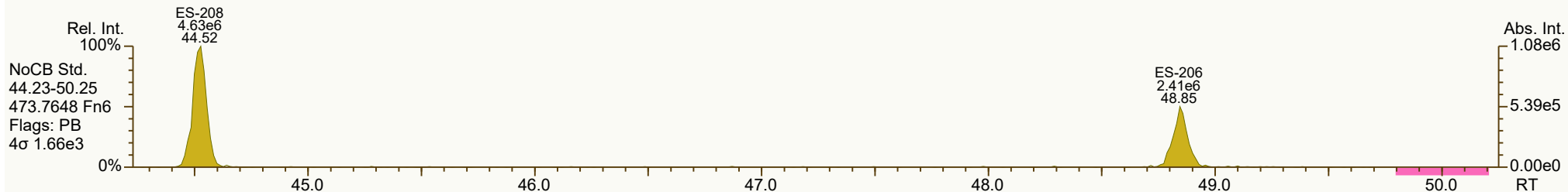
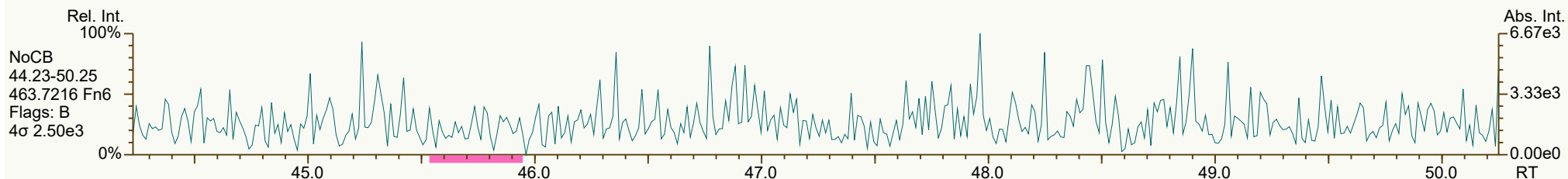
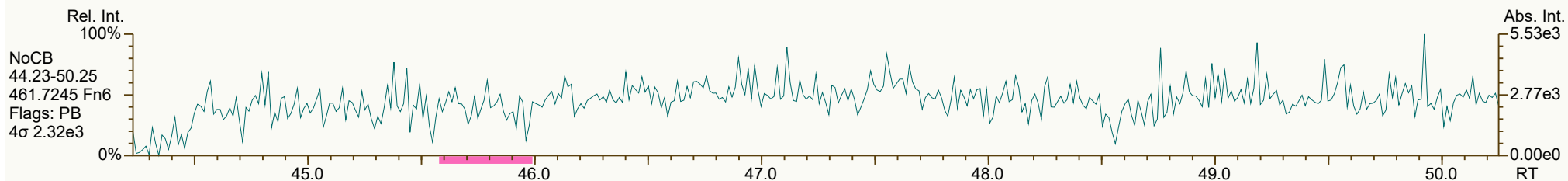
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Peak annotation: Areas, Centroids
PKD: 21-Oct-2024 15:31 Printed: 23-Oct-2024 11:18 Page 19 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



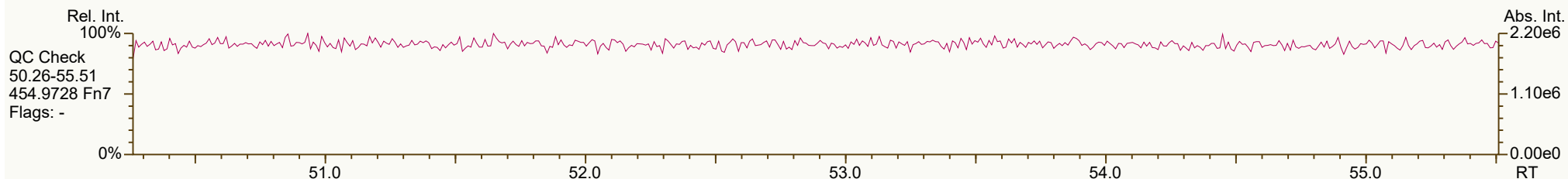
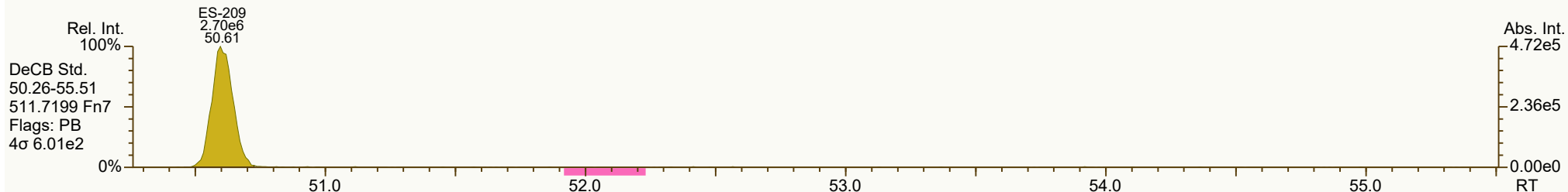
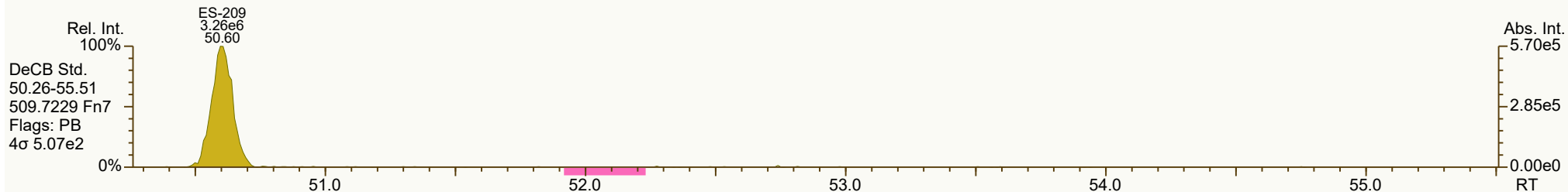
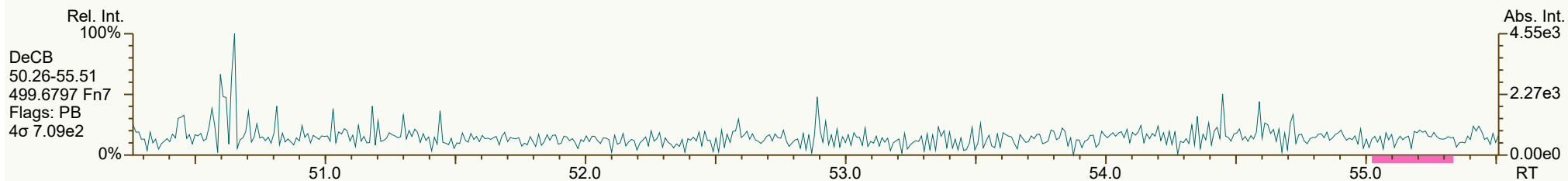
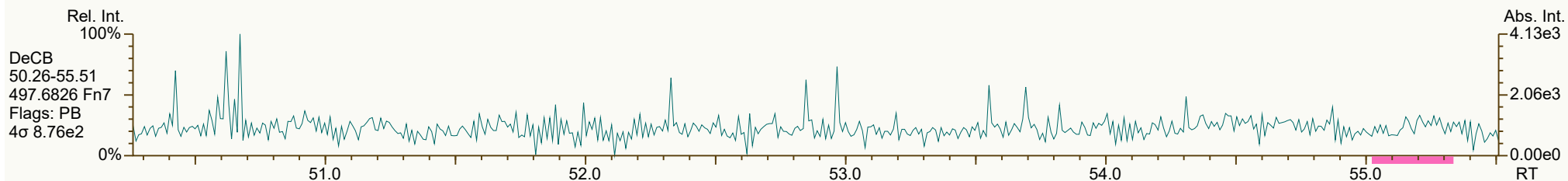
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 5552, 1534 scc: 910-748

Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:51 (JLJ) Printed: 23-Oct-2024 11:18 Page 20 of 21

SGS ID: B9935_21527_PCB_008-CU
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Field Blank
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 18

Acq: 17-Oct-2024 08:30:05
User: JLJ Datafile: 241016B21



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\B9935_21527_PCB_008-CU.utp_res, saved 21-Oct-2024 15:41 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 7254, 9219 scc: 910-748

Peak annotation: Areas, Centroids
Revised: 18-Oct-2024 11:51 (JLJ) Printed: 23-Oct-2024 11:18 Page 21 of 21

SGS Environmental Services — Run Log

Project: B9935_21527_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
10	241014V10	5	CS3_241014_PAH_VB	1.00	27-80-3	DTF	500-952	14-Oct-2024	16:21:34
12	241014V12	4	SB_241014_PAH_VA	1.00	Isooctane	DTF	093-066	14-Oct-2024	17:55:02
13	241014V13	82	MB1_21527_PAH_SDS	1.00	Method Blank	DTF	371-412	14-Oct-2024	18:41:45
14	241014V14	90	B9935_21527_PAH_008	1.00	Field Blank	DTF	247-726	14-Oct-2024	19:28:27
15	241014V16	83	B9935_21527_PAH_001-D10	1.00	Test #1	DTF	978-511	14-Oct-2024	21:01:53
16	241014V17	84	B9935_21527_PAH_002-D10	1.00	Test #2	DTF	052-413	14-Oct-2024	21:48:35
17	241014V18	85	B9935_21527_PAH_003-D10	1.00	Test #3	DTF	427-993	14-Oct-2024	22:35:19
18	241014V19	86	B9935_21527_PAH_004-D10	1.00	Test #4	DTF	309-009	14-Oct-2024	23:22:02
19	241014V20	87	B9935_21527_PAH_005-D10	1.00	Test #5	DTF	772-516	15-Oct-2024	00:08:43
20	241014V21	88	B9935_21527_PAH_006-D10	1.00	Test #6	DTF	395-151	15-Oct-2024	00:55:25
21	241014V22	89	B9935_21527_PAH_007-D10	1.00	Test #7	DTF	322-773	15-Oct-2024	01:42:09
23	241014V23	4	SB_241014_PAH_VB	1.00	Isooctane	DTF	399-662	15-Oct-2024	02:28:51

REVIEWED

Tyler_Fritz , 10/15/2024, 11:41:54 AM

Acenaphthylene,Benzo(k)Fluoranthene,Benzo(a)Pyrene and Perylene do not meet either SOP or method RSD criteria in MM6_PAH_05MAR2024

REVIEWED

Carla_Lyon , 10/17/2024, 8:49:19 AM

Samples and Method Blank are quantitated against the ICAL RRFs.
CL 16Oct24

HR-PAH QC Summary

SGS North America

Printed: 15-Oct-24 11:10

Lab ID: CS3_241014_PAH_VB MM6_PAH_ICAL_05MAR2024
Acquired: 14 Oct 2024 16:21:34
Datafile: 241014V10

Name	RT	Response	RA	ICAL	RRF	Dev'n
Naphthalene	10.43	1.06E+08	-	0.99	0.96	-3.2%
2-Methylnaphthalene	13.00	7.75E+07	-	1.01	0.99	-1.6%
Acenaphthylene	15.97	6.93E+07	-	0.92	1.05	13.3%
Acenaphthene	16.52	4.85E+07	-	1.01	1.06	4.9%
Fluorene	18.11	5.62E+07	-	1.02	0.97	-4.5%
Phenanthrene	20.84	8.61E+07	-	1.00	0.92	-8.0%
Anthracene	20.99	7.73E+07	-	1.23	1.14	-7.5%
Fluoranthene	23.98	6.36E+07	-	0.92	0.90	-2.0%
Pyrene	24.55	7.06E+07	-	0.98	0.94	-4.2%
Benzo(a)Anthracene	27.65	5.33E+07	-	1.00	1.02	1.5%
Chrysene	27.75	6.45E+07	-	1.01	0.98	-2.7%
Benzo(b)Fluoranthene	31.29	3.66E+07	-	0.98	0.98	0.2%
Benzo(k)Fluoranthene	31.40	4.15E+07	-	0.92	0.91	-0.3%
Benzo(e)Pyrene	32.46	3.89E+07	-	0.98	0.95	-2.5%
Benzo(a)Pyrene	32.70	3.02E+07	-	0.98	0.98	0.1%
Perylene	33.08	3.09E+07	-	1.06	1.14	7.5%
Indeno(1,2,3-cd)Pyrene	38.99	2.08E+07	-	0.92	0.90	-1.5%
Dibenzo(a,h)Anthracene	39.20	2.33E+07	-	0.94	0.94	0.7%
Benzo(ghi)Perylene	40.84	3.25E+07	-	0.97	0.95	-1.5%

HR-PAH QC Summary

SGS North America

Printed: 15-Oct-24 11:10

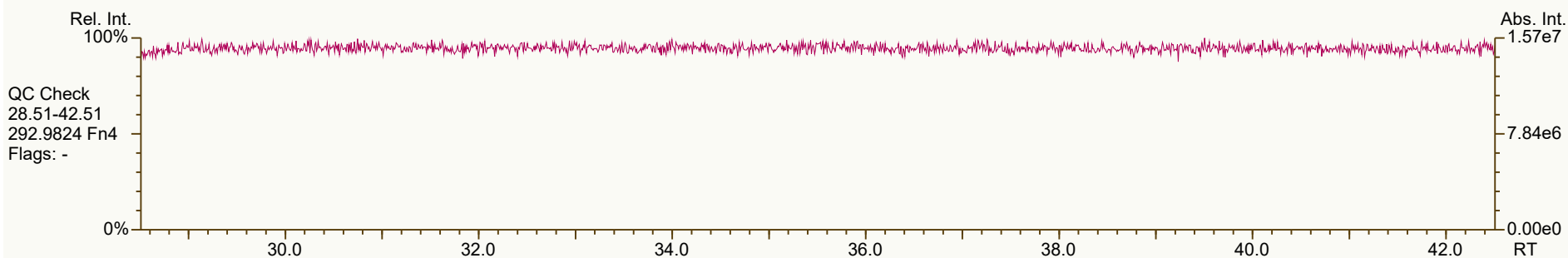
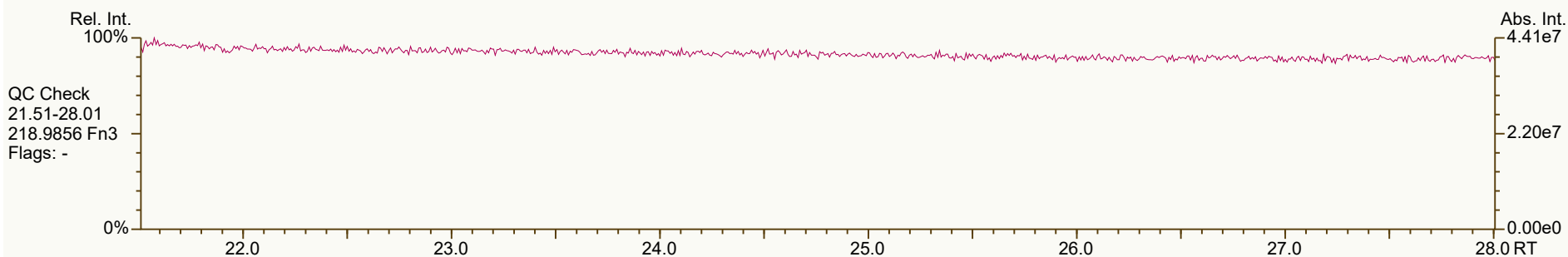
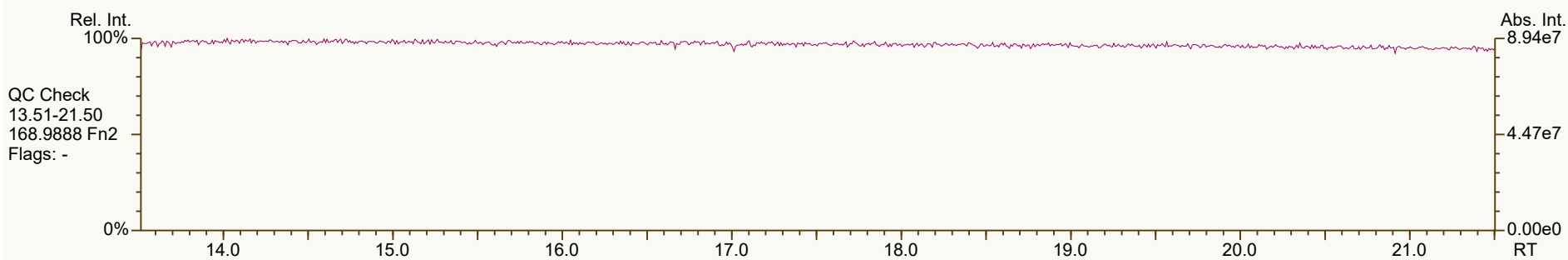
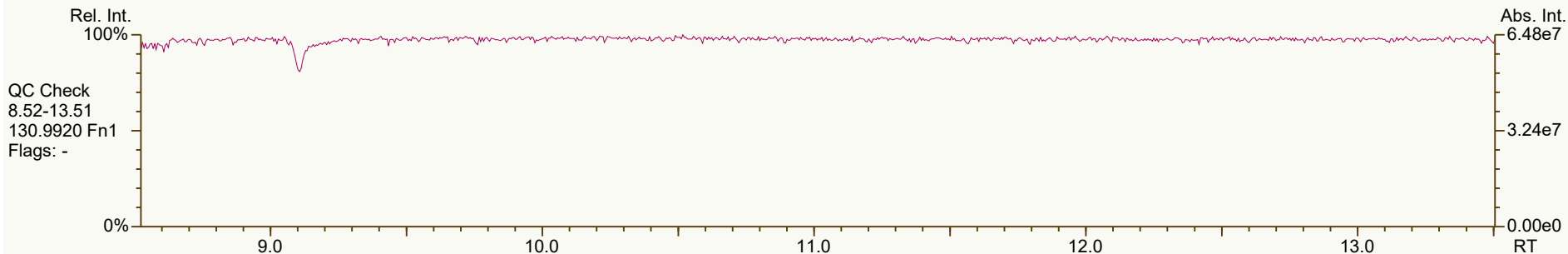
Lab ID: CS3_241014_PAH_VB MM6_PAH_ICAL_05MAR2024
Acquired: 14 Oct 2024 16:21:34
Datafile: 241014V10

Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	10.42	1.10E+08	-	1.35	1.57	16.7%
13C6-2-Methylnaphthalene	12.99	7.81E+07	-	0.99	1.11	12.4%
13C6-Acenaphthylene	15.96	6.62E+07	-	1.37	1.53	11.7%
13C6-Acenaphthene	16.52	4.56E+07	-	0.91	1.05	15.7%
13C6-Fluorene	18.11	5.79E+07	-	1.09	1.34	22.3%
13C6-Phenanthrene	20.84	9.39E+07	-	1.91	2.17	13.5%
13C6-Anthracene	20.99	6.79E+07	-	1.35	1.57	16.3%
13C6-Fluoranthene	23.97	7.08E+07	-	1.23	1.30	6.3%
13C3-Pyrene	24.55	7.52E+07	-	1.23	1.38	12.2%
13C6-Benzo(a)Anthracene	27.64	5.24E+07	-	0.86	0.96	11.7%
13C6-Chrysene	27.74	6.57E+07	-	1.19	1.21	1.8%
13C6-Benzo(b)Fluoranthene	31.28	3.73E+07	-	1.28	1.57	23.3%
13C6-Benzo(k)Fluoranthene	31.40	4.53E+07	-	1.82	1.92	5.2%
13C4-Benzo(e)Pyrene	32.45	4.08E+07	-	1.56	1.73	10.6%
13C4-Benzo(a)Pyrene	32.69	3.08E+07	-	1.23	1.30	6.0%
d12-Perylene	32.95	2.72E+07	-	1.13	1.15	1.9%
13C6-Indeno(1,2,3-cd)Pyrene	38.98	2.30E+07	-	0.85	0.97	14.3%
13C6-Dibenzo(ah)Anthracene	39.20	2.47E+07	-	0.94	1.04	10.8%
13C12-Benzo(ghi)Perylene	40.83	3.41E+07	-	1.33	1.44	8.4%
AS--Anthracene	20.93	6.38E+07	-	1.17	1.47	25.5%
FS--Anthracene			As vs ES	0.87	0.94	7.9%
SS-Fluorene	18.02	5.62E+07	-	1.00	0.97	-3.1%
SS-Terphenyl	24.93	6.04E+07	-	0.79	0.85	7.2%
JS-Methylnaphthalene	12.88	7.03E+07	-	-	-	-
JS-Acenaphthene	16.42	4.34E+07	-	-	-	-
JS-Pyrene	24.50	5.43E+07	-	-	-	-
JS-Benzo(a)Pyrene	32.58	2.37E+07	-	-	-	-

SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 14-Oct-2024 16:21:34
User: DTF Datafile: 241014V10



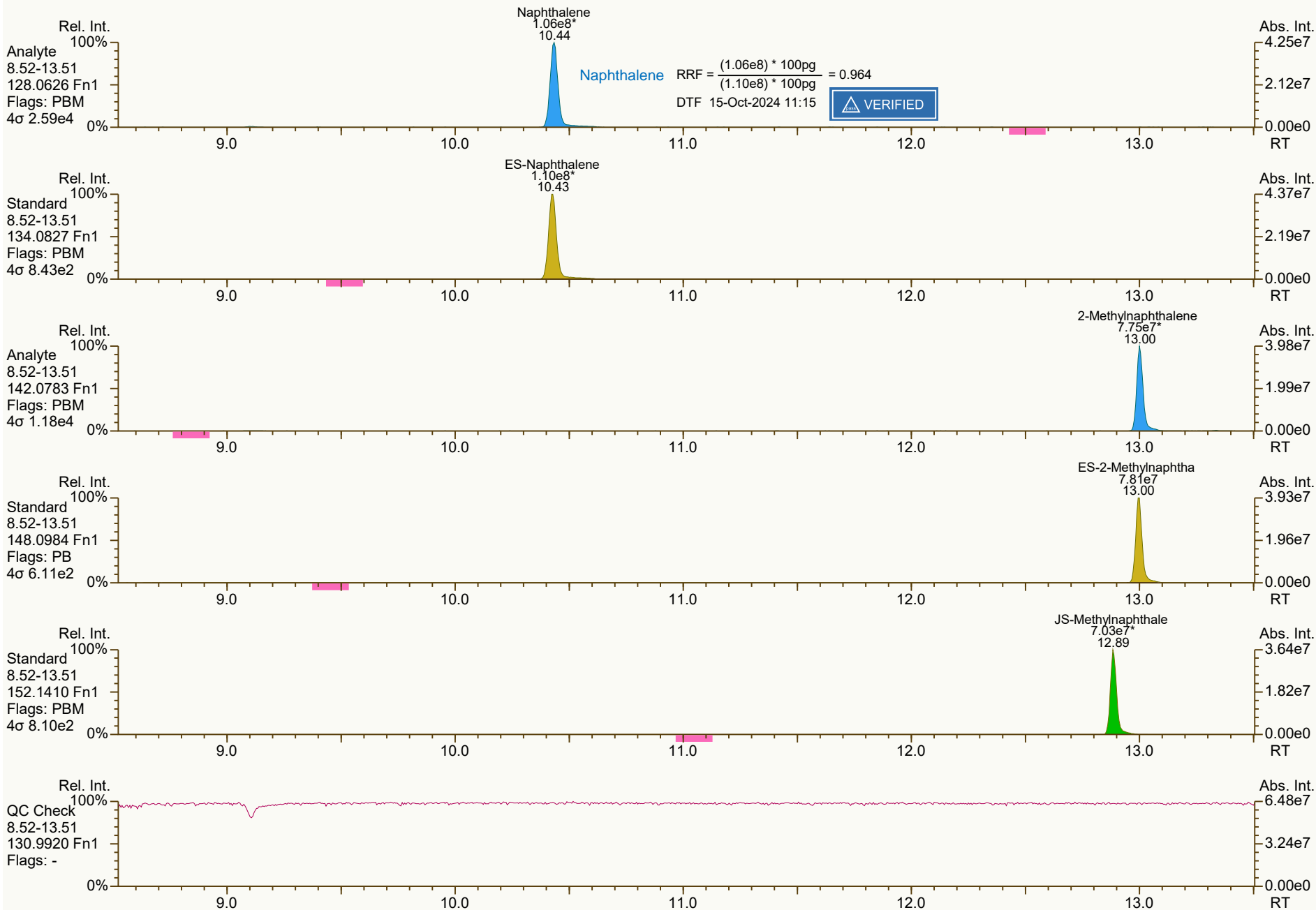
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 500-952

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:27 Page 1 of 9

SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 14-Oct-2024 16:21:34
User: DTF Datafile: 241014V10



Results: P:\B9900_B9999\B9935\B9935_21527_PAH\Resources\CS3_241014_PAH_VB.utp_res, saved 15-Oct-2024 11:15 (DTF)
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Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 07:58 (DTF) Printed: 15-Oct-2024 11:27 Page 2 of 9

SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 14-Oct-2024 16:21:34
User: DTF Datafile: 241014V10



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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1886, 9011, 0019, 9809, 0482 scc: 500-952

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 07:57 Printed: 15-Oct-2024 11:27 Page 3 of 9

SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 14-Oct-2024 16:21:34
User: DTF Datafile: 241014V10



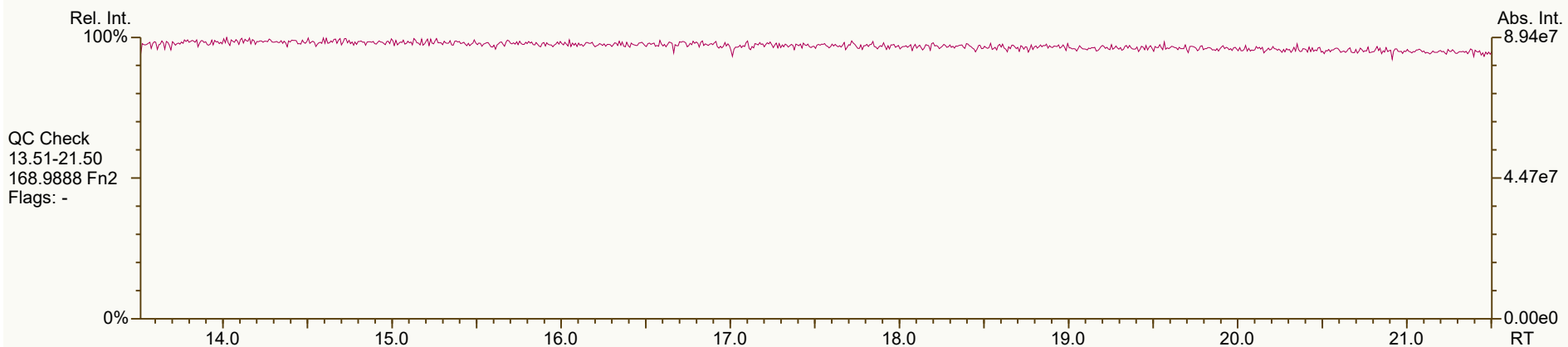
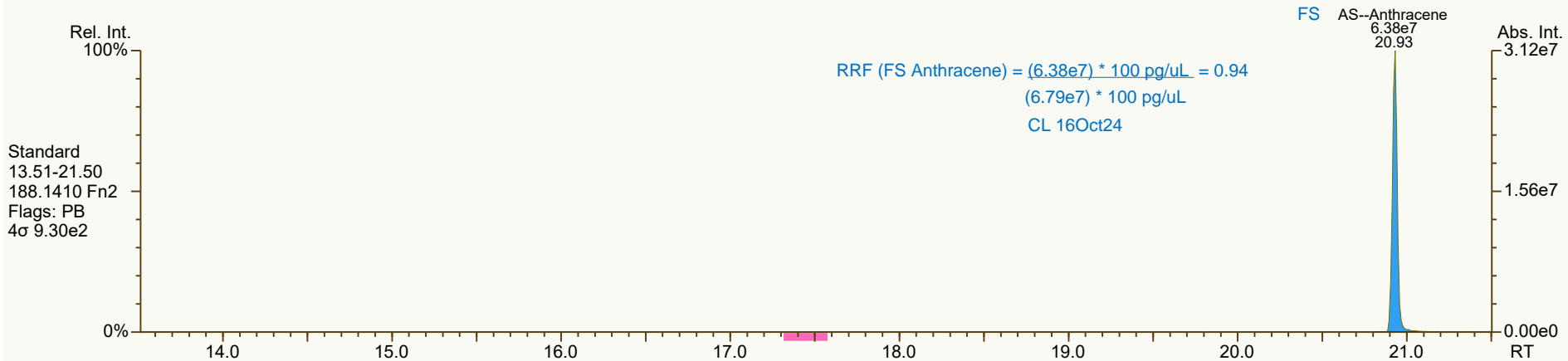
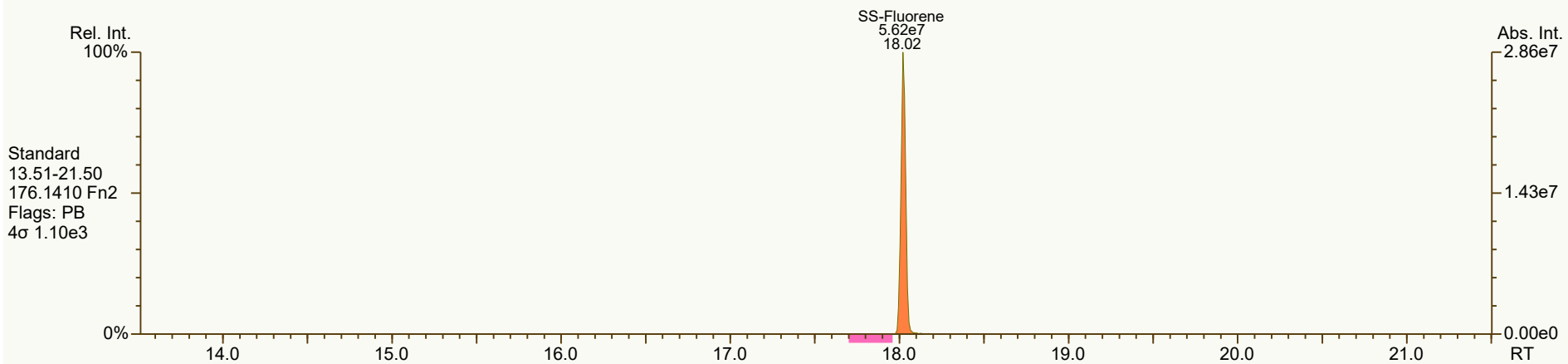
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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 07:57 Printed: 15-Oct-2024 11:27 Page 4 of 9

SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

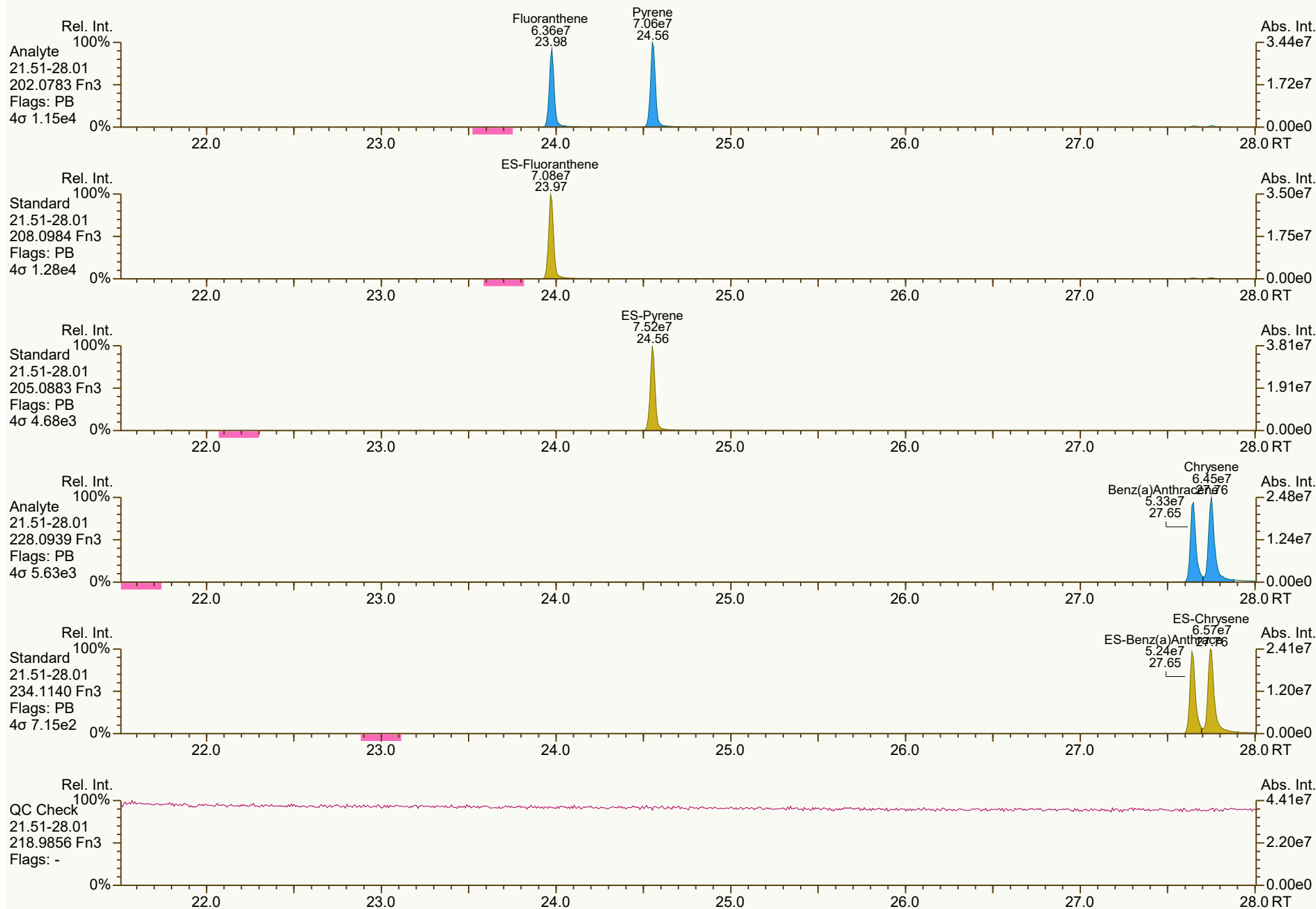
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SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 14-Oct-2024 16:21:34
User: DTF Datafile: 241014V10



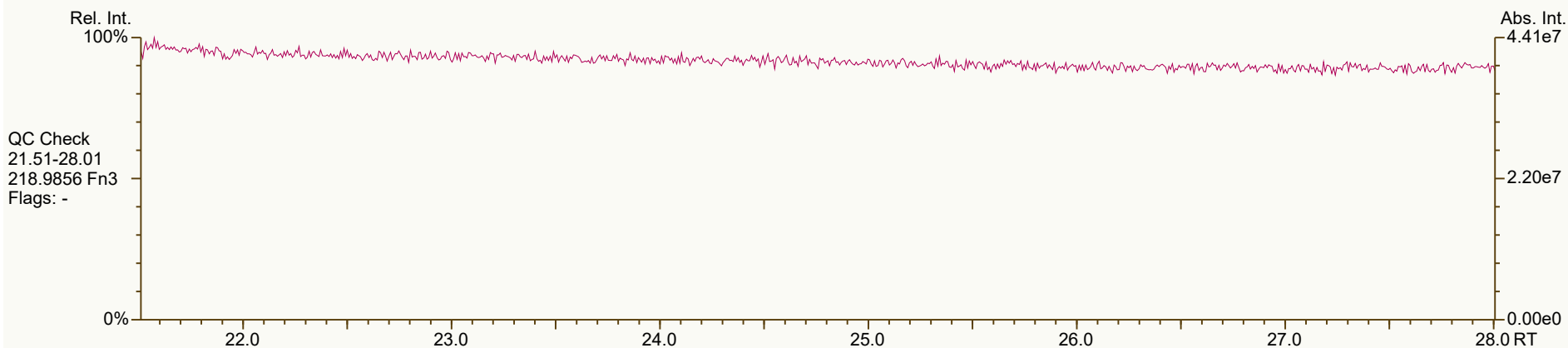
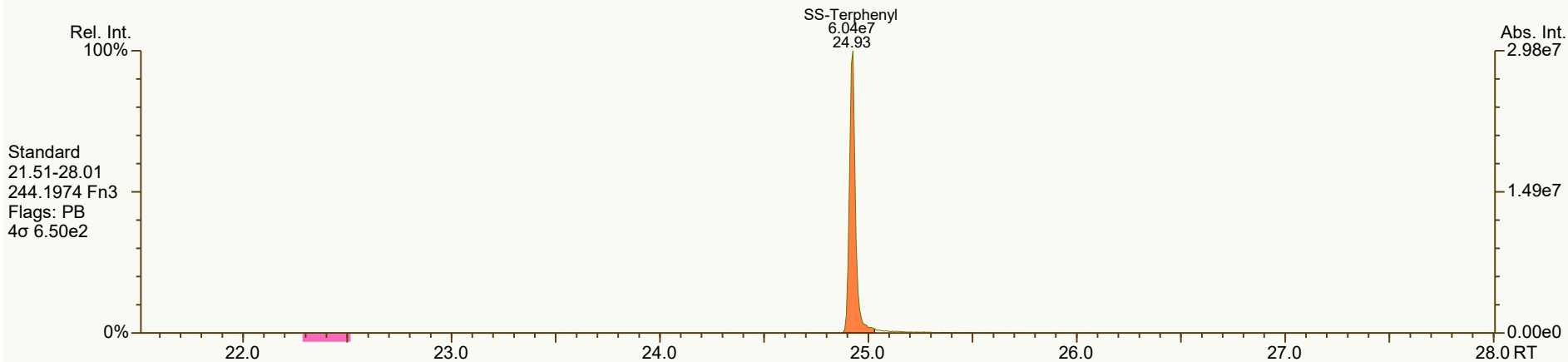
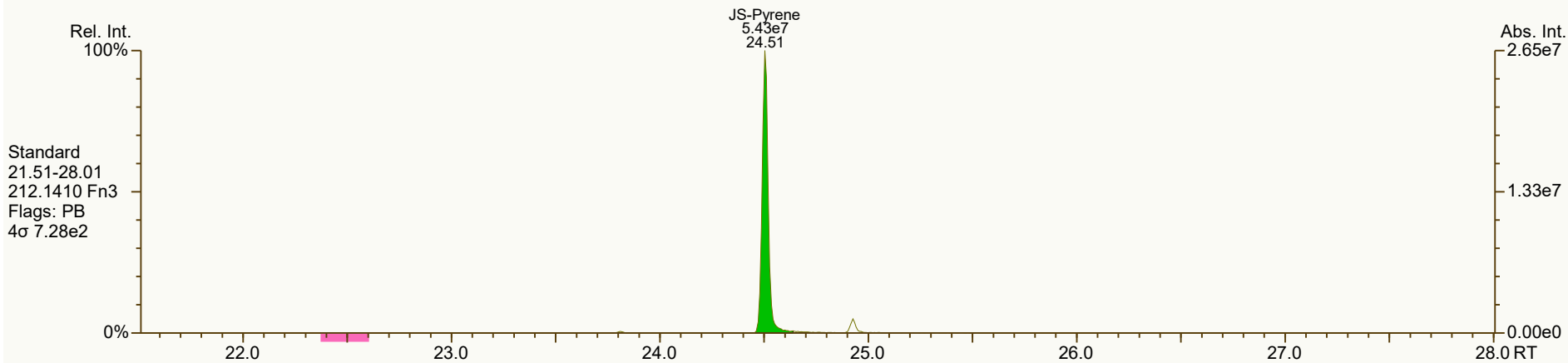
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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 07:57 Printed: 15-Oct-2024 11:27 Page 6 of 9

SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

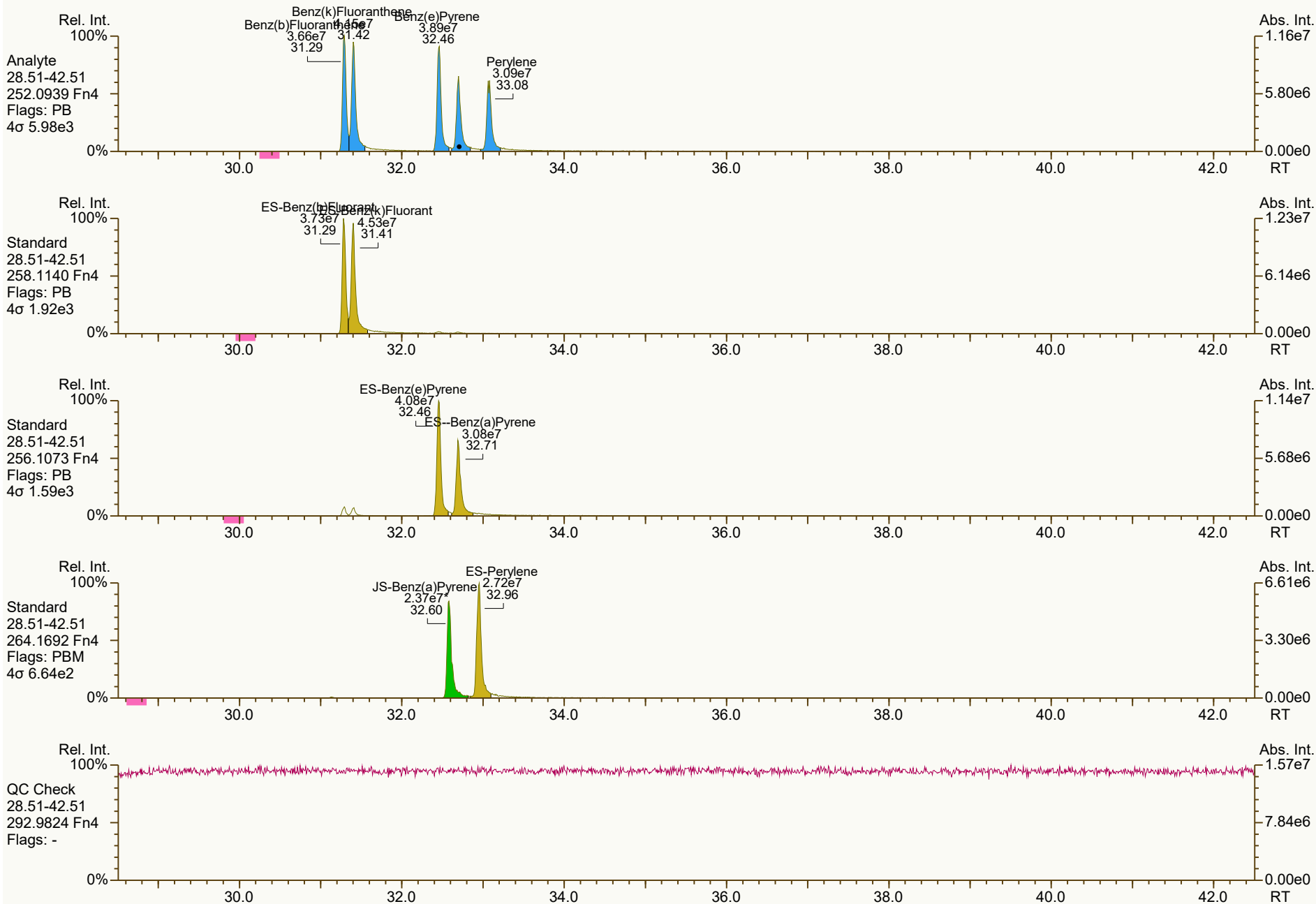
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SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 14-Oct-2024 16:21:34
User: DTF Datafile: 241014V10



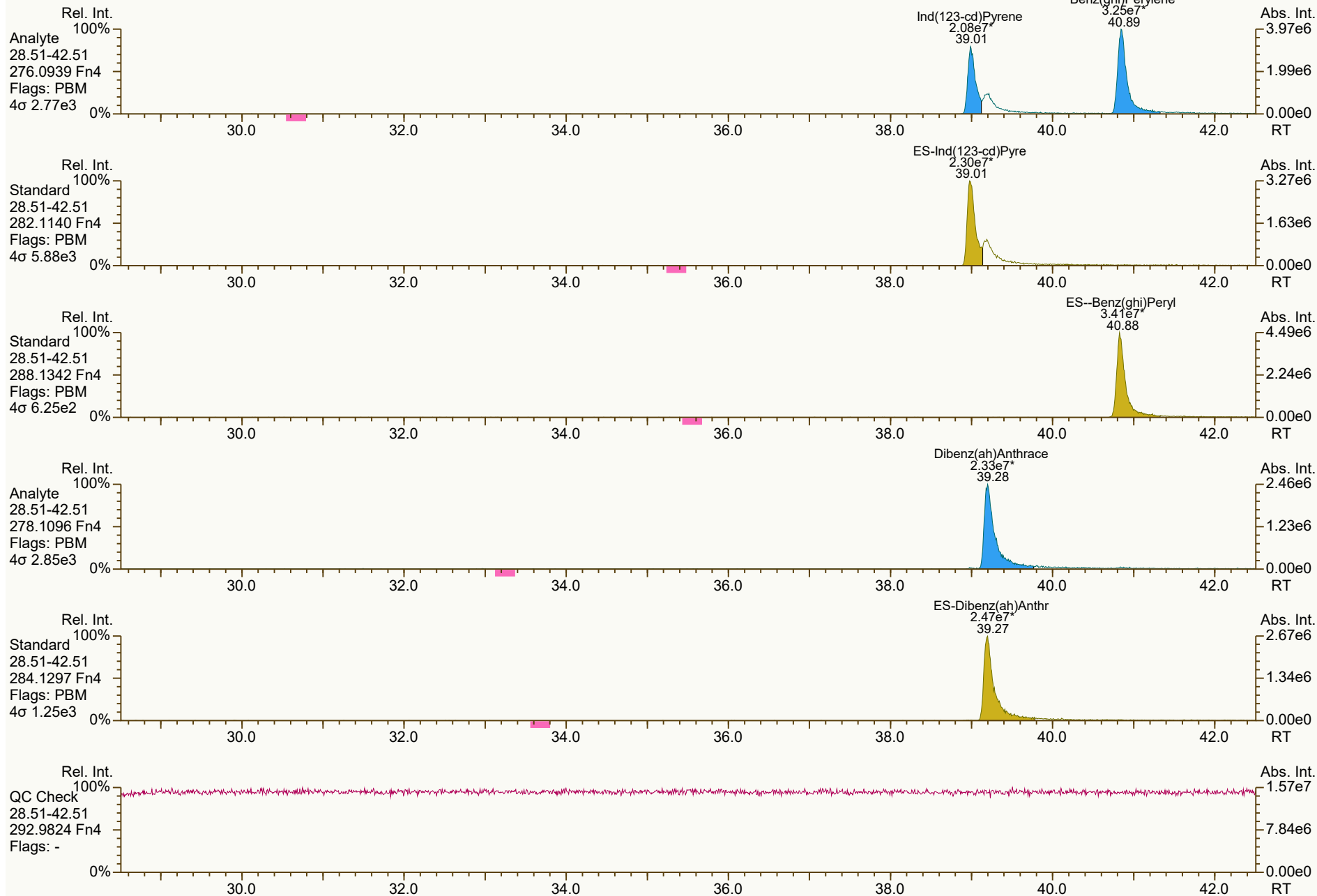
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7052, 4479, 6173, 8318 scc: 500-952

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 07:57 (DTF) Printed: 15-Oct-2024 11:27 Page 8 of 9

SGS ID: CS3_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 5

Acq: 14-Oct-2024 16:21:34
User: DTF Datafile: 241014V10



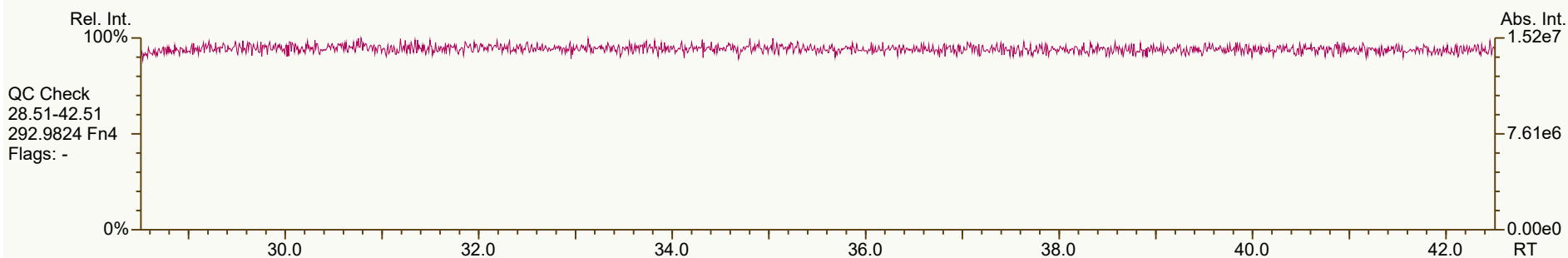
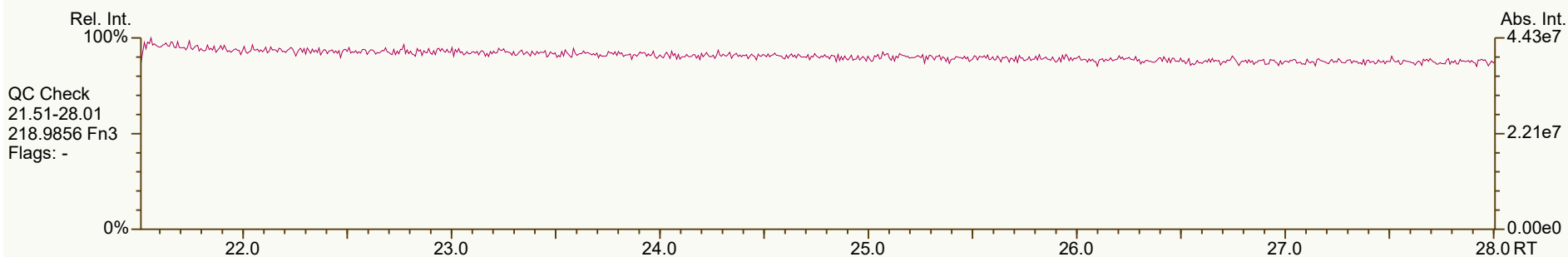
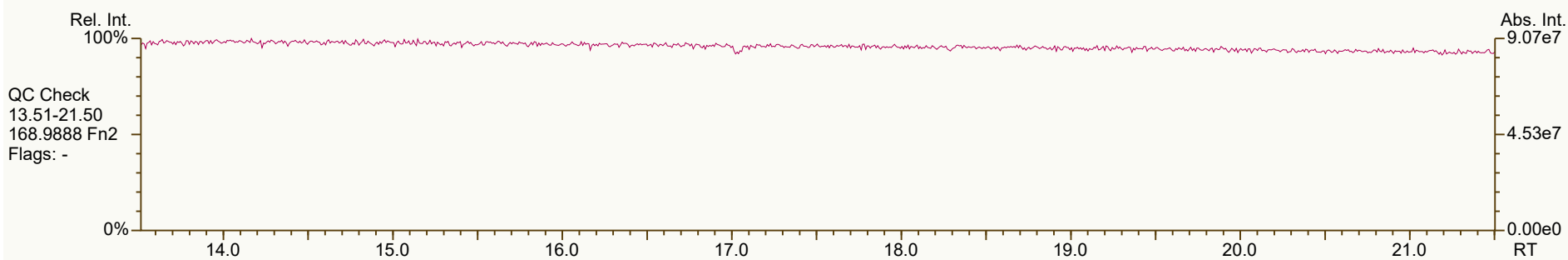
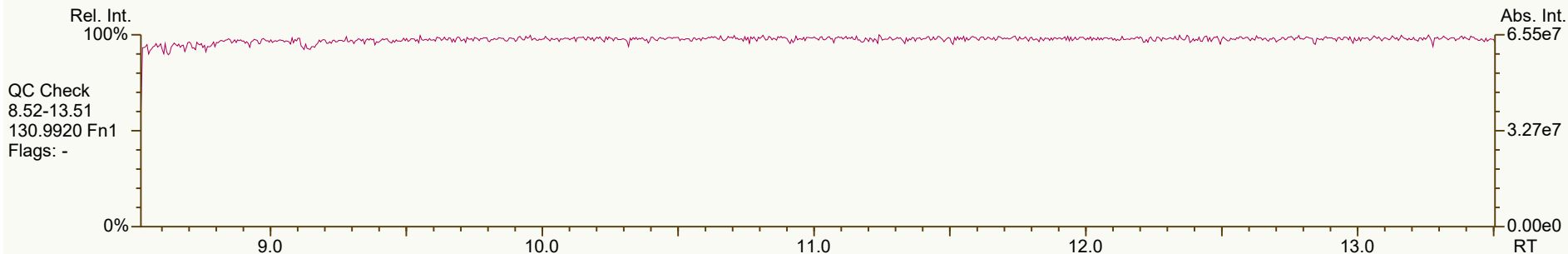
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8423, 3495, 0219, 5261, 0482 scc: 500-952

Peak annotation: Areas, Centroids
Revised: 15-Oct-2024 07:58 (DTF) Printed: 15-Oct-2024 11:28 Page 9 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
User: DTF Datafile: 241014V12



Results: P:\B9900_B9999\B9935\B9935_21527 PAH\Resources\SB_241014_PAH_VA.utp_res, saved 15-Oct-2024 09:35 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 093-066

Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:28 Page 1 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
User: DTF Datafile: 241014V12



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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:28 Page 2 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
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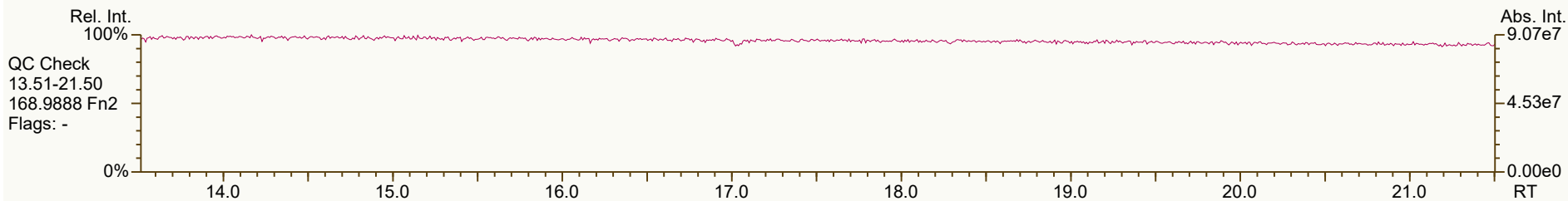
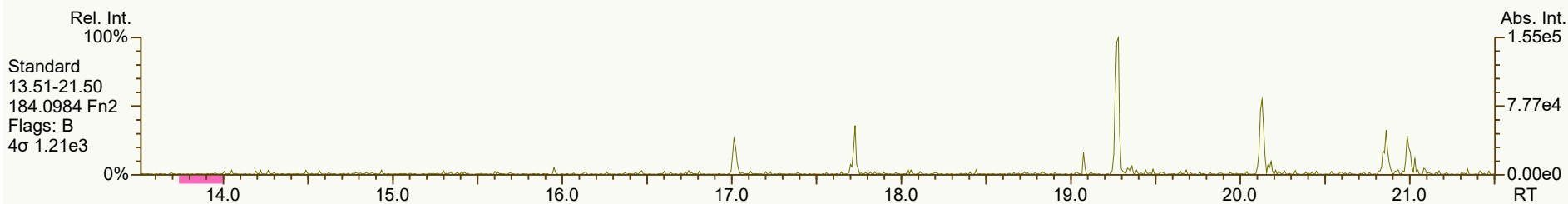
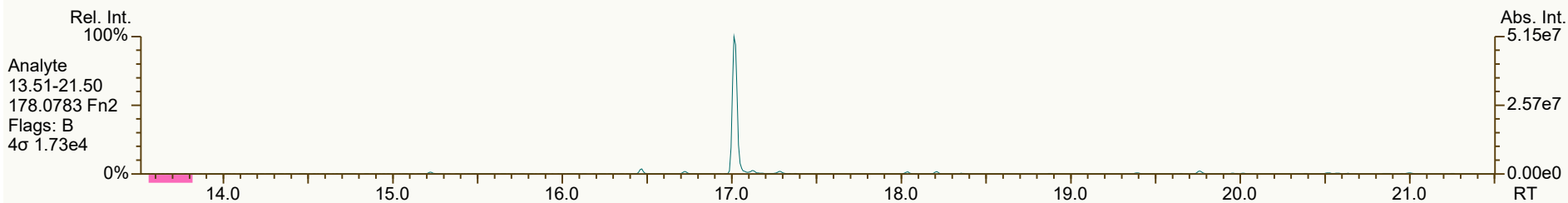
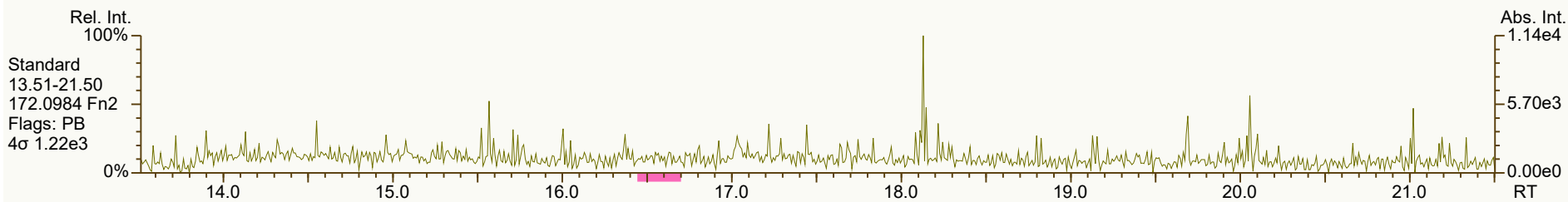
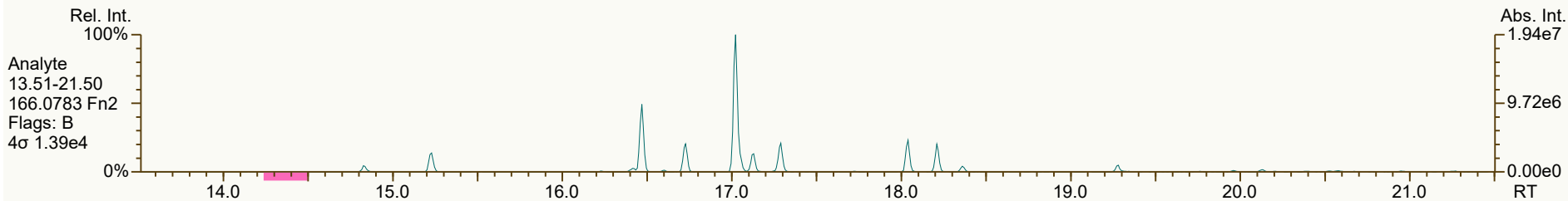
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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:28 Page 3 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
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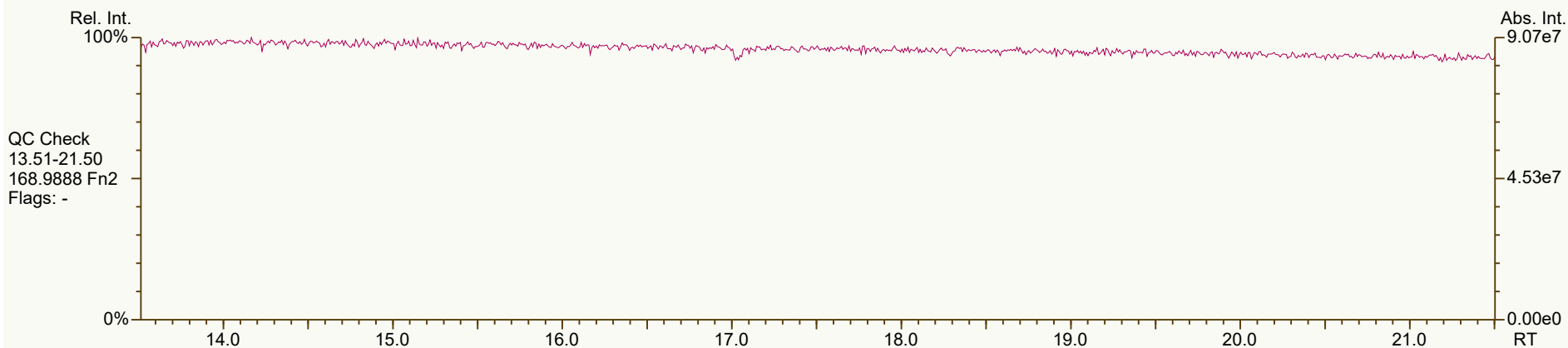
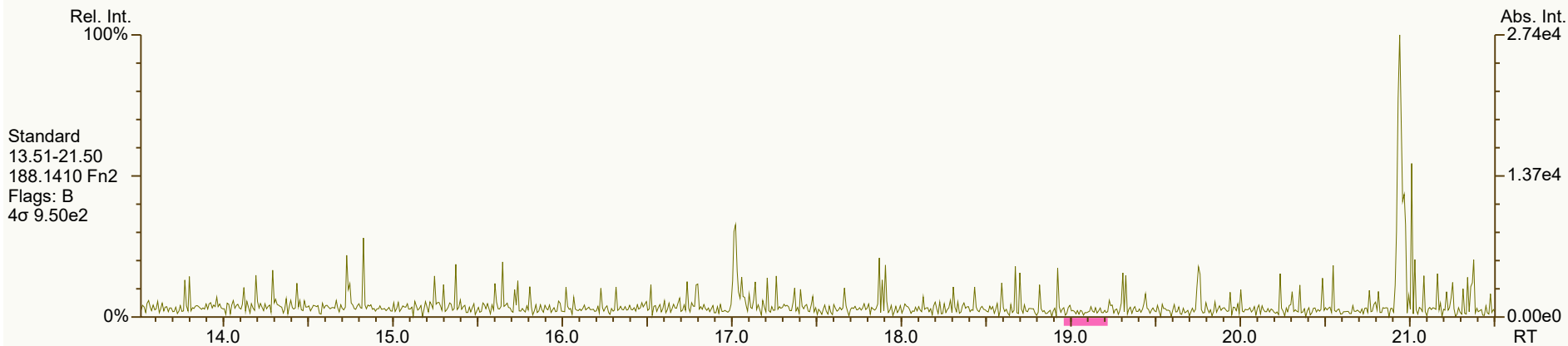
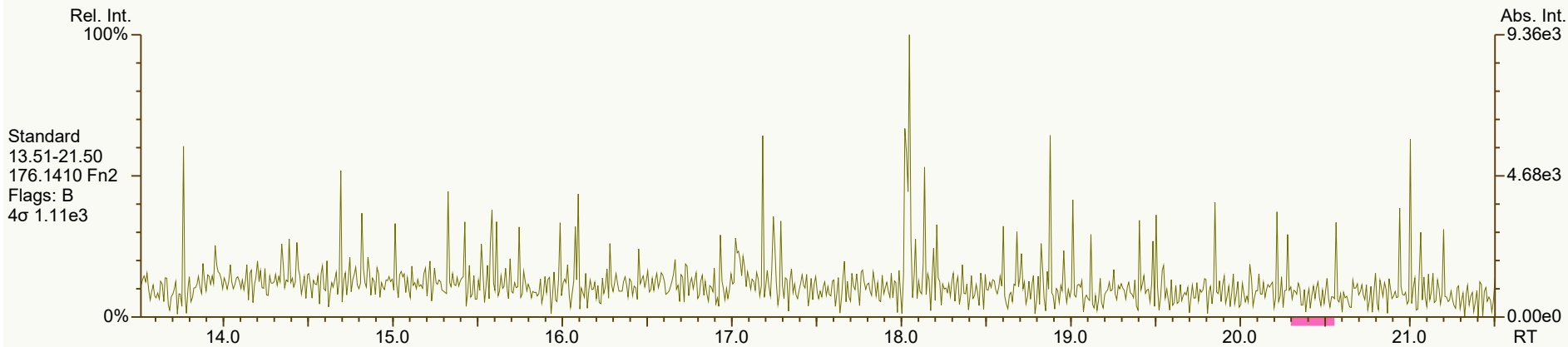
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3942, 2298, 3088, 1106 scc: 093-066

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:28 Page 4 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
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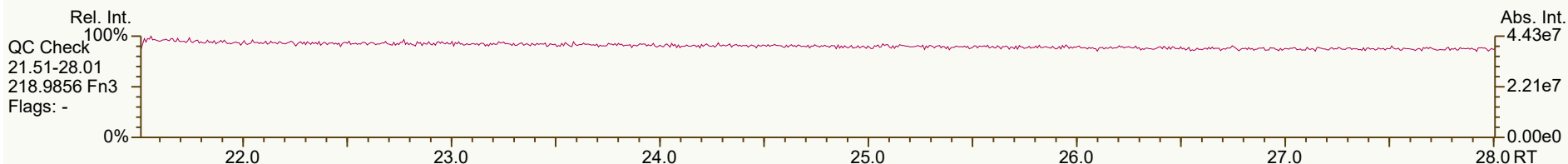
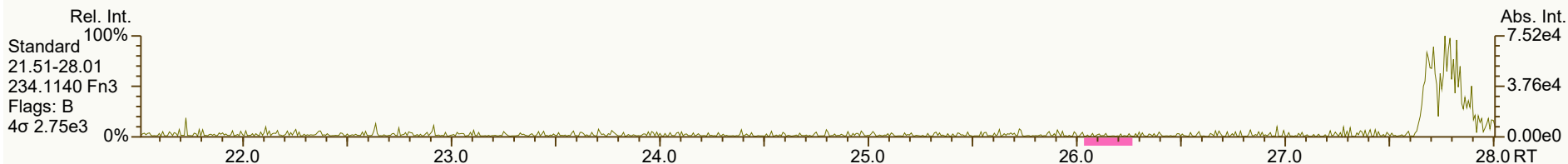
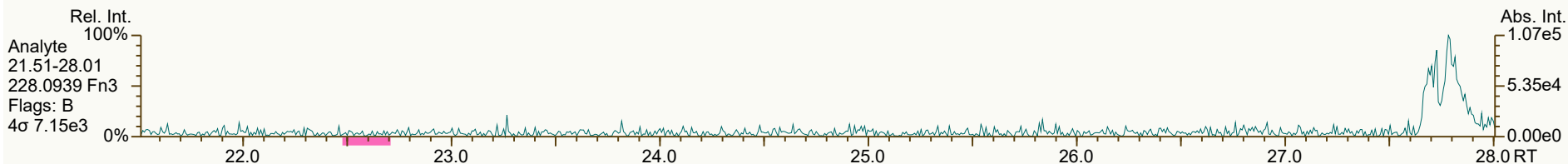
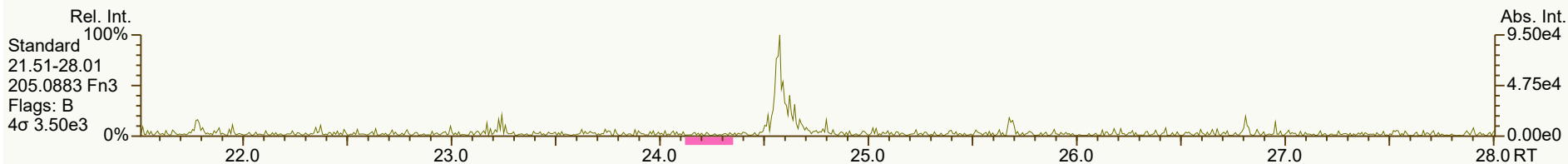
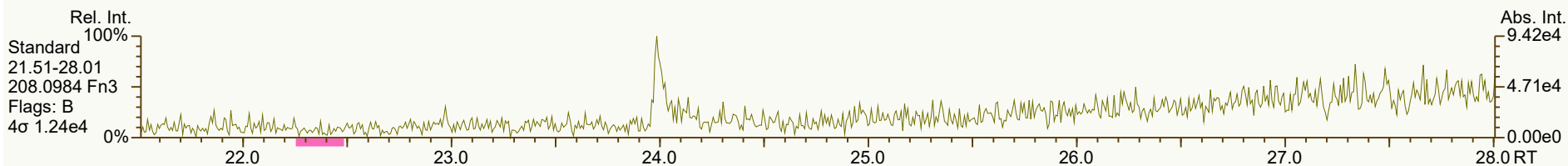
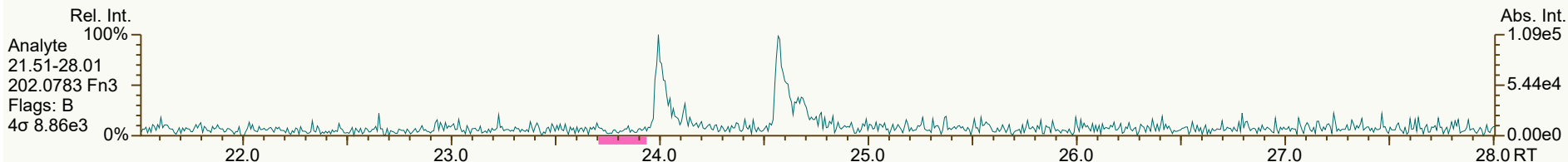
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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:28 Page 5 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
User: DTF Datafile: 241014V12



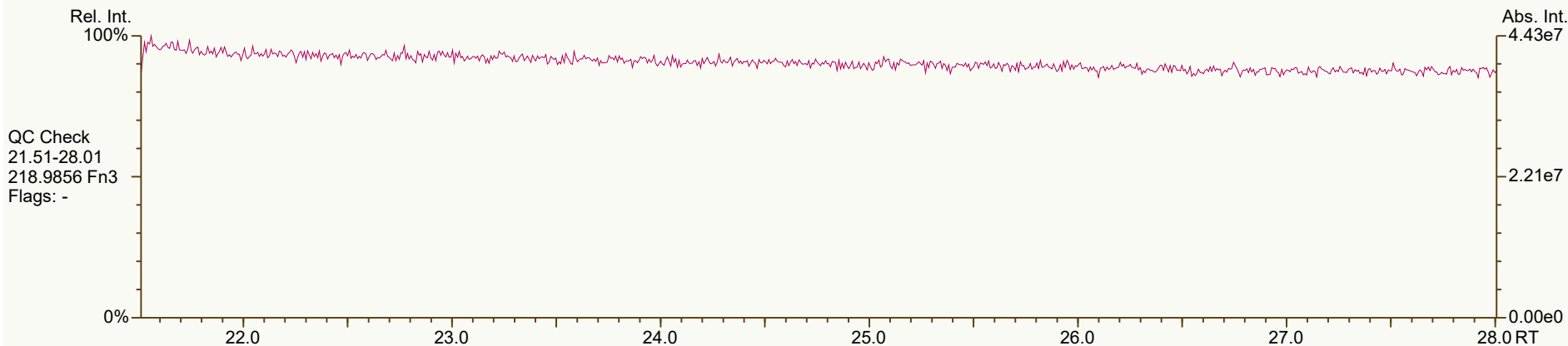
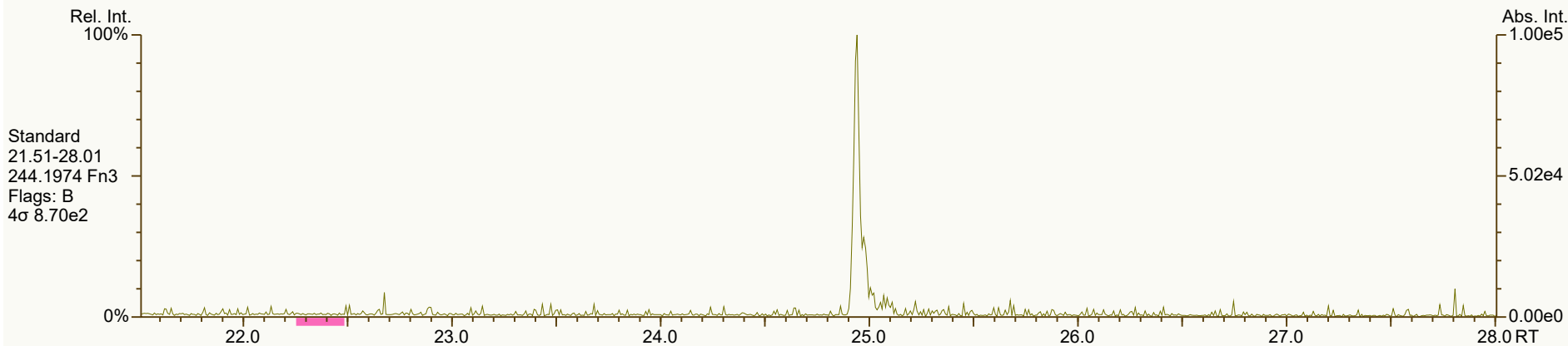
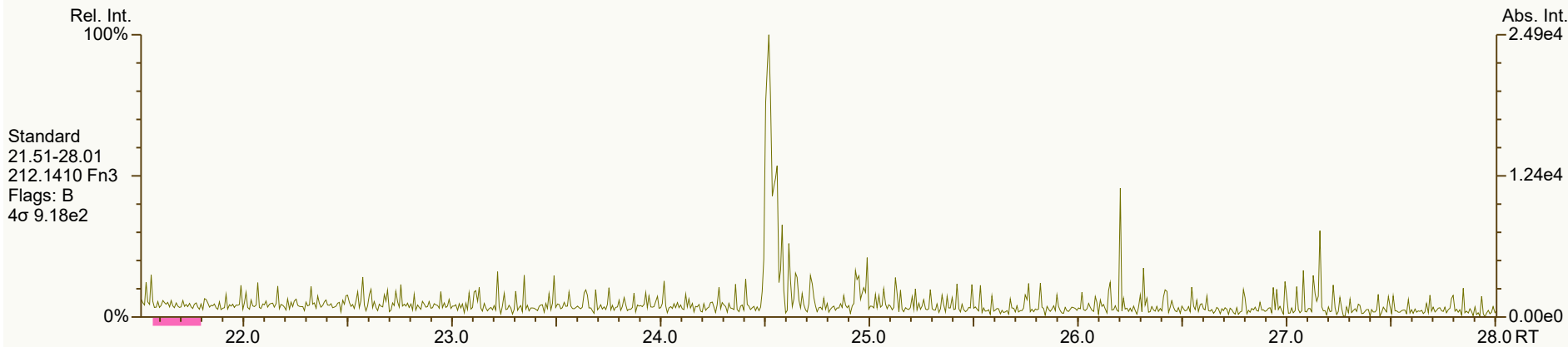
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7058, 8919, 5015, 5110, 5066 scc: 093-066

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:28 Page 6 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

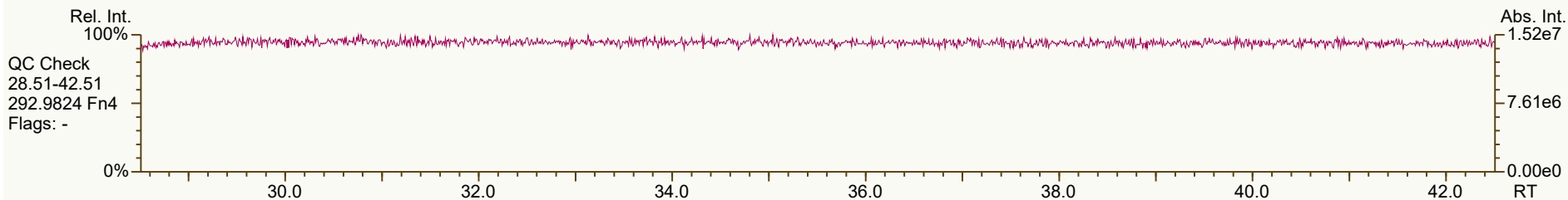
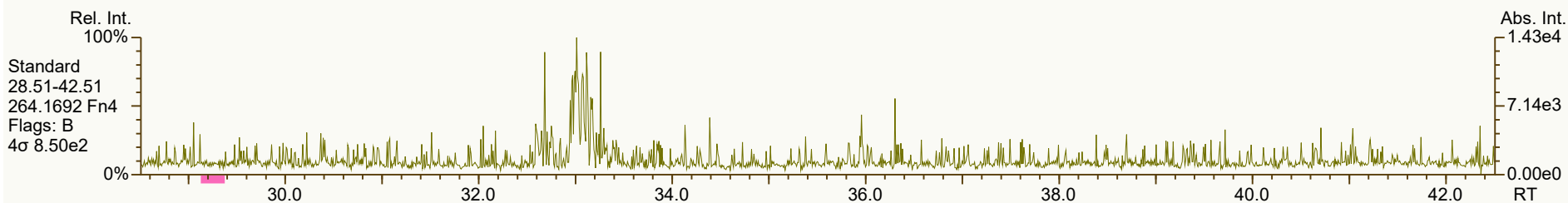
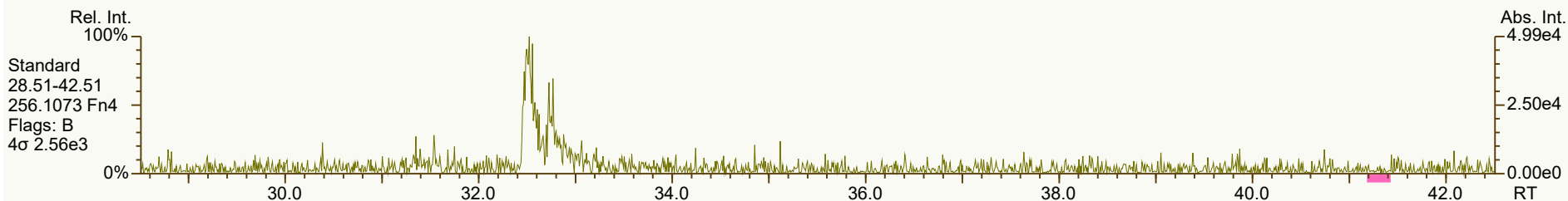
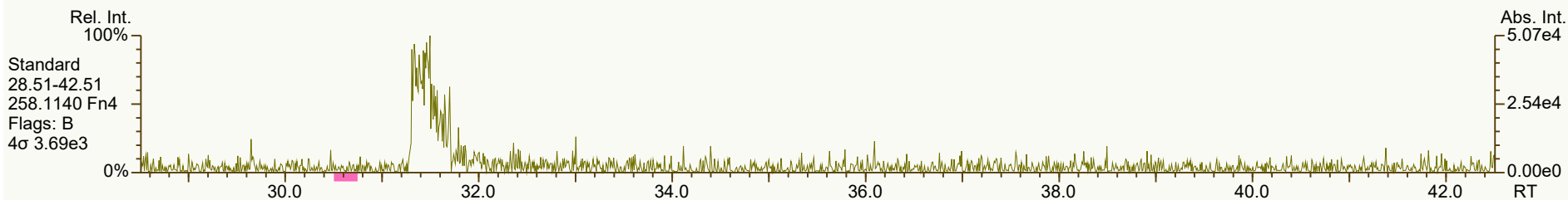
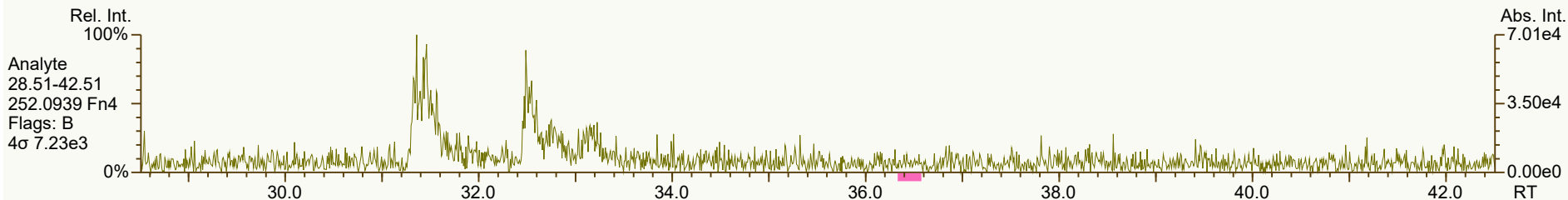
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SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
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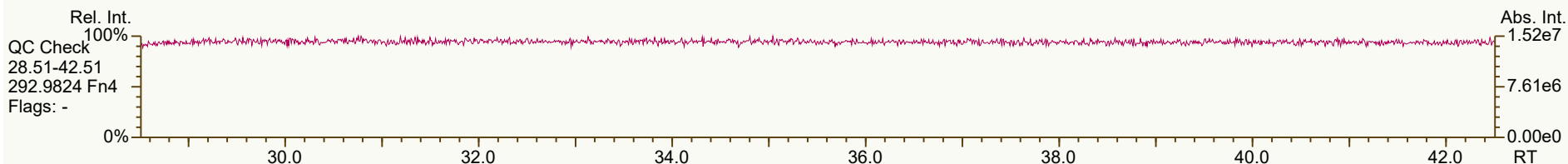
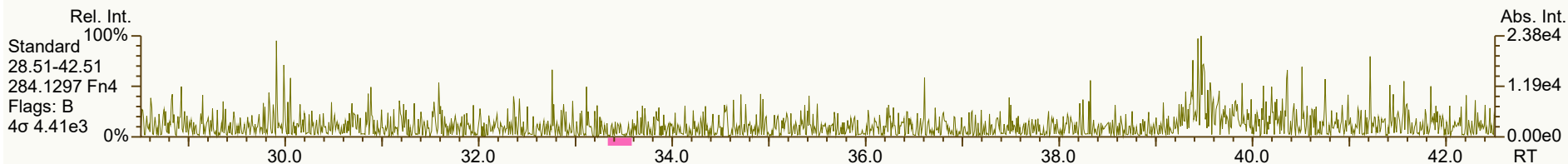
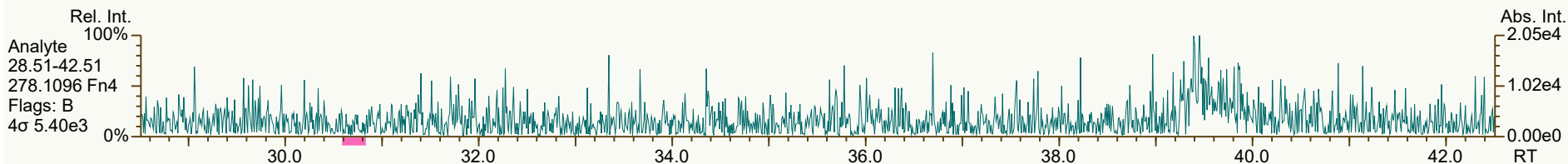
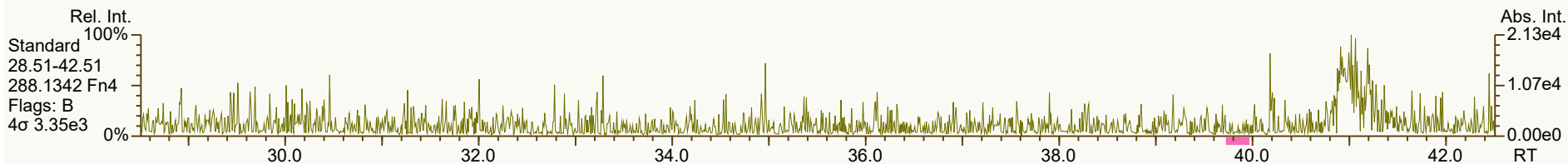
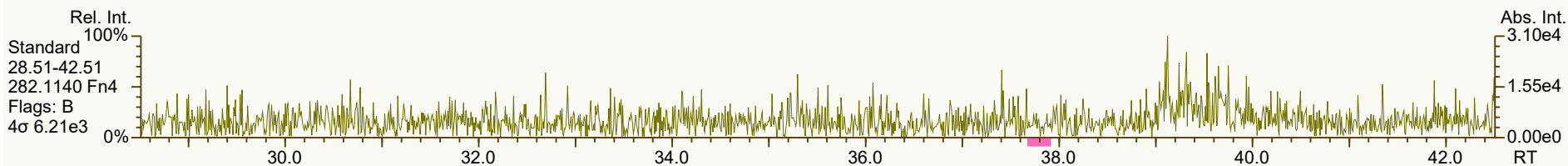
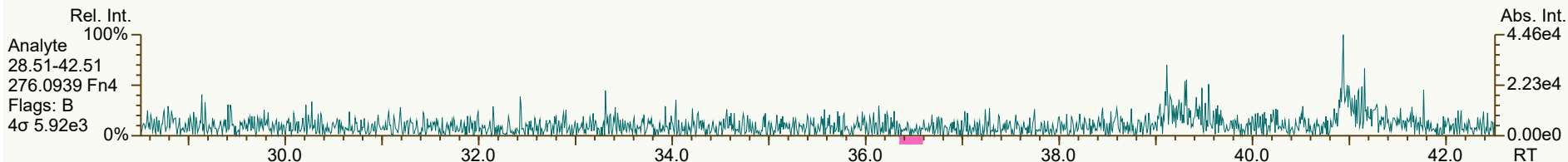
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4318, 8103, 5118, 4853 scc: 093-066

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:28 Page 8 of 9

SGS ID: SB_241014_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 14-Oct-2024 17:55:02
User: DTF Datafile: 241014V12



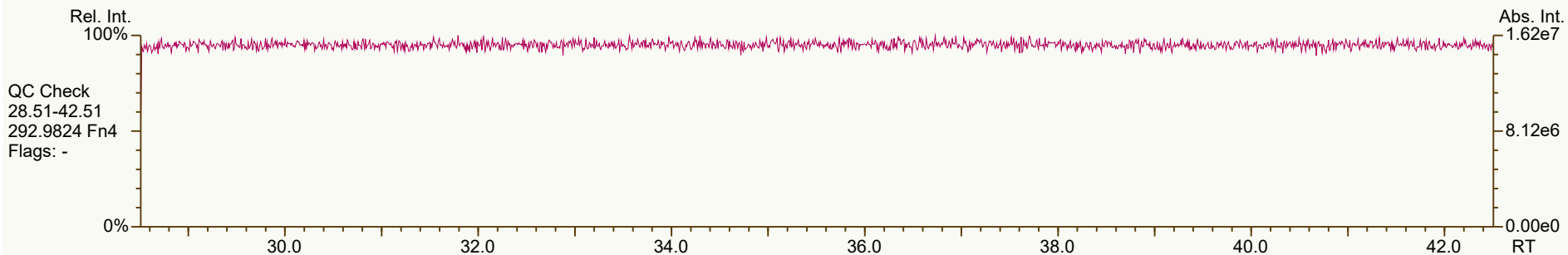
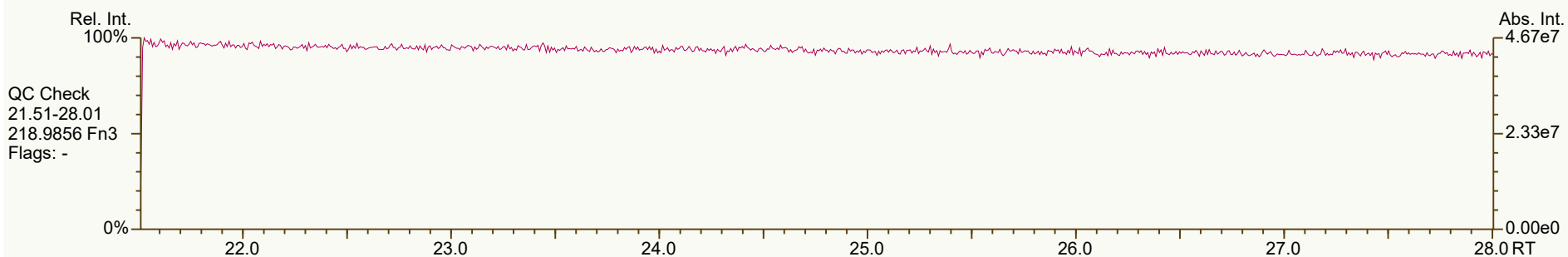
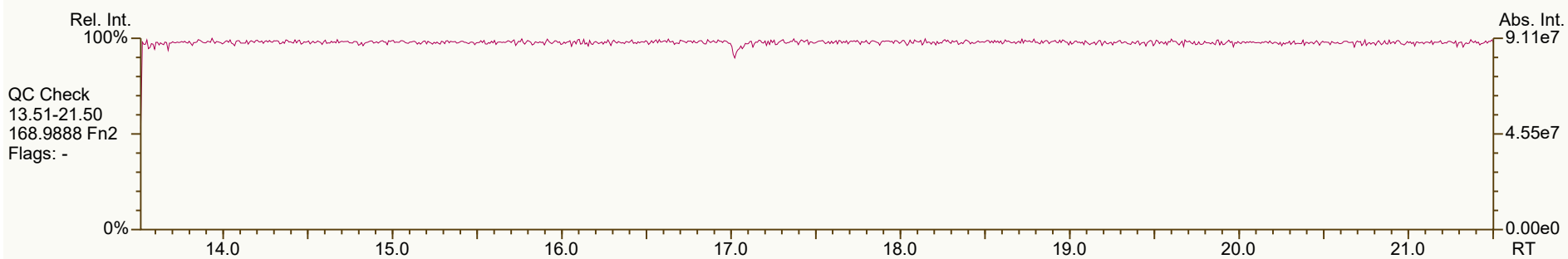
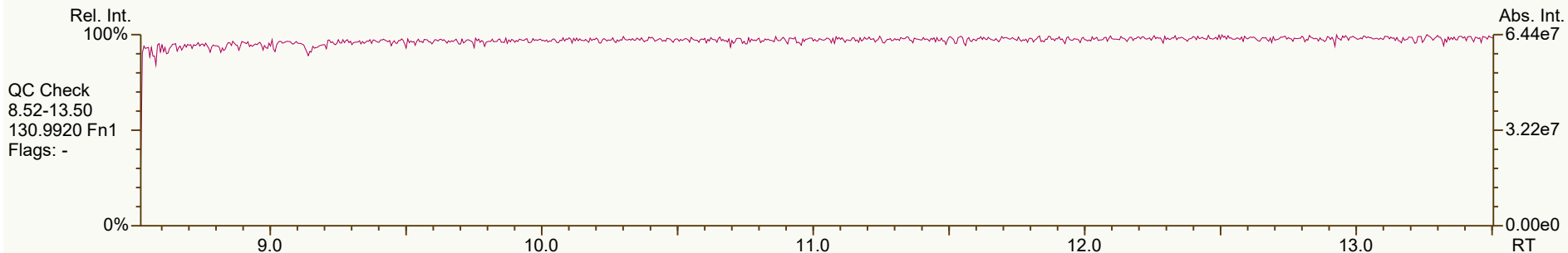
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3883, 5577, 1911, 8952, 2125 scc: 093-066

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:28 Page 9 of 9

SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



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Peak annotation: Areas, Centroids
PKD: n/a Printed: 15-Oct-2024 11:30 Page 1 of 9

SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



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Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:30 Page 2 of 9

SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

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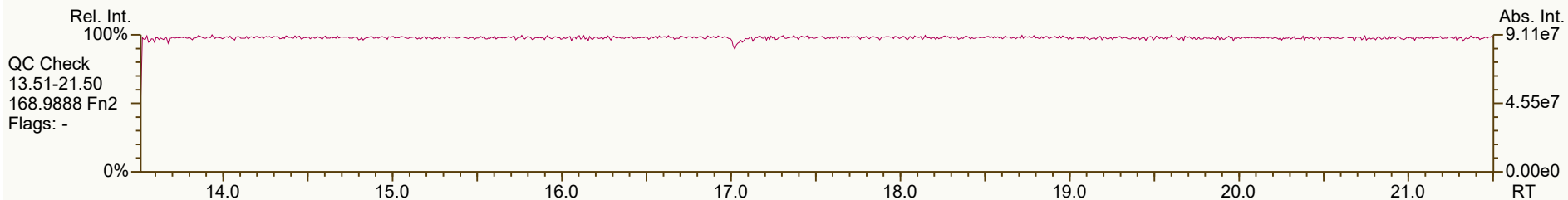
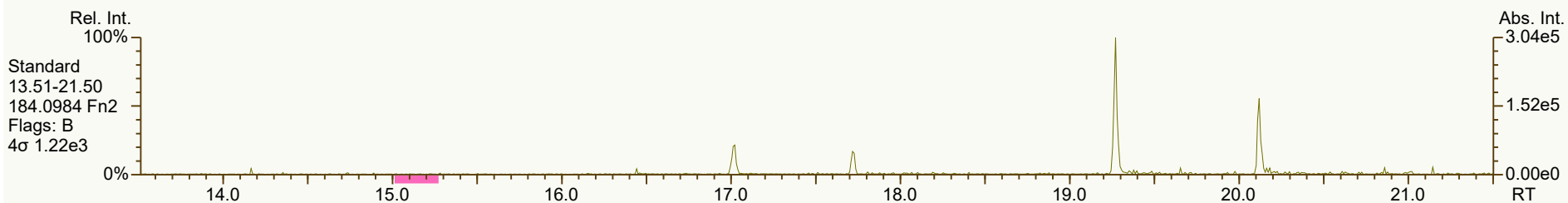
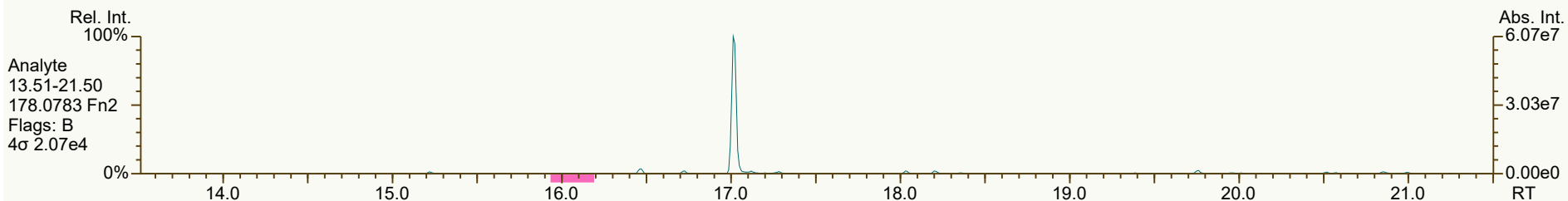
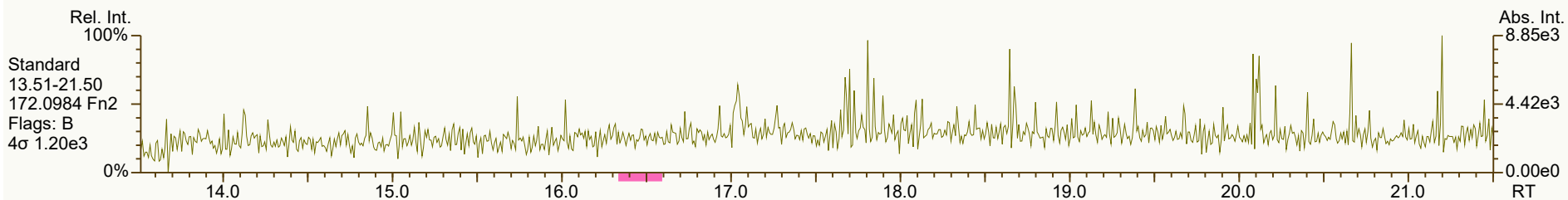
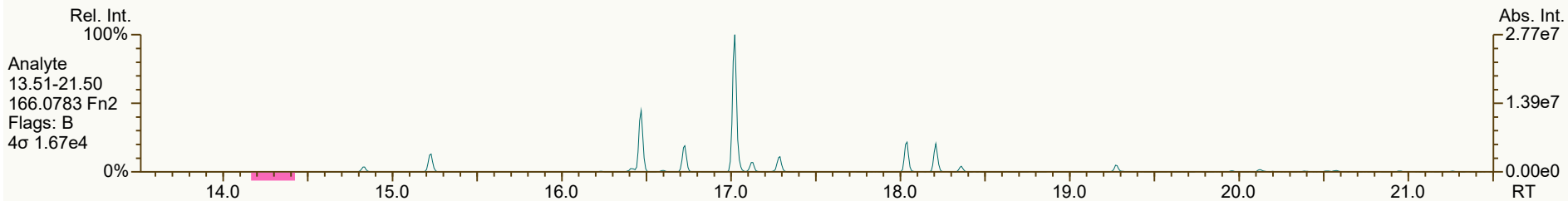
Results: P:\B9900_B9999\B9935\B9935_21527 PAHResources\SB_241014_PAH_VB.utp_res, saved 15-Oct-2024 09:36 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 7481, 1170, 3413, 2949, 6539 scc: 399-662

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:30 Page 3 of 9

SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



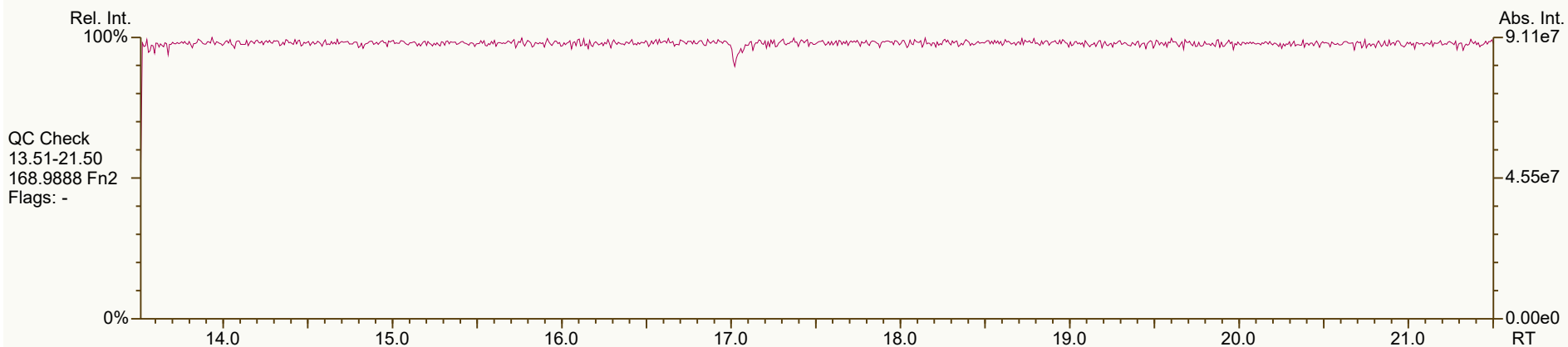
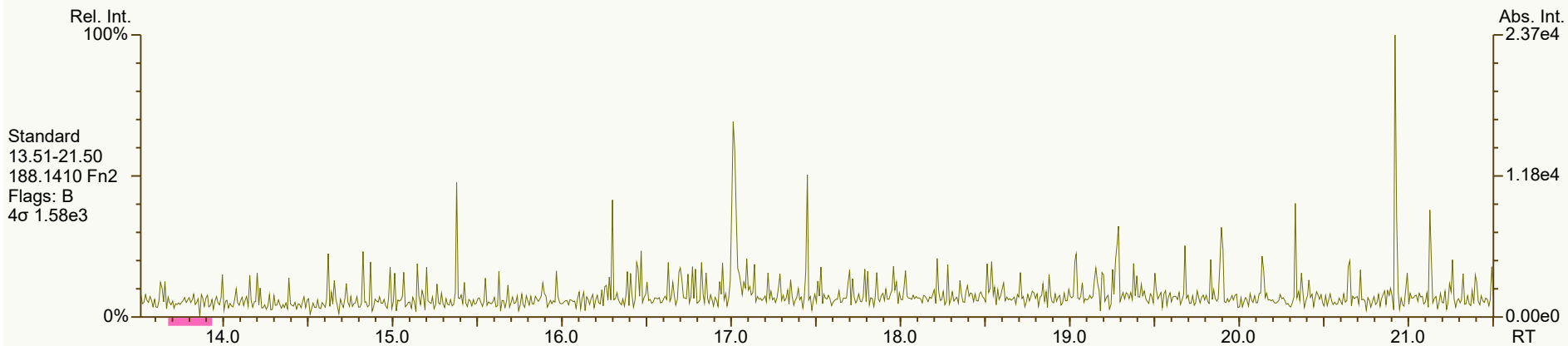
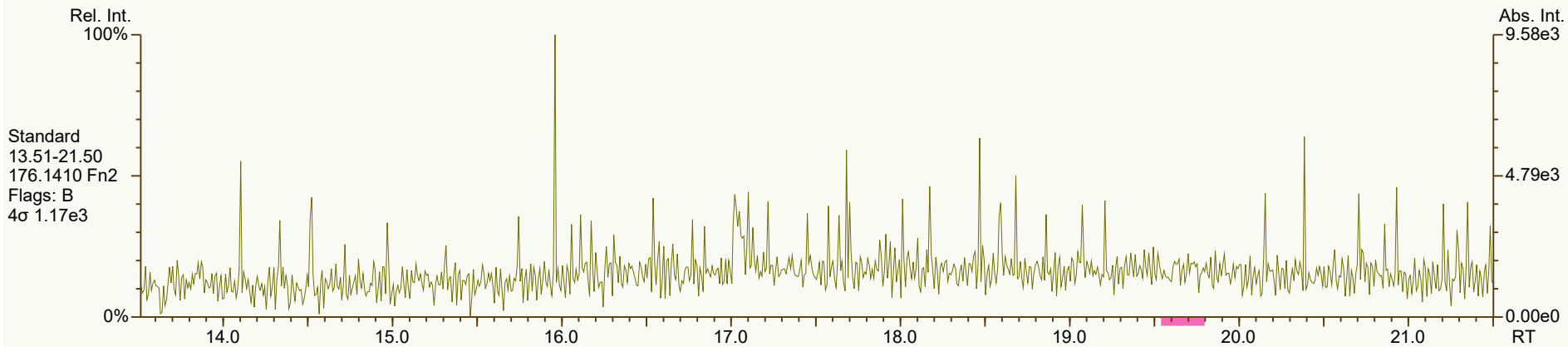
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4131, 1509, 0055, 0274 scc: 399-662

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:30 Page 4 of 9

SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

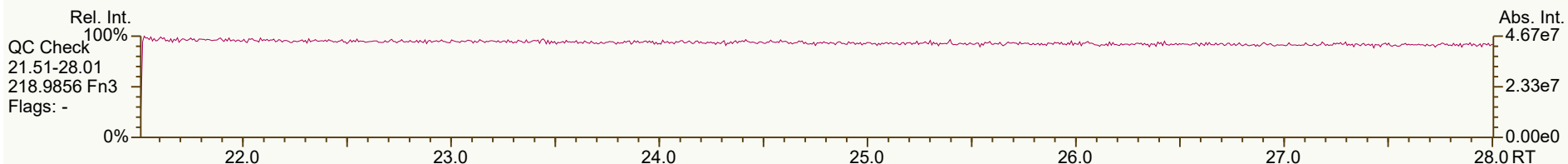
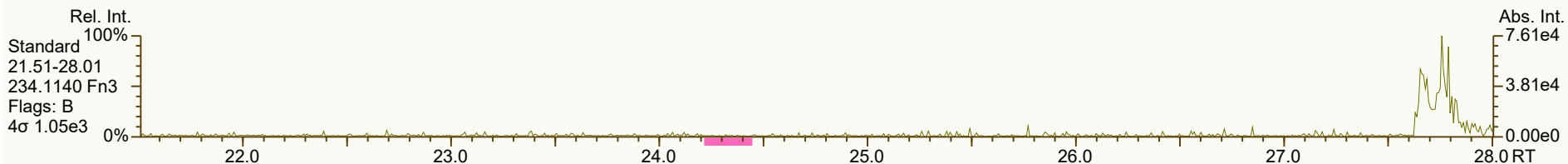
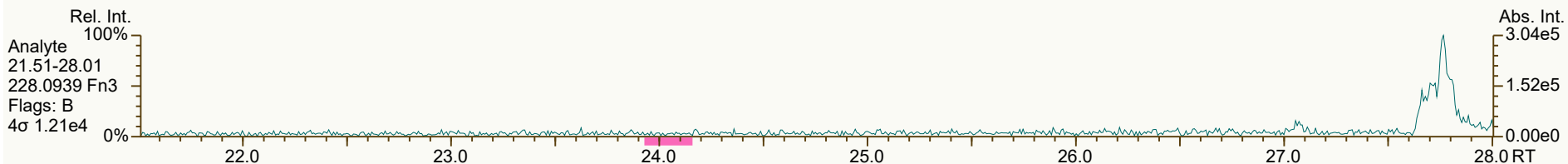
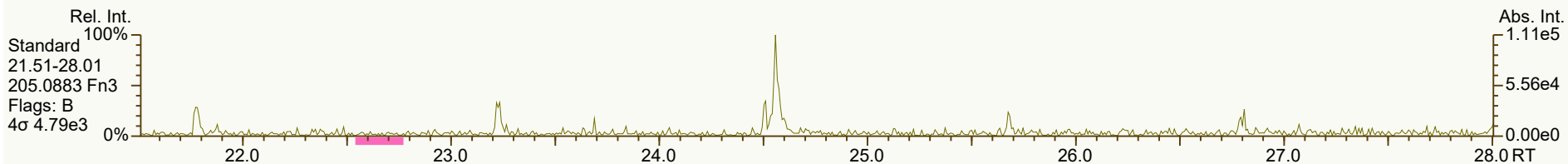
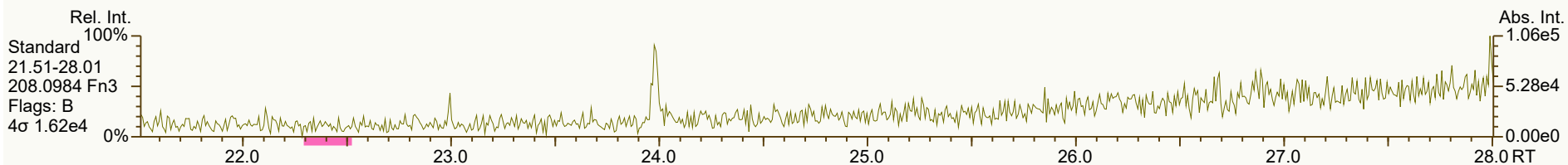
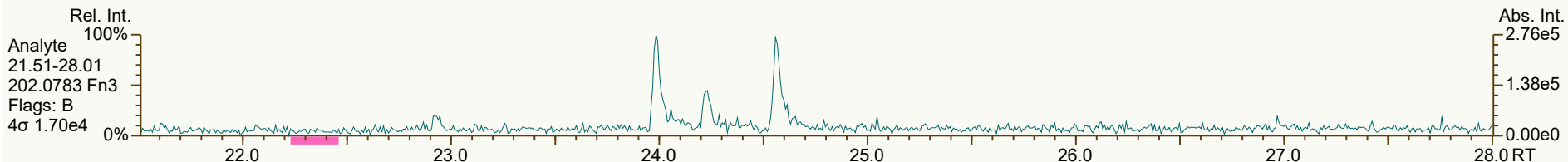
Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



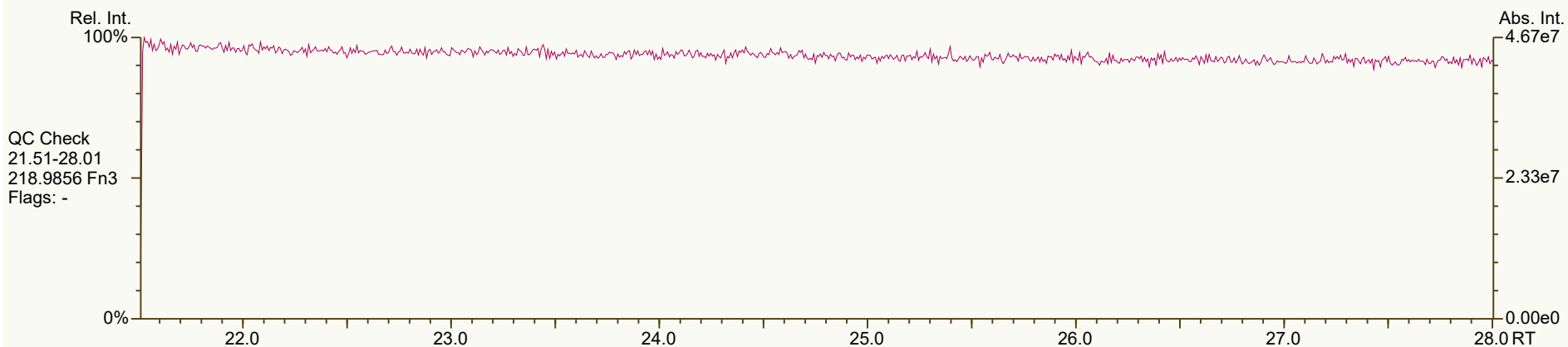
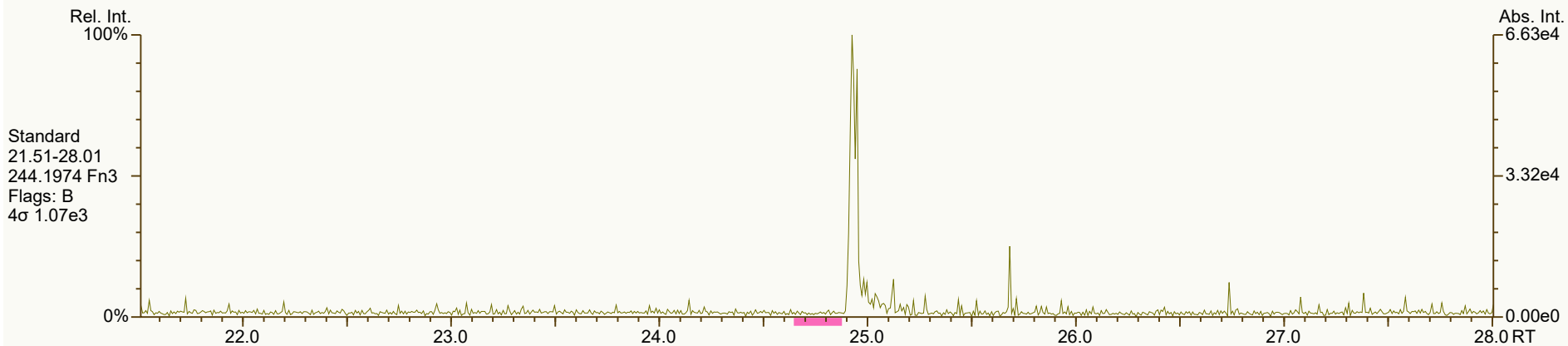
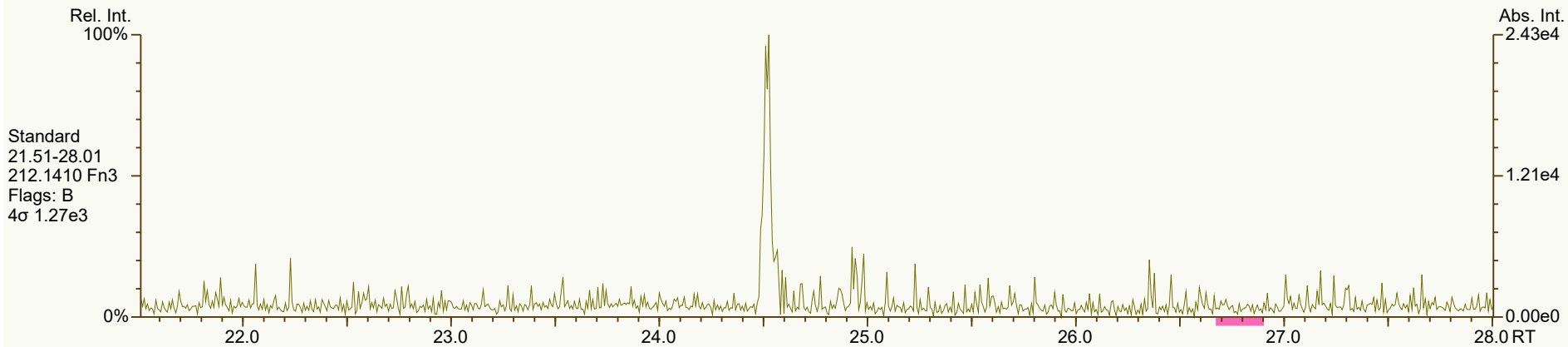
Results: P:\B9900_B9999\B9935\B9935_21527 PAH\Resources\SB_241014_PAH_VB.utp_res, saved 15-Oct-2024 09:36 (DTF)
SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4659, 7369, 9483, 2425, 4333 scc: 399-662

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:30 Page 6 of 9

SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

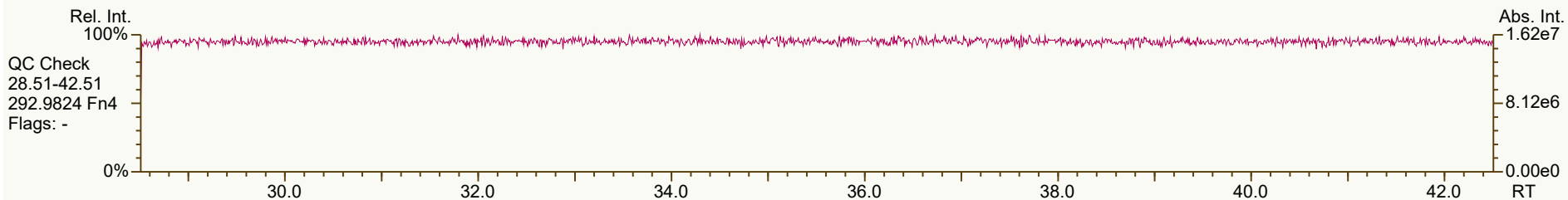
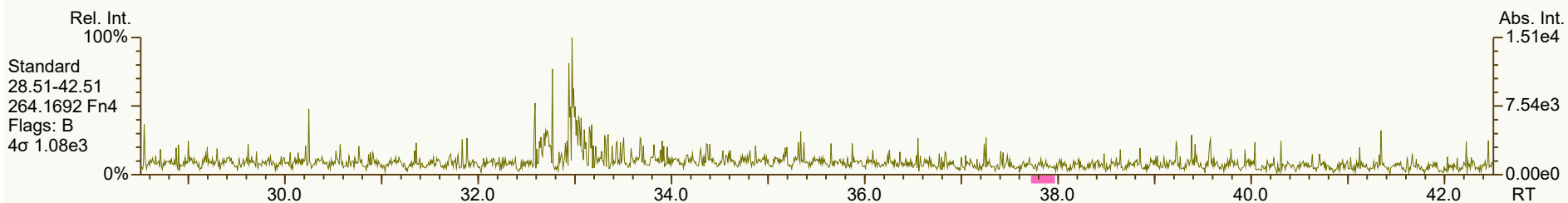
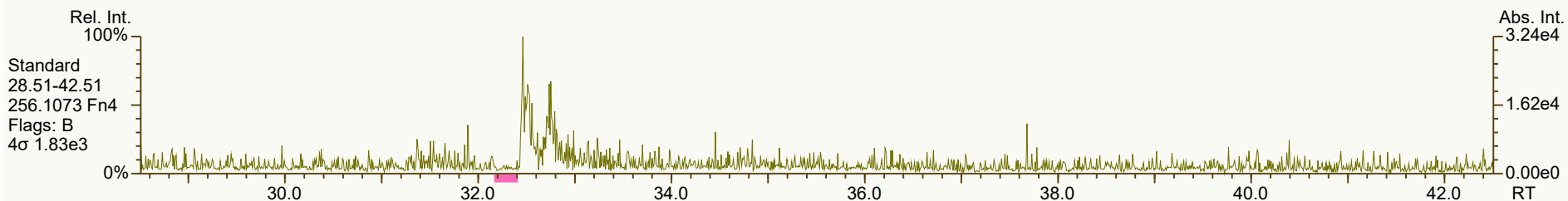
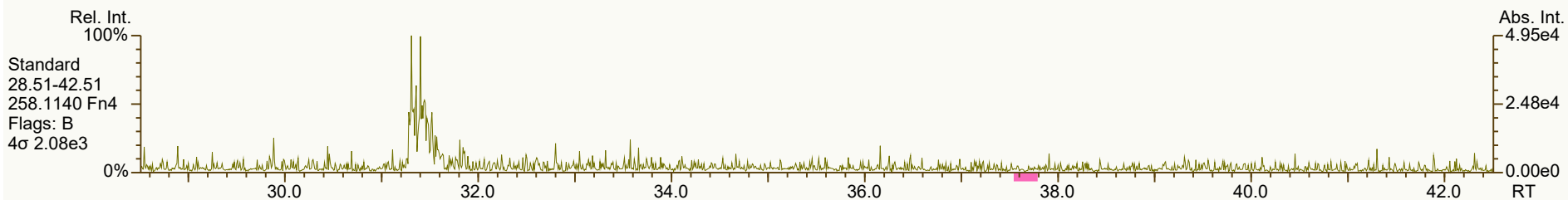
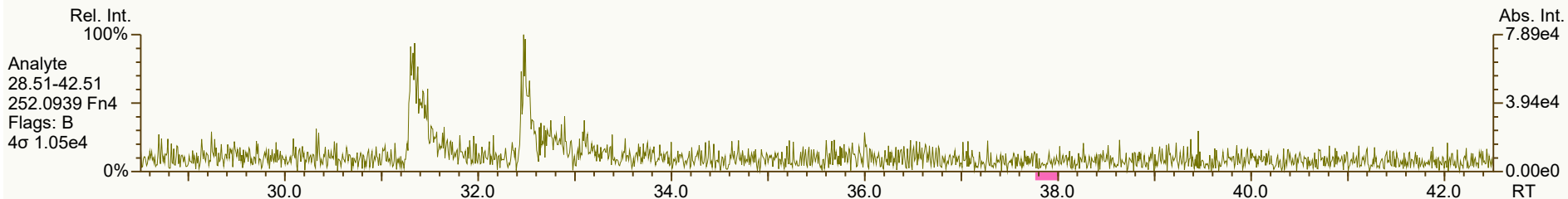
Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



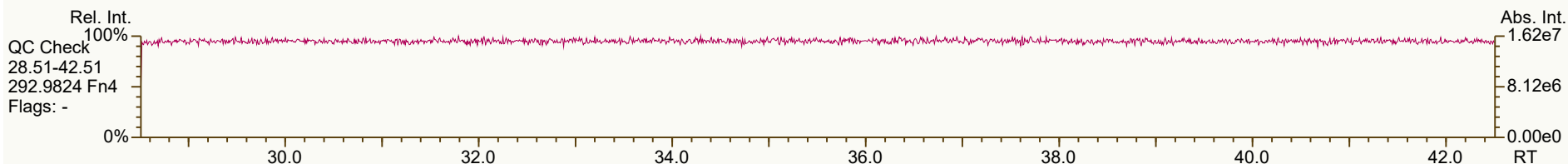
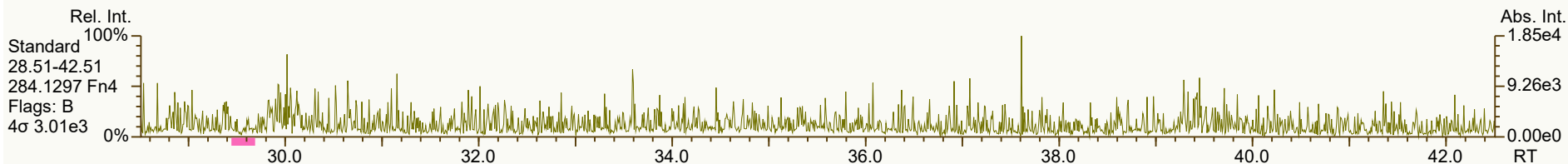
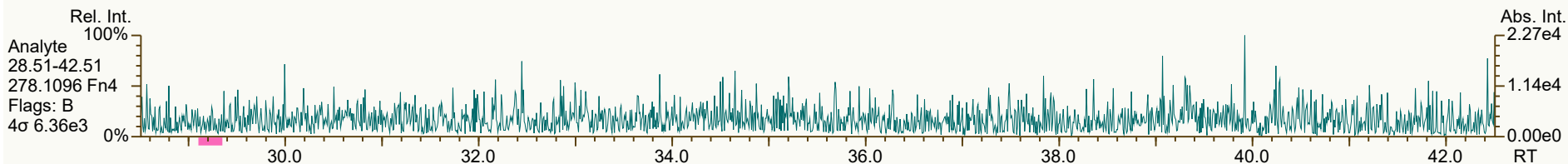
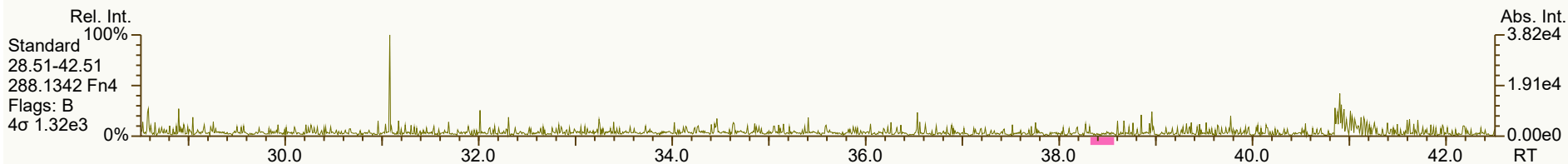
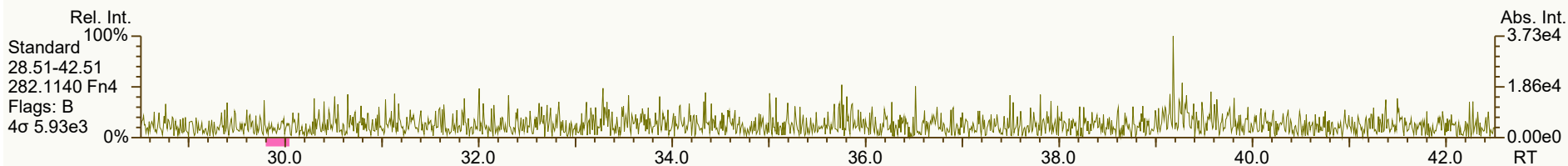
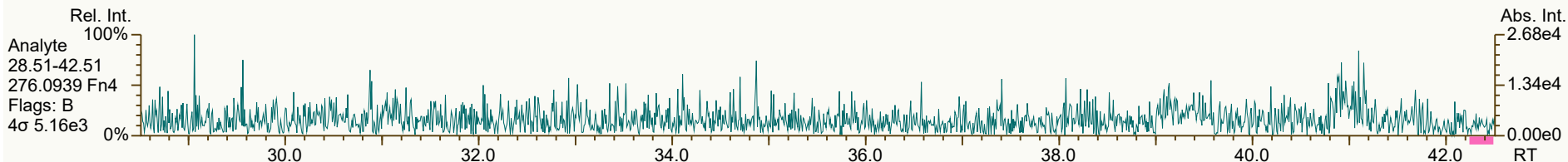
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3620, 2712, 1279, 7545 scc: 399-662

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:30 Page 8 of 9

SGS ID: SB_241014_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

Acq: 15-Oct-2024 02:28:51
User: DTF Datafile: 241014V23



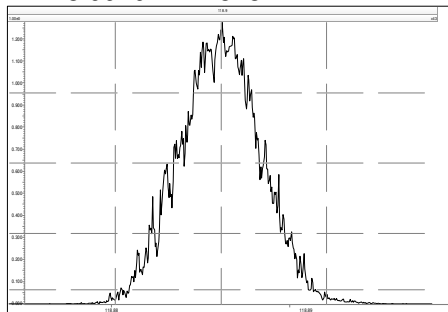
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1961, 1036, 4870, 8994, 7495 scc: 399-662

Peak annotation: Areas, Centroids
PKD: 15-Oct-2024 09:35 Printed: 15-Oct-2024 11:30 Page 9 of 9

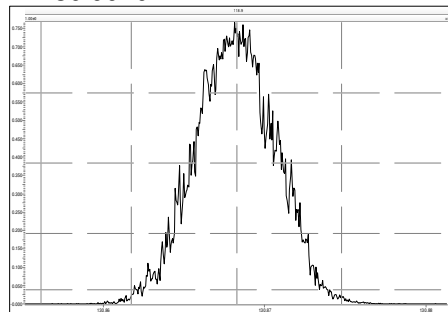
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Printed: Monday, October 14, 2024 09:18:22 Eastern Daylight Time

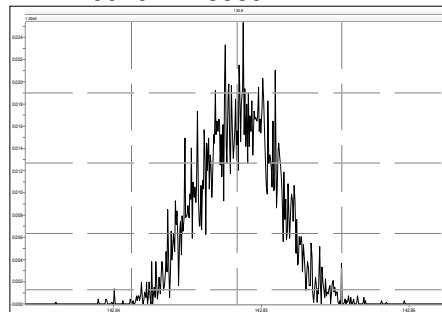
M 118.9920 R 11518



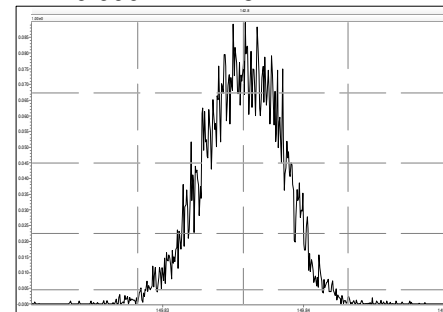
M 130.9920 R 11417



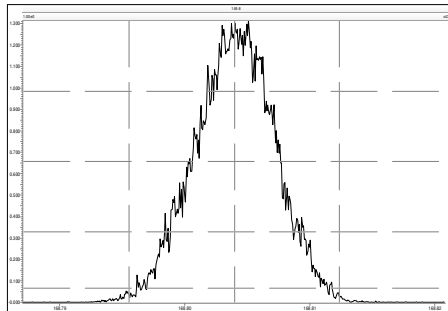
M 142.9920 R 13589



M 149.9904 R 12754



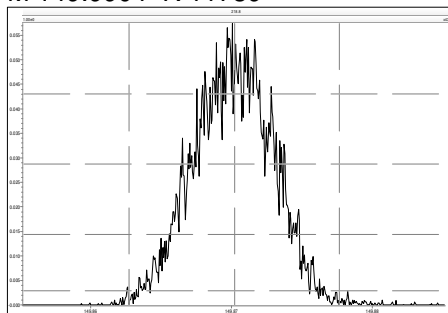
M 168.9888 R 11685



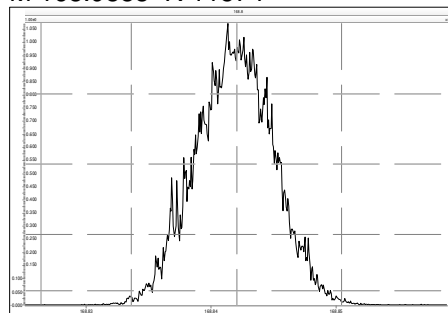
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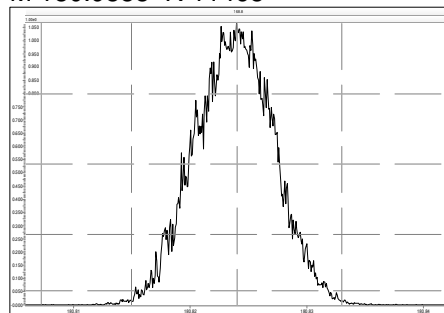
M 149.9904 R 11739



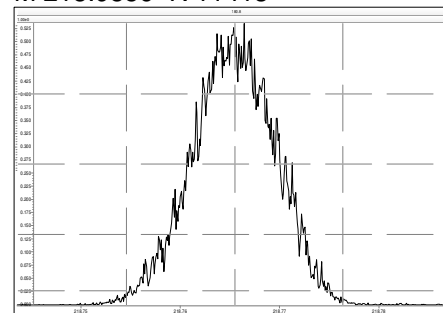
M 168.9888 R 11574



M 180.9888 R 11468



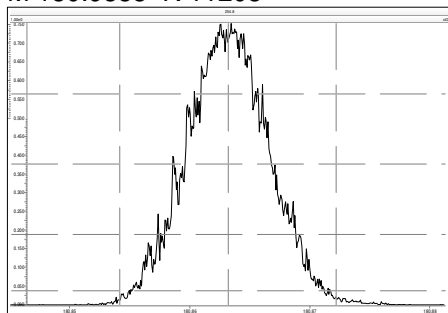
M 218.9856 R 11413



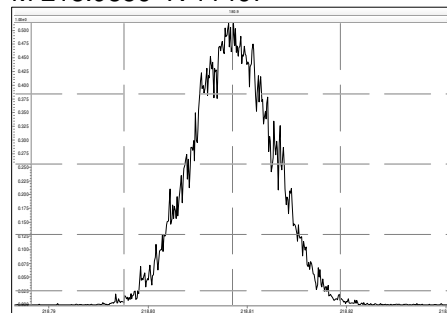
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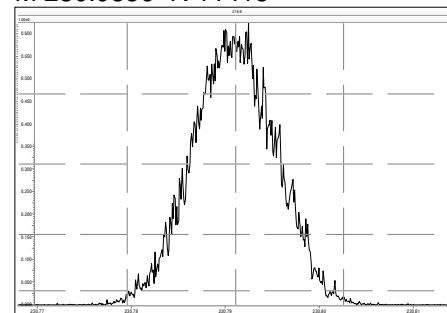
M 180.9888 R 11208



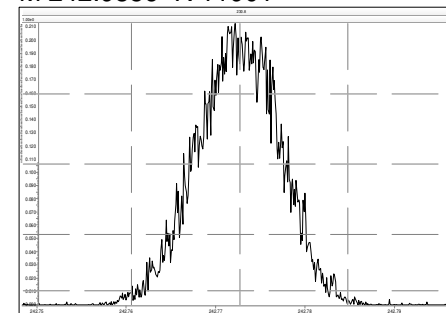
M 218.9856 R 11467



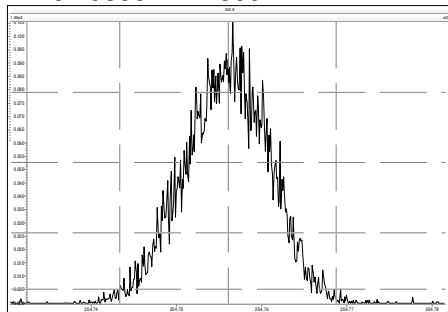
M 230.9856 R 11415



M 242.9856 R 11901



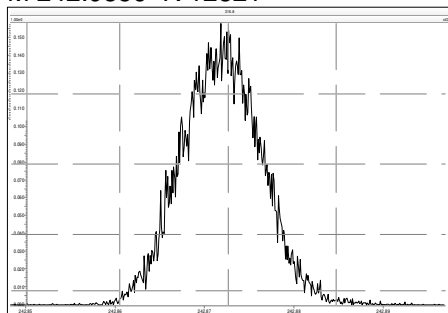
M 254.9856 R 12500



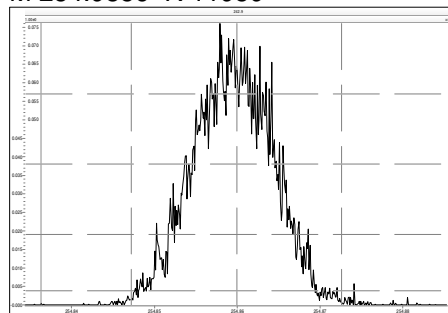
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Printed: Monday, October 14, 2024 09:19:51 Eastern Daylight Time

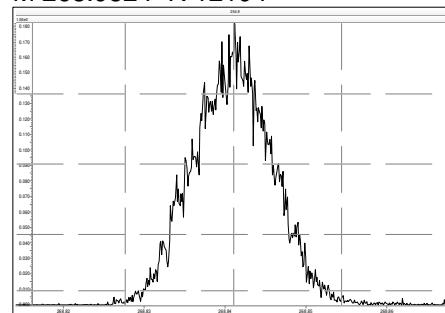
M 242.9856 R 12821



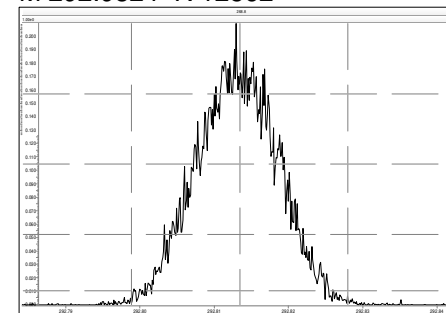
M 254.9856 R 11959



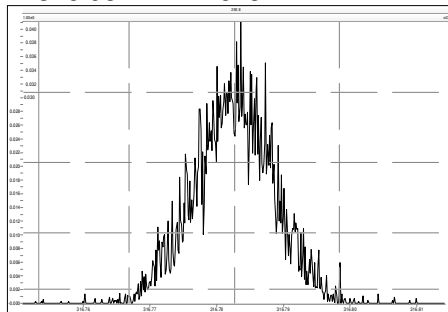
M 268.9824 R 12194



M 292.9824 R 12562

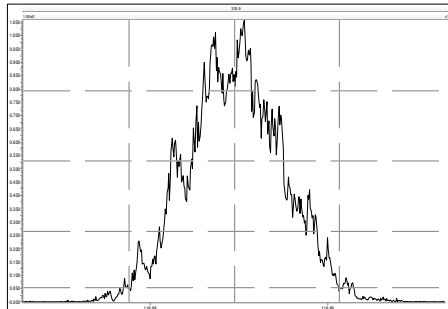


M 316.9824 R 11628

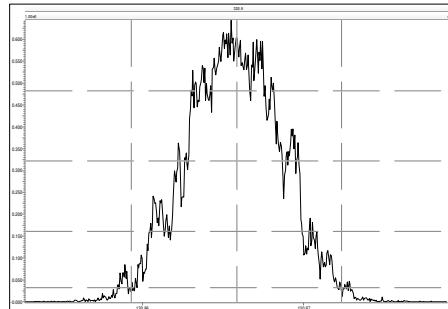


Printed: Tuesday, October 15, 2024 04:06:20 Eastern Daylight Time

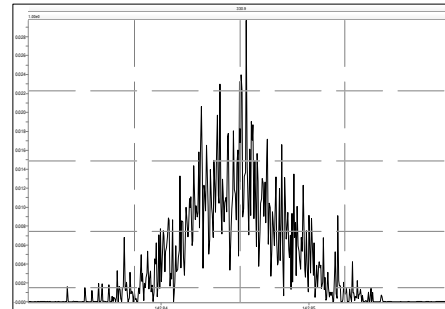
M 118.9920 R 10024



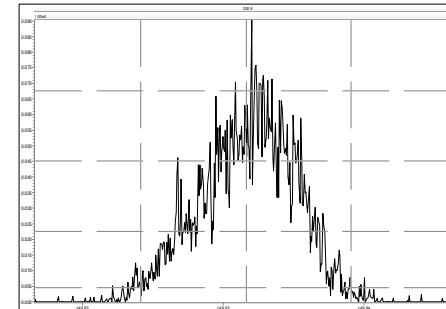
M 130.9920 R 10122



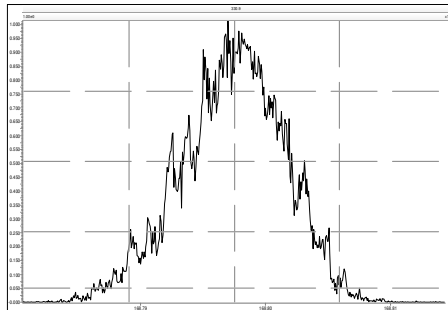
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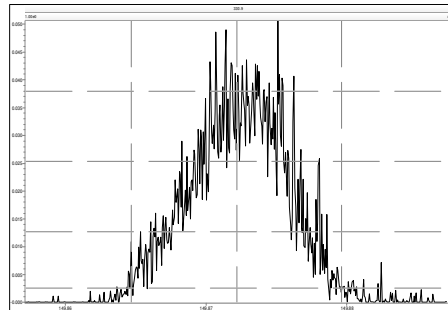
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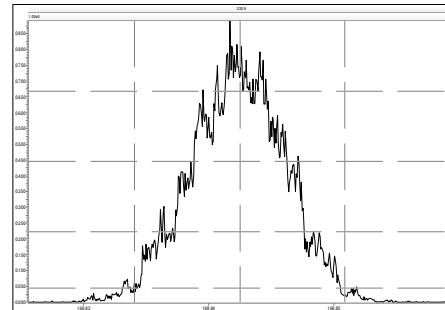
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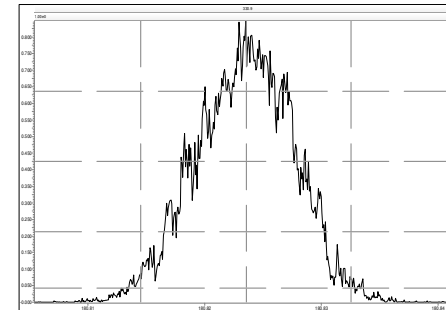
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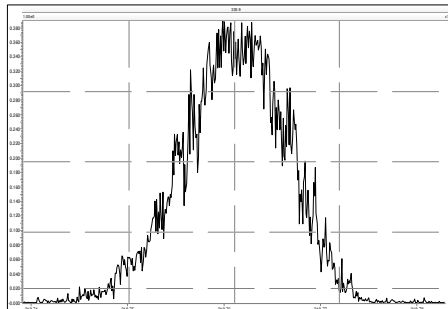
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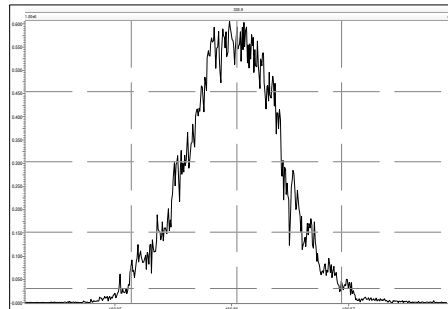
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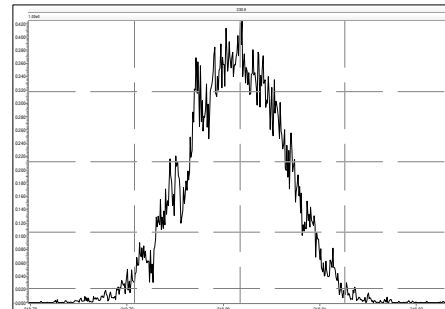
M 218.9856 R 9452



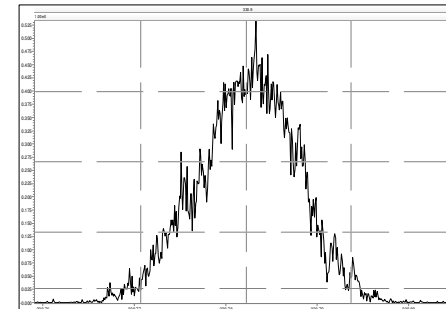
M 180.9888 R 10101



M 218.9856 R 10141

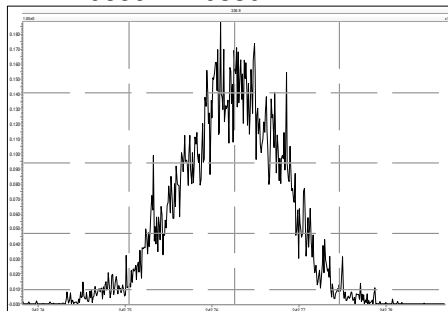


M 230.9856 R 9452

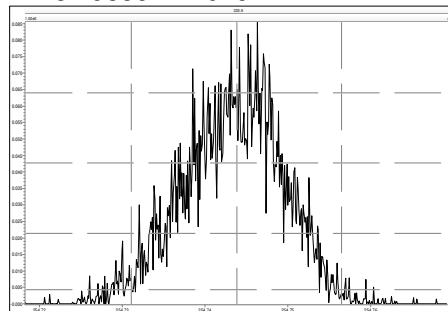


Printed: Tuesday, October 15, 2024 04:06:20 Eastern Daylight Time

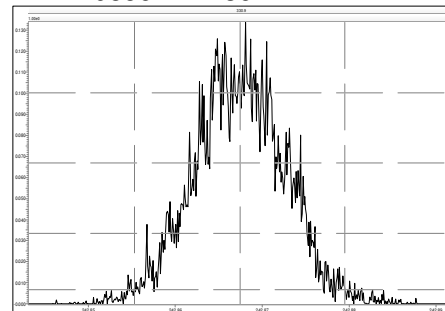
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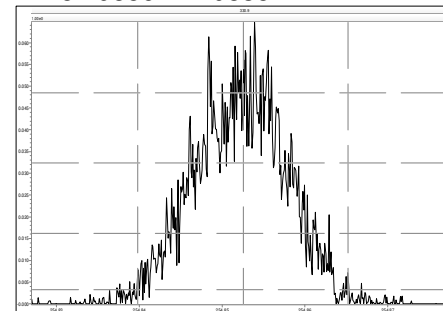
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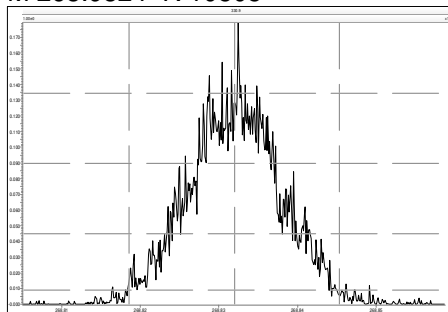
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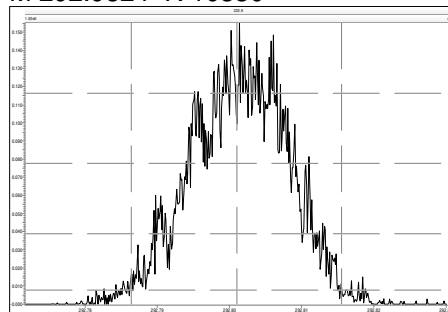
M 254.9856 R 10835



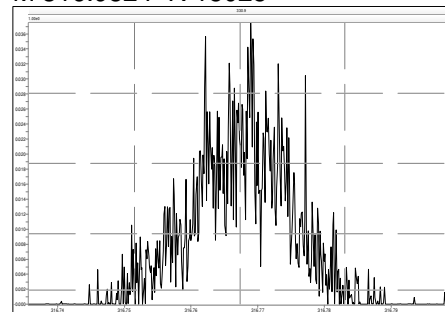
M 268.9824 R 10505



M 292.9824 R 10330



M 316.9824 R 15025



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	241016B11	1	CS3_241016_PCB_BC	1.00	ICAL SIL 27-92-1	JLJ	787-826	16-Oct-2024	22:44:43
12	241016B12	2	CS3_241016_PCB_BD	1.00	CPSM SIL 27-92-2	JLJ	796-509	16-Oct-2024	23:41:49
13	241016B13	10	MB1_21527_PCB_SDS-CU	1.00	Method Blank	JLJ	037-401	17-Oct-2024	00:40:32
14	241016B14	11	B9935_21527_PCB_001-CU	1.00	Test #1	JLJ	987-749 060-135	17-Oct-2024	01:39:13
15	241016B15	12	B9935_21527_PCB_002-CU	1.00	Test #2	JLJ	560-054	17-Oct-2024	02:37:56
16	241016B16	13	B9935_21527_PCB_003-CU	1.00	Test #3	JLJ	682-863	17-Oct-2024	03:36:37
17	241016B17	14	B9935_21527_PCB_004-CU	1.00	Test #4	JLJ	300-199	17-Oct-2024	04:35:19
18	241016B18	15	B9935_21527_PCB_005-CU	1.00	Test #5	JLJ	852-944	17-Oct-2024	05:34:01
19	241016B19	16	B9935_21527_PCB_006-CU	1.00	Test #6	JLJ	510-315	17-Oct-2024	06:32:42
20	241016B20	17	B9935_21527_PCB_007-CU	1.00	Test #7	JLJ	019-765	17-Oct-2024	07:31:24
21	241016B21	18	B9935_21527_PCB_008-CU	1.00	Field Blank	JLJ	910-748	17-Oct-2024	08:30:05

ICAL/CS3 - RRFs ES-54, ES-104, ES-126 and ES-188 >30% D from ICAL

TeCB -72 and HpCB -175 clipped slightly in CPSM.

ajb 10/22/24

REVIEWED

Jerry Jones , 10/21/2024, 4:02:11 PM

REVIEWED

paul_walton , 10/21/2024, 4:07:03 PM

APPROVED

Amy_Boehm , 10/22/2024, 2:33:34 PM

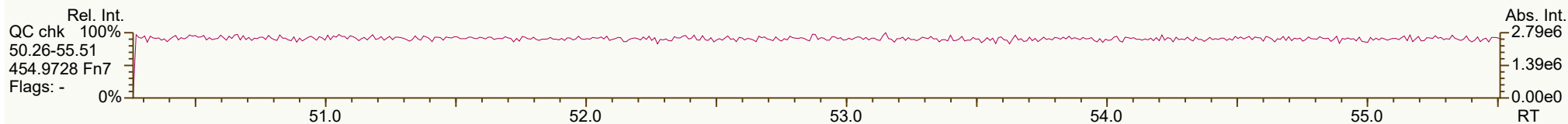
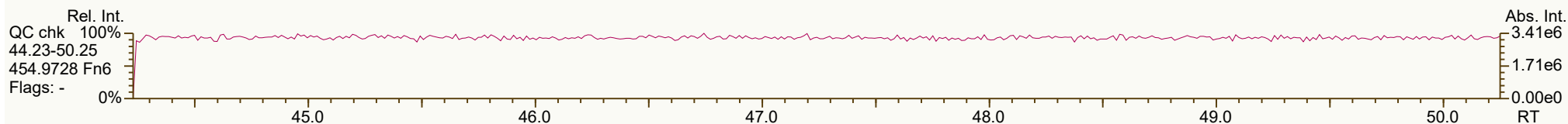
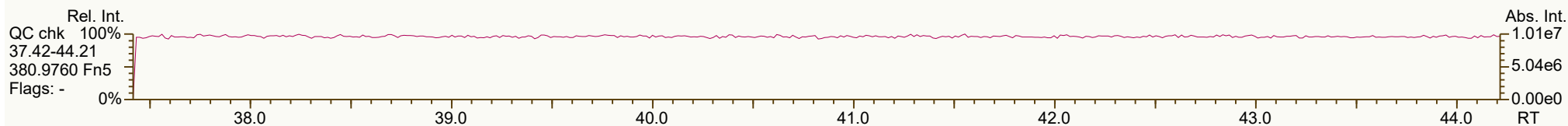
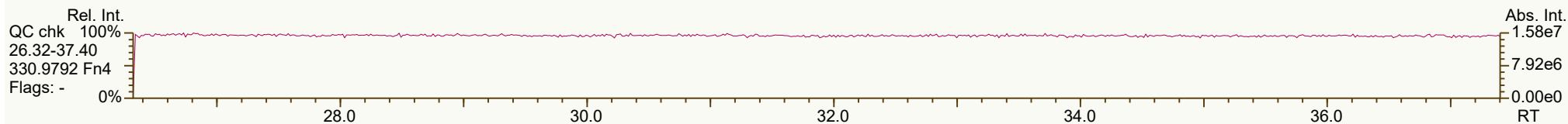
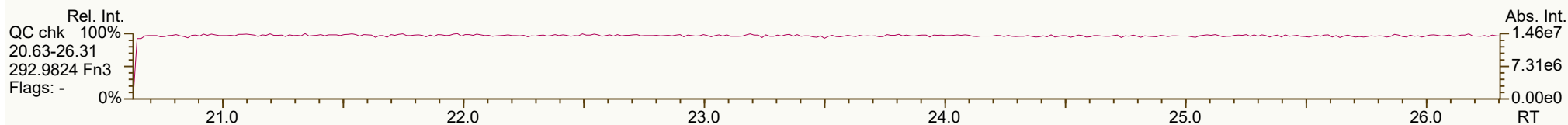
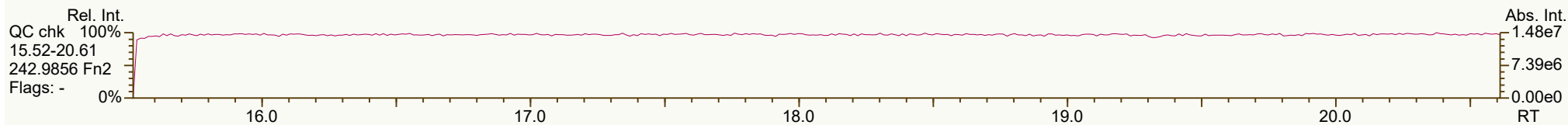
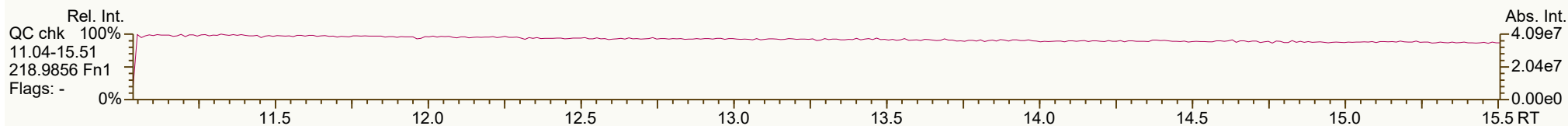
PCB QC Summary		SGS North America			Printed: 21 Oct 2024 15:37	
Lab ID:	CS3_241016_PCB_BC					
Acquired:	16-OCT-2024 22:44			ICAL: HRMS2_PCB_03MAY2024		
Datafile:	241016B11					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-77 33'44'-TeCB	32.01	8.27E+07	0.77 Y	0.95	0.85	-10.1%
PCB-81 344'5'-TeCB	31.52	8.43E+07	0.78 Y	0.94	0.83	-12.0%
PCB-105 233'44'-PeCB	34.97	8.30E+07	0.63 Y	0.97	1.01	3.8%
PCB-114 2344'5'-PeCB	34.41	8.78E+07	0.62 Y	0.96	1.00	4.3%
PCB-118 23'44'5'-PeCB	33.95	9.19E+07	0.63 Y	0.99	1.01	2.4%
PCB-123 23'44'5'-PeCB	33.66	9.10E+07	0.62 Y	0.96	1.01	5.3%
PCB-126 33'44'5'-PeCB	37.61	4.81E+07	0.59 Y	0.96	0.79	-17.6%
PCB-156/157 ...-HxCB	40.14	1.36E+08	1.27 Y	0.96	1.00	4.5%
PCB-167 23'44'55'-HxCB	39.14	7.23E+07	1.23 Y	0.94	1.01	7.4%
PCB-169 33'44'55'-HxCB	42.89	5.50E+07	1.24 Y	0.97	1.02	4.8%
PCB-189 233'44'55'-HpCB	45.00	3.66E+07	1.00 Y	0.93	0.86	-6.9%
PCB-209 DeCB	50.65	2.80E+07	1.18 Y	0.95	1.00	5.4%
ES PCB-1	11.32	3.00E+08	3.09 Y	1.19	1.09	-8.3%
ES PCB-3	13.54	2.93E+08	3.14 Y	1.13	1.07	-5.6%
ES PCB-4	13.76	1.58E+08	1.60 Y	0.72	0.57	-20.8%
ES PCB-15	19.38	3.00E+08	1.54 Y	1.07	1.09	1.8%
ES PCB-19	16.76	1.73E+08	1.08 Y	0.65	0.63	-3.3%
ES PCB-37	25.68	2.41E+08	1.03 Y	1.40	1.42	1.7%
ES PCB-54	19.62	1.26E+08	0.86 Y	1.23	0.74	-39.7%
ES PCB-77	31.99	1.94E+08	0.79 Y	1.28	1.15	-10.6%
ES PCB-81	31.50	2.03E+08	0.80 Y	1.33	1.20	-9.8%
ES PCB-104	24.52	1.21E+08	1.71 Y	1.32	0.78	-41.0%
ES PCB-105	34.95	1.65E+08	1.59 Y	1.26	1.06	-15.9%
ES PCB-114	34.39	1.75E+08	1.62 Y	1.34	1.12	-16.5%
ES PCB-118	33.92	1.82E+08	1.58 Y	1.31	1.16	-11.1%
ES PCB-123	33.64	1.80E+08	1.56 Y	1.27	1.15	-9.1%
ES PCB-126	37.59	1.21E+08	1.51 Y	1.19	0.77	-34.7%
ES PCB-153	35.49	1.06E+08	1.32 Y	1.11	1.15	3.3%
ES PCB-155	29.43	1.61E+08	1.33 Y	1.45	1.76	21.0%
ES PCB-156/157	40.12	2.72E+08	1.26 Y	1.24	1.48	19.4%
ES PCB-167	39.12	1.44E+08	1.23 Y	1.29	1.56	21.4%
ES PCB-169	42.87	1.08E+08	1.27 Y	1.18	1.18	-0.1%
ES PCB-170	42.35	7.36E+07	1.10 Y	1.06	1.13	6.5%
ES PCB-180	41.26	9.47E+07	1.06 Y	1.25	1.45	15.9%
ES PCB-188	34.33	8.19E+07	1.16 Y	1.36	0.89	-34.6%
ES PCB-189	44.98	8.50E+07	1.01 Y	1.37	1.30	-5.1%
ES PCB-202	38.89	8.94E+07	0.97 Y	1.19	0.97	-18.4%
ES PCB-205	47.19	8.01E+07	0.90 Y	1.23	1.23	-0.4%
ES PCB-206	48.87	5.13E+07	0.82 Y	0.89	0.78	-11.7%
ES PCB-208	44.54	8.97E+07	0.82 Y	1.26	1.37	9.3%
ES PCB-209	50.63	5.56E+07	1.21 Y	0.98	0.85	-13.4%

PCB QC Summary		SGS North America			Printed: 21 Oct 2024 15:37	
Lab ID:	CS3_241016_PCB_BC					
Acquired:	16-OCT-2024 22:44			ICAL: HRMS2_PCB_03MAY2024		
Datafile:	241016B11					
Name	RT	Response	RA	ICAL	RRF	Deviation
SS PCB-28	22.09	2.81E+08	1.05 Y	1.04	1.17	12.6%
SS PCB-111	31.95	1.86E+08	1.60 Y	0.98	1.03	5.0%
SS PCB-178	36.93	5.03E+07	1.12 Y	0.71	0.61	-13.1%
CS PCB-28	22.09	2.81E+08	1.05 Y	1.44	1.66	15.2%
CS PCB-111	31.95	1.86E+08	1.60 Y	1.24	1.19	-4.2%
CS PCB-178	36.93	5.03E+07	1.12 Y	0.96	0.55	-43.1%
JS PCB-9	15.69	2.75E+08	1.56 Y			
JS PCB-52	23.69	1.69E+08	0.80 Y			
JS PCB-101	29.65	1.56E+08	1.60 Y			
JS PCB-138	36.57	9.19E+07	1.33 Y			
JS PCB-194	46.76	6.53E+07	0.89 Y			
PCB-1 2-MoCB	11.34	1.21E+08	3.01 Y	1.01	0.81	-19.9%
PCB-3 4-MoCB	13.55	1.24E+08	2.94 Y	1.01	0.85	-16.4%
PCB-4 22'-DiCB	13.78	9.37E+07	1.61 Y	0.98	1.19	20.8%
PCB-15 44'-DiCB	19.40	1.23E+08	1.47 Y	0.97	0.82	-15.0%
PCB-19 22'6-TrCB	16.78	9.65E+07	1.03 Y	1.03	1.12	8.2%
PCB-37 344'-TrCB	25.69	1.15E+08	1.02 Y	1.03	0.95	-7.5%
PCB-54 22'66'-TeCB	19.64	8.04E+07	0.85 Y	1.09	1.27	17.1%
PCB-104 22'466'-PeCB	24.55	7.27E+07	0.64 Y	1.00	1.20	20.0%
PCB-155 22'44'66'-HxCB	29.46	9.19E+07	1.29 Y	0.95	1.14	19.5%
PCB-188 22'34'566'-HpCB	34.35	4.92E+07	1.13 Y	0.96	1.20	24.8%
PCB-202 22'33'55'66'-OcCB	38.91	4.88E+07	0.89 Y	0.96	1.09	14.3%
PCB-205 233'44'55'6-OcCB	47.21	3.79E+07	0.88 Y	0.92	0.95	2.6%
PCB-208 22'33'455'66'-NoCB	44.56	4.71E+07	0.80 Y	0.96	1.05	9.6%
PCB-206 22'33'44'55'6-NoCB	48.89	2.54E+07	0.80 Y	0.93	0.99	6.9%
AS PCB-32	19.77	2.47E+08	1.10 Y	0.84	0.90	6.3%
AS PCB-97	30.60	1.37E+08	1.62 Y	0.85	0.88	2.6%
AS PCB-159	38.47	1.40E+08	1.27 Y	1.16	1.52	31.4%

SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
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Acq: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



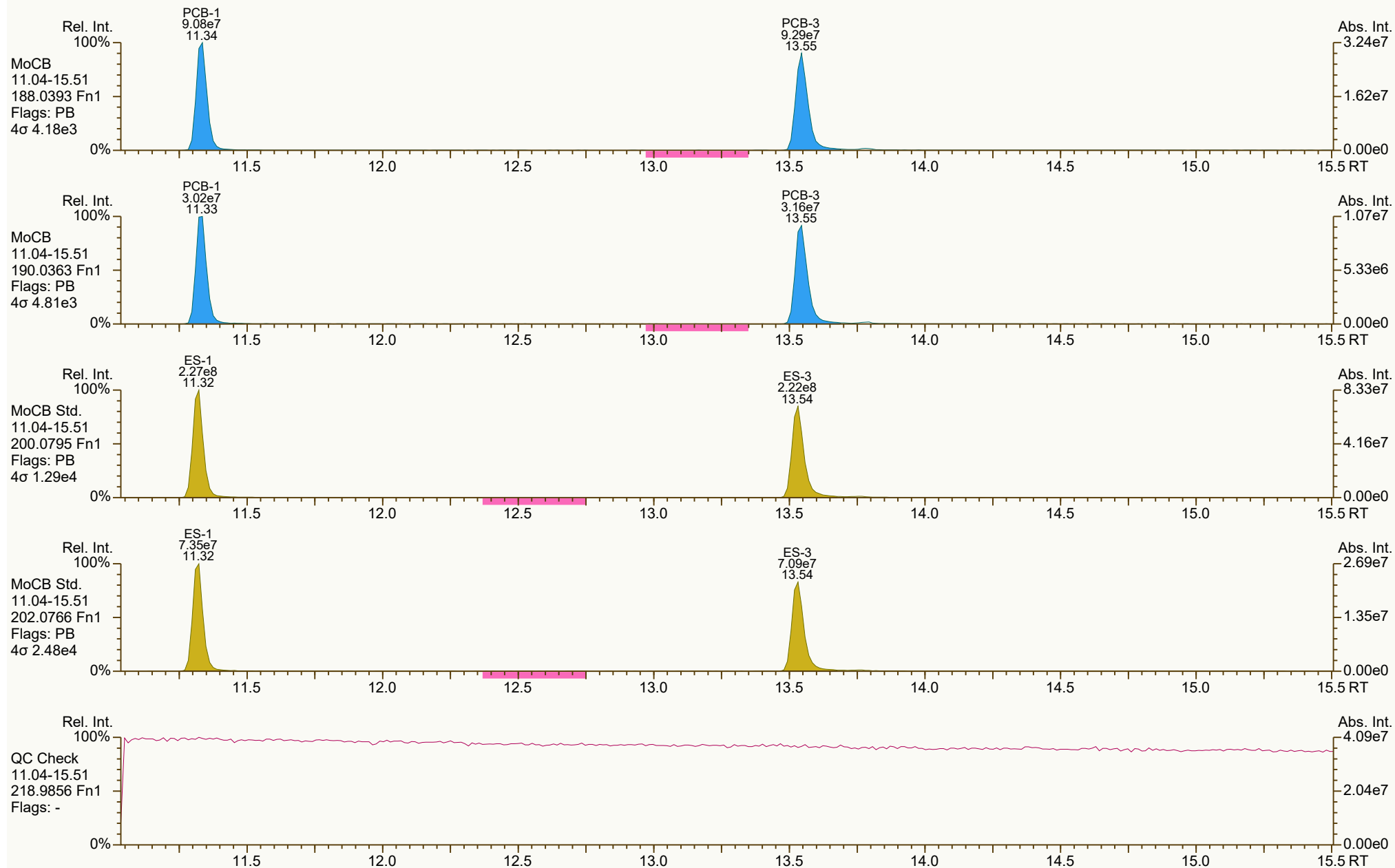
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 21-Oct-2024 15:44 Page 1 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



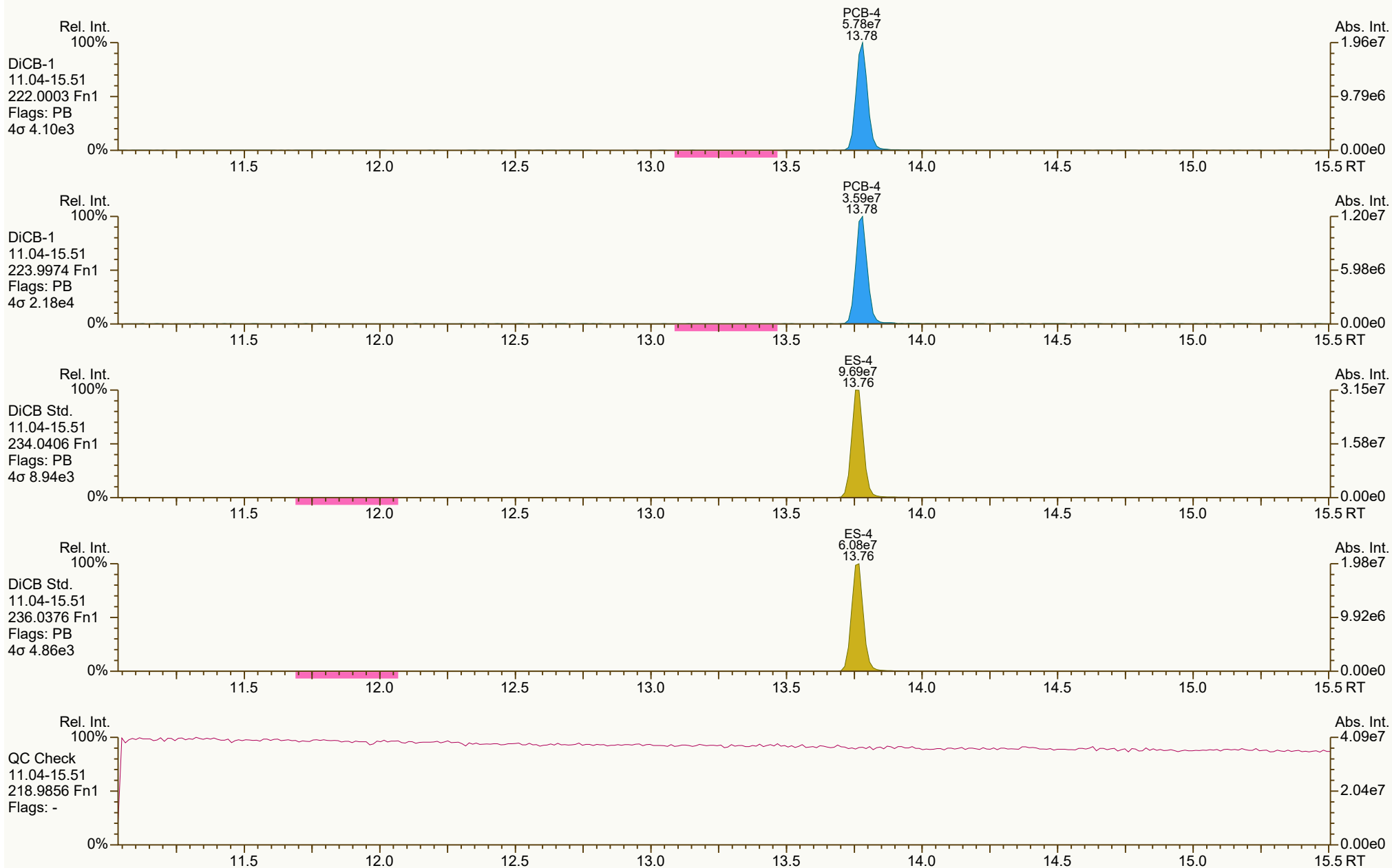
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Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:44 Page 2 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



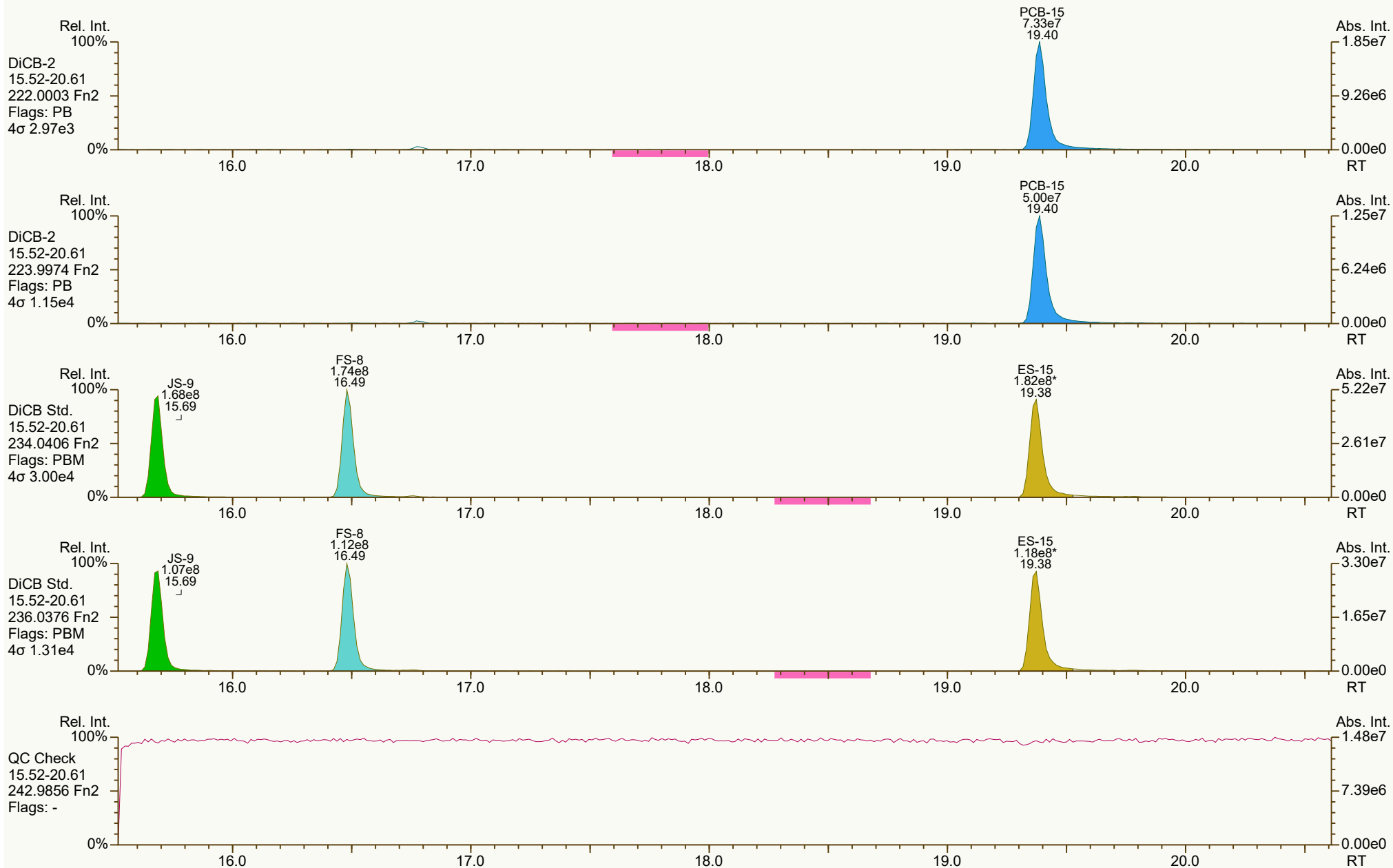
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Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:44 Page 3 of 21

SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

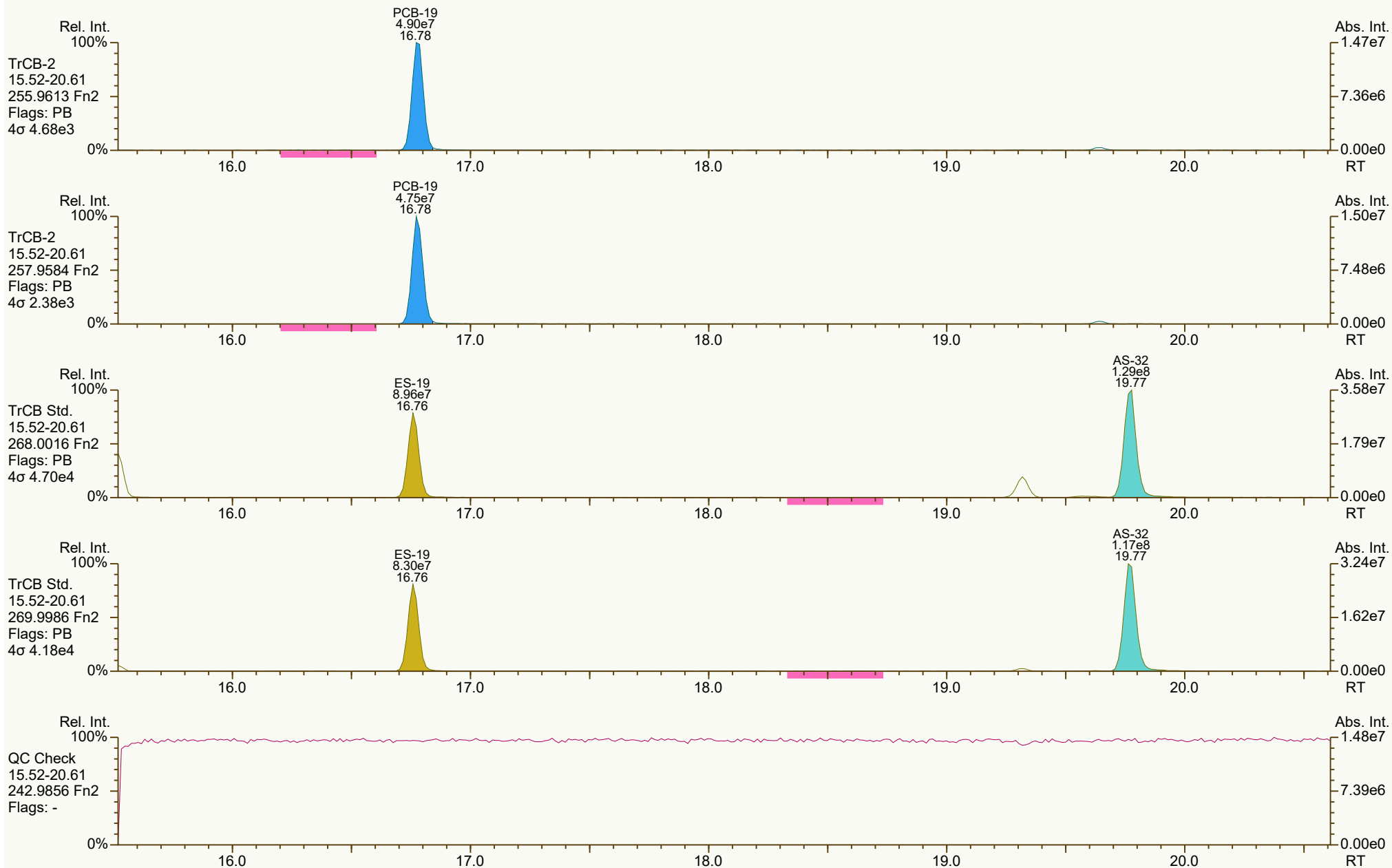
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SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

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SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
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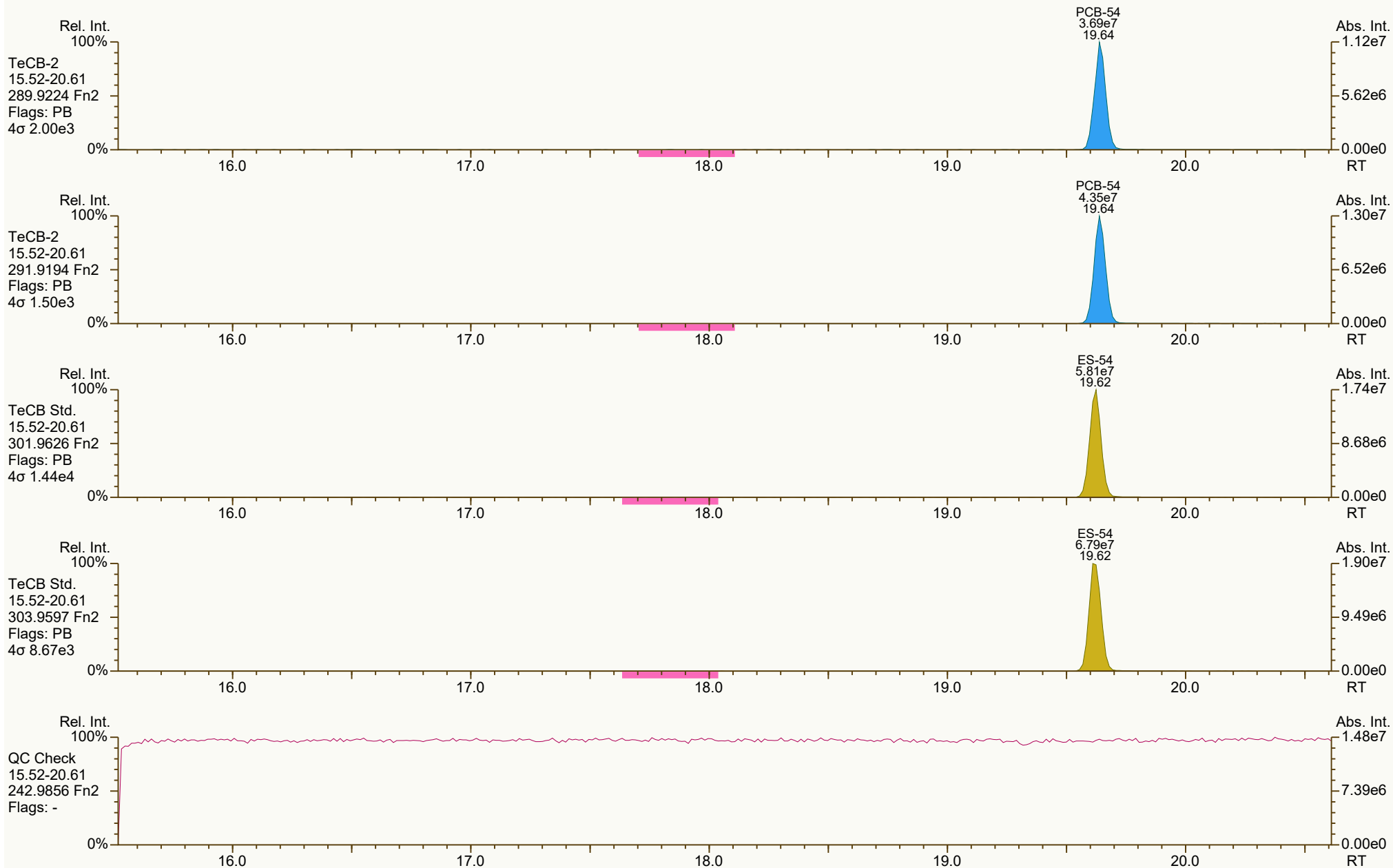
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Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

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SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

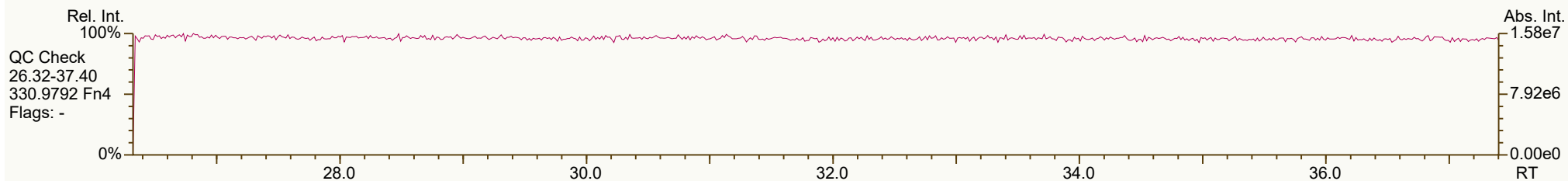
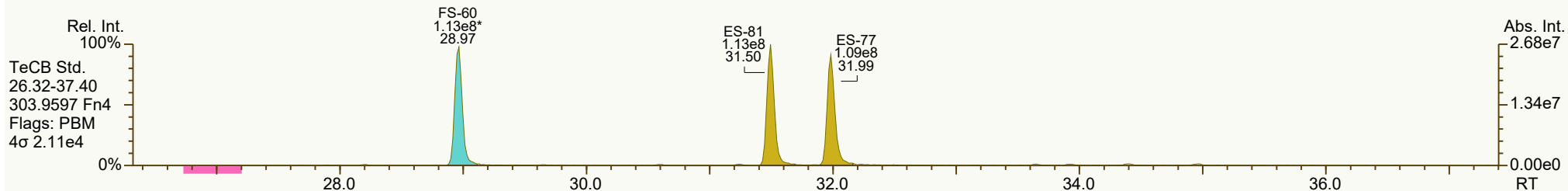
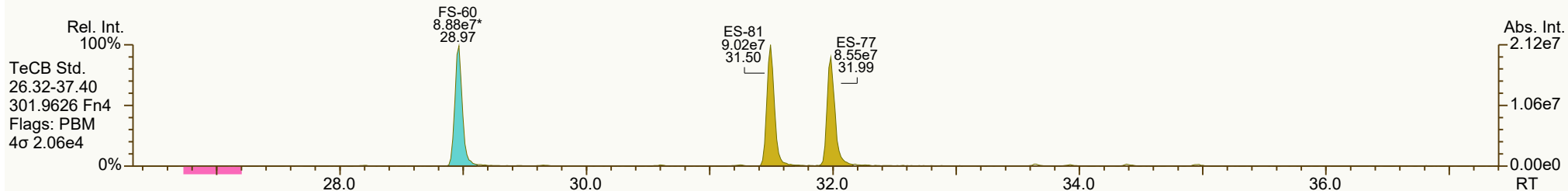
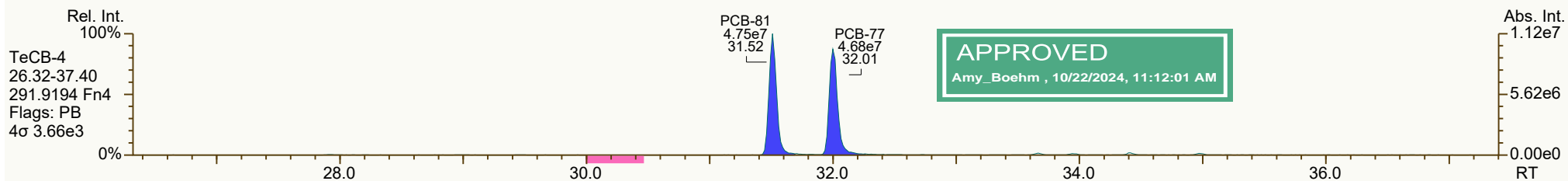
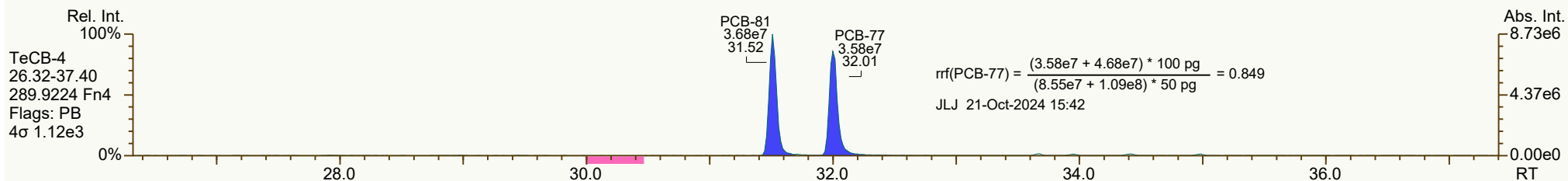
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SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

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User: JLJ Datafile: 241016B11



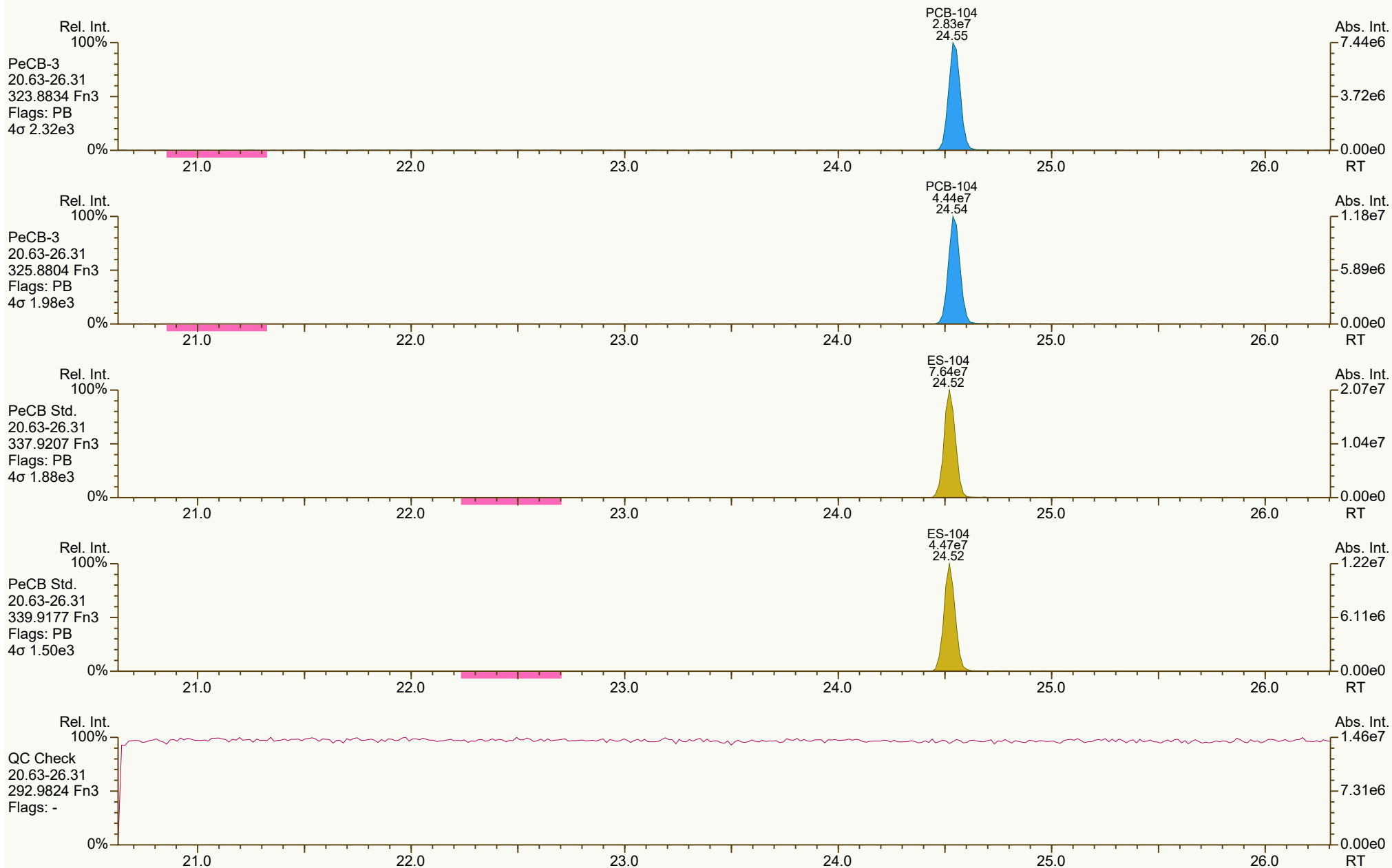
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Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:36 (JLJ) Printed: 21-Oct-2024 15:44 Page 9 of 21

SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

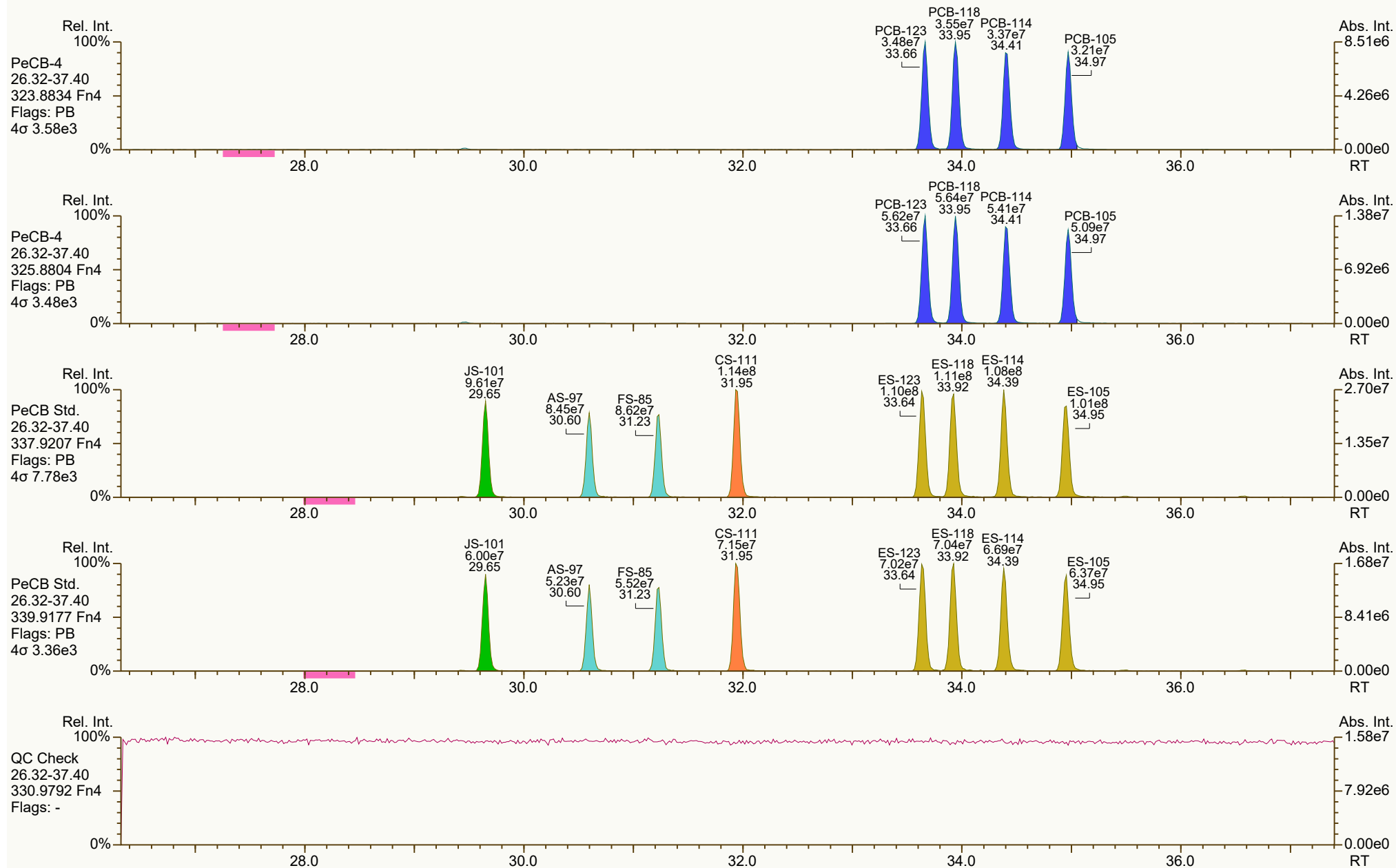
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SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



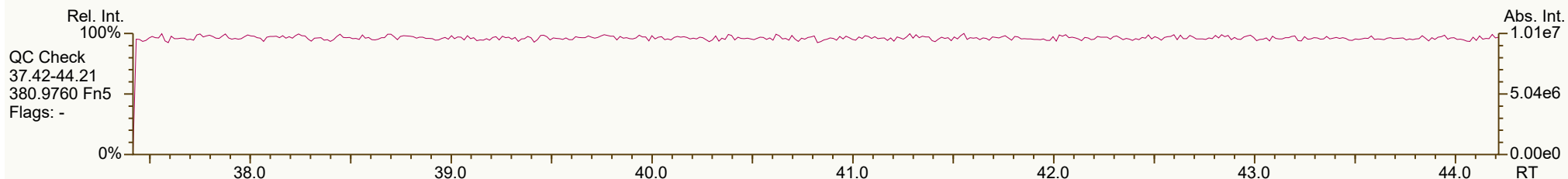
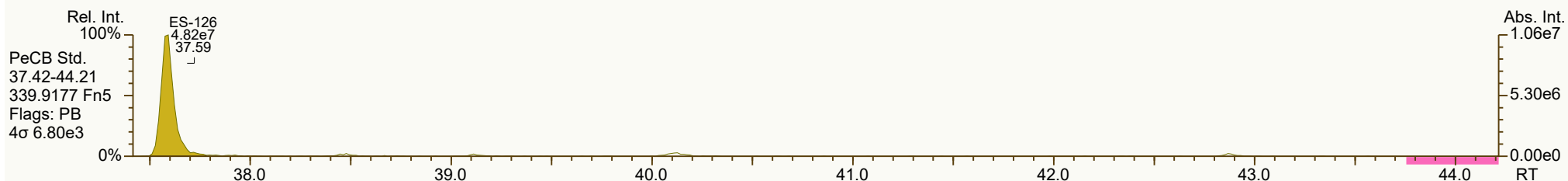
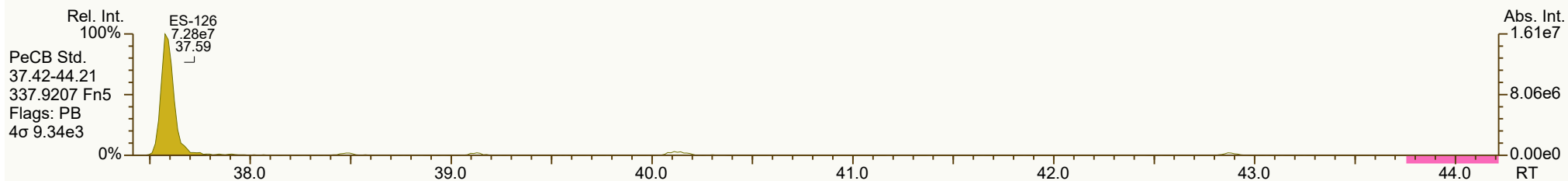
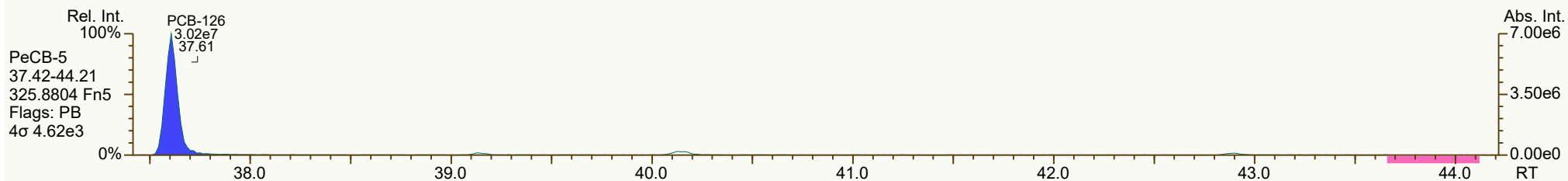
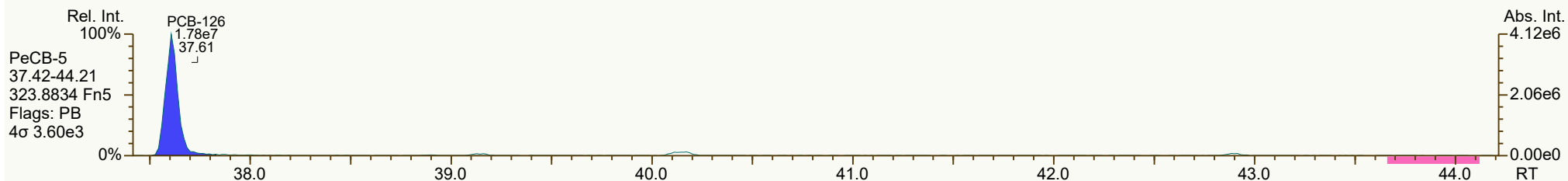
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 2284, 8338 scc: 787-826

Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:44 Page 11 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



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Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:44 Page 12 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 22:44:43
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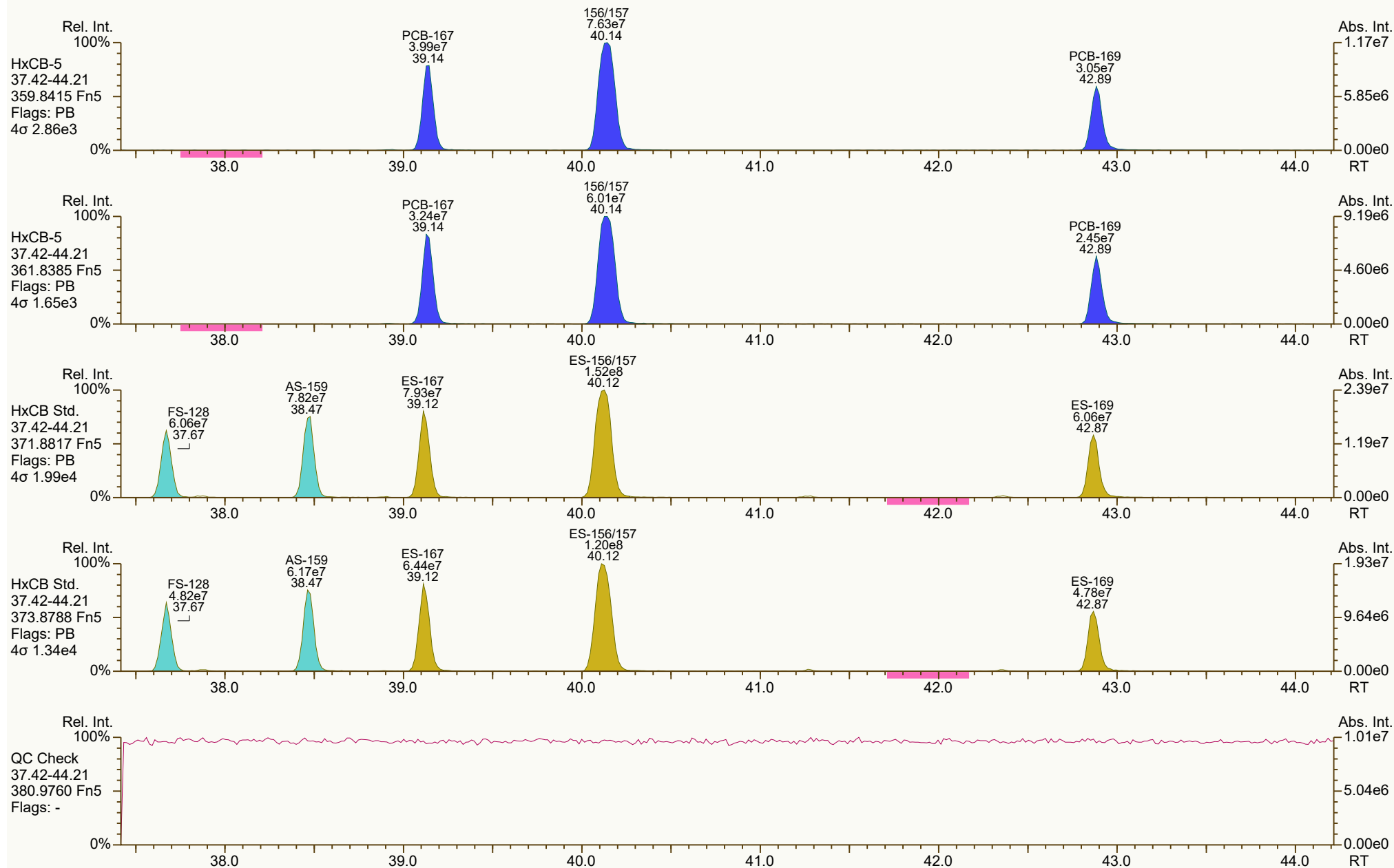
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Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:44 Page 13 of 21

SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

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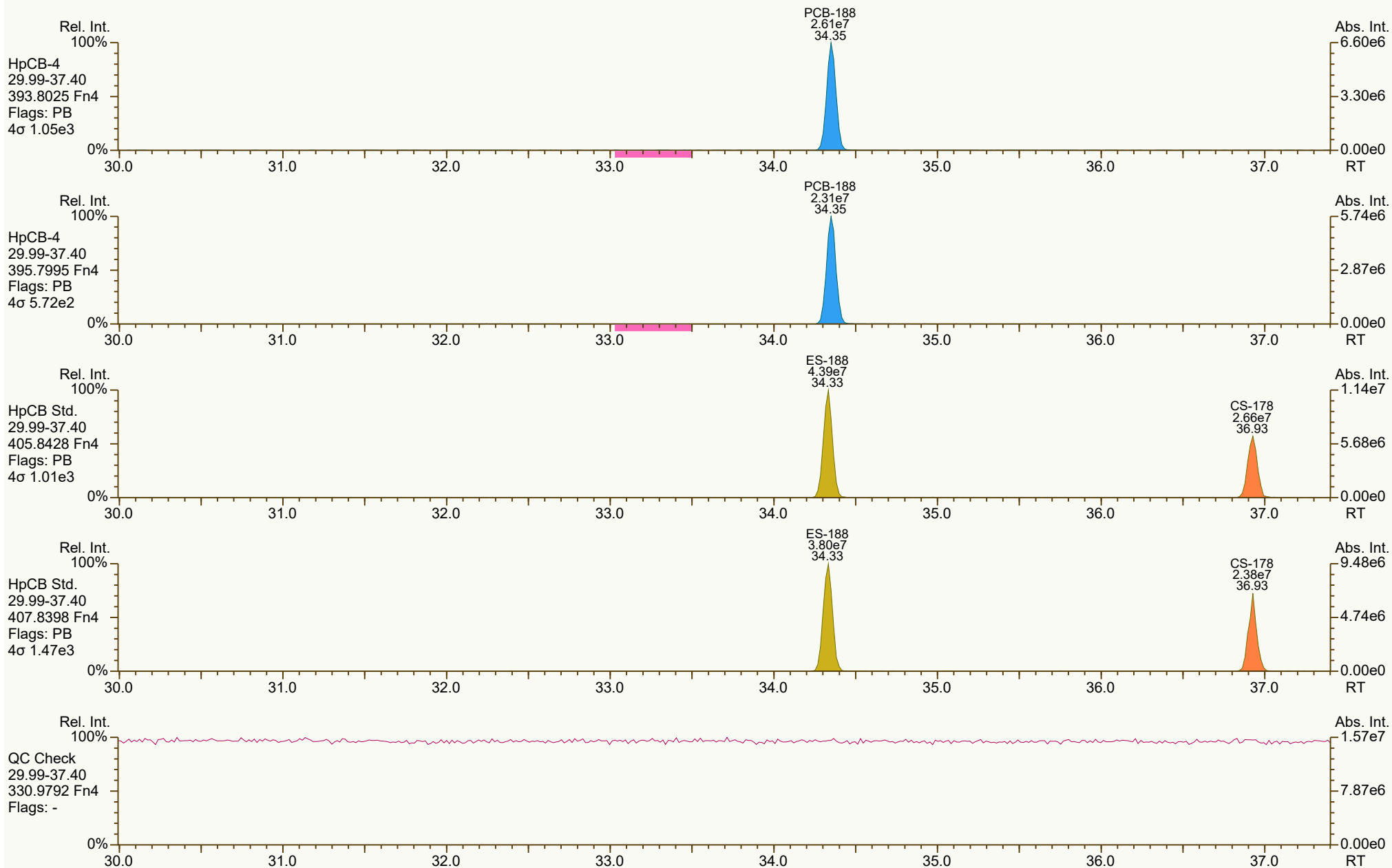
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 3153, 4837 scc: 787-826

Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:45 Page 14 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
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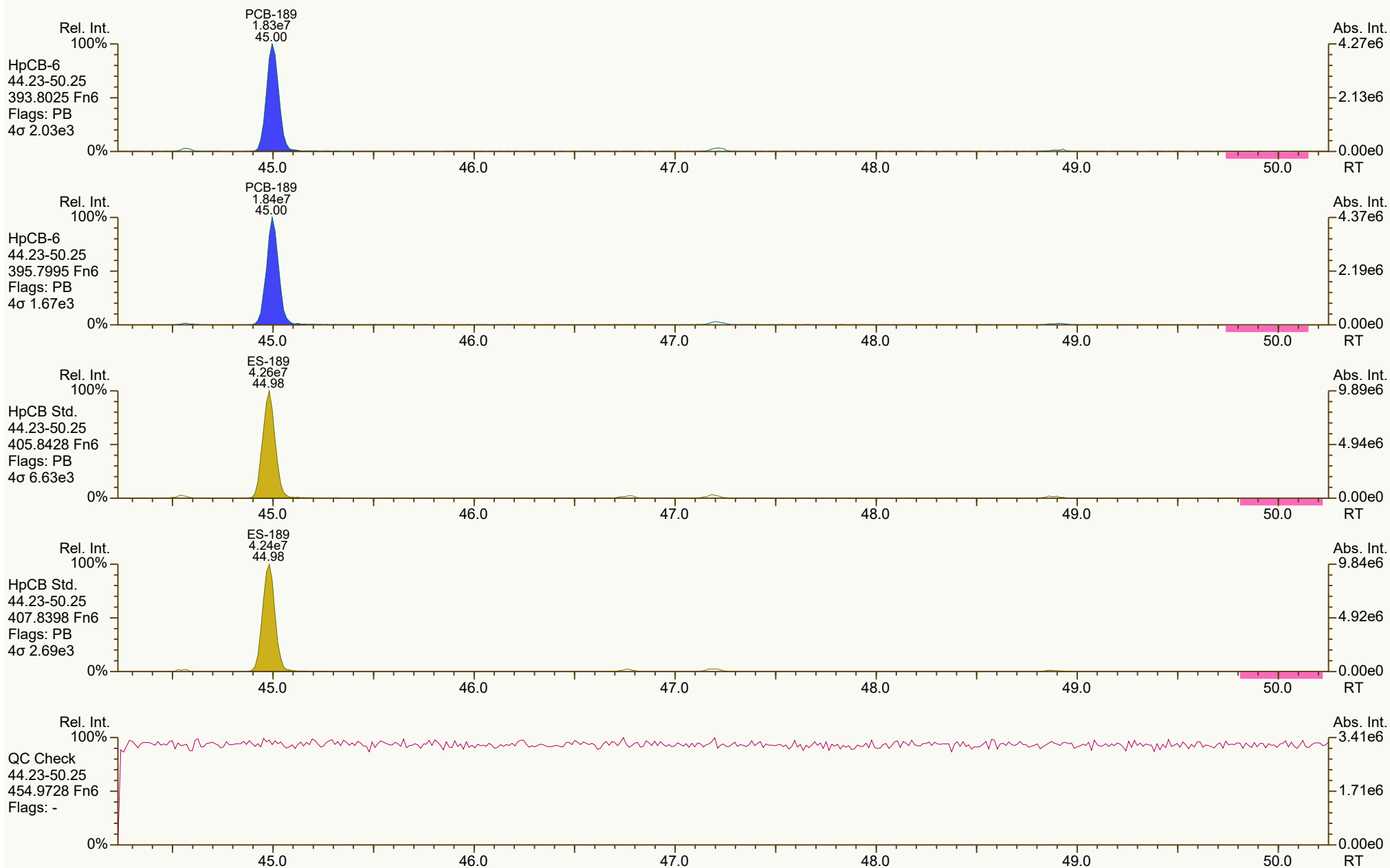
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SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 16-Oct-2024 22:44:43
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SGS ID: CS3_241016_PCB_BC
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Sample ID: ICAL SIL 27-92-1
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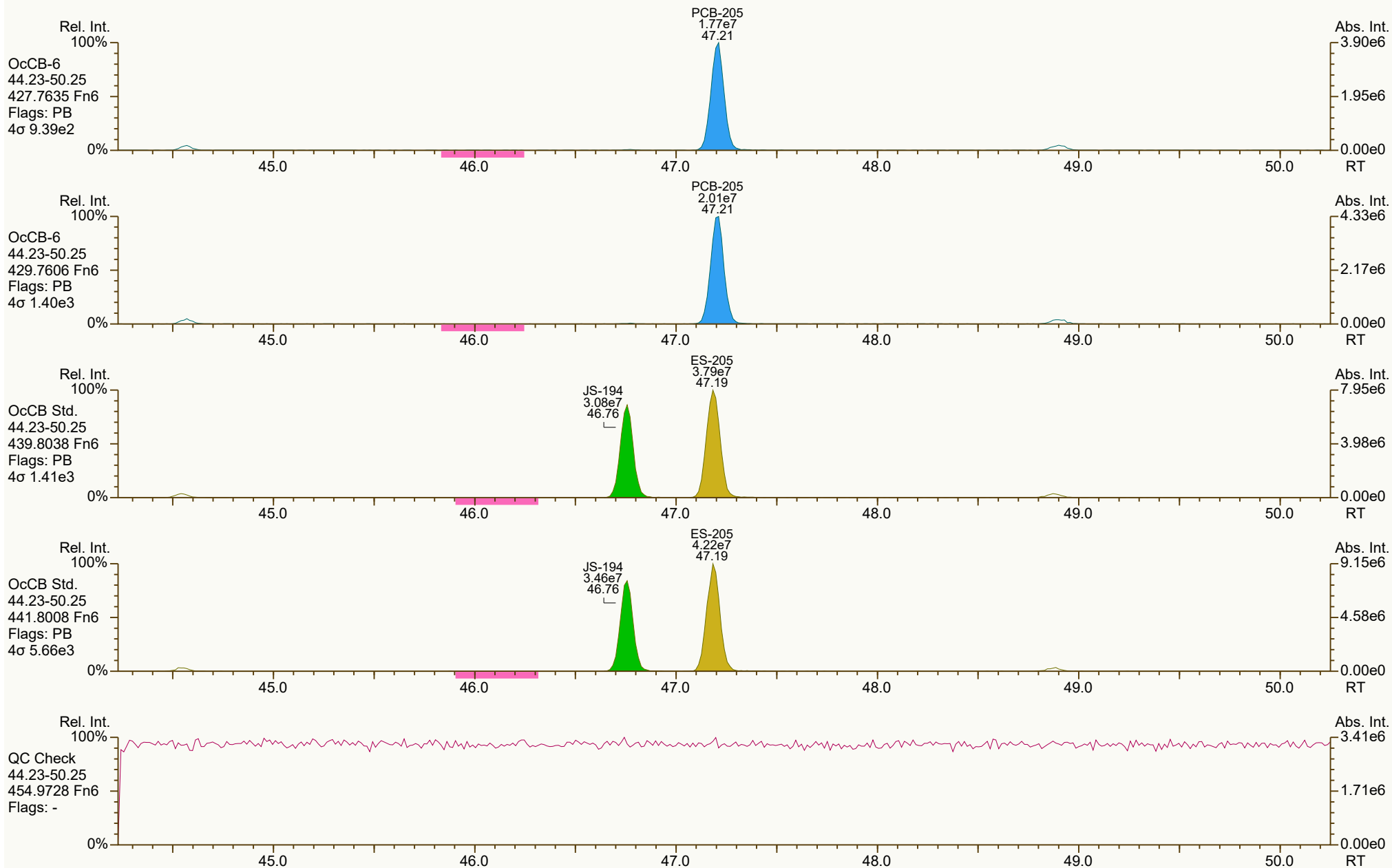
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SGS ID: CS3_241016_PCB_BC
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-92-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



Results: P:\B9900_B9999\B9935\B9935_21527_PCB\Resources\CS3_241016_PCB_BC.utp_res, saved 21-Oct-2024 15:44 (JLJ)
SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8592, 8509 scc: 787-826

Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:45 Page 19 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11



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SGS UltraTrace-Pro V5.12 User/System: JLJ\USPF2H8K1K cc: 2928, 6512 scc: 787-826

Peak annotation: Areas, Centroids
Revised: 19-Oct-2024 13:35 (JLJ) Printed: 21-Oct-2024 15:45 Page 20 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 22:44:43
User: JLJ Datafile: 241016B11

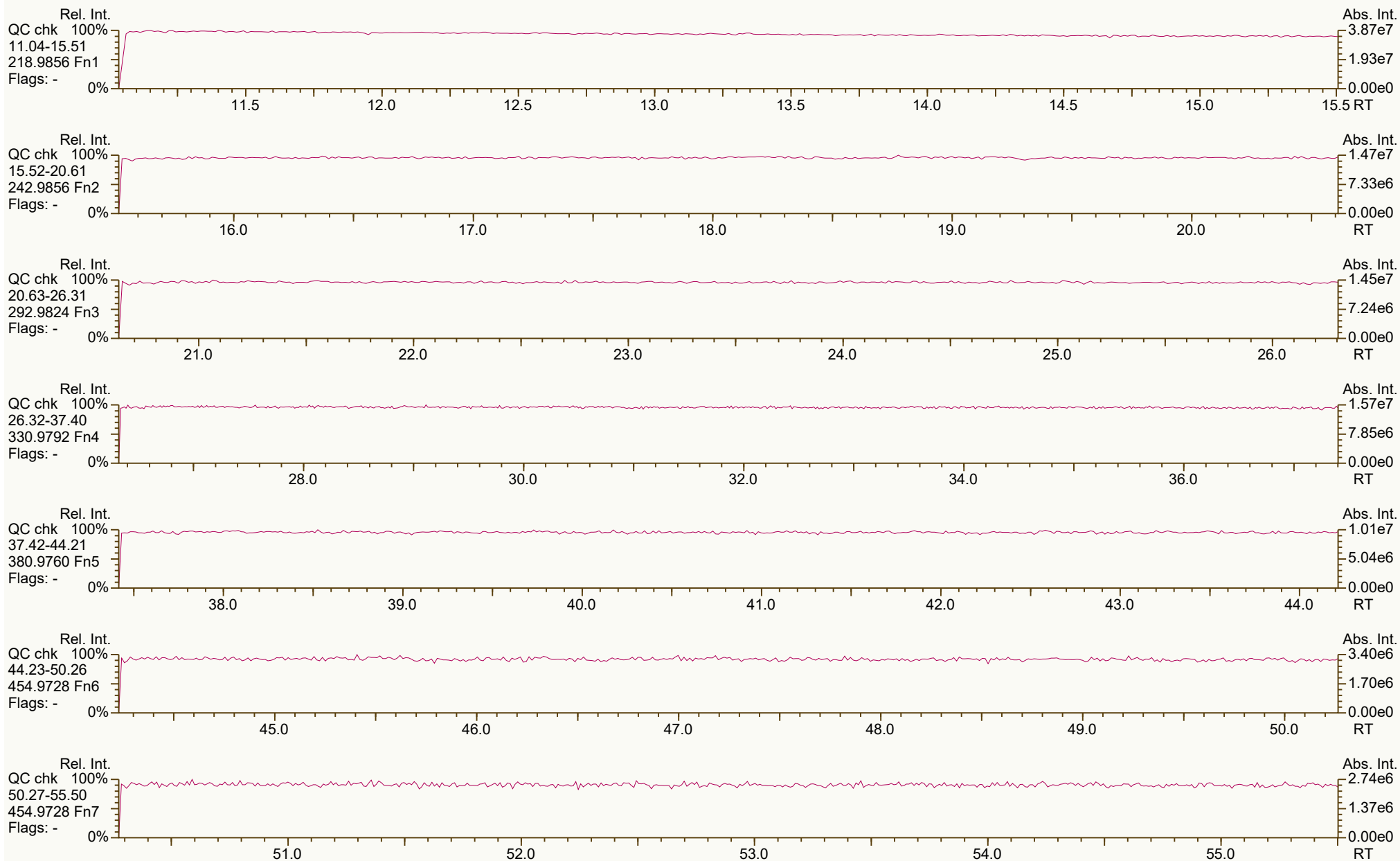


PCB QC Summary - Ax2 Detail		SGS North America		Printed: 21 Oct 2024 15:37		
Lab ID:	CS3_241016_PCB_BD					
Acquired:	16-OCT-2024 23:41		ICAL: HRMS2_PCB_03MAY2024			
Datafile:	241016B12					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-1 2-MoCB	11.32	1.34E+08	3.00 Y	1.01	-	-
PCB-2 3-MoCB	13.35	1.33E+08	3.05 Y		0.87	-
PCB-3 4-MoCB	13.53	1.40E+08	2.94 Y	1.01	-	-
PCB-4 22'-DiCB	13.76	1.08E+08	1.61 Y	0.98	-	-
PCB-10 26-DiCB	13.93	1.34E+08	1.59 Y		1.62	-
PCB-9 25-DiCB	15.68	1.27E+08	1.46 Y		0.78	-
PCB-7 24-DiCB	15.84	1.17E+08	1.49 Y		0.72	-
PCB-6 23'-DiCB	16.07	1.37E+08	1.51 Y		0.84	-
PCB-5 23-DiCB	16.36	1.11E+08	1.45 Y		0.68	-
PCB-8 24'-DiCB	16.48	1.45E+08	1.52 Y		0.89	-
PCB-14 35-DiCB	18.01	1.17E+08	1.49 Y		0.72	-
PCB-11 33'-DiCB	18.80	1.28E+08	1.52 Y		0.78	-
PCB-13/12 34'/34-DiCB	19.08	2.32E+08	1.51 Y		0.71	-
PCB-15 44'-DiCB	19.37	1.31E+08	1.47 Y	0.97	-	-
PCB-19 22'6-TrCB	16.76	1.13E+08	1.05 Y	1.03	-	-
PCB-30/18 246/22'5-TrCB	18.47	3.00E+08	1.06 Y		1.62	-
PCB-17 22'4-TrCB	18.87	1.02E+08	1.04 Y		1.11	-
PCB-27 23'6-TrCB	19.07	1.41E+08	1.04 Y		1.52	-
PCB-24 236-TrCB	19.19	1.44E+08	1.04 Y		1.55	-
PCB-16 22'3-TrCB	19.30	1.07E+08	1.06 Y		1.16	-
PCB-32 24'6-TrCB	19.77	1.60E+08	1.06 Y		1.73	-
PCB-34 23'5'-TrCB	20.90	1.20E+08	1.06 Y		0.91	-
PCB-23 235-TrCB	21.04	1.29E+08	1.03 Y		0.98	-
PCB-26/29 23'5/245-TrCB	21.34	2.53E+08	1.03 Y		0.96	-
PCB-25 23'4-TrCB	21.54	1.55E+08	1.05 Y		1.18	-
PCB-31 24'5-TrCB	21.82	1.51E+08	1.03 Y		1.15	-
PCB-28/20 244'/233'-TrCB	22.10	2.74E+08	1.02 Y		1.04	-
PCB-21/33 234/23'4'-TrCB	22.27	2.72E+08	1.01 Y		1.03	-
PCB-22 234'-TrCB	22.67	1.46E+08	1.04 Y		1.11	-
PCB-36 33'5-TrCB	24.04	1.47E+08	1.04 Y		1.11	-
PCB-39 34'5-TrCB	24.36	1.31E+08	1.03 Y		1.00	-
PCB-38 345-TrCB	24.88	1.34E+08	1.03 Y		1.02	-
PCB-35 33'4-TrCB	25.30	1.27E+08	1.03 Y		0.97	-
PCB-37 344'-TrCB	25.67	1.27E+08	1.03 Y	1.03	-	-
PCB-54 22'66'-TeCB	19.62	8.25E+07	0.80 Y	1.09	-	-
PCB-50/53 22'46/22'56'-TeCB	21.57	2.06E+08	0.79 Y		0.91	-
PCB-45 22'36'-TeCB	22.16	7.14E+07	0.76 Y		0.63	-
PCB-51 22'46'-TeCB	22.22	1.19E+08	0.79 Y		1.06	-
PCB-46 22'36'-TeCB	22.45	8.20E+07	0.78 Y		0.73	-
PCB-52 22'55'-TeCB	23.69	1.10E+08	0.79 Y		0.97	-
PCB-73 23'5'6'-TeCB	23.81	1.36E+08	0.80 Y		1.21	-
PCB-43 22'35'-TeCB	23.90	1.03E+08	0.79 Y		0.91	-

PCB QC Summary - Ax2 Detail		SGS North America		Printed: 21 Oct 2024 15:37		
Lab ID:	CS3_241016_PCB_BD					
Acquired:	16-OCT-2024 23:41		ICAL: HRMS2_PCB_03MAY2024			
Datafile:	241016B12					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-69/49 23'46/22'45'-TeCB	24.10	2.32E+08	0.79 Y		1.03	-
PCB-48 22'45'-TeCB	24.38	9.70E+07	0.79 Y		0.86	-
PCB-44/47/65 ...-TeCB	24.59	3.34E+08	0.80 Y		0.99	-
PCB-59/62/75 ...-TeCB	24.87	3.77E+08	0.79 Y		1.12	-
PCB-42 22'34'-TeCB	25.05	8.90E+07	0.79 Y		0.79	-
PCB-41 22'34'-TeCB	25.38	7.35E+07	0.77 Y		0.65	-
PCB-71/40 23'4'6/22'33'-TeCB	25.48	2.17E+08	0.79 Y		0.96	-
PCB-64 234'6'-TeCB	25.68	1.29E+08	0.78 Y		1.15	-
PCB-72 23'55'-TeCB	26.38	1.03E+08	0.77 Y		0.91	-
PCB-68 23'45'-TeCB	26.64	9.89E+07	0.75 Y		0.88	-
PCB-57 233'5'-TeCB	27.01	1.05E+08	0.76 Y		0.93	-
PCB-58 233'5'-TeCB	27.22	1.17E+08	0.74 Y		1.04	-
PCB-67 23'45'-TeCB	27.37	1.22E+08	0.75 Y		1.08	-
PCB-63 234'5'-TeCB	27.60	9.59E+07	0.73 Y		0.85	-
PCB-61/70/74/76 ...-TeCB	27.89	4.37E+08	0.76 Y		0.97	-
PCB-66 23'44'-TeCB	28.18	1.11E+08	0.74 Y		0.98	-
PCB-55 233'4'-TeCB	28.33	1.13E+08	0.76 Y		1.01	-
PCB-56 233'4'-TeCB	28.77	1.08E+08	0.74 Y		0.96	-
PCB-60 2344'-TeCB	28.96	9.30E+07	0.74 Y		0.83	-
PCB-80 33'55'-TeCB	29.28	1.07E+08	0.76 Y		0.95	-
PCB-79 33'45'-TeCB	30.63	1.16E+08	0.76 Y		1.03	-
PCB-78 33'45'-TeCB	31.11	9.61E+07	0.75 Y		0.85	-
PCB-104 22'466'-PeCB	24.53	7.19E+07	0.64 Y	1.00	-	-
PCB-96 22'366'-PeCB	24.87	7.41E+07	0.64 Y		1.11	-
PCB-103 22'45'6'-PeCB	26.53	8.35E+07	0.62 Y		0.84	-
PCB-94 22'356'-PeCB	26.74	7.05E+07	0.63 Y		0.71	-
PCB-95 22'35'6'-PeCB	27.13	7.92E+07	0.62 Y		0.80	-
PCB-100/93 22'44'6/22'356'-PeCE	27.31	1.57E+08	0.62 Y		0.79	-
PCB-102 22'456'-PeCB	27.43	9.10E+07	0.61 Y		0.92	-
PCB-98 22'34'6'-PeCB	27.50	9.11E+07	0.63 Y		0.92	-
PCB-88 22'346'-PeCB	27.80	7.57E+07	0.61 Y		0.76	-
PCB-91 22'34'6'-PeCB	27.88	7.89E+07	0.62 Y		0.80	-
PCB-84 22'33'6'-PeCB	28.09	6.68E+07	0.63 Y		0.67	-
PCB-89 22'346'-PeCB	28.50	7.99E+07	0.61 Y		0.81	-
PCB-121 23'45'6'-PeCB	28.81	1.19E+08	0.63 Y		1.20	-
PCB-92 22'355'-PeCB	29.15	7.48E+07	0.62 Y		0.76	-
PCB-113/90/101 ...-PeCB	29.63	2.63E+08	0.62 Y		0.88	-
PCB-83 22'33'5'-PeCB	30.07	6.23E+07	0.62 Y		0.63	-
PCB-99 22'44'5'-PeCB	30.15	1.00E+08	0.63 Y		1.01	-
PCB-112 233'56'-PeCB	30.27	1.29E+08	0.63 Y		1.30	-
PCB-109/119/86/97/125...-PeCB	30.61	5.62E+08	0.63 Y		0.95	-
PCB-117 234'56'-PeCB	31.15	1.00E+08	0.62 Y		1.01	-

PCB QC Summary - Ax2 Detail		SGS North America		Printed: 21 Oct 2024 15:37		
Lab ID:	CS3_241016_PCB_BD					
Acquired:	16-OCT-2024 23:41		ICAL: HRMS2_PCB_03MAY2024			
Datafile:	241016B12					
Name	RT	Response	RA	ICAL	RRF	Deviation
PCB-116/85 23456/22'344'-PeCB	31.23	1.72E+08	0.63 Y		0.87	-
PCB-110 233'4'6-PeCB	31.37	1.04E+08	0.62 Y		1.05	-
PCB-115 2344'6-PeCB	31.43	1.29E+08	0.63 Y		1.30	-
PCB-82 22'33'4-PeCB	31.66	7.51E+07	0.62 Y		0.76	-
PCB-111 233'55'-PeCB	31.95	1.02E+08	0.63 Y		1.03	-
PCB-120 23'455'-PeCB	32.35	1.22E+08	0.63 Y		1.23	-
PCB-108/124 ...-PeCB	33.34	1.93E+08	0.62 Y		0.98	-
PCB-107 233'4'5-PeCB	33.55	1.08E+08	0.62 Y		1.10	-
PCB-106 233'45-PeCB	33.75	1.04E+08	0.62 Y		1.06	-
PCB-122 233'4'5'-PeCB	34.23	7.96E+07	0.63 Y		0.83	-
PCB-127 33'455'-PeCB	36.19	9.23E+07	0.62 Y		1.02	-
PCB-155 22'44'66'-HxCB	29.44	8.33E+07	1.30 Y	0.95	-	-
PCB-152 22'3566'-HxCB	29.64	9.91E+07	1.27 Y		1.15	-
PCB-150 22'34'66'-HxCB	29.77	8.74E+07	1.28 Y		1.01	-
PCB-136 22'33'66'-HxCB	30.10	7.88E+07	1.25 Y		0.91	-
PCB-145 22'3466'-HxCB	30.35	9.05E+07	1.28 Y		1.05	-
PCB-148 22'34'56'-HxCB	31.61	6.55E+07	1.29 Y		1.11	-
PCB-151/135 ...-HxCB	32.16	1.27E+08	1.28 Y		1.08	-
PCB-154 22'44'56'-HxCB	32.34	6.81E+07	1.26 Y		1.16	-
PCB-144 22'345'6-HxCB	32.63	6.17E+07	1.27 Y		1.05	-
PCB-147/149 ...-HxCB	32.93	1.33E+08	1.25 Y		1.13	-
PCB-134 22'33'56-HxCB	33.11	4.39E+07	1.30 Y		0.75	-
PCB-143 22'3456'-HxCB	33.19	6.27E+07	1.32 Y		1.07	-
PCB-139/140 ...-HxCB	33.44	1.28E+08	1.28 Y		1.09	-
PCB-131 22'33'46-HxCB	33.63	5.60E+07	1.26 Y		0.95	-
PCB-142 22'3456-HxCB	33.77	5.46E+07	1.26 Y		0.93	-
PCB-132 22'33'46'-HxCB	34.03	5.58E+07	1.23 Y		0.95	-
PCB-133 22'33'55'-HxCB	34.41	6.27E+07	1.26 Y		1.07	-
PCB-165 233'55'6-HxCB	34.76	6.86E+07	1.23 Y		1.17	-
PCB-146 22'34'55'-HxCB	34.97	6.92E+07	1.26 Y		1.18	-
PCB-161 233'45'6-HxCB	35.08	8.13E+07	1.27 Y		1.38	-
PCB-153/168 ...-HxCB	35.51	1.48E+08	1.28 Y		1.26	-
PCB-141 22'3455'-HxCB	35.67	5.54E+07	1.25 Y		0.94	-
PCB-130 22'33'45'-HxCB	36.03	4.58E+07	1.28 Y		0.78	-
PCB-137 22'344'5-HxCB	36.21	5.45E+07	1.25 Y		0.93	-
PCB-164 233'4'5'6-HxCB	36.31	7.48E+07	1.30 Y		1.27	-
PCB-163/138/129 ...-HxCB	36.59	1.70E+08	1.29 Y		0.96	-
PCB-160 233'456-HxCB	36.72	7.12E+07	1.31 Y		1.21	-
PCB-158 233'44'6-HxCB	36.91	7.57E+07	1.30 Y		1.29	-
PCB-128/166 ...-HxCB	37.66	1.48E+08	1.24 Y		0.92	-
PCB-159 233'455'-HxCB	38.47	9.32E+07	1.24 Y		1.16	-
PCB-162 233'4'55'-HxCB	38.71	7.75E+07	1.21 Y		0.97	-

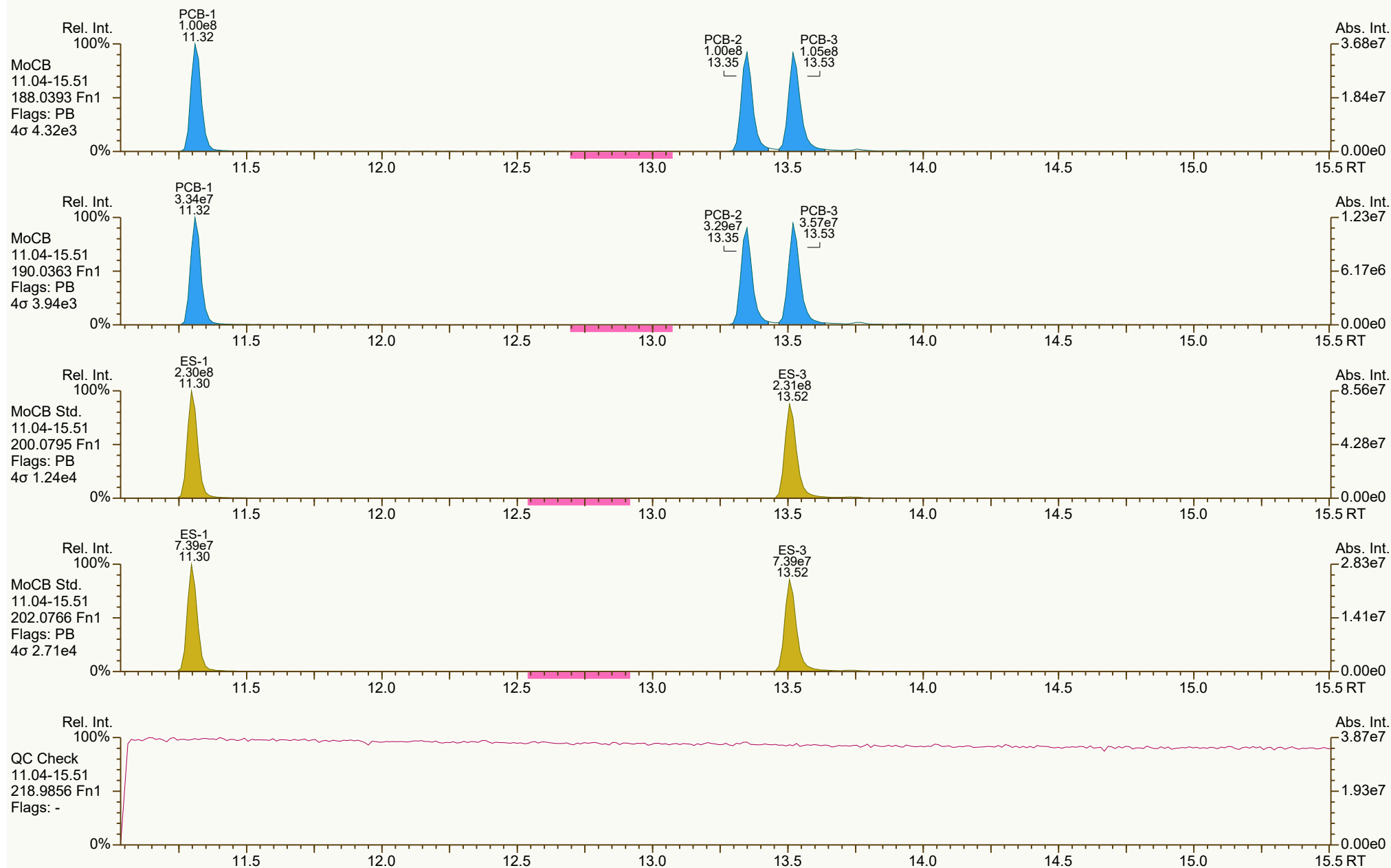
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Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



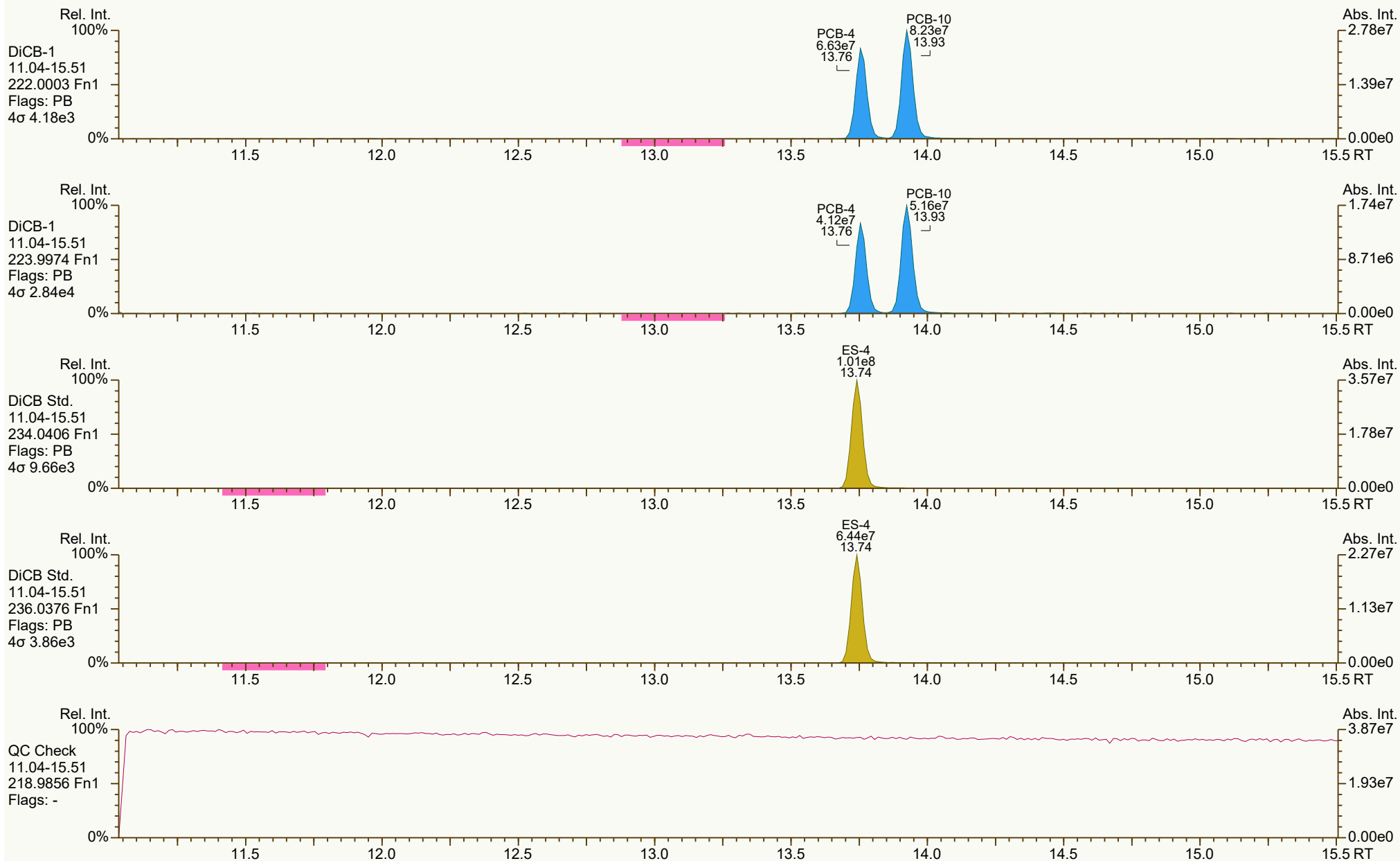
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 2 of 21

SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

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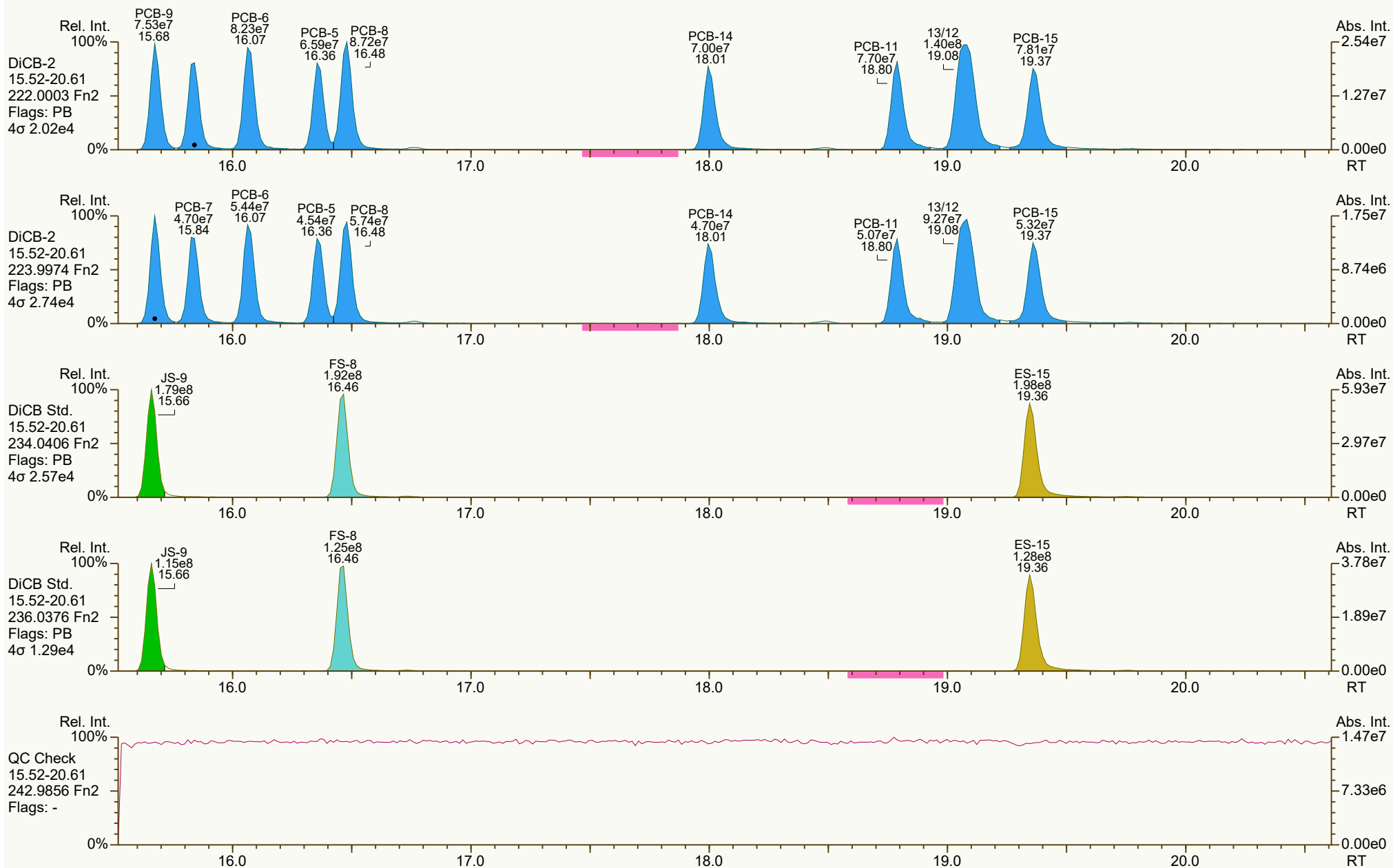
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 3 of 21

SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

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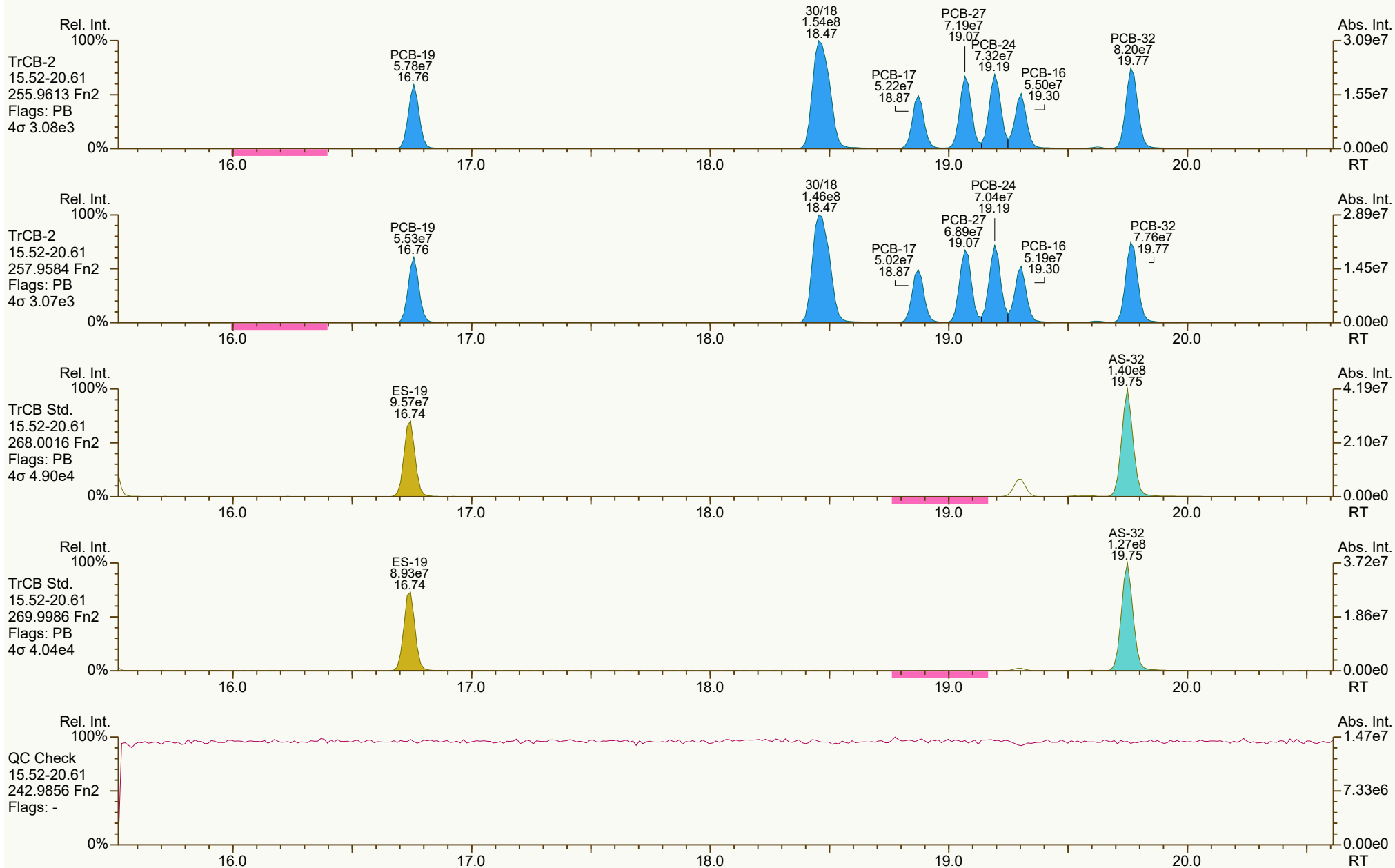
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 4 of 21

SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

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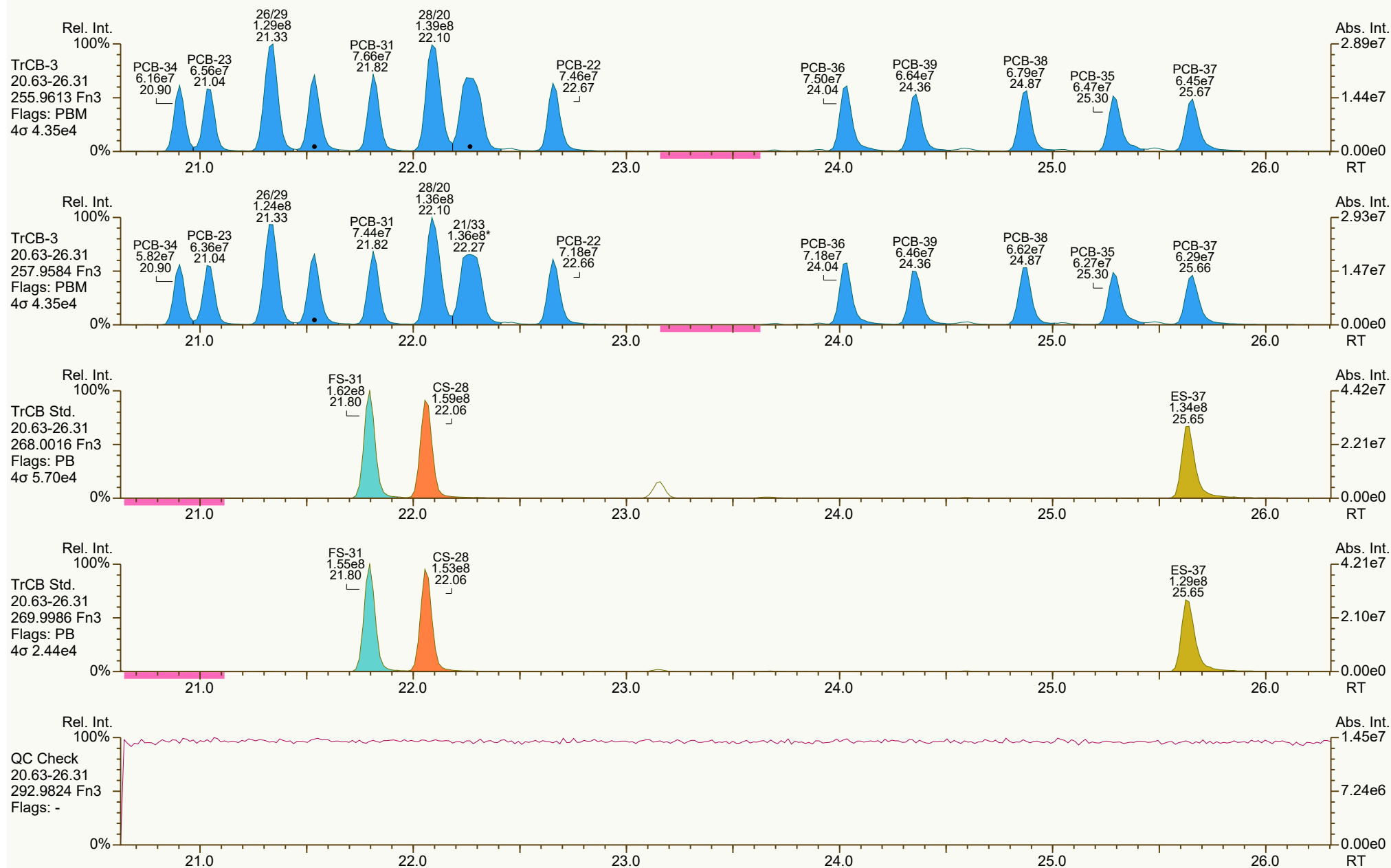
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 5 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



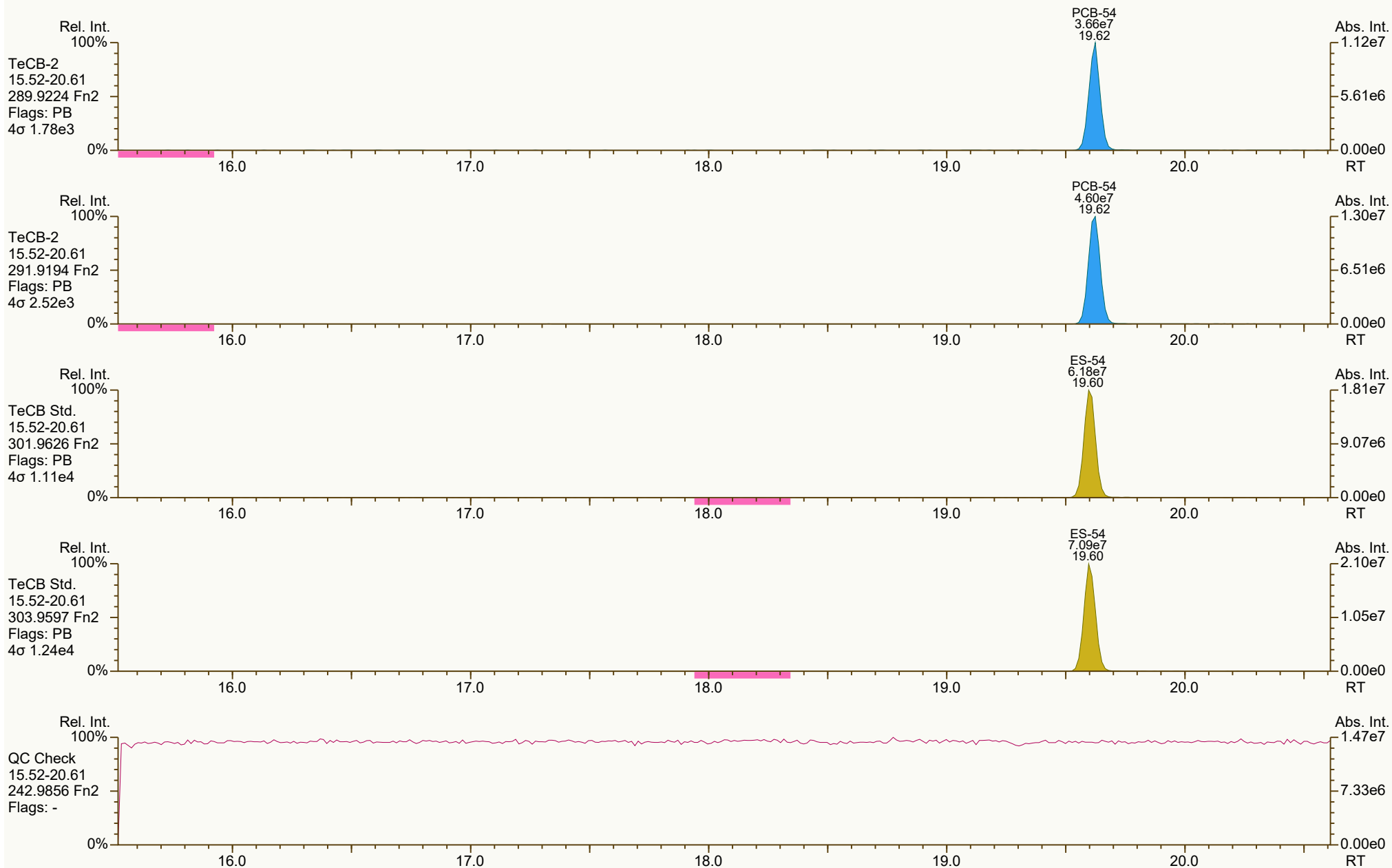
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 6 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



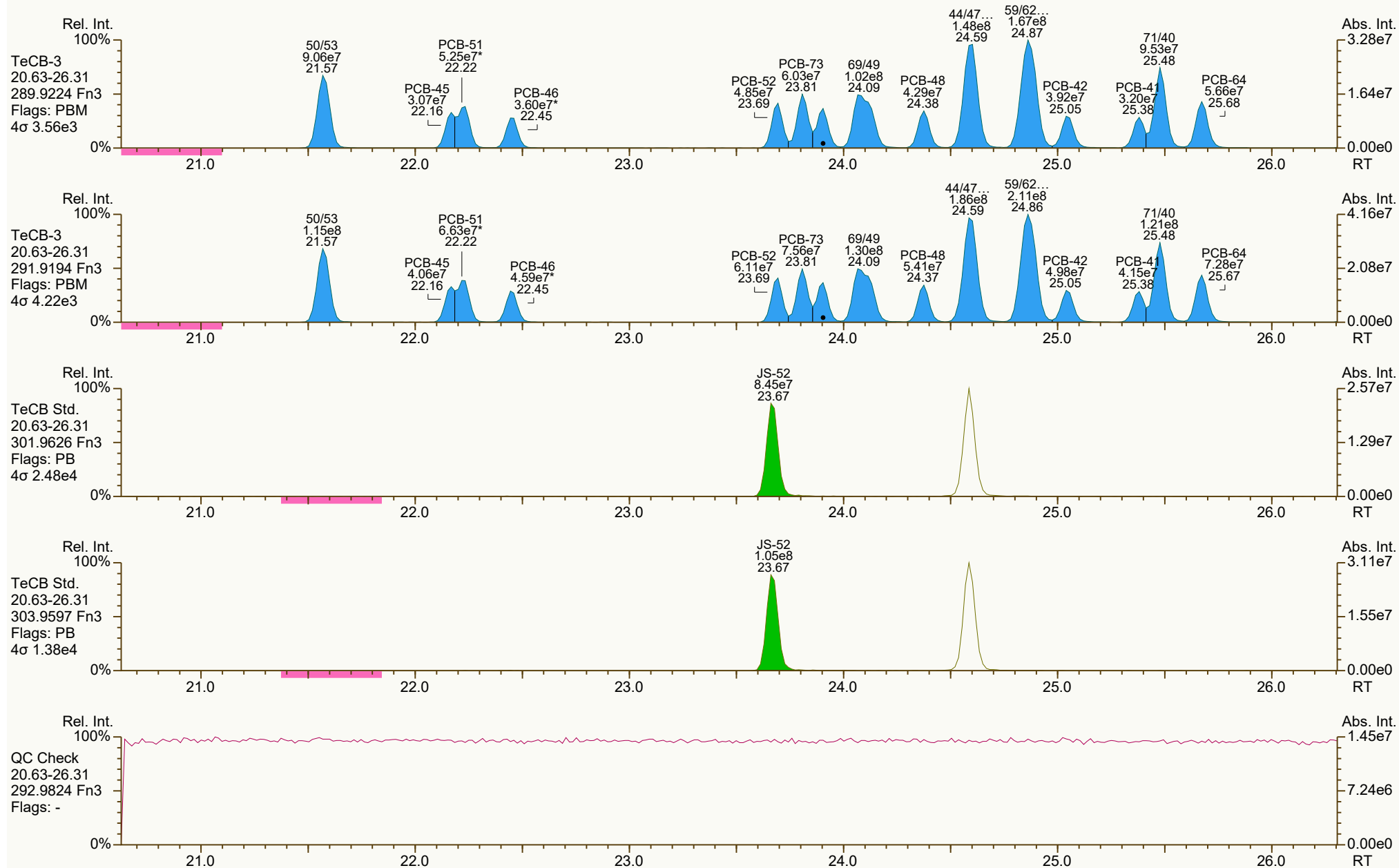
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 7 of 21

SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

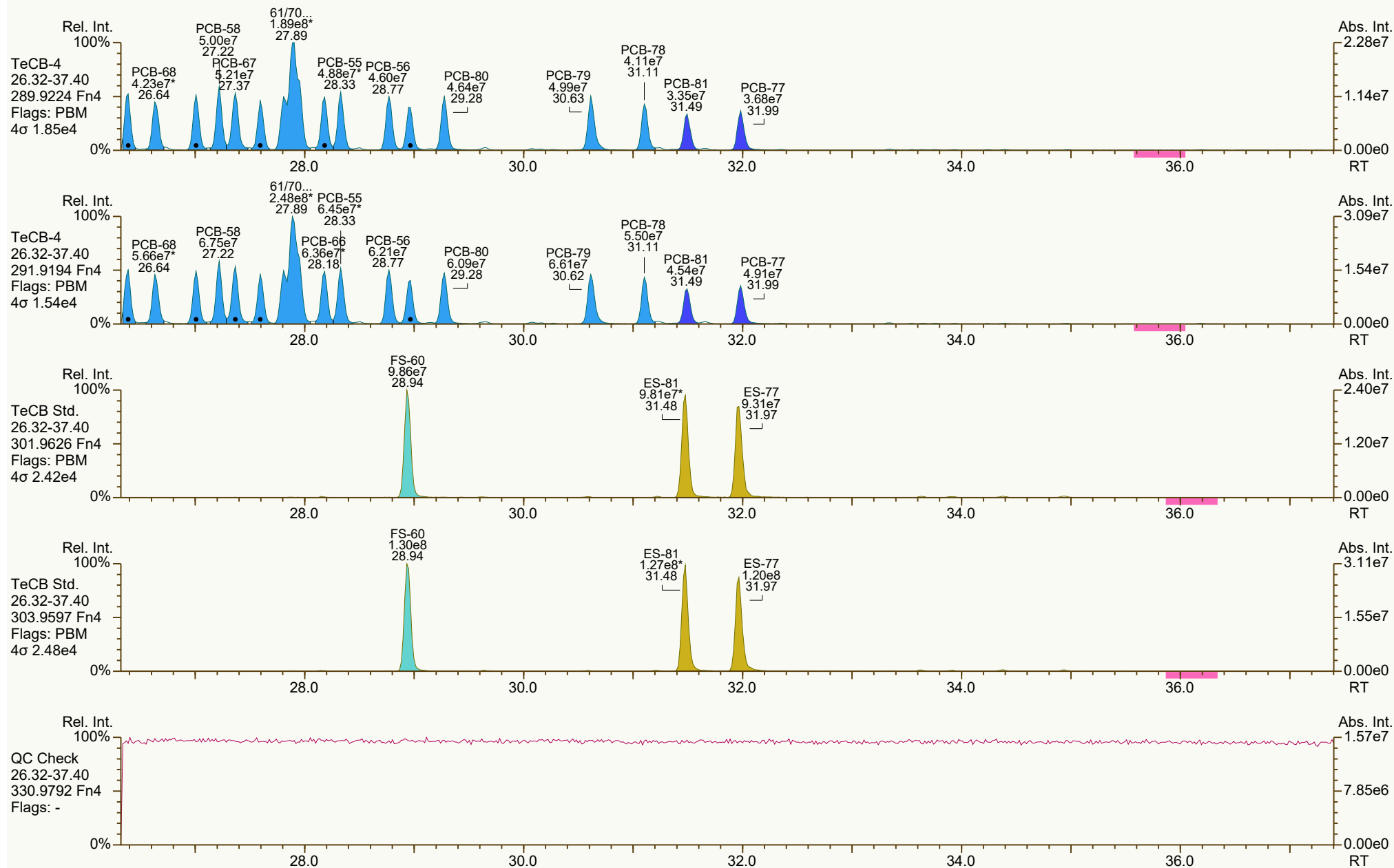
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SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

Acq: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



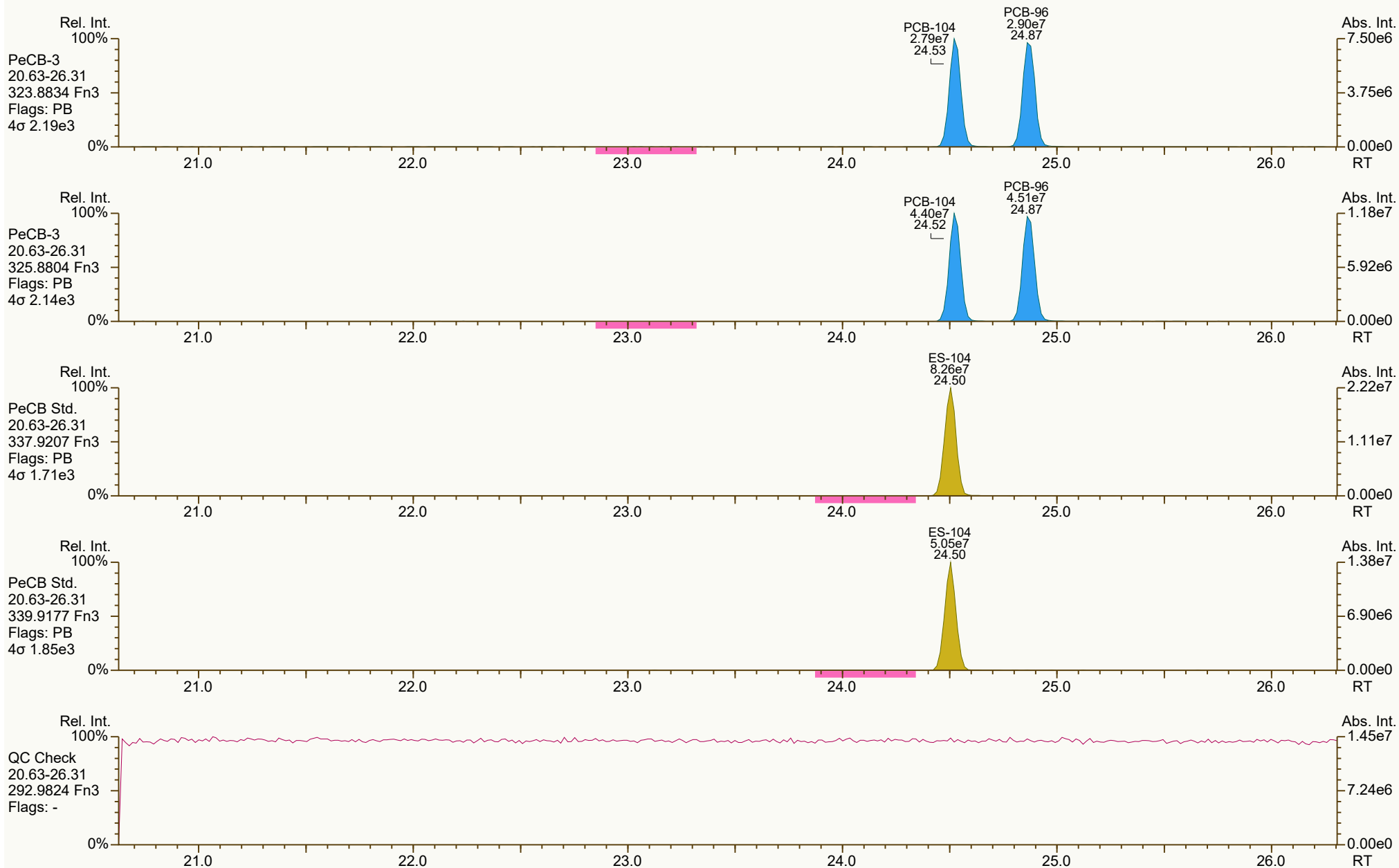
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SGS UltraTrace-Pro V5.12 User/System: JLJ/USPF2H8K1K cc: 8849, 1811 scc: 796-509

Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 9 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



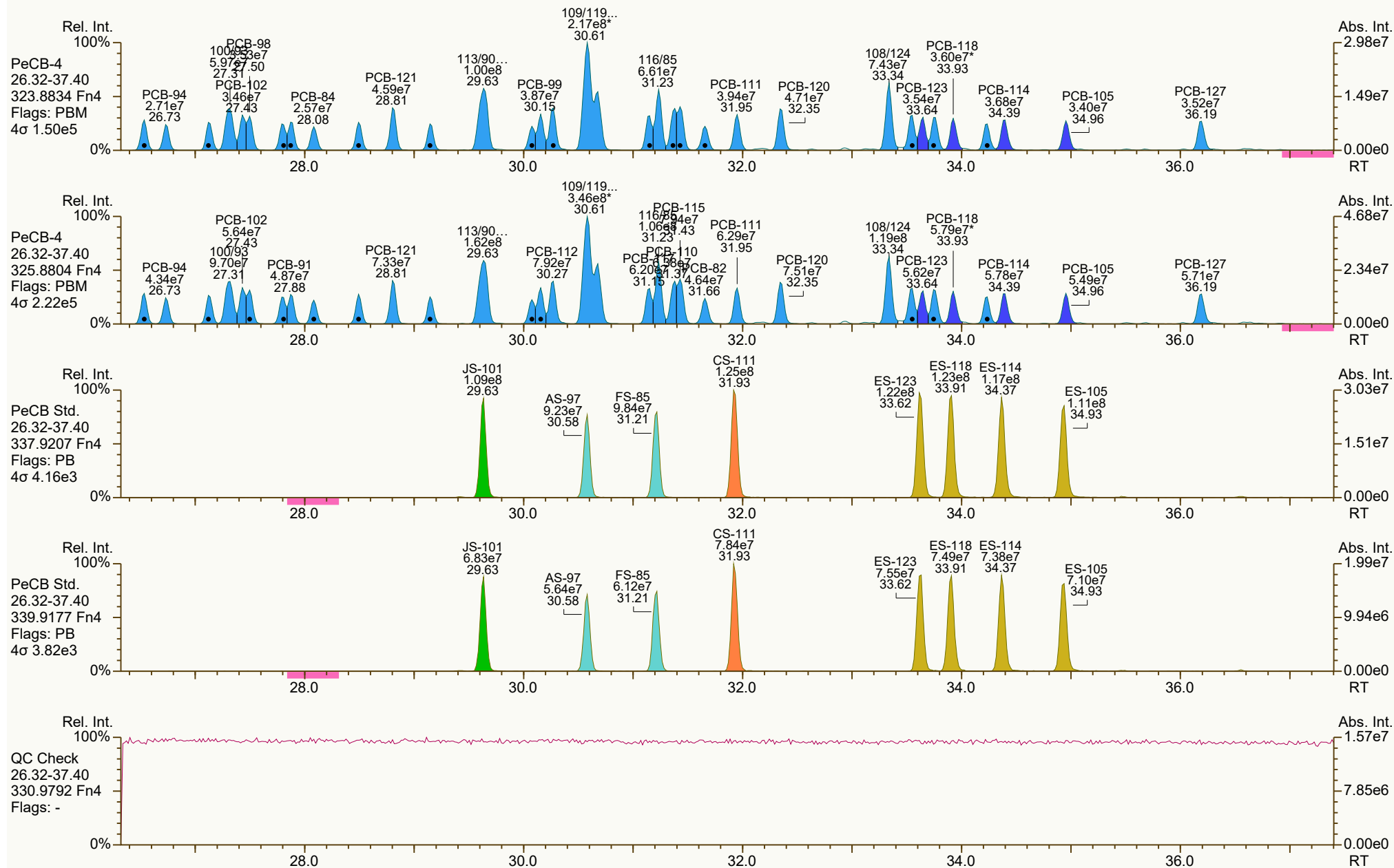
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 10 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



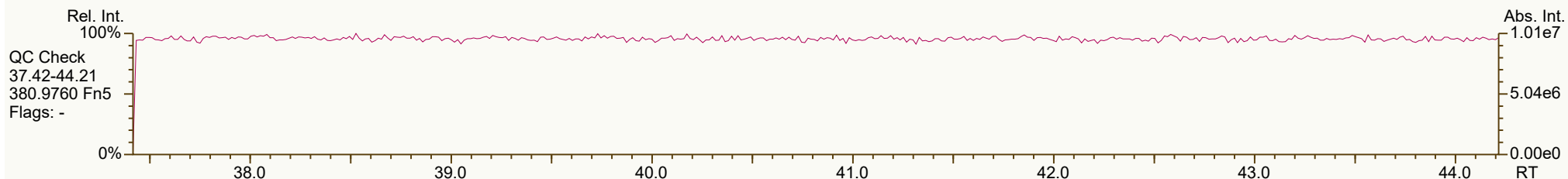
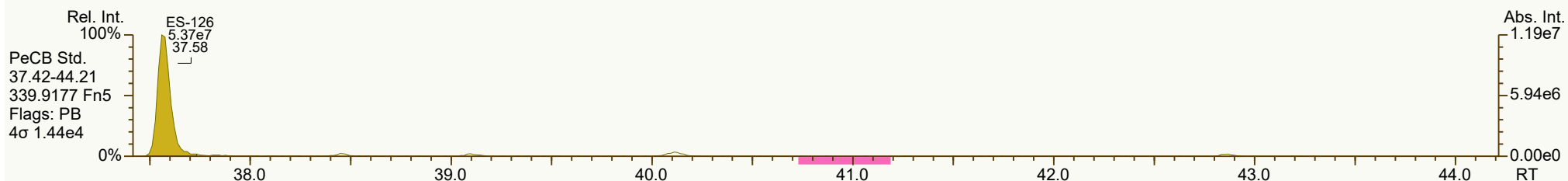
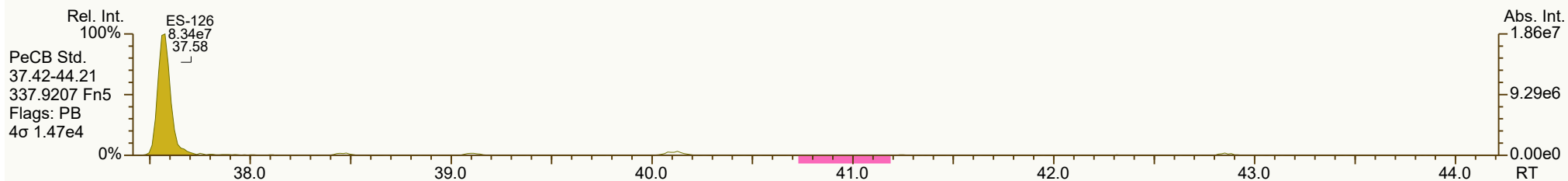
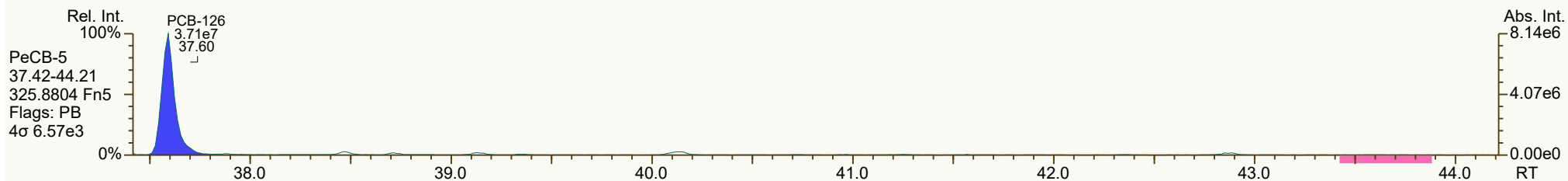
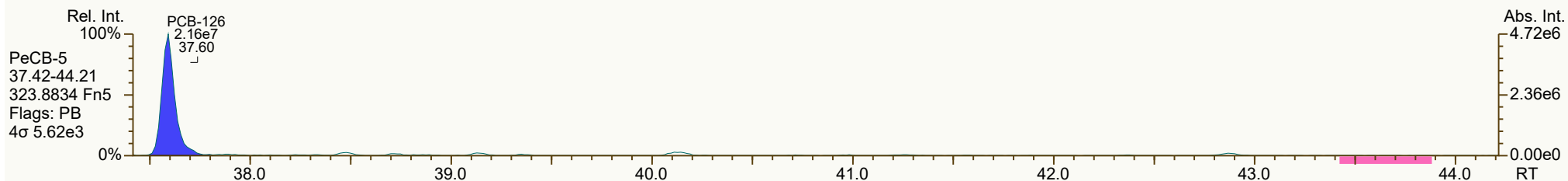
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 11 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
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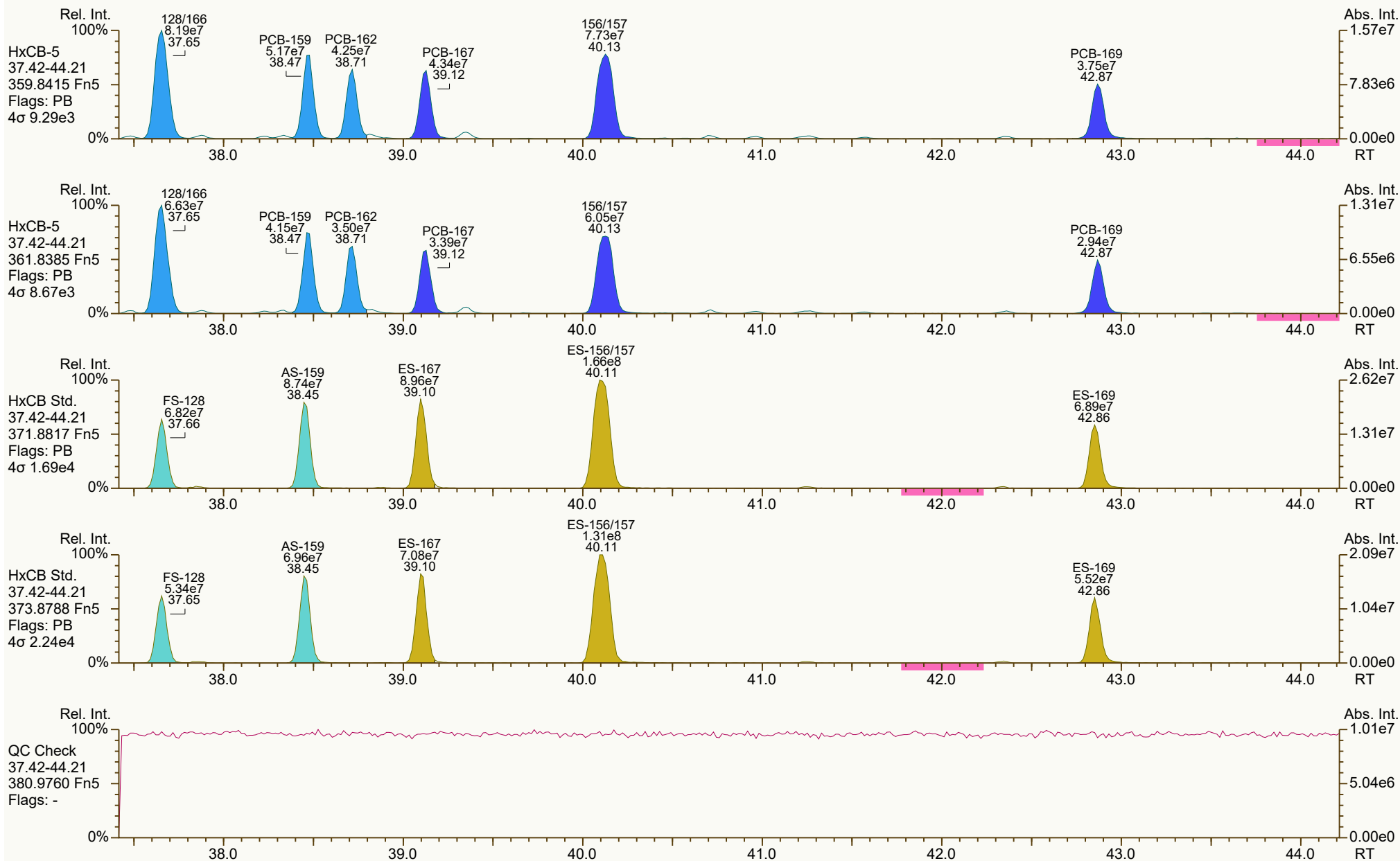
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 13 of 21

SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

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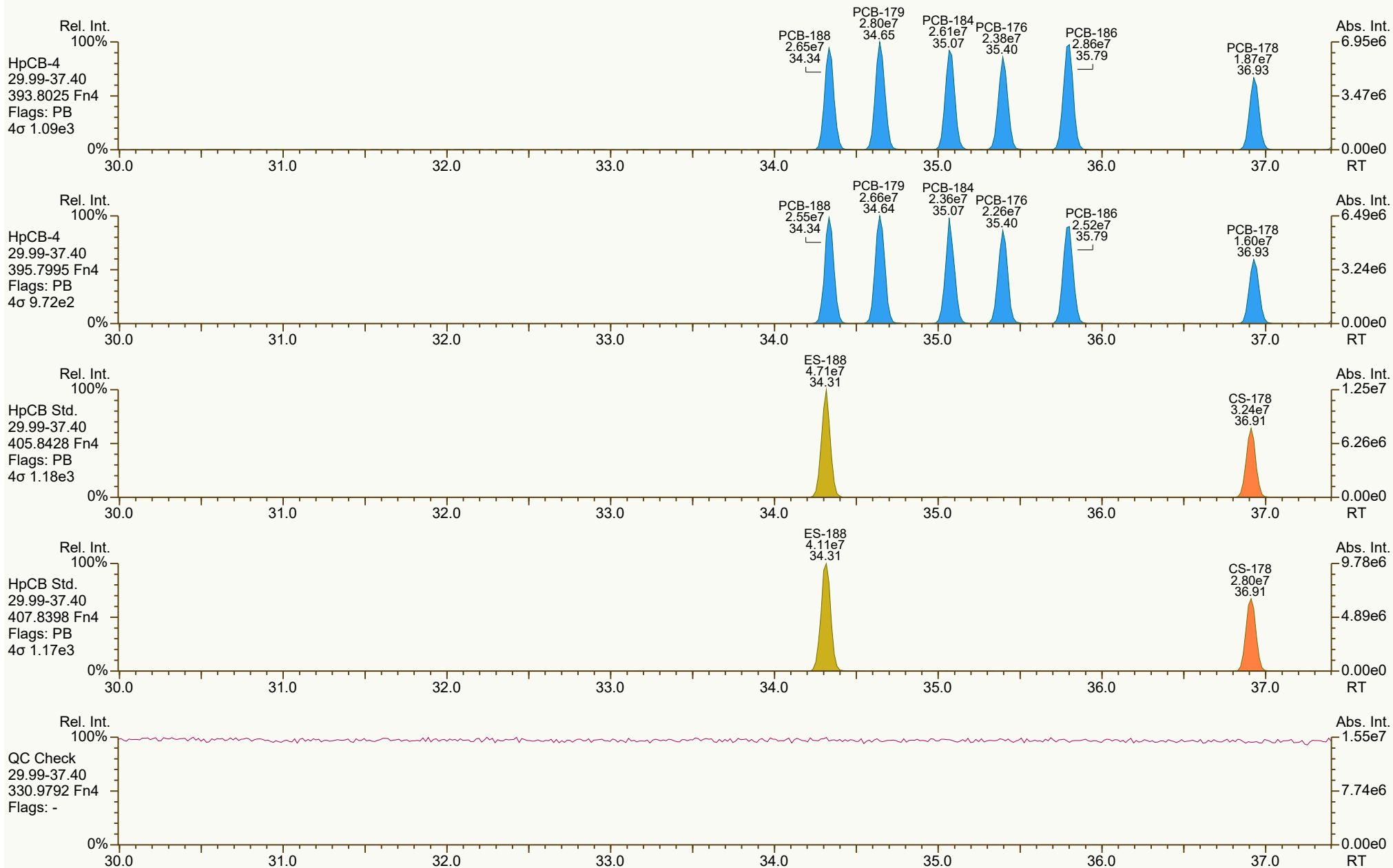
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 14 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
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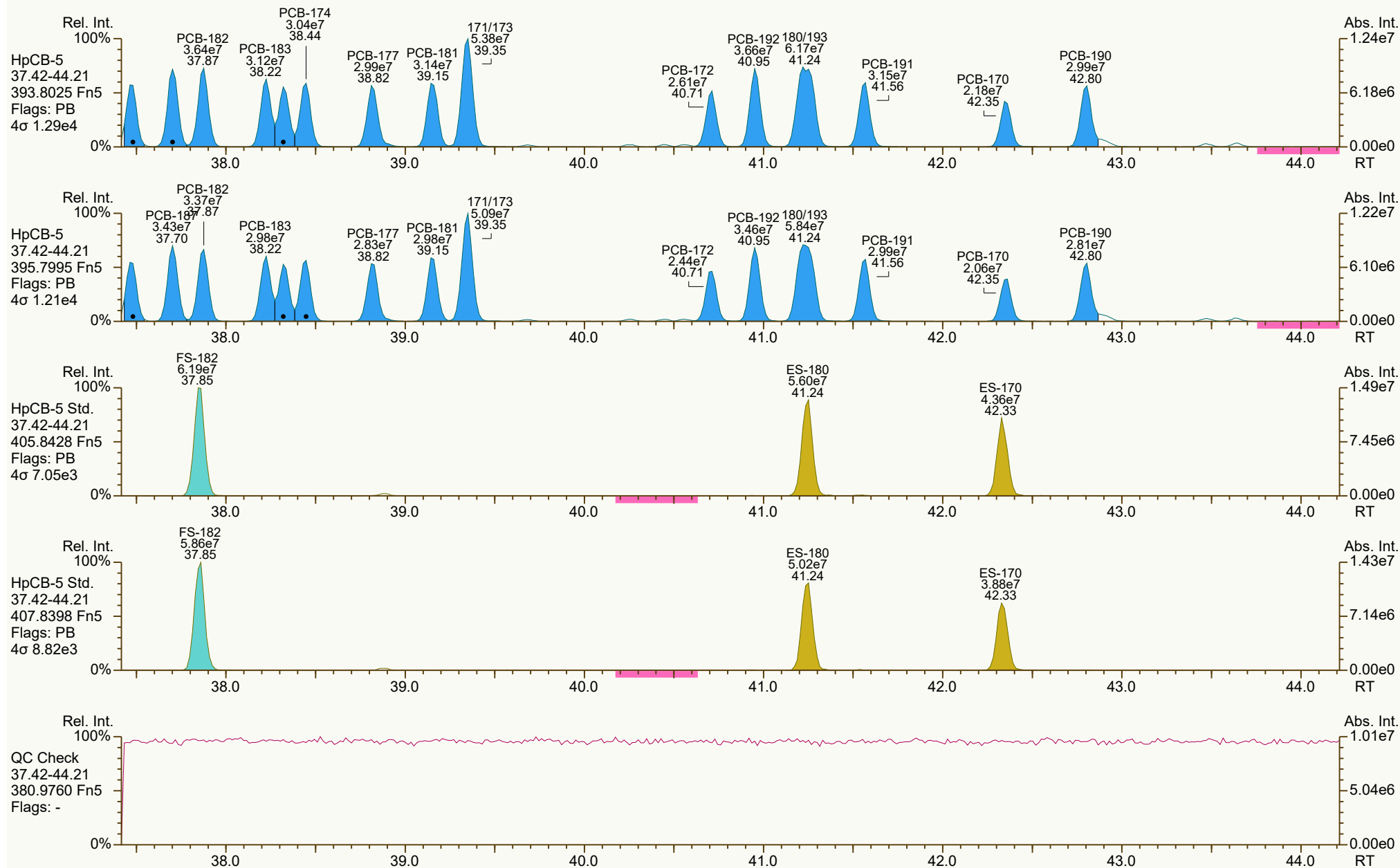
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 15 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
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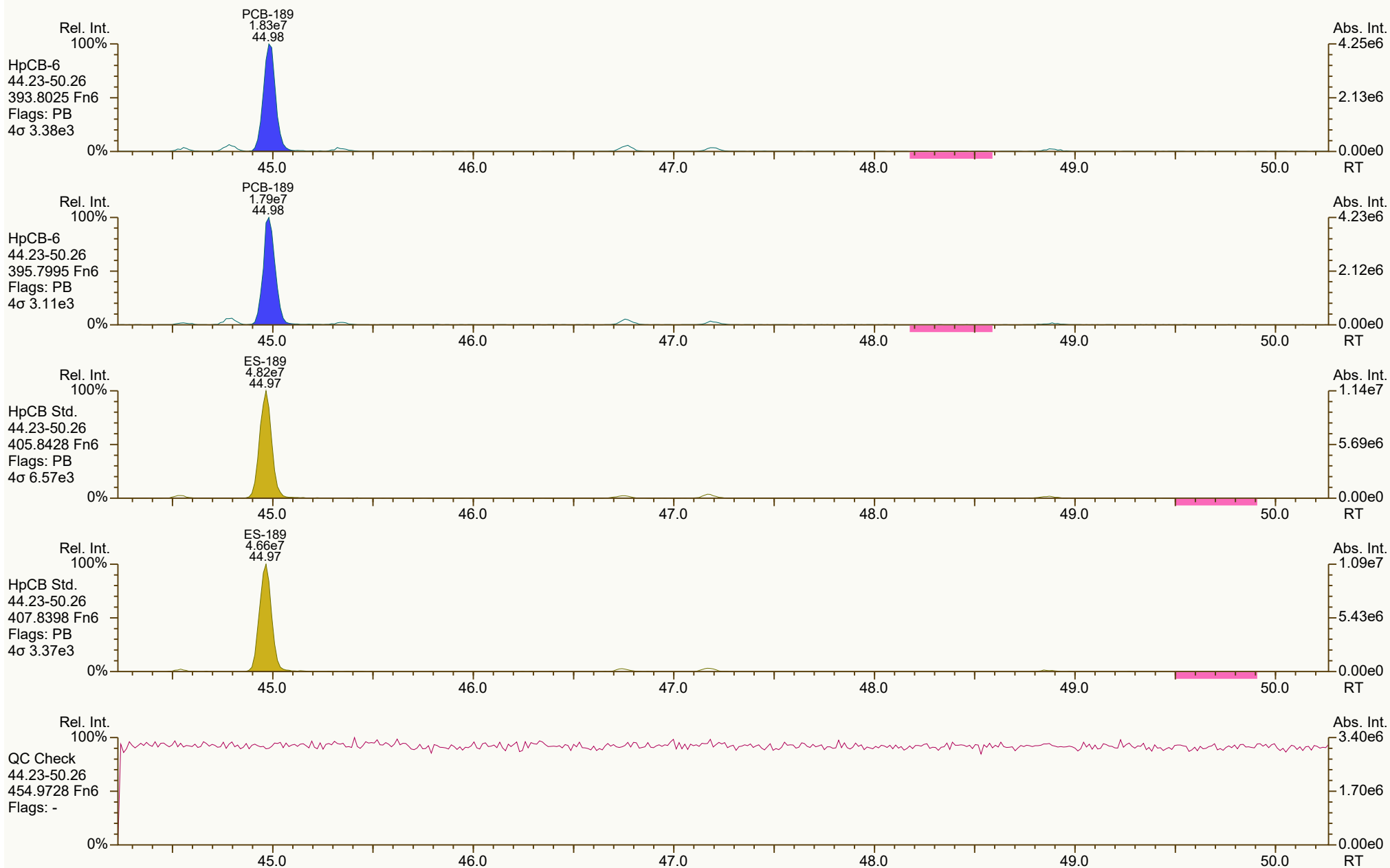
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 16 of 21

SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

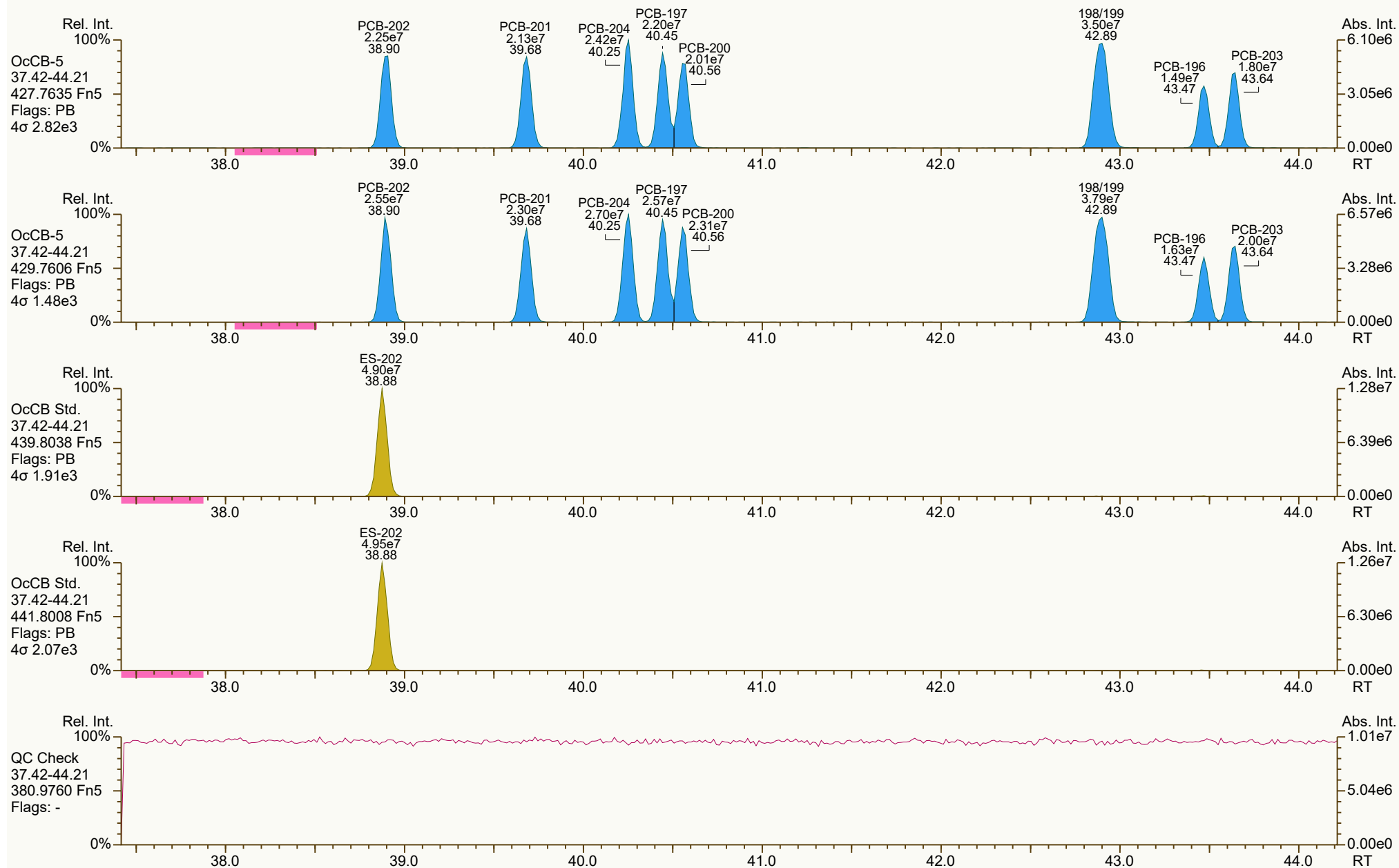
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Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
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User: JLJ Datafile: 241016B12



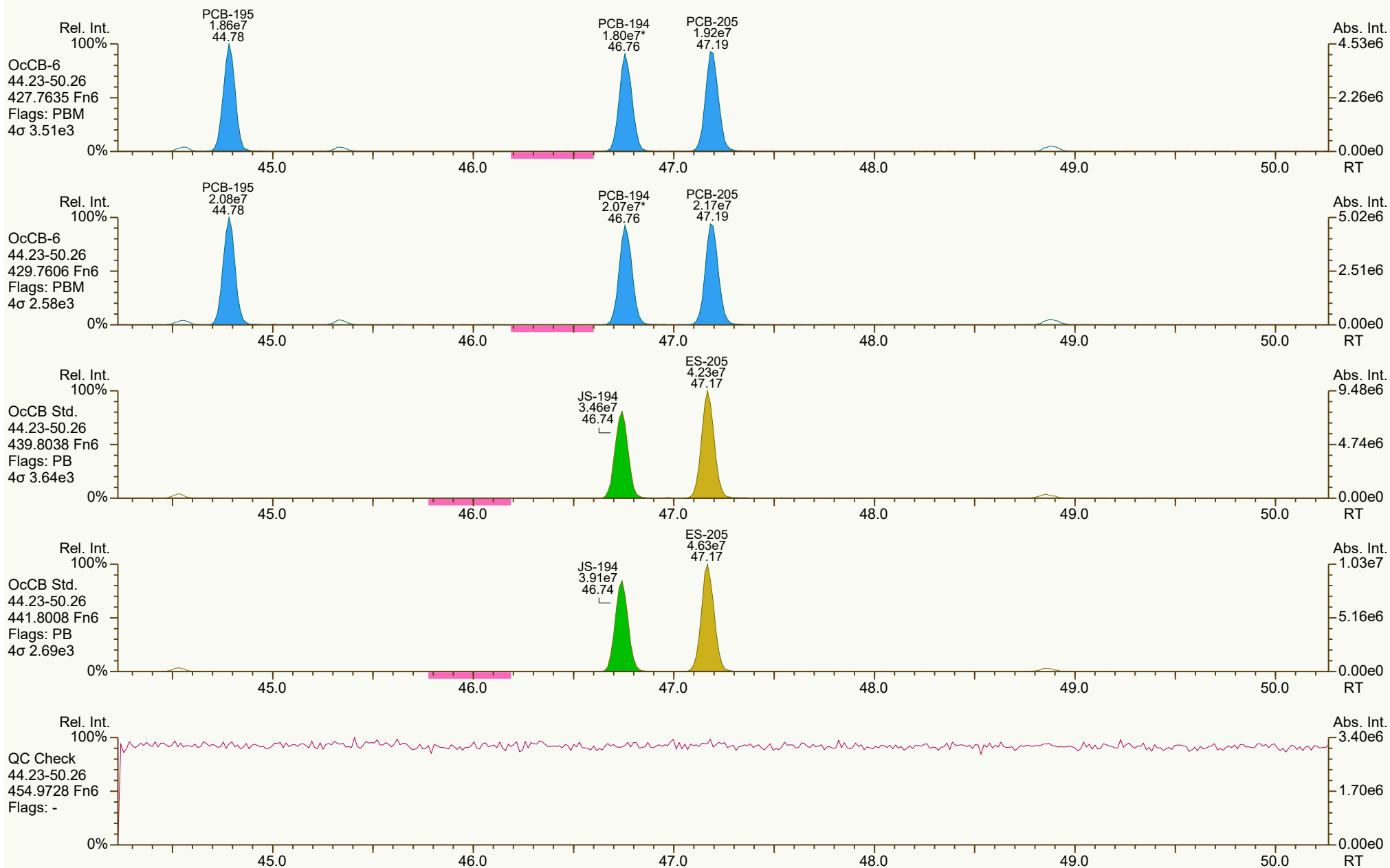
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 18 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
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Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 19 of 21

SGS ID: CS3_241016_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: 16-Oct-2024 23:41:49
User: JLJ Datafile: 241016B12



SGS ID: CS3_241016_PCB_BD
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: CPSM SIL 27-92-2
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 2

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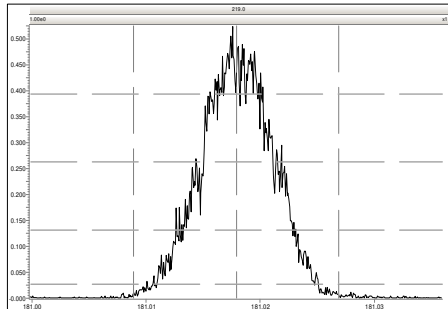


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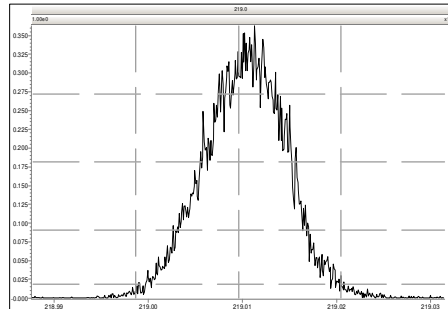
Peak annotation: Areas, Centroids
PKD: 19-Oct-2024 13:32 Printed: 21-Oct-2024 15:45 Page 21 of 21

Printed: Wednesday, October 16, 2024 22:44:38 Eastern Daylight Time

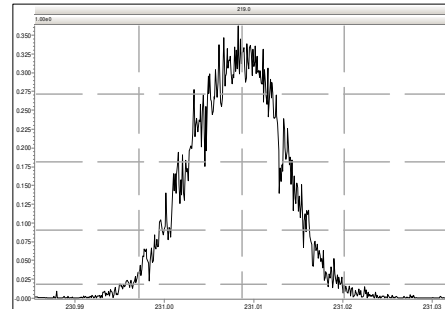
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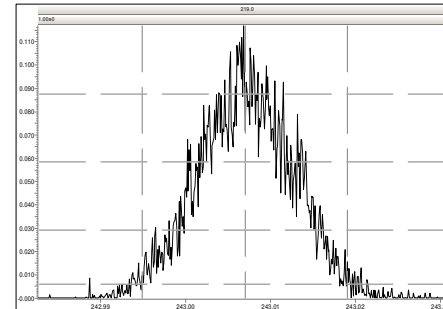
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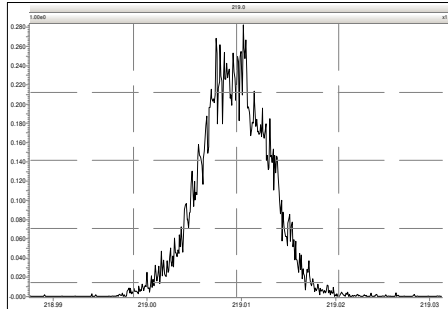
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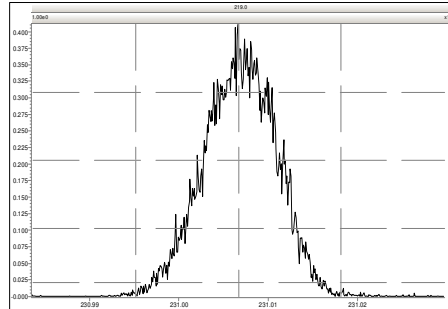
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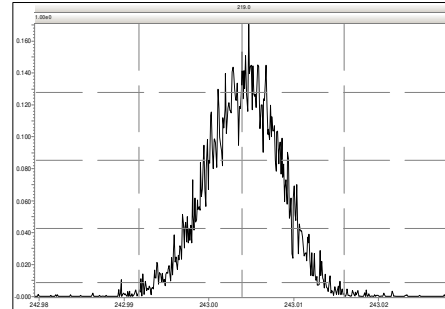
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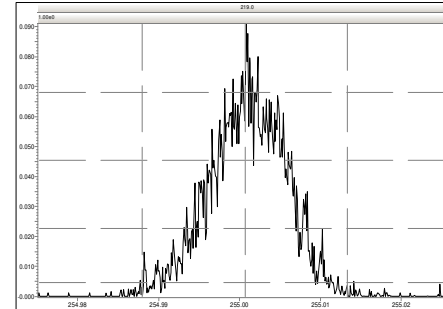
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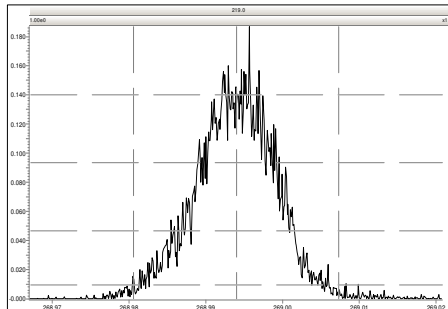
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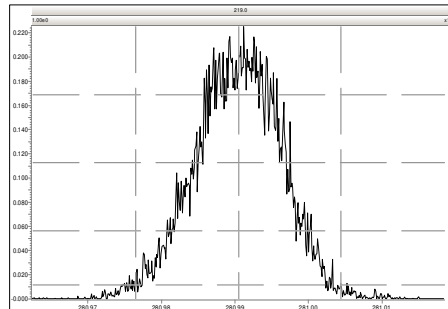
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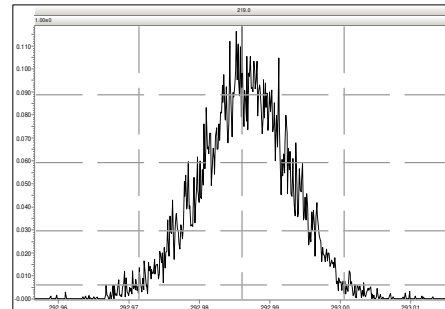
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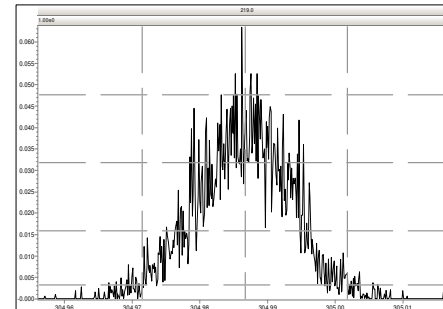
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M 292.9824 R 10869

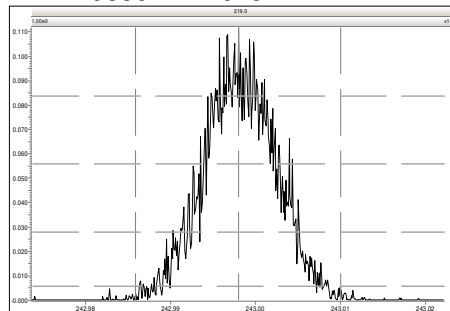


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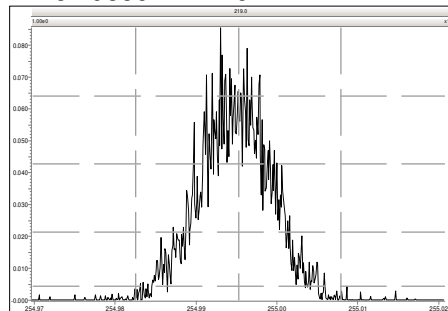


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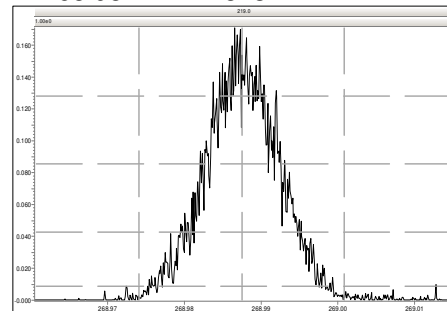
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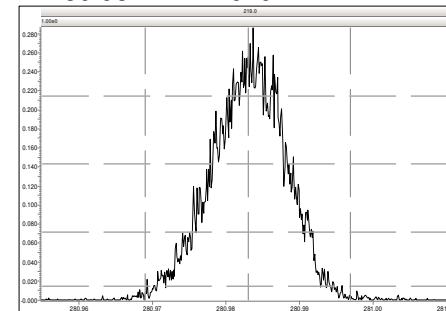
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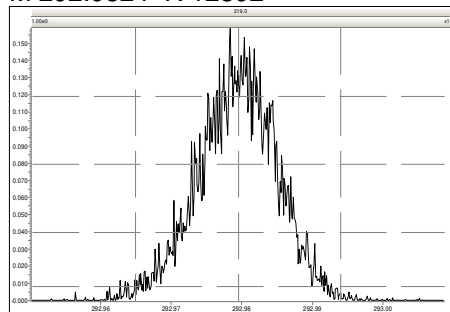
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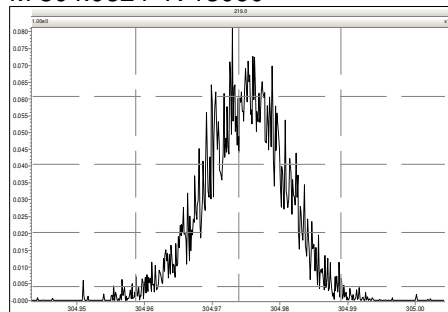
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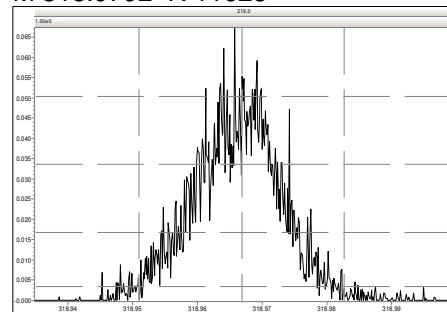
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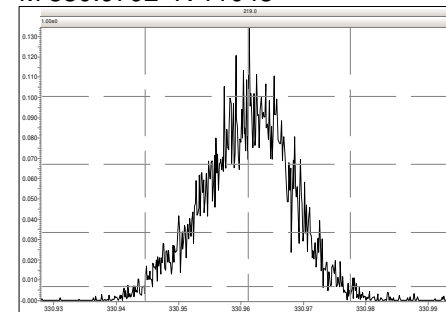
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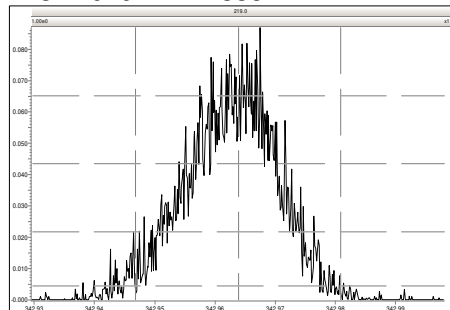
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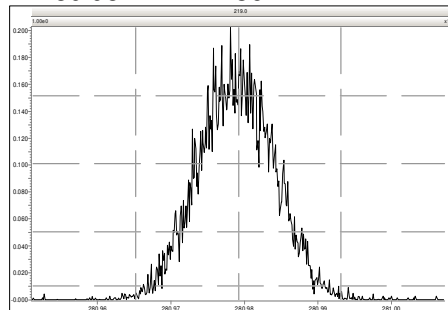
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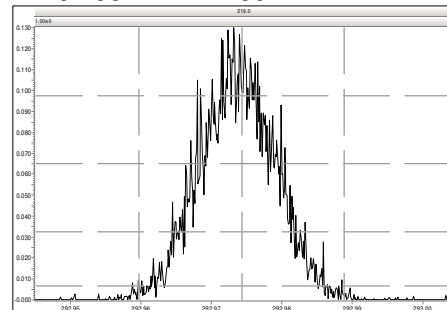
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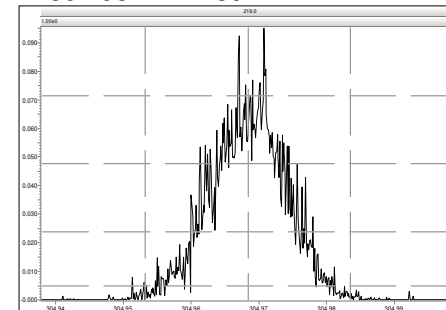
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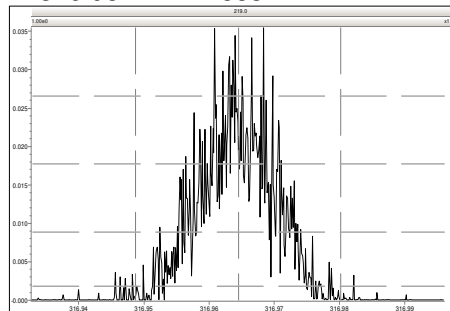


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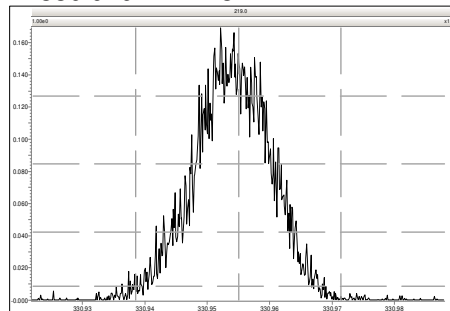


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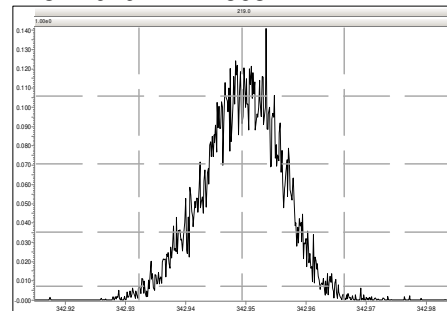
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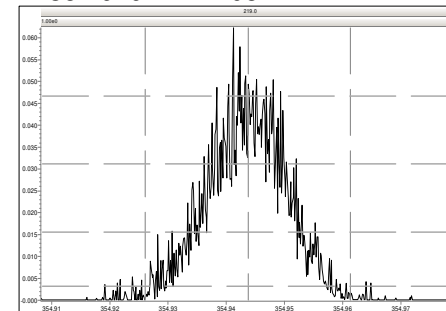
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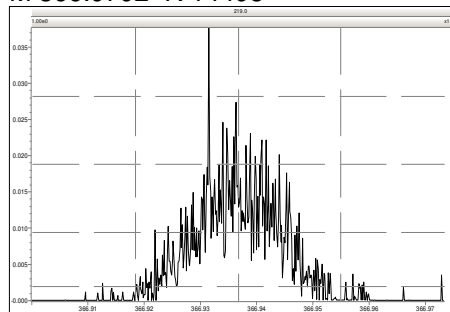
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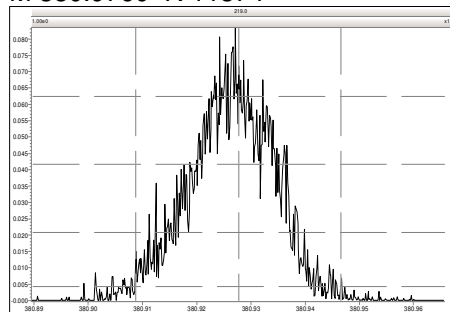
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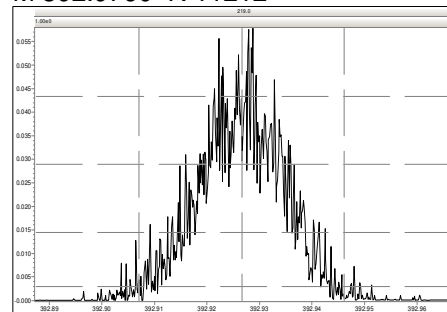
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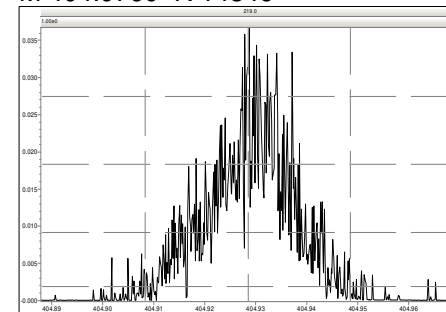
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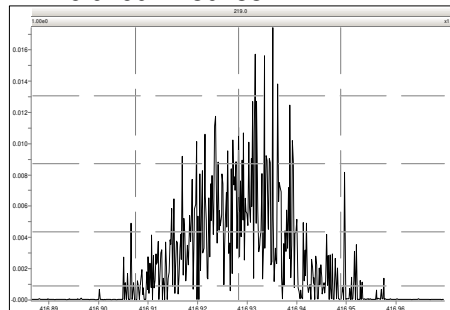
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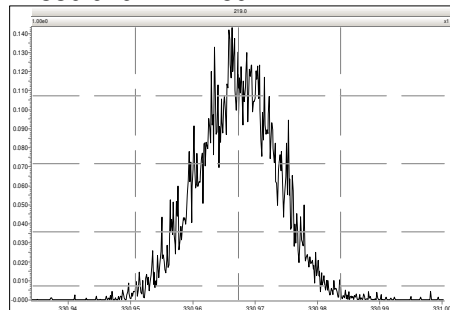
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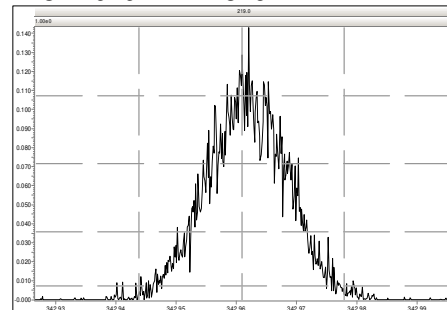
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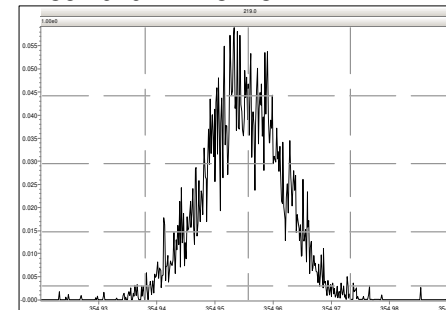
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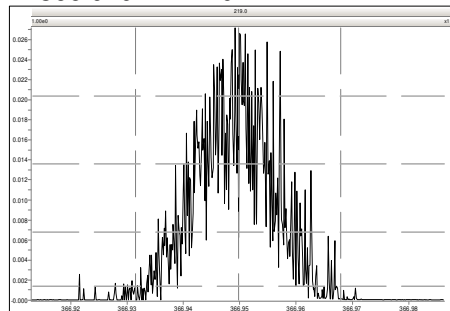


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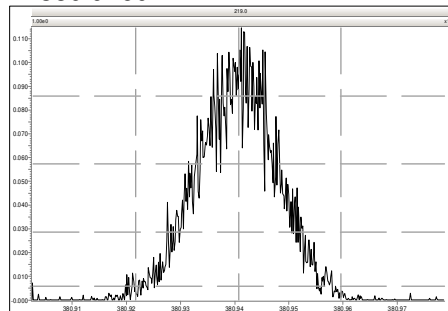


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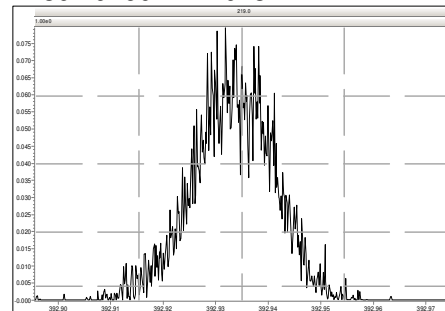
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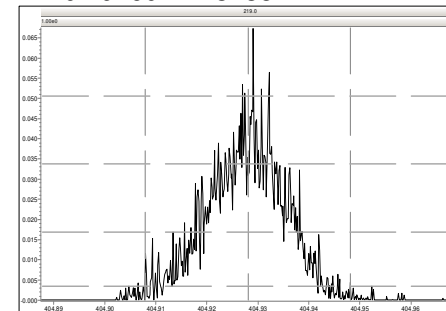
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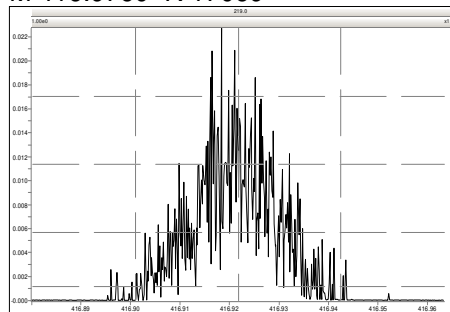
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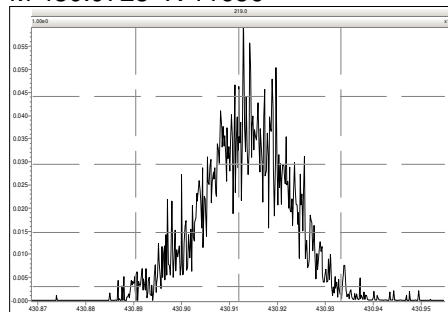
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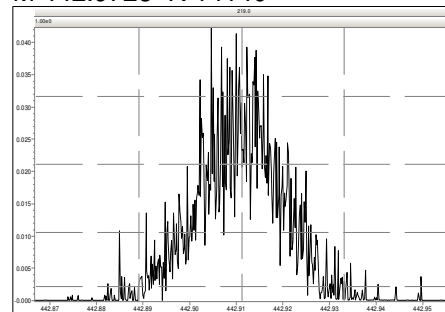
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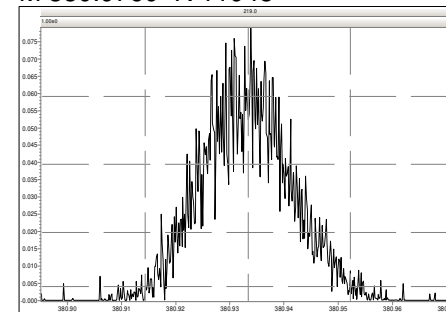
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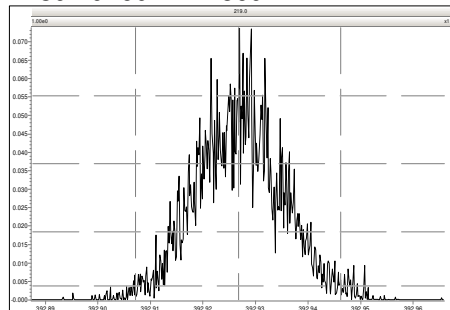
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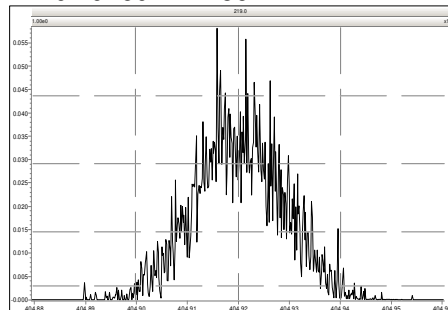
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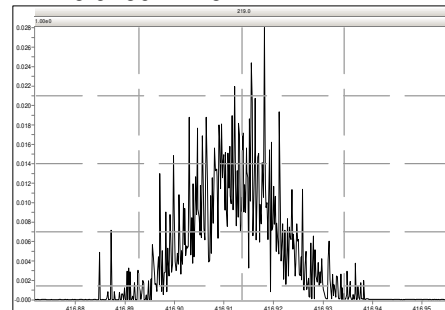
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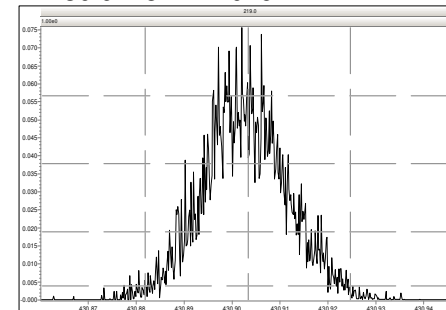
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M 416.9760 R 16717

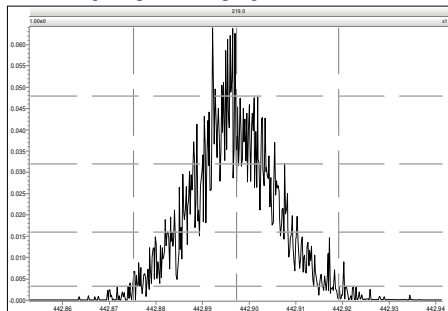


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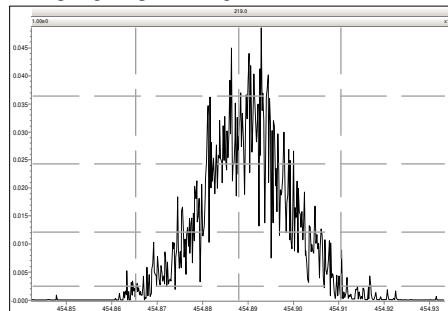


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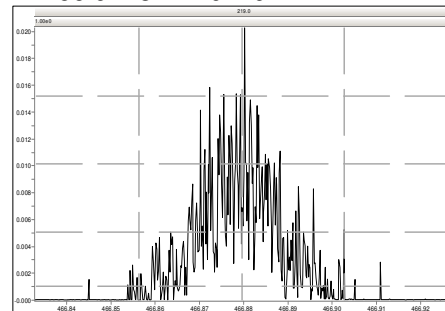
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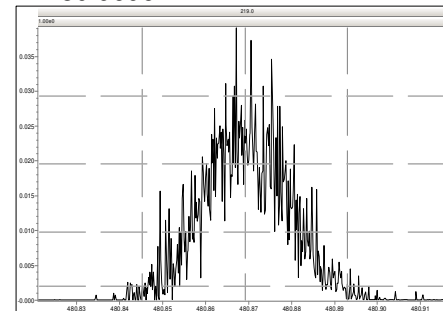
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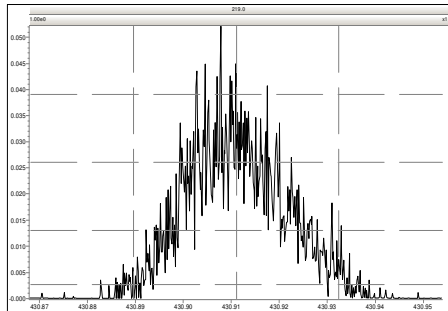
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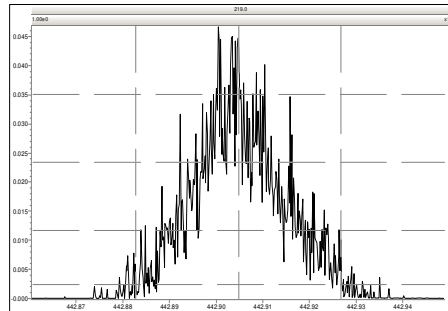
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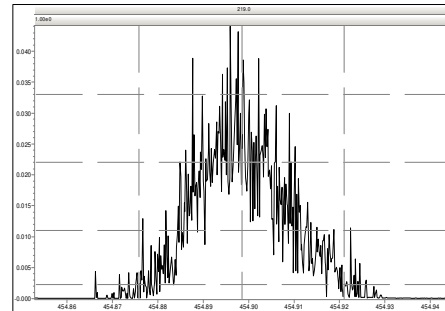
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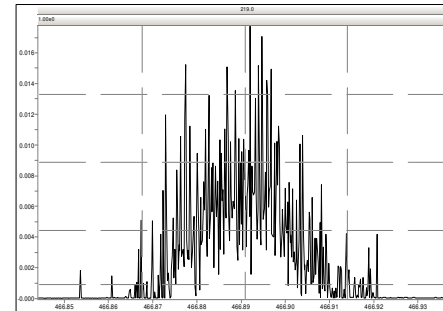
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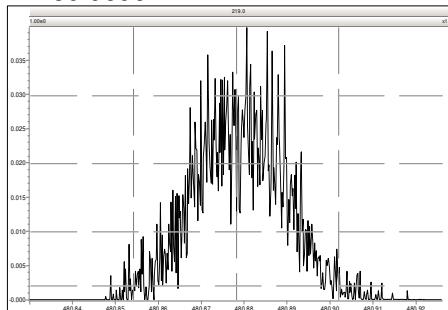
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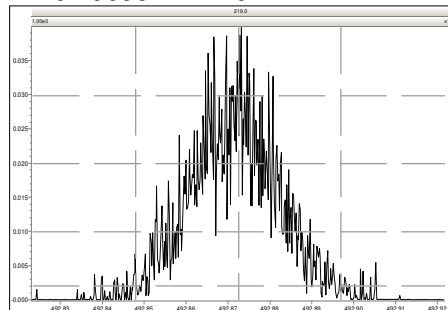
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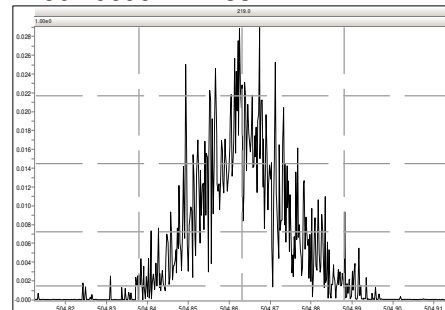
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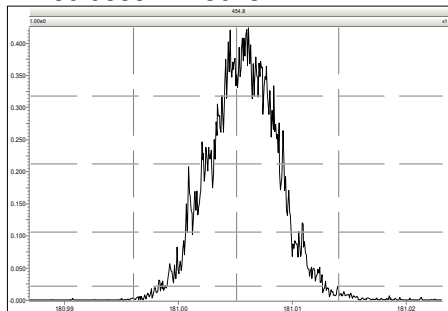


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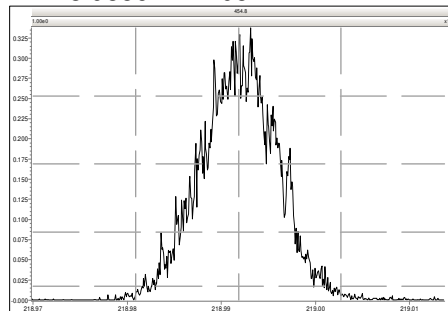


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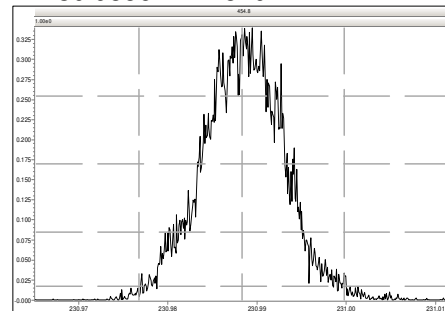
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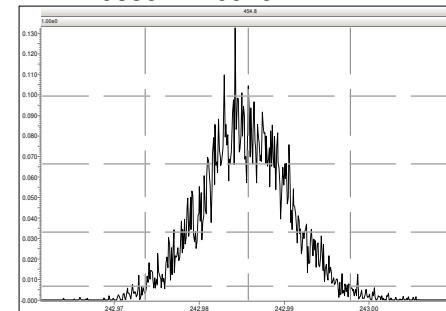
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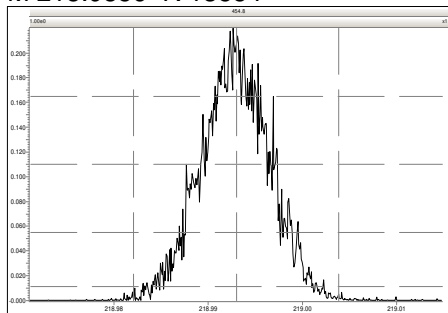
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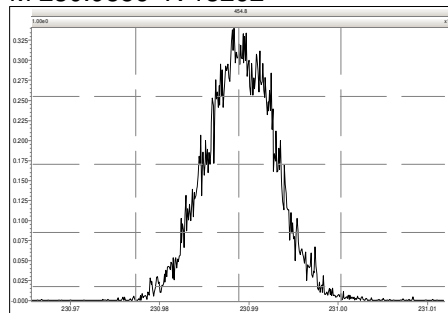
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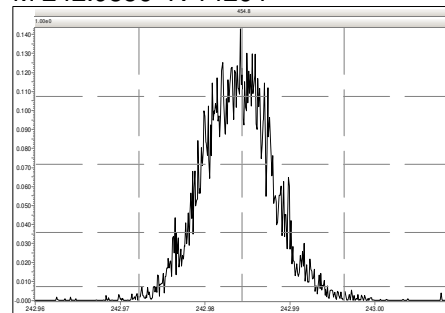
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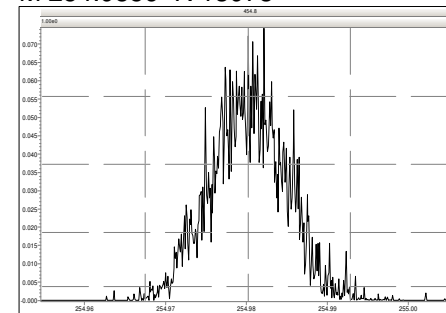
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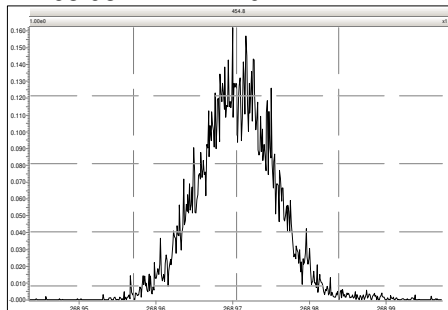
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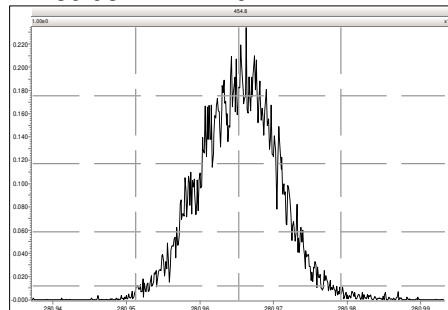
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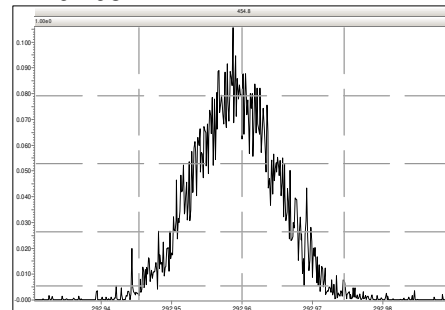
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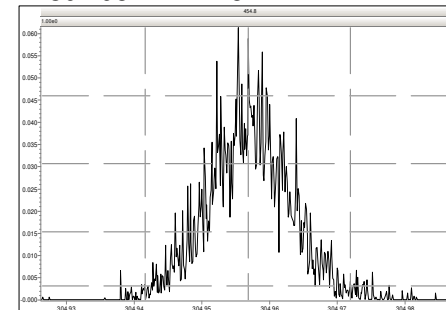
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M 292.9824 R 12722

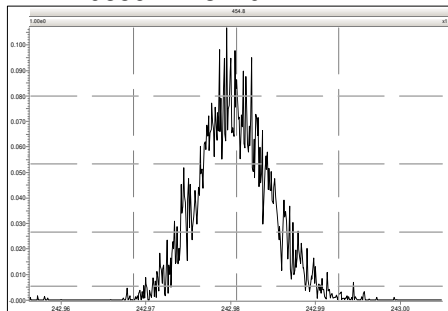


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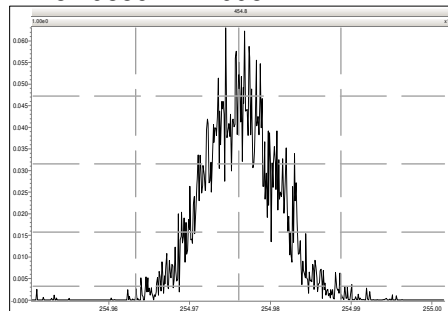


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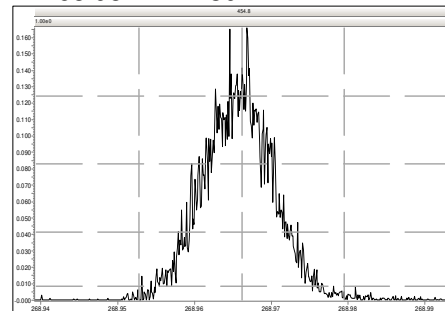
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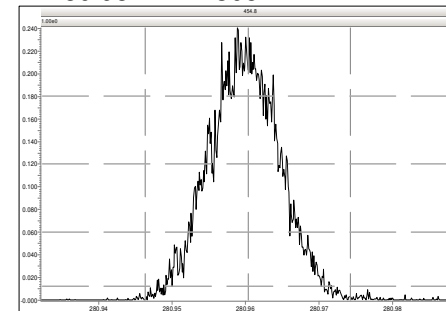
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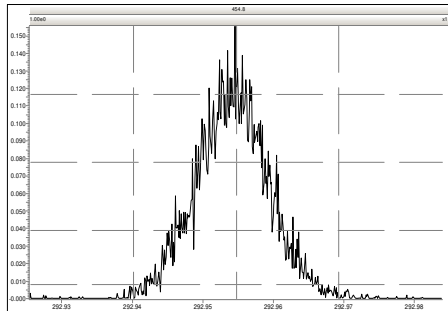
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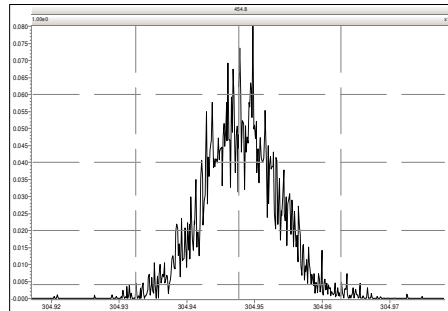
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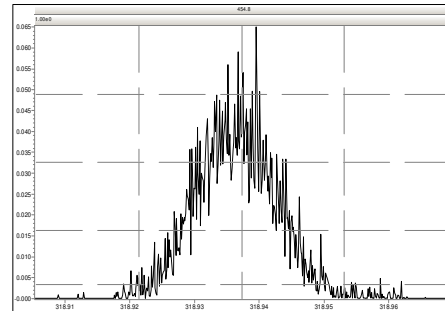
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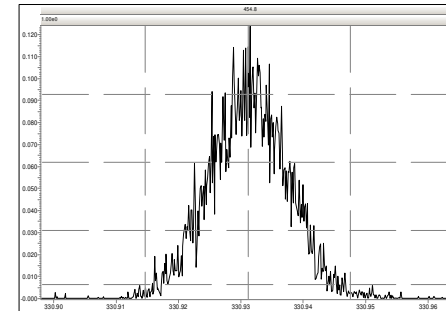
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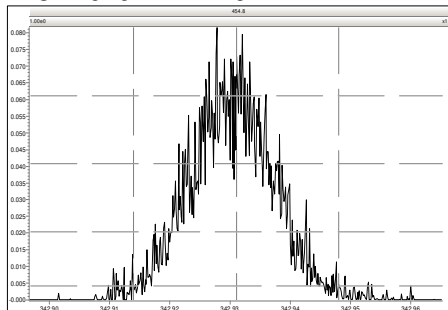
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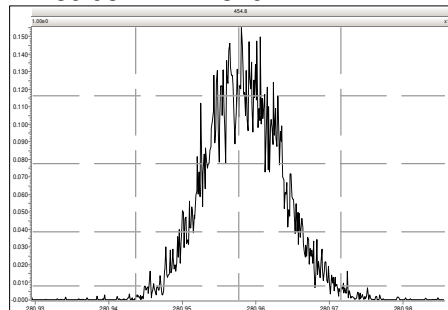
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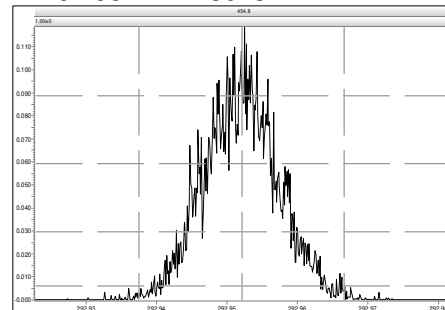
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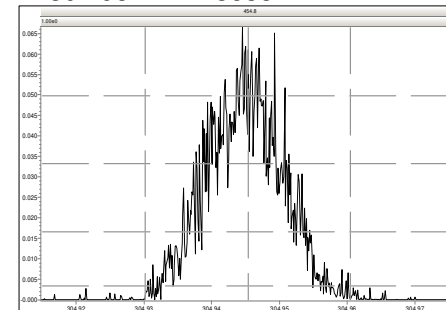
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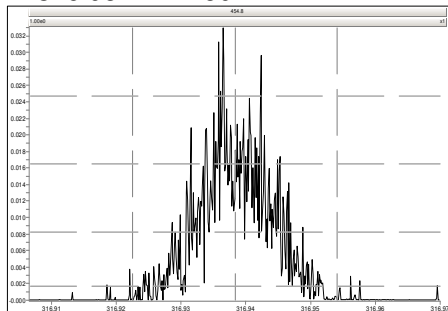


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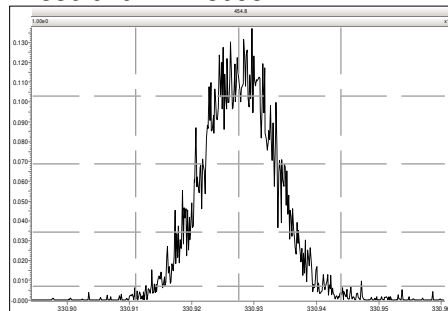


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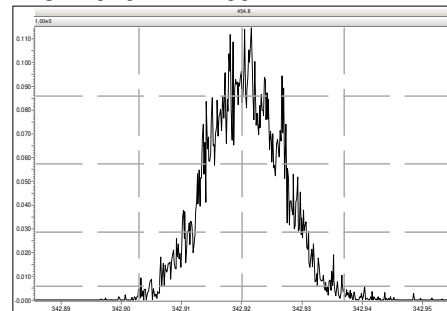
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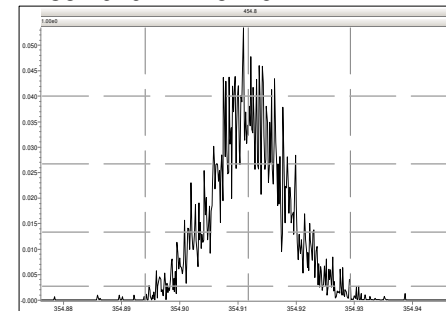
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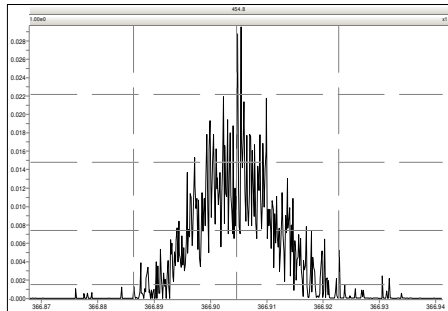
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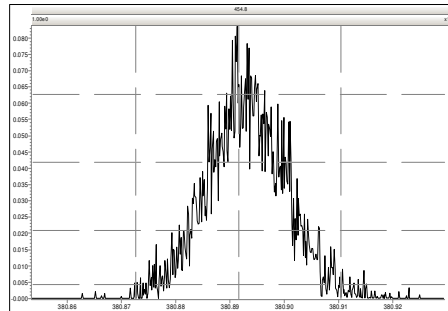
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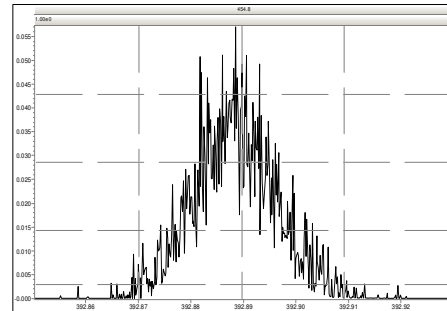
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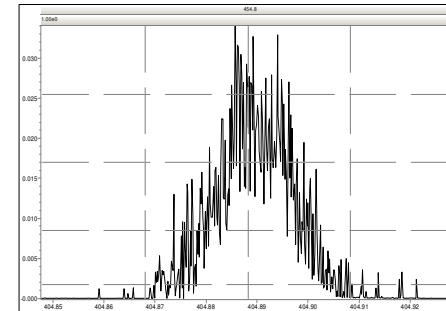
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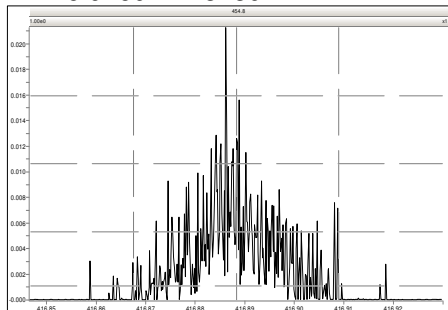
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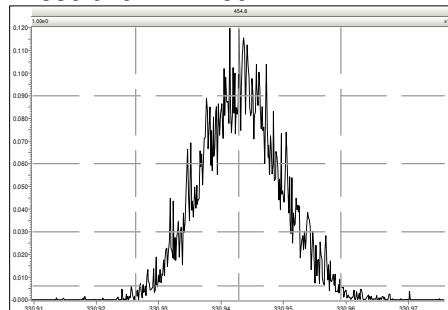
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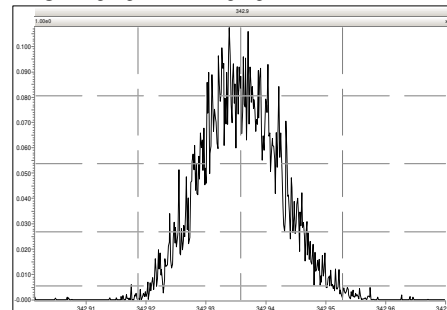
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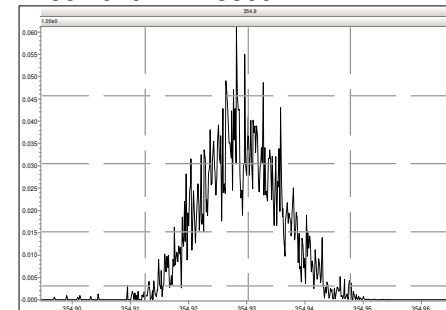
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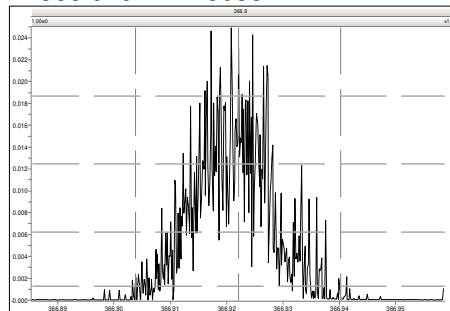


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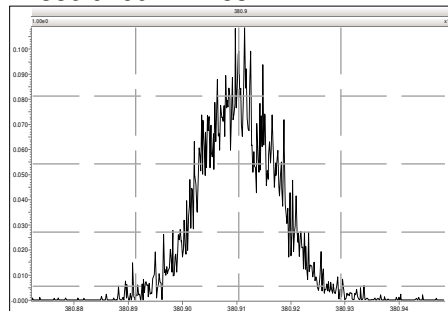


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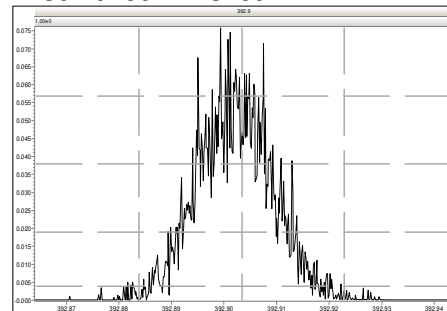
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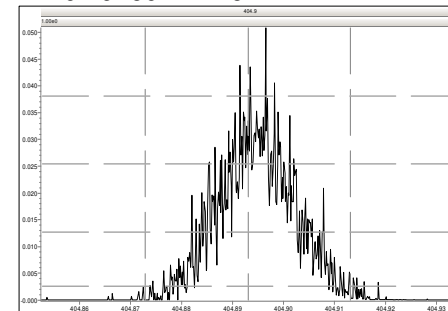
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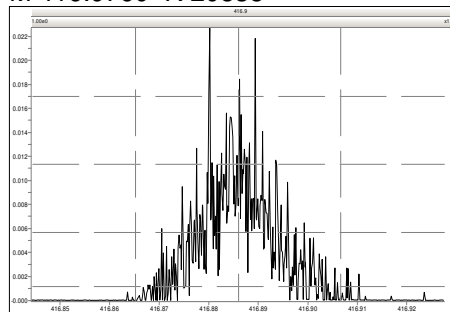
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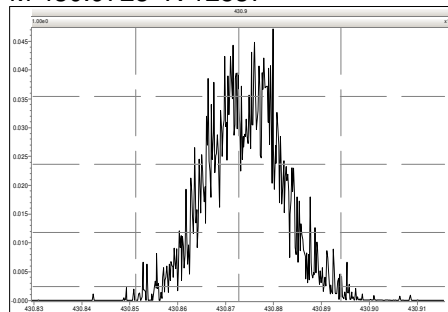
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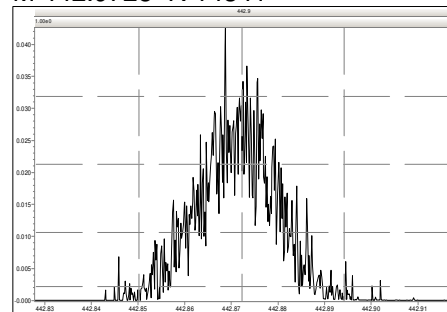
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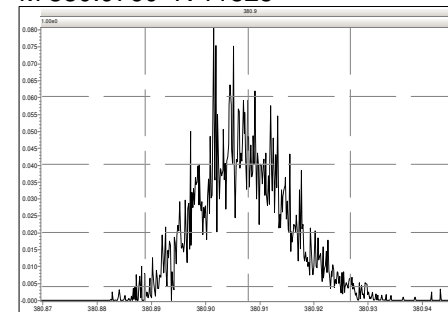
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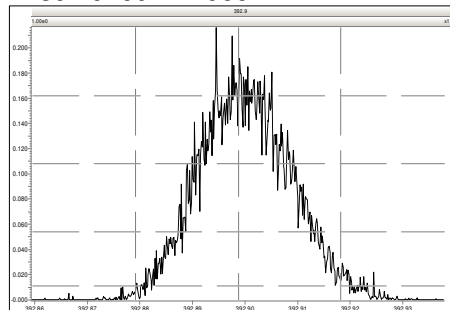
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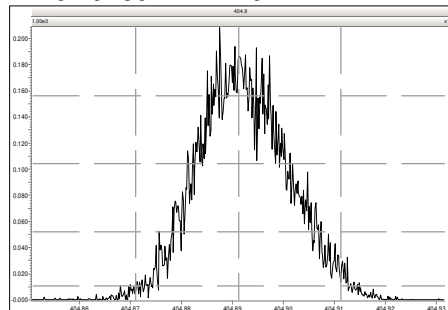
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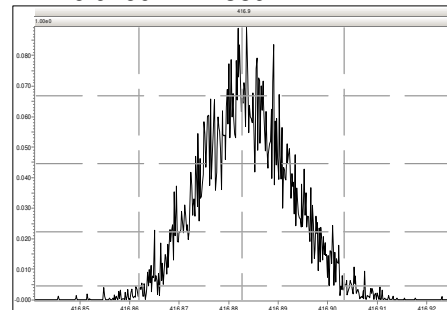
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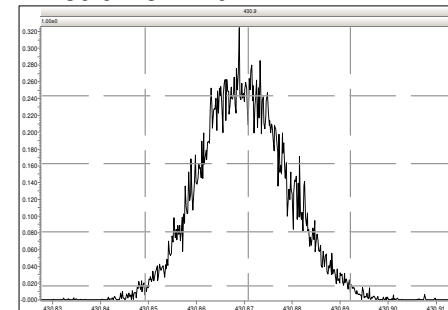
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M 416.9760 R 11389

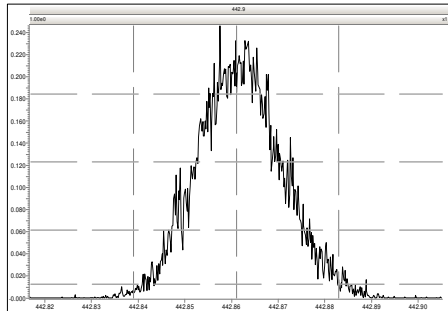


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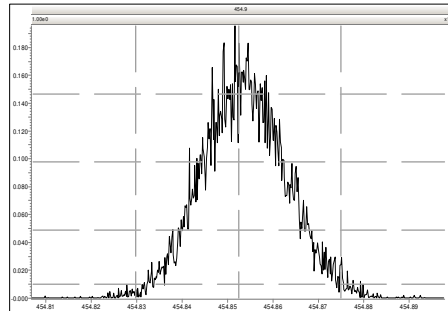


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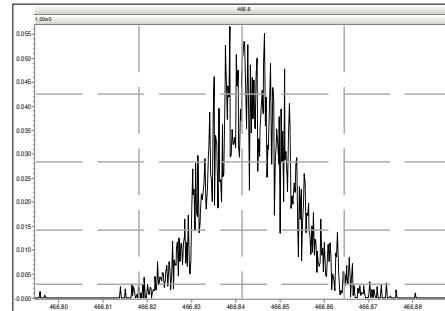
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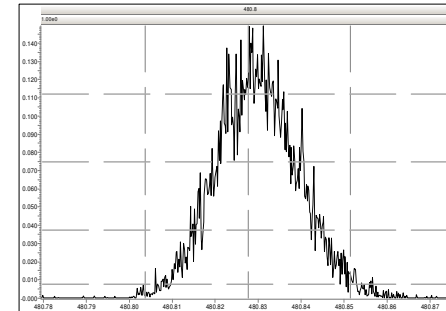
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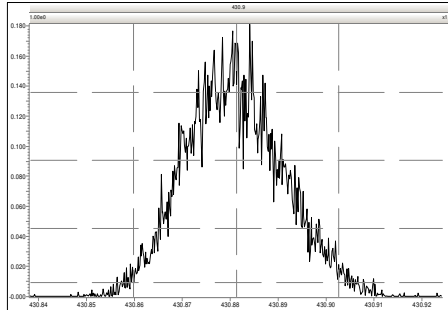
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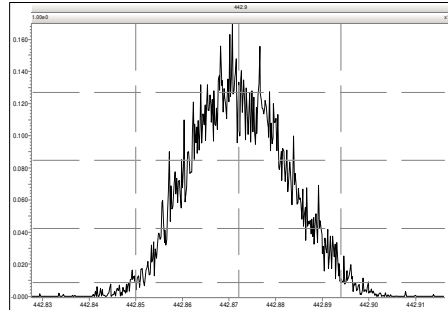
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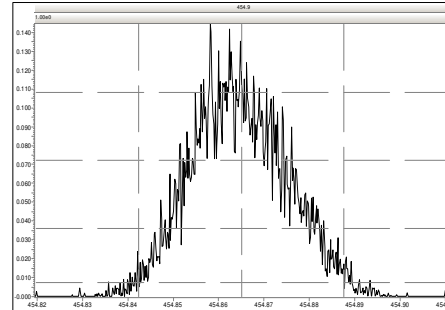
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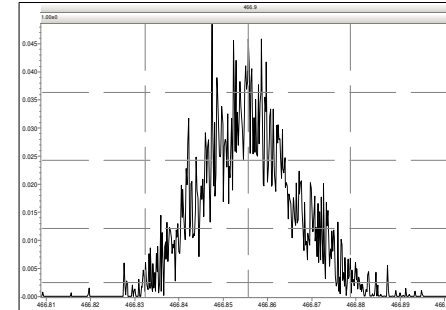
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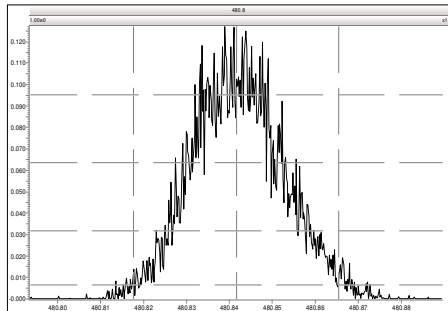
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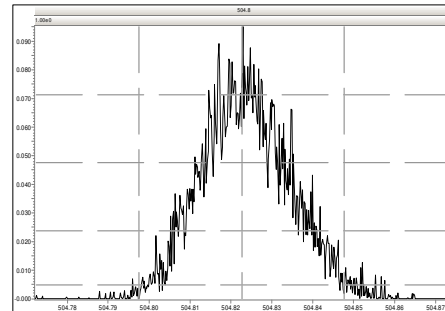
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M 504.9696 R 11204



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

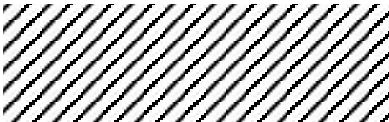


PAH ICAL

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

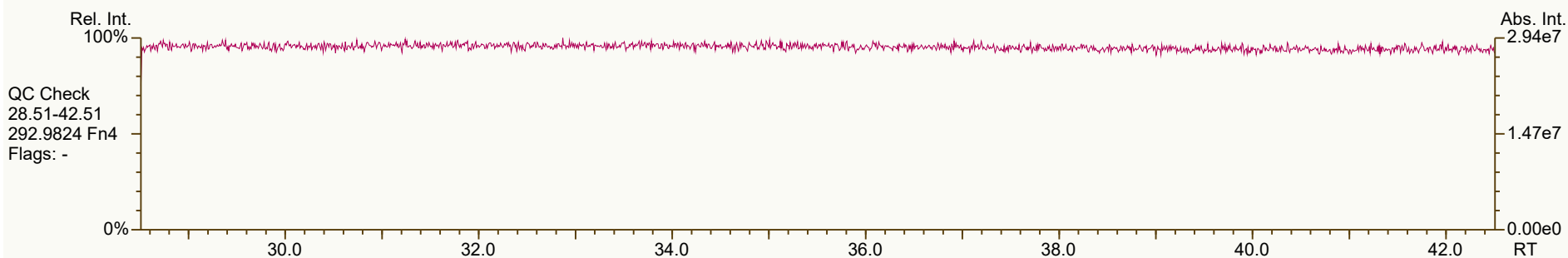
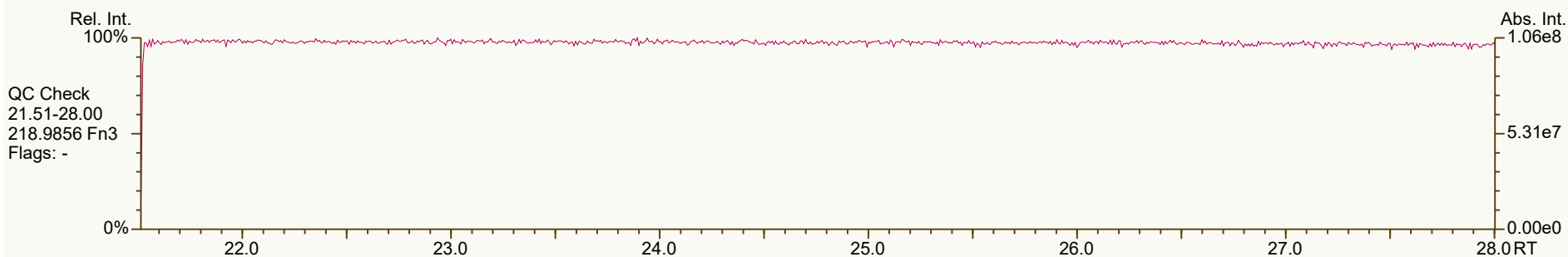
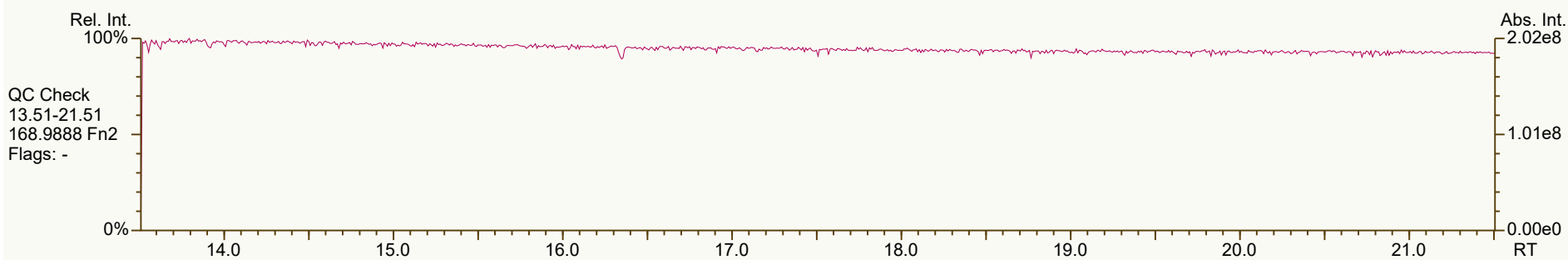
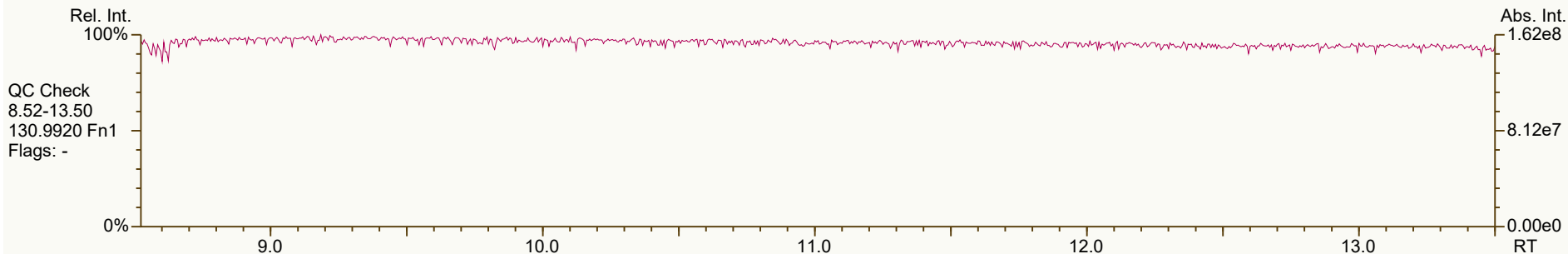
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.54	1.08E+08	-	1.35	1.41	4.7%
13C6-2-Methylnaphthalene	12.27	7.68E+07	-	0.99	1.01	1.8%
13C6-Acenaphthylene	15.27	6.39E+07	-	1.37	1.41	3.2%
13C6-Acenaphthene	15.84	4.21E+07	-	0.91	0.93	2.2%
13C6-Fluorene	17.46	5.23E+07	-	1.09	1.15	5.6%
13C6-Phenanthrene	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



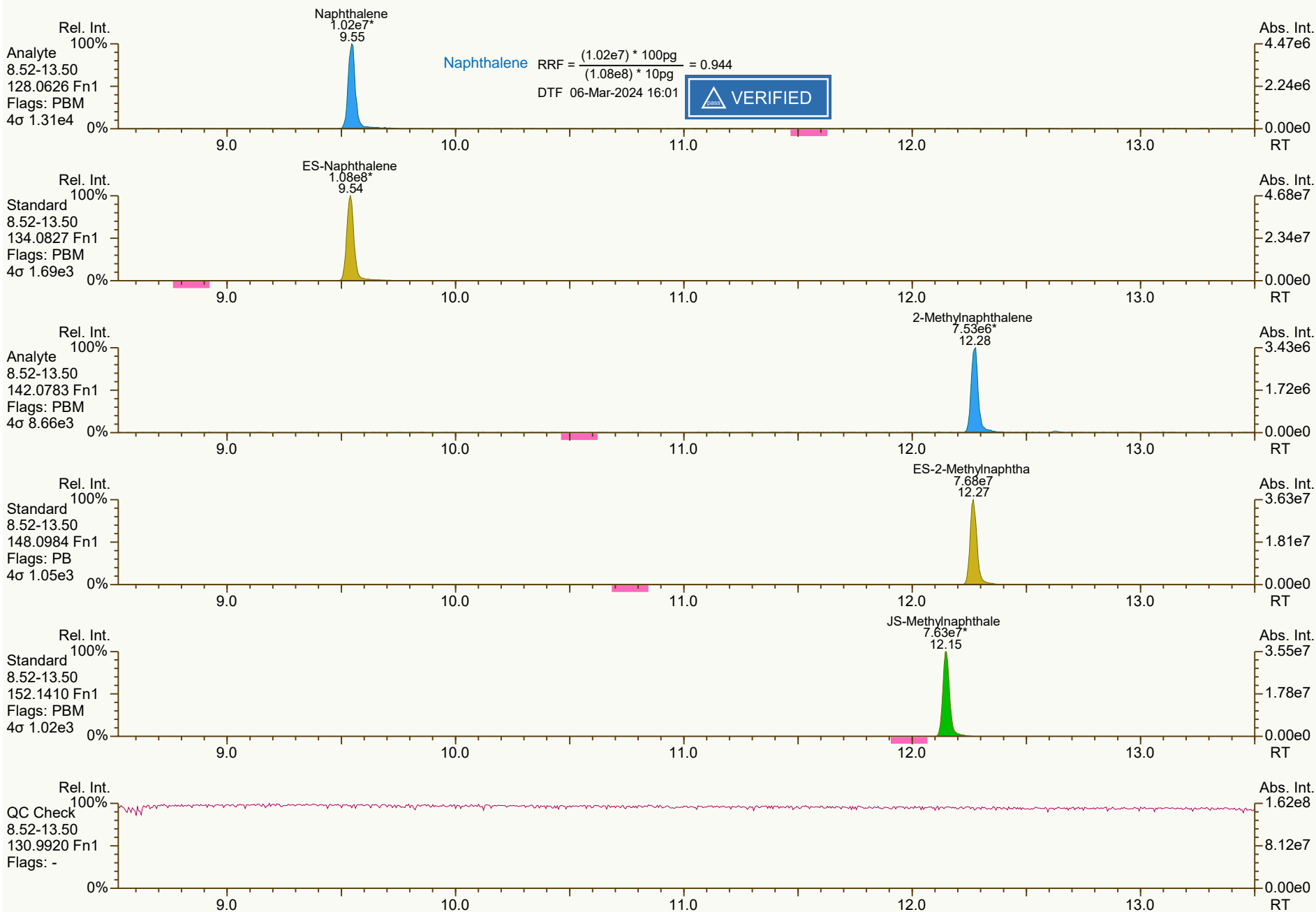
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 974-350

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



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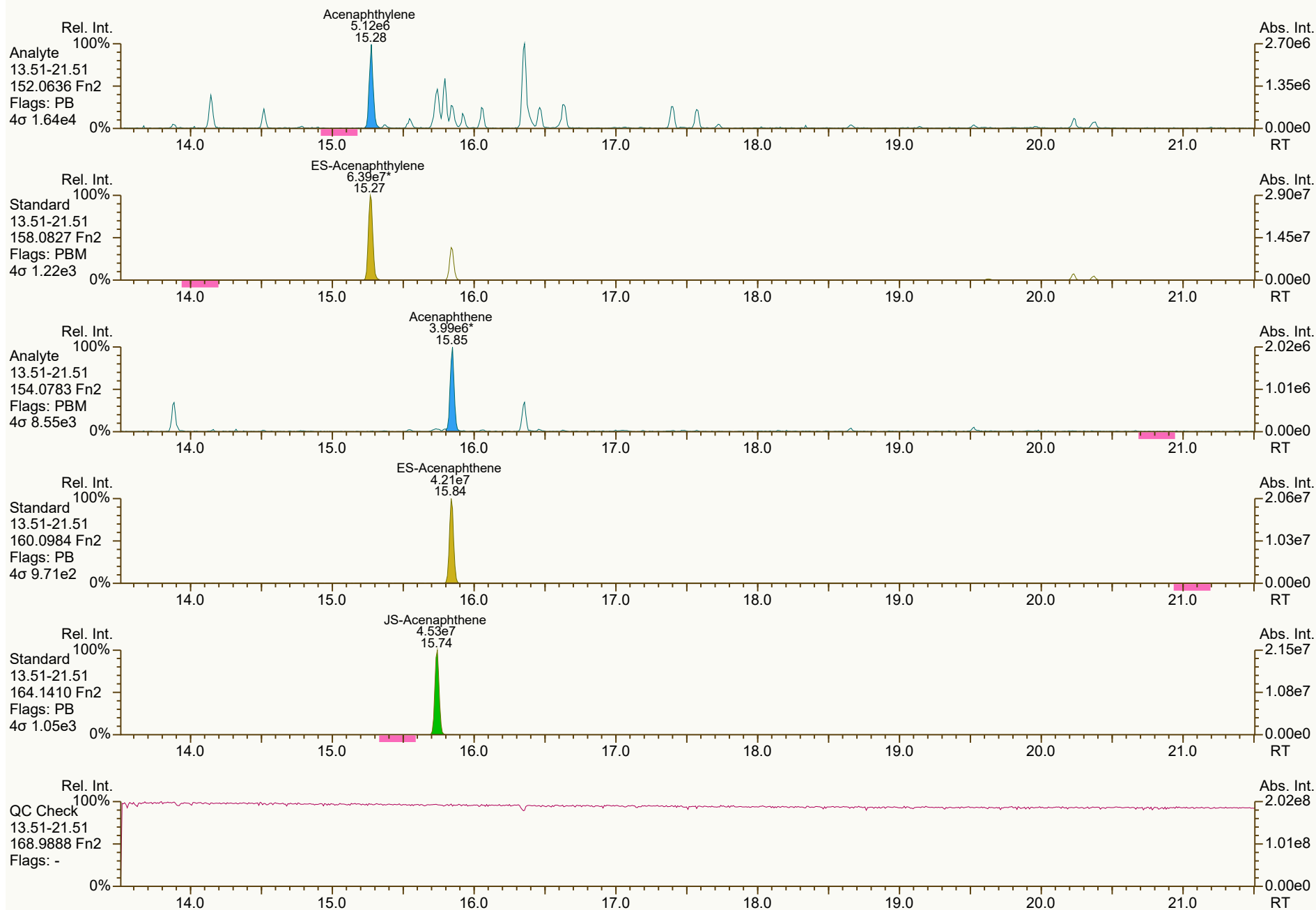
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:33 (DTF) Printed: 06-Mar-2024 16:07 Page 2 of 9

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



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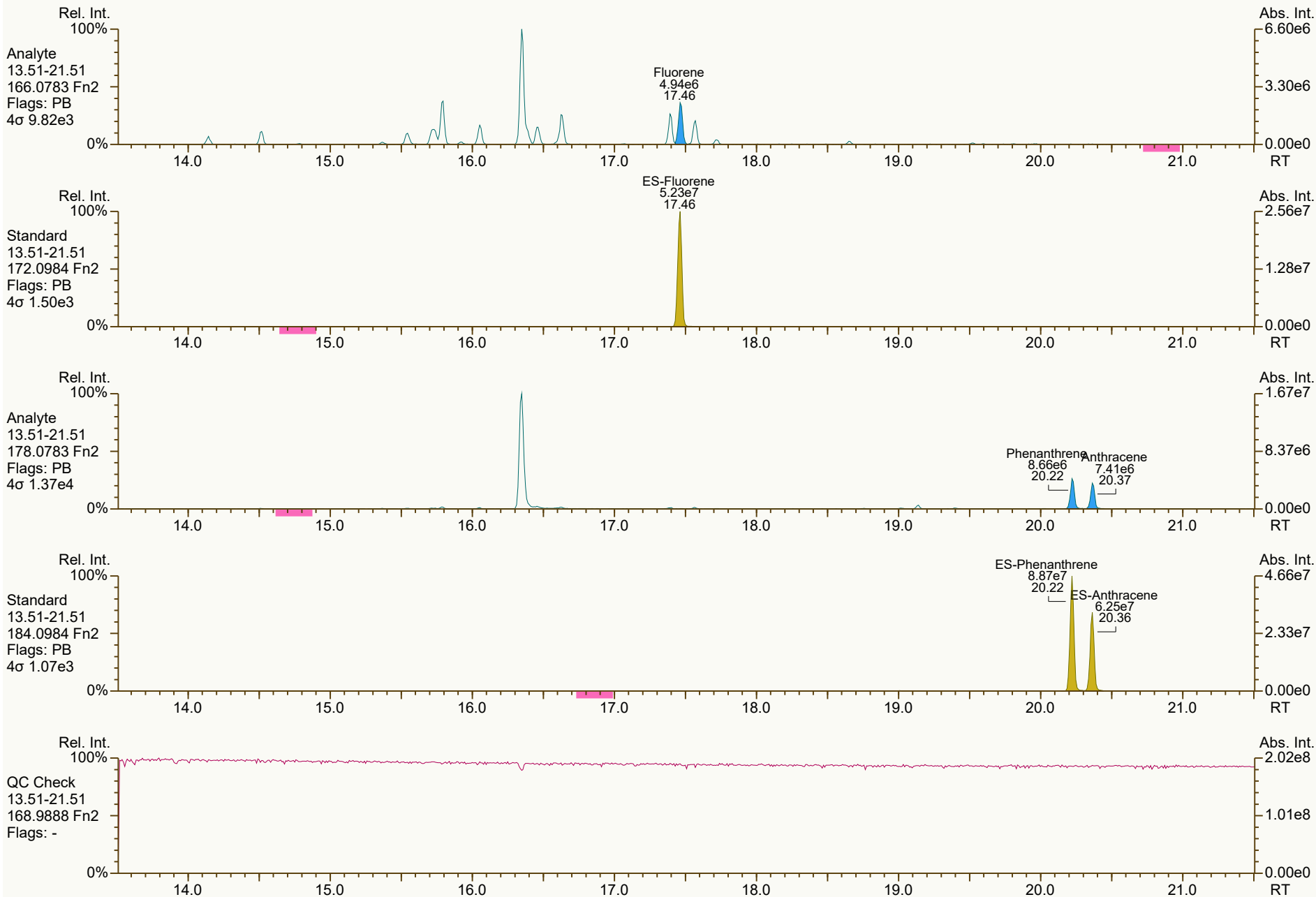
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:34 (DTF) Printed: 06-Mar-2024 16:07 Page 3 of 9

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



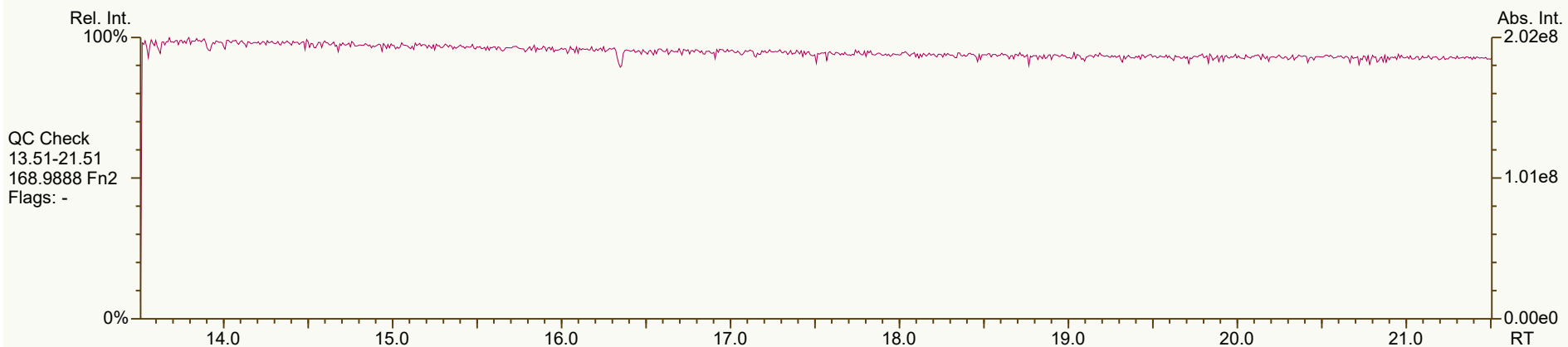
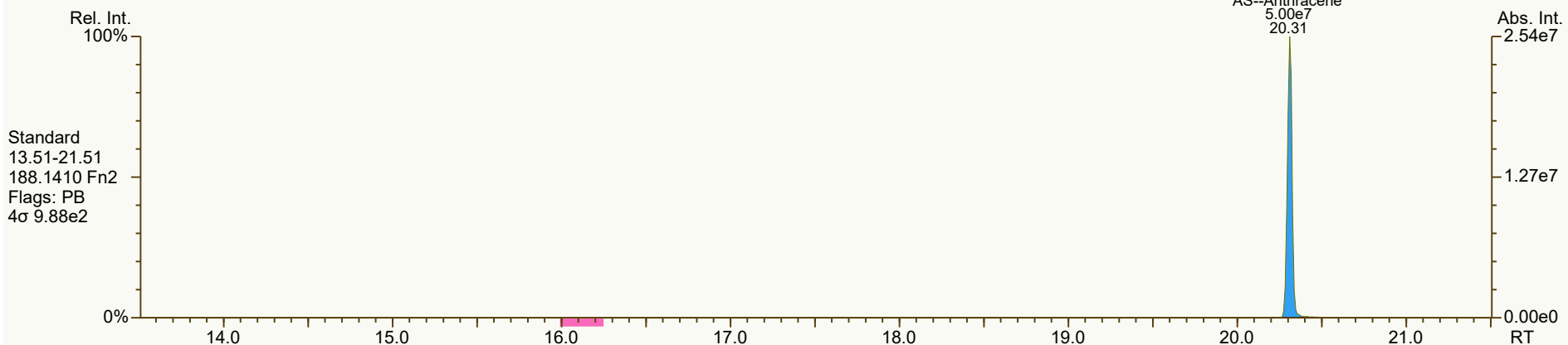
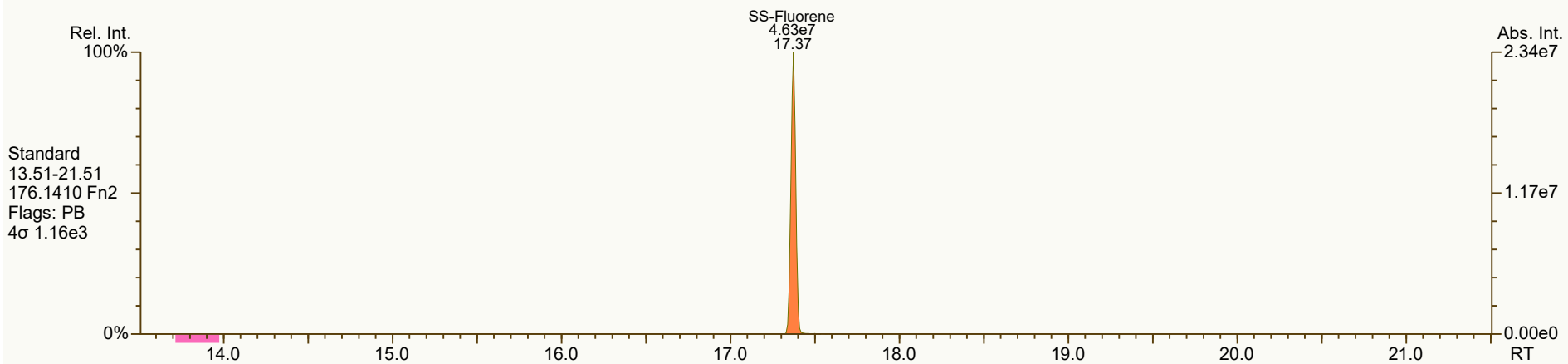
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Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:33 Printed: 06-Mar-2024 16:07 Page 4 of 9

SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-81-2
VSIR EI+ Expt: pah GC: pah Vial: 9

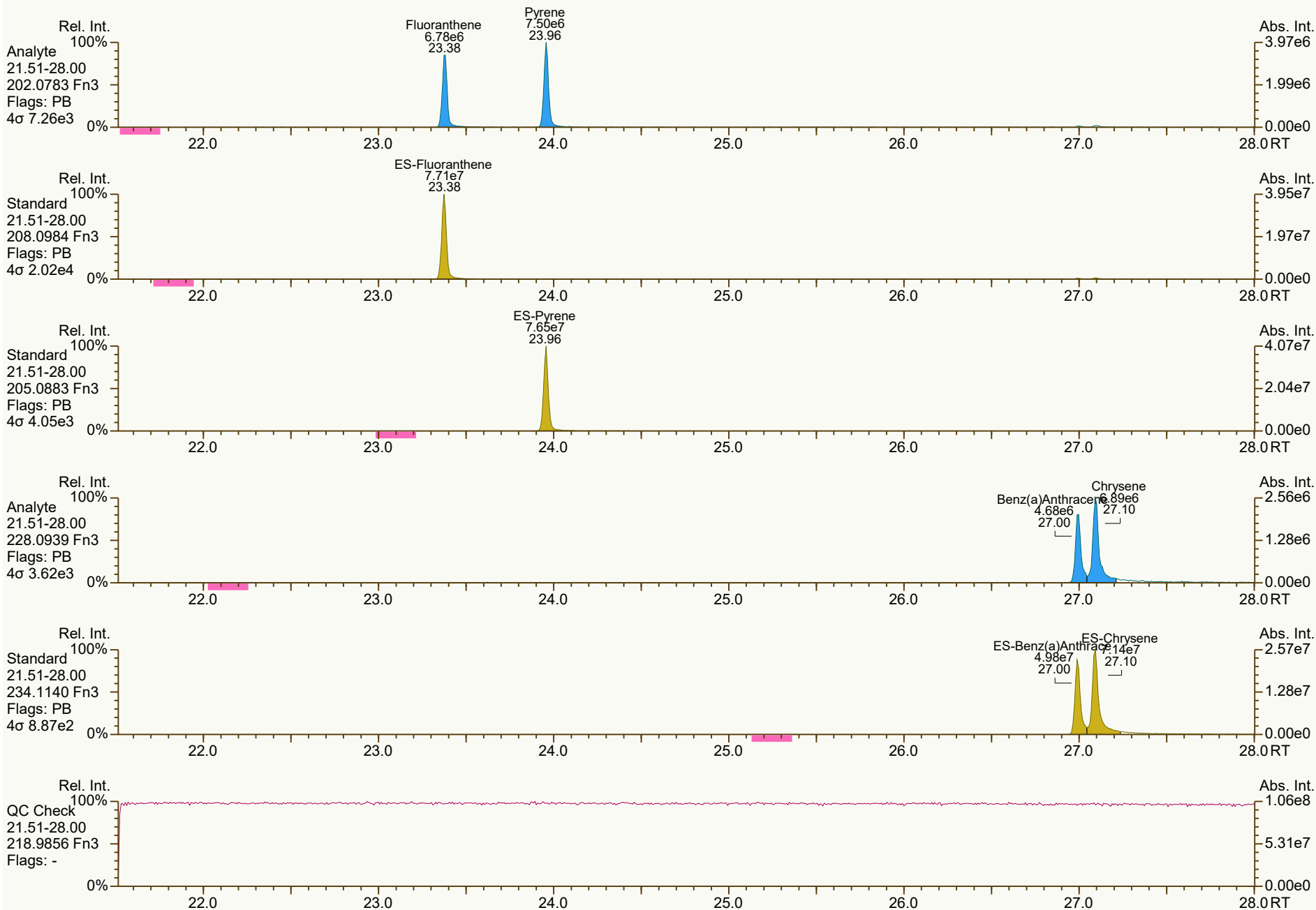
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User: DTF Datafile: 240305V06



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



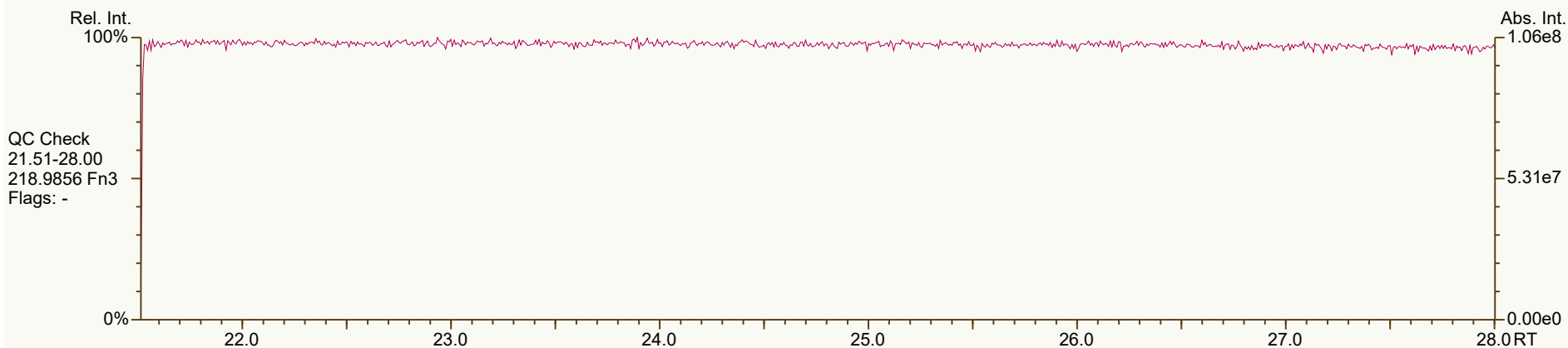
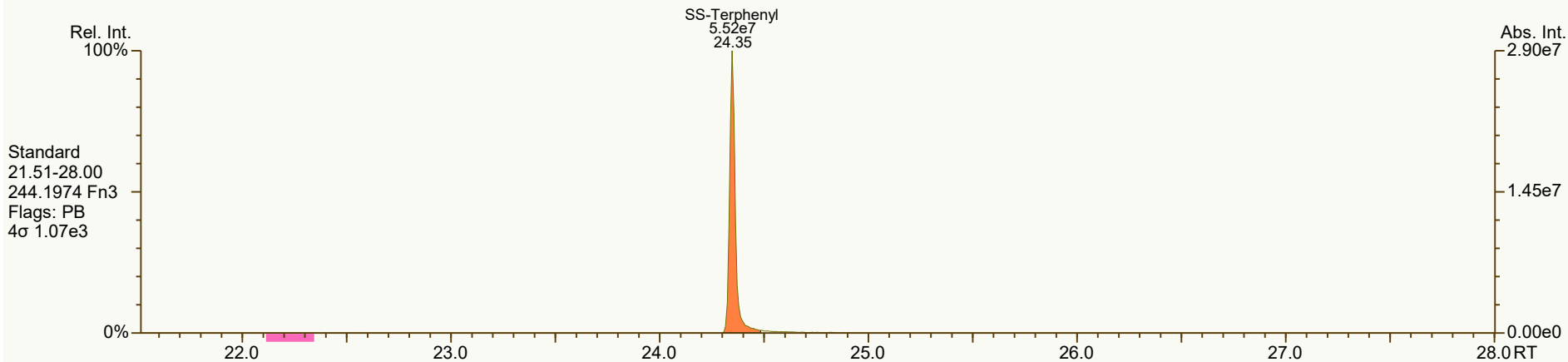
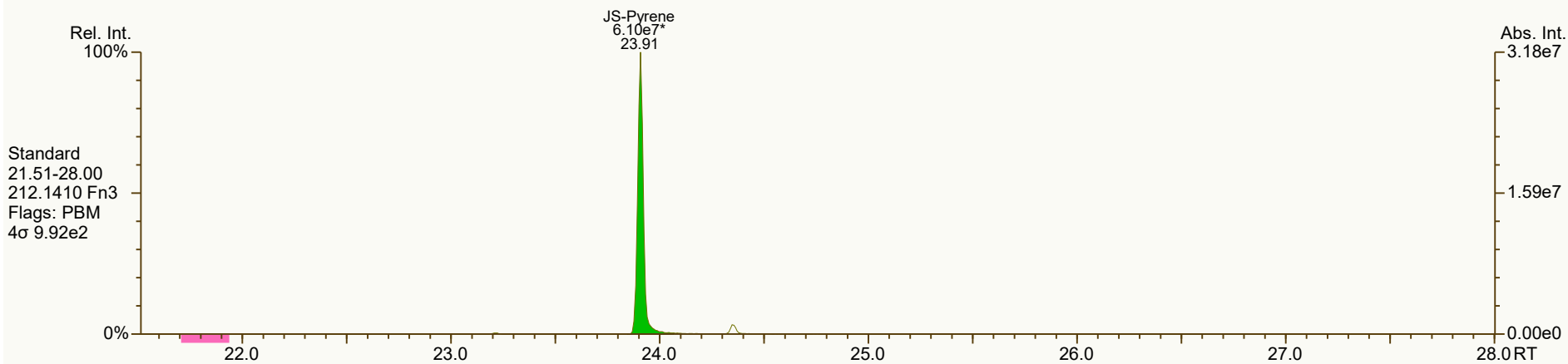
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 9766, 9835, 2532, 1235, 6354 scc: 974-350

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

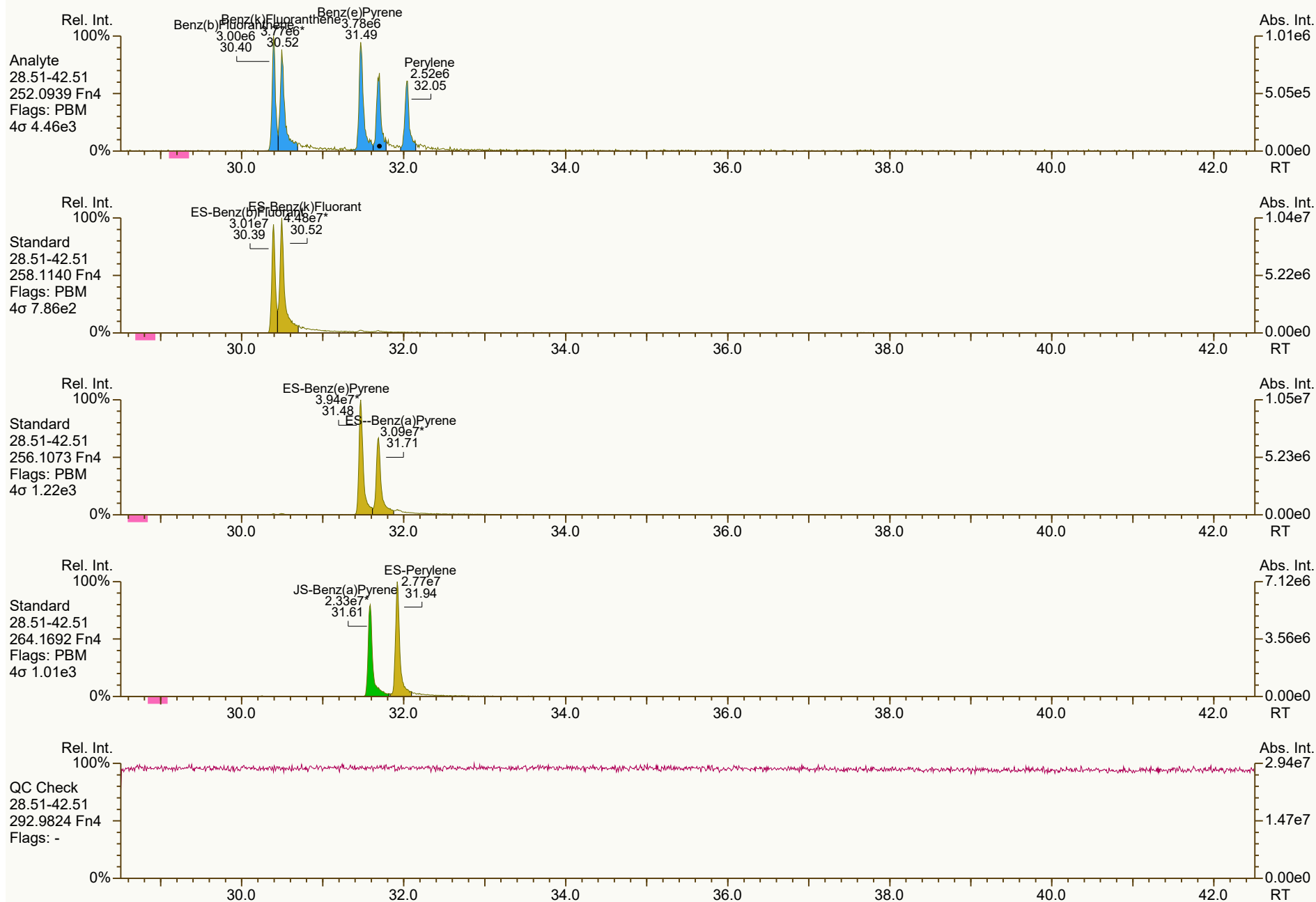
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SGS ID: CS1_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

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)

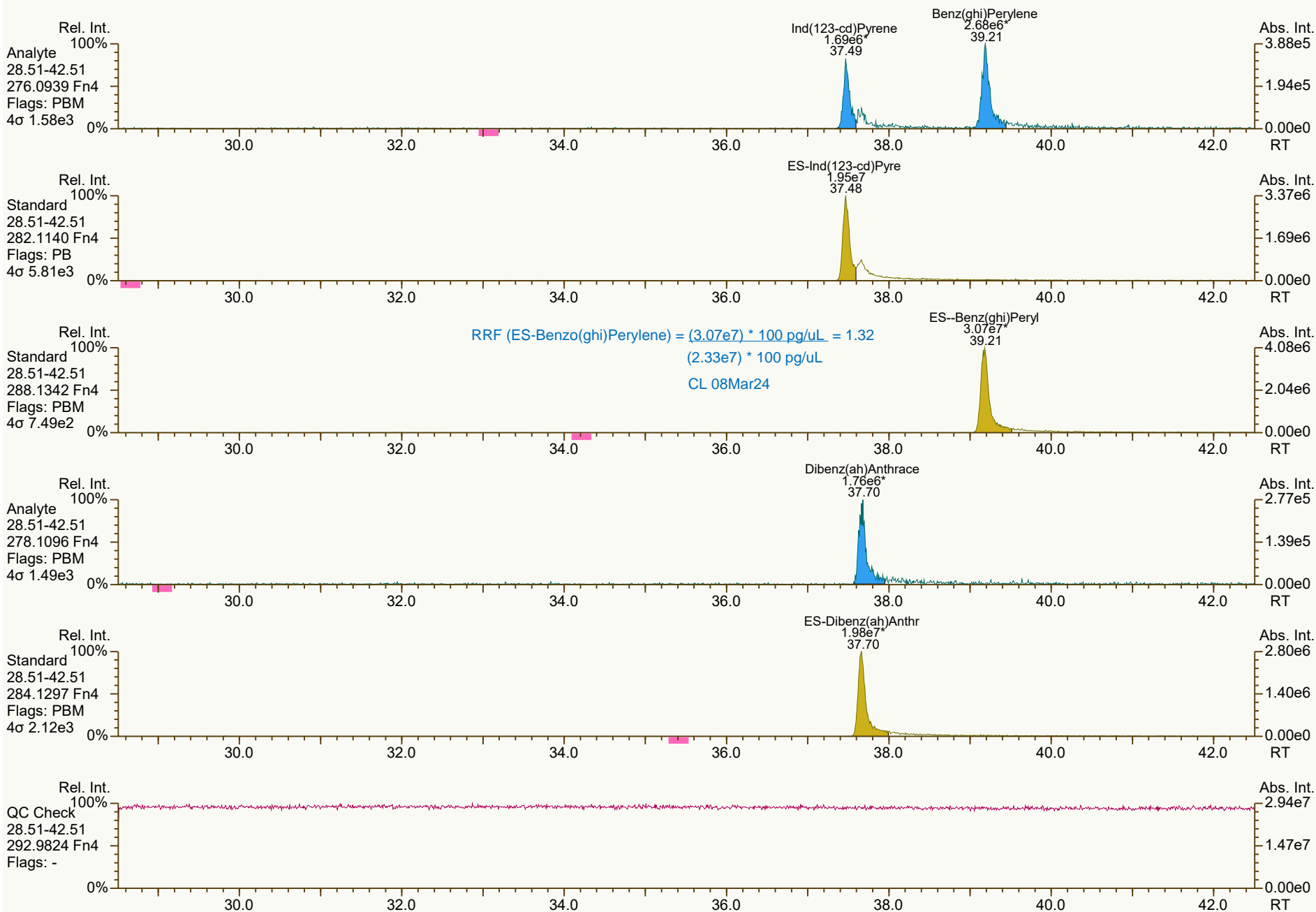
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:36 (DTF) Printed: 06-Mar-2024 16:07 Page 8 of 9

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

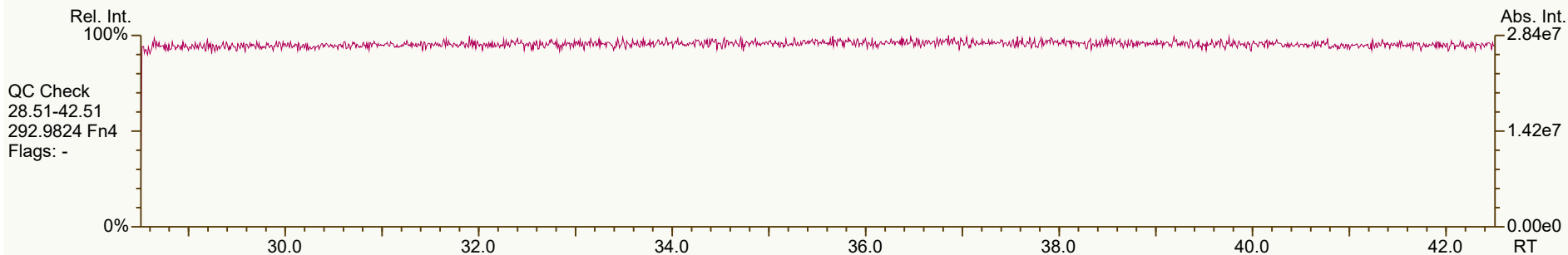
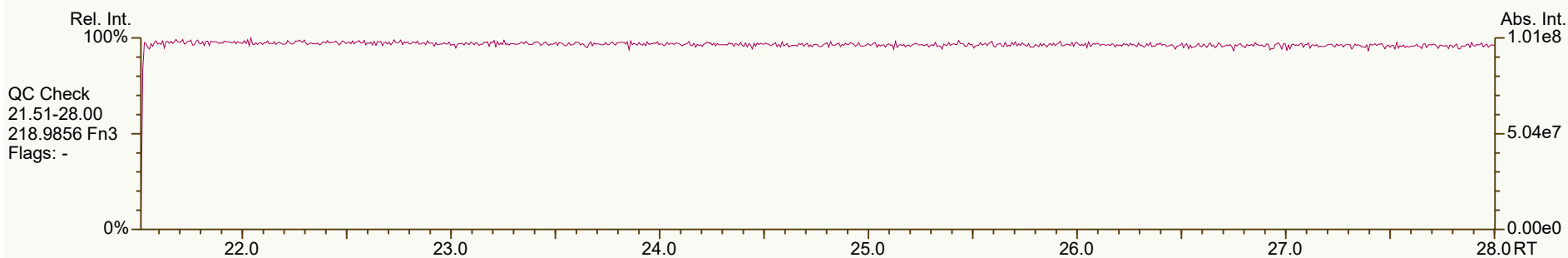
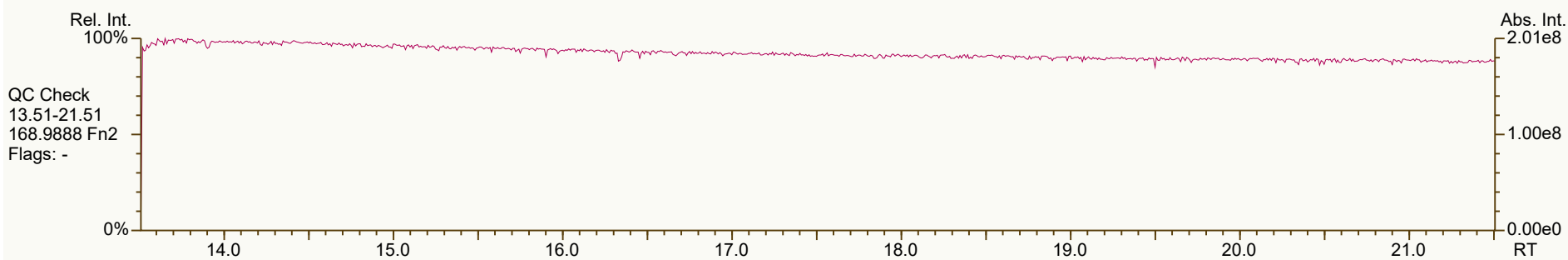
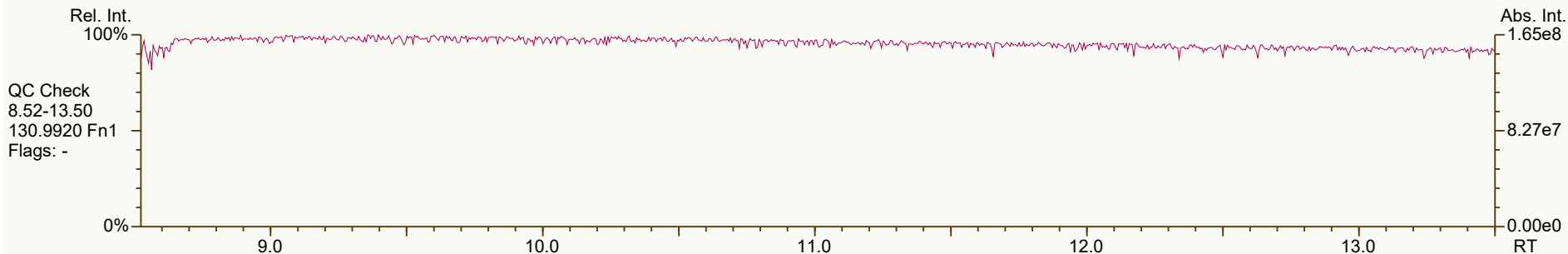
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.04E+08	-	1.35	1.27	-5.8%
13C6-2-Methylnaphthalene	12.26	7.48E+07	-	0.99	0.92	-7.4%
13C6-Acenaphthylene	15.26	6.06E+07	-	1.37	1.22	-10.6%
13C6-Acenaphthene	15.83	4.10E+07	-	0.91	0.83	-9.0%
13C6-Fluorene	17.45	4.92E+07	-	1.09	0.99	-9.2%
13C6-Phenanthrene	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



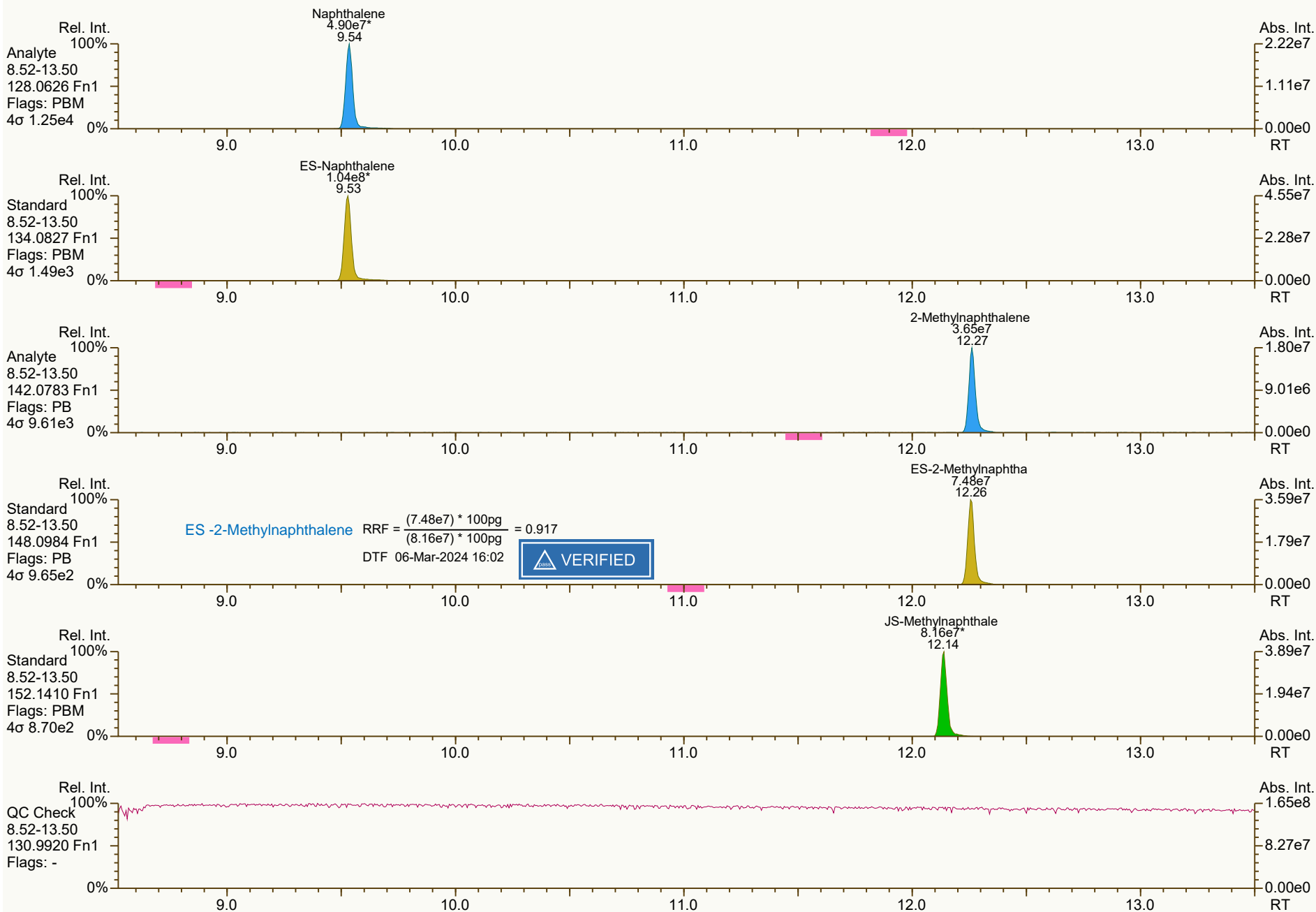
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 356-753

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



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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



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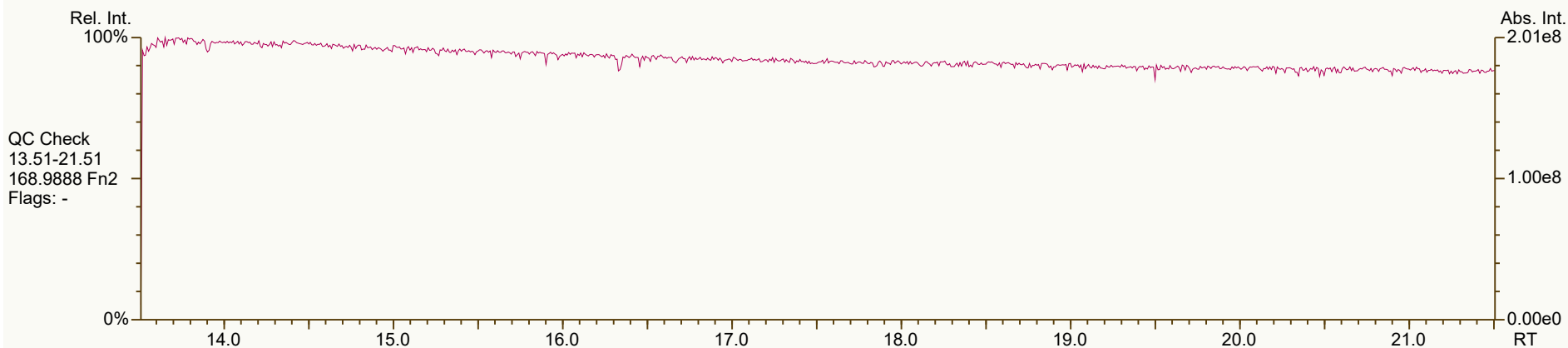
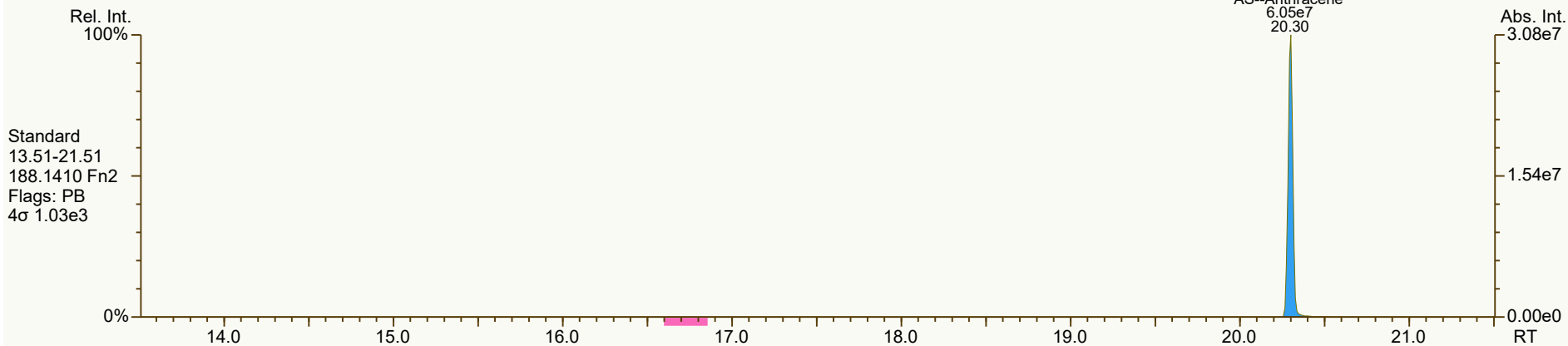
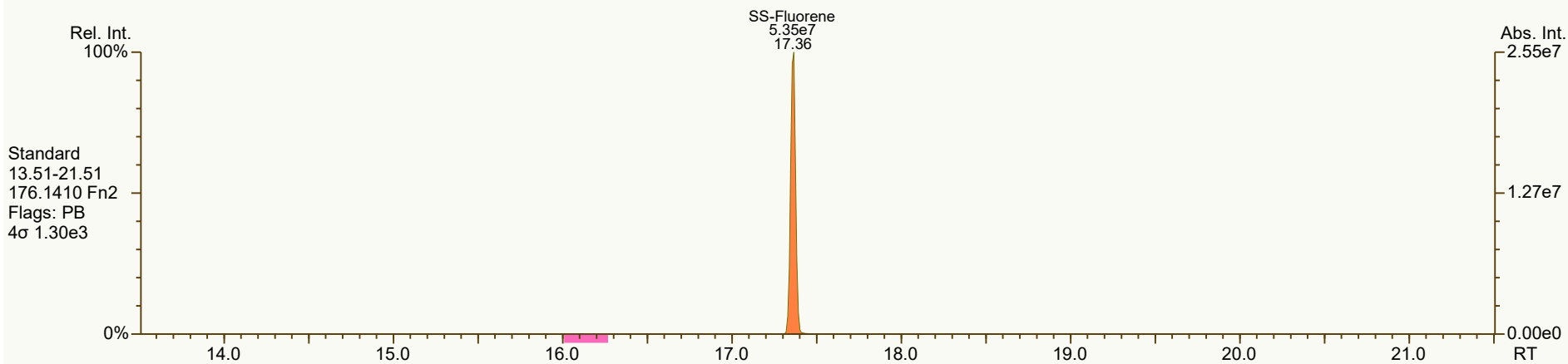
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Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:37 Printed: 06-Mar-2024 16:08 Page 4 of 9

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



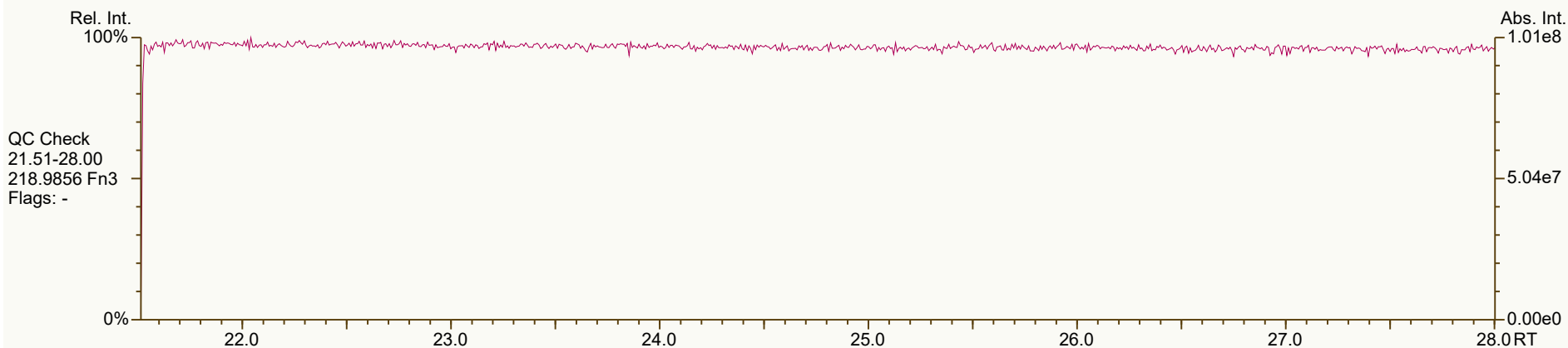
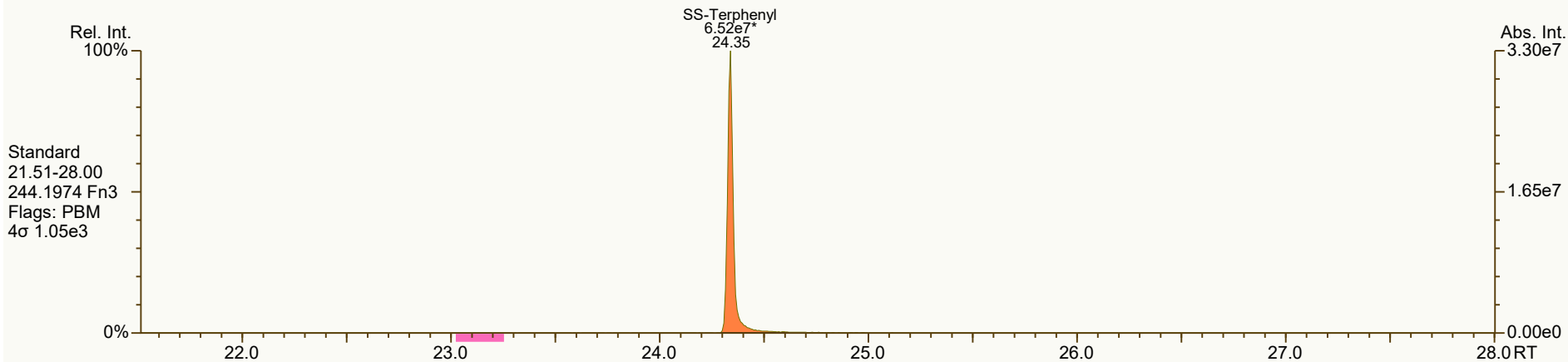
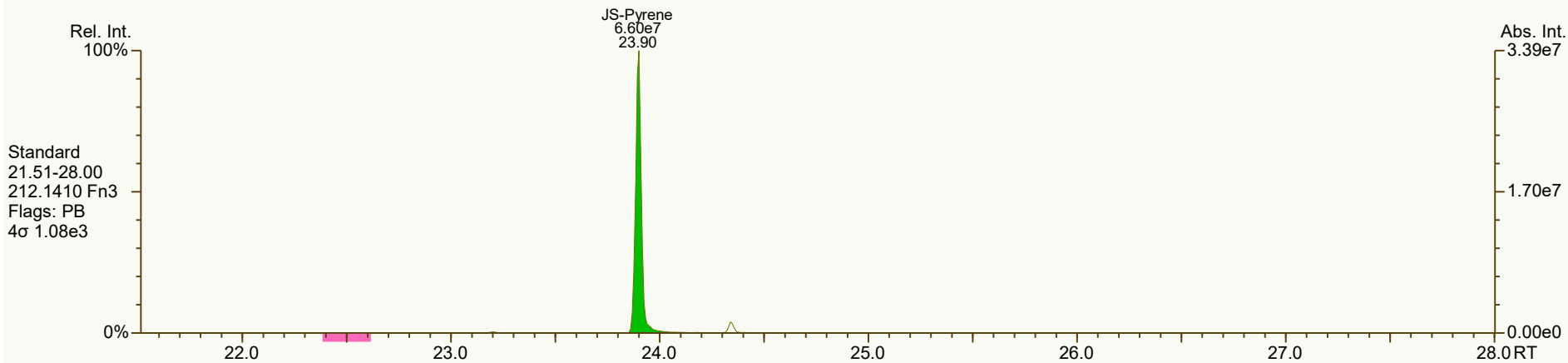
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8423, 8145, 2330, 8330, 1224 scc: 356-753

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

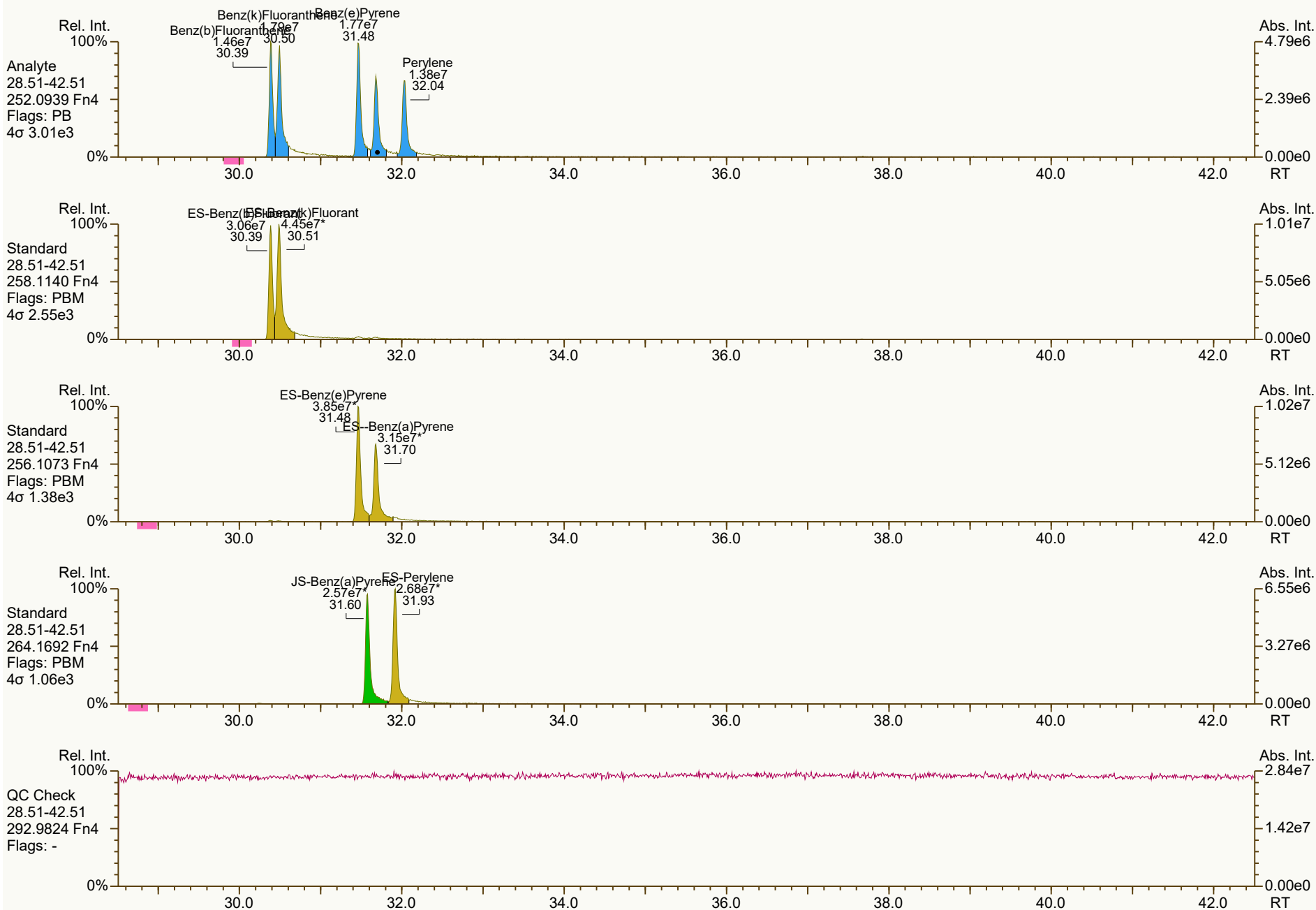
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User: DTF Datafile: 240305V07



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

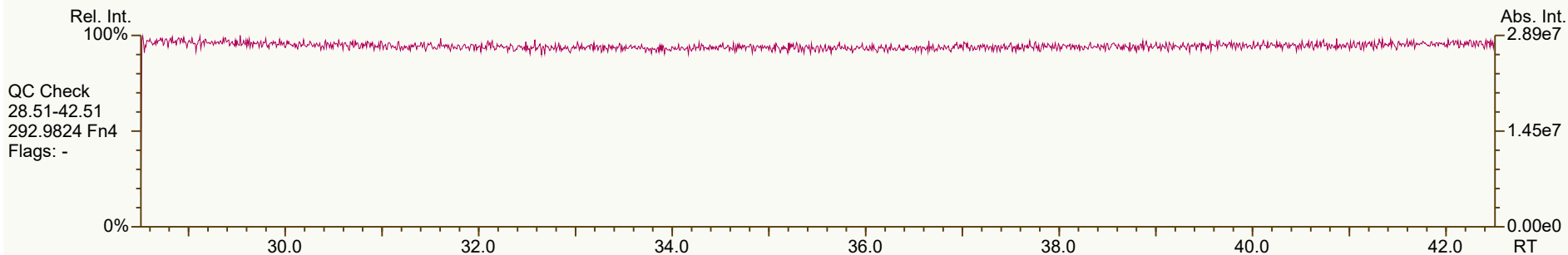
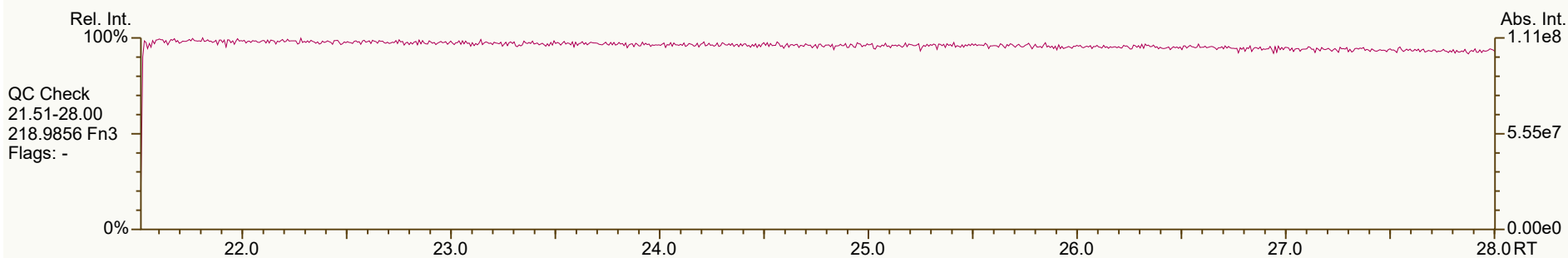
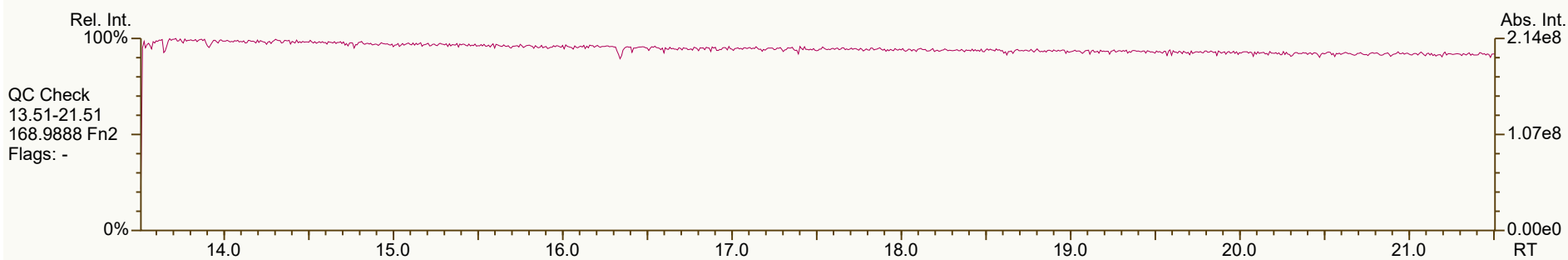
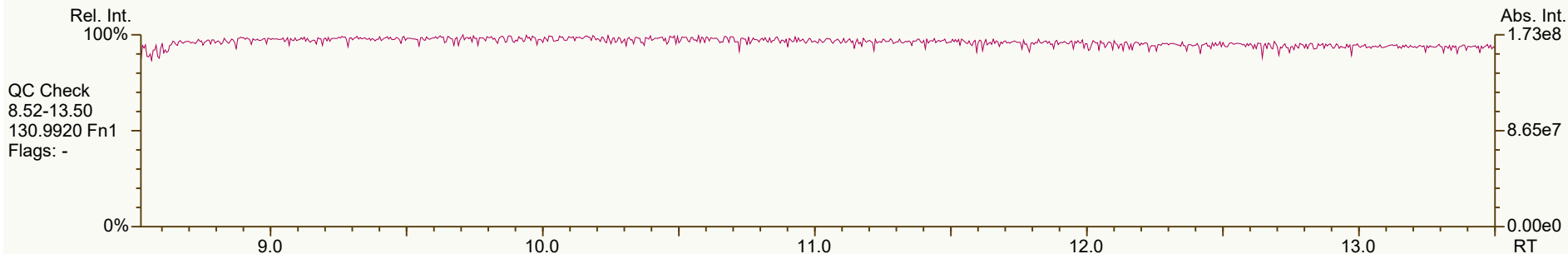
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.04E+08	-	1.35	1.46	8.6%
13C6-2-Methylnaphthalene	12.26	7.38E+07	-	0.99	1.04	5.0%
13C6-Acenaphthylene	15.27	5.95E+07	-	1.37	1.45	6.4%
13C6-Acenaphthene	15.84	3.88E+07	-	0.91	0.95	4.4%
13C6-Fluorene	17.45	4.65E+07	-	1.09	1.14	4.0%
13C6-Phenanthrene	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



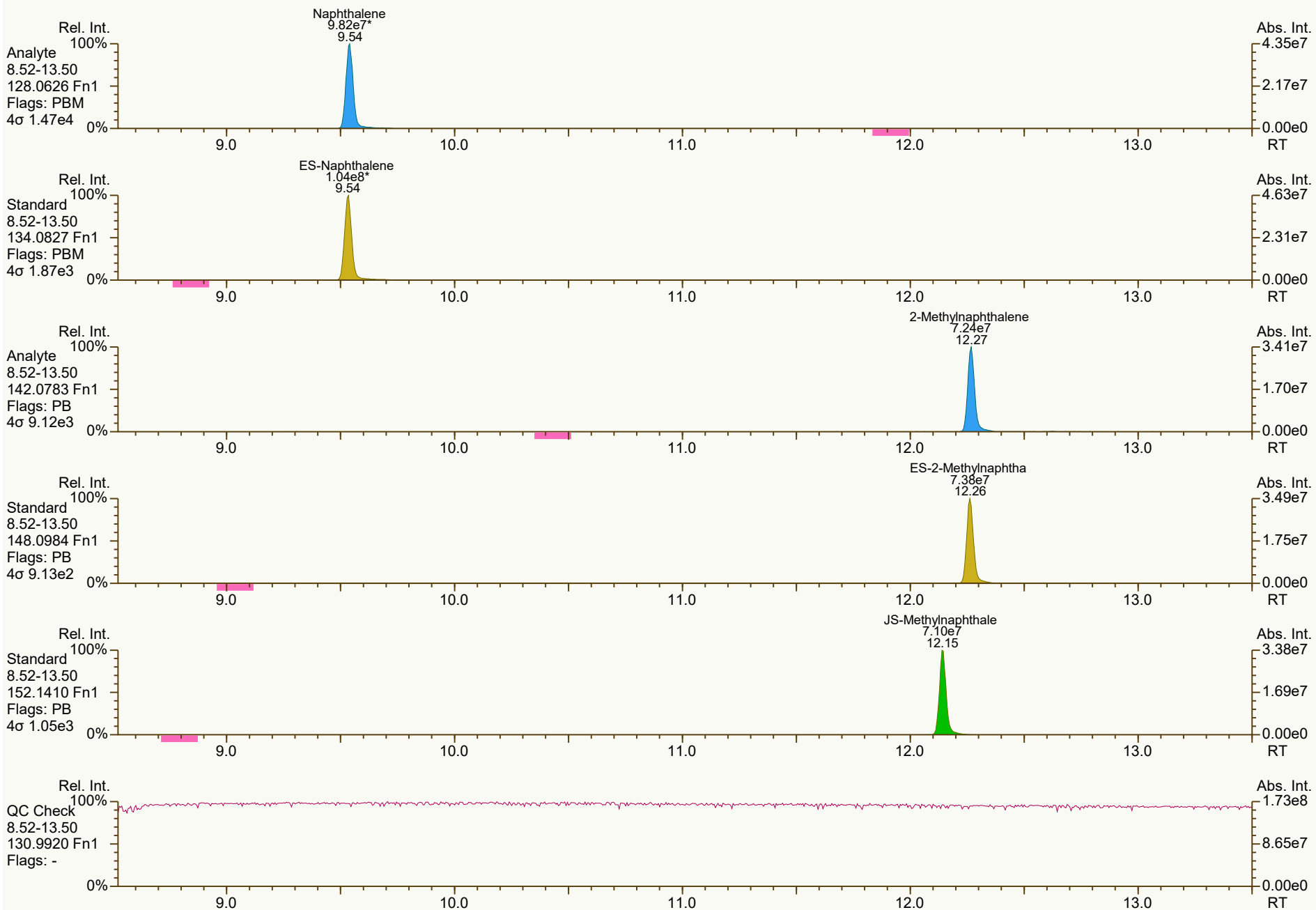
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 973-923

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



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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



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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
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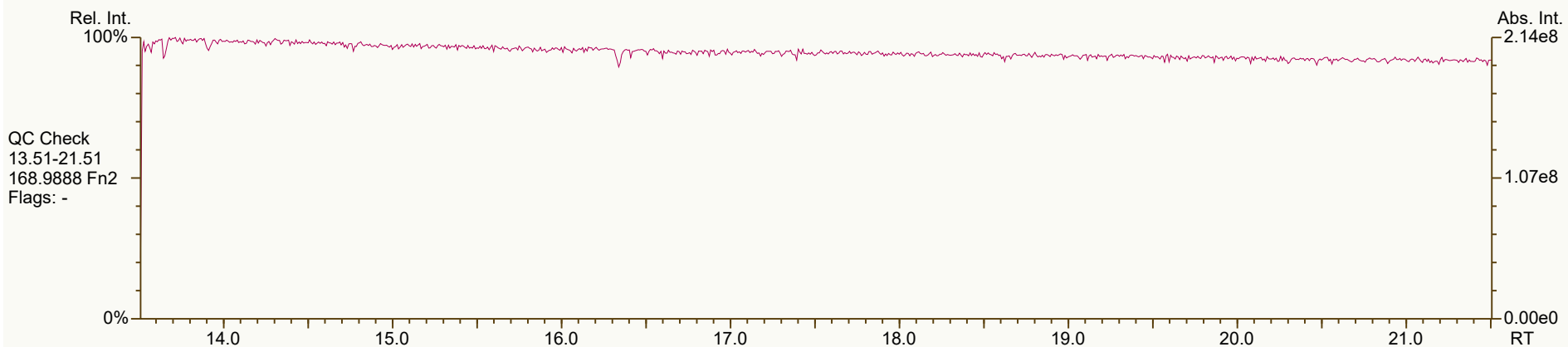
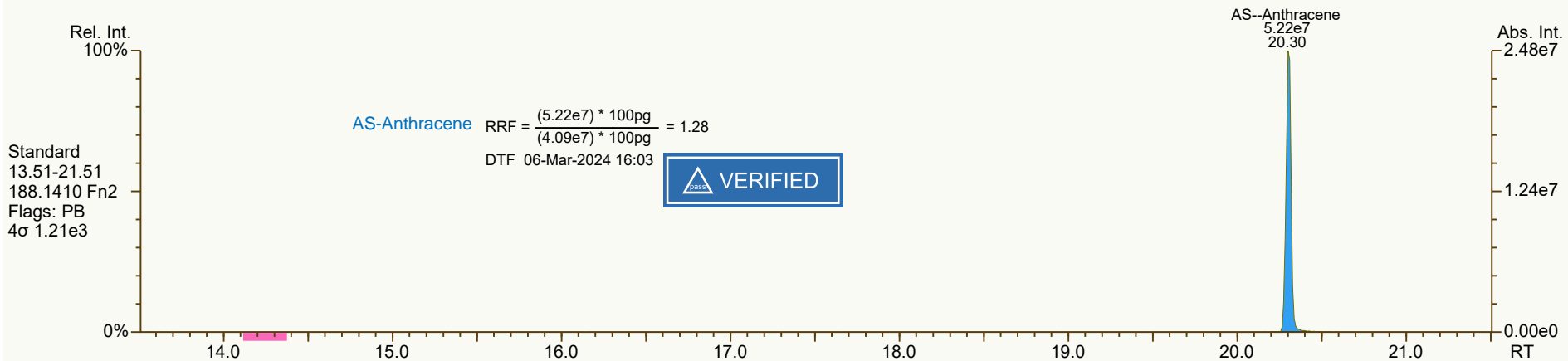
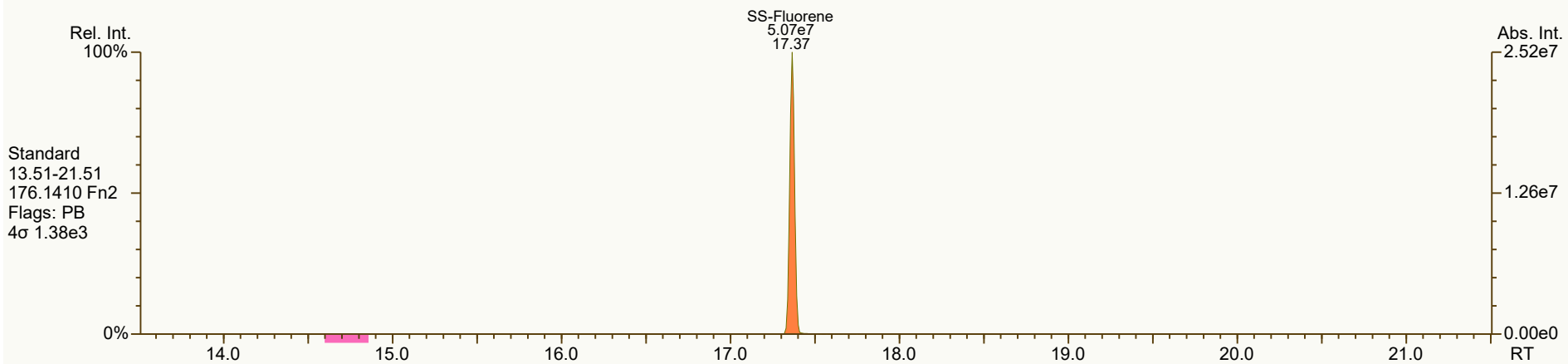
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 4 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

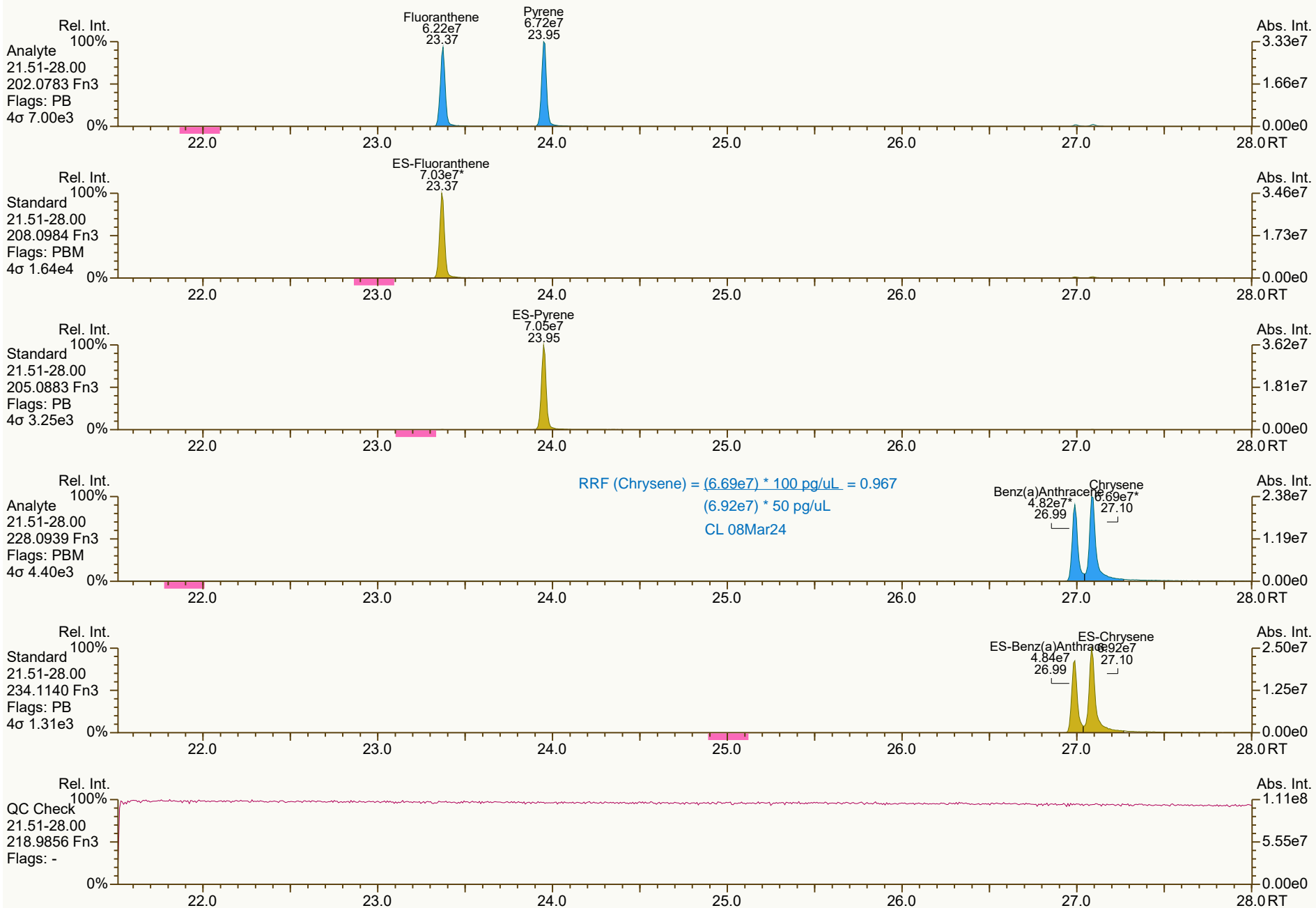
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SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

Acq: 05-Mar-2024 18:23:53
User: DTF Datafile: 240305V08



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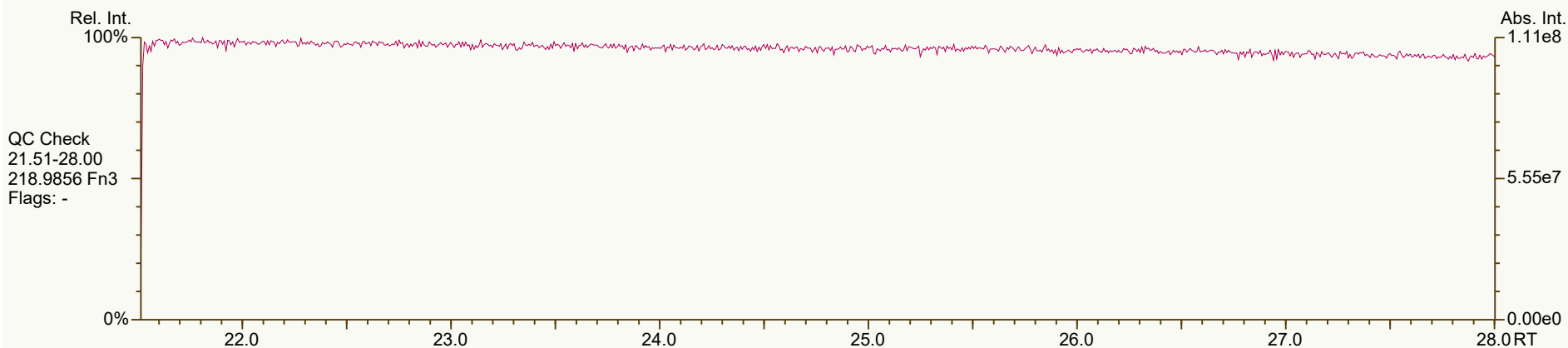
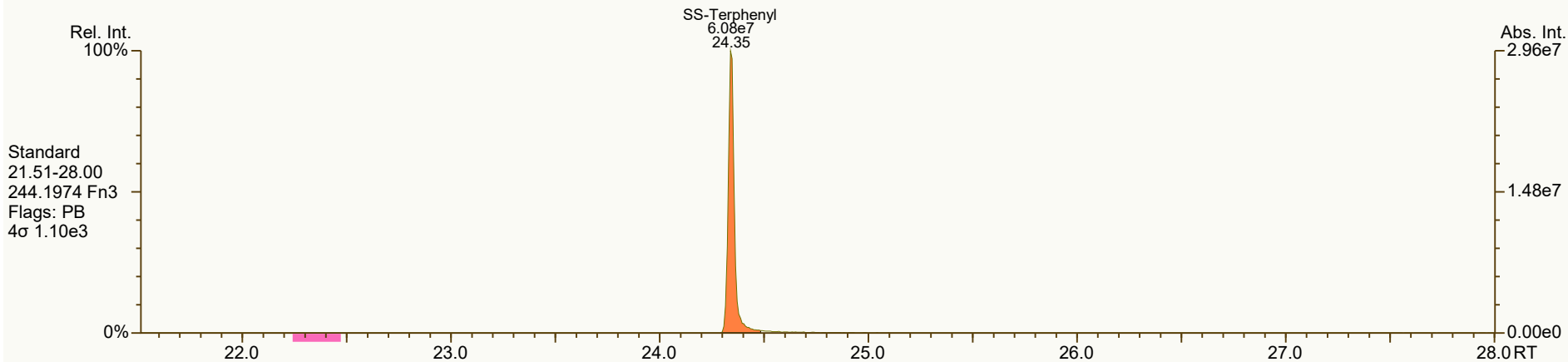
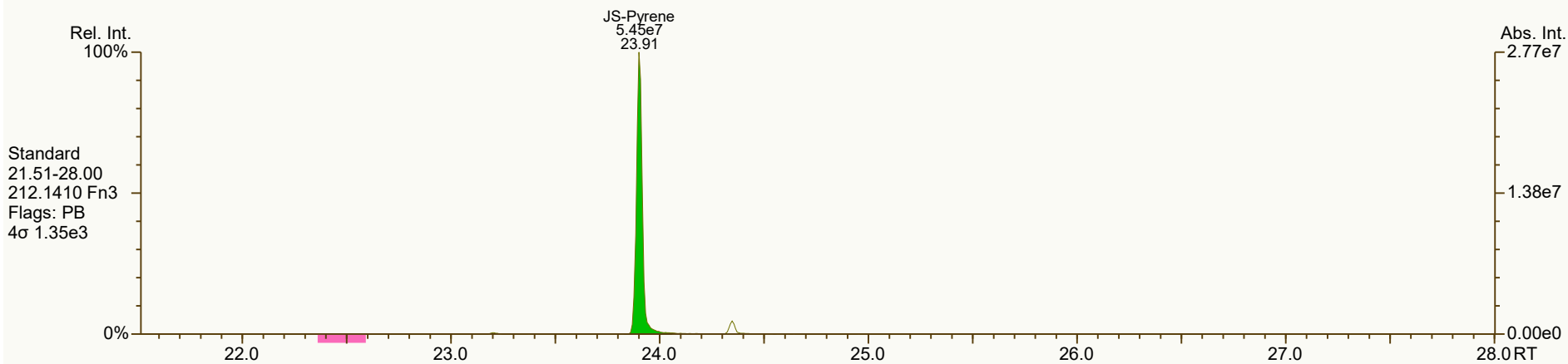
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 6 of 9

SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

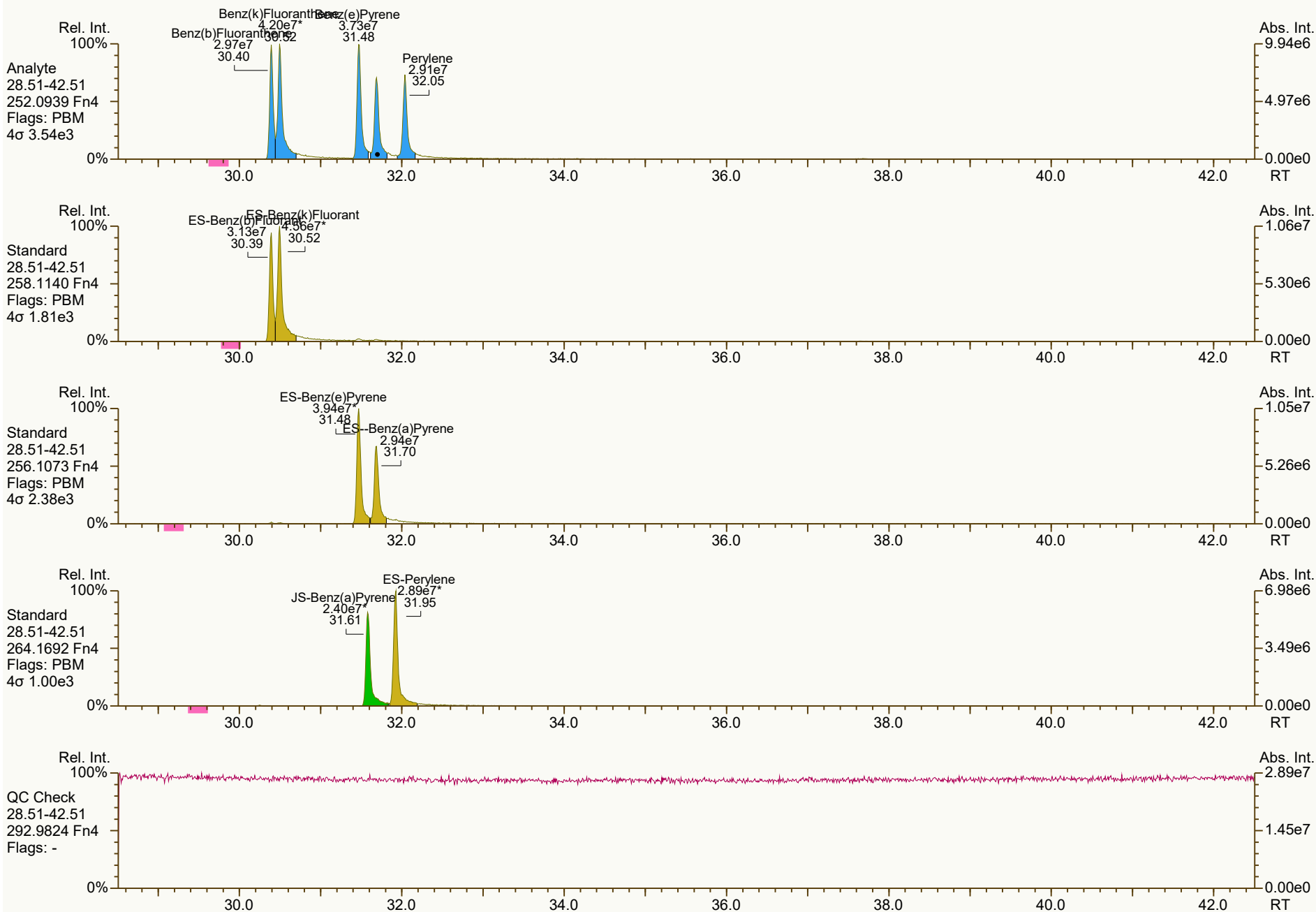
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SGS ID: CS3_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-3
VSIR EI+ Expt: pah GC: pah Vial: 11

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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

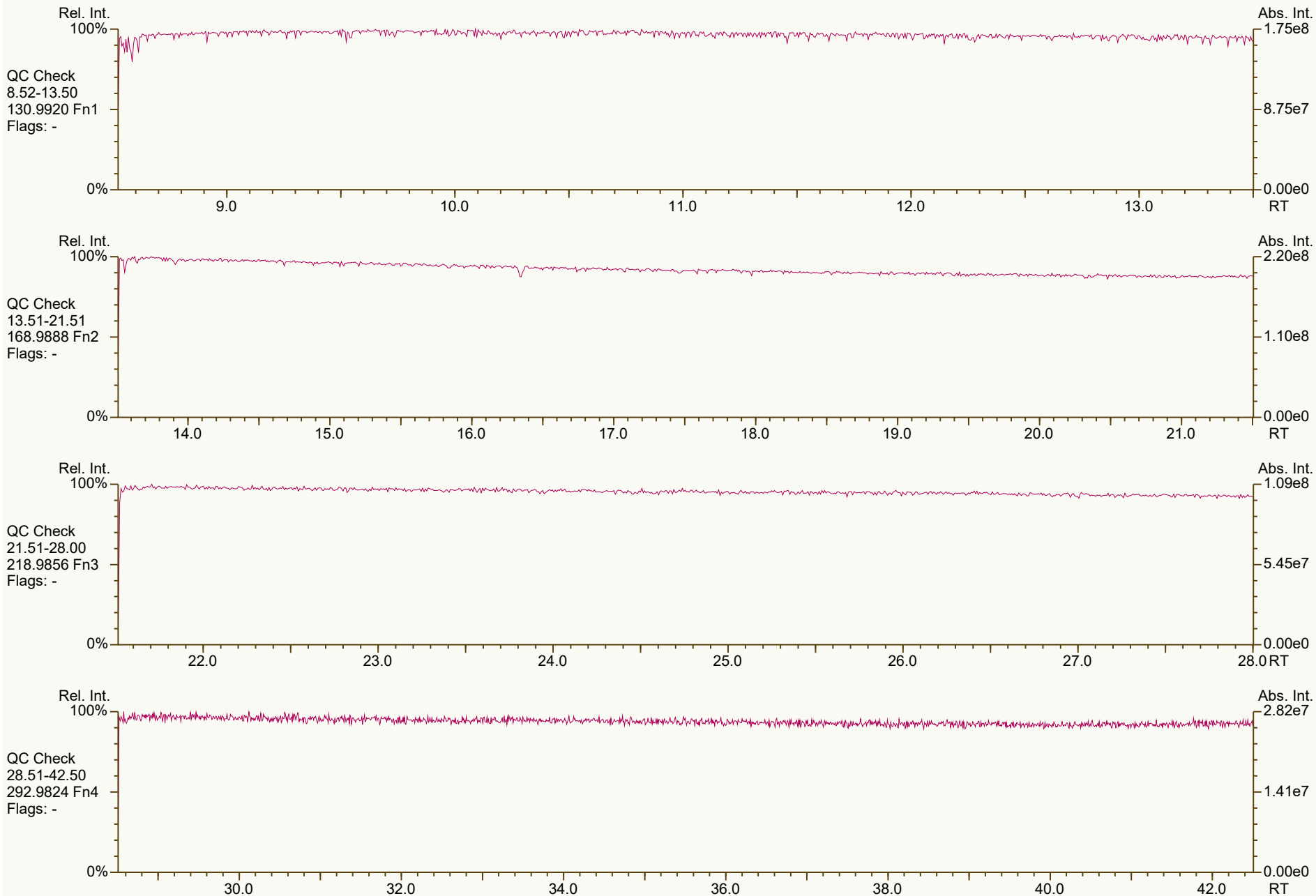
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.08E+08	-	1.35	1.30	-3.6%
13C6-2-Methylnaphthalene	12.27	8.26E+07	-	0.99	1.00	0.8%
13C6-Acenaphthylene	15.27	6.83E+07	-	1.37	1.38	1.0%
13C6-Acenaphthene	15.84	4.54E+07	-	0.91	0.92	0.9%
13C6-Fluorene	17.45	5.33E+07	-	1.09	1.08	-1.5%
13C6-Phenanthrene	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



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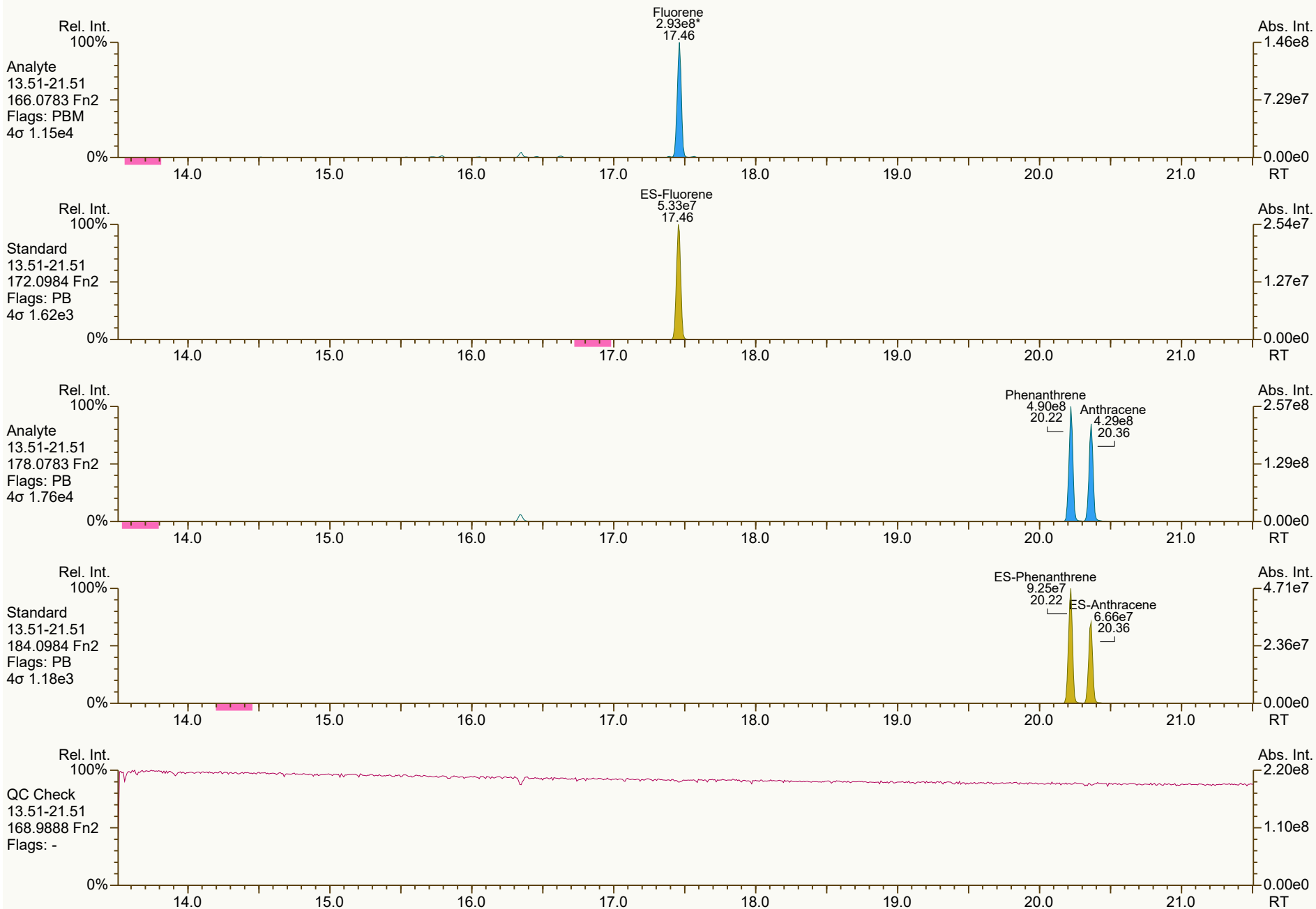
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 3 of 9

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)

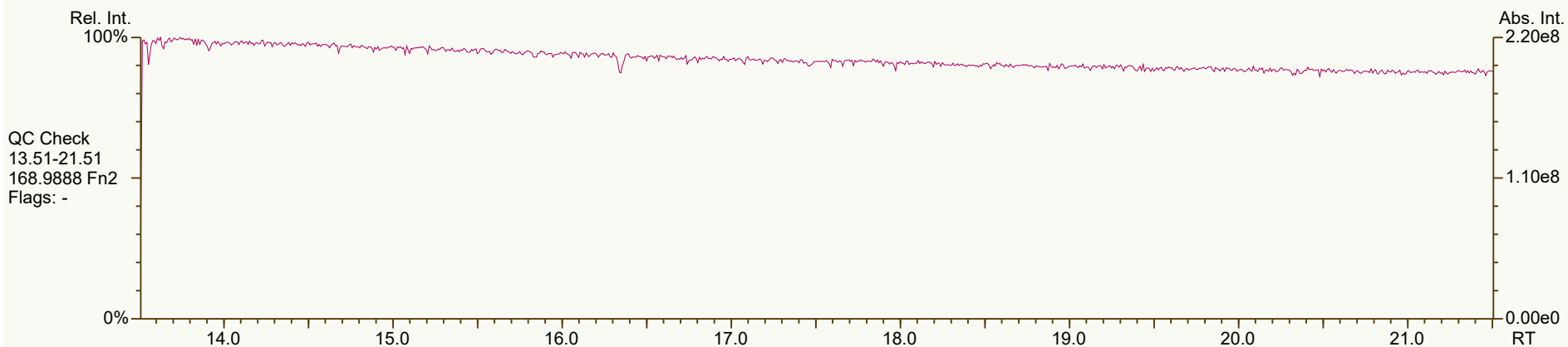
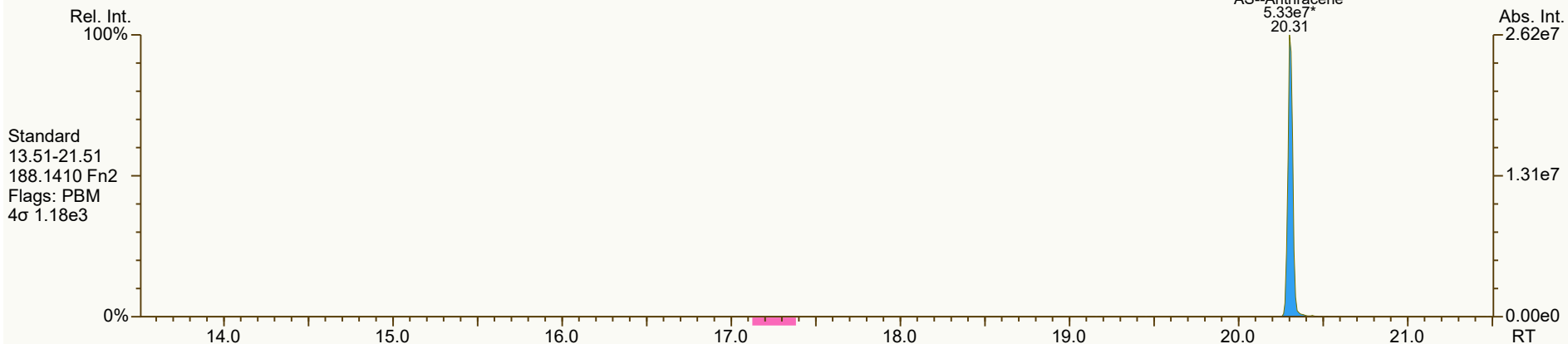
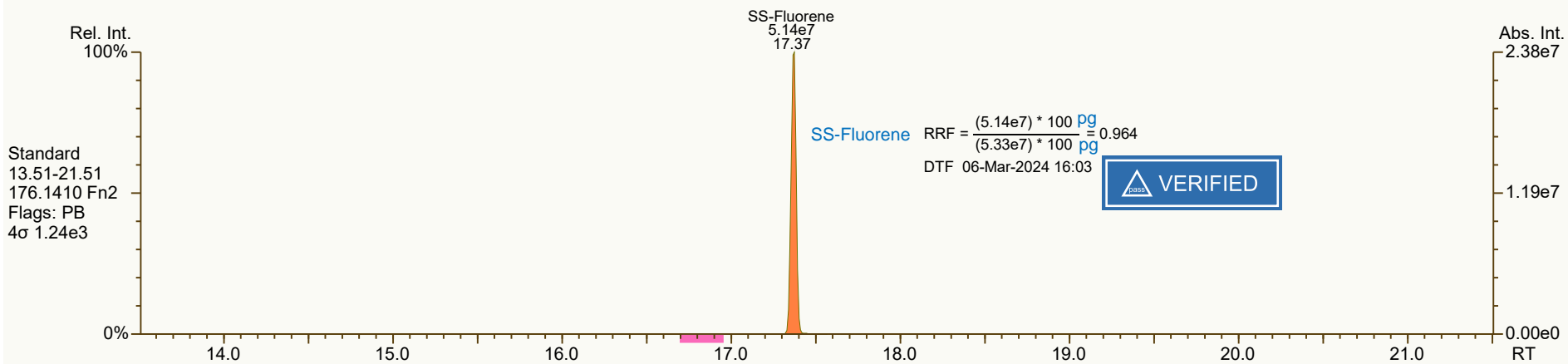
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 4 of 9

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)

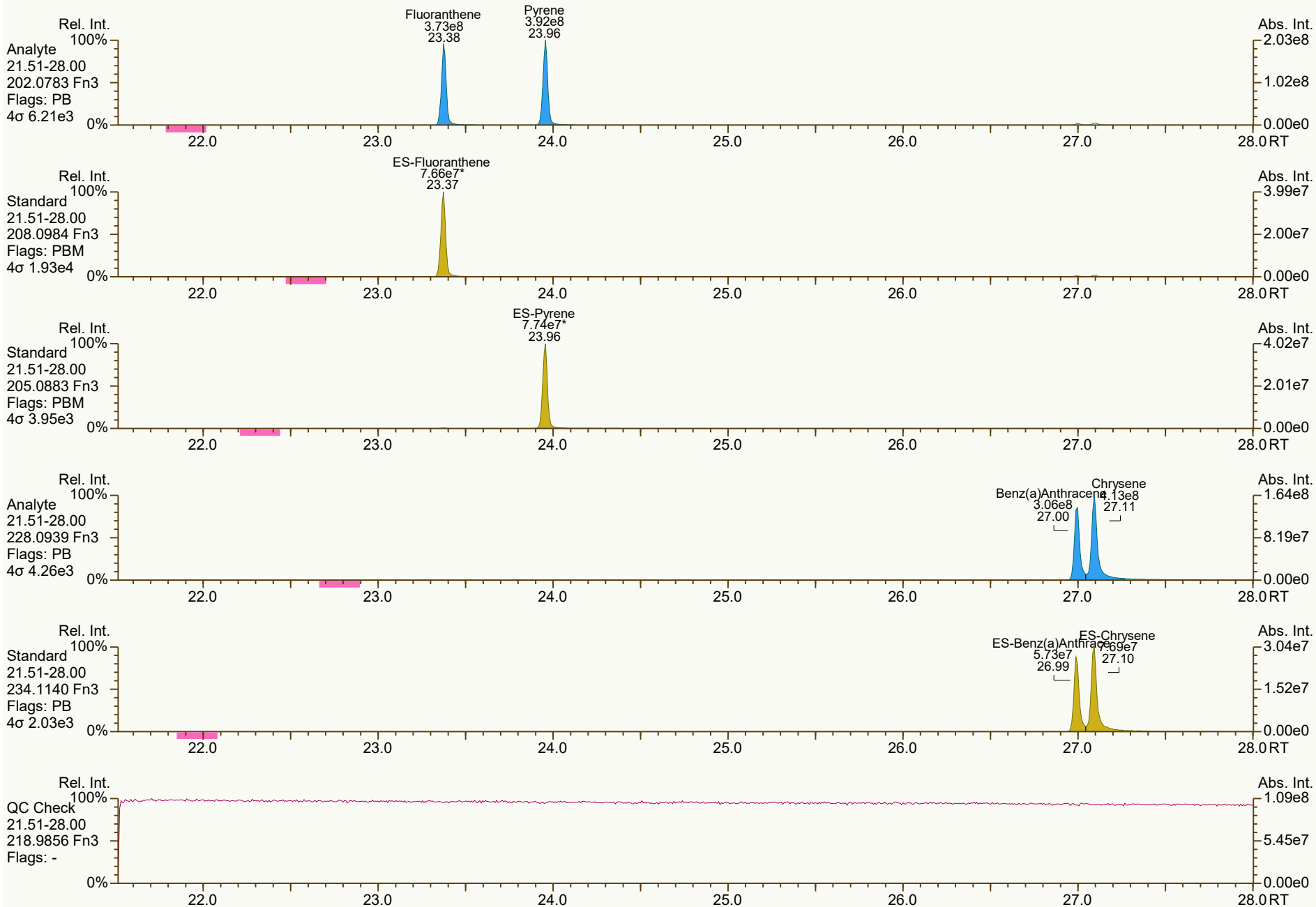
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:42 (DTF) Printed: 06-Mar-2024 16:08 Page 5 of 9

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)

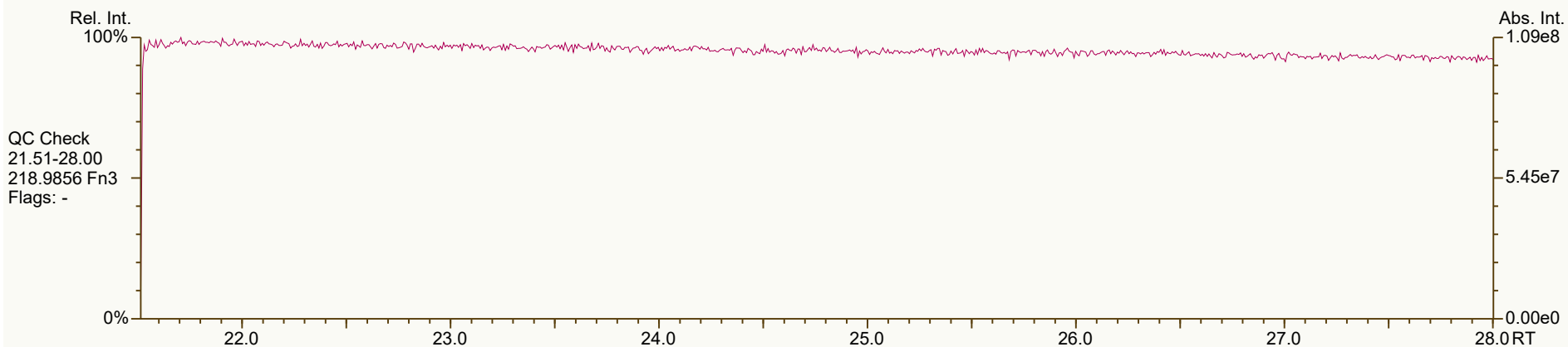
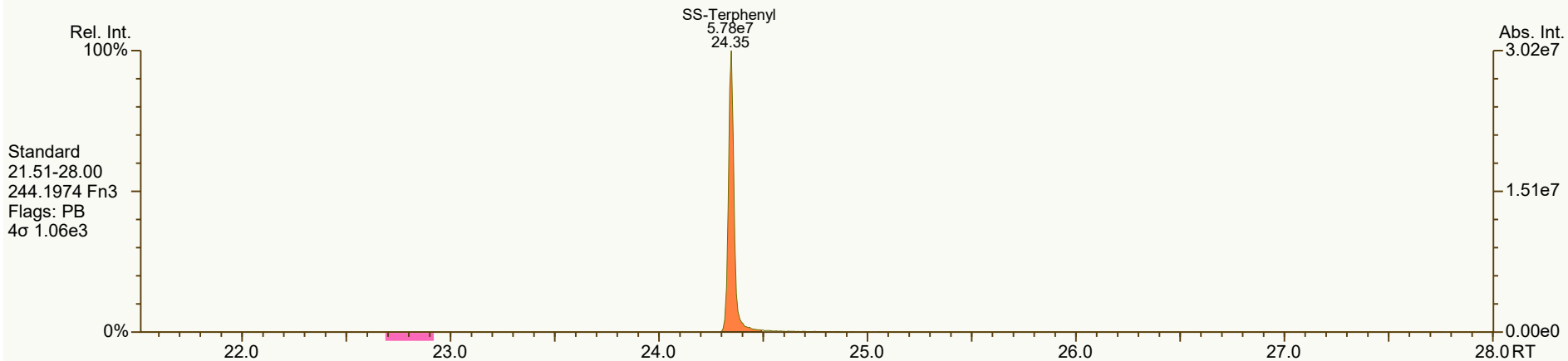
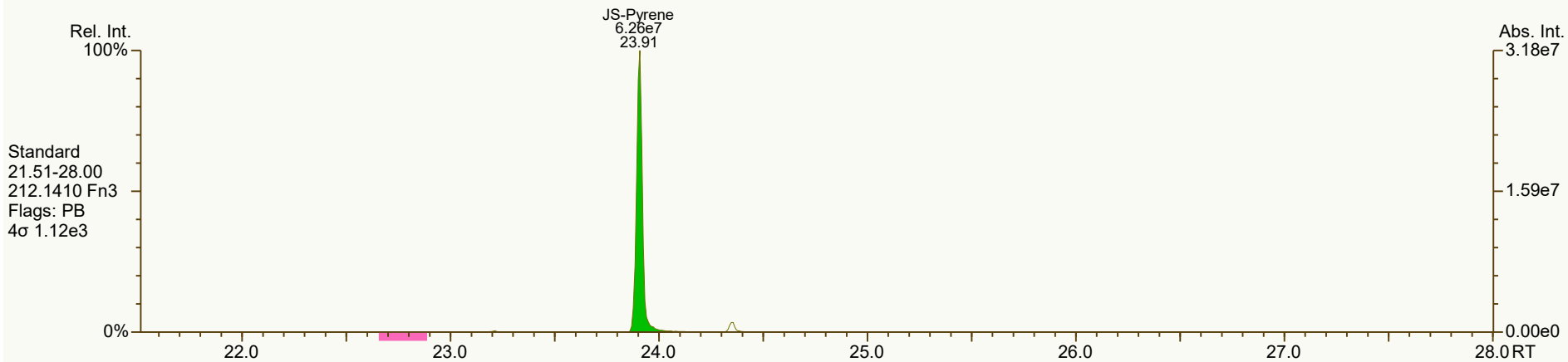
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:41 (DTF) Printed: 06-Mar-2024 16:08 Page 6 of 9

SGS ID: CS4_240305_PAH_VA
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: 27-80-2
VSIR EI+ Expt: pah GC: pah Vial: 12

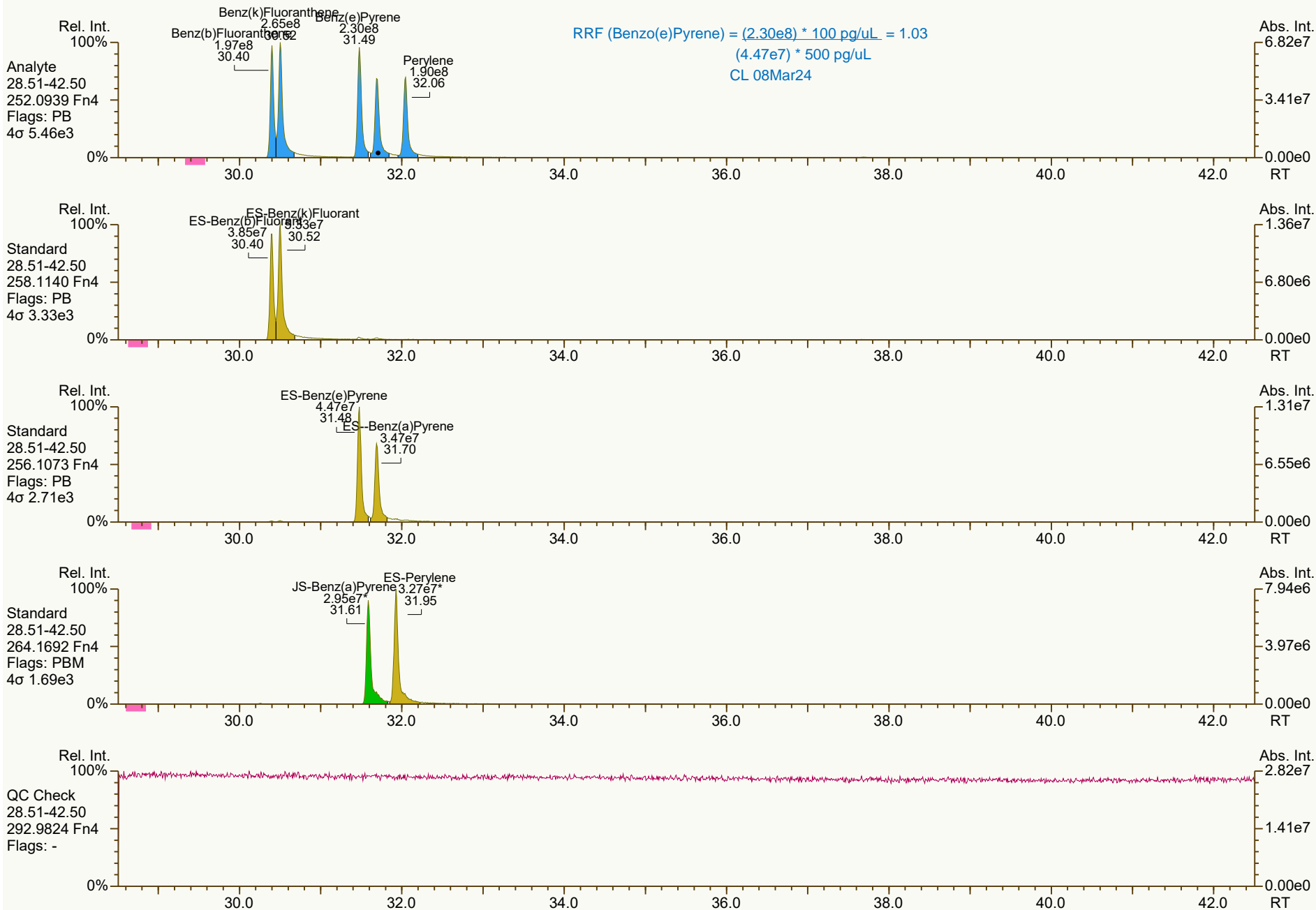
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User: DTF Datafile: 240305V09



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)

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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)

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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

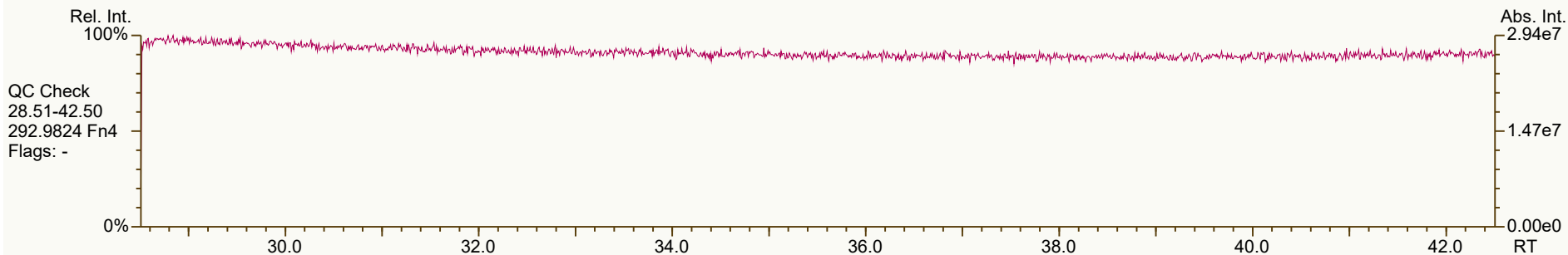
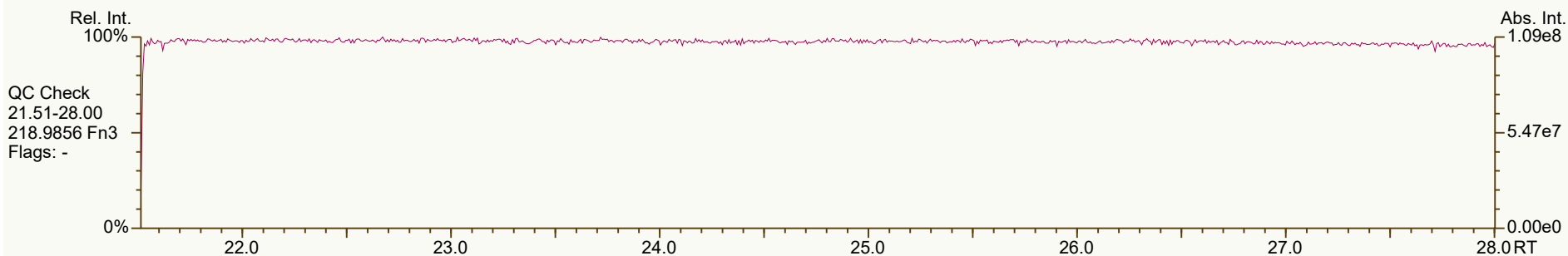
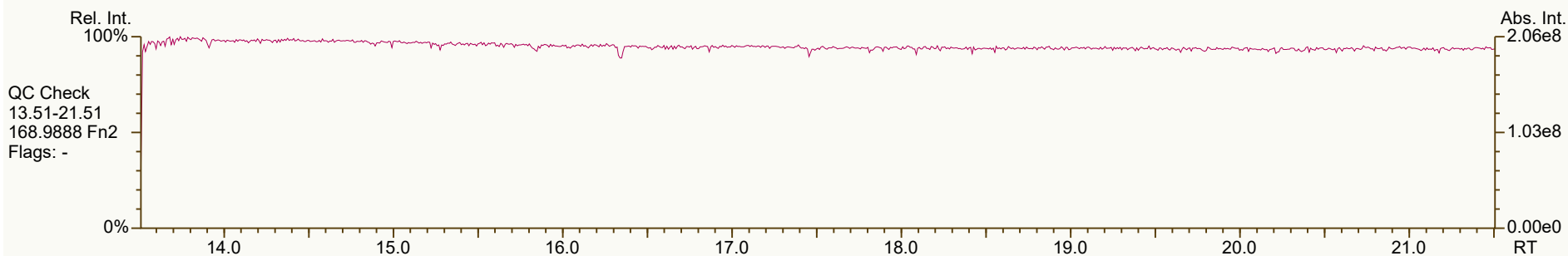
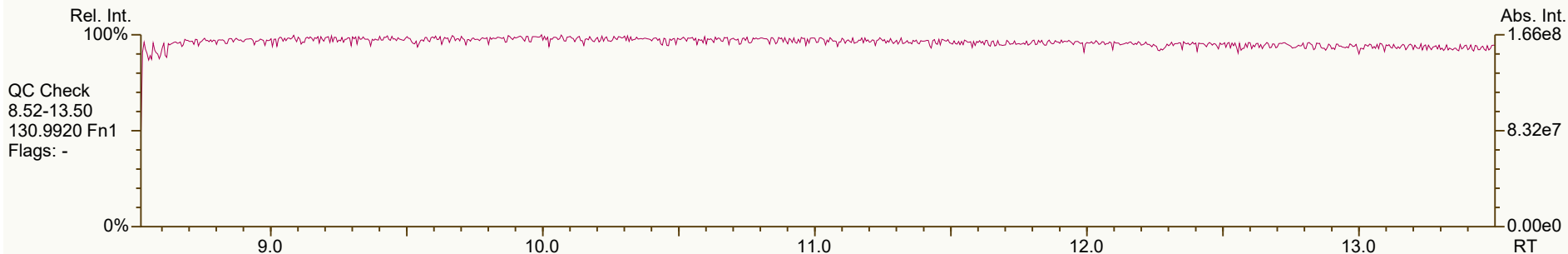
Name	RT	Response	RA	ICAL	RRF	Dev'n
13C6-Naphthalene	9.53	1.15E+08	-	1.35	1.29	-3.9%
13C6-2-Methylnaphthalene	12.26	8.81E+07	-	0.99	0.99	-0.2%
13C6-Acenaphthylene	15.27	7.41E+07	-	1.37	1.37	0.1%
13C6-Acenaphthene	15.84	5.00E+07	-	0.91	0.92	1.4%
13C6-Fluorene	17.45	5.99E+07	-	1.09	1.10	1.1%
13C6-Phenanthrene	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



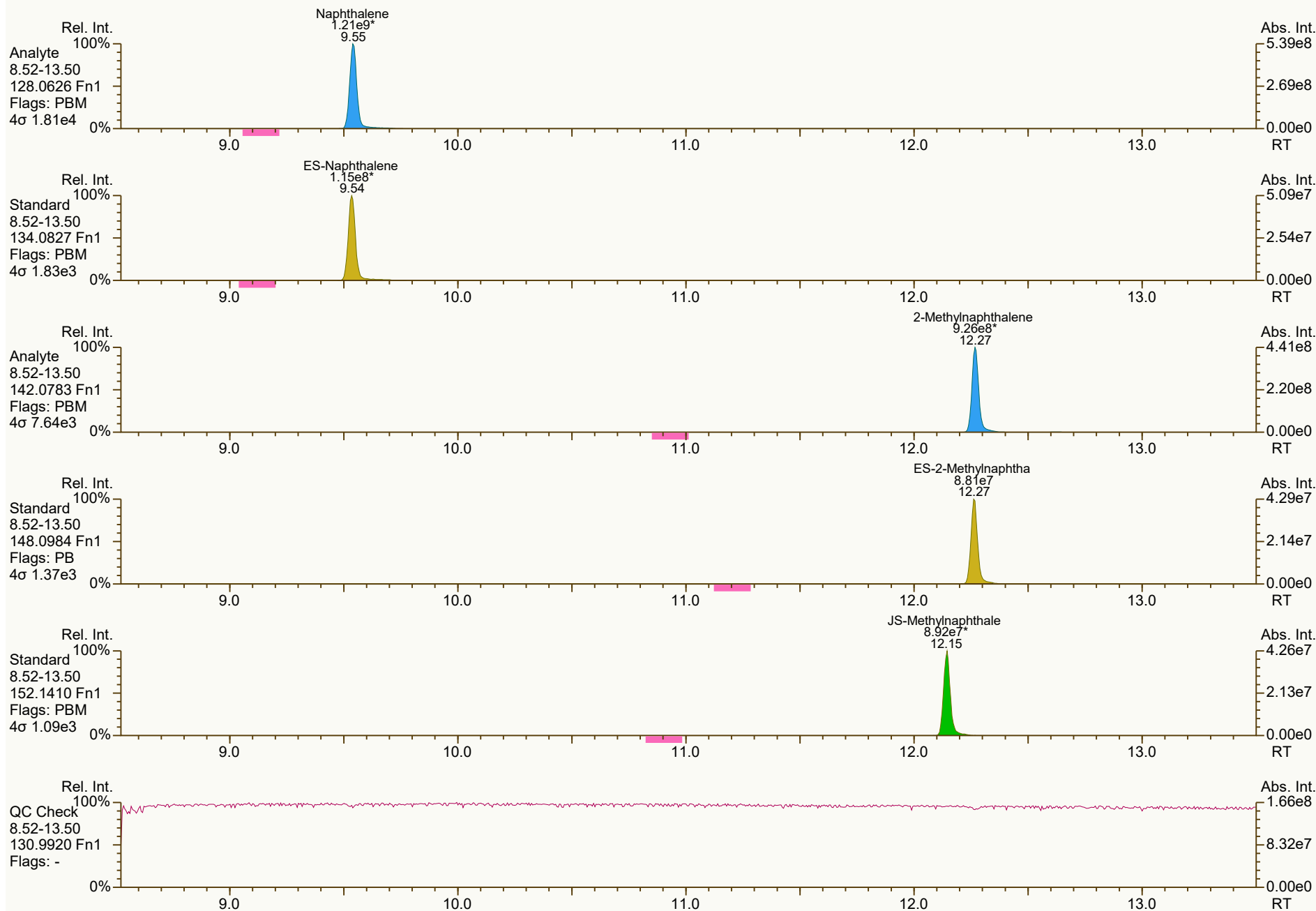
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 225-555

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
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Results: T:\UltraTracePro\ICAL_results\MM6\MM6_PAH_ICAL_05MAR2024\Resources\CS5_240305_PAH_VA.utp_res, saved 06-Mar-2024 16:06 (DTF)

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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



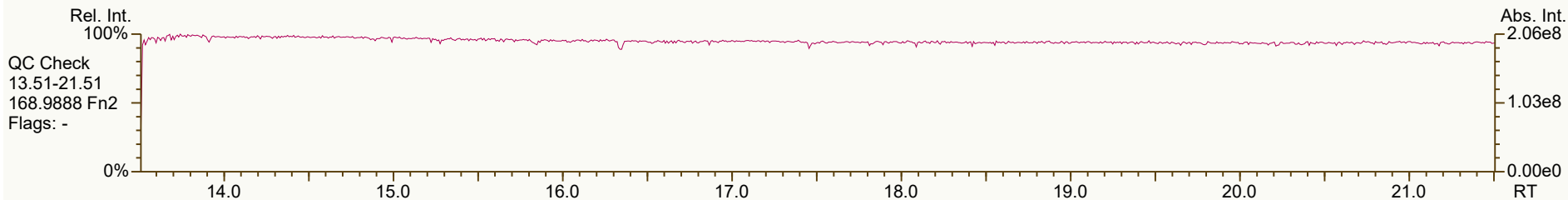
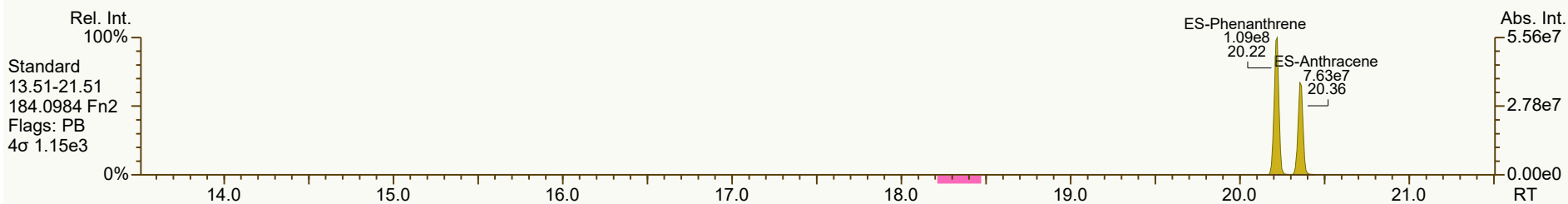
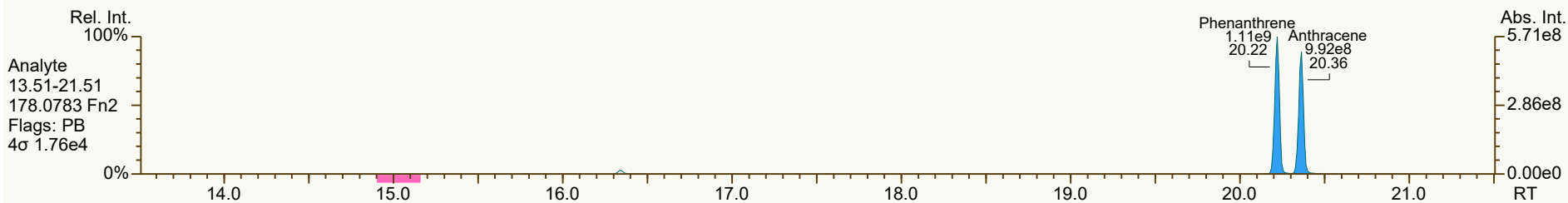
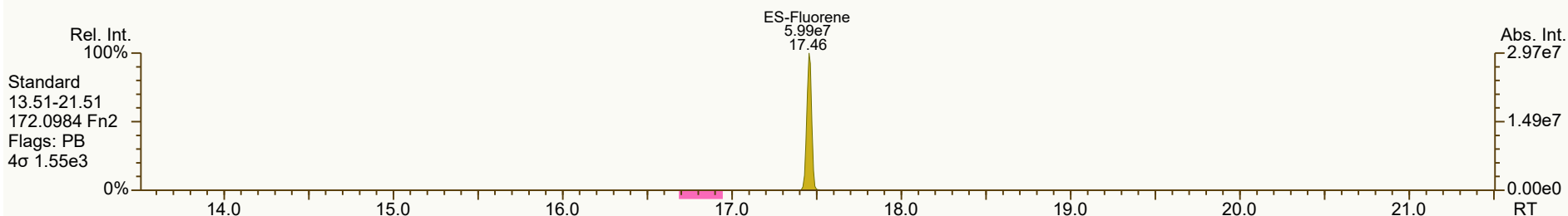
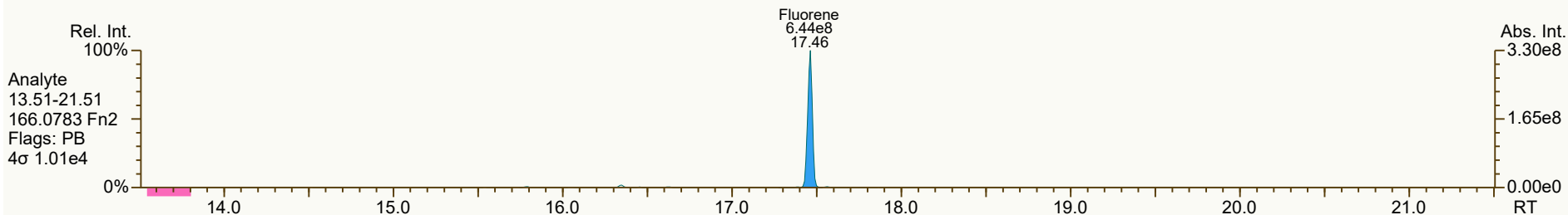
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Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:43 Printed: 06-Mar-2024 16:08 Page 3 of 9

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



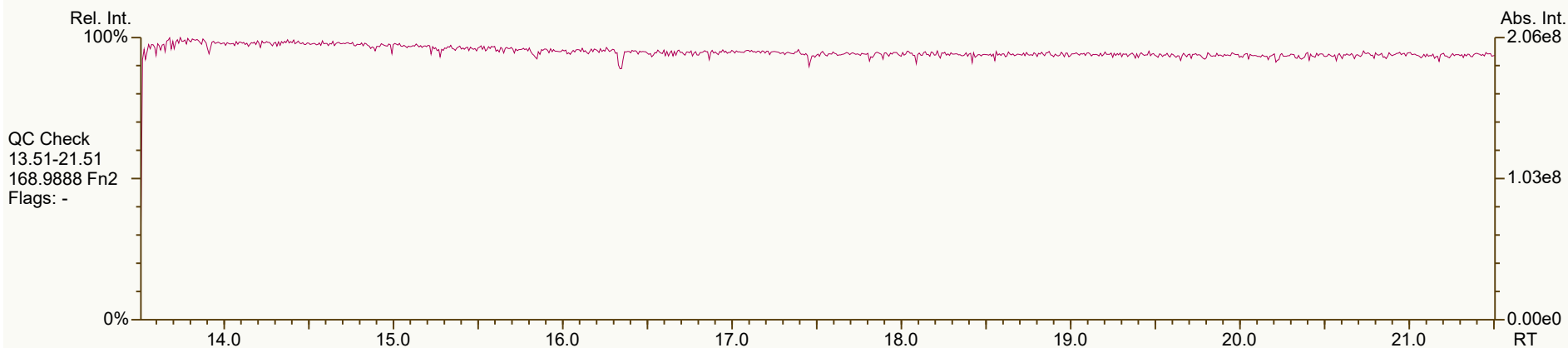
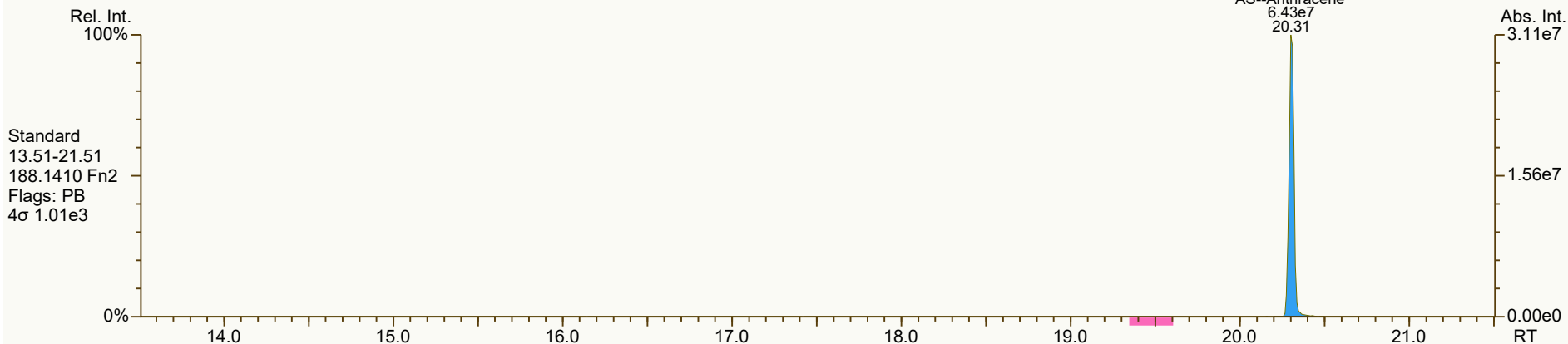
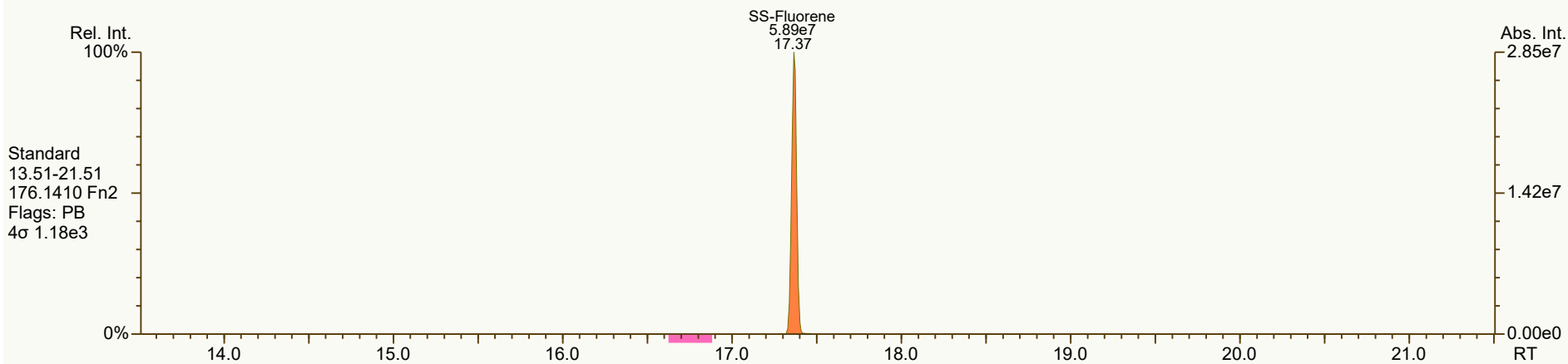
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2556, 7366, 7586, 7337 scc: 225-555

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

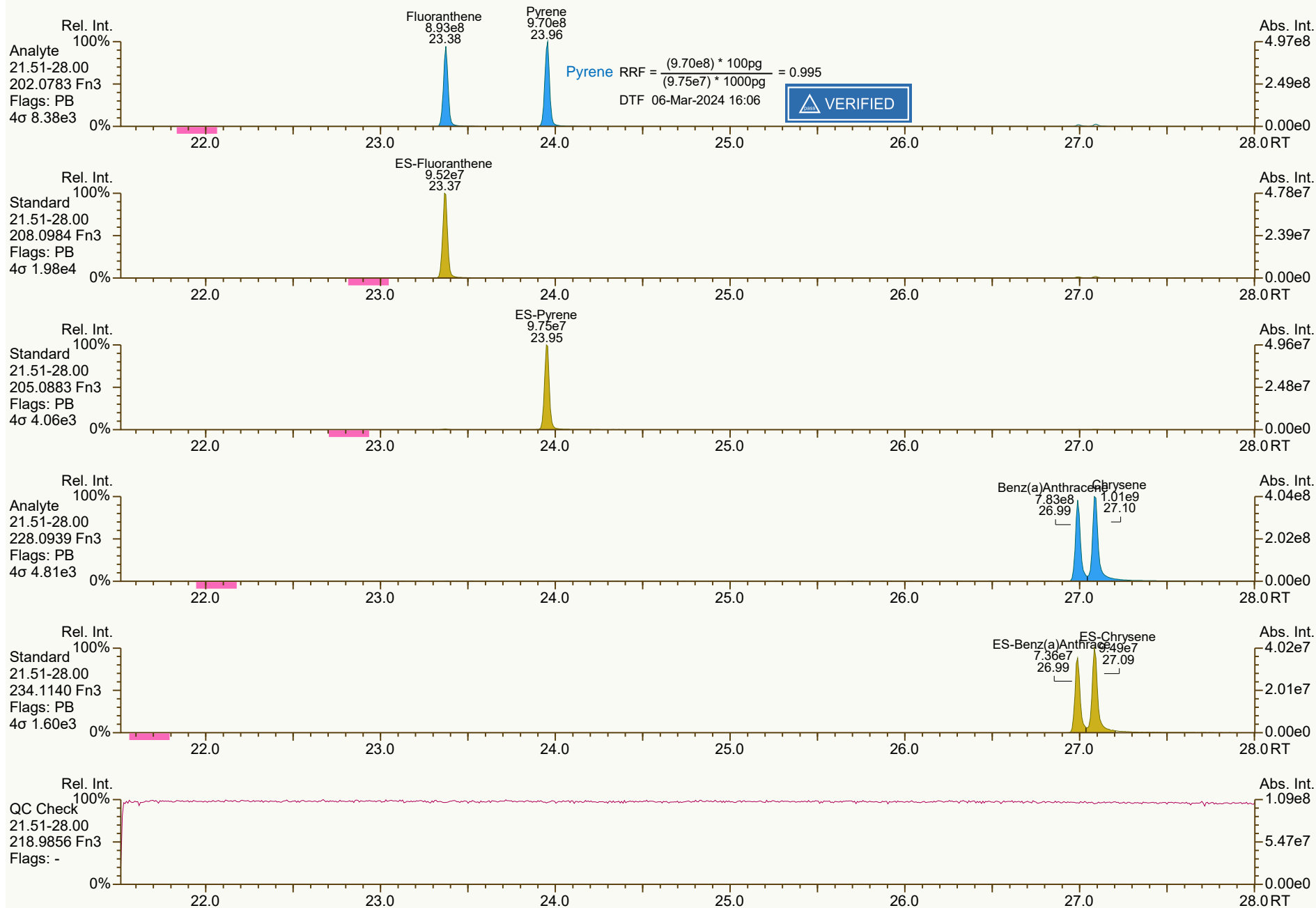
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User: DTF Datafile: 240305V10



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



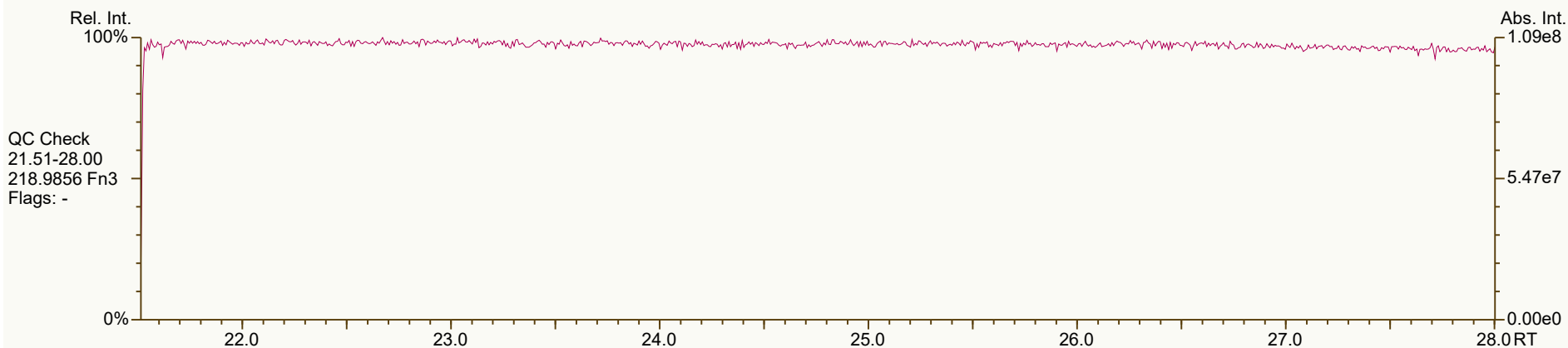
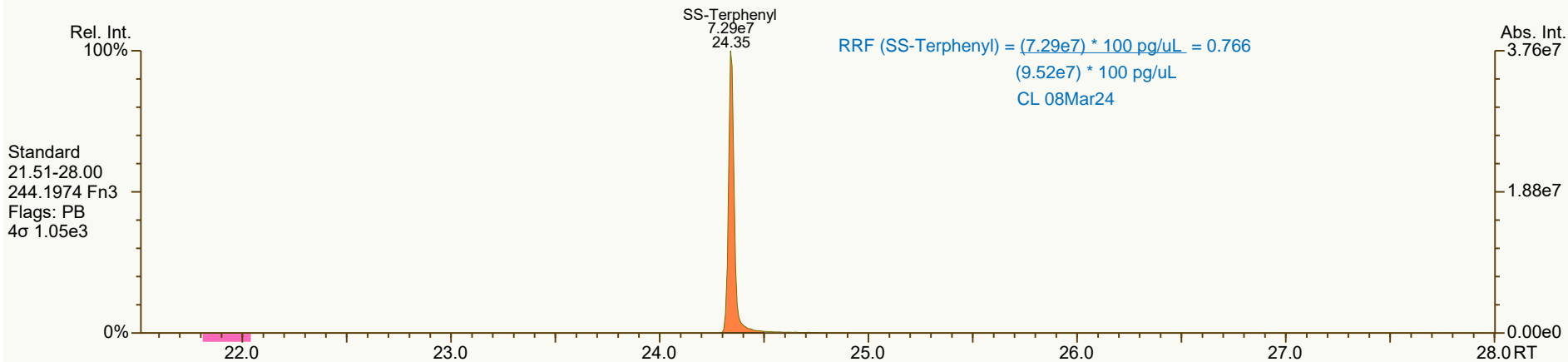
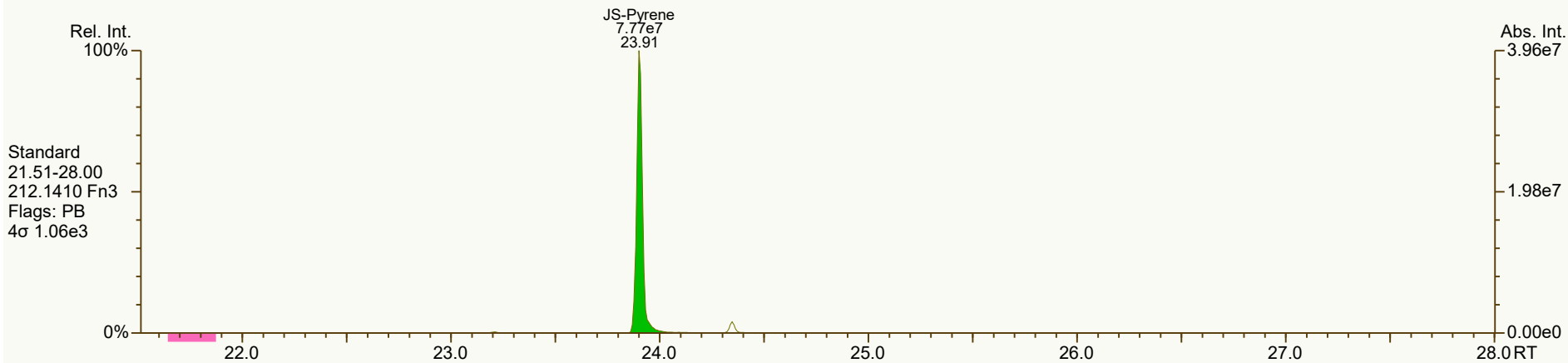
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4876, 6592, 9514, 3159, 5192 scc: 225-555

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

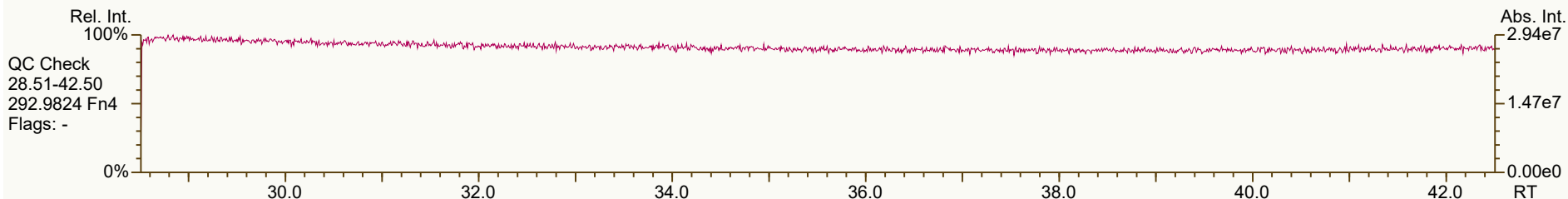
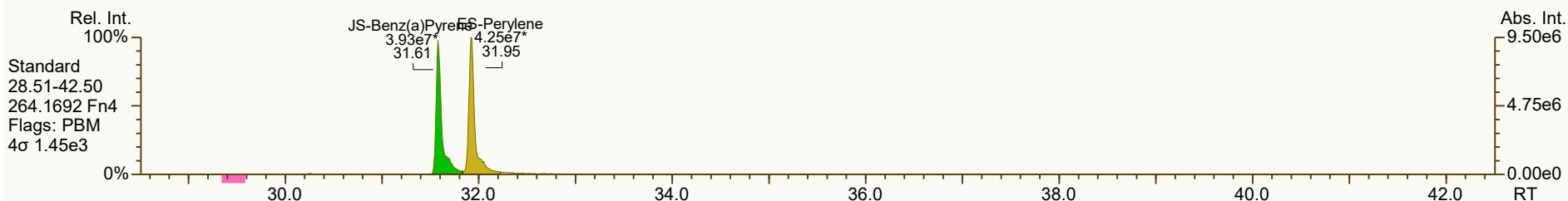
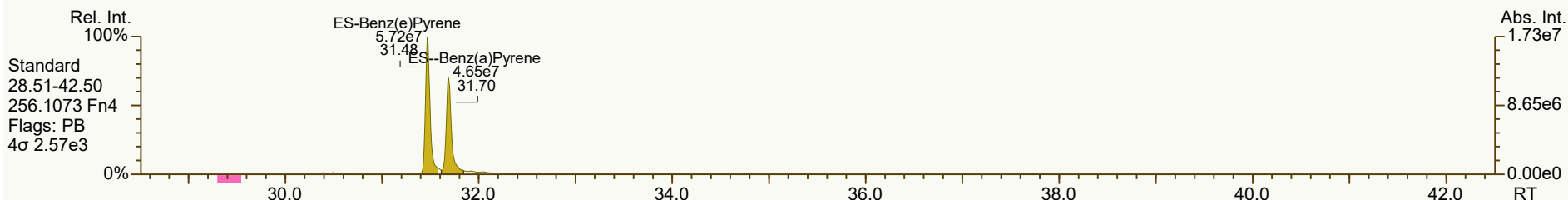
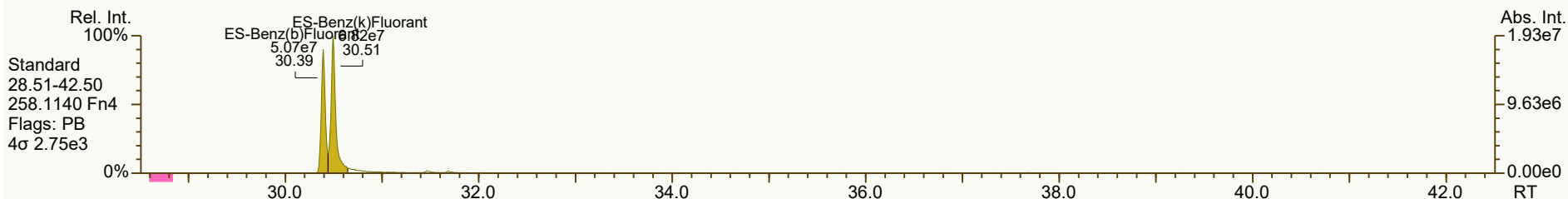
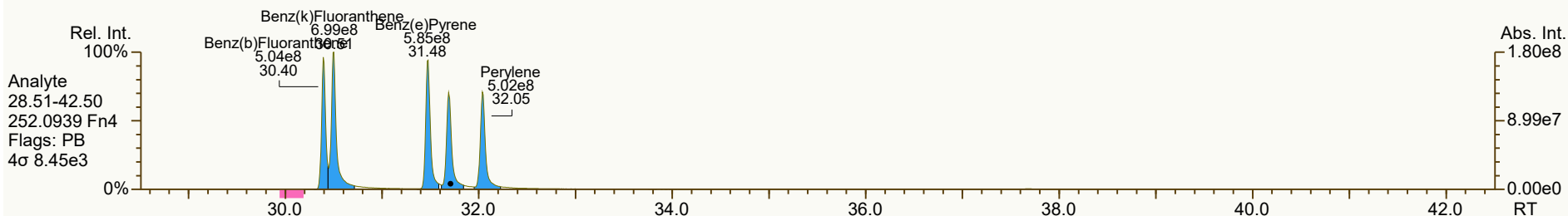
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User: DTF Datafile: 240305V10



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



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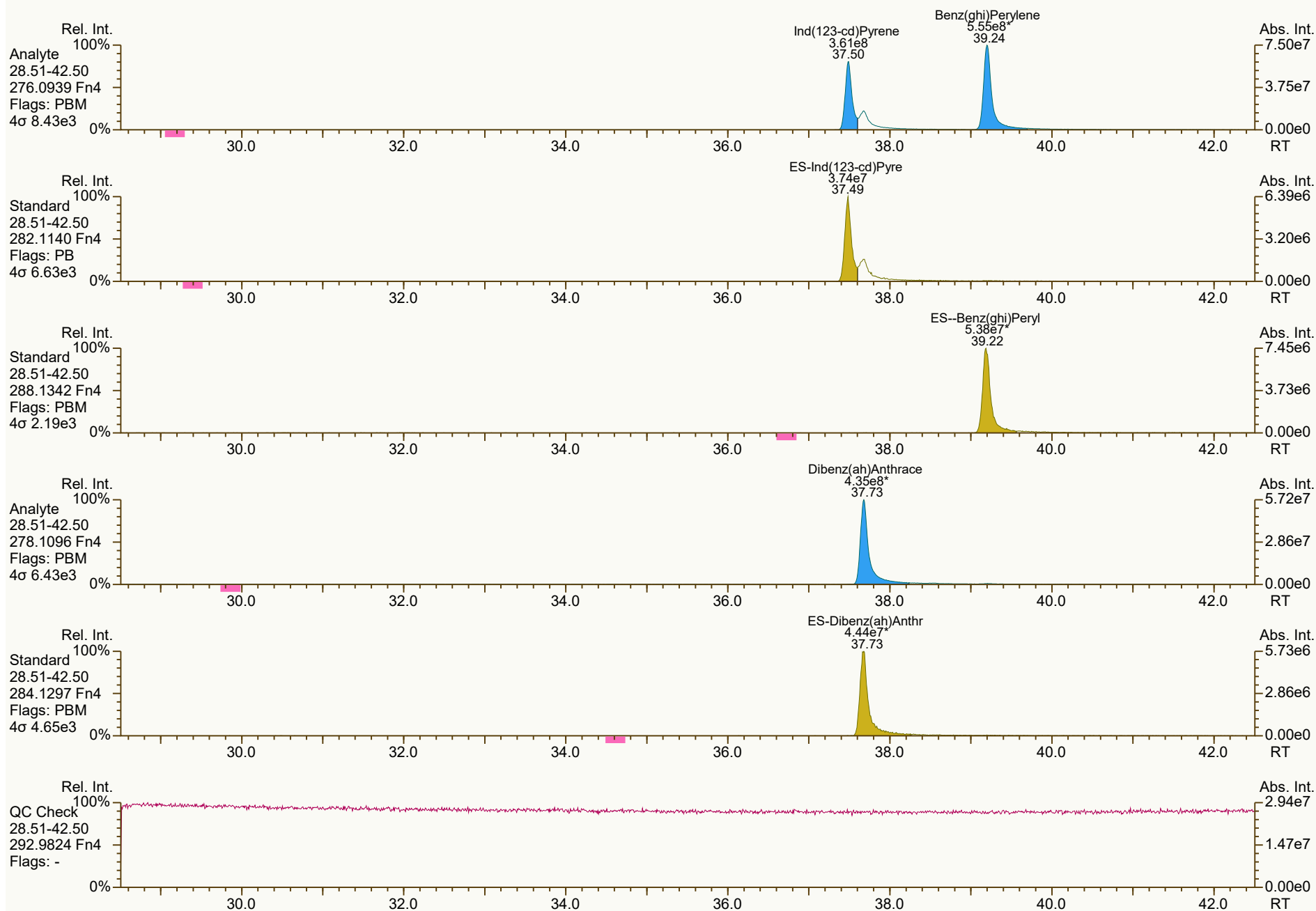
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:43 (DTF) Printed: 06-Mar-2024 16:08 Page 8 of 9

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



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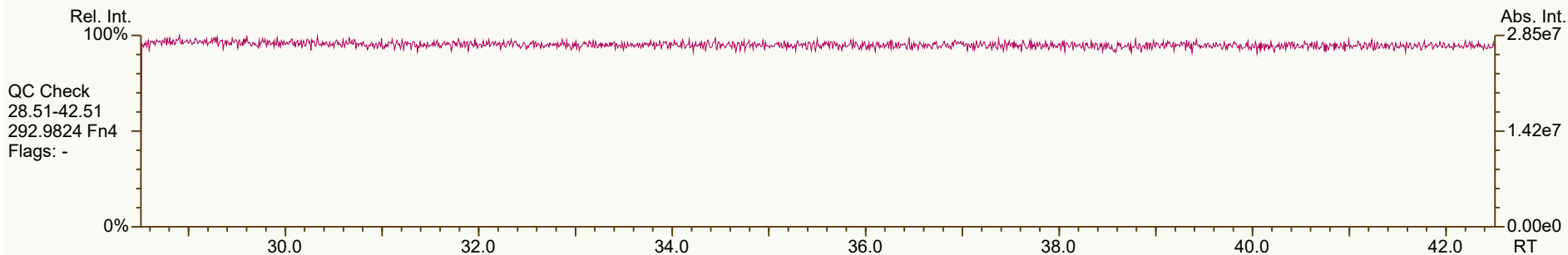
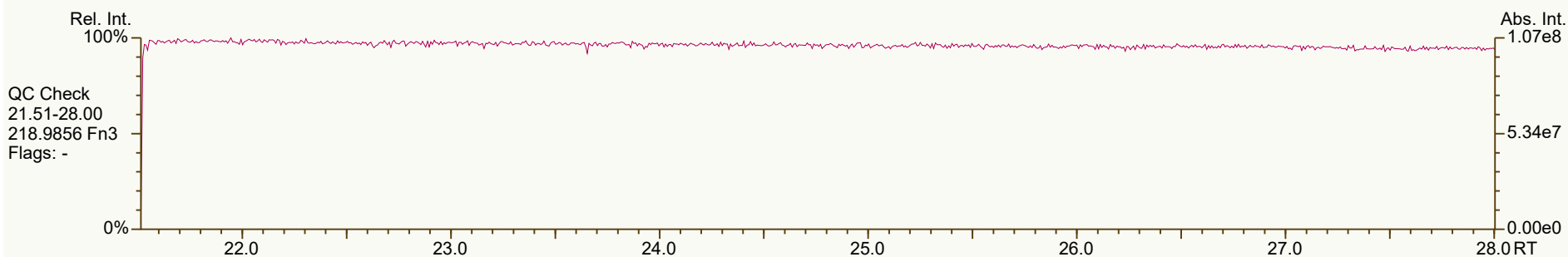
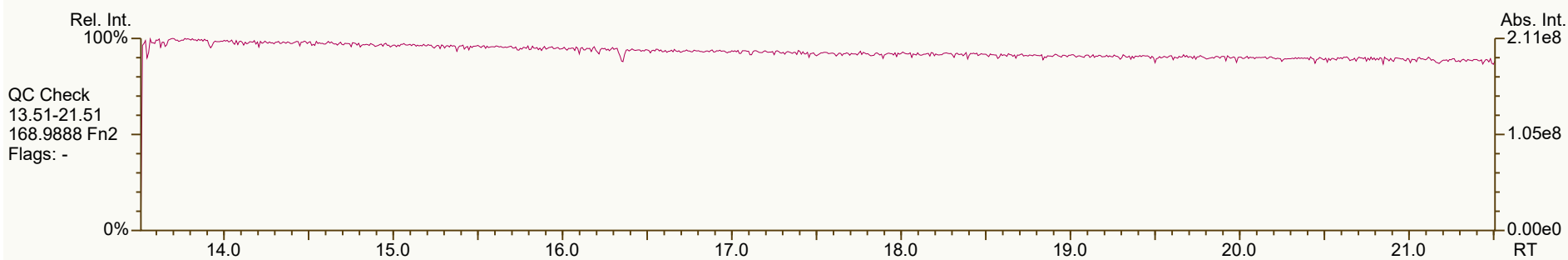
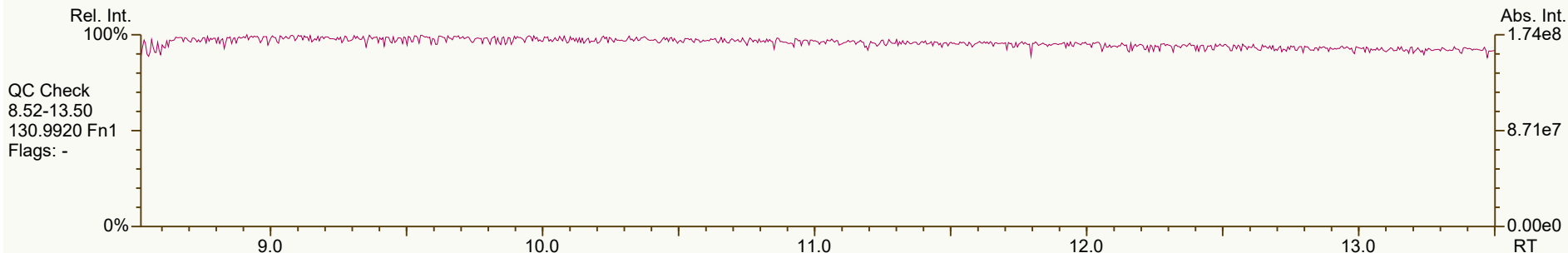
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:43 (DTF) Printed: 06-Mar-2024 16:08 Page 9 of 9

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



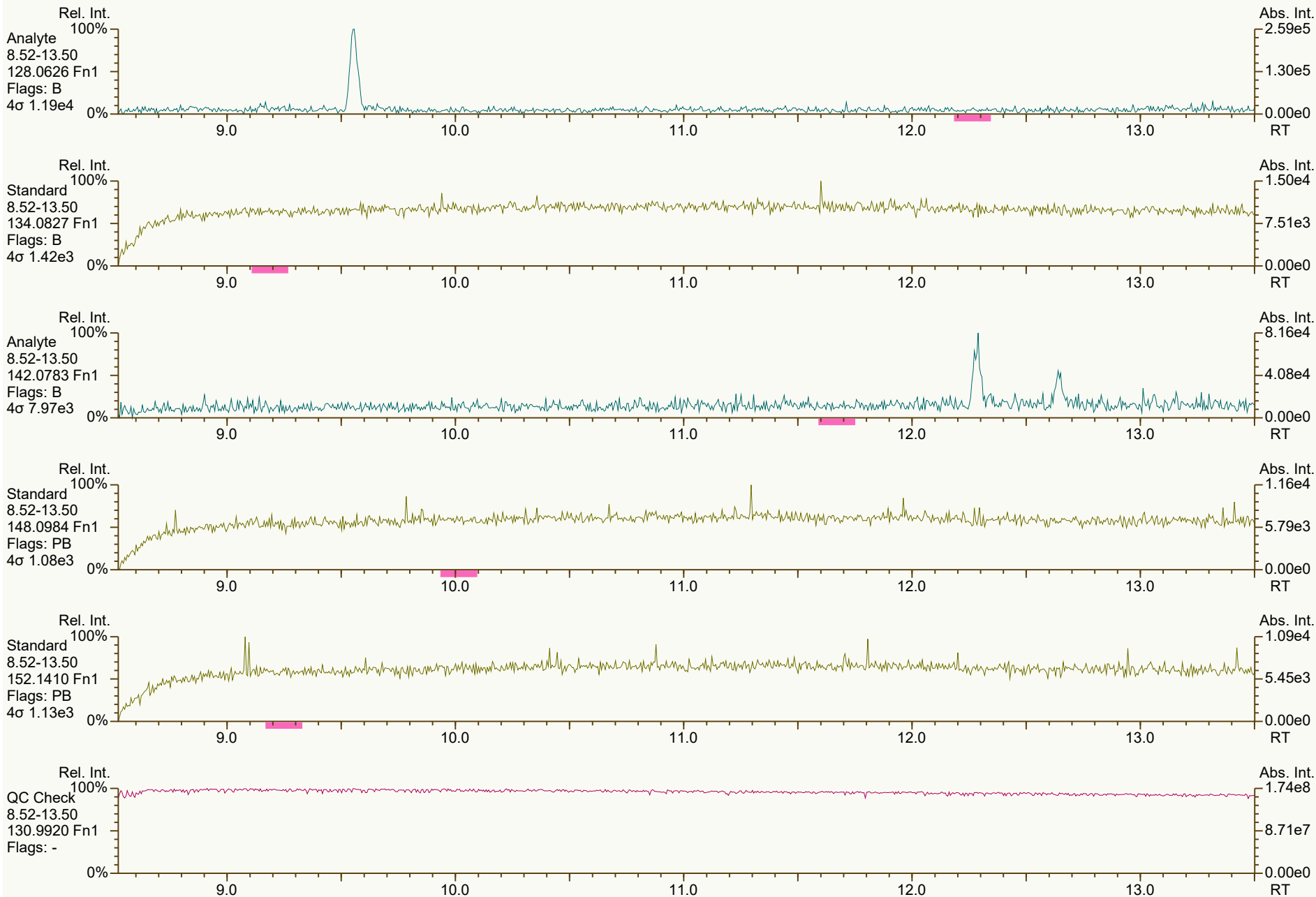
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 06-Mar-2024 16:07 Page 1 of 9

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



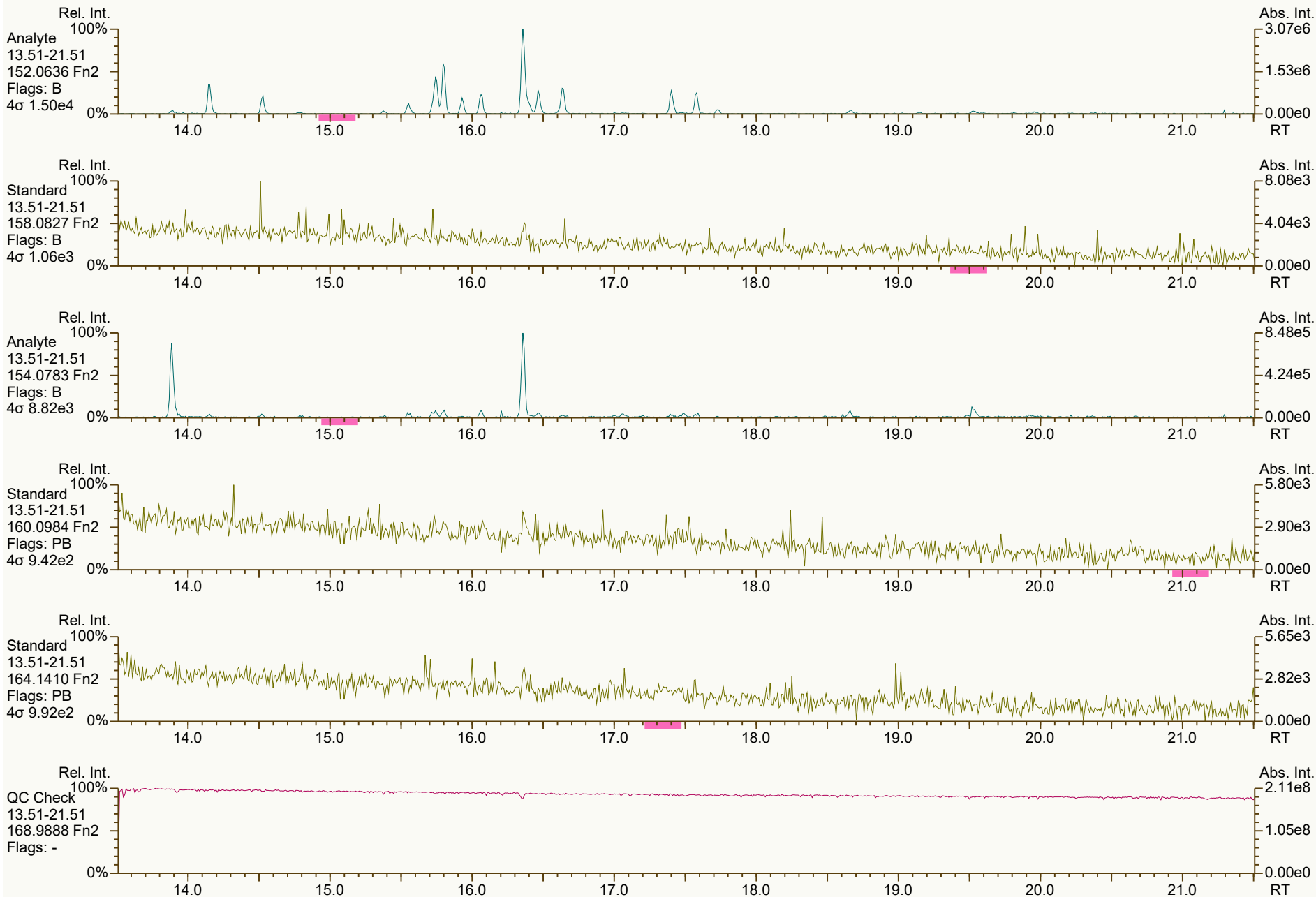
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1425, 0879, 7164, 3635, 5309 scc: 129-573

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



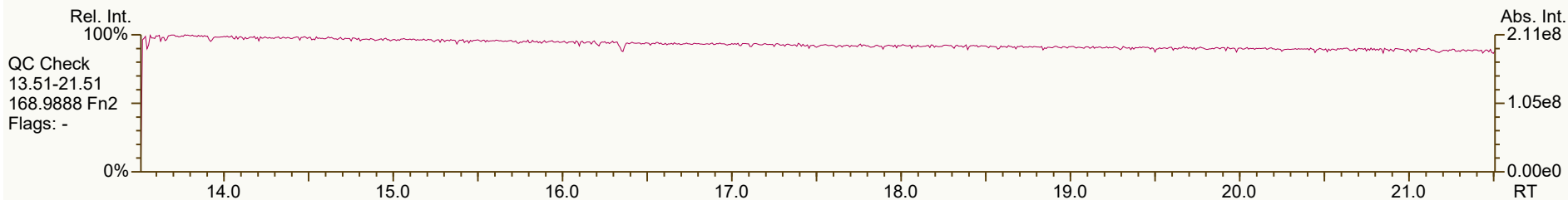
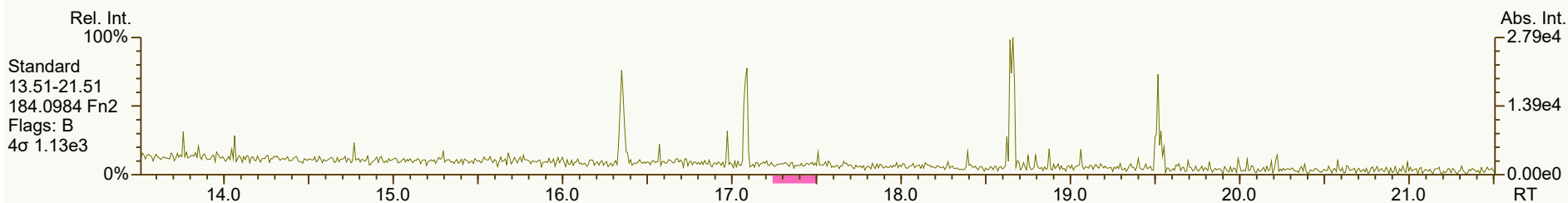
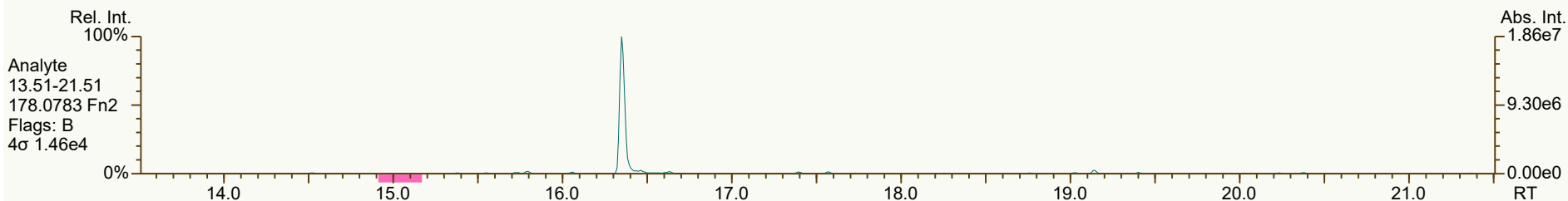
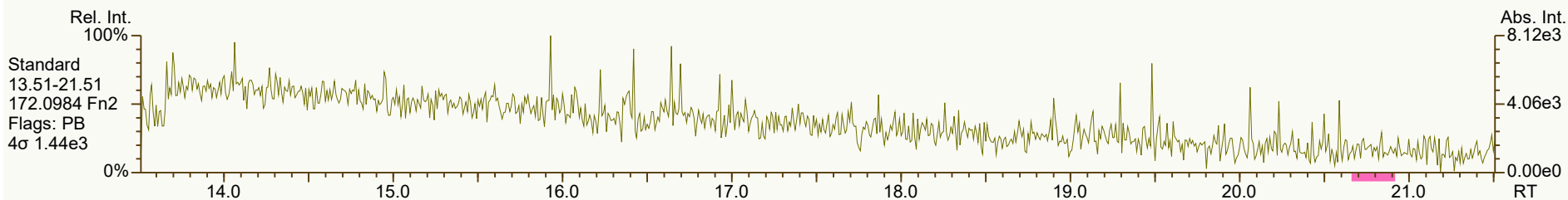
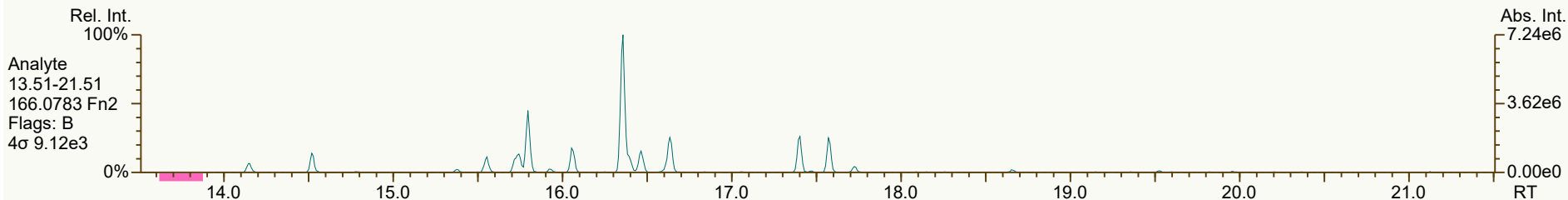
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 8593, 1886, 1294, 7627, 0116 scc: 129-573

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
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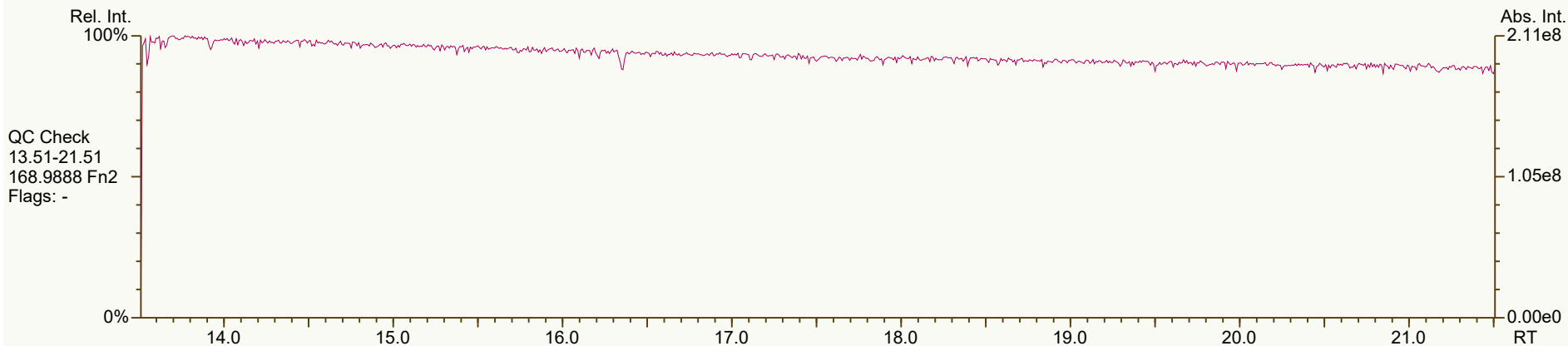
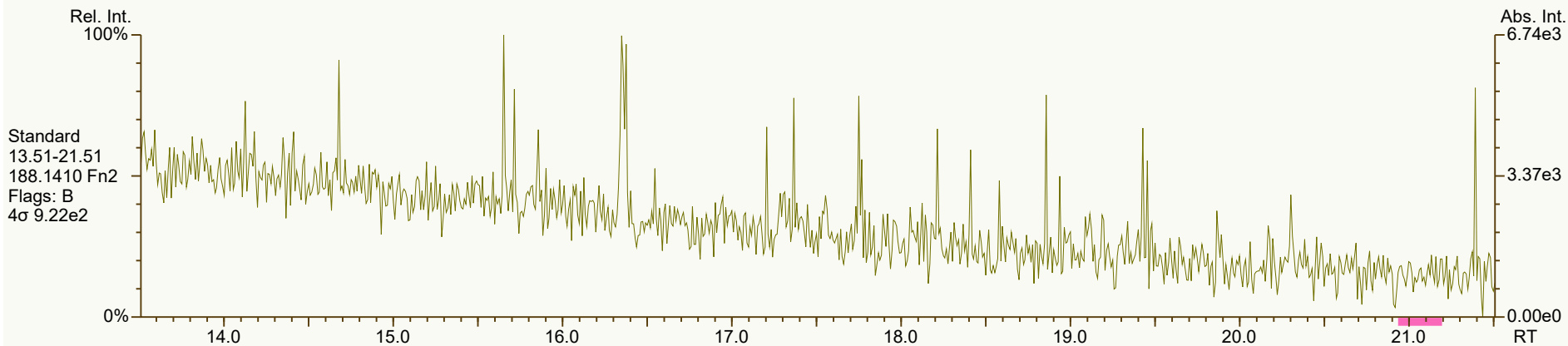
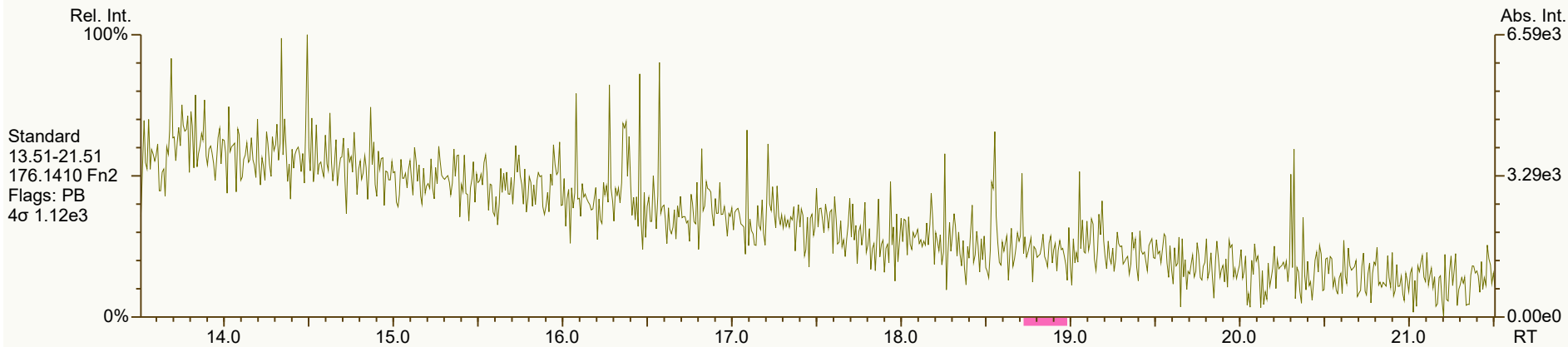
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 0710, 8294, 9614, 8692 scc: 129-573

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

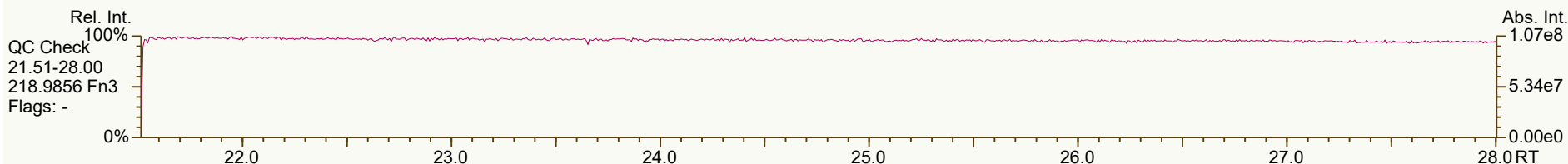
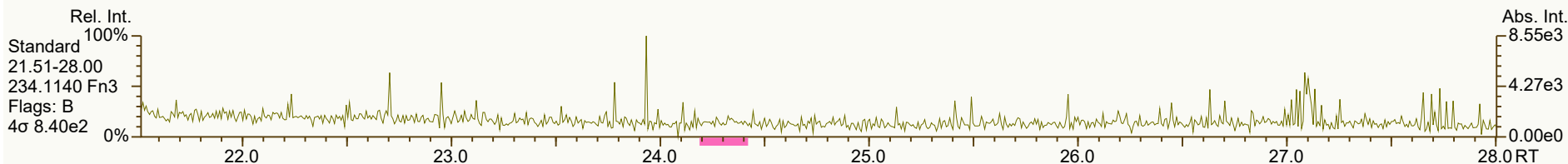
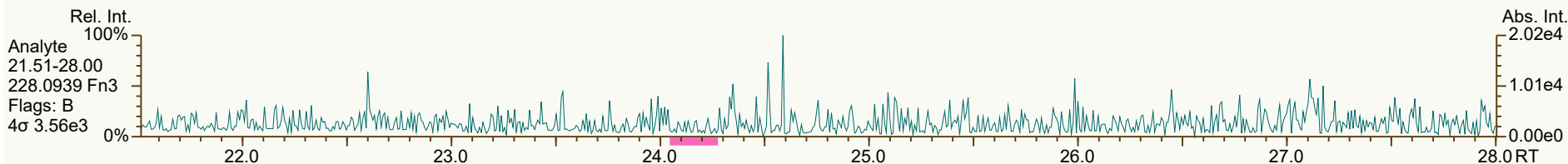
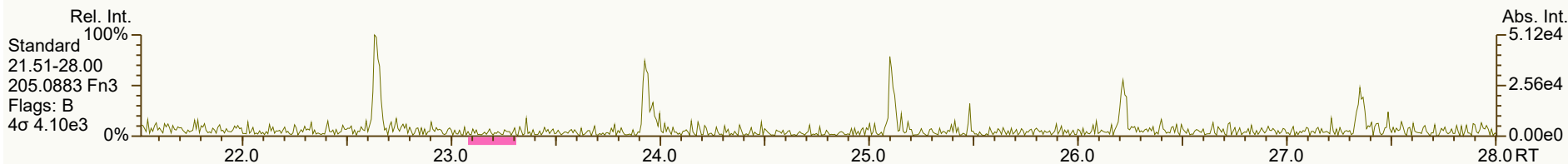
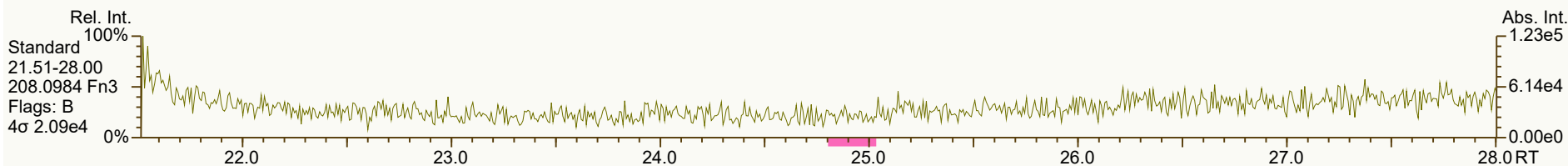
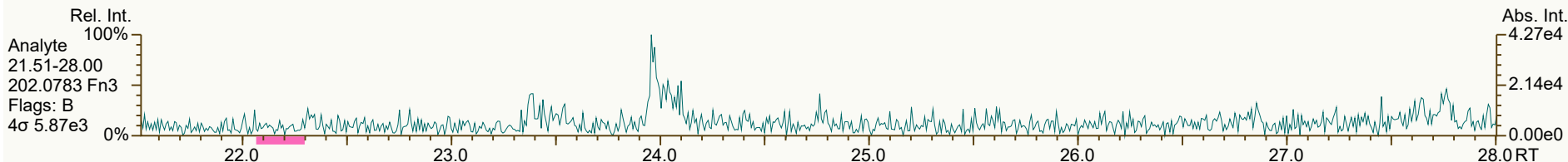
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User: DTF Datafile: 240305V05



SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

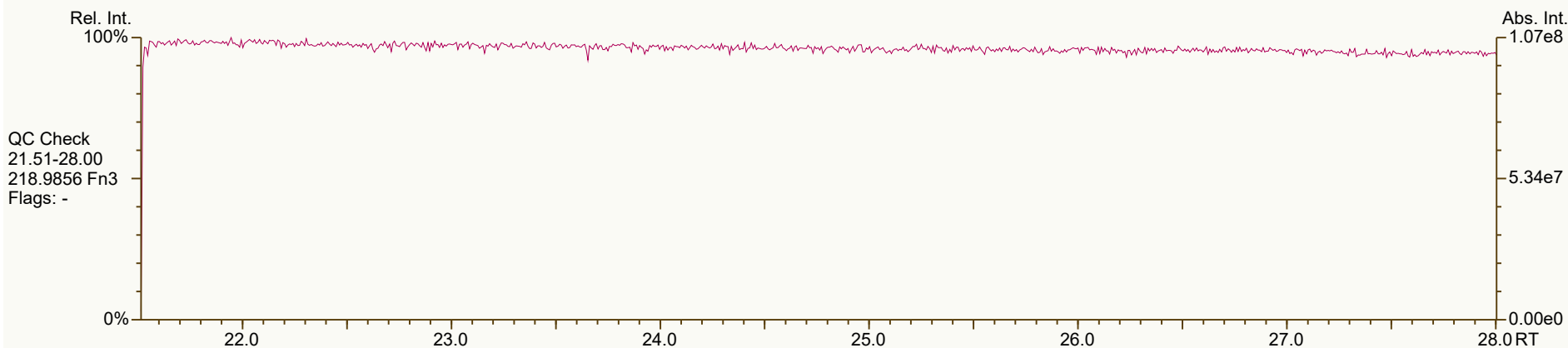
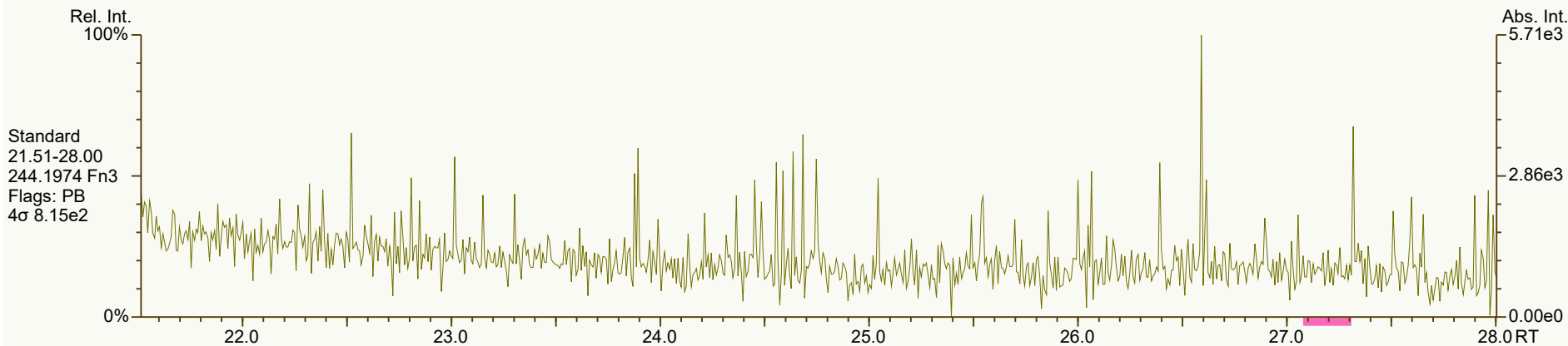
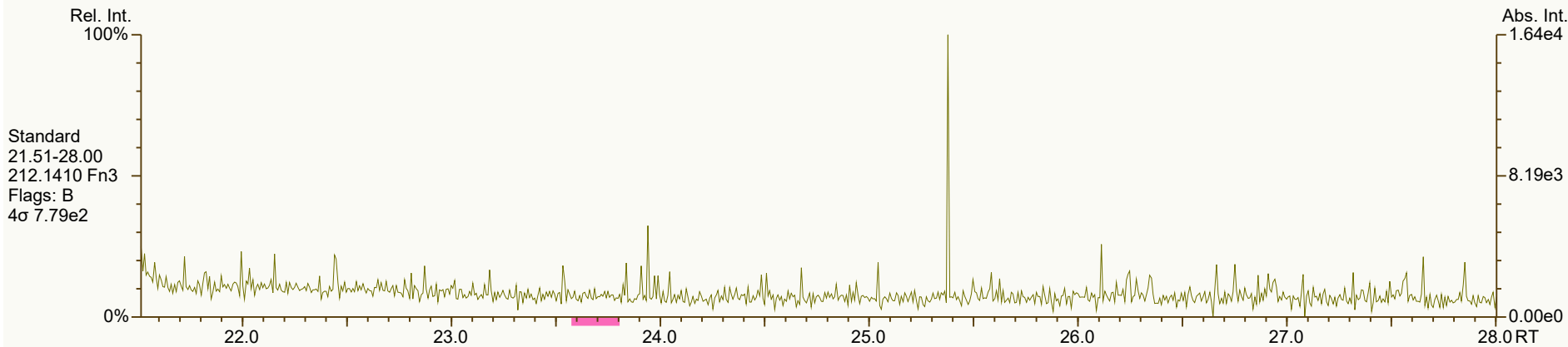
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User: DTF Datafile: 240305V05



SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

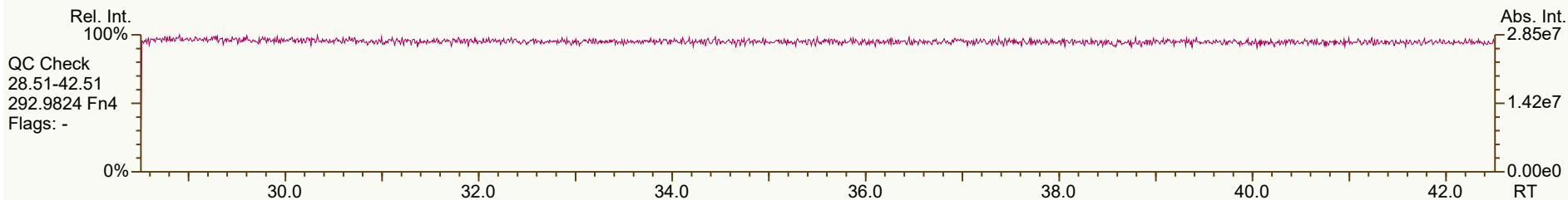
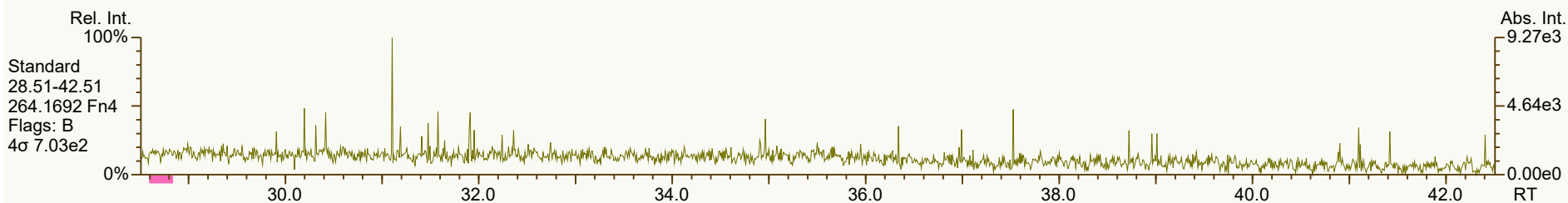
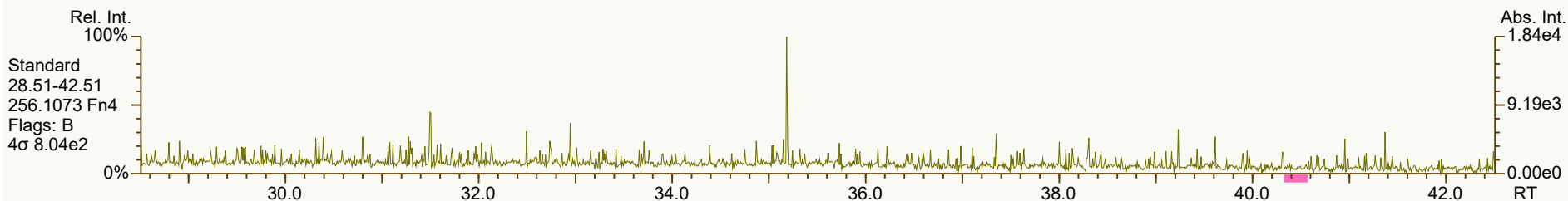
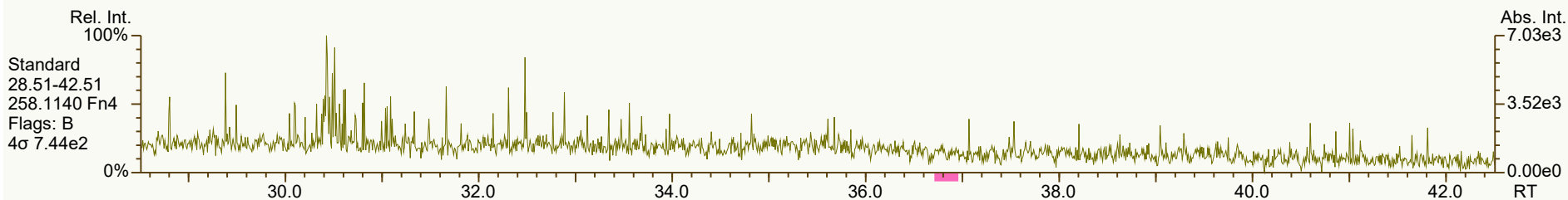
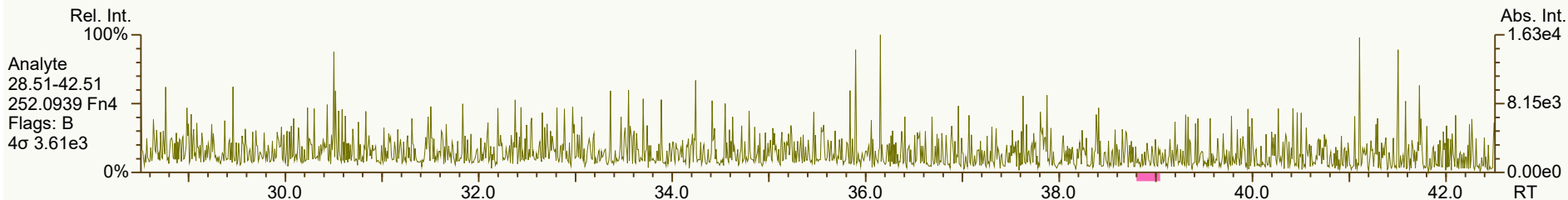
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SGS ID: SB_240305_PAH_VC
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

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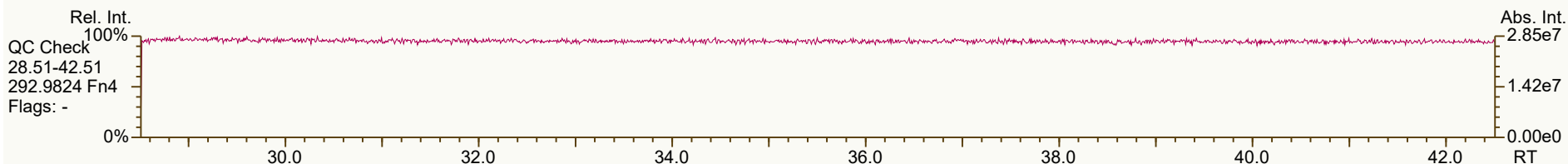
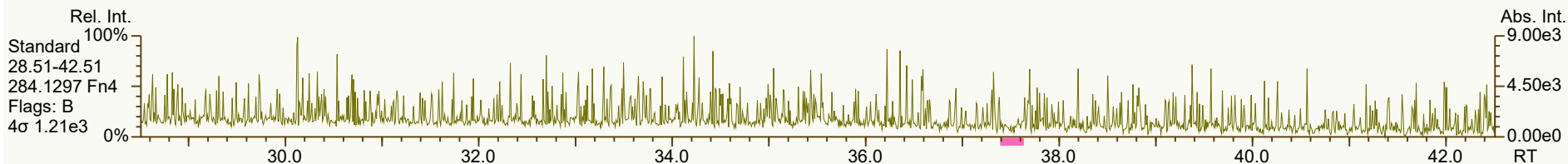
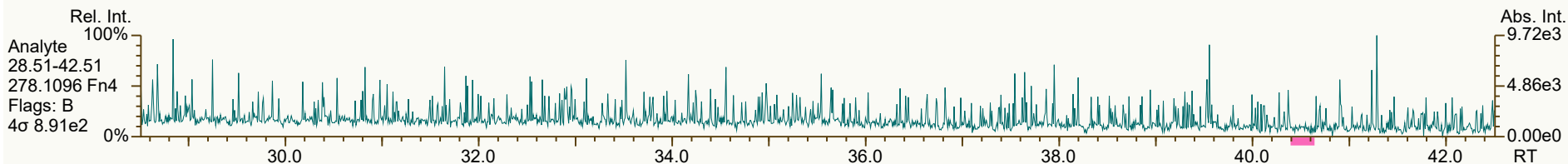
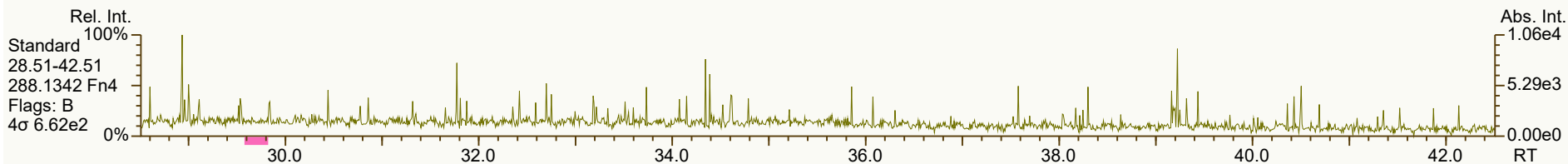
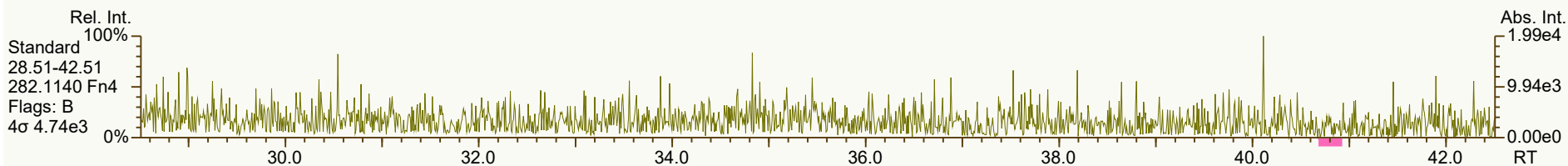
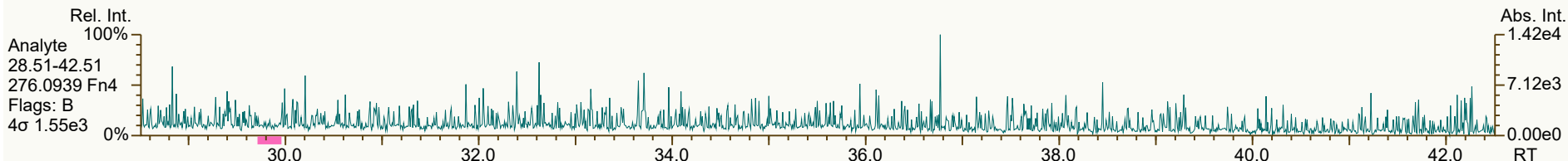
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 2830, 9234, 6633, 7414 scc: 129-573

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
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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

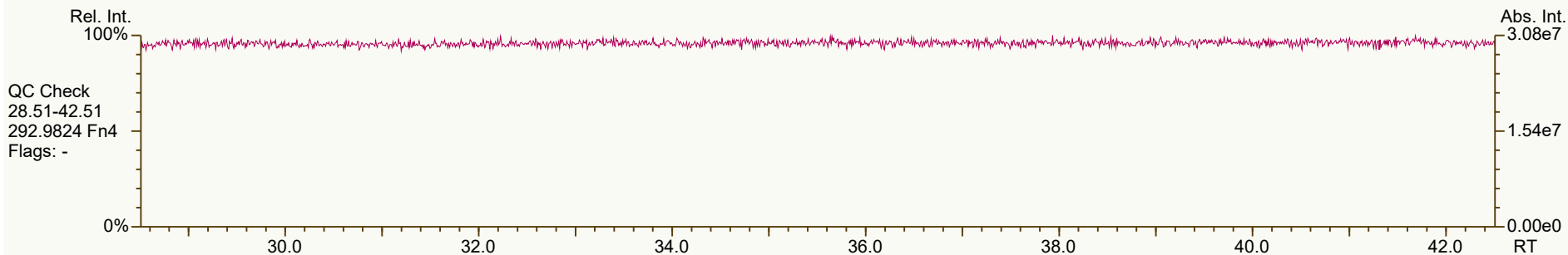
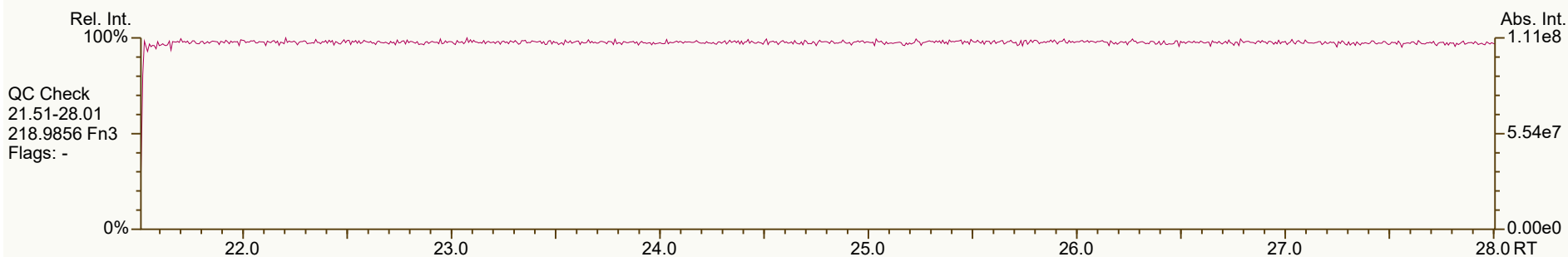
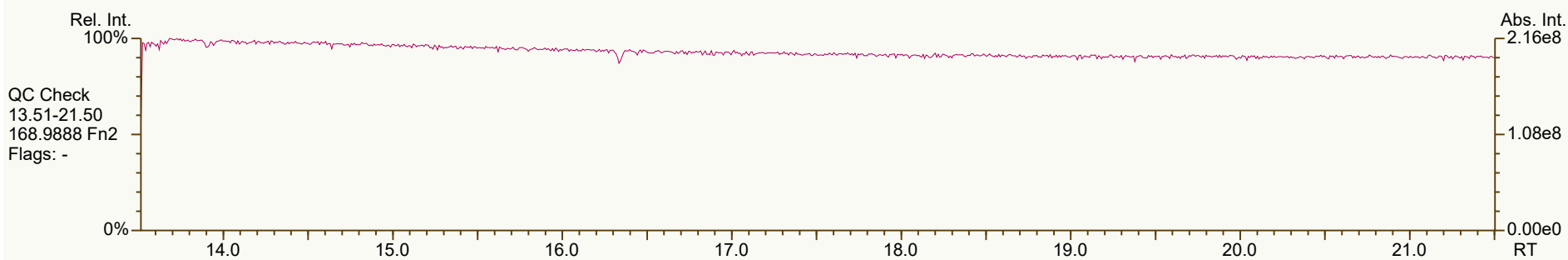
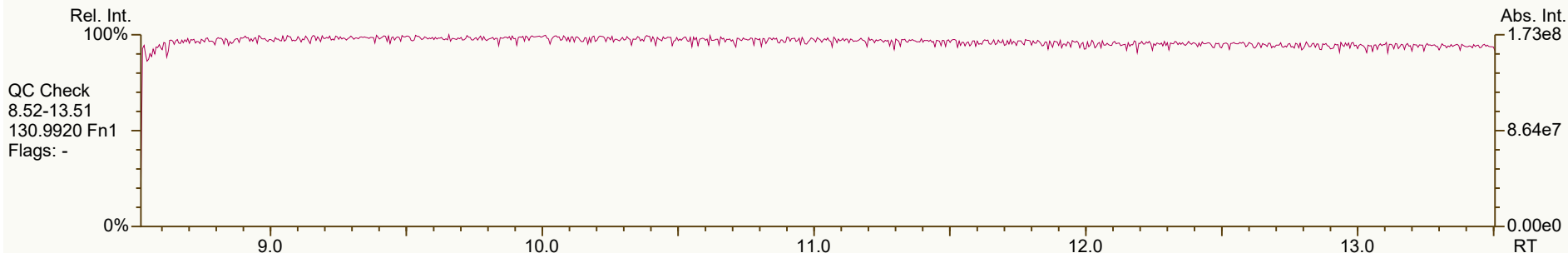
MM6_PAH_ICAL_05MAR2024

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



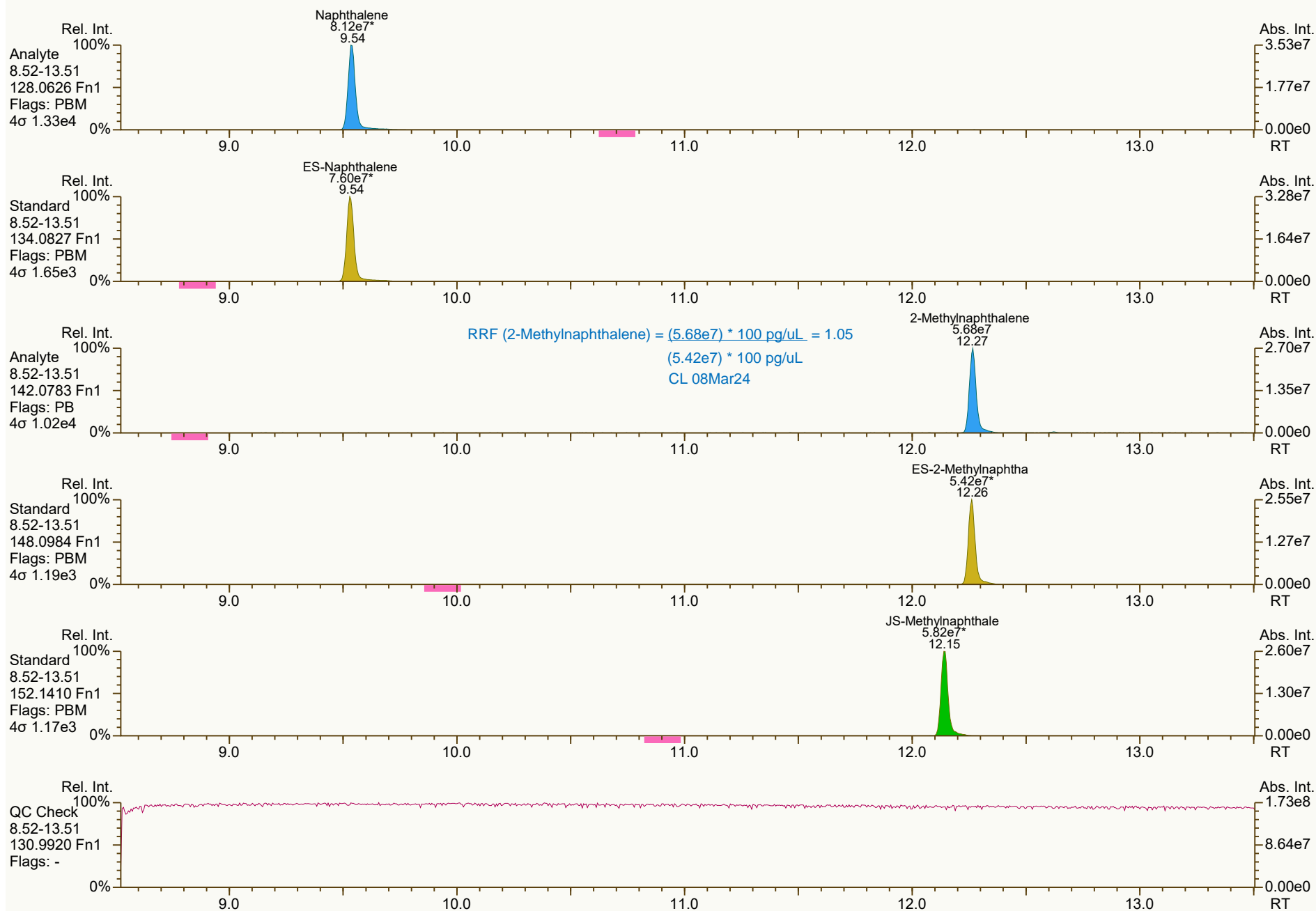
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 396-070

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



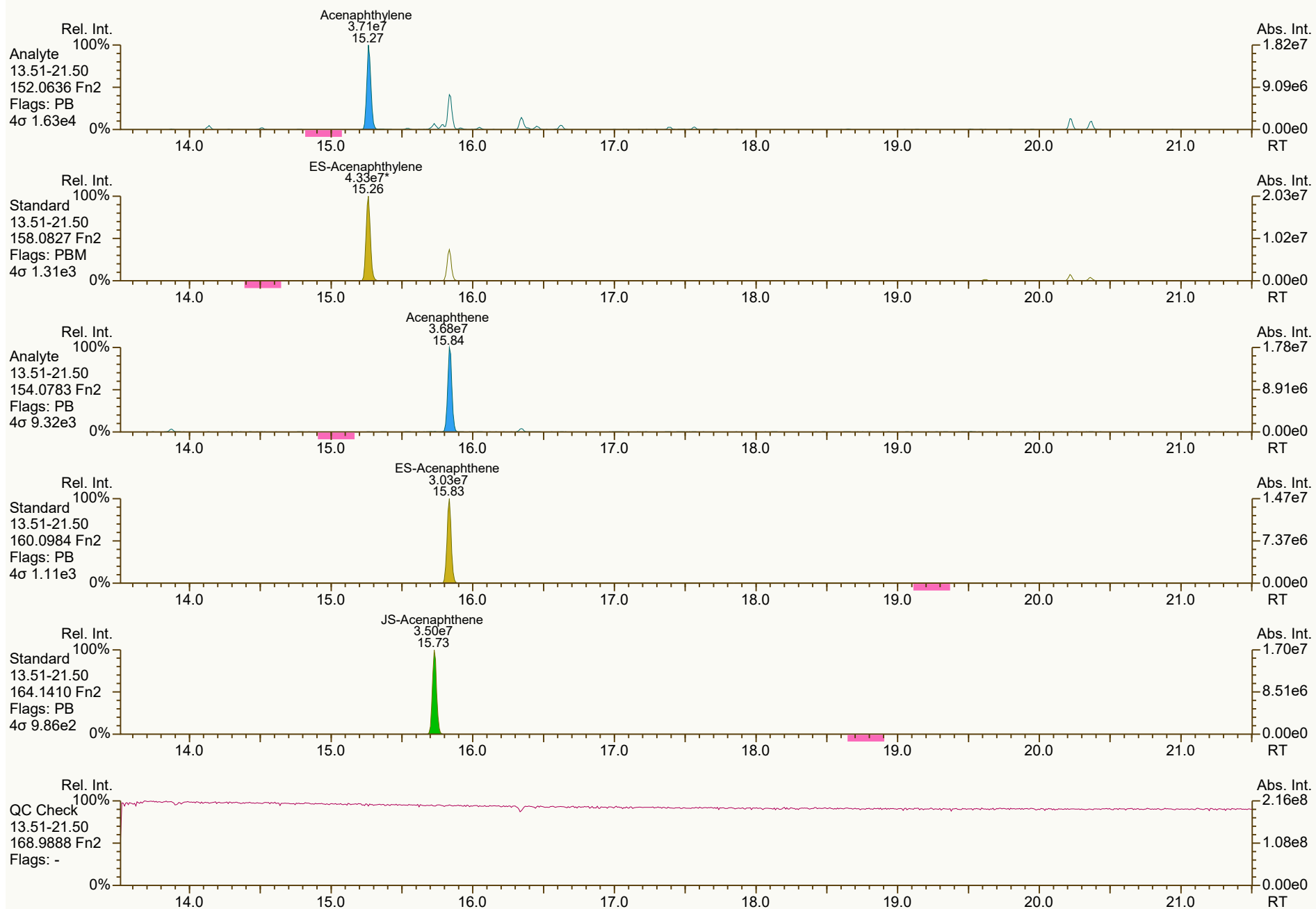
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1894, 2431, 2604, 5898, 5608 scc: 396-070

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)

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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



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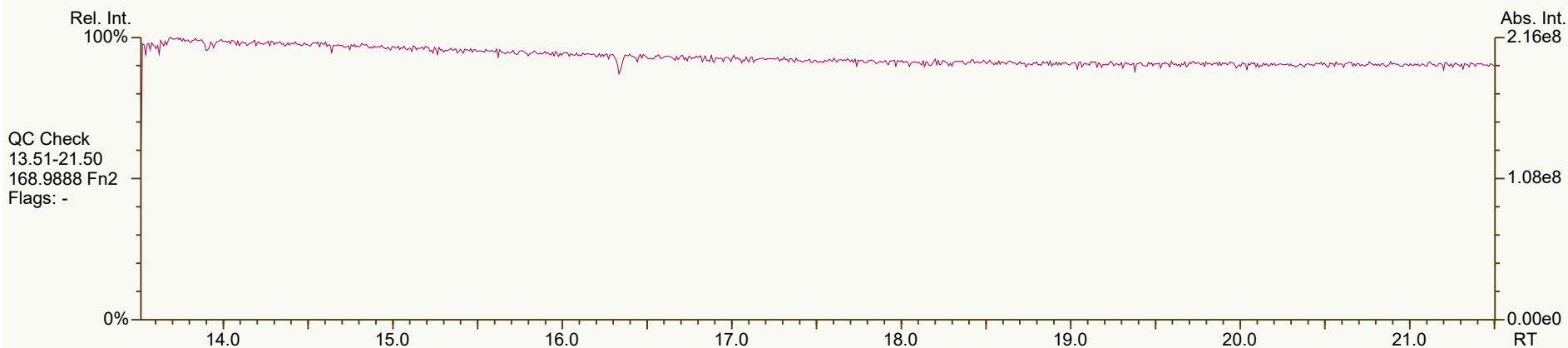
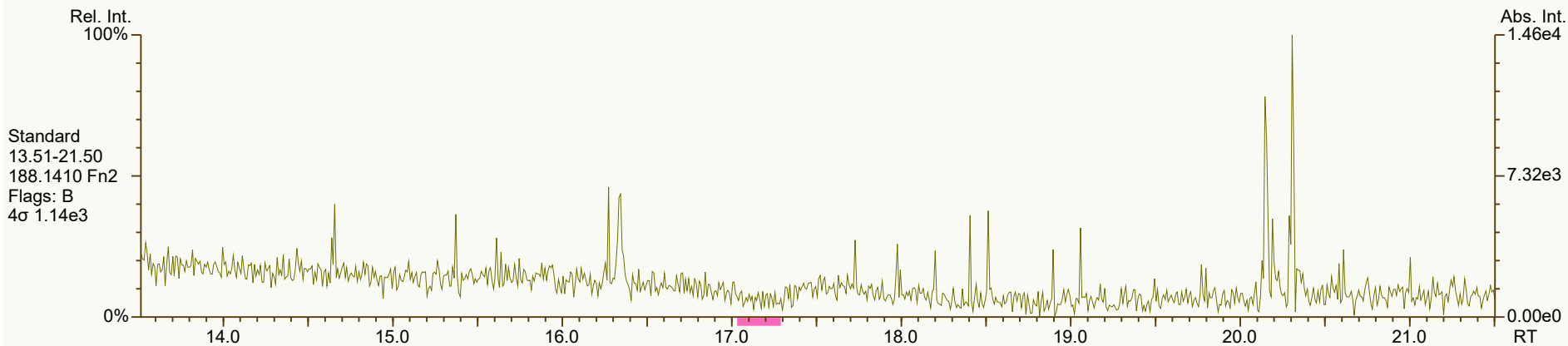
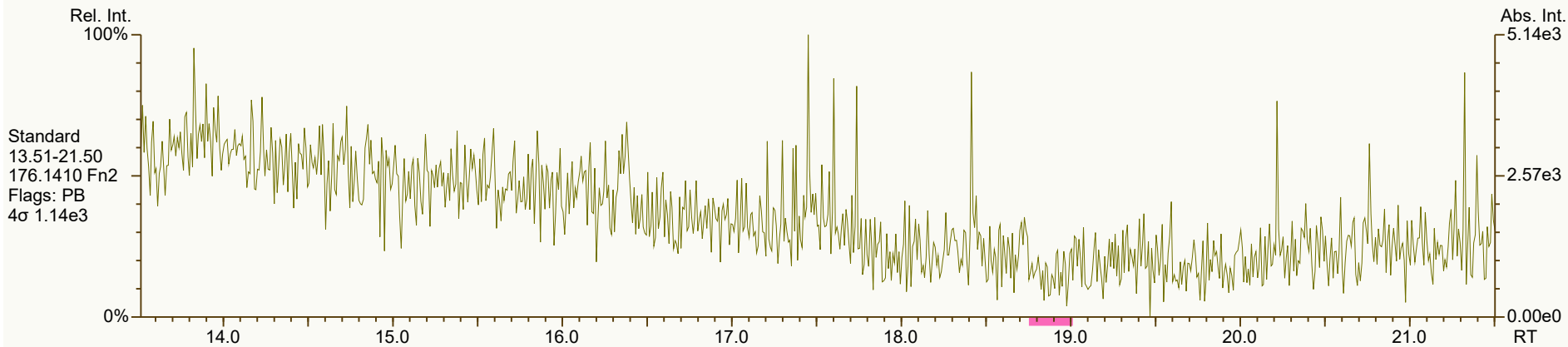
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Peak annotation: Areas, Centroids
Revised: 06-Mar-2024 14:58 (DTF) Printed: 06-Mar-2024 15:34 Page 4 of 9

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

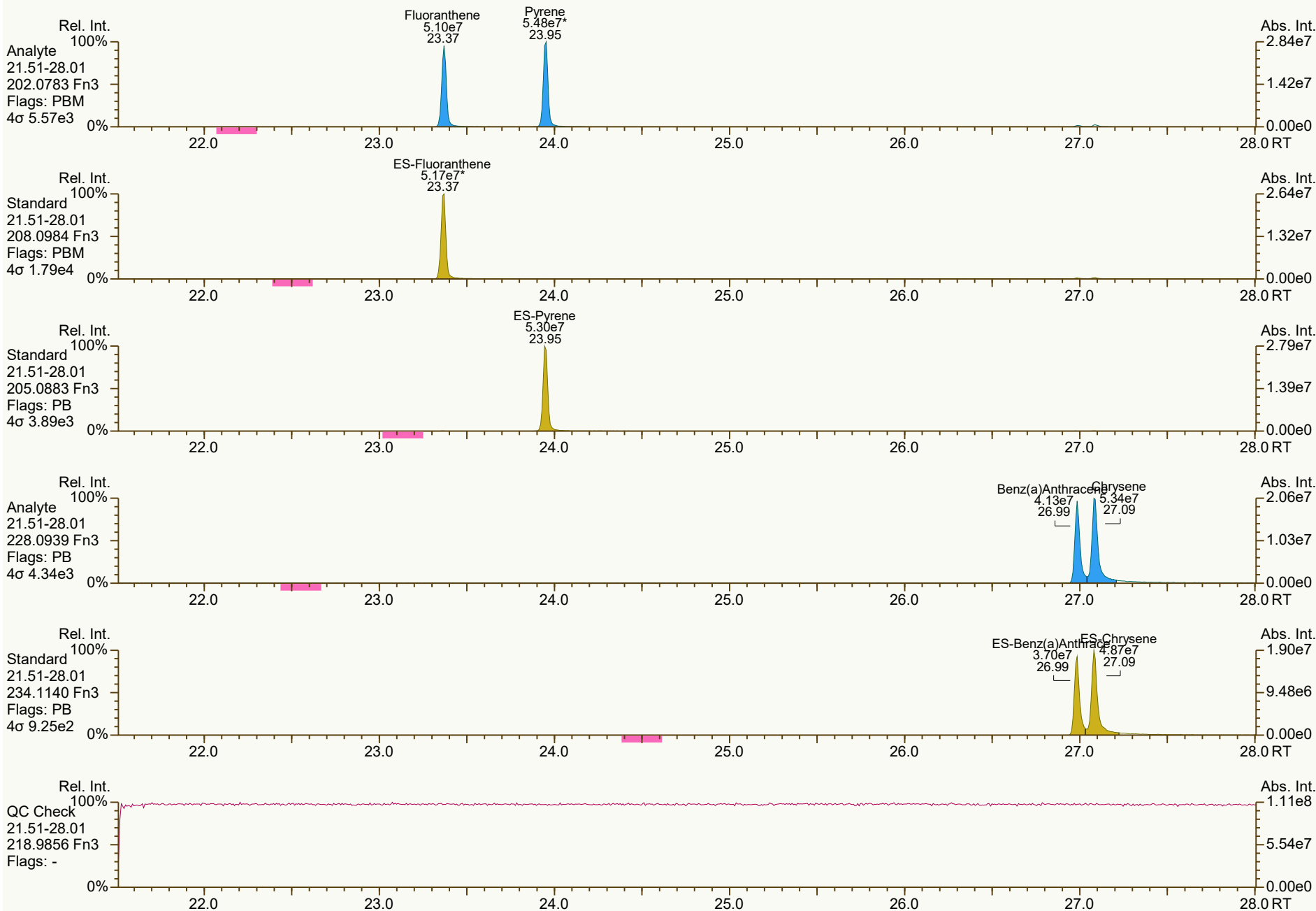
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Sample ID: ICV 27-76-3
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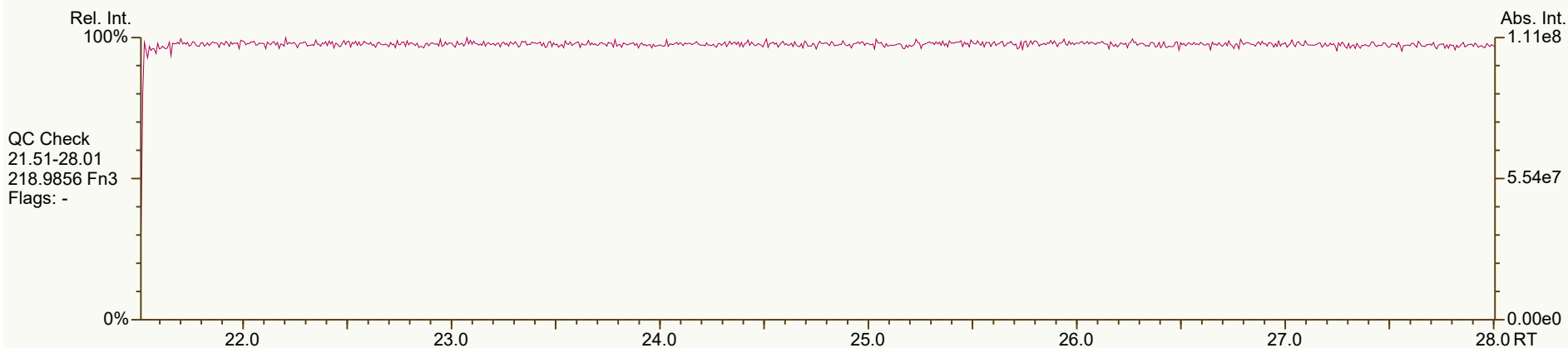
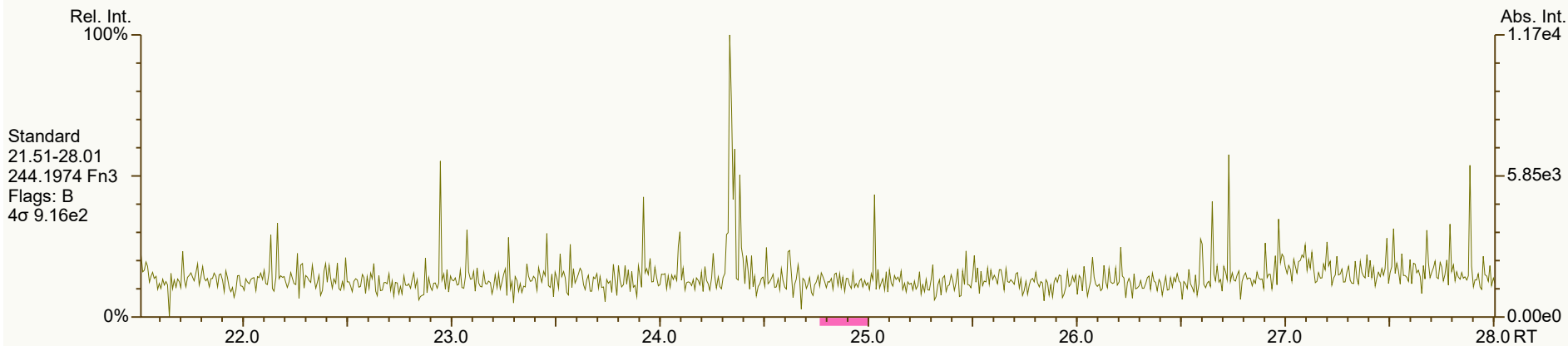
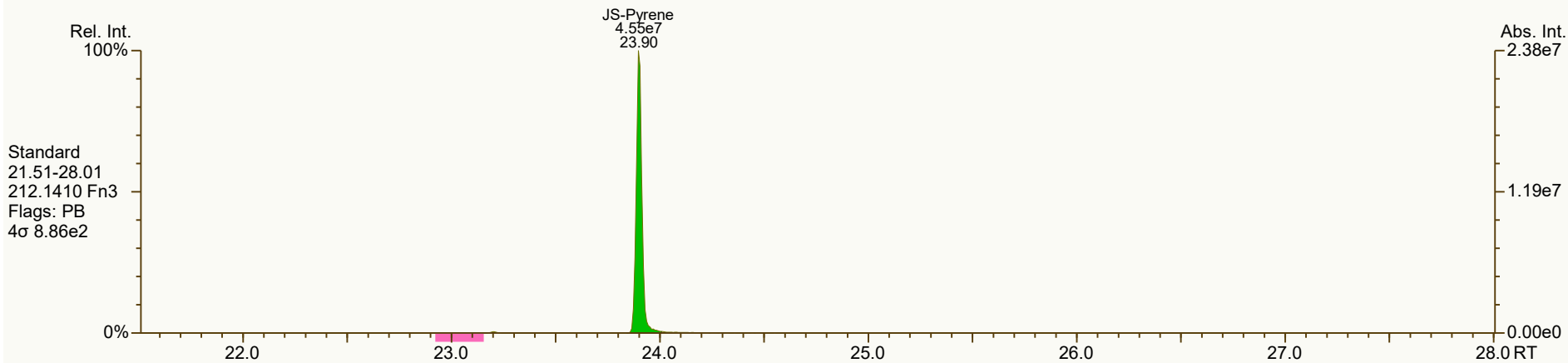
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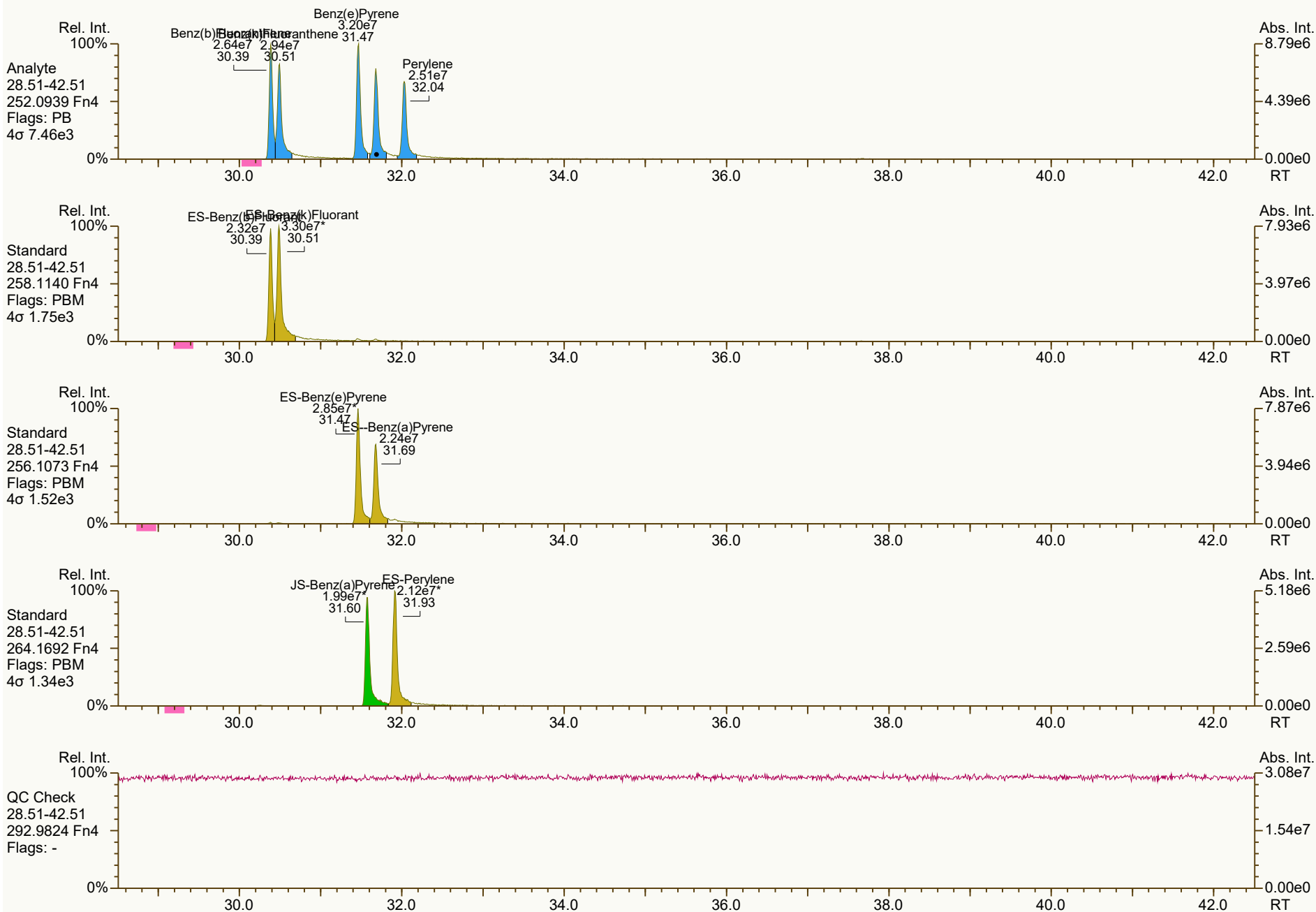
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SGS ID: CS3_240305_PAH_VB
Instr: [ILM] AutoSpec-Premier MM6

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



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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

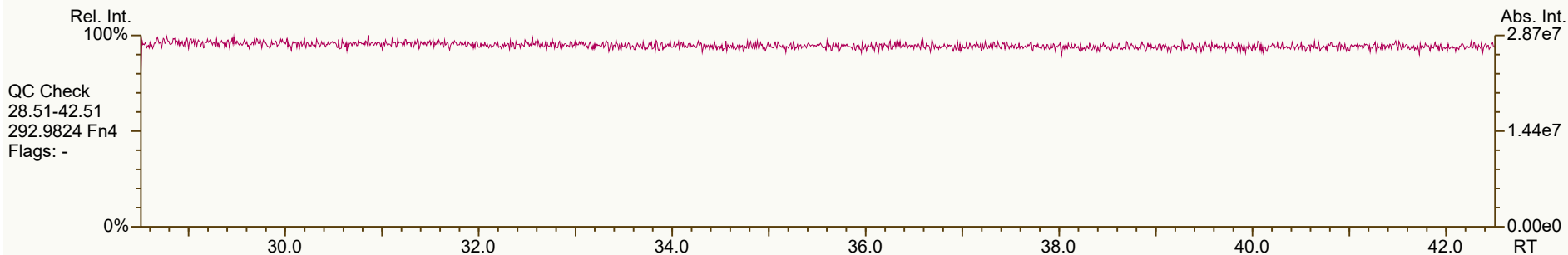
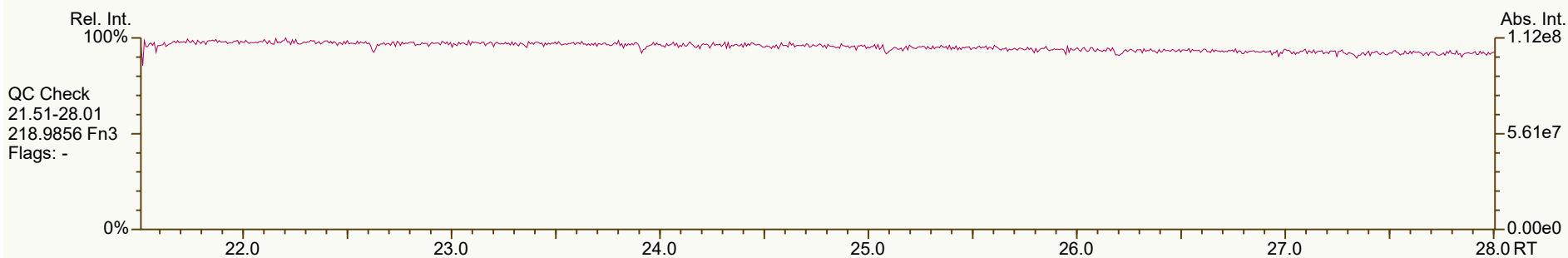
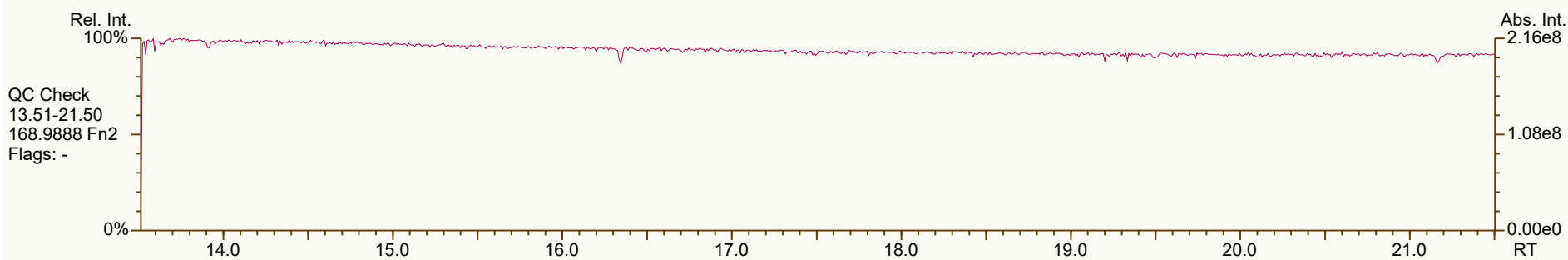
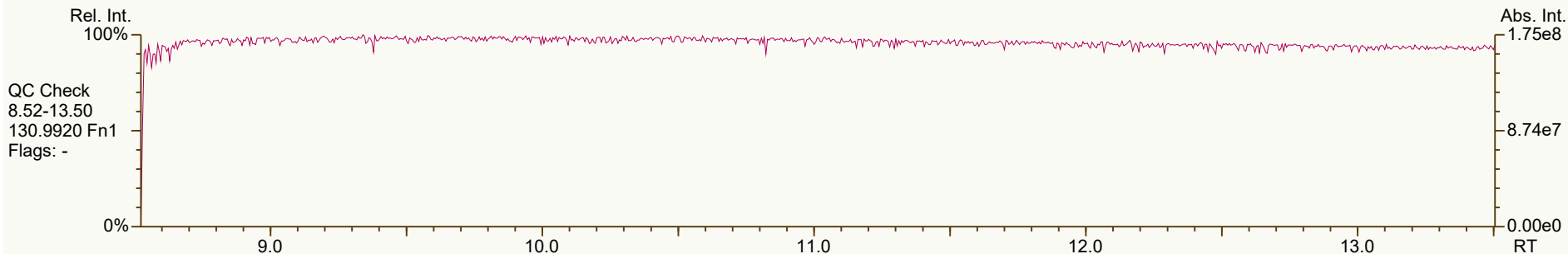
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SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
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Acq: 05-Mar-2024 20:47:49
User: DTF Datafile: 240305V11



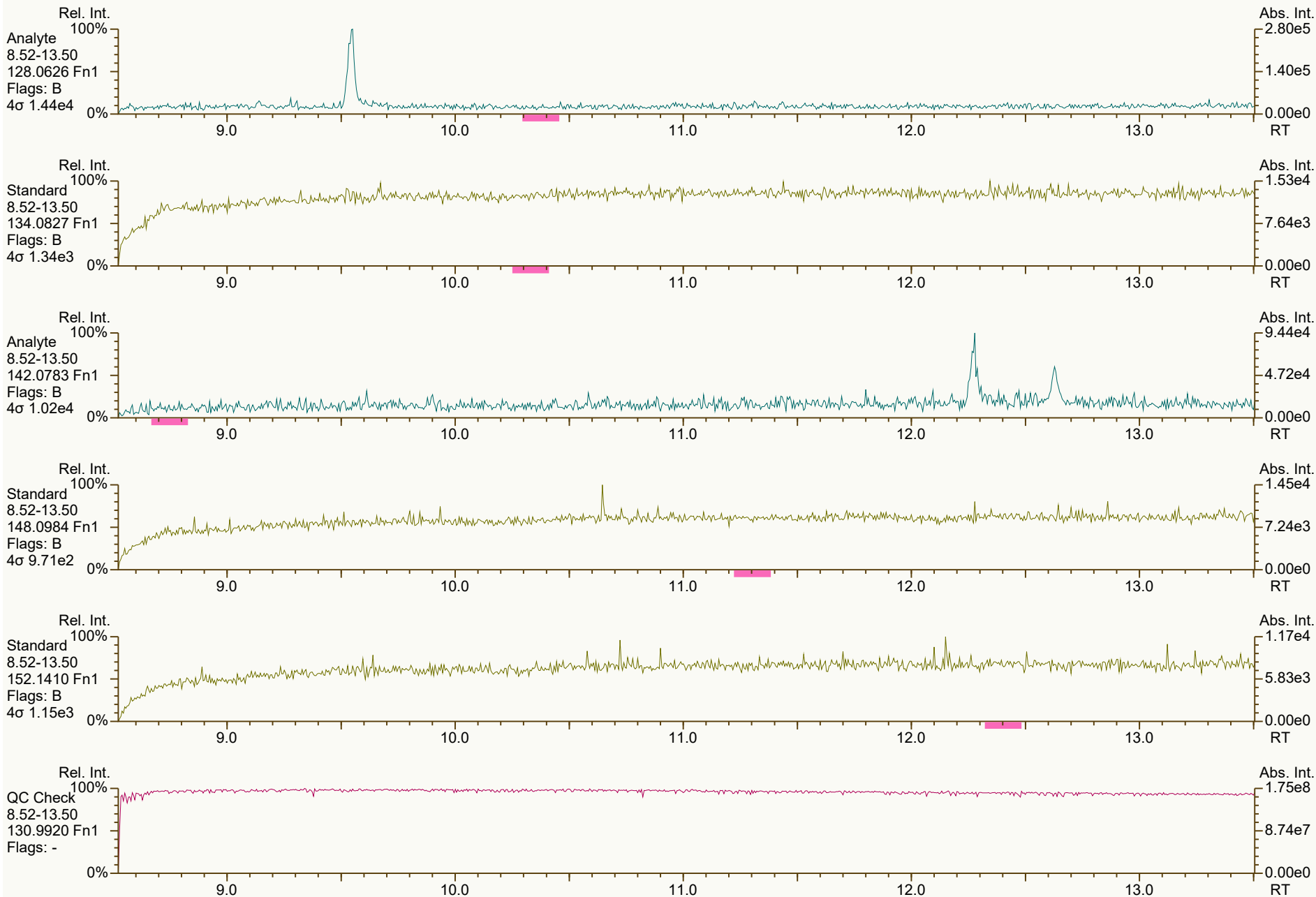
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 scc: 472-191

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



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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



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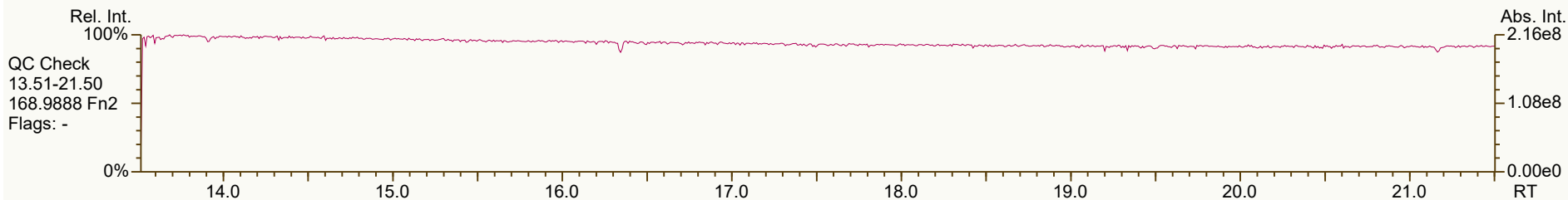
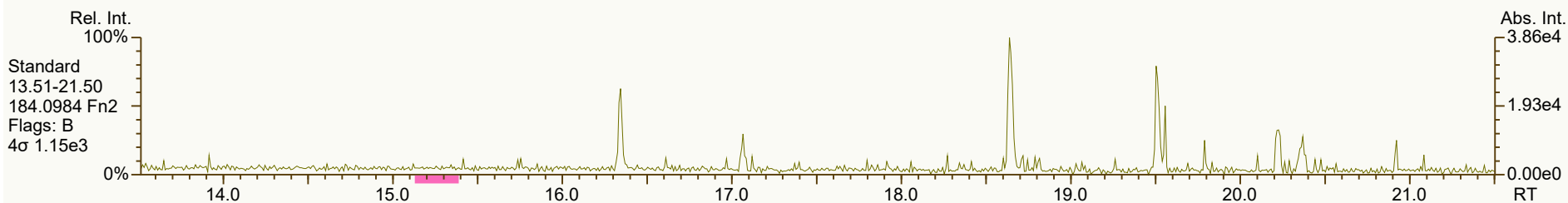
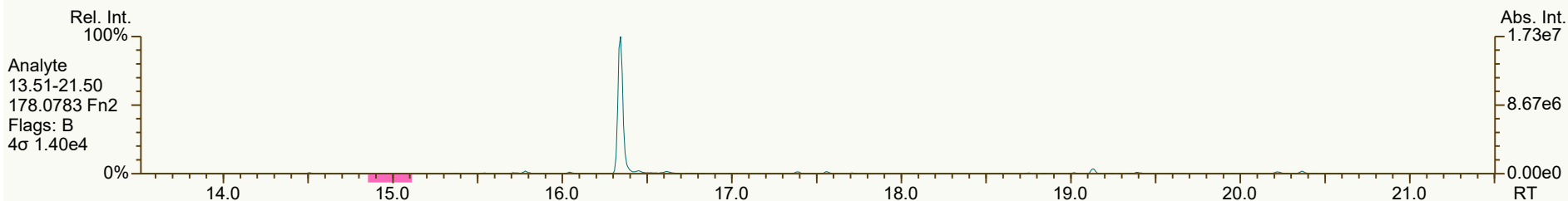
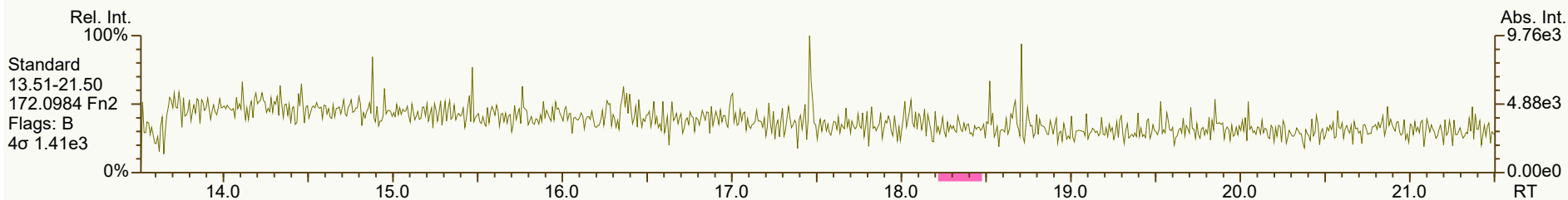
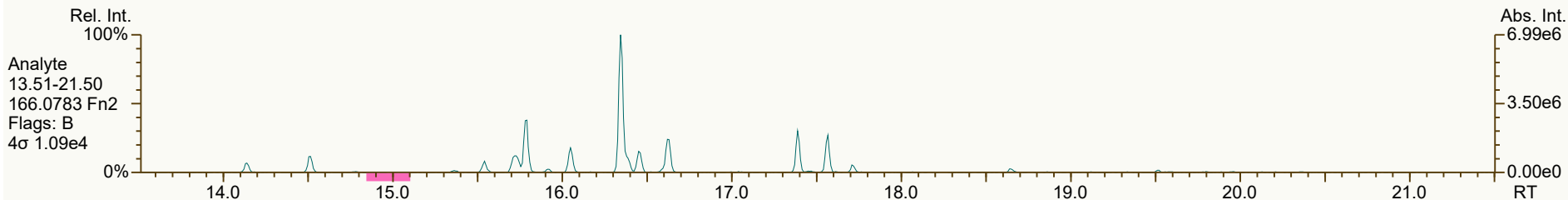
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Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 3 of 9

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
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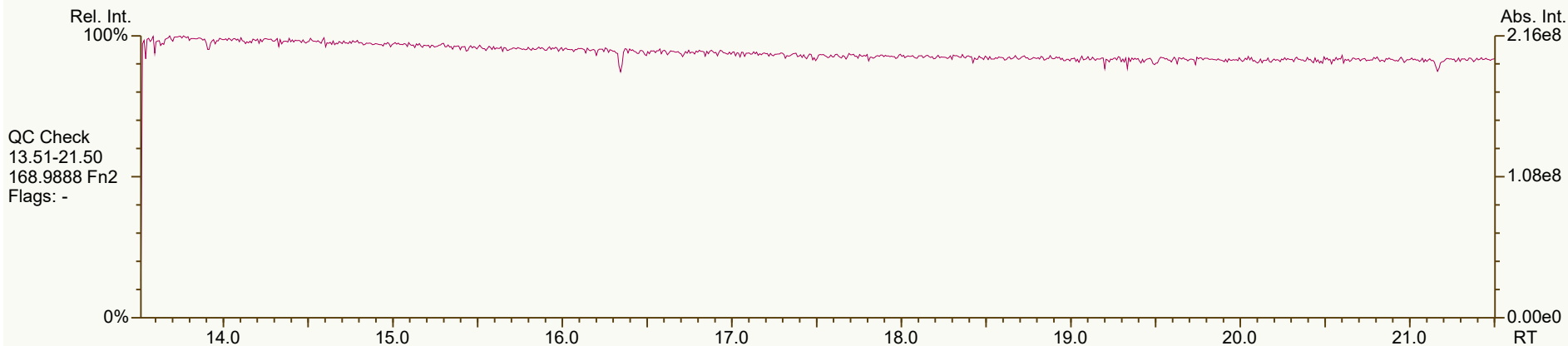
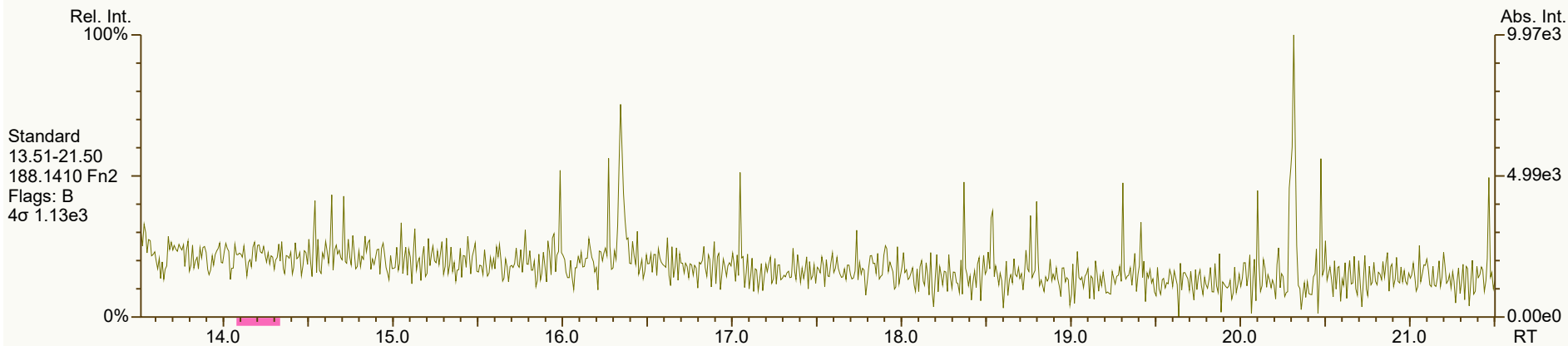
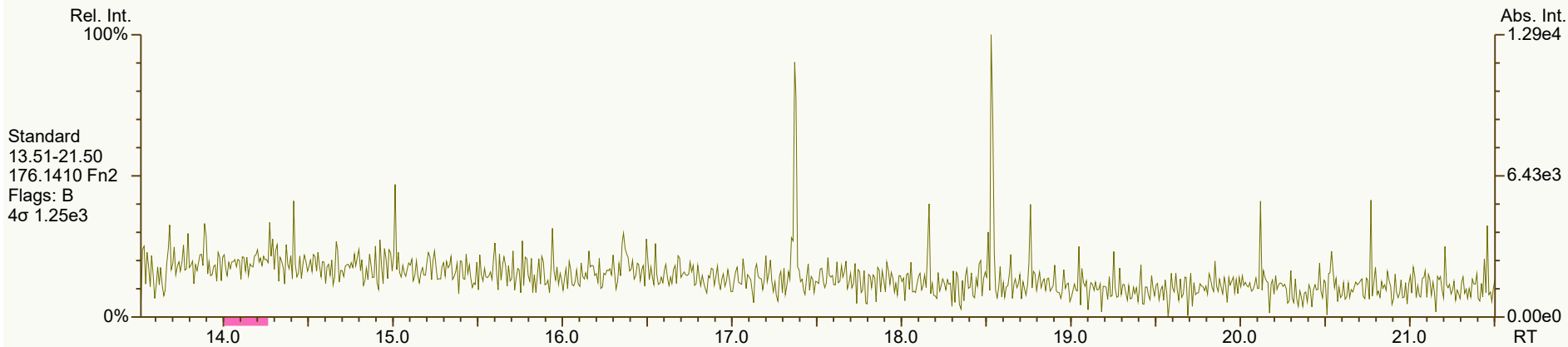
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Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 4 of 9

SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

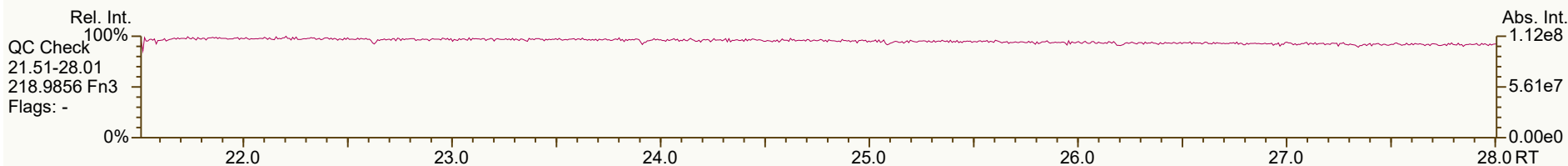
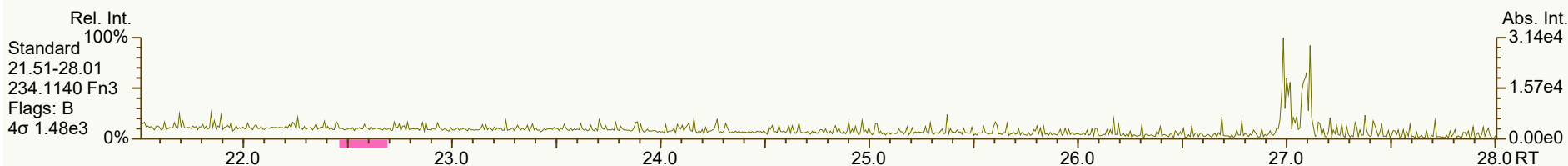
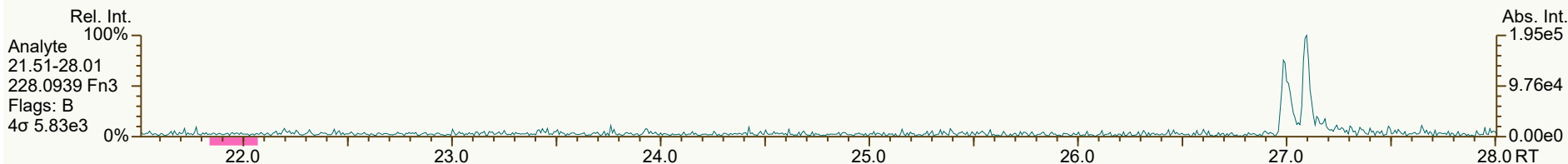
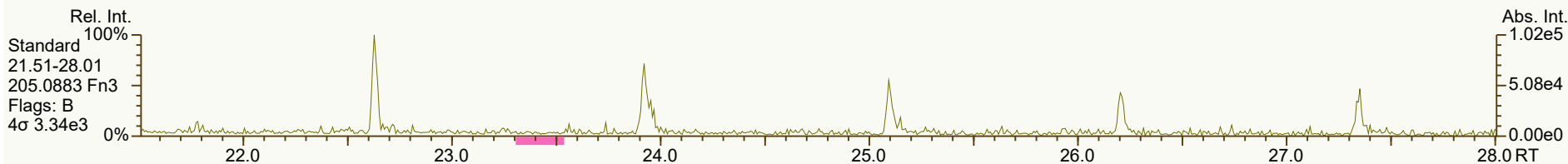
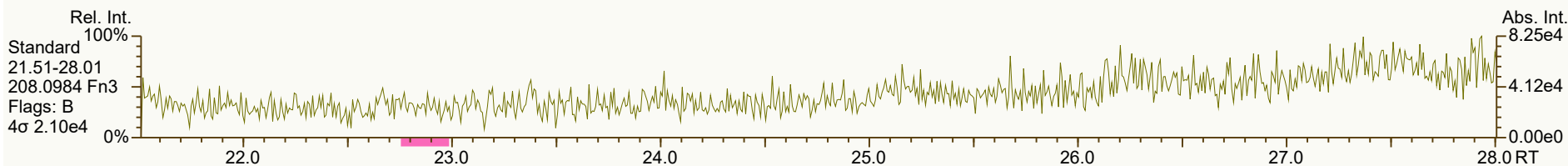
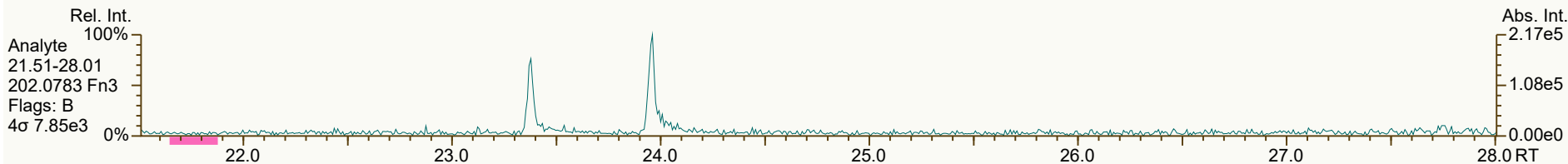
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SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

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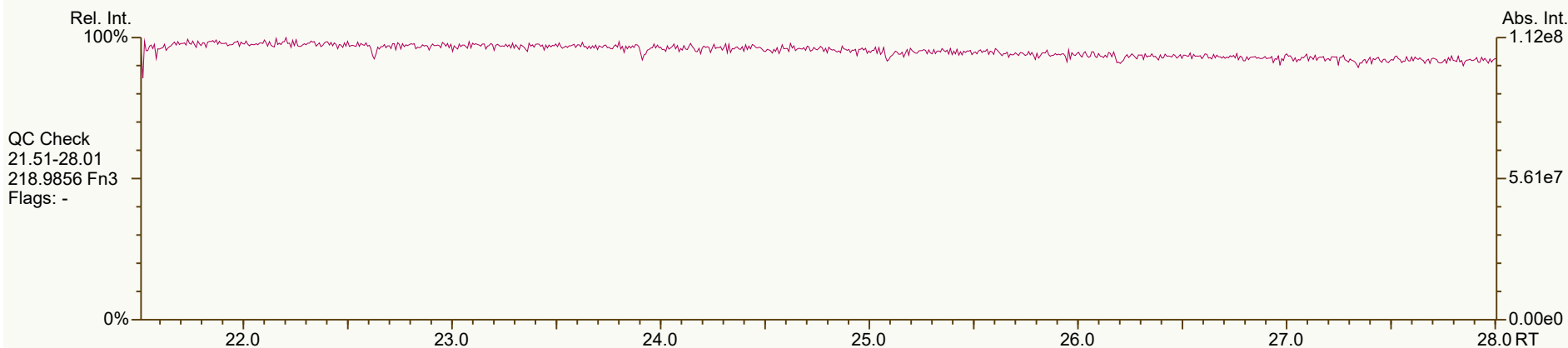
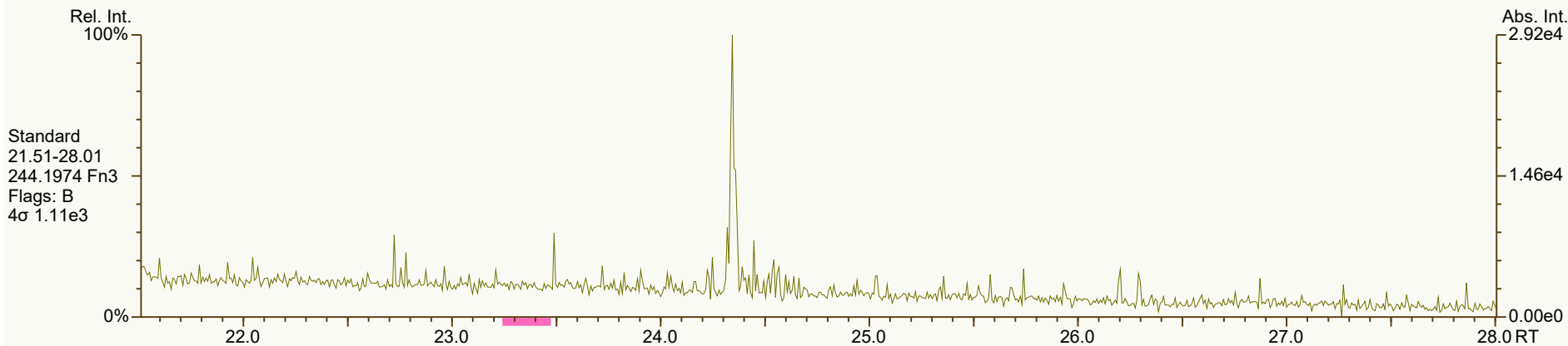
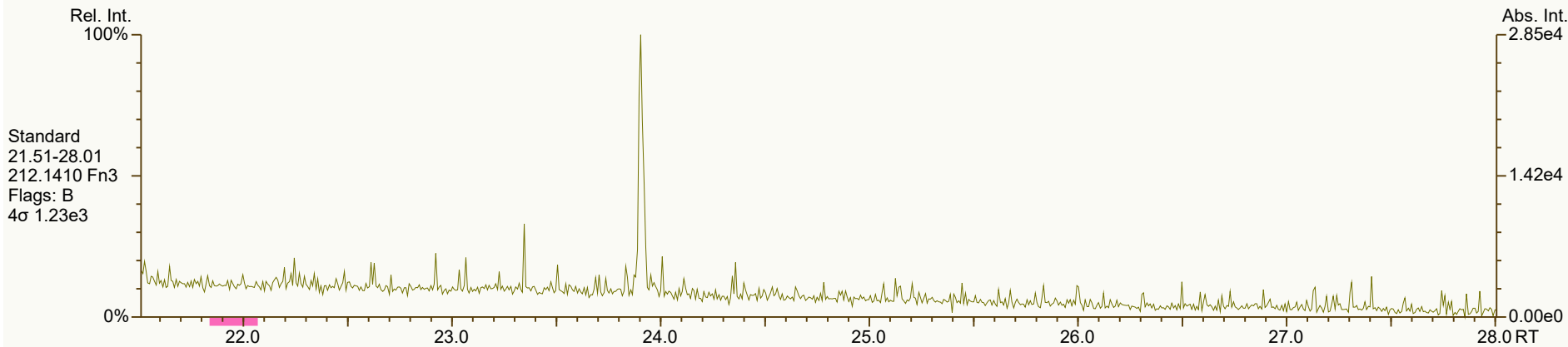
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 3386, 0817, 4272, 1829, 5348 scc: 472-191

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

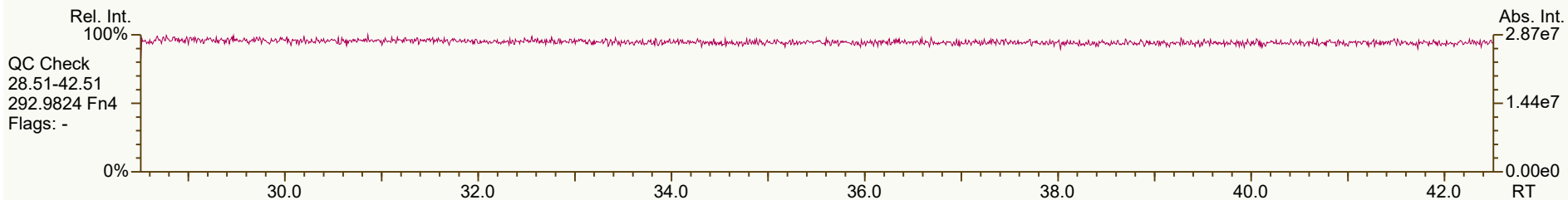
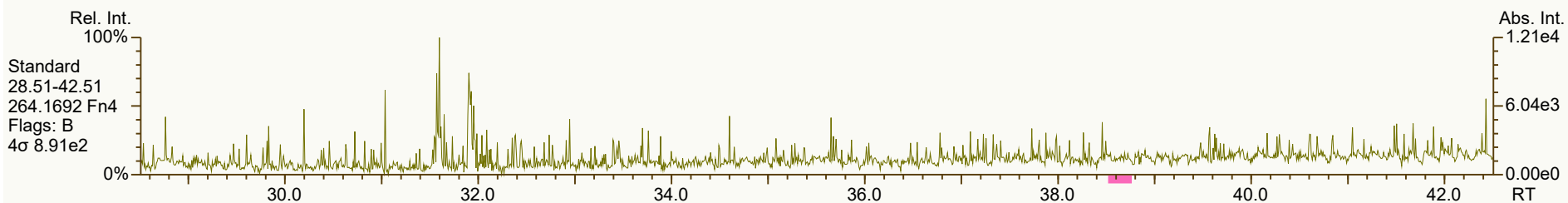
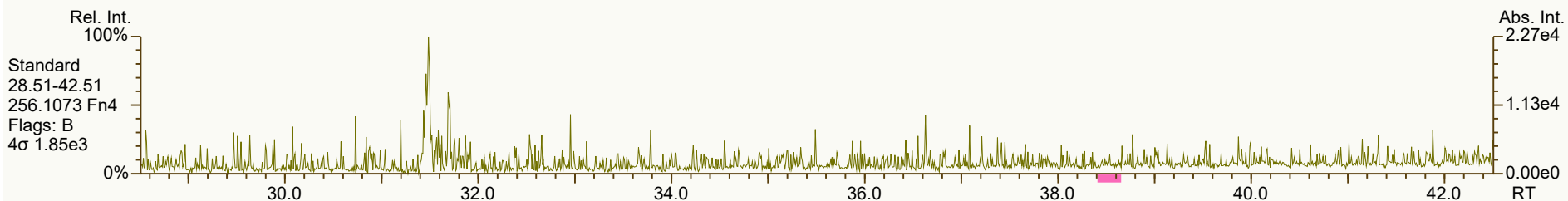
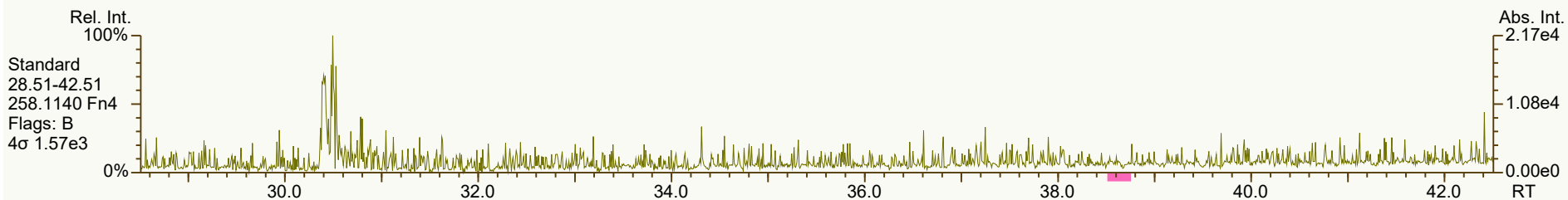
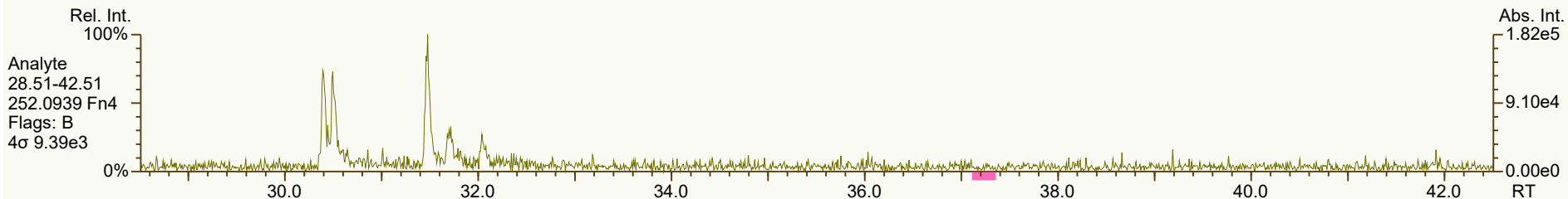
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SGS ID: SB_240305_PAH_VD
Instr: [ILM] AutoSpec-Premier MM6

Sample ID: Isooctane
VSIR EI+ Expt: pah GC: pah Vial: 4

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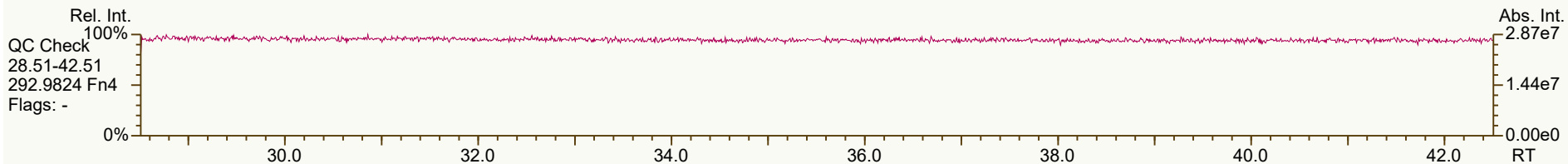
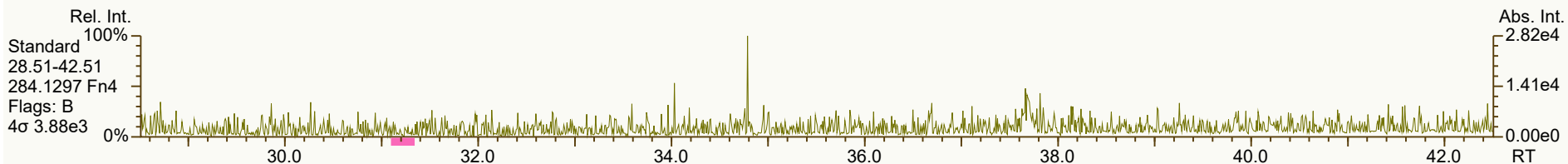
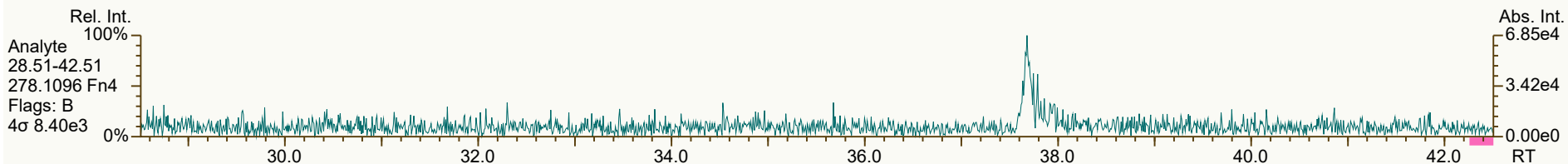
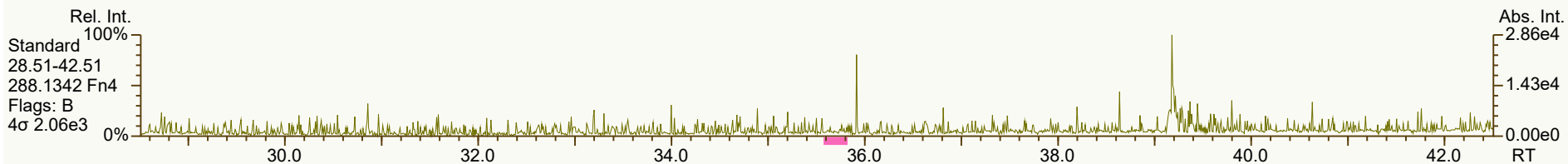
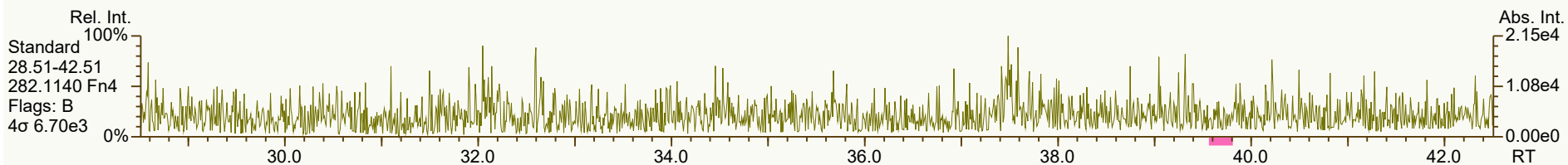
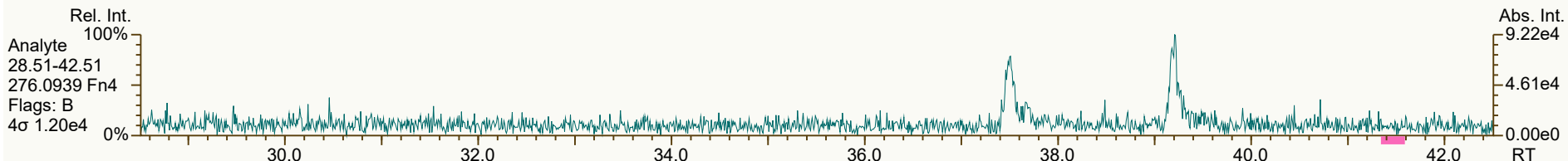
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 1517, 1235, 1003, 3404 scc: 472-191

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



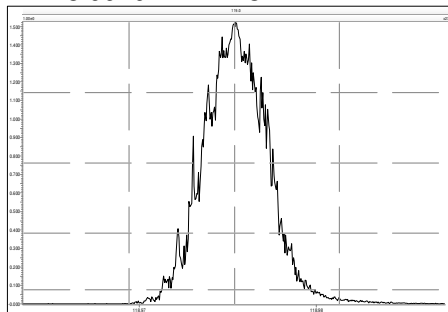
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SGS UltraTrace-Pro V5.12 User/System: DTF/USPF22K616 cc: 4828, 4082, 3962, 7945, 3322 scc: 472-191

Peak annotation: Areas, Centroids
PKD: 06-Mar-2024 14:57 Printed: 06-Mar-2024 15:34 Page 9 of 9

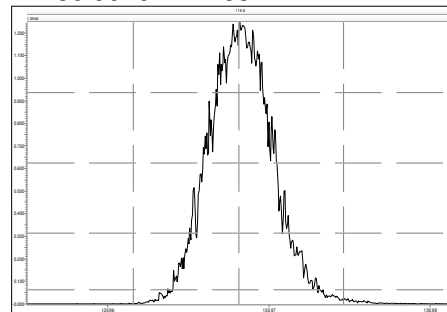
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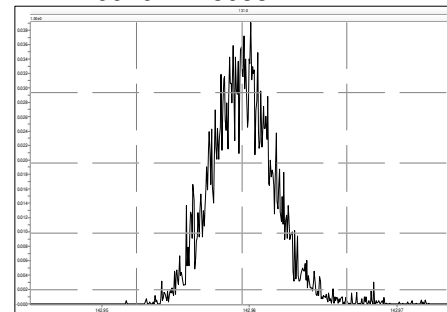
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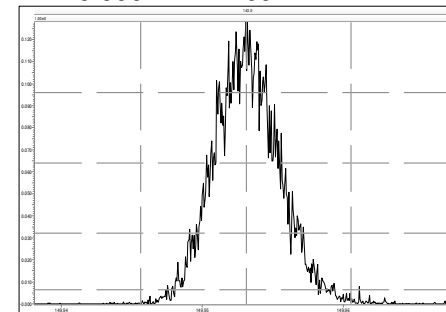
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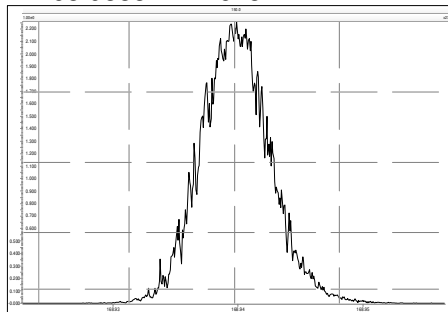
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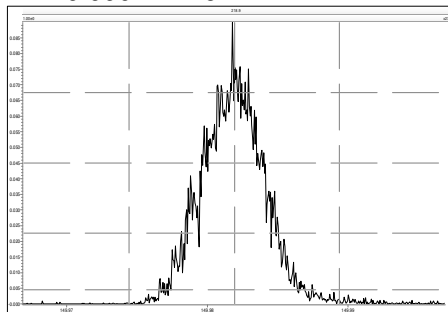
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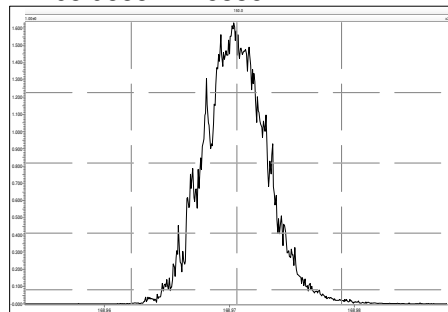
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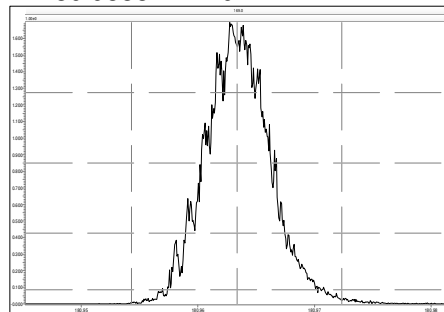
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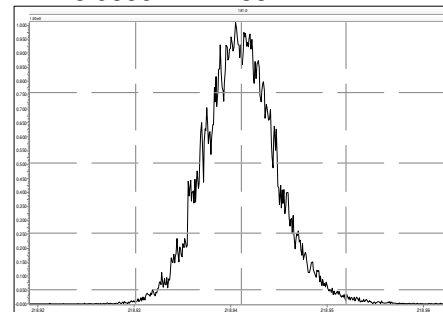
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M 180.9888 R 14044



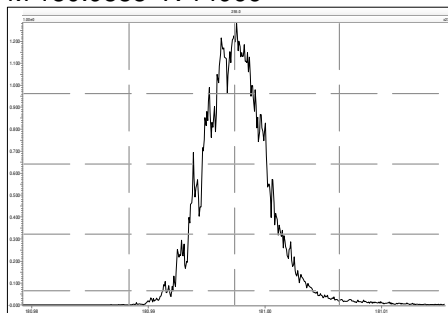
M 218.9856 R 12138



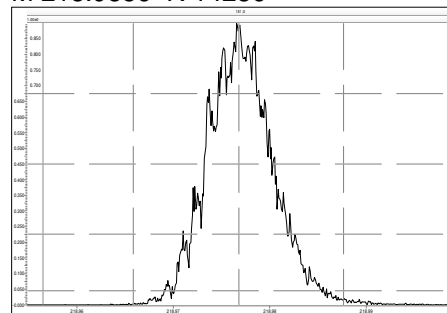
File: Experiment: pah.exp Reference: pah.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, March 05, 2024 10:07:10 Eastern Standard Time

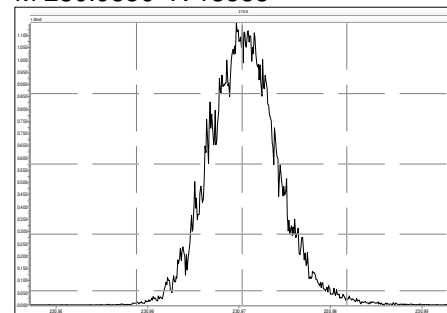
M 180.9888 R 14966



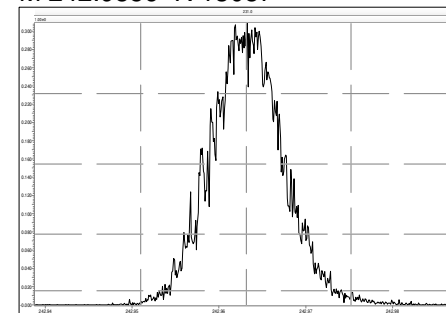
M 218.9856 R 14286



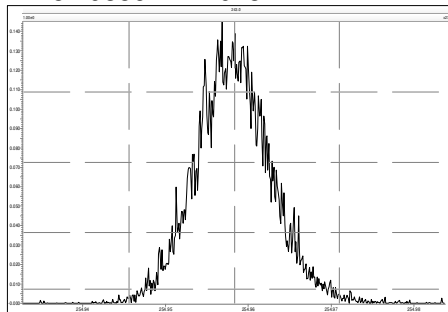
M 230.9856 R 13588



M 242.9856 R 13087



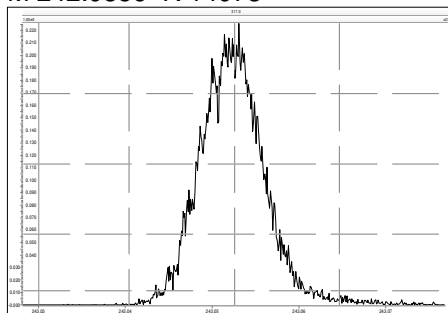
M 254.9856 R 12018



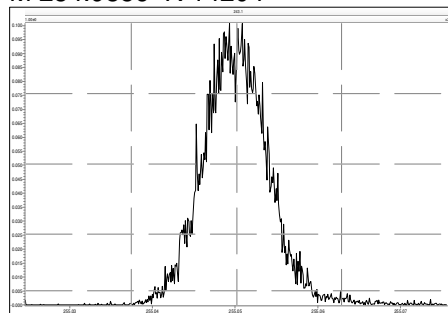
File: Experiment: pah.exp Reference: pah.ref Function: 4 @ 200 (ppm)

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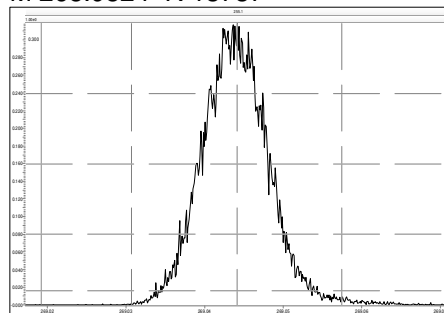
M 242.9856 R 14973



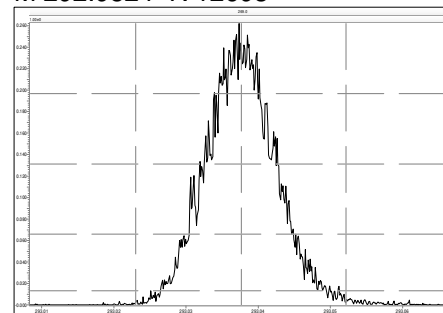
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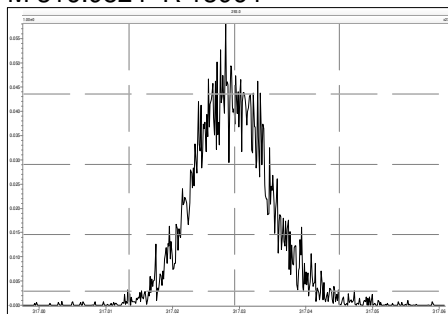
M 268.9824 R 13737



M 292.9824 R 12693

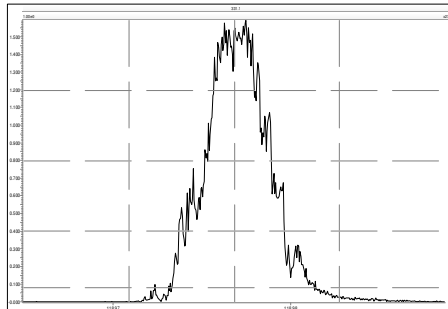


M 316.9824 R 13964

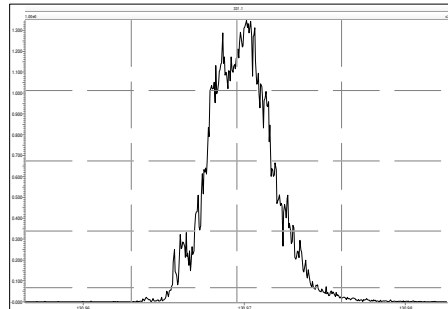


Printed: Tuesday, March 05, 2024 20:47:48 Eastern Standard Time

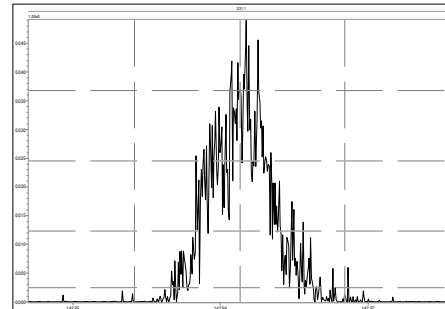
M 118.9920 R 15017



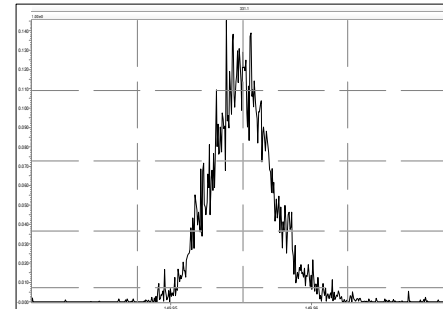
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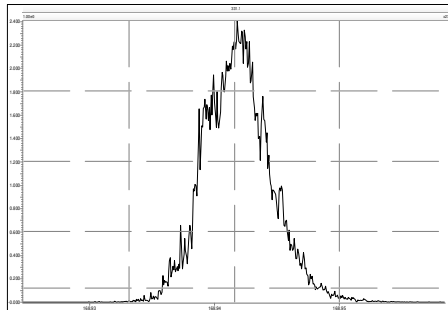
M 142.9920 R 17606



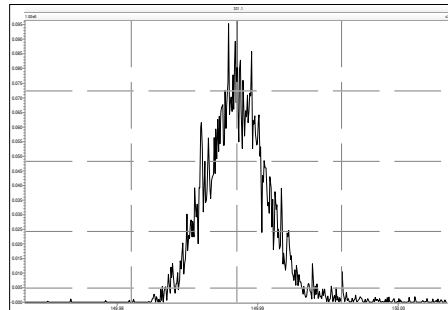
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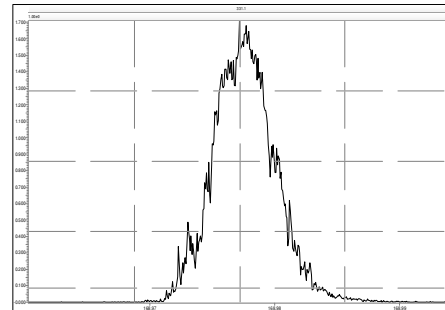
M 168.9888 R 13298



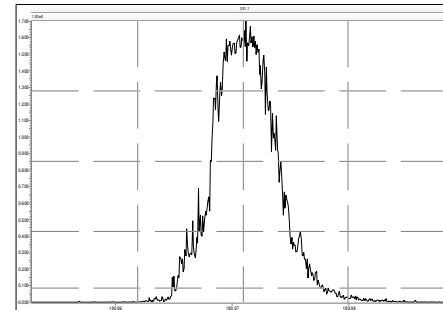
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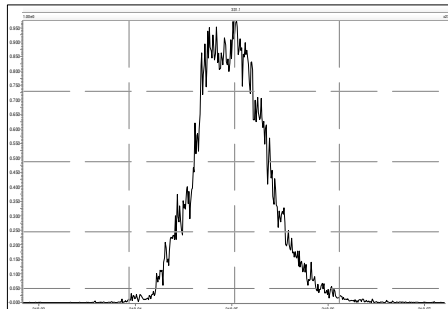
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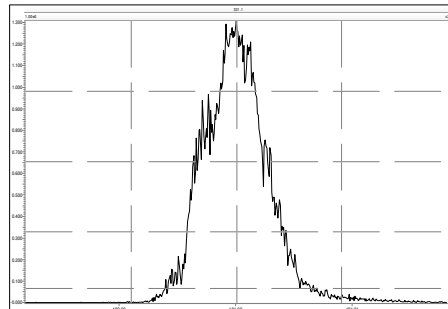
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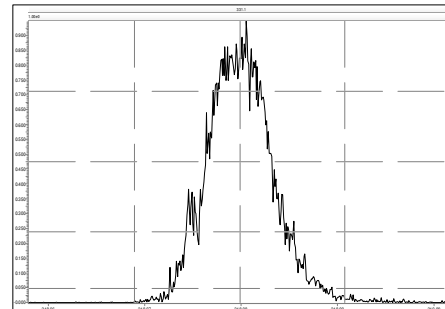
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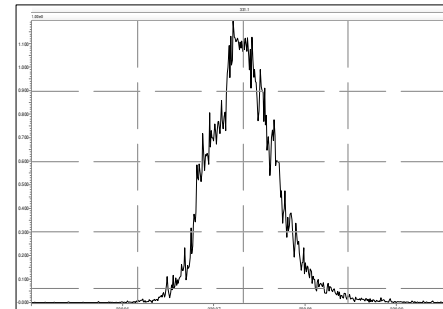
M 180.9888 R 14881



M 218.9856 R 14436

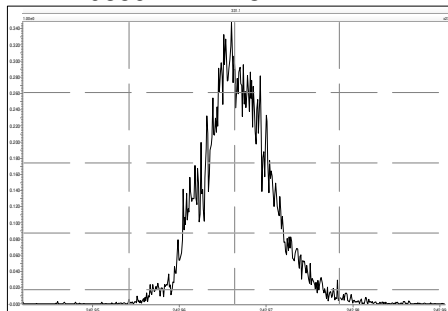


M 230.9856 R 14135

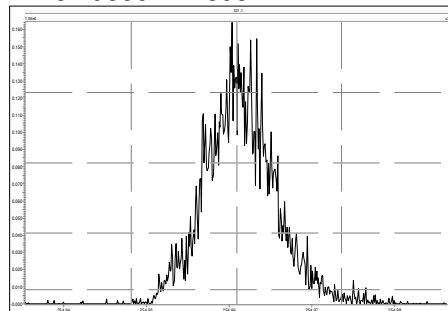


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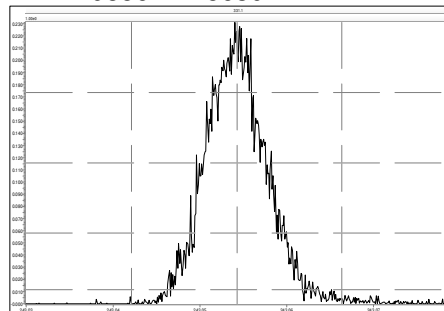
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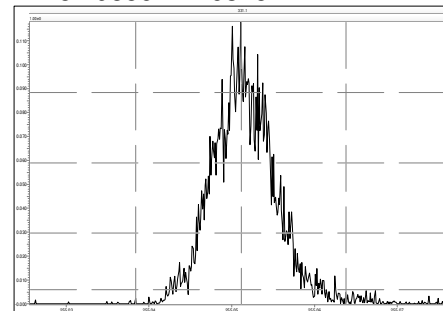
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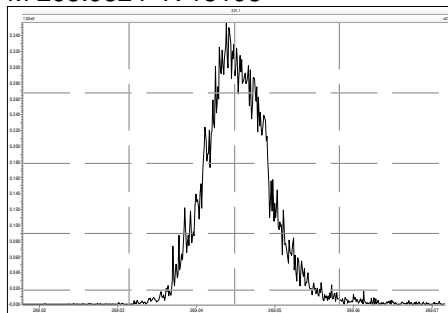
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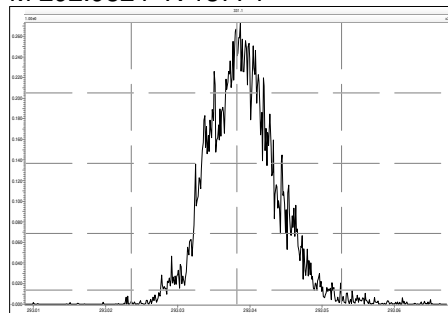
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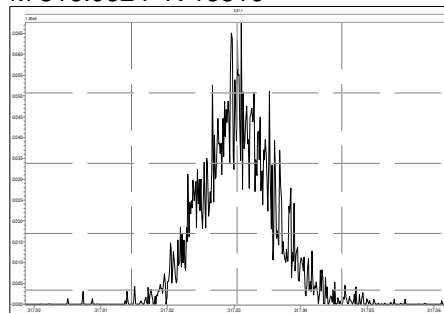
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M 292.9824 R 13774

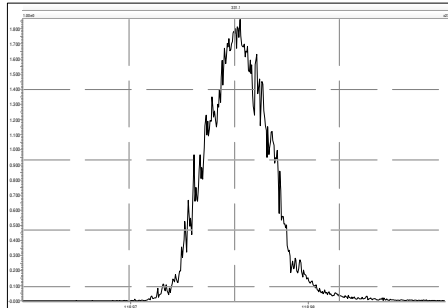


M 316.9824 R 15316

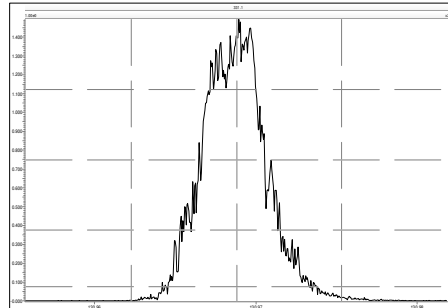


Printed: Tuesday, March 05, 2024 22:22:16 Eastern Standard Time

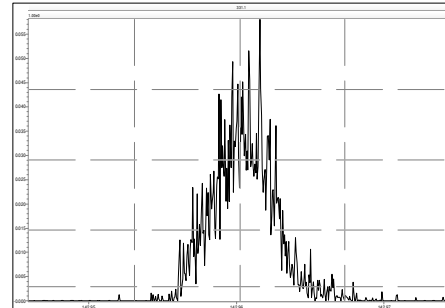
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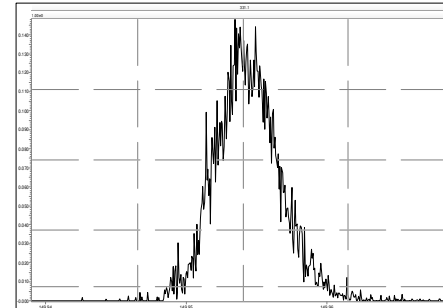
M 130.9920 R 14931



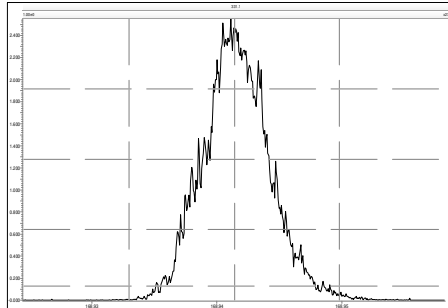
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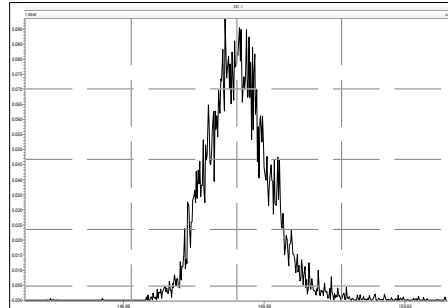
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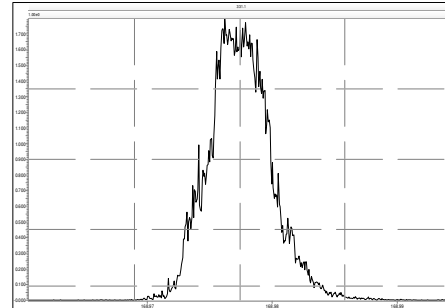
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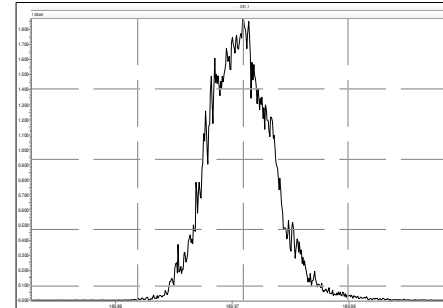
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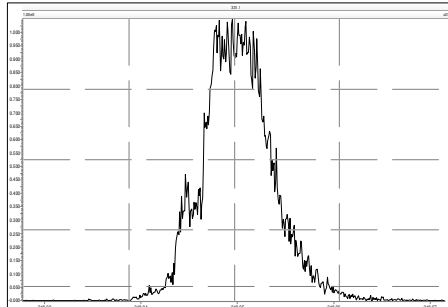
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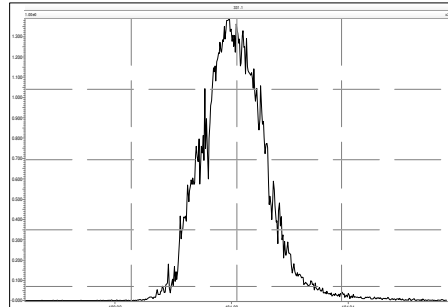
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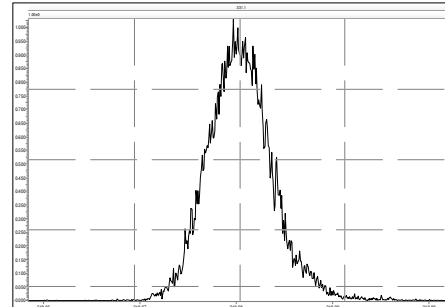
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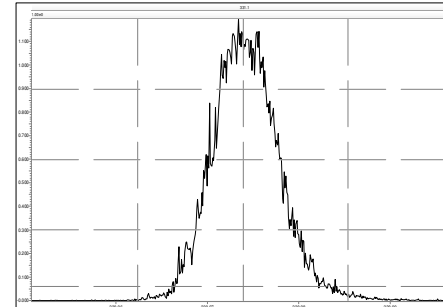
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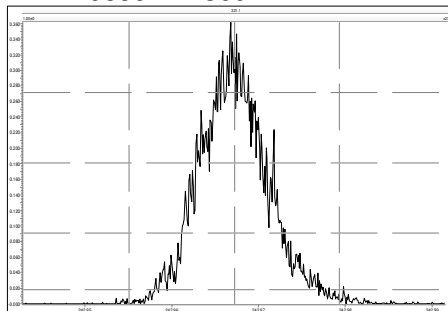


M 230.9856 R 14215

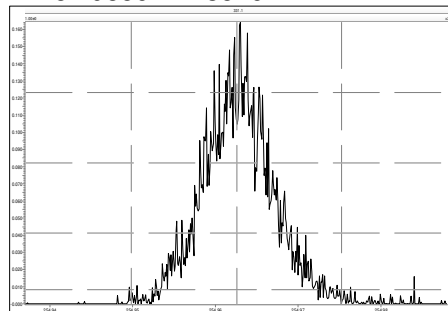


Printed: Tuesday, March 05, 2024 22:22:16 Eastern Standard Time

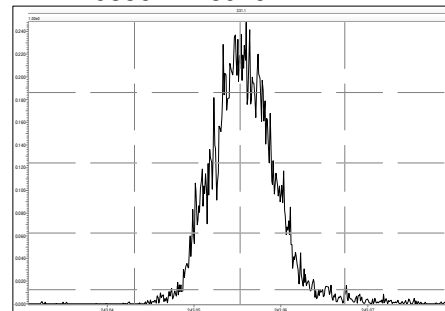
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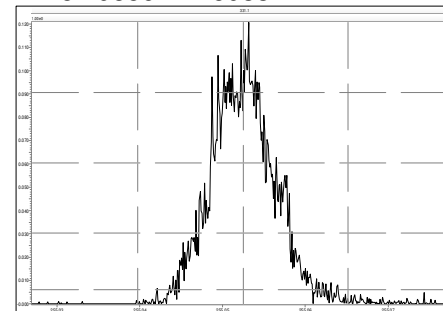
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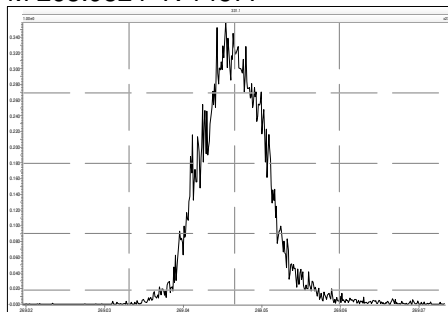
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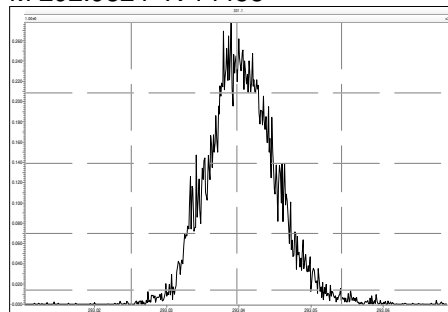
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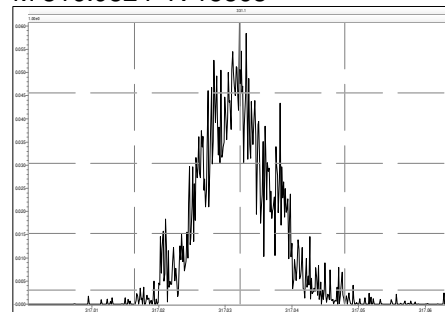
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M 292.9824 R 14458



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
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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
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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
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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
 Acquired: 3-May-24 07:36:12
 Datafile: 240503B03

ICAL: HRMS2_PCB_03MAY2024

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



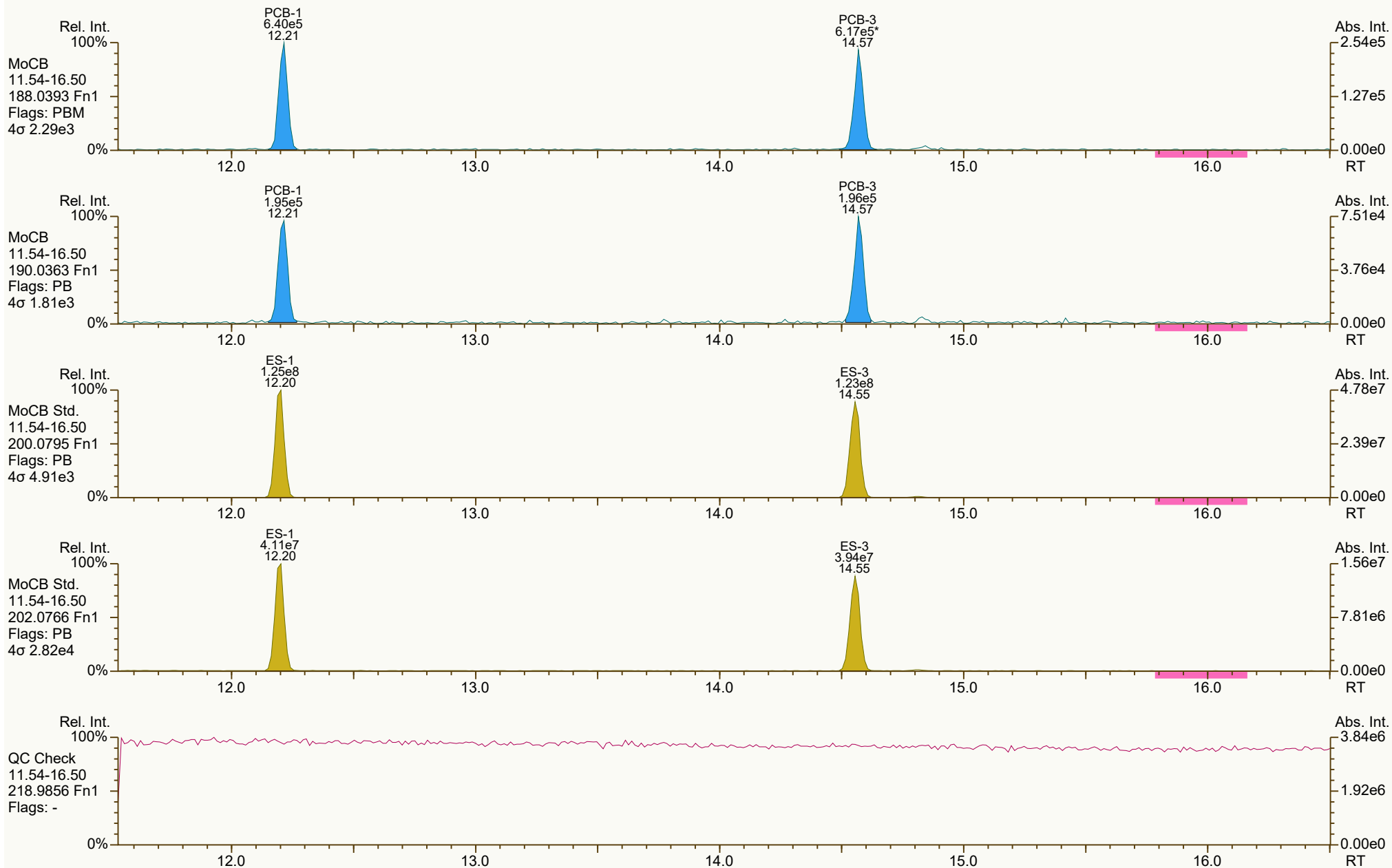
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 945-260

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



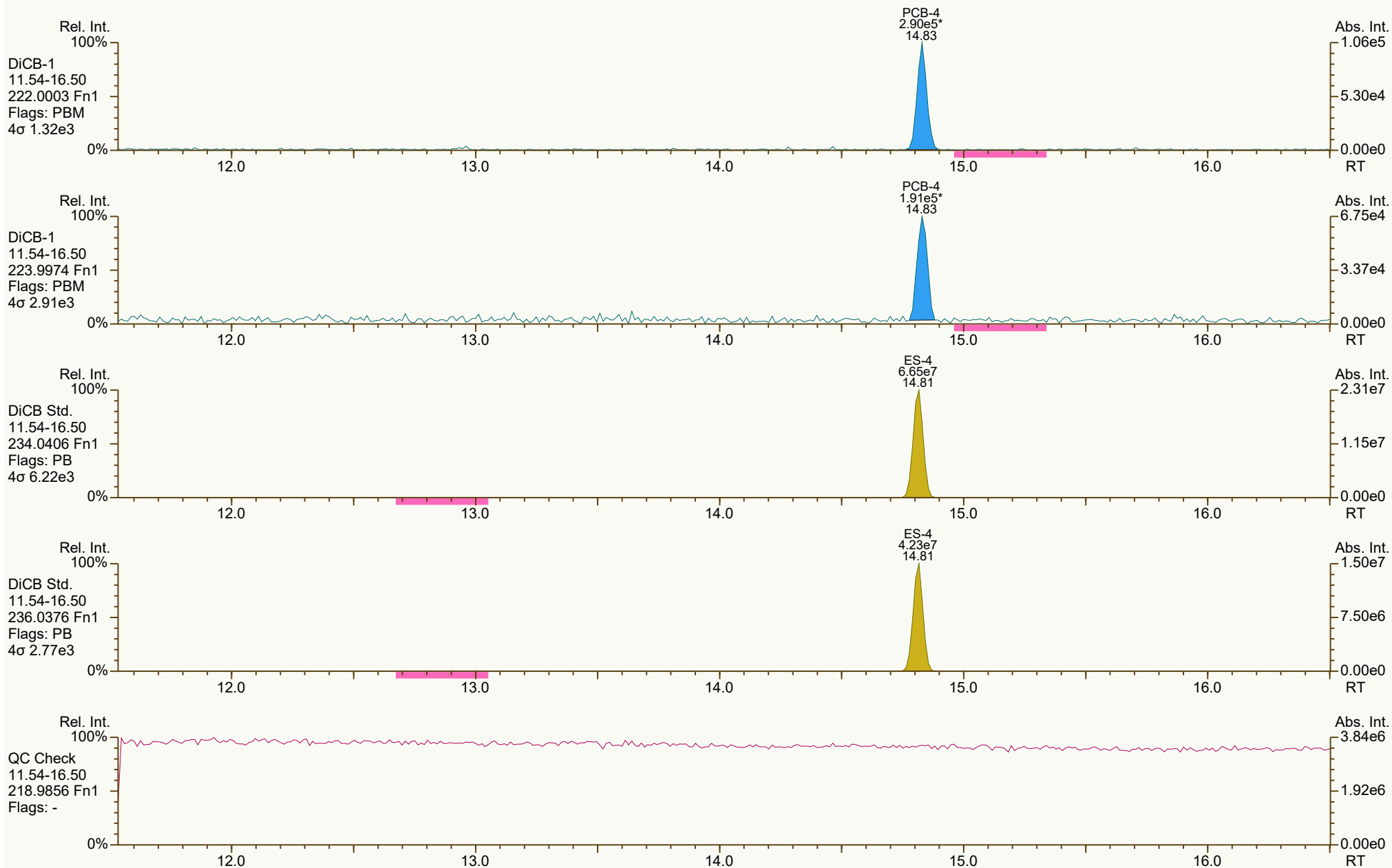
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1004, 9129 scc: 945-260

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
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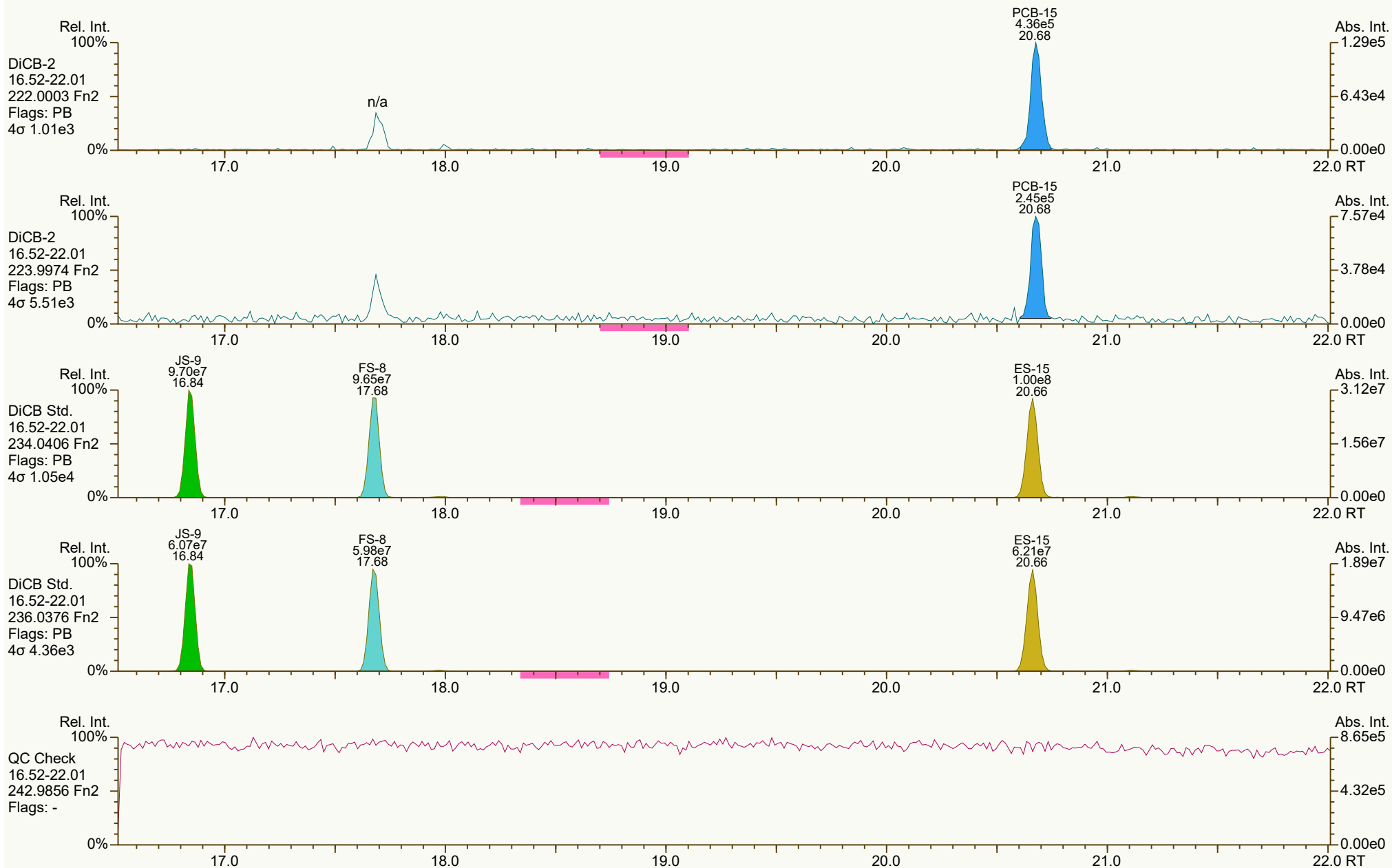
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:41 (JHL) Printed: 08-May-2024 10:42 Page 3 of 21

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
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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
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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



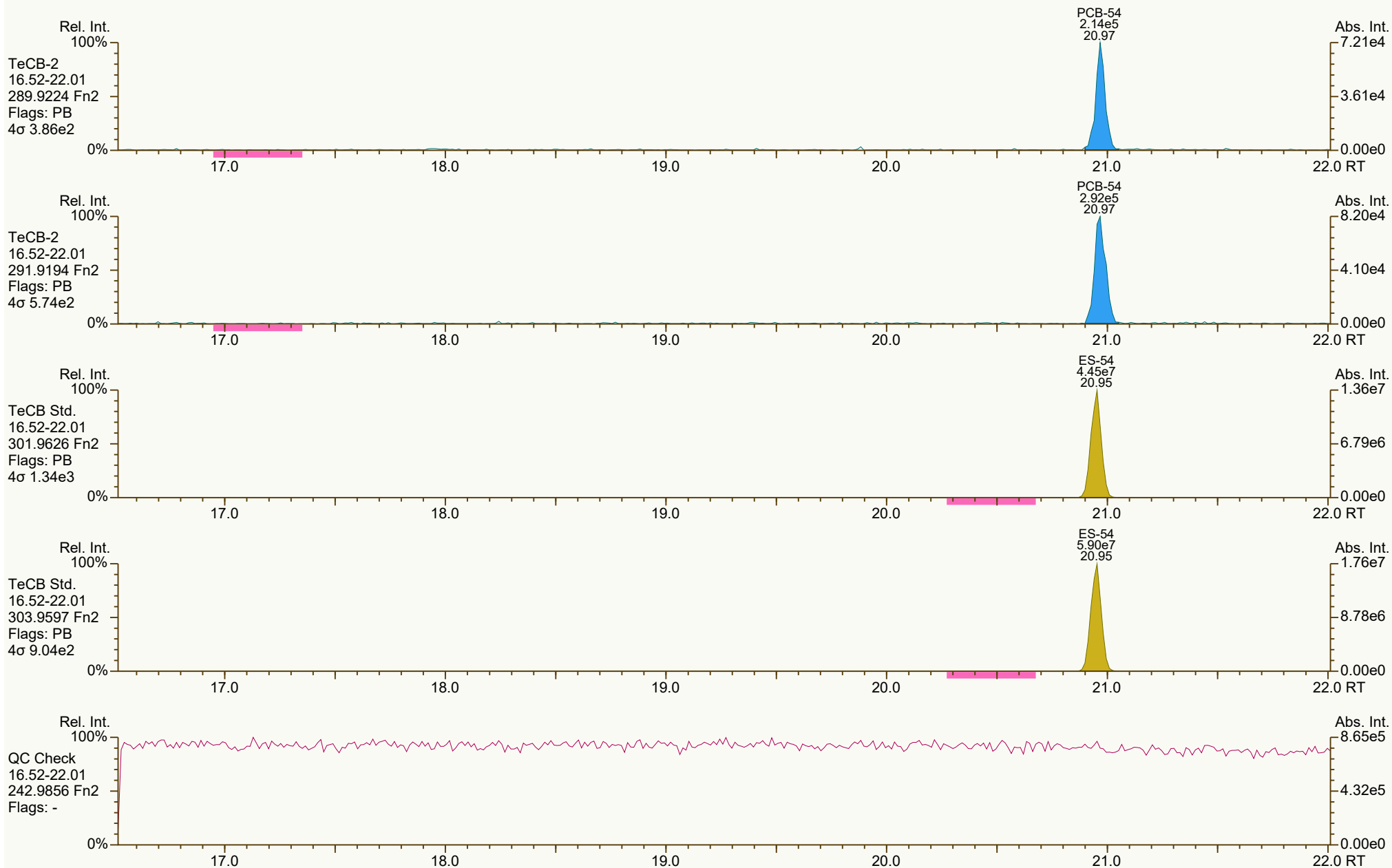
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 6 of 21

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
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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

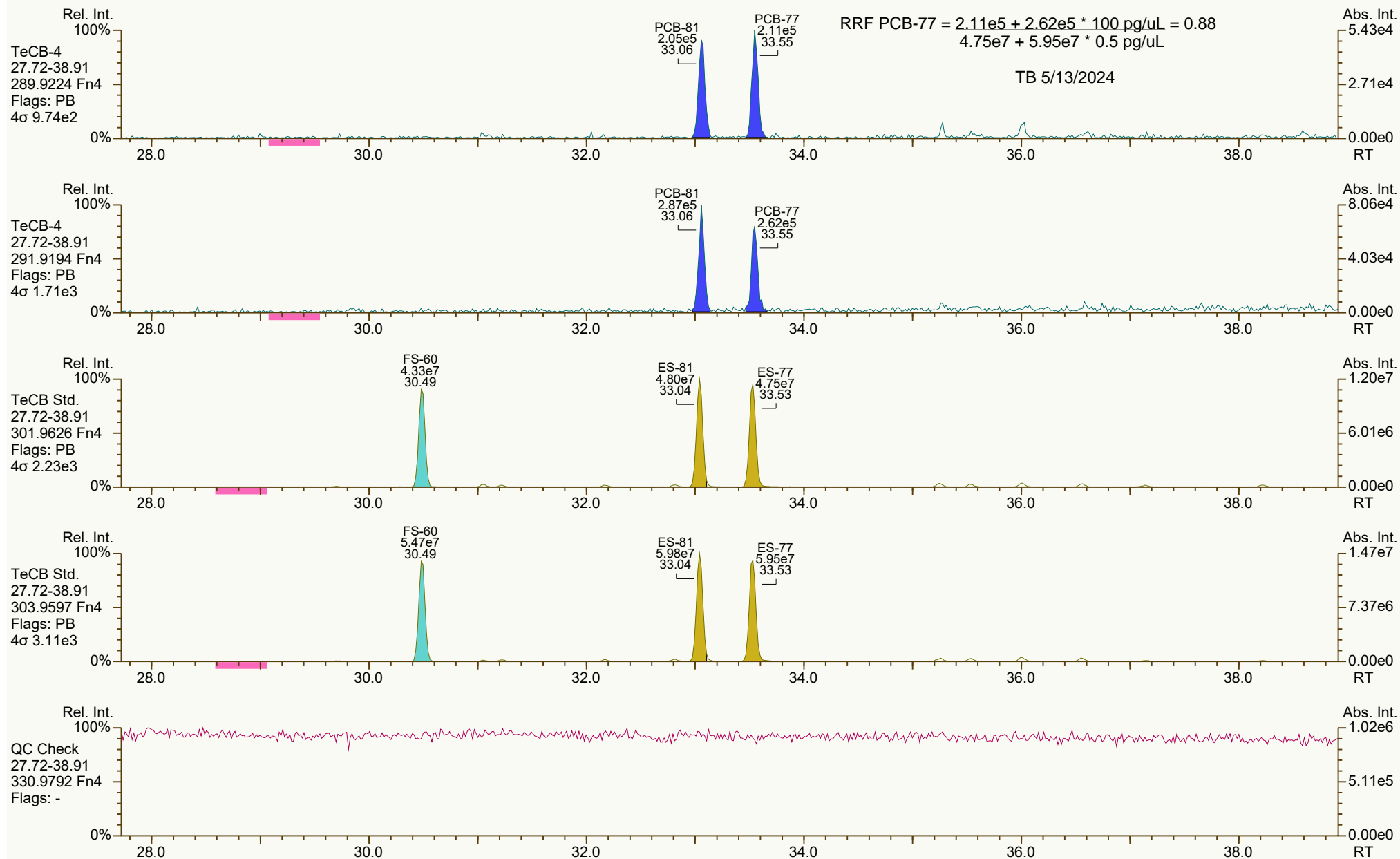
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SGS ID: CS0_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 1

Acq: 03-May-2024 07:36:12
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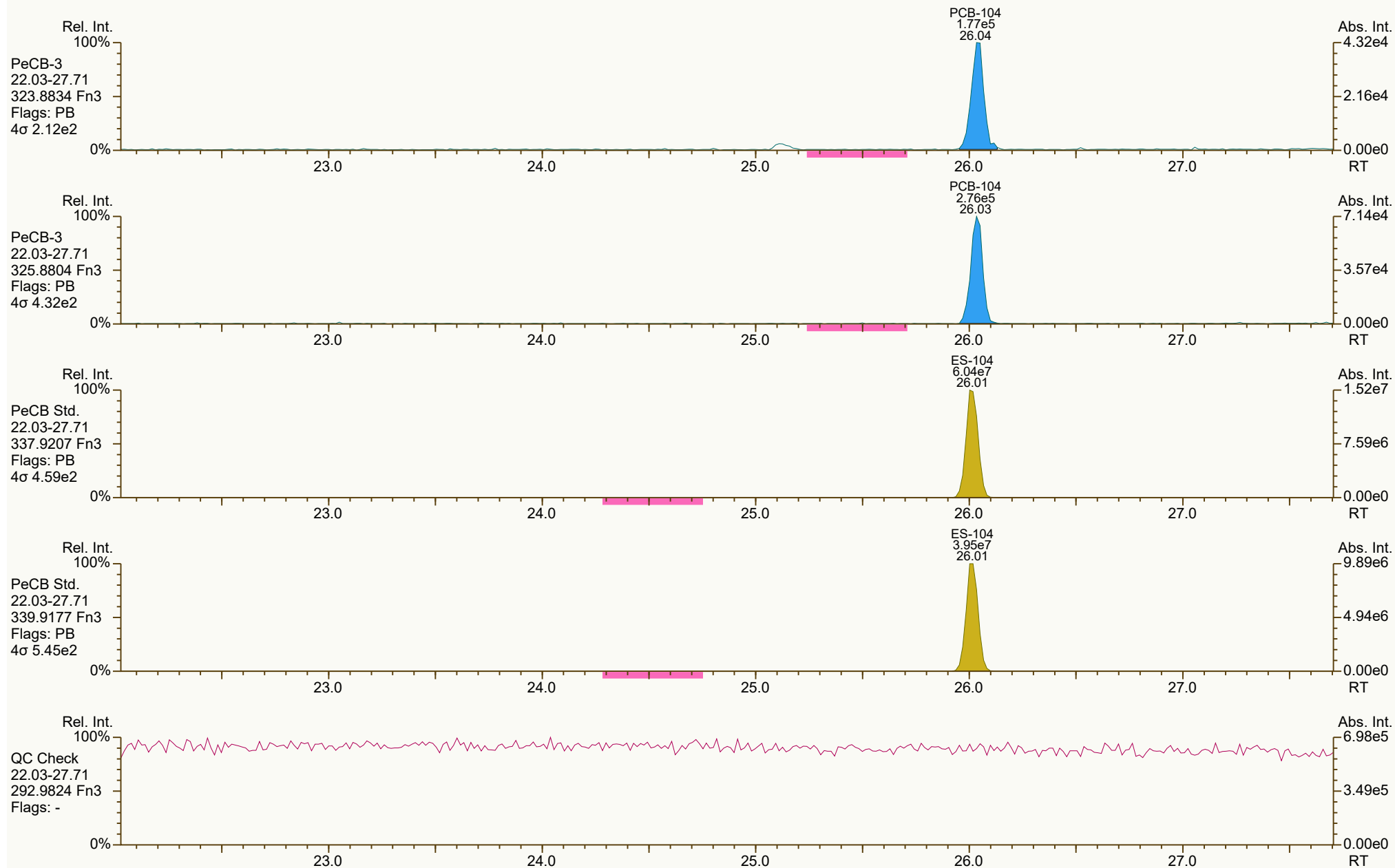
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 9 of 21

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
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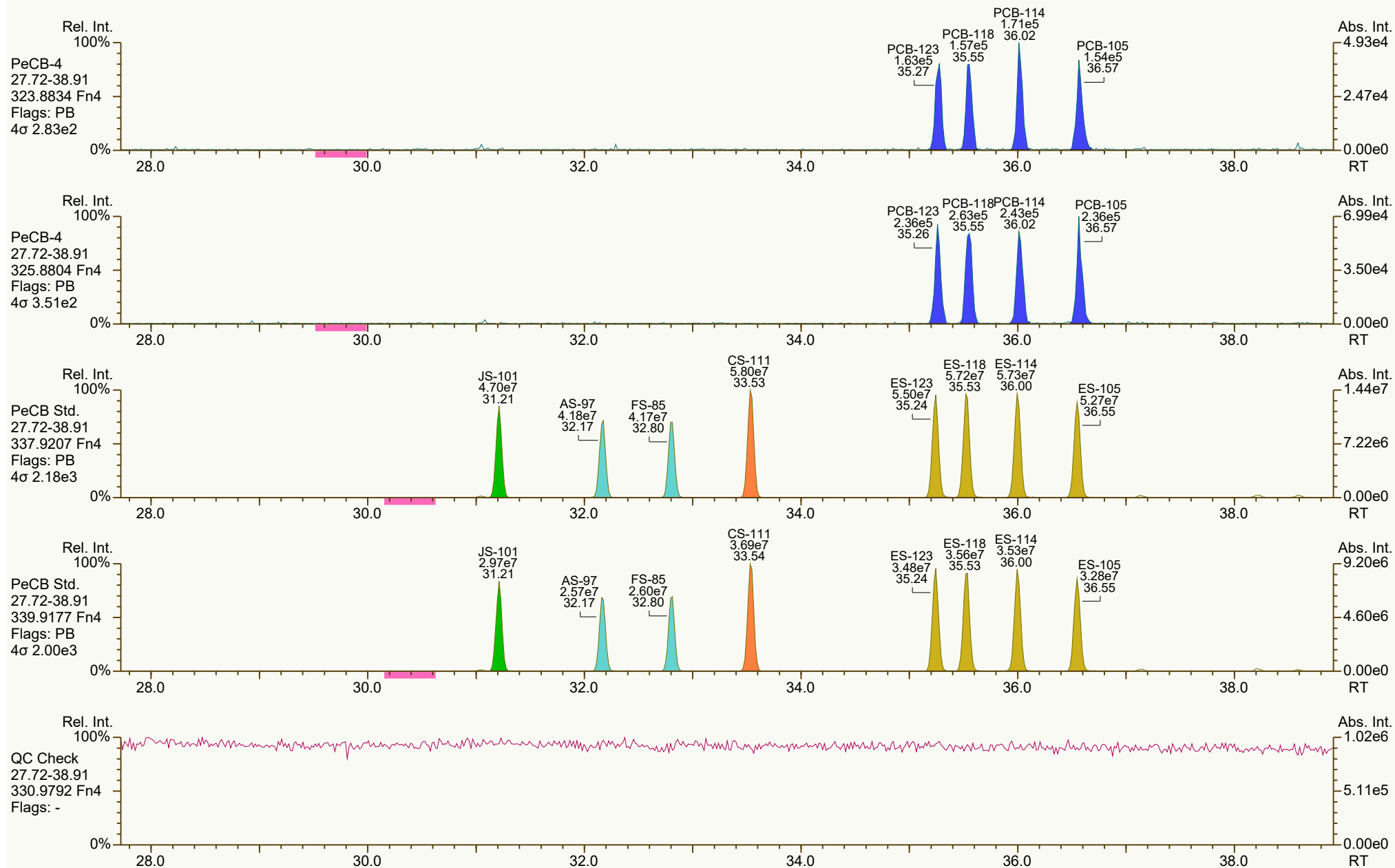
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Peak annotation: Areas, Centroids
Revised: 03-May-2024 11:40 (PSW) Printed: 08-May-2024 10:42 Page 10 of 21

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
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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
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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
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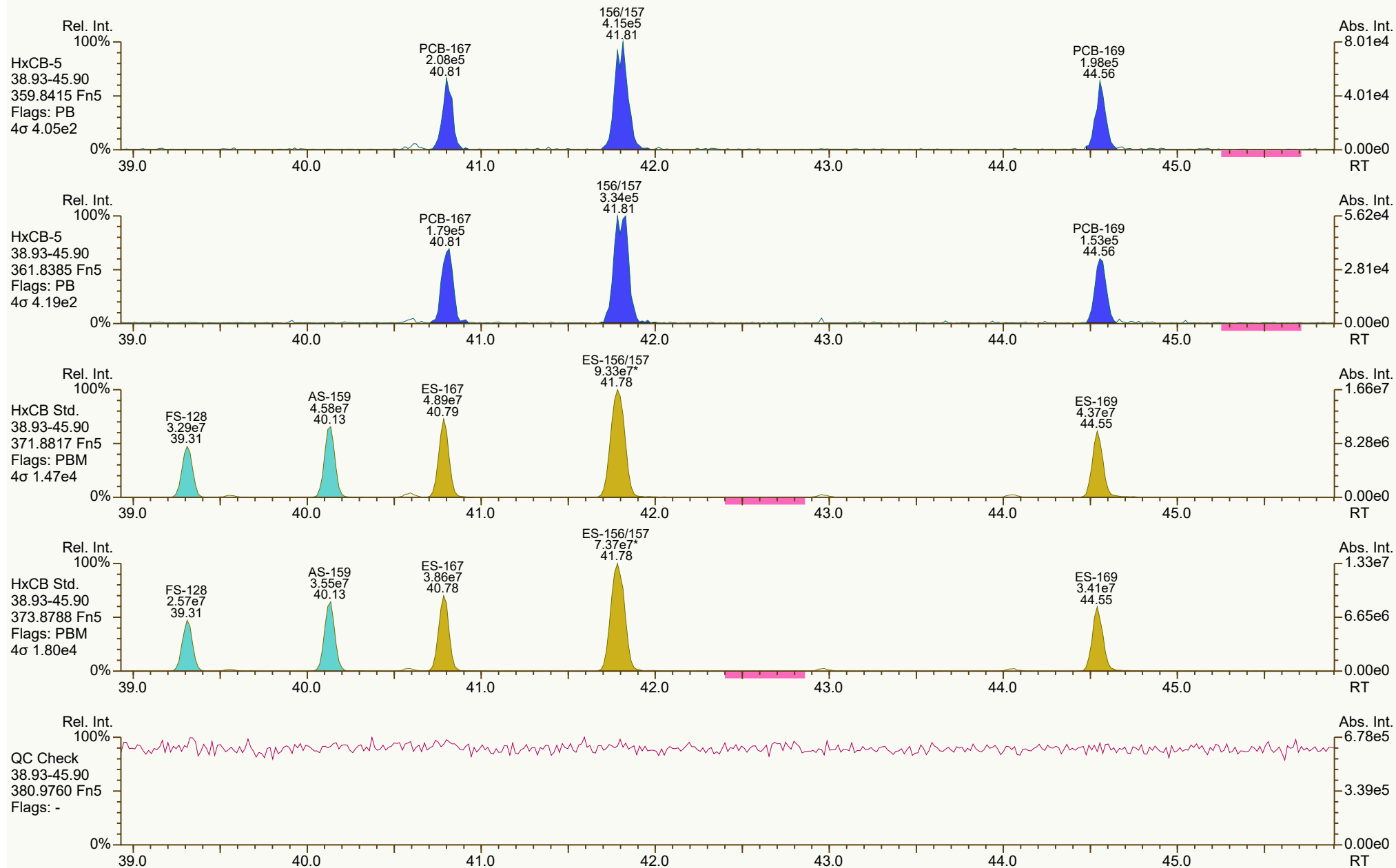
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 13 of 21

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
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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
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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
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Acq: 03-May-2024 07:36:12
User: PSW Datafile: 240503B03



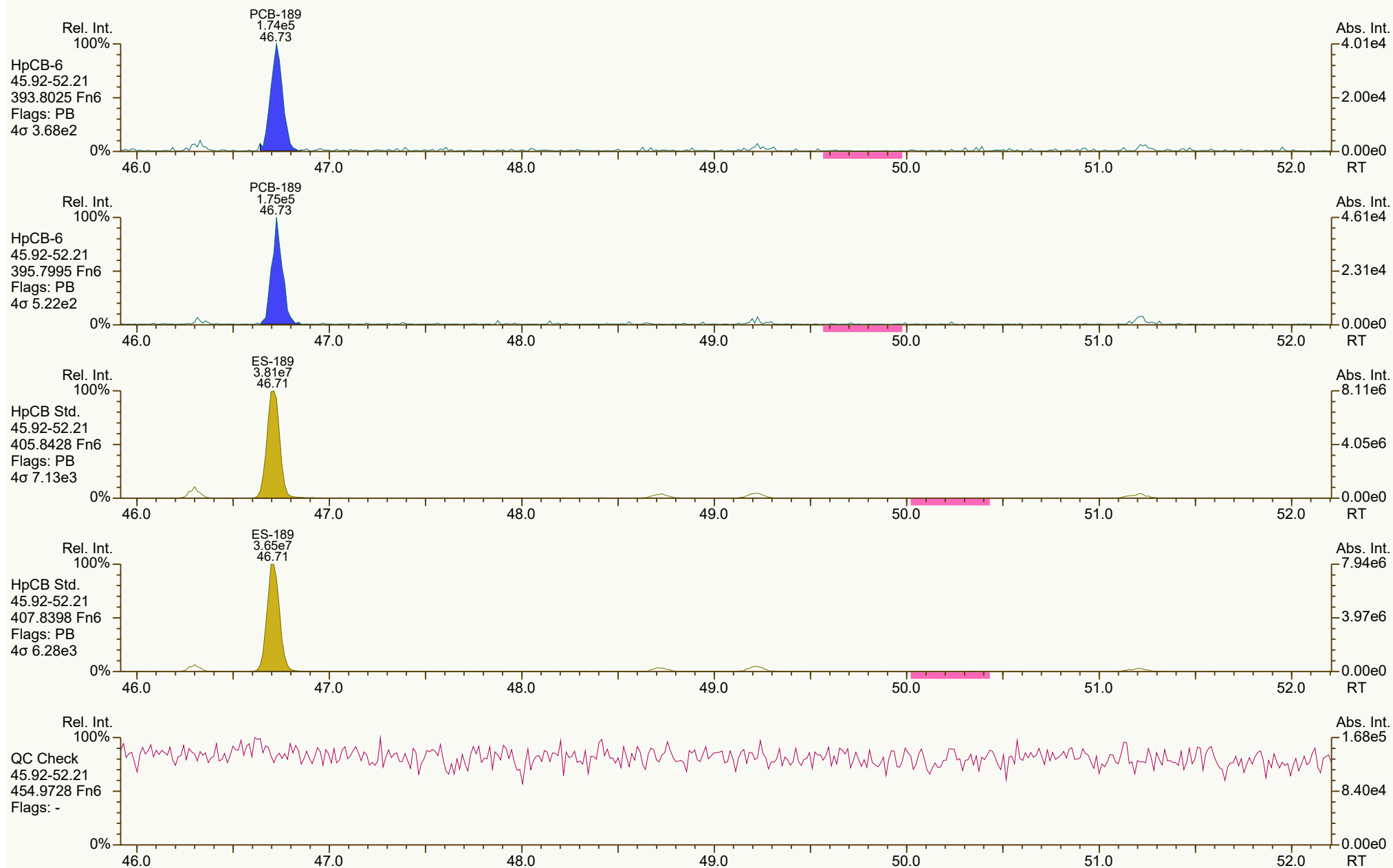
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 5200, 2338 scc: 945-260

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



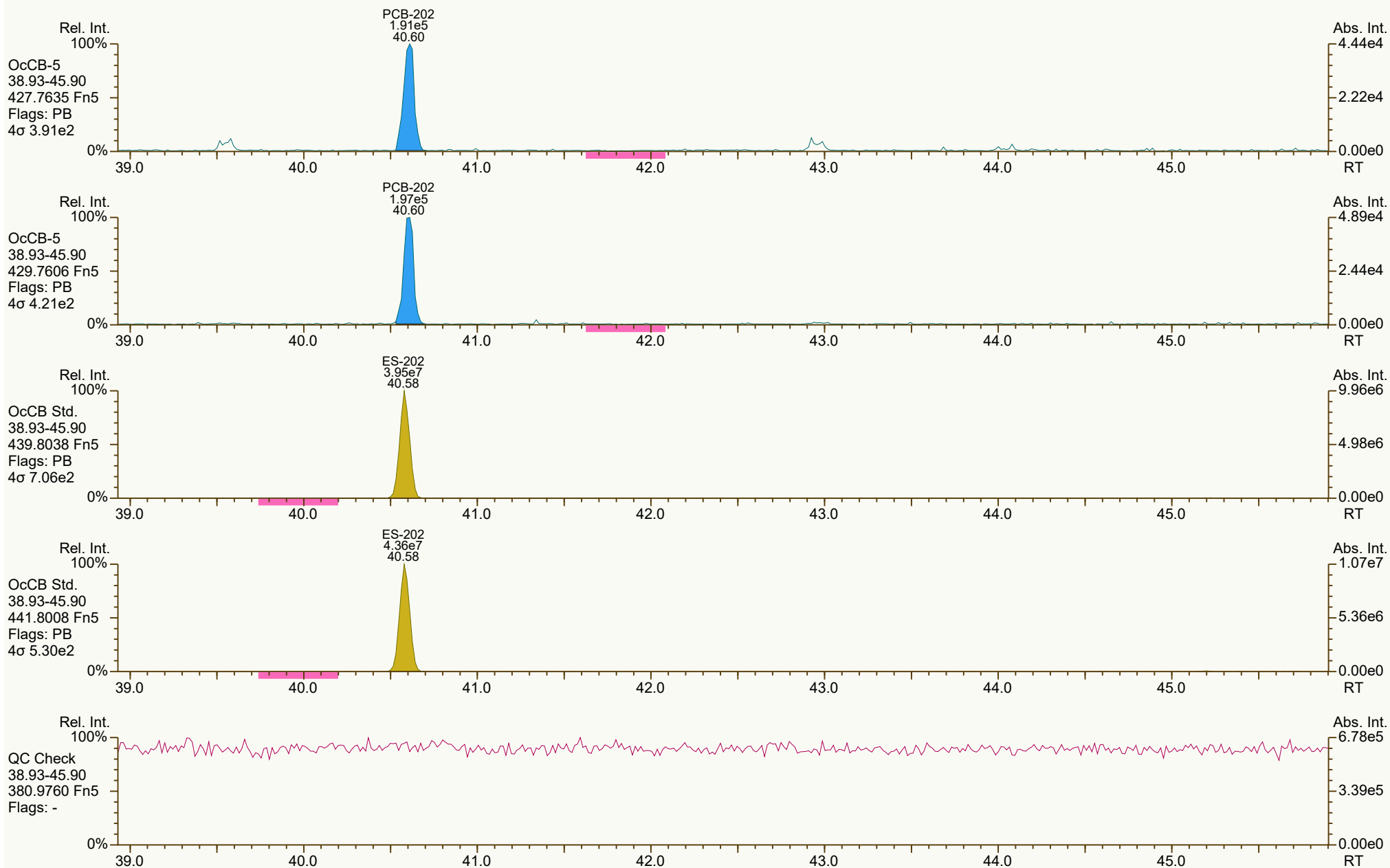
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9342, 6059 scc: 945-260

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
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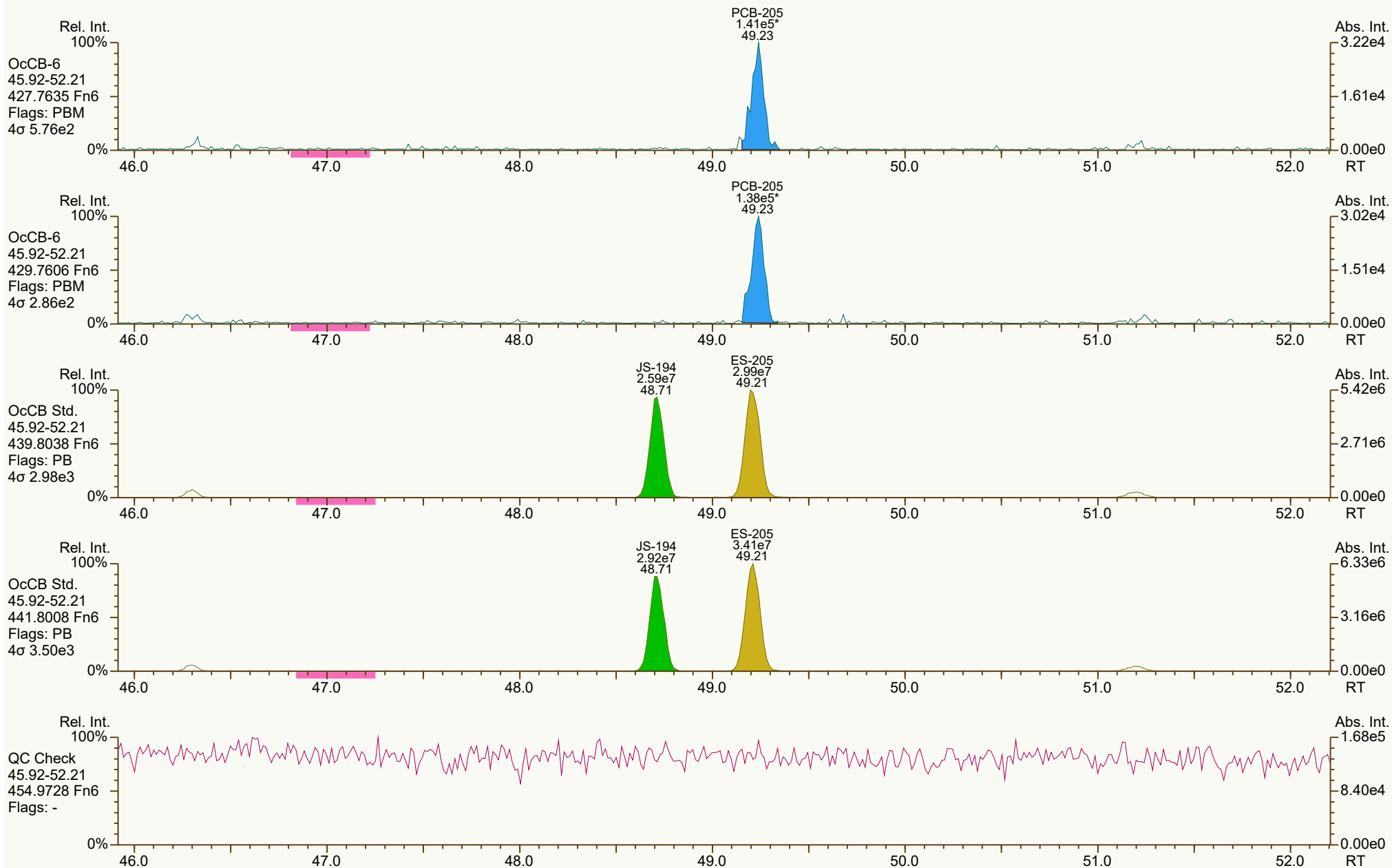
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 18 of 21

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
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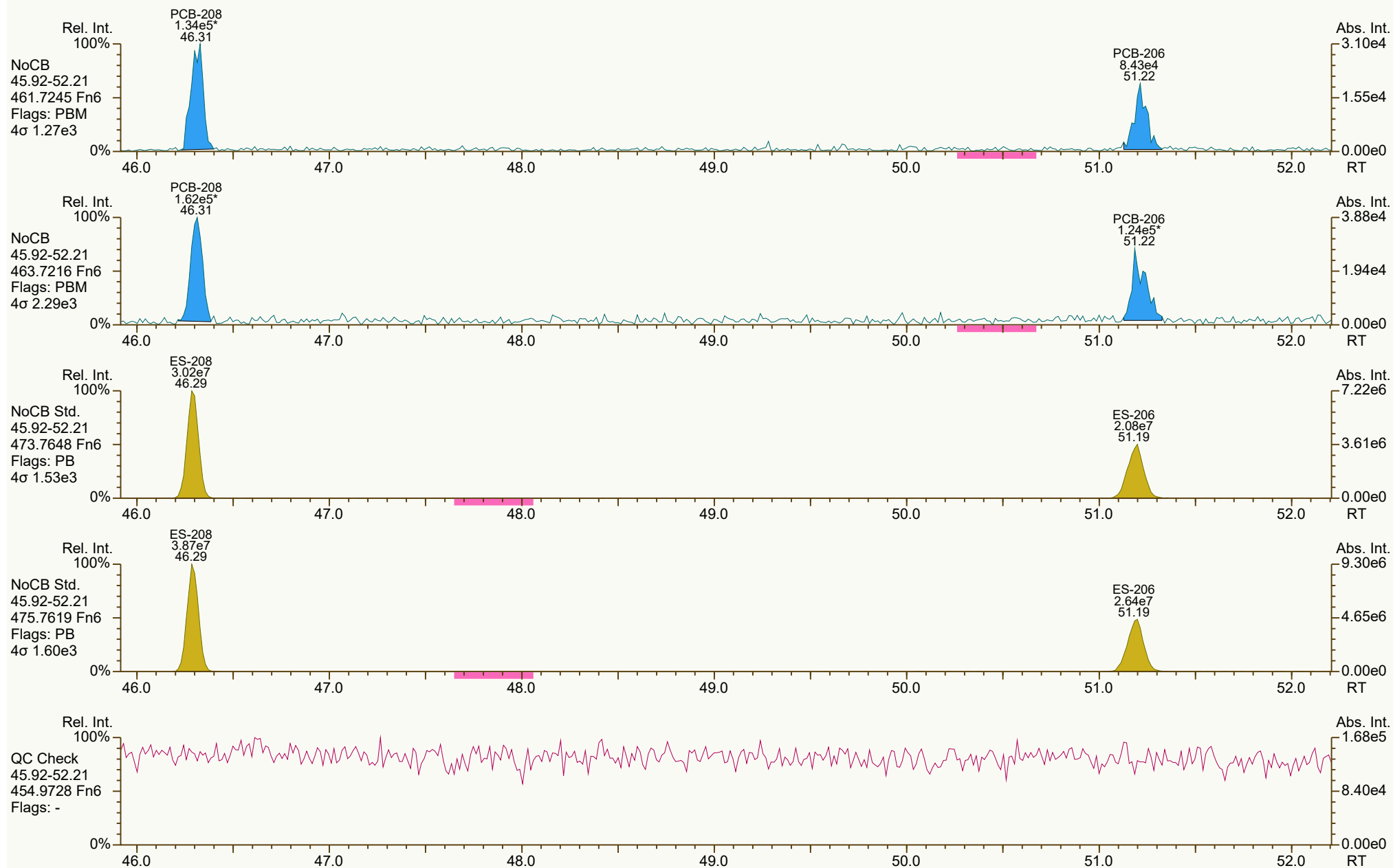
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 19 of 21

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



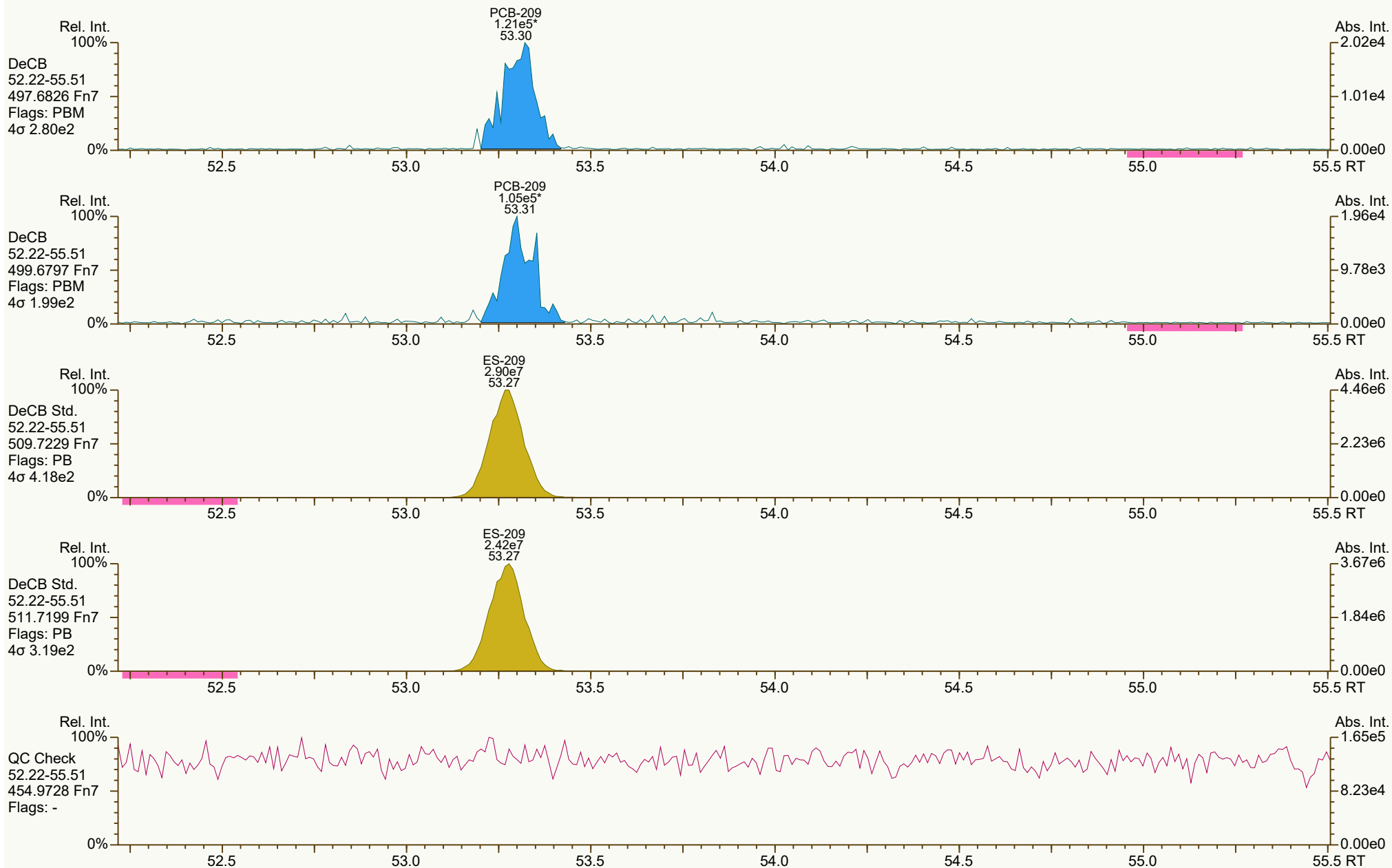
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 11:42 Printed: 08-May-2024 10:42 Page 20 of 21

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



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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

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 Acquired: 3-May-24 08:46:39
 Datafile: 240503B04

ICAL: HRMS2_PCB_03MAY2024

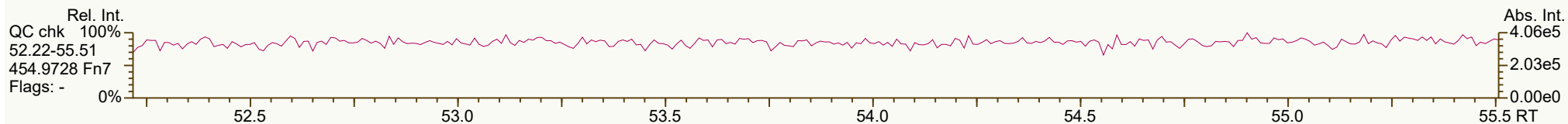
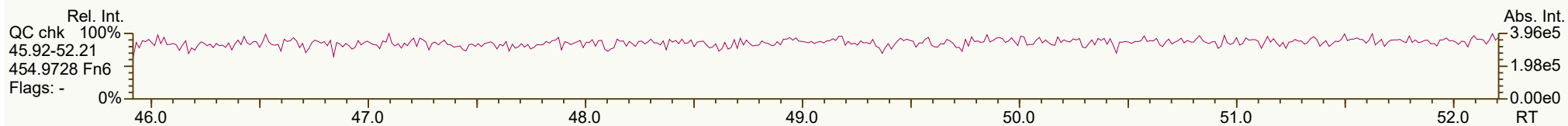
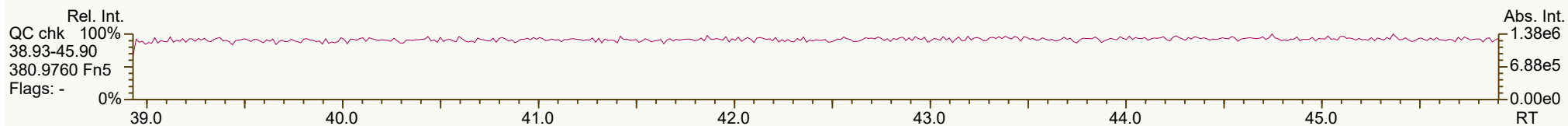
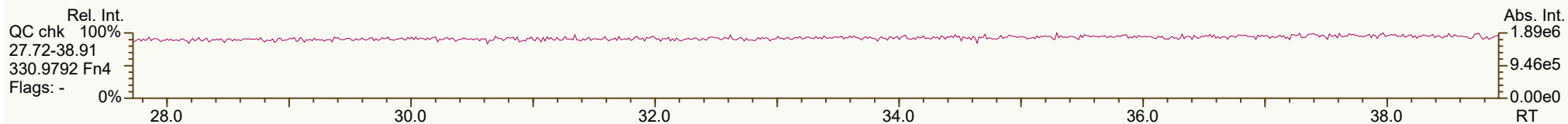
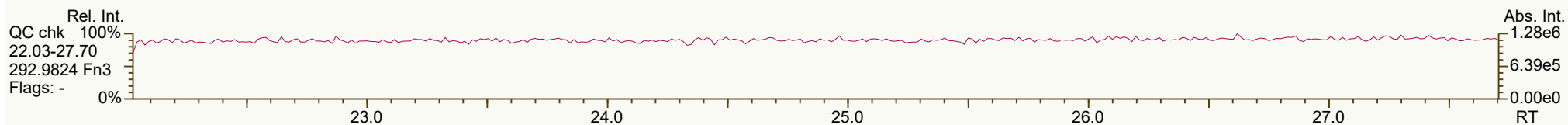
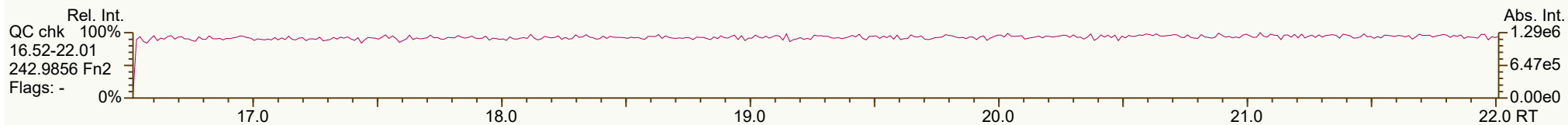
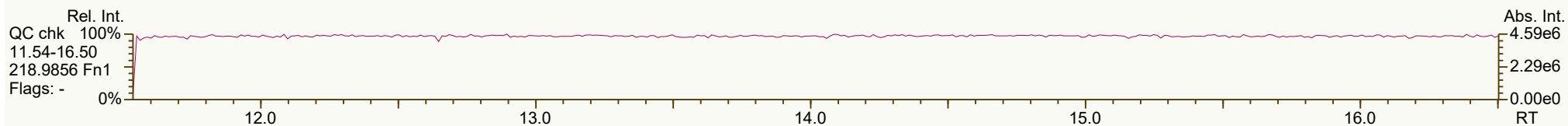
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PCB-77 33'44'-TeCB	33.55	7.05E+05	0.81 Y	0.95	0.84	-11.1%
PCB-81 344'5'-TeCB	33.06	7.52E+05	0.79 Y	0.94	0.86	-8.9%
PCB-105 233'44'-PeCB	36.58	6.19E+05	0.62 Y	0.97	0.88	-9.1%
PCB-114 2344'5'-PeCB	36.02	6.23E+05	0.68 Y	0.96	0.84	-12.2%
PCB-118 23'44'5'-PeCB	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



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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



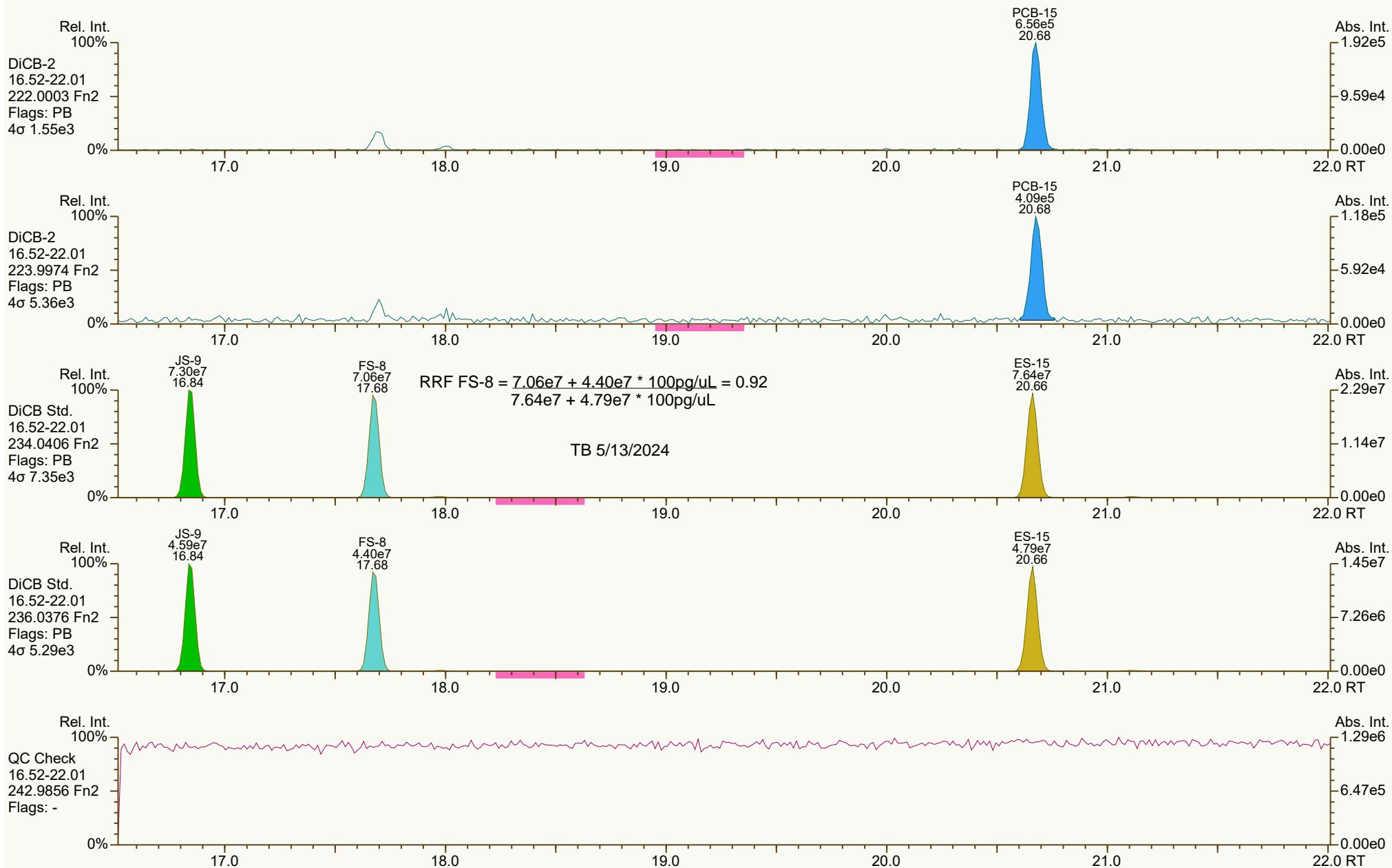
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Peak annotation: Areas, Centroids
Revised: 03-May-2024 12:49 (JHL) Printed: 08-May-2024 10:42 Page 3 of 21

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



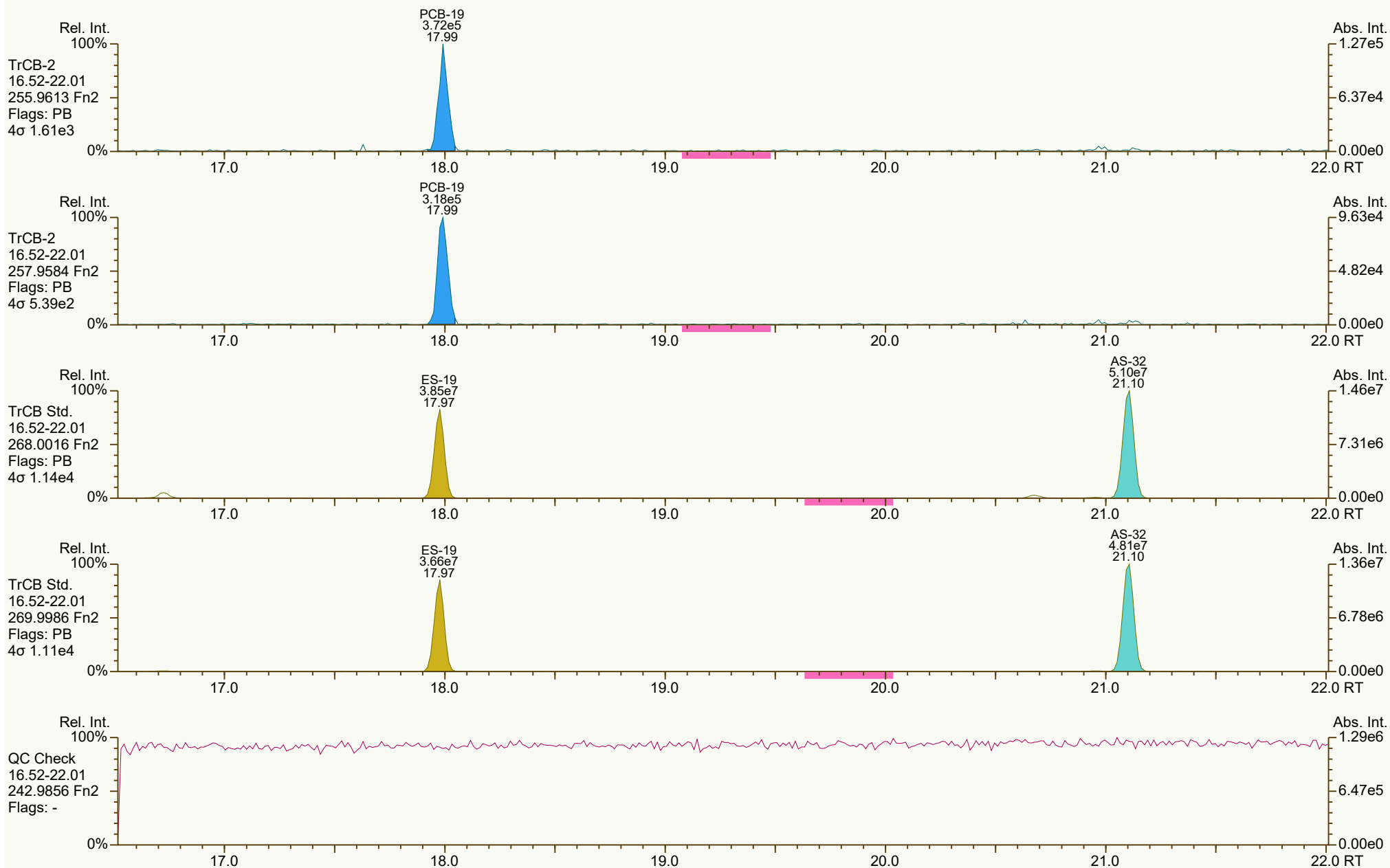
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 4 of 21

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
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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
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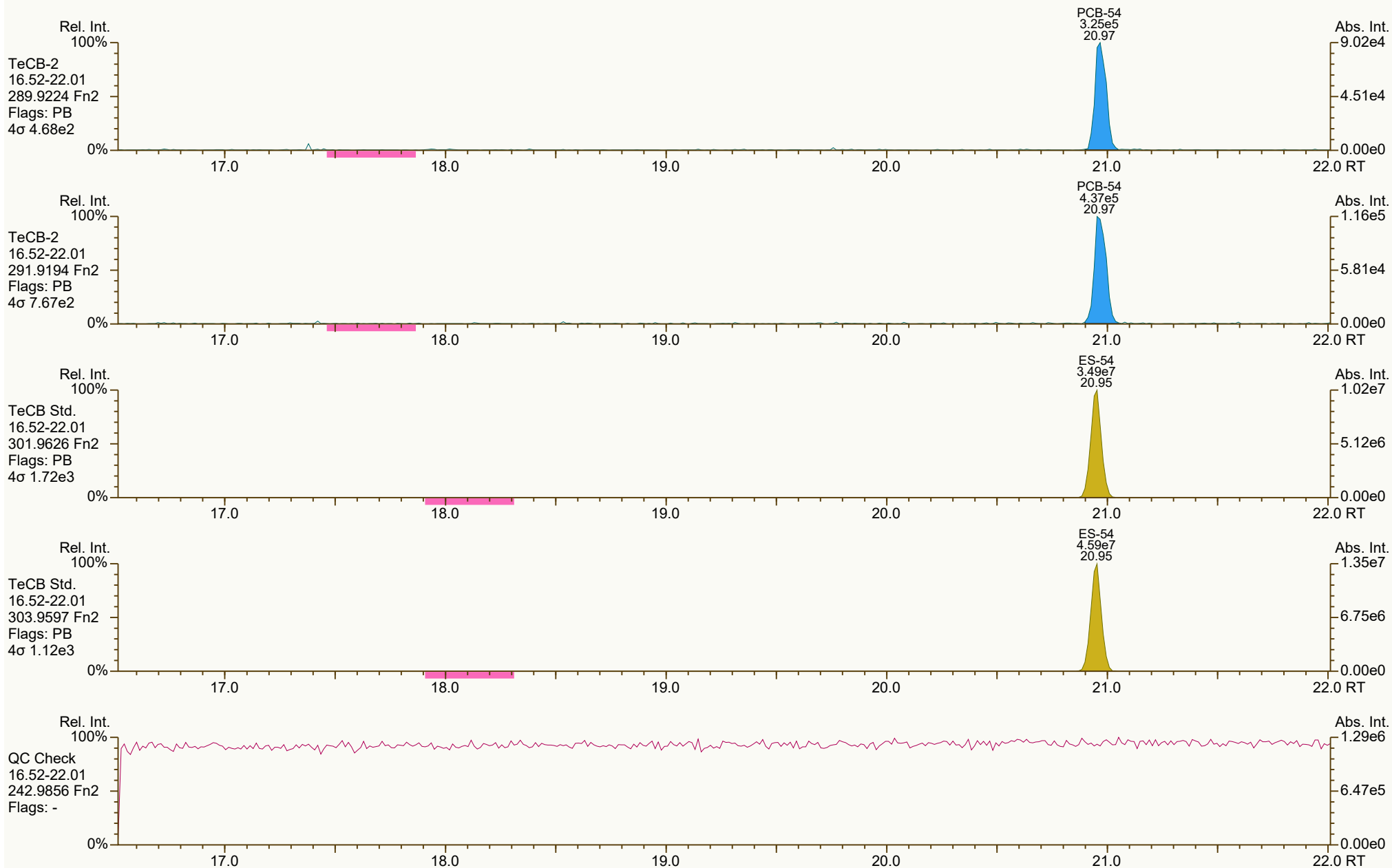
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1826, 1869 scc: 535-685

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



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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
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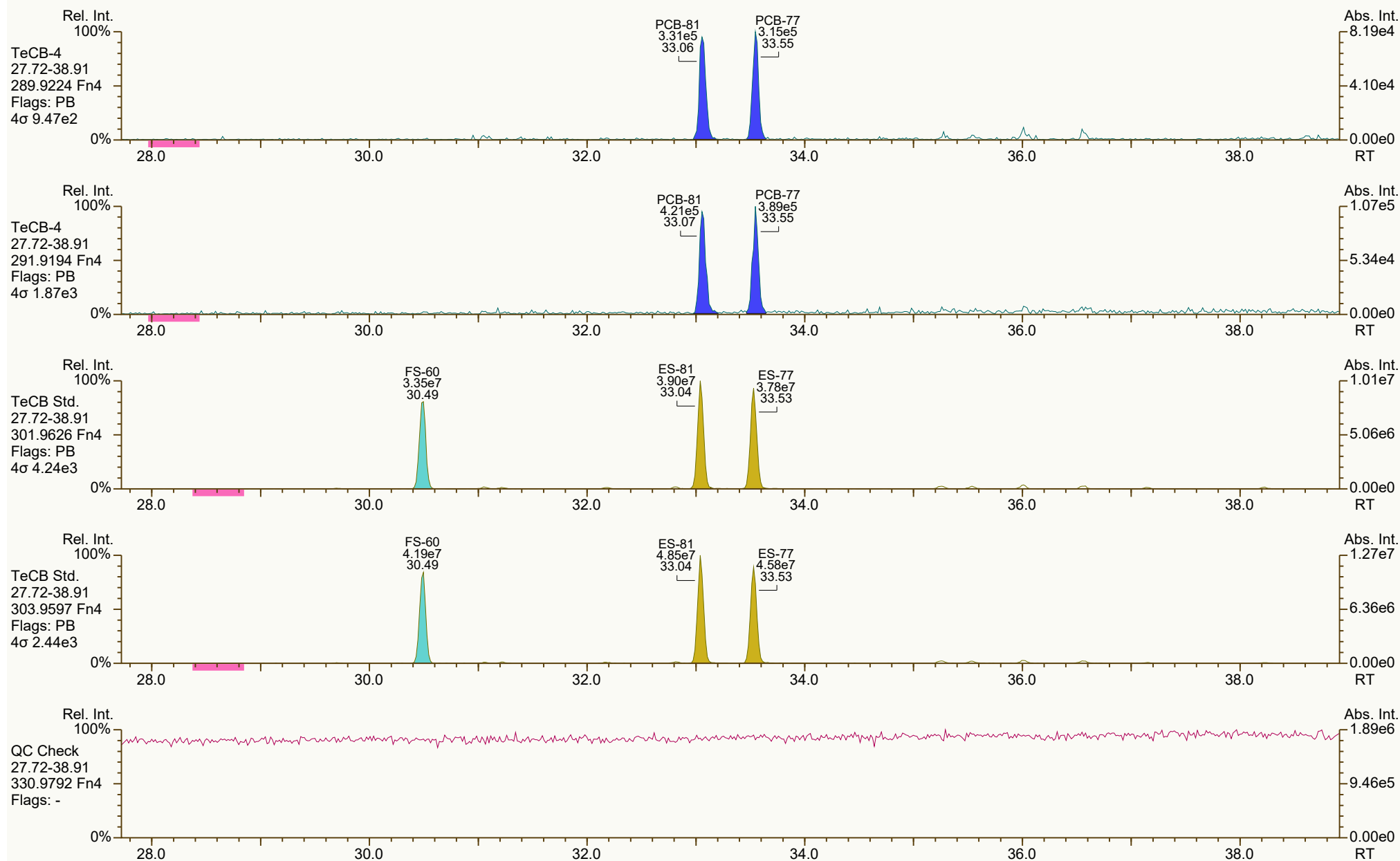
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 8 of 21

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

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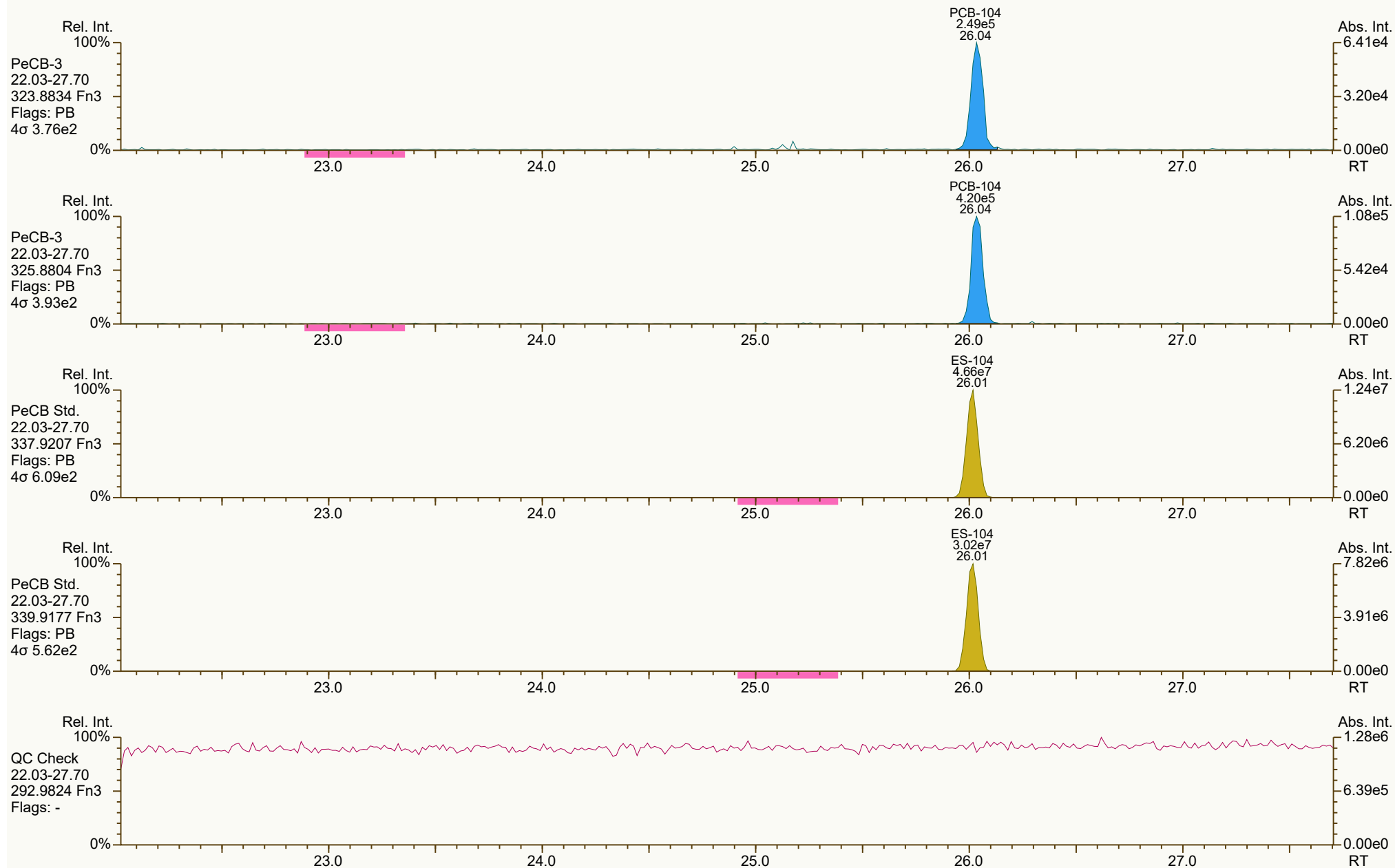
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 9 of 21

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

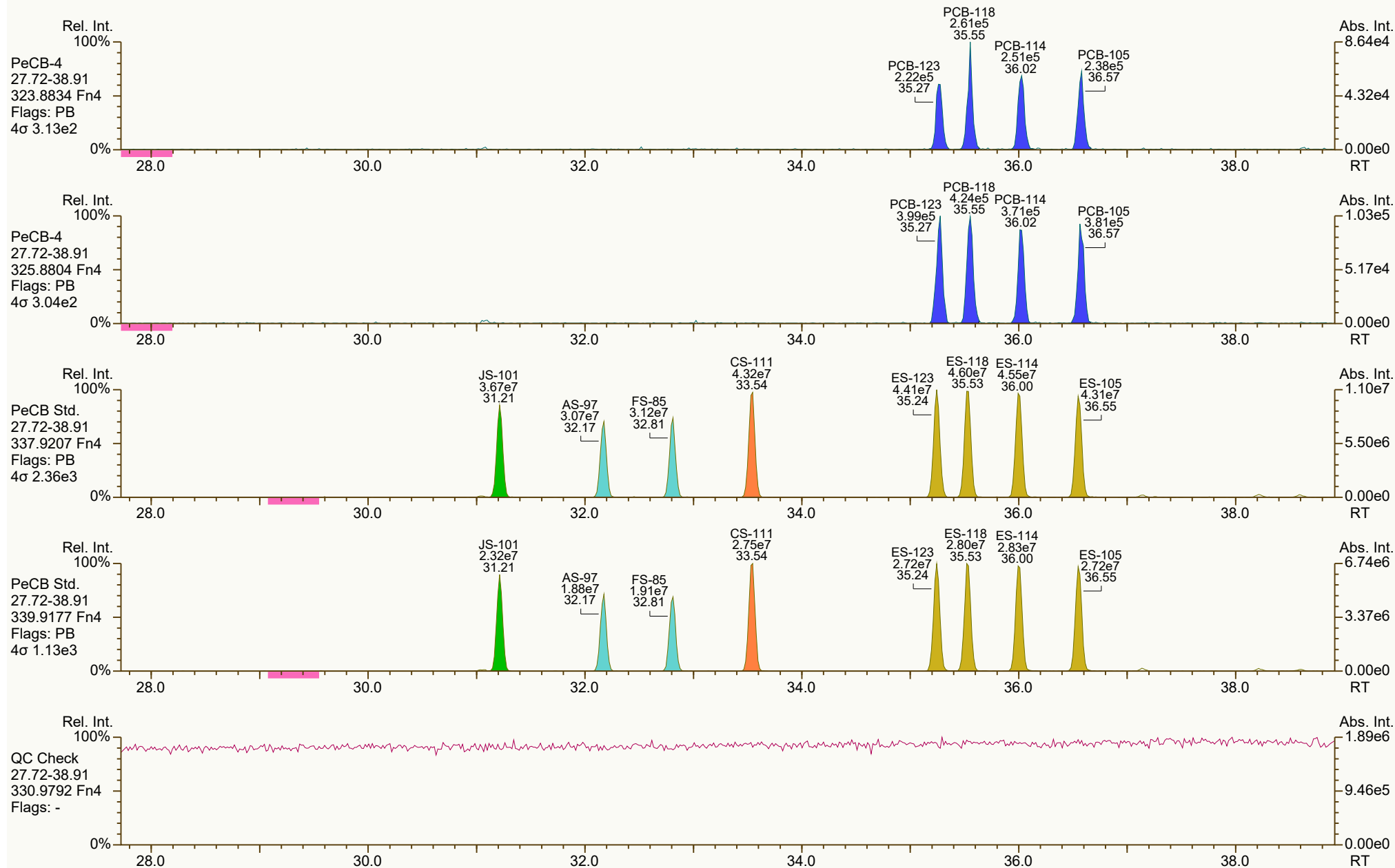
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SGS ID: CS1_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-2
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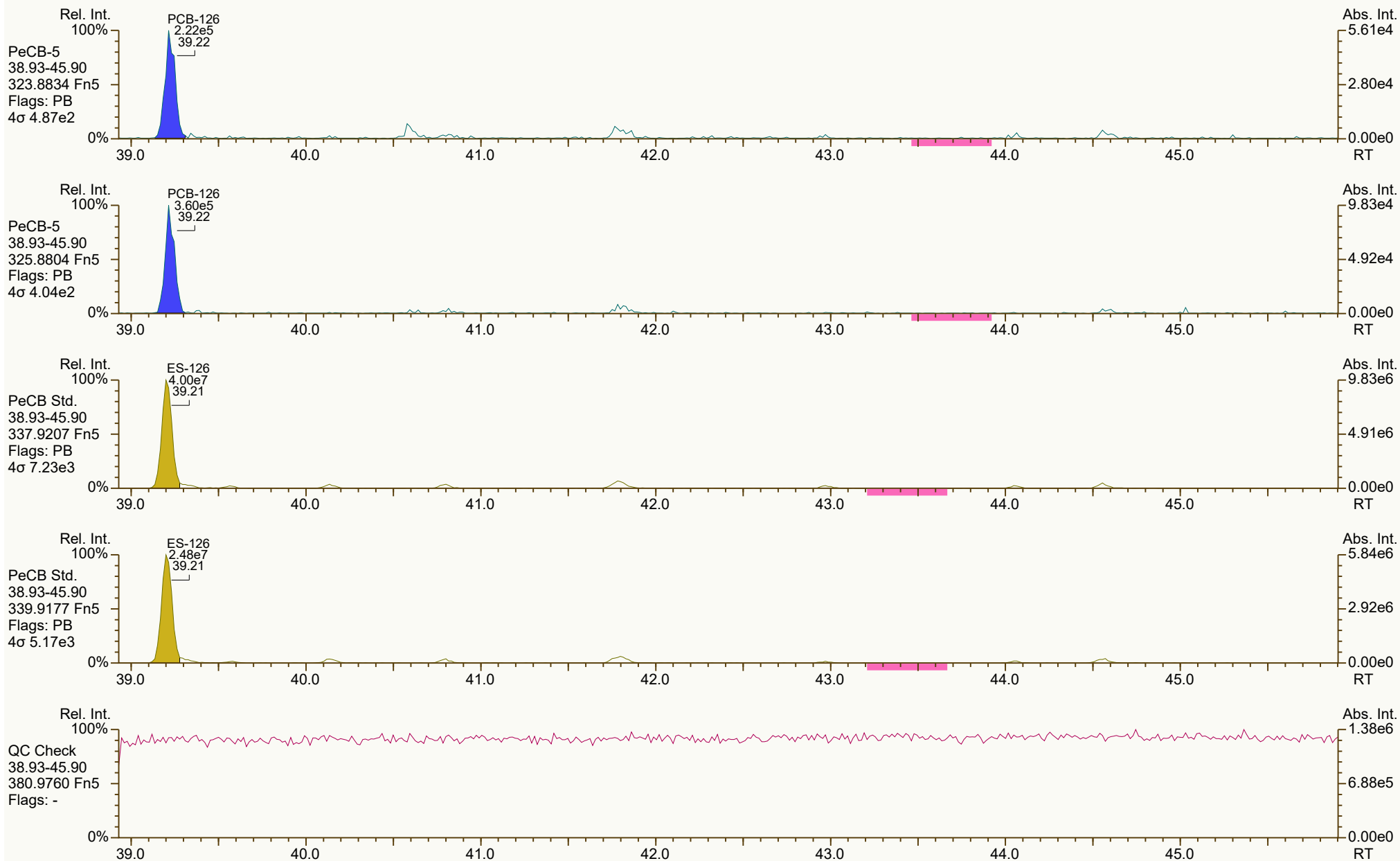
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6011, 8571 scc: 535-685

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

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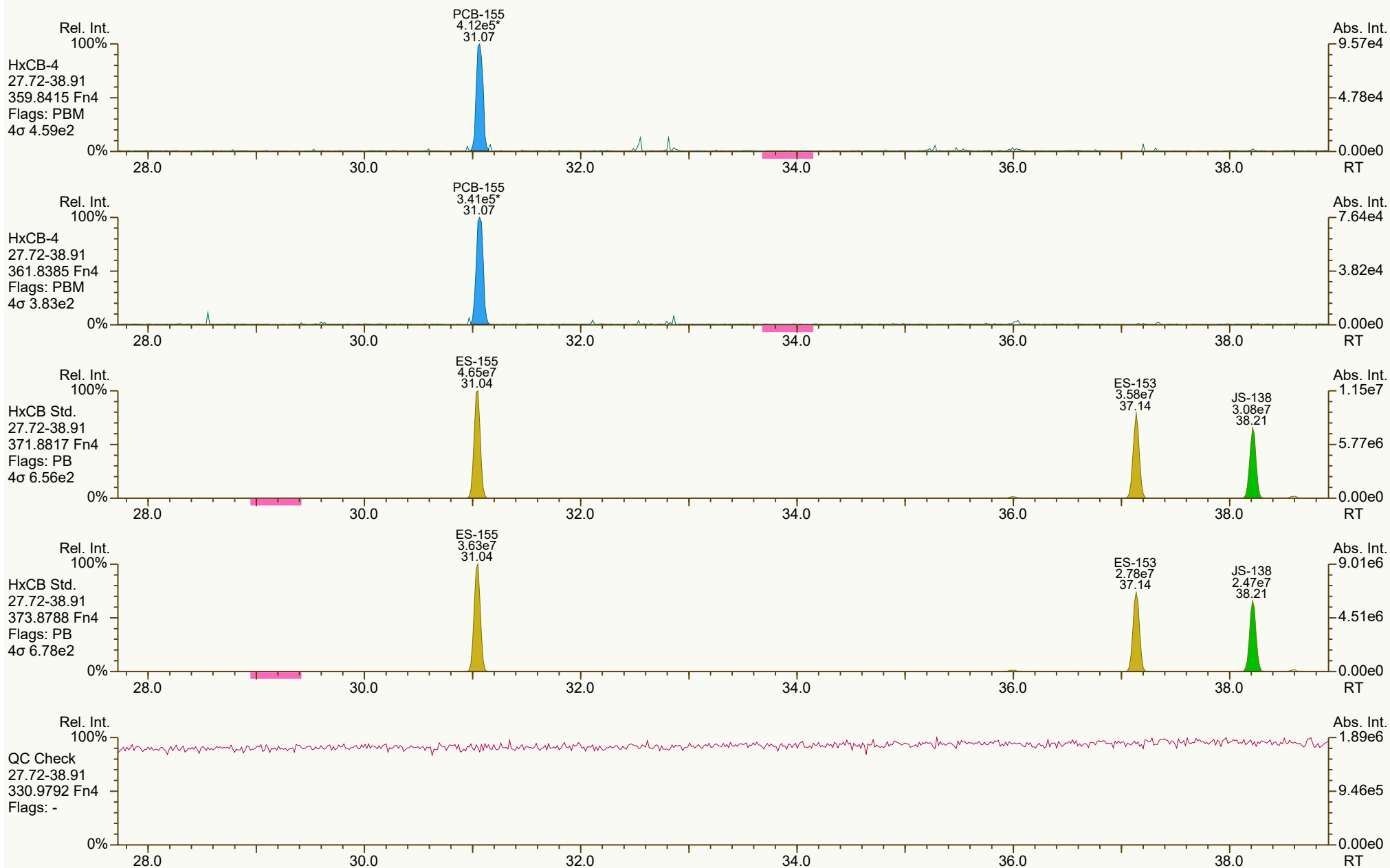
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0780, 7605 scc: 535-685

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
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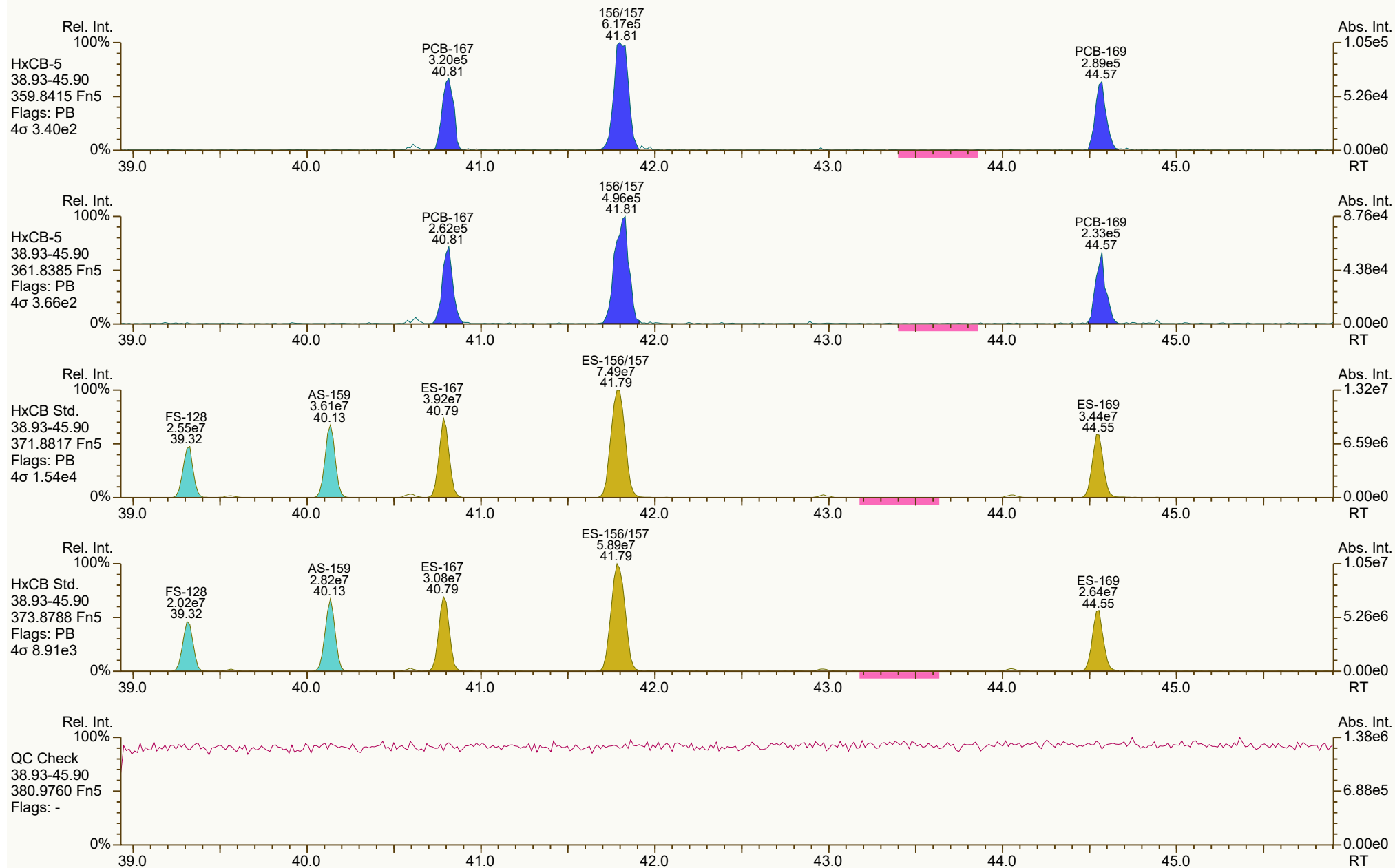
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 13 of 21

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



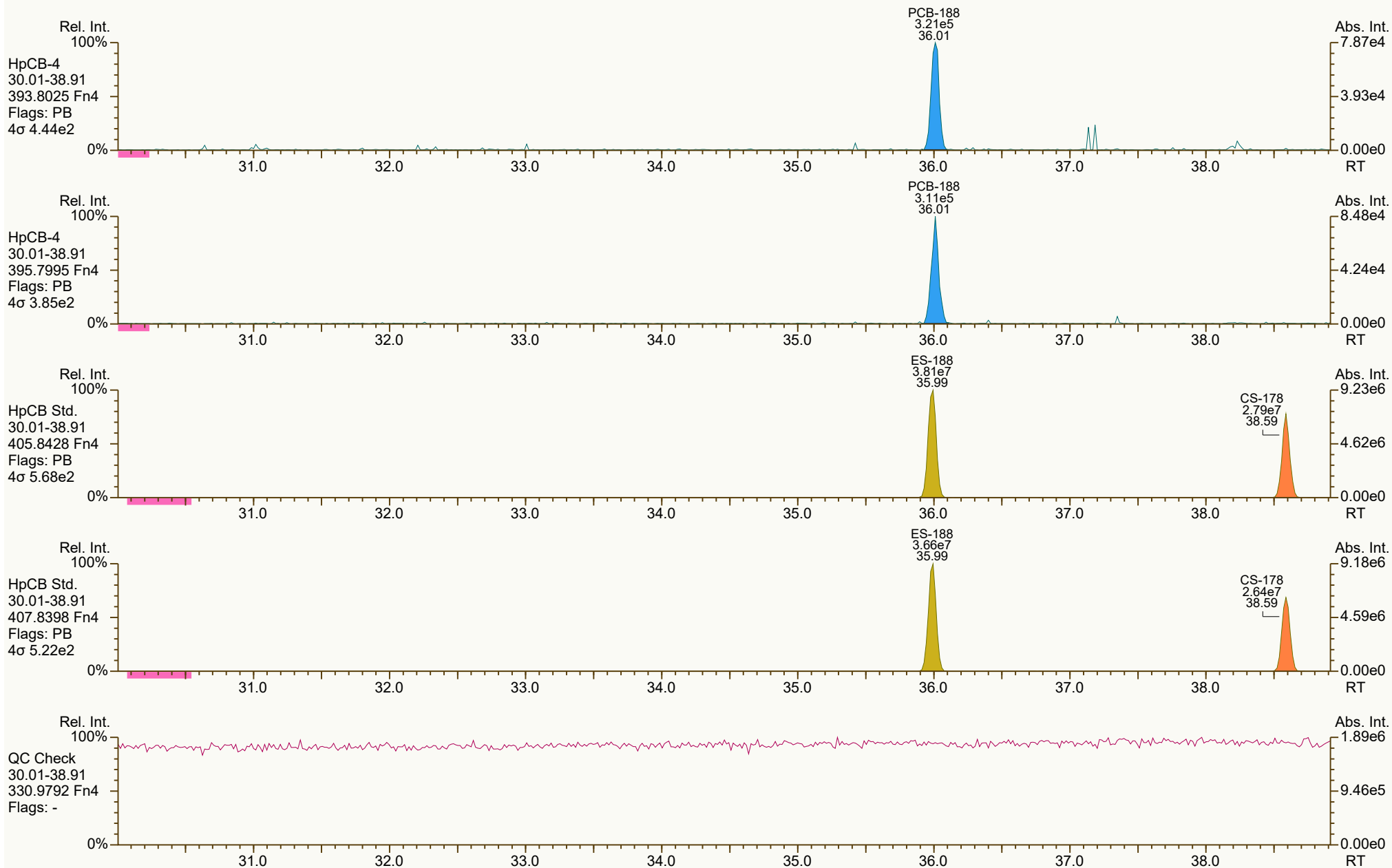
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 14 of 21

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



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SGS UltraTrace-Pro V5.12 User/System: RAB/USP2F2DQX 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



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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
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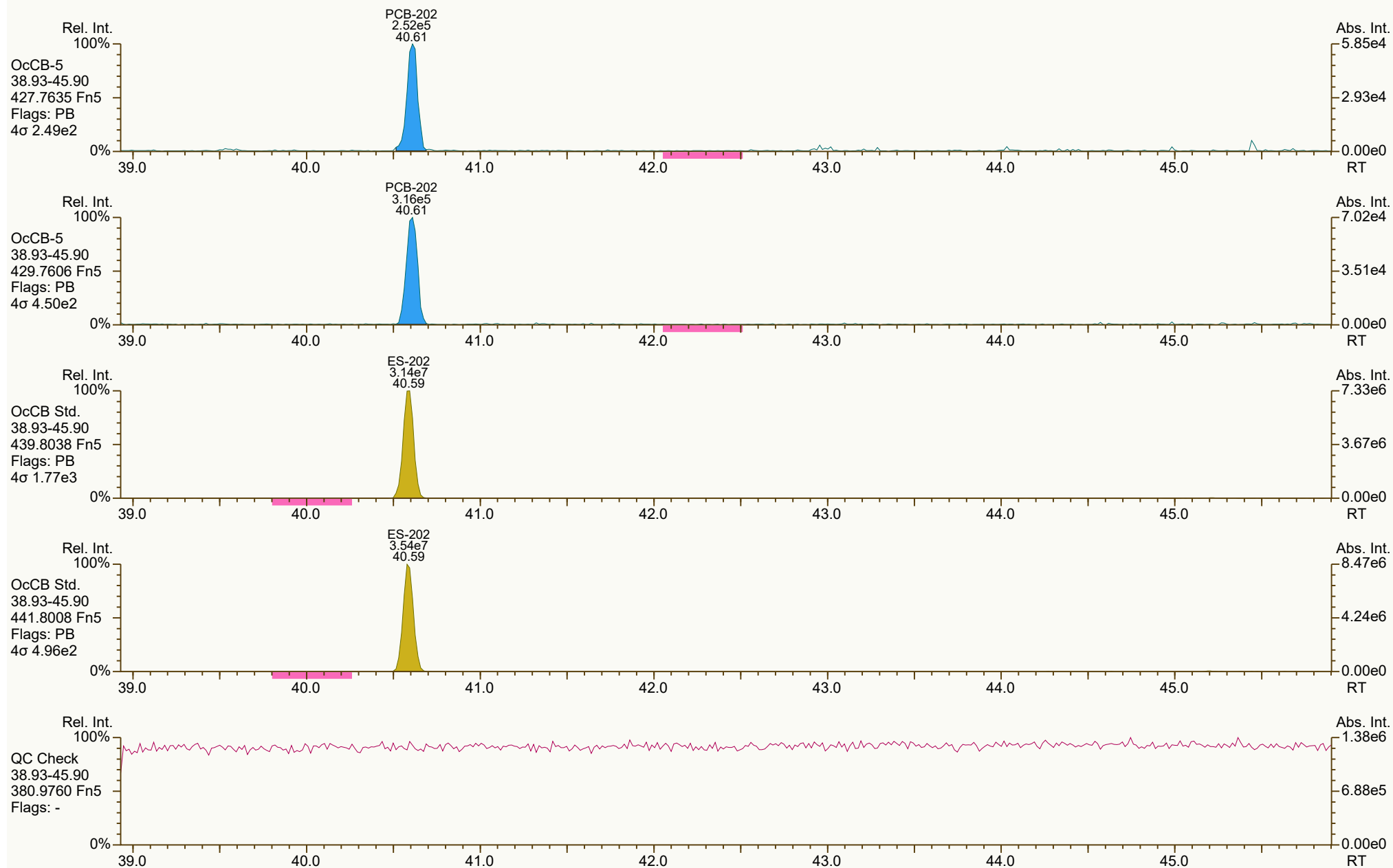
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 17 of 21

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
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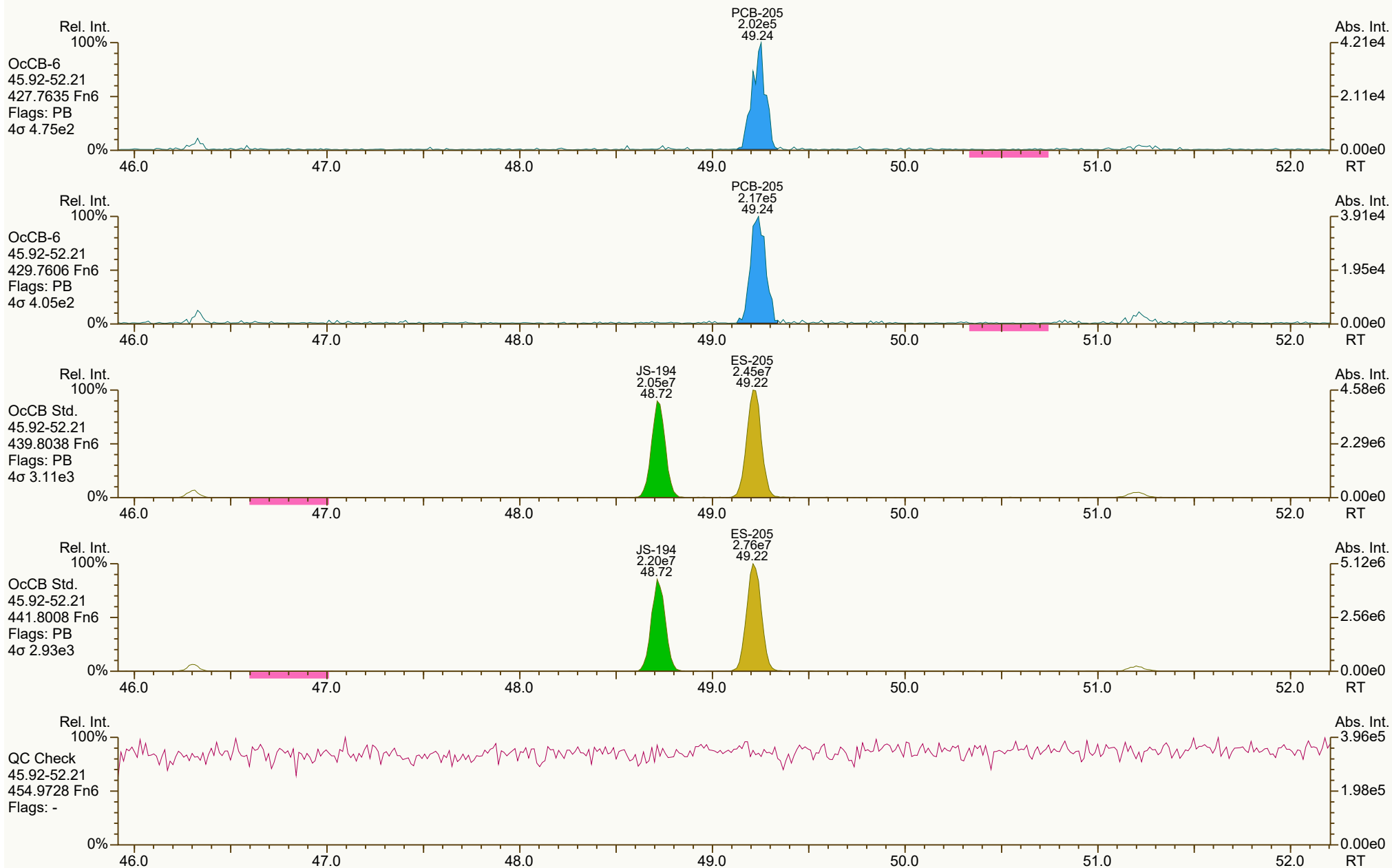
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:42 Page 18 of 21

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

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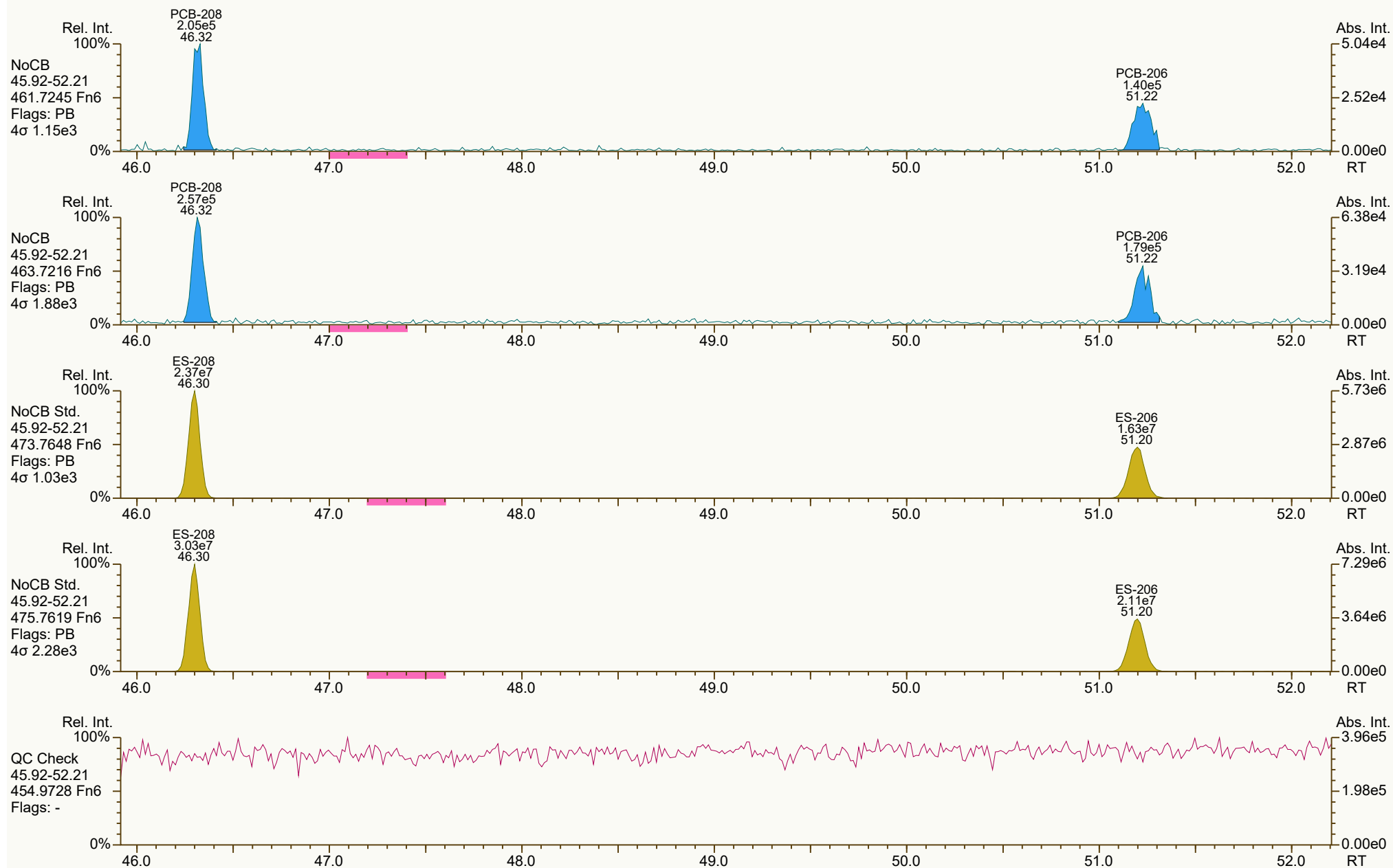
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:42 Printed: 08-May-2024 10:43 Page 19 of 21

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



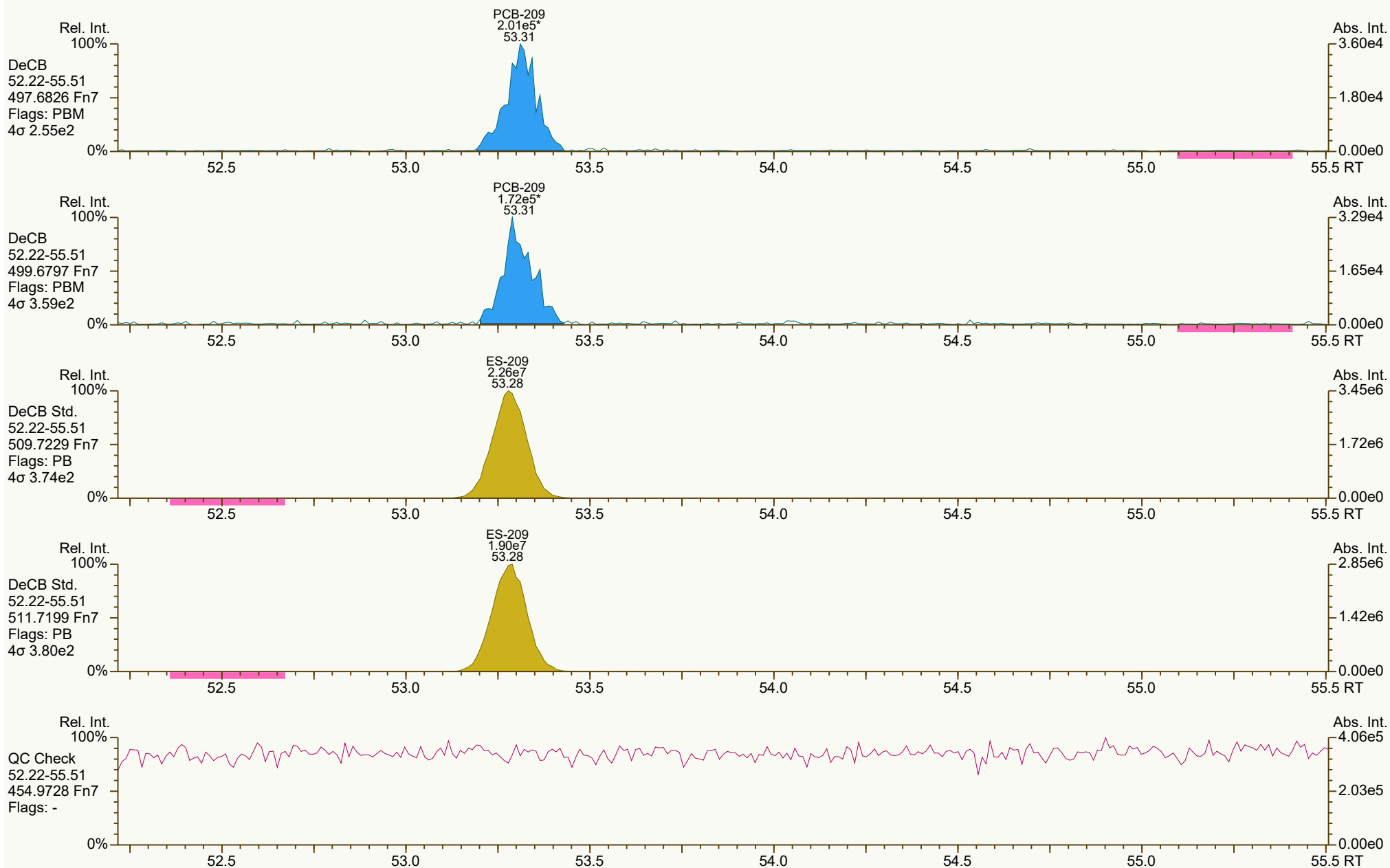
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6315, 0444 scc: 535-685

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
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ICAL: HRMS2_PCB_03MAY2024

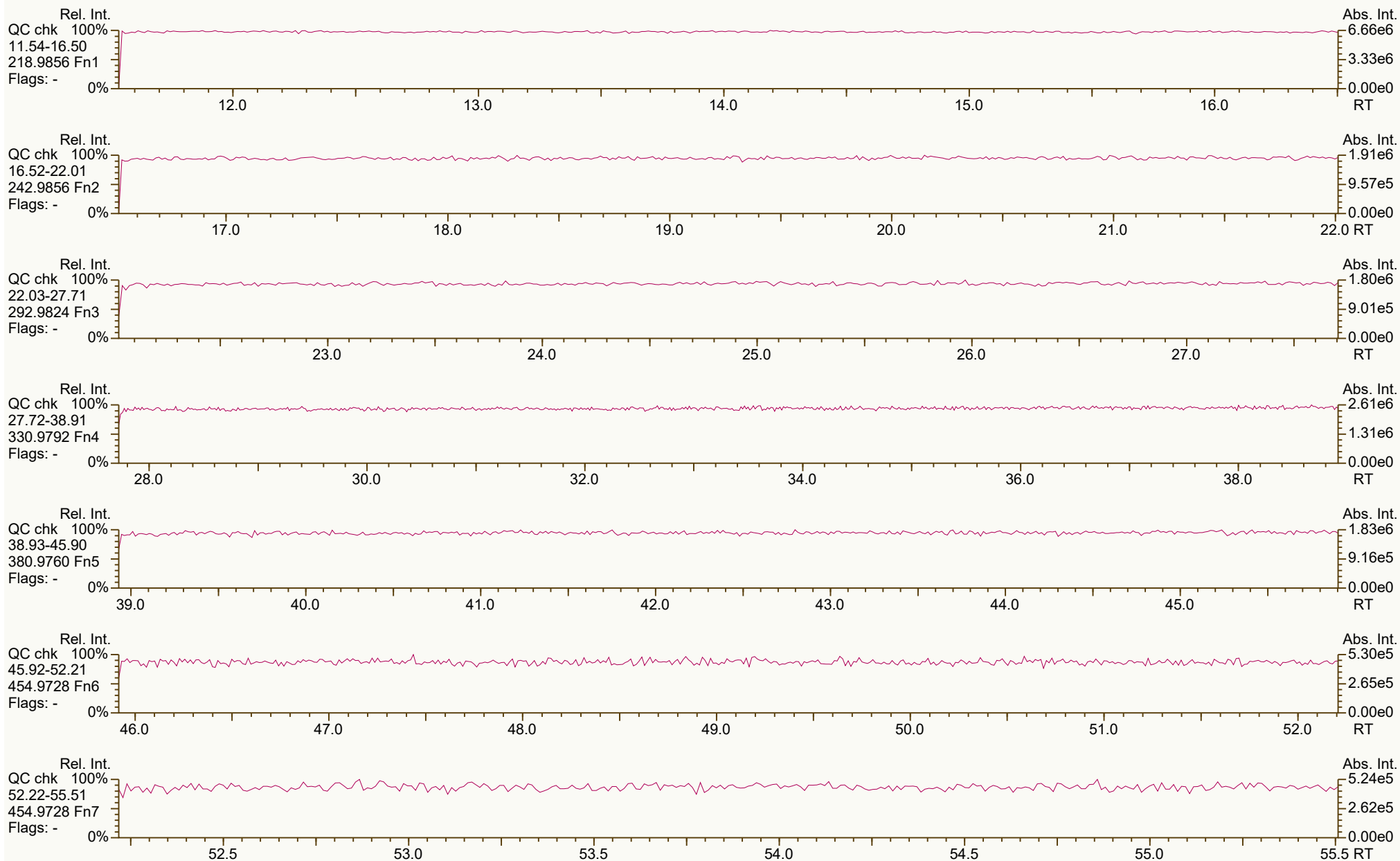
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.54	2.62E+06	0.75 Y	0.95	0.85	-10.5%
PCB-81 344'5'-TeCB	33.05	2.80E+06	0.73 Y	0.94	0.86	-8.9%
PCB-105 233'44'-PeCB	36.56	2.24E+06	0.61 Y	0.97	0.88	-9.6%
PCB-114 2344'5'-PeCB	36.01	2.30E+06	0.62 Y	0.96	0.84	-12.3%
PCB-118 23'44'5'-PeCB	35.54	2.44E+06	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			ICAL: HRMS2_PCB_03MAY2024		
Acquired:	3-May-24 09:54:09					
Datafile:	240503B05					
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



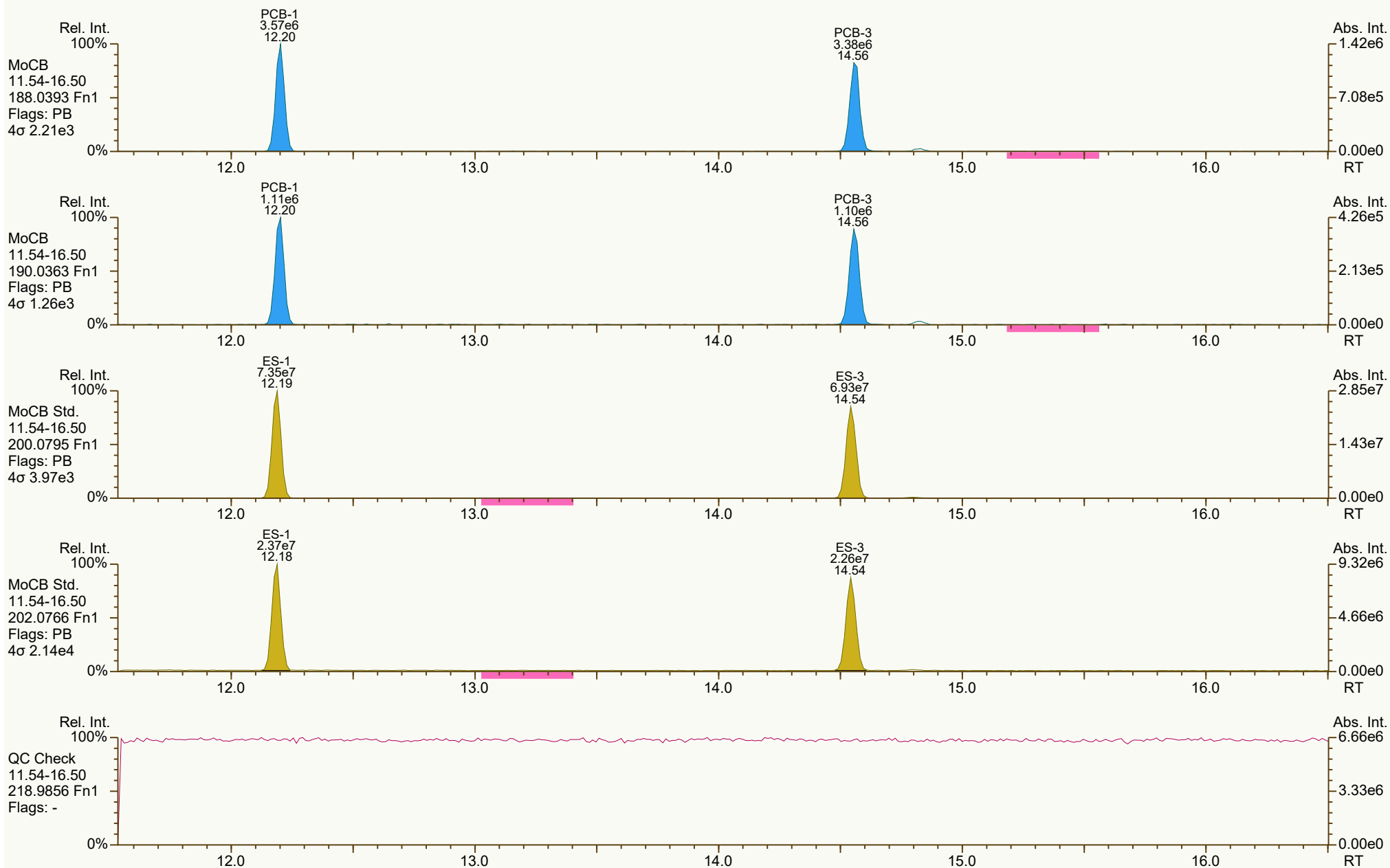
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 400-947

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
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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



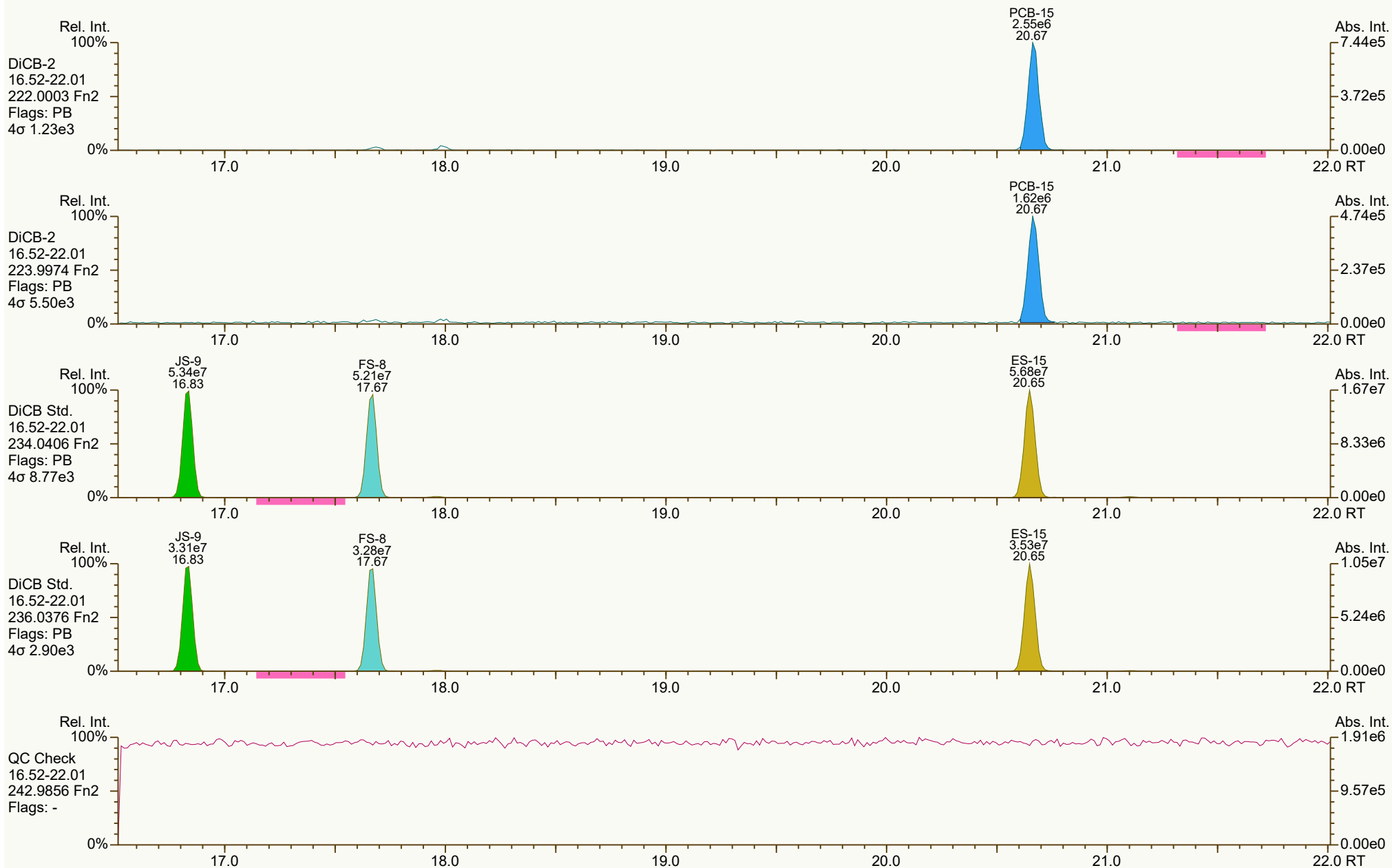
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 3 of 21

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
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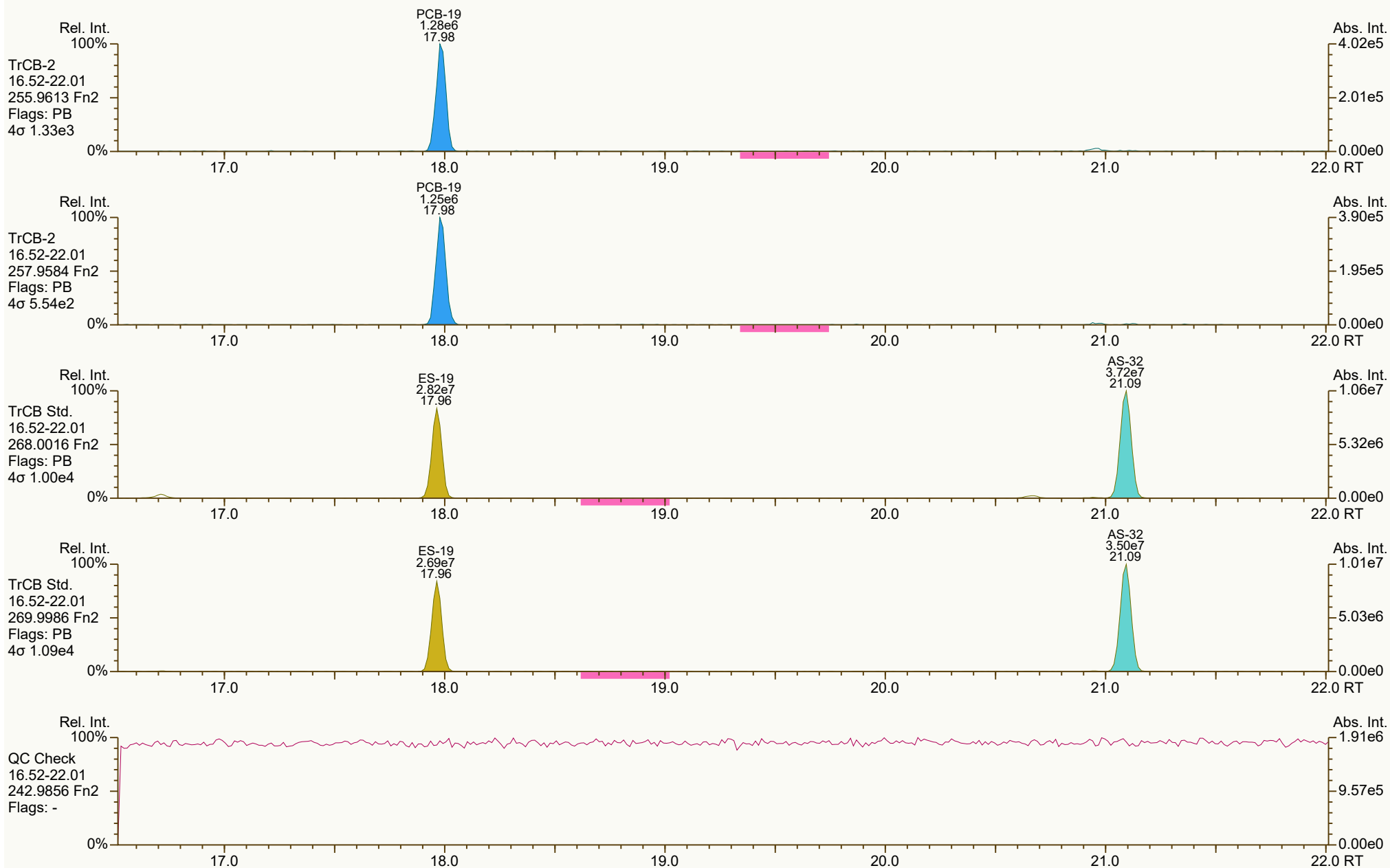
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 4 of 21

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
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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
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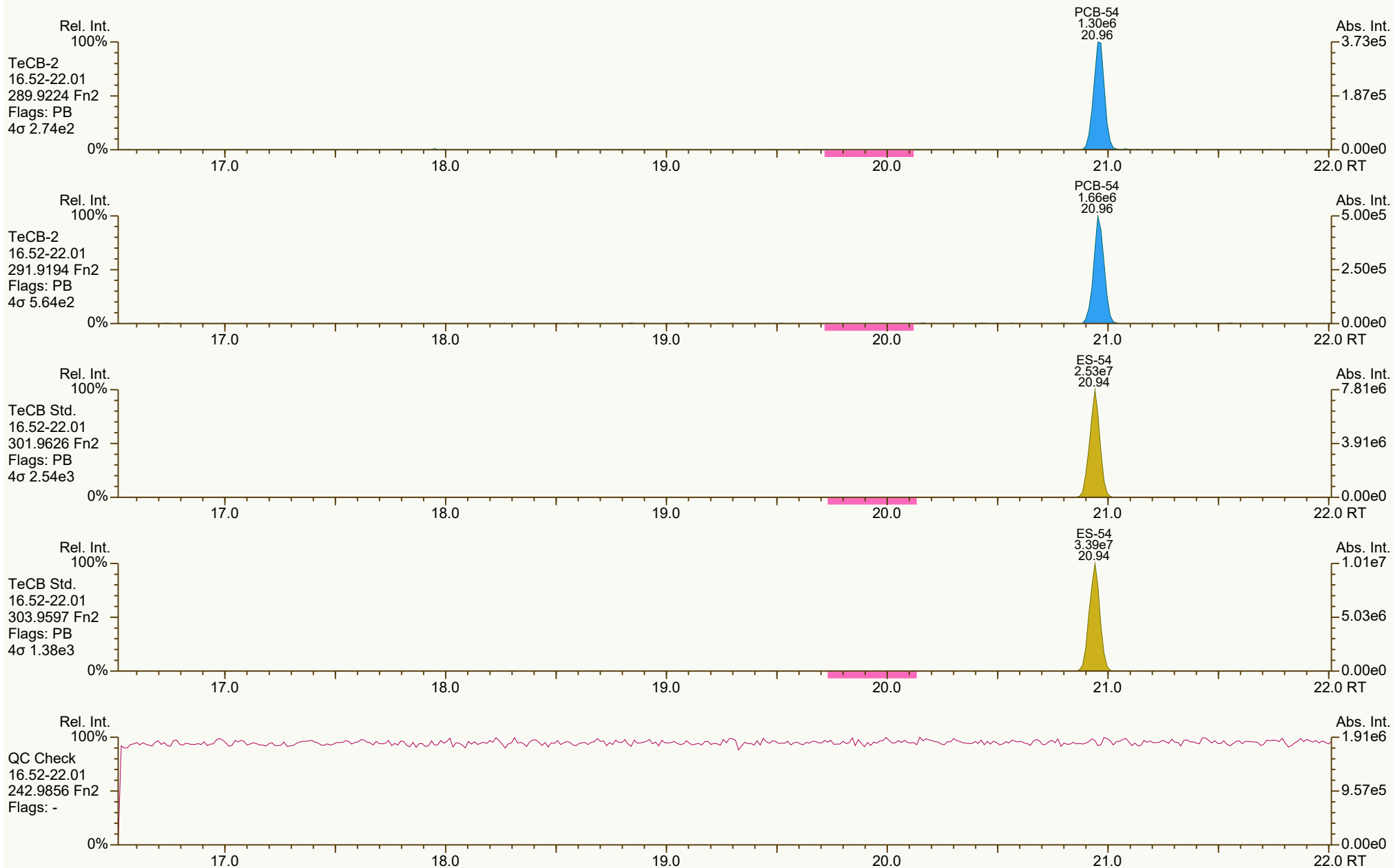
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 6 of 21

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

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User: PSW Datafile: 240503B05



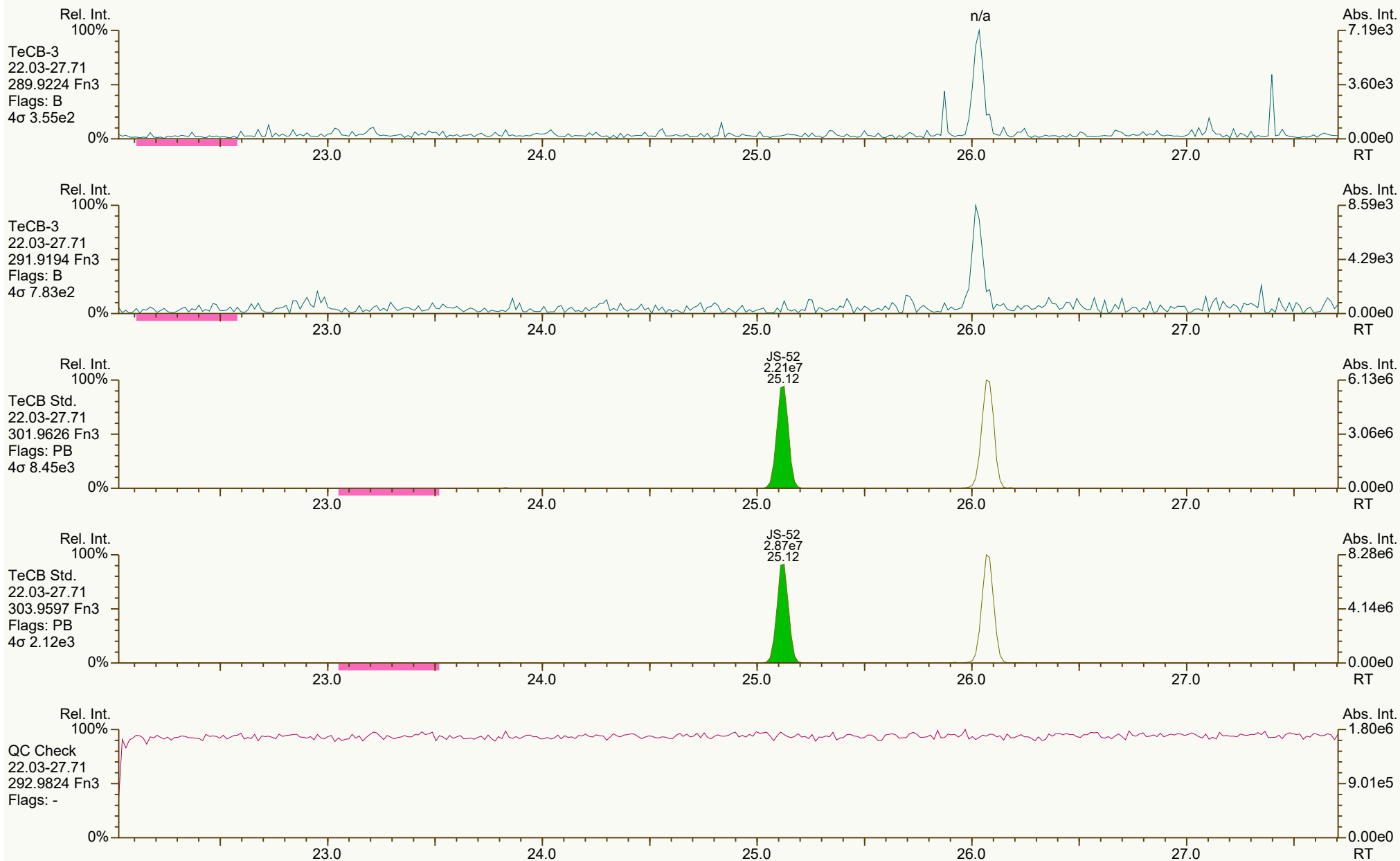
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 7 of 21

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



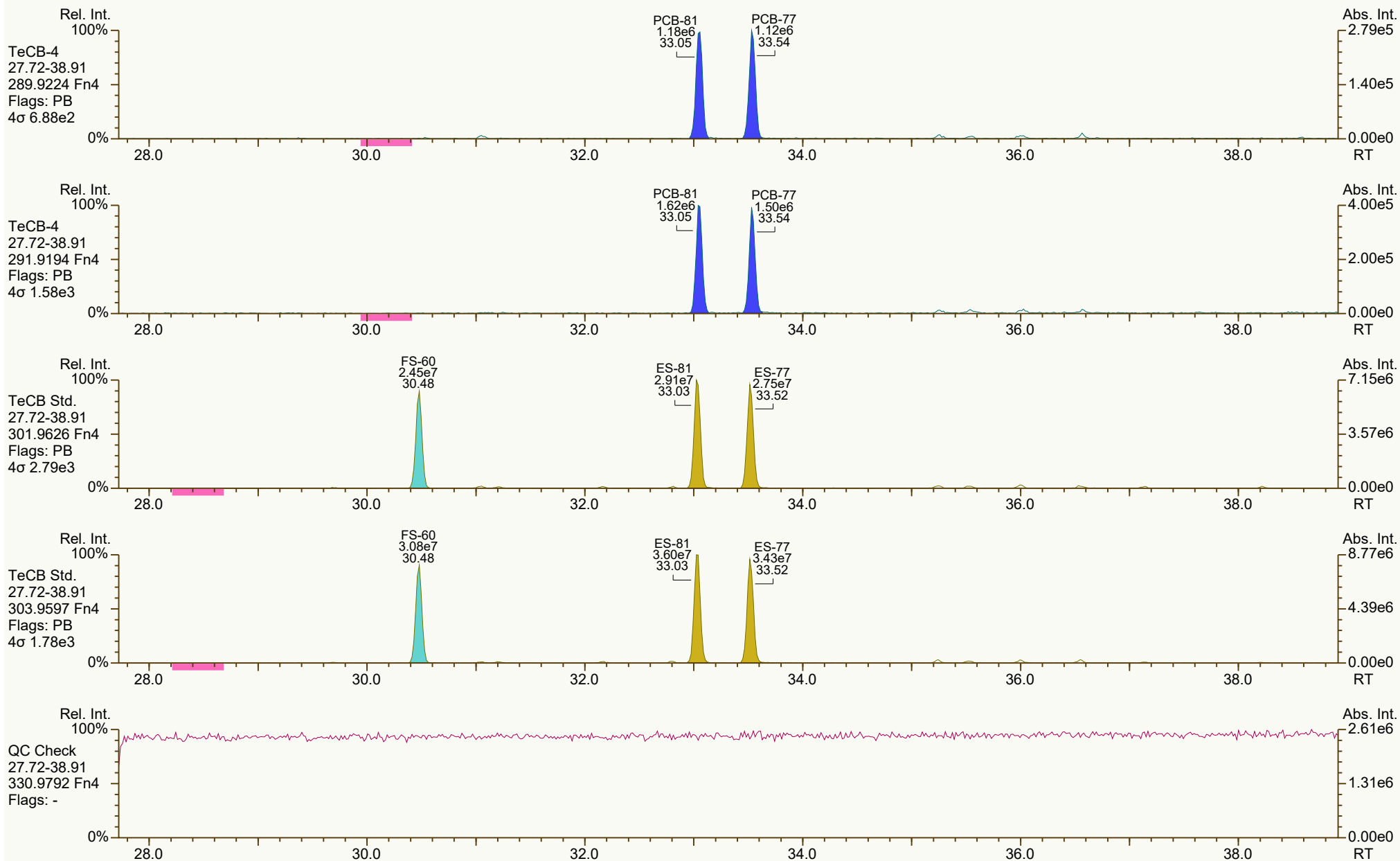
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 8 of 21

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
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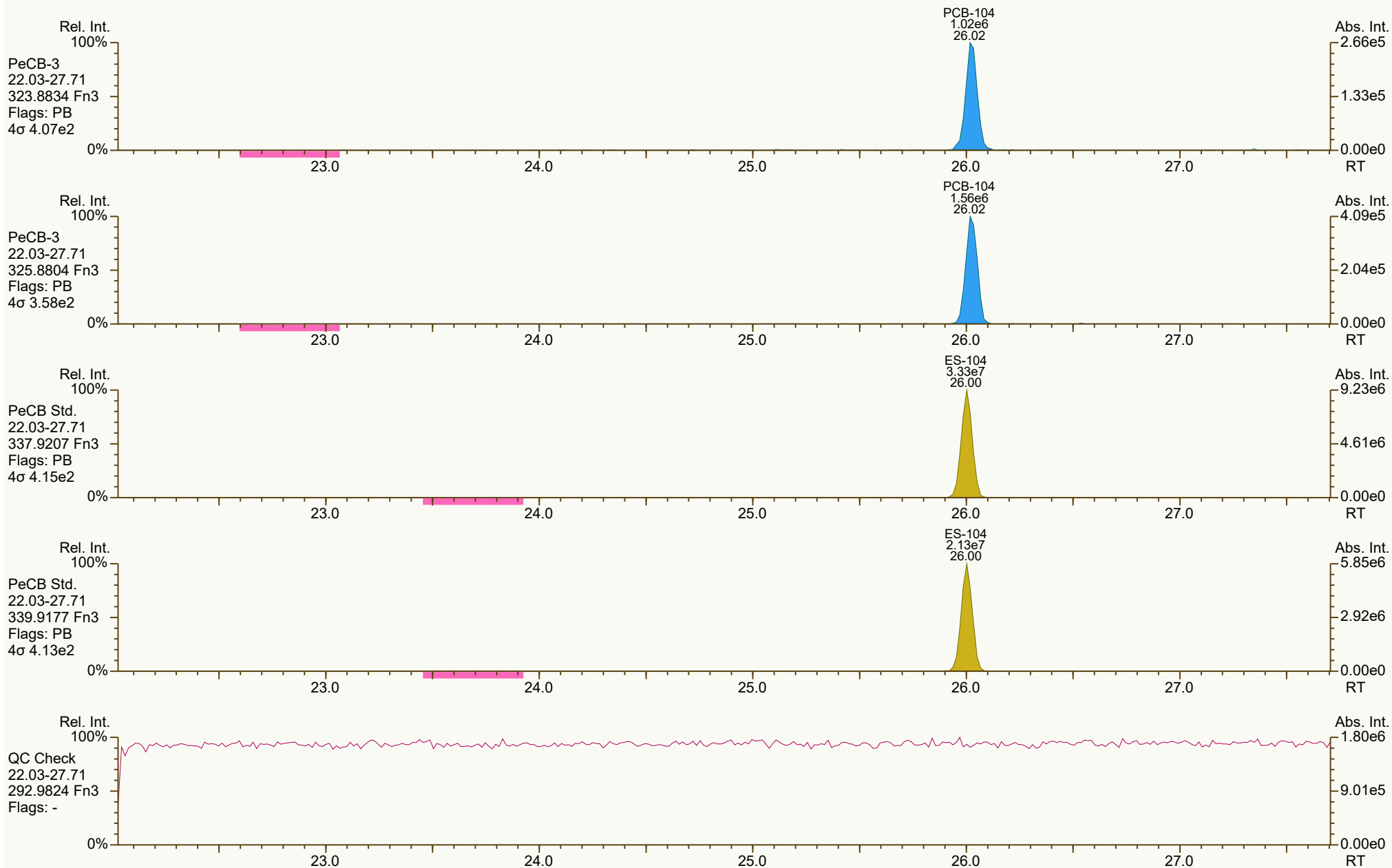
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 9 of 21

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

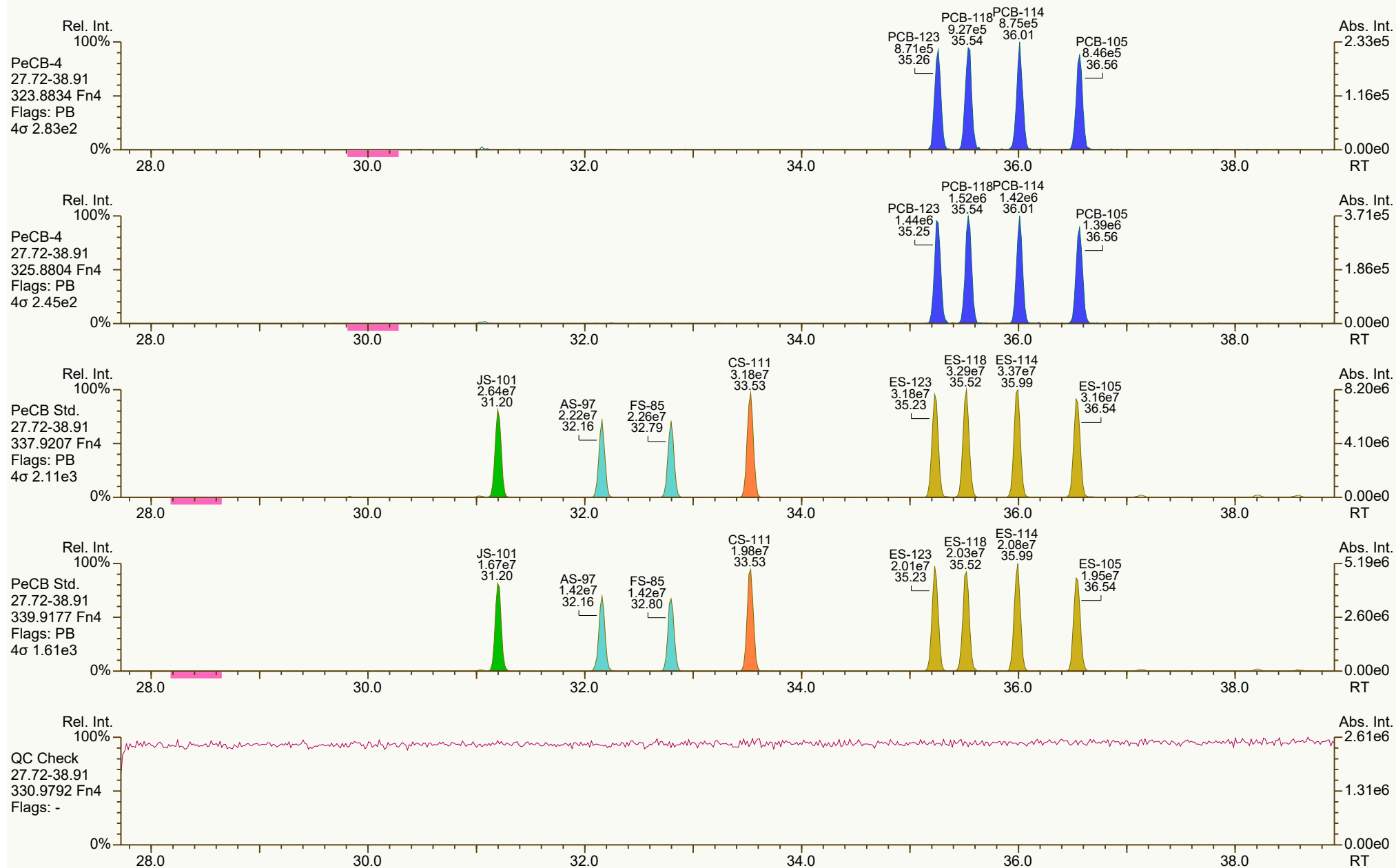
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SGS ID: CS2_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICAL SIL 27-59-1
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 3

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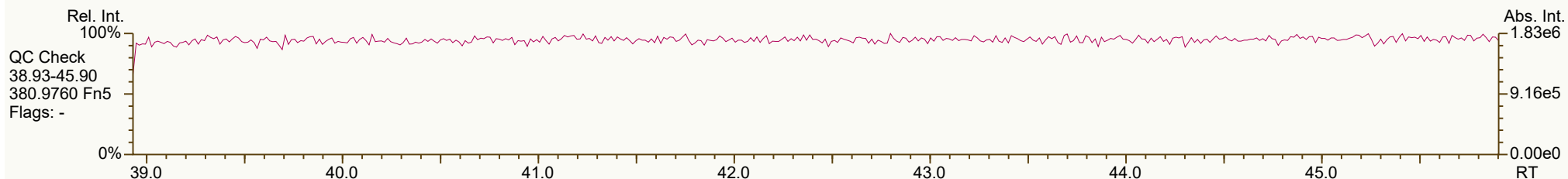
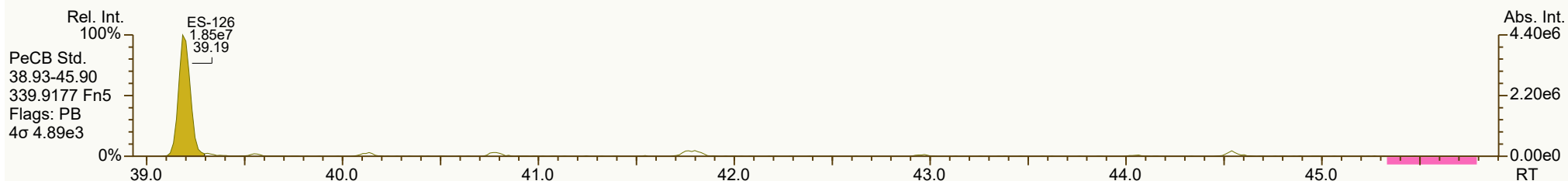
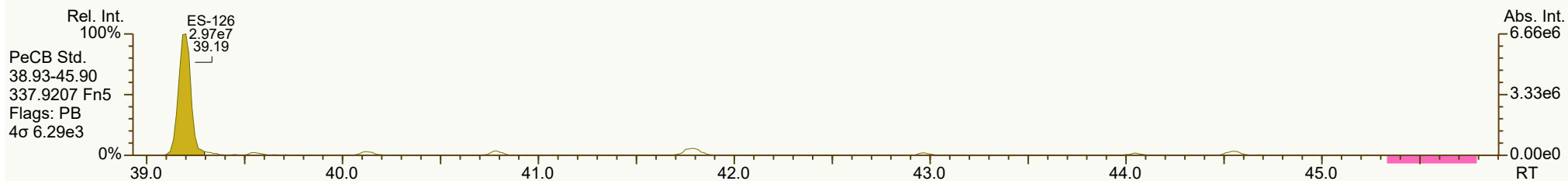
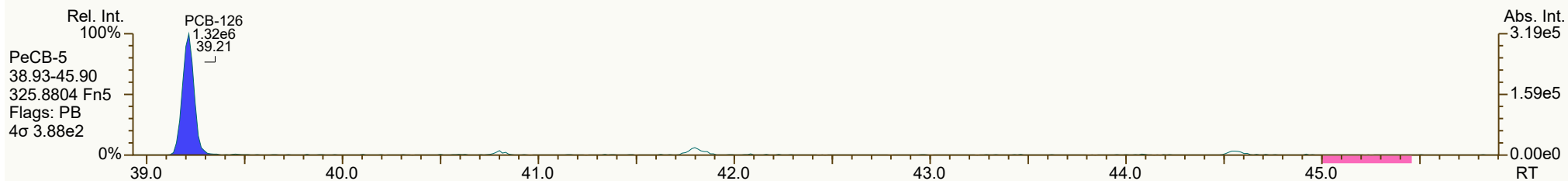
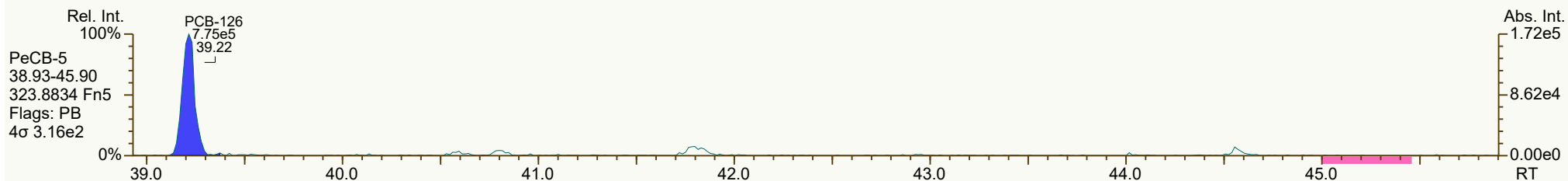
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4714, 3350 scc: 400-947

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
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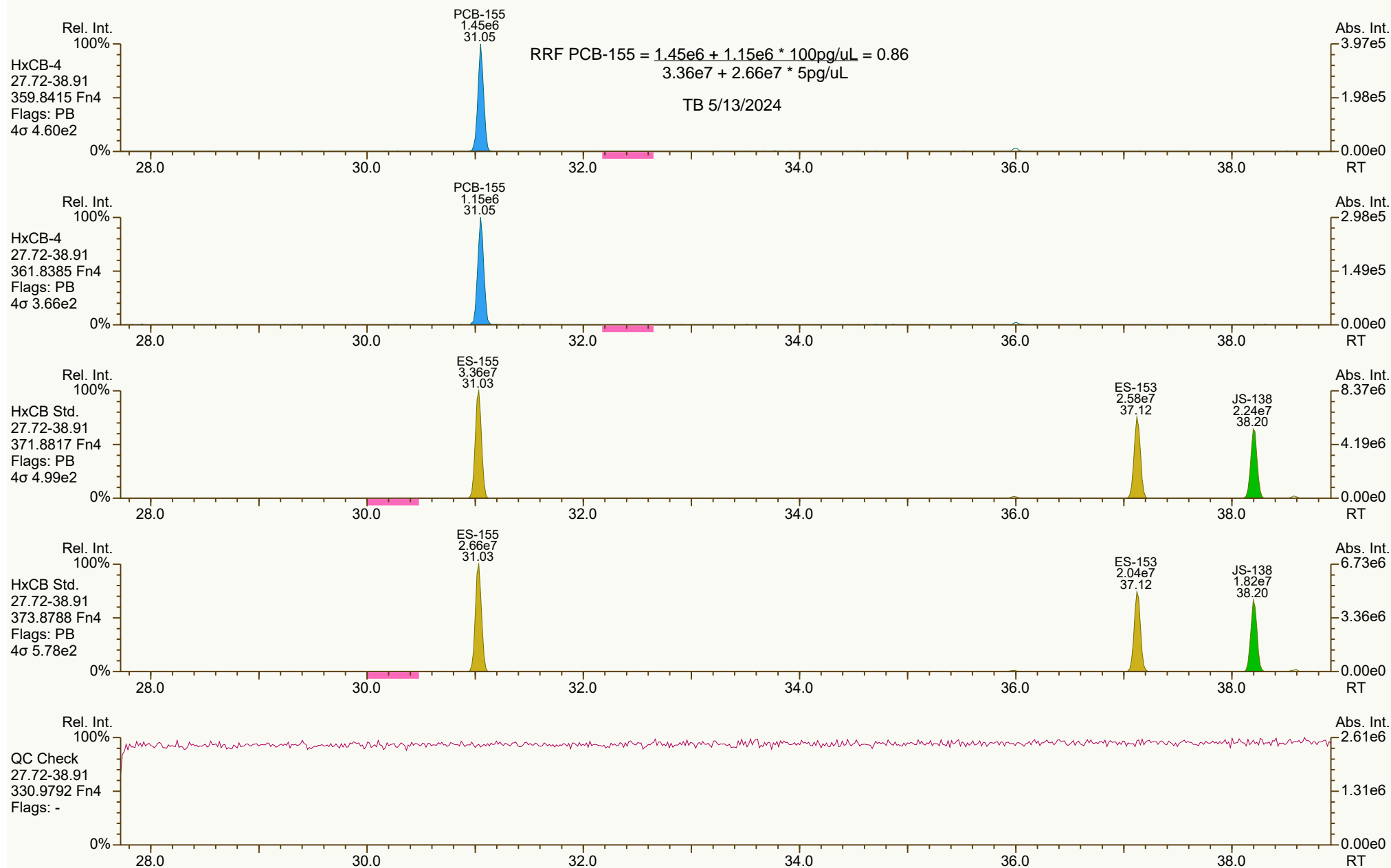
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 12 of 21

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
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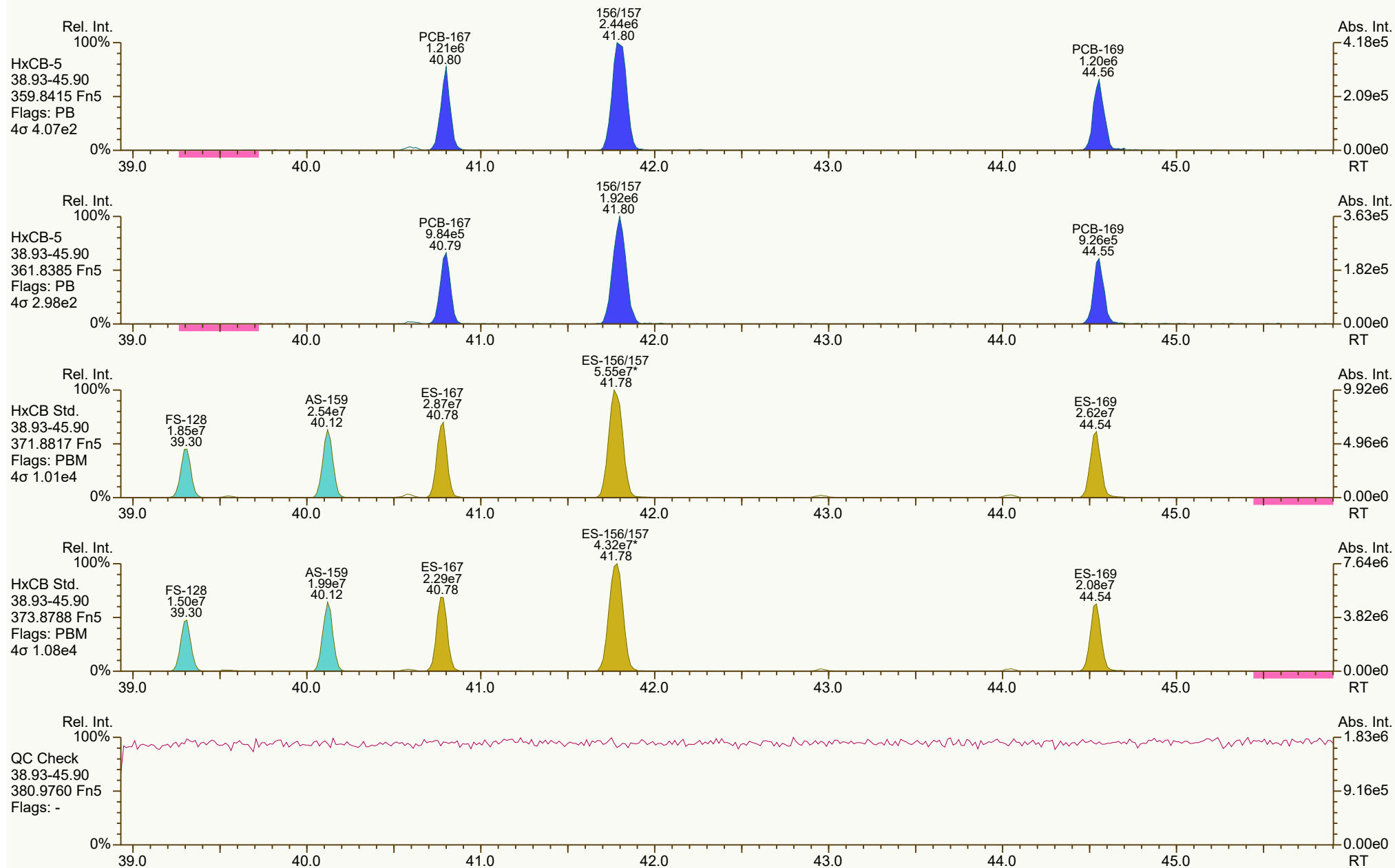
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 13:52 Printed: 08-May-2024 10:43 Page 13 of 21

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



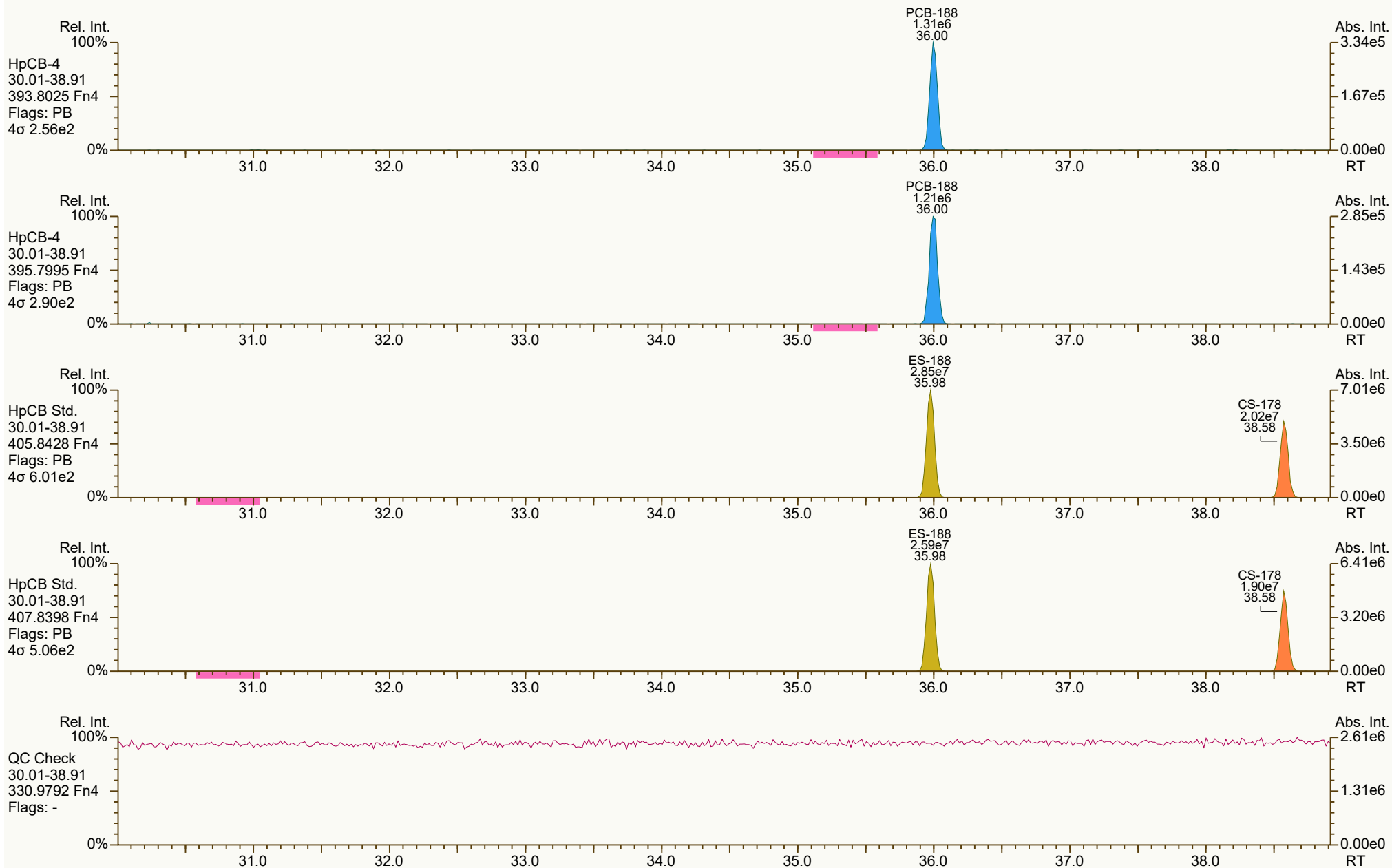
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:43 (JHL) Printed: 08-May-2024 10:43 Page 14 of 21

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



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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

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User: PSW Datafile: 240503B05



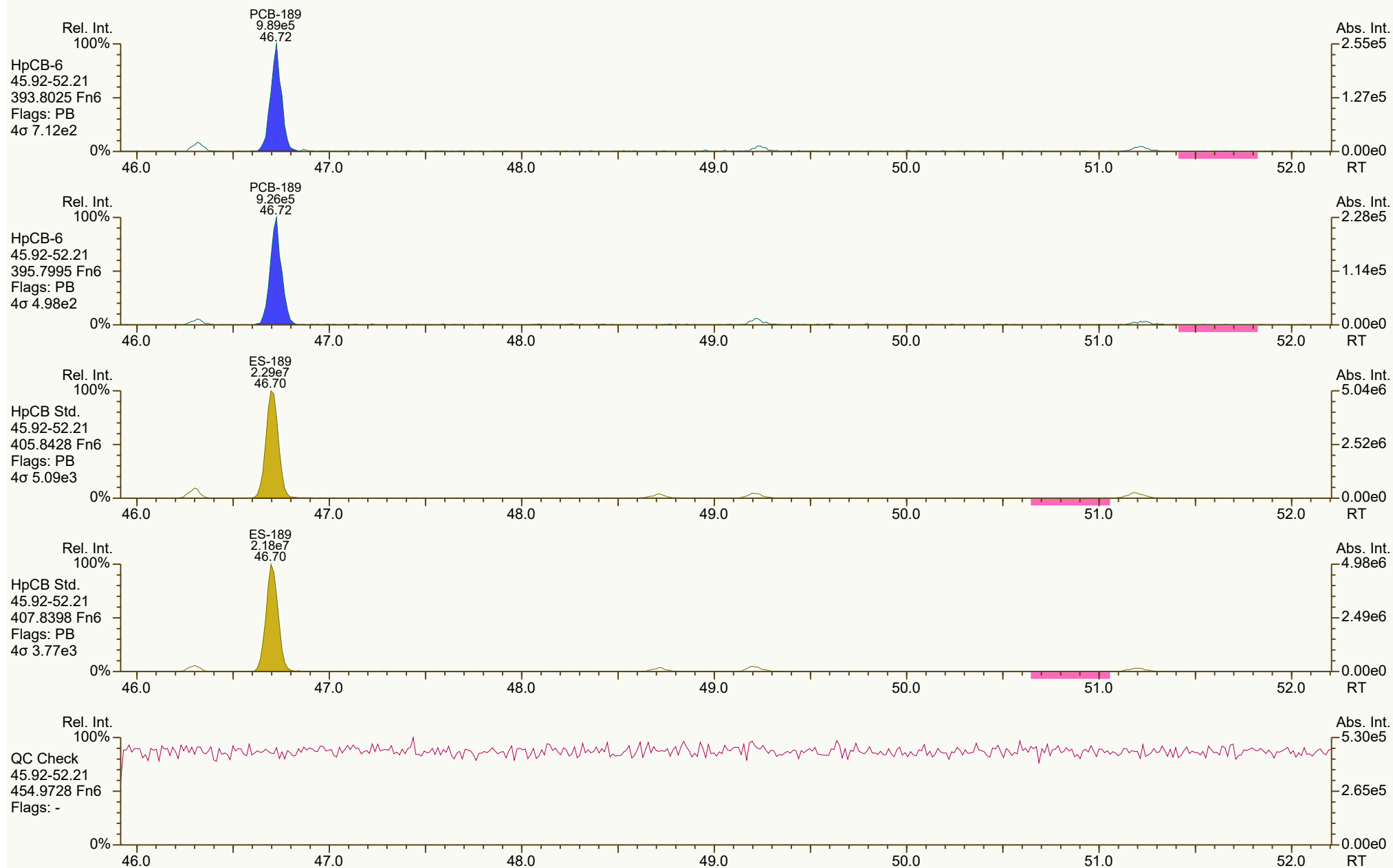
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7626, 8728 scc: 400-947

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
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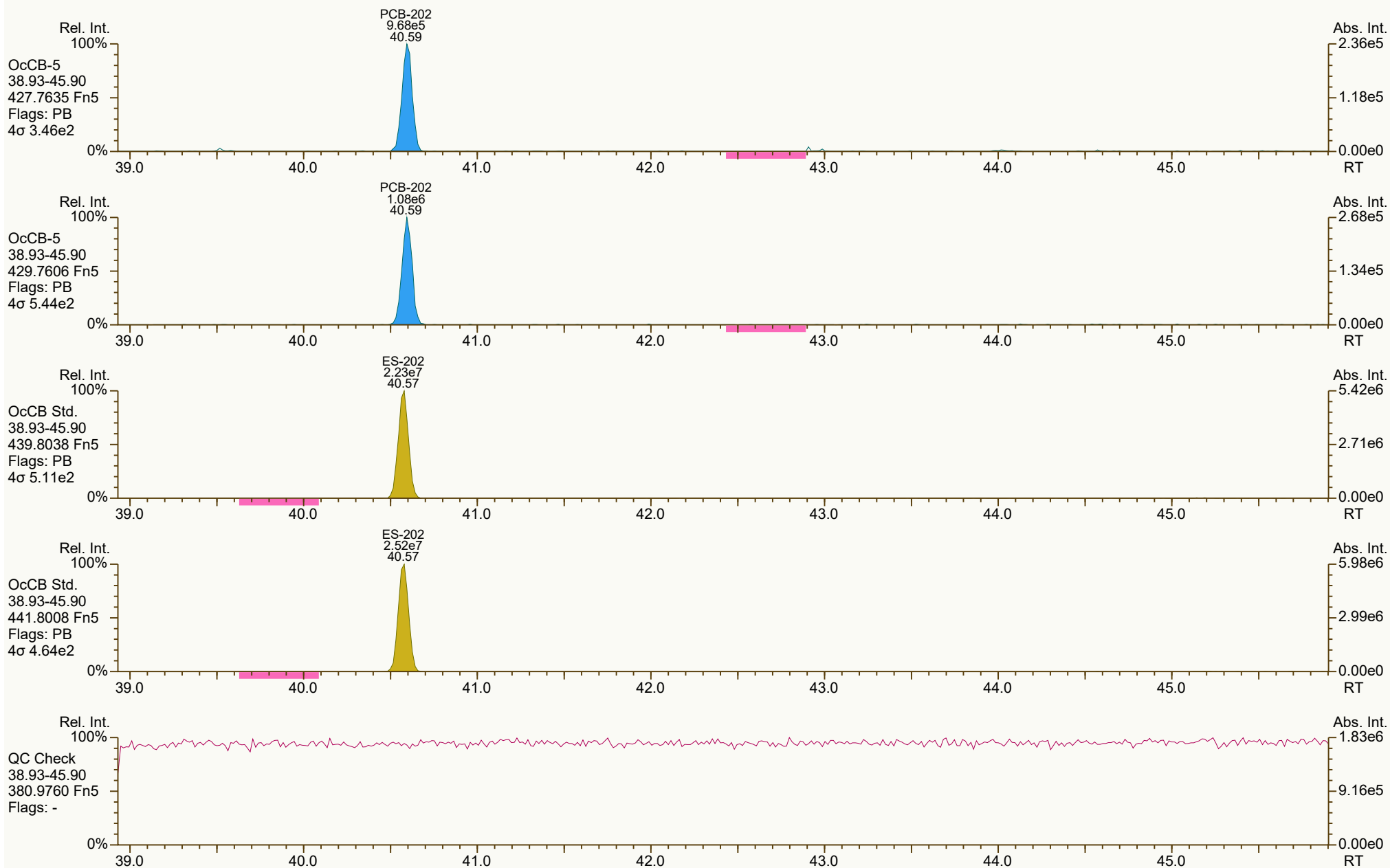
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0869, 9802 scc: 400-947

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



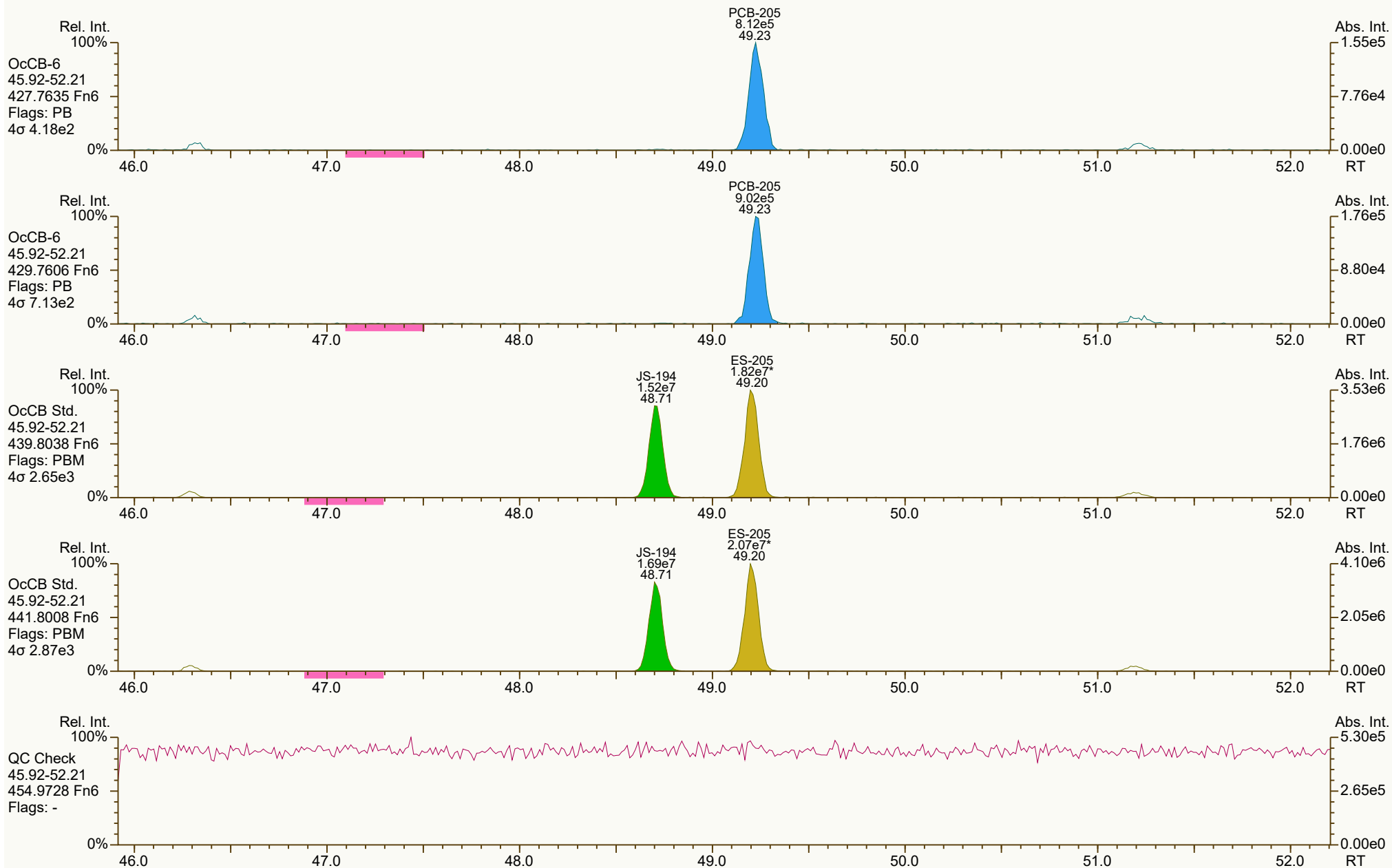
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2423, 3442 scc: 400-947

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



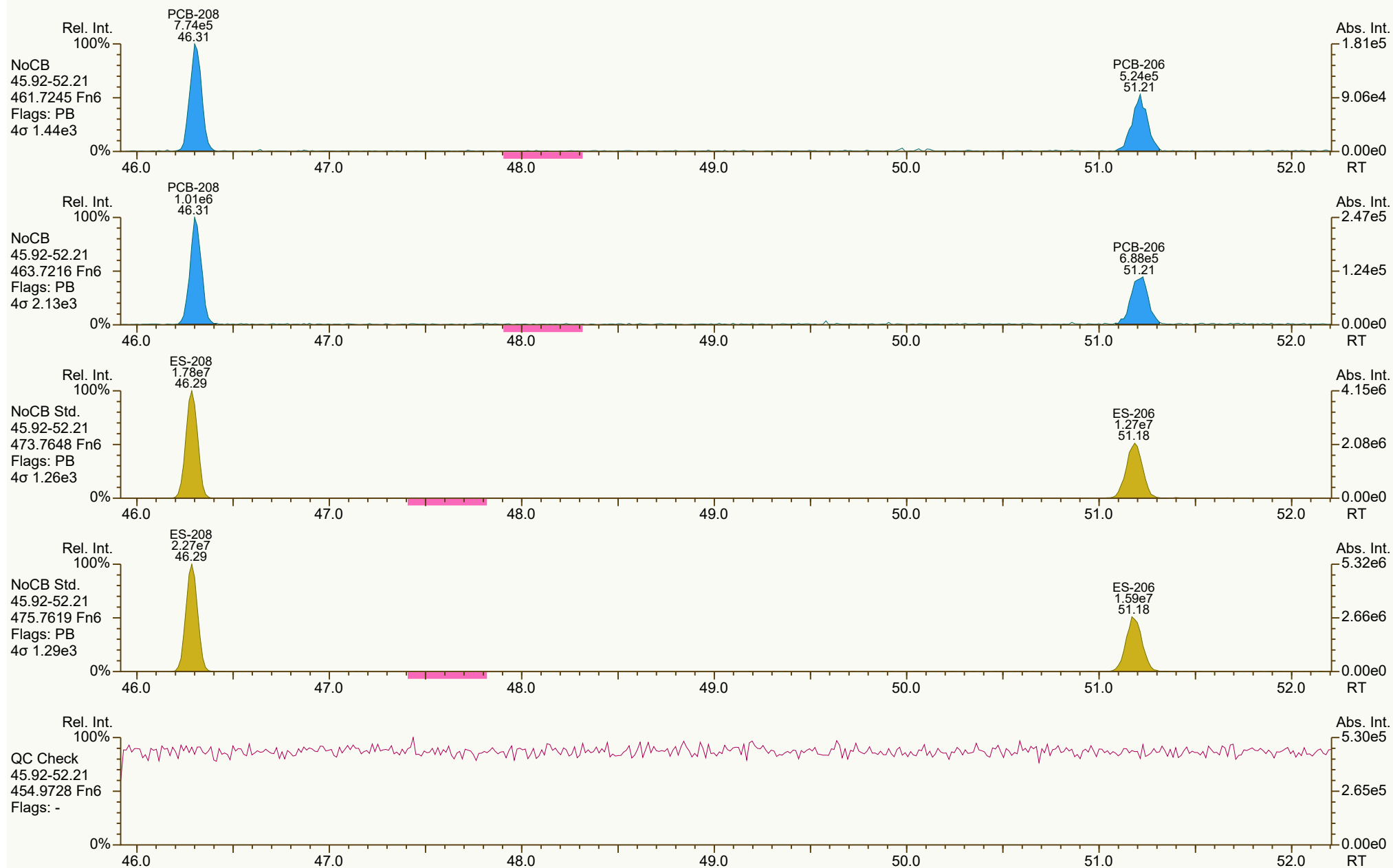
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9169, 4296 scc: 400-947

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



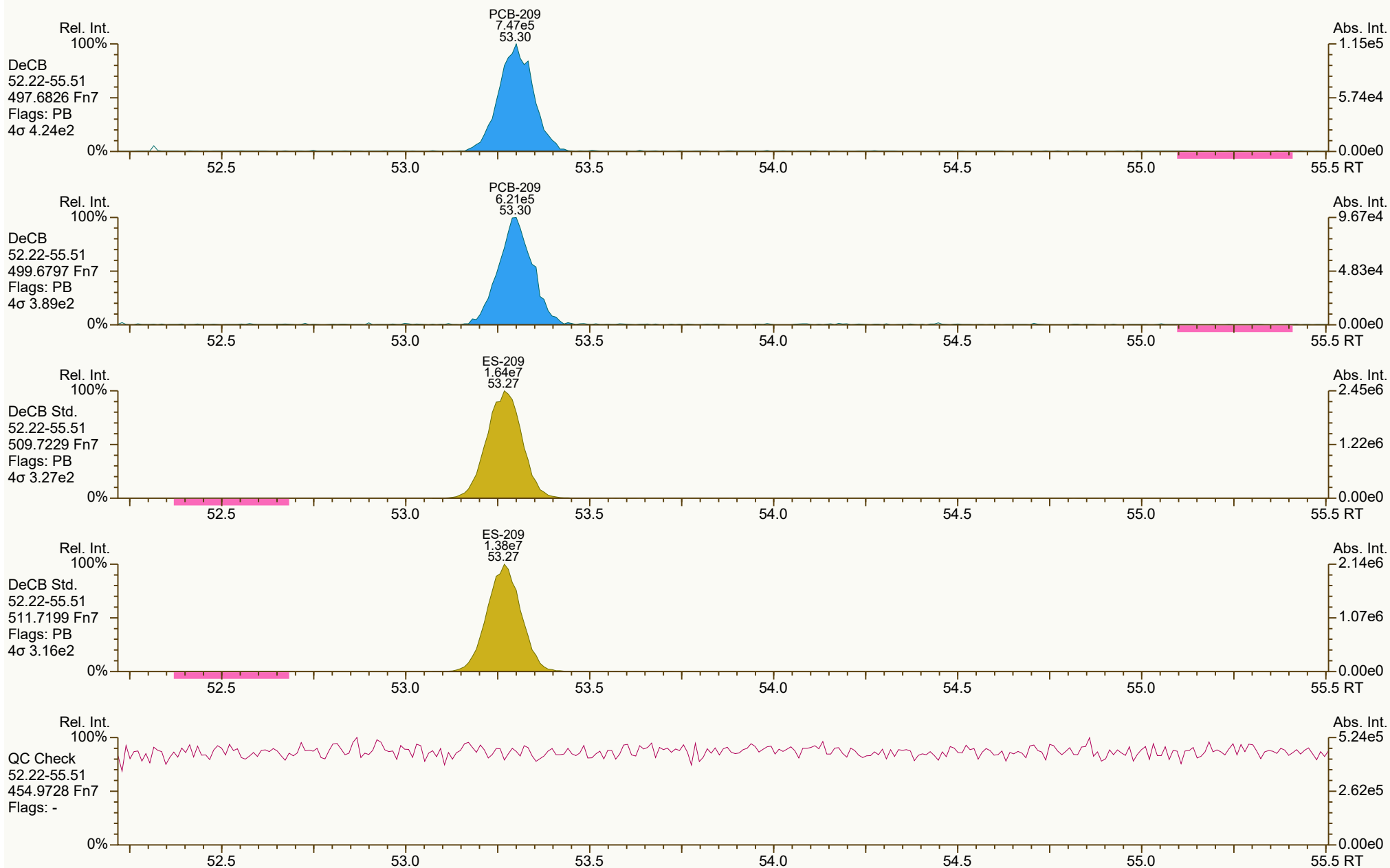
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6479, 7980 scc: 400-947

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



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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

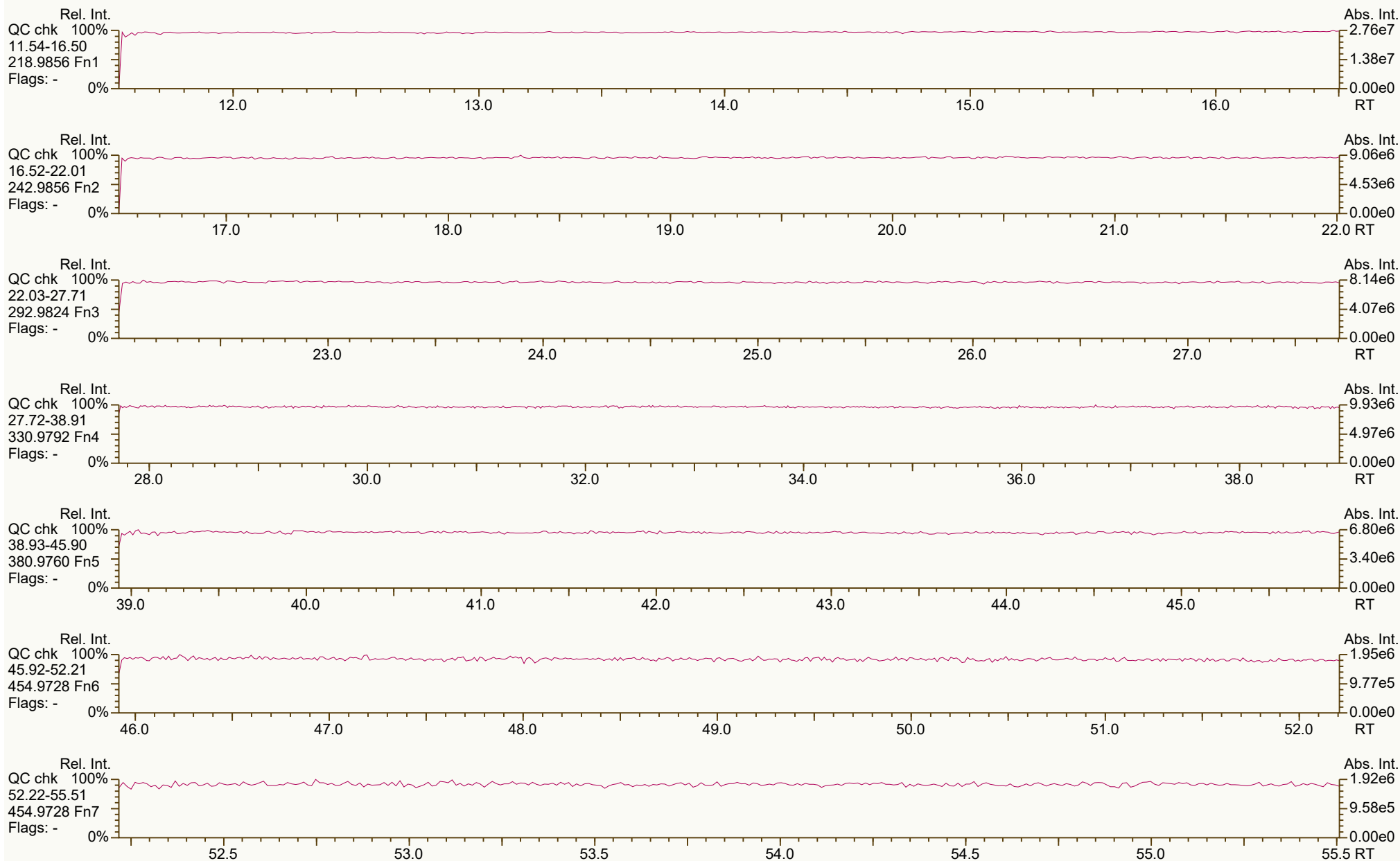
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.54	2.89E+07	0.77 Y	0.95	0.96	1.3%
PCB-81 344'5'-TeCB	33.05	2.96E+07	0.77 Y	0.94	0.95	1.2%
PCB-105 233'44'-PeCB	36.56	2.48E+07	0.62 Y	0.97	0.99	1.9%
PCB-114 2344'5'-PeCB	36.01	2.65E+07	0.64 Y	0.96	1.01	4.6%
PCB-118 23'44'5'-PeCB	35.54	2.63E+07	0.62 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'-OcCB	40.60	2.28E+07	0.86 Y	0.96	0.97	0.9%
PCB-205 233'44'55'6-OcCB	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



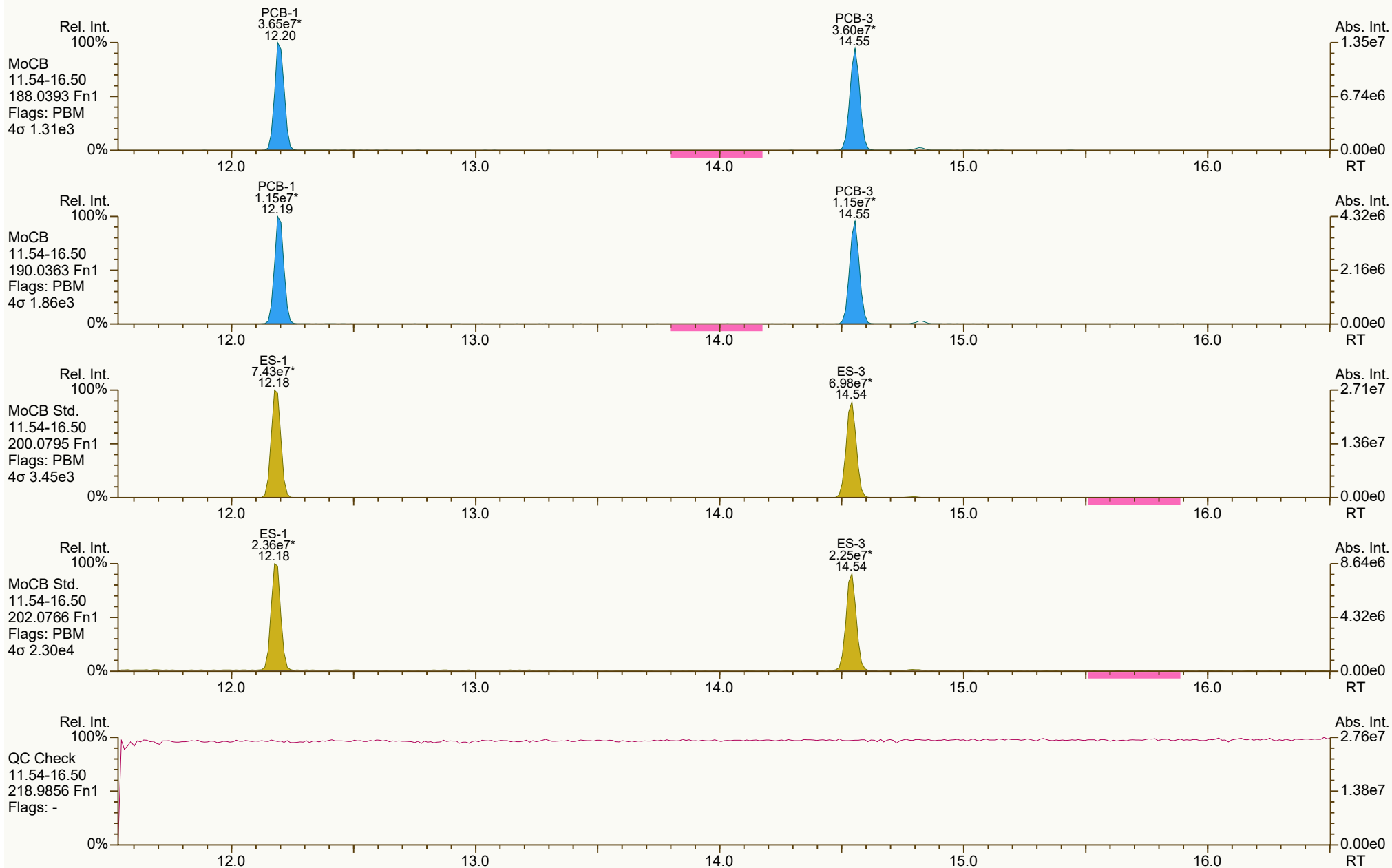
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 666-967

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



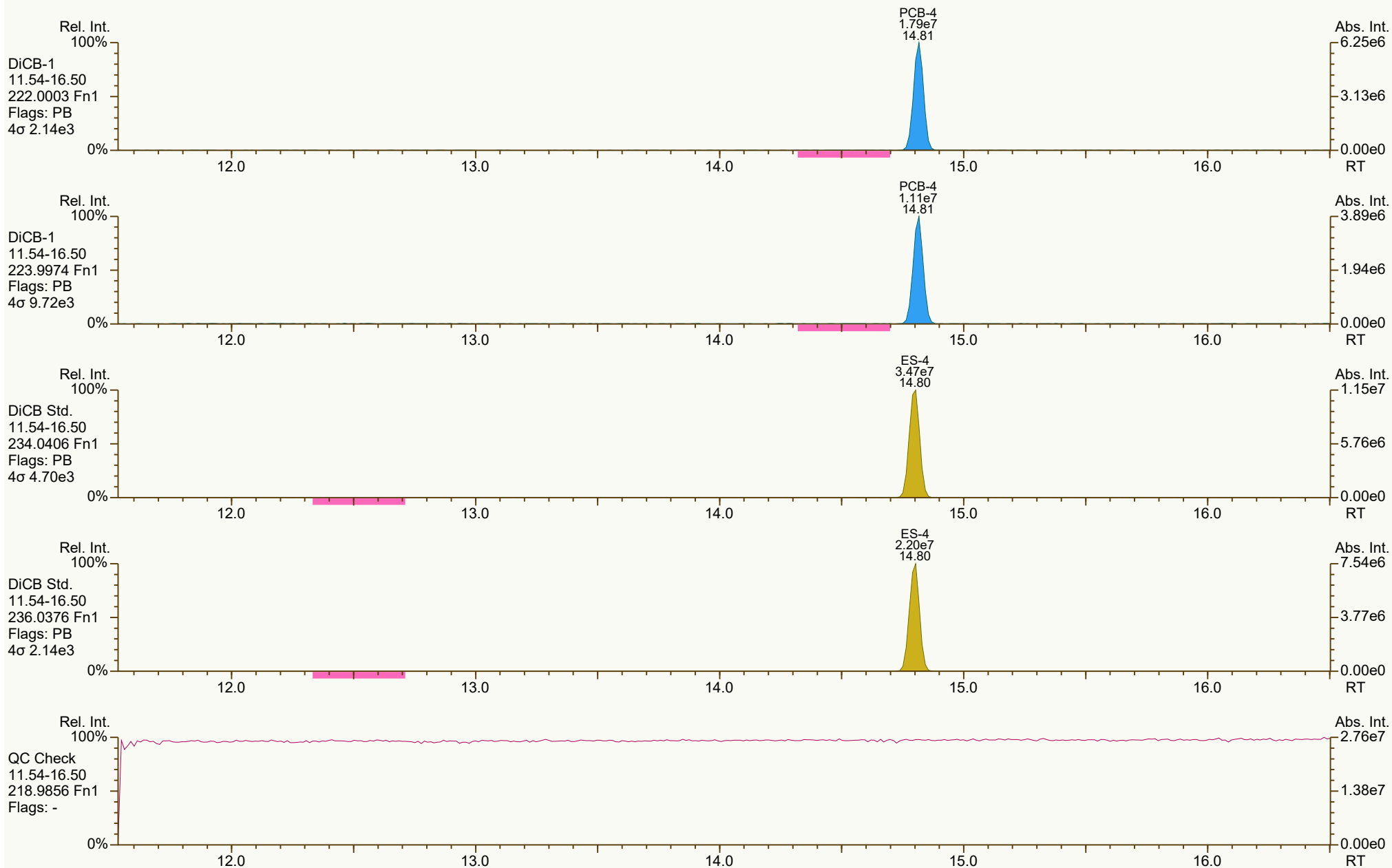
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7067, 1758 scc: 666-967

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
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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



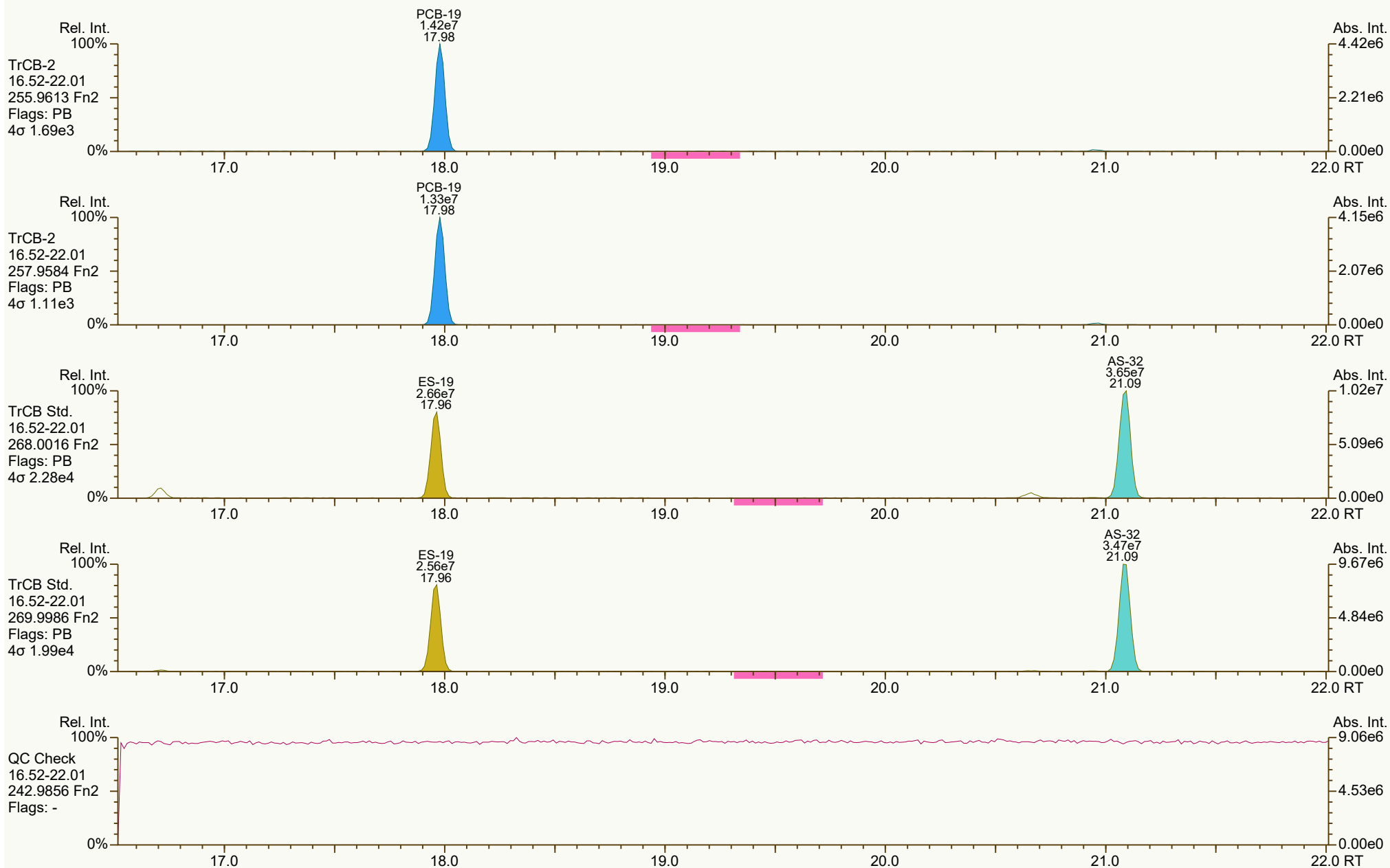
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1630, 2769 scc: 666-967

Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:45 (JHL) Printed: 08-May-2024 10:43 Page 4 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



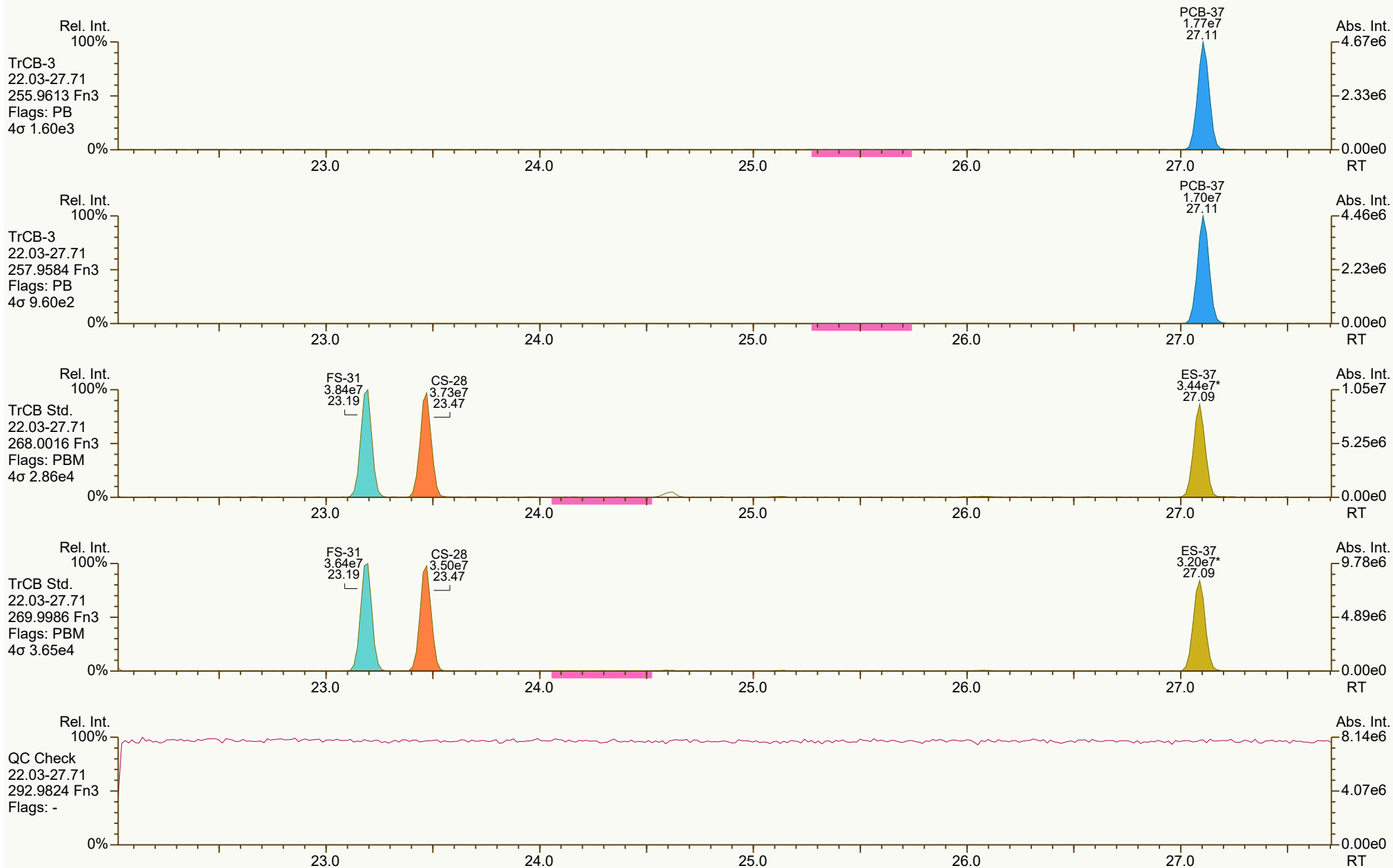
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1357, 4143 scc: 666-967

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



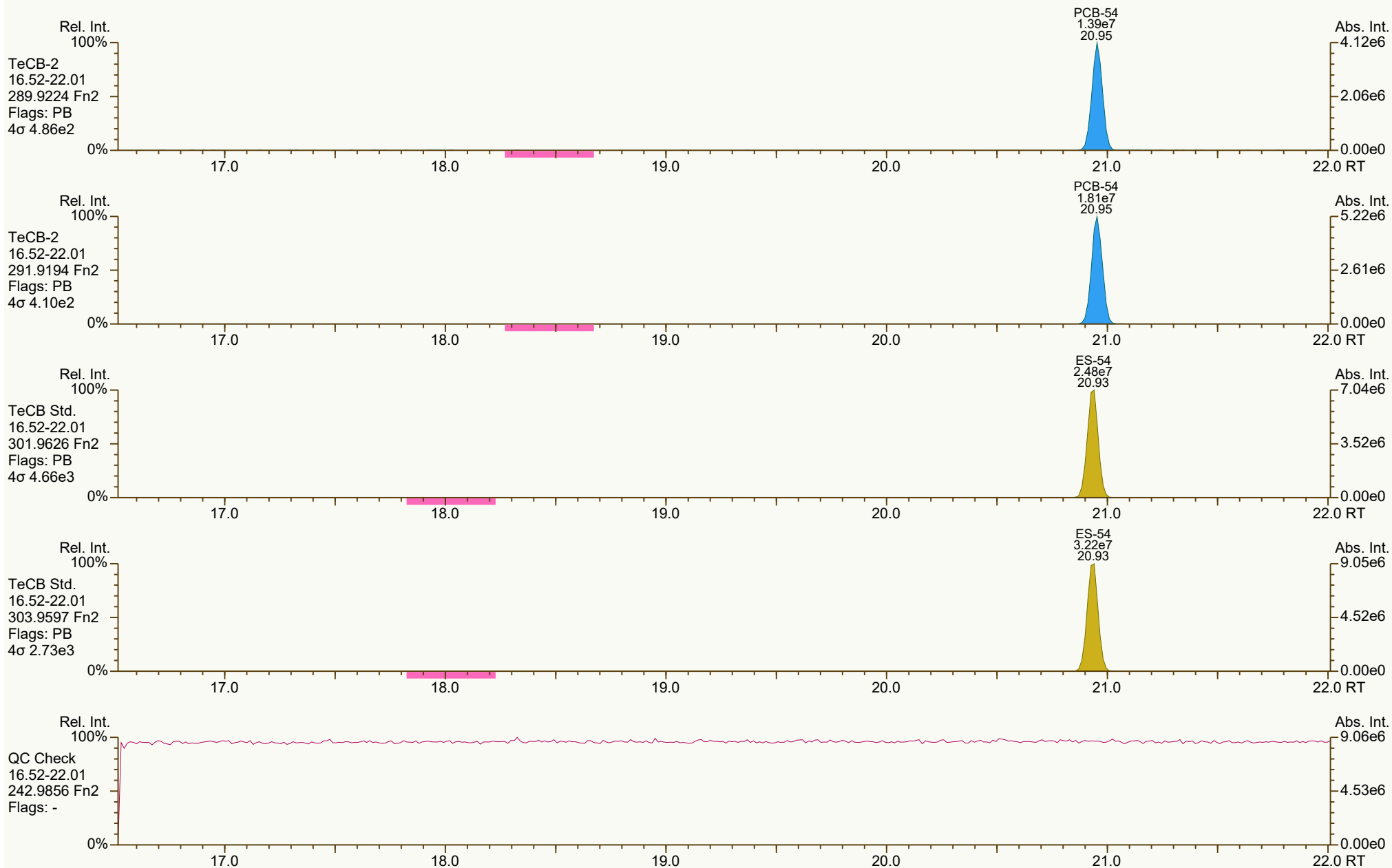
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4192, 3958 scc: 666-967

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



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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



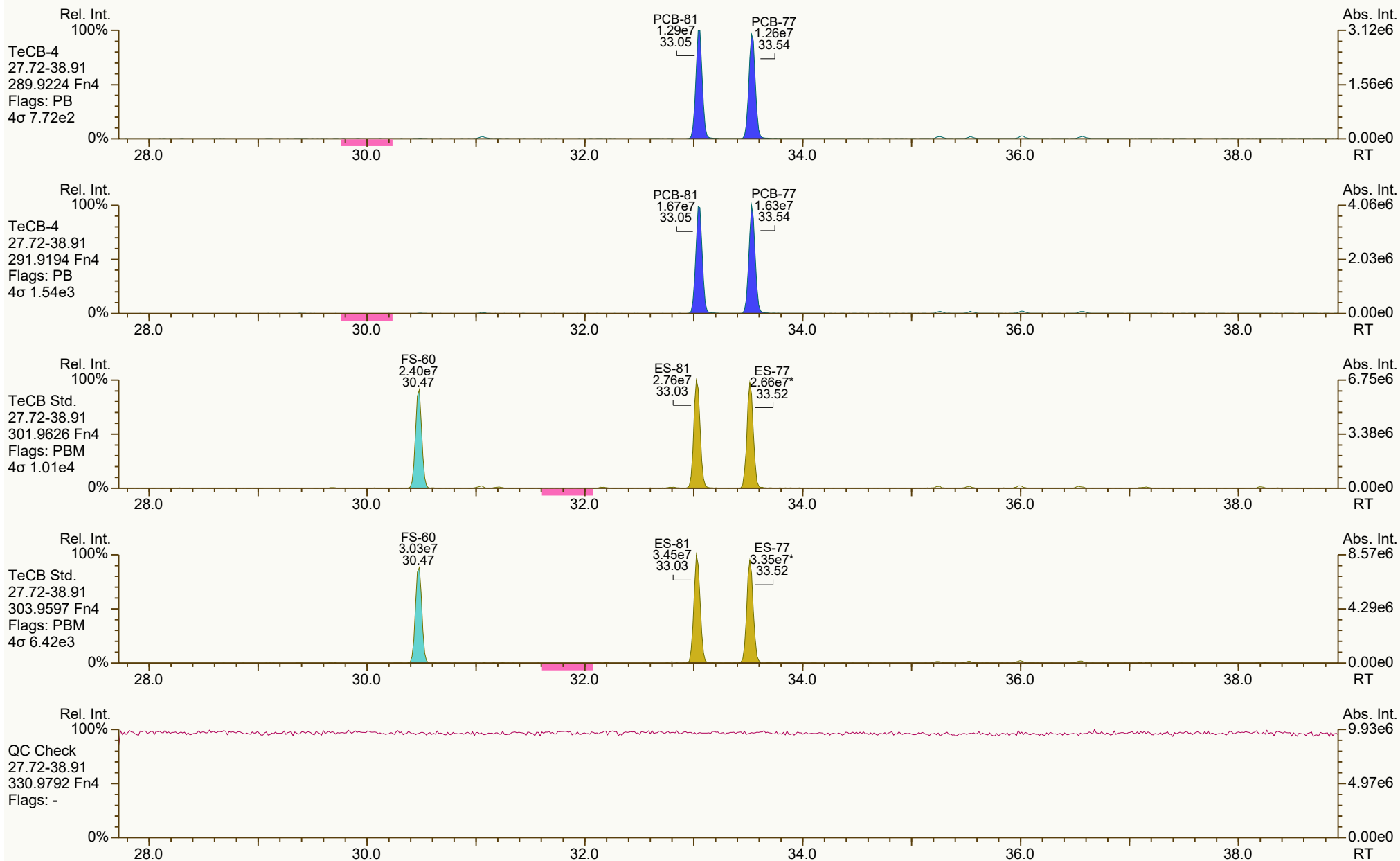
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:43 Page 8 of 21

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



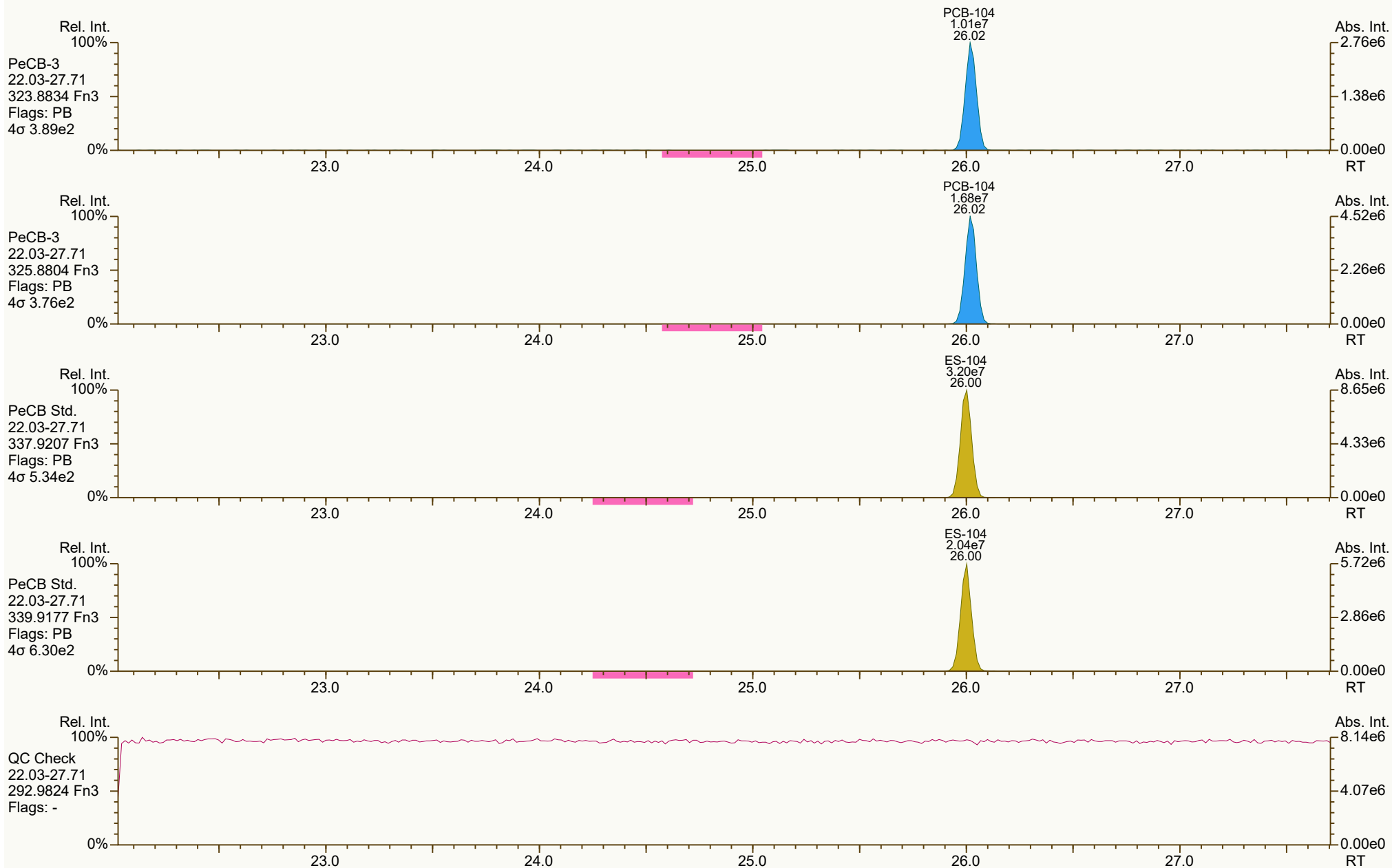
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:45 (JHL) Printed: 08-May-2024 10:43 Page 9 of 21

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

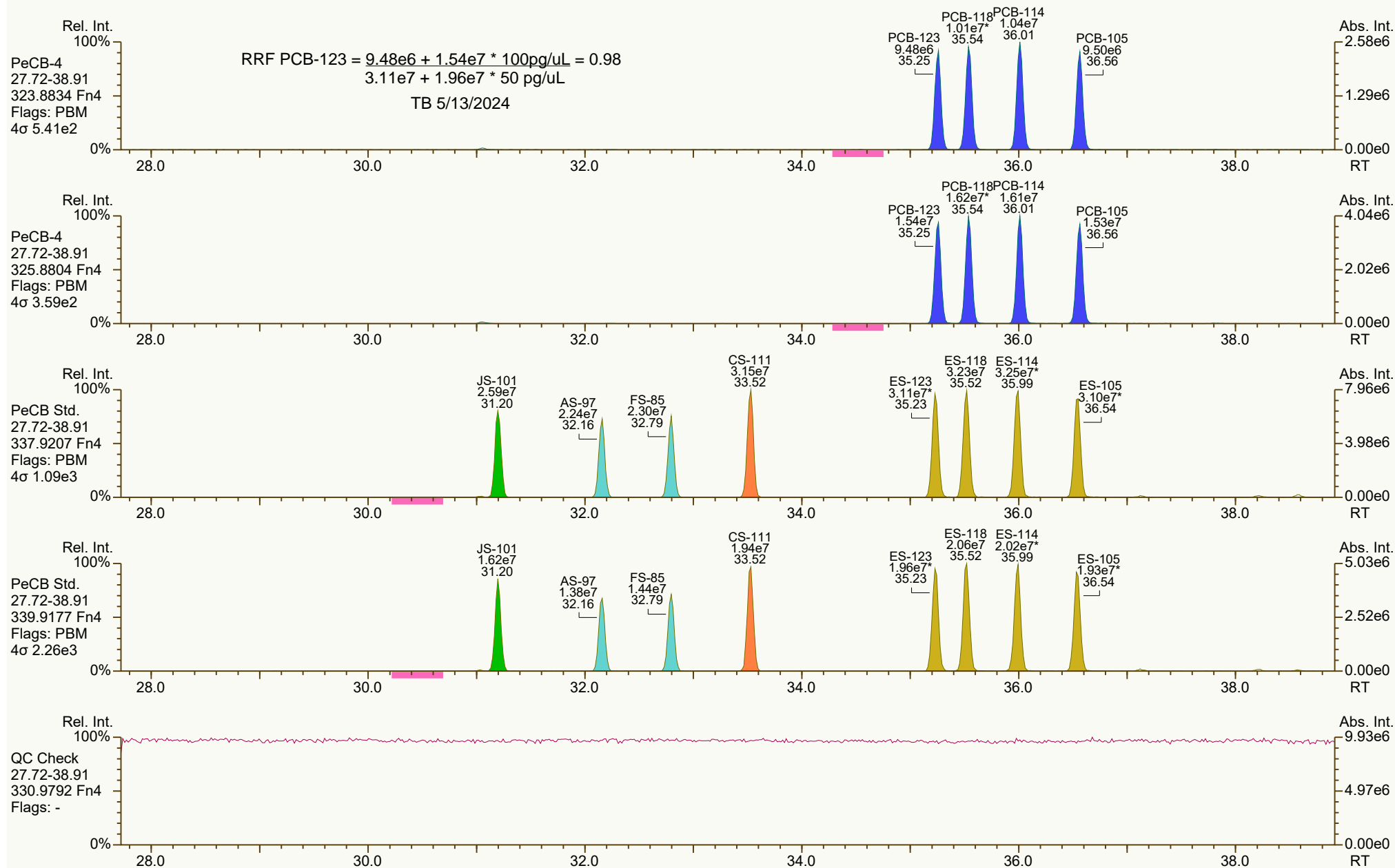
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SGS ID: CS3_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

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



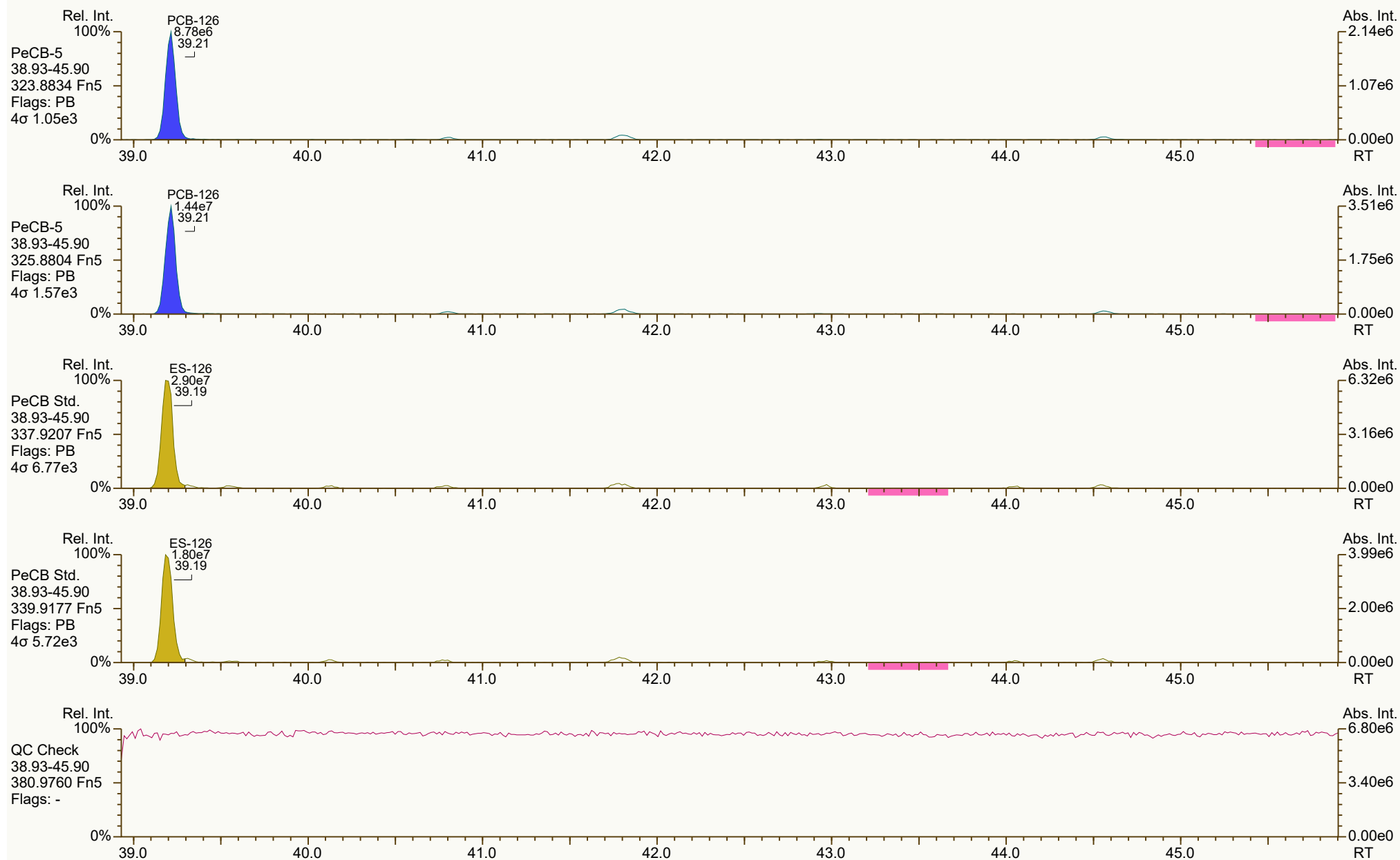
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1345, 8332 scc: 666-967

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



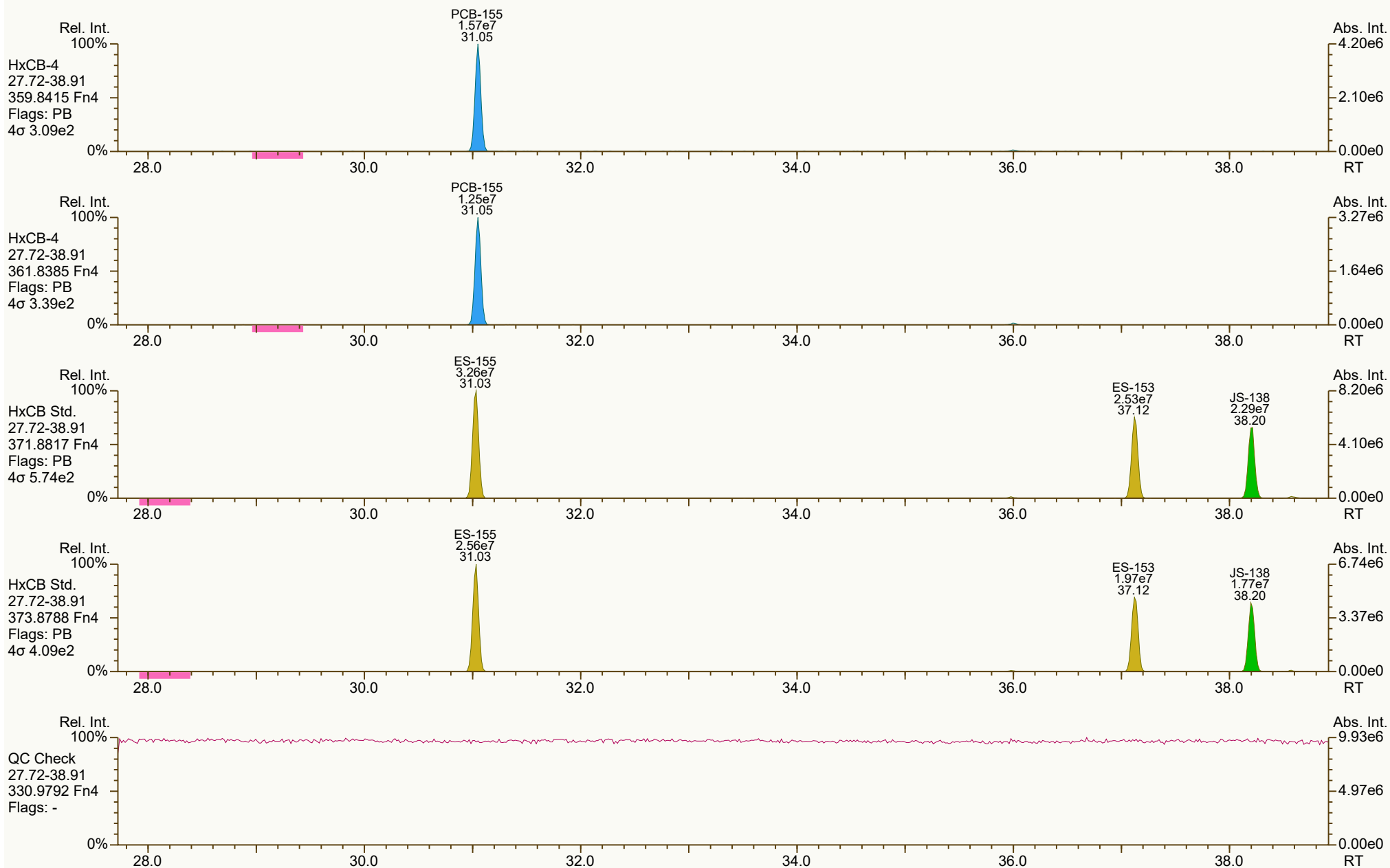
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 2212, 1951 scc: 666-967

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



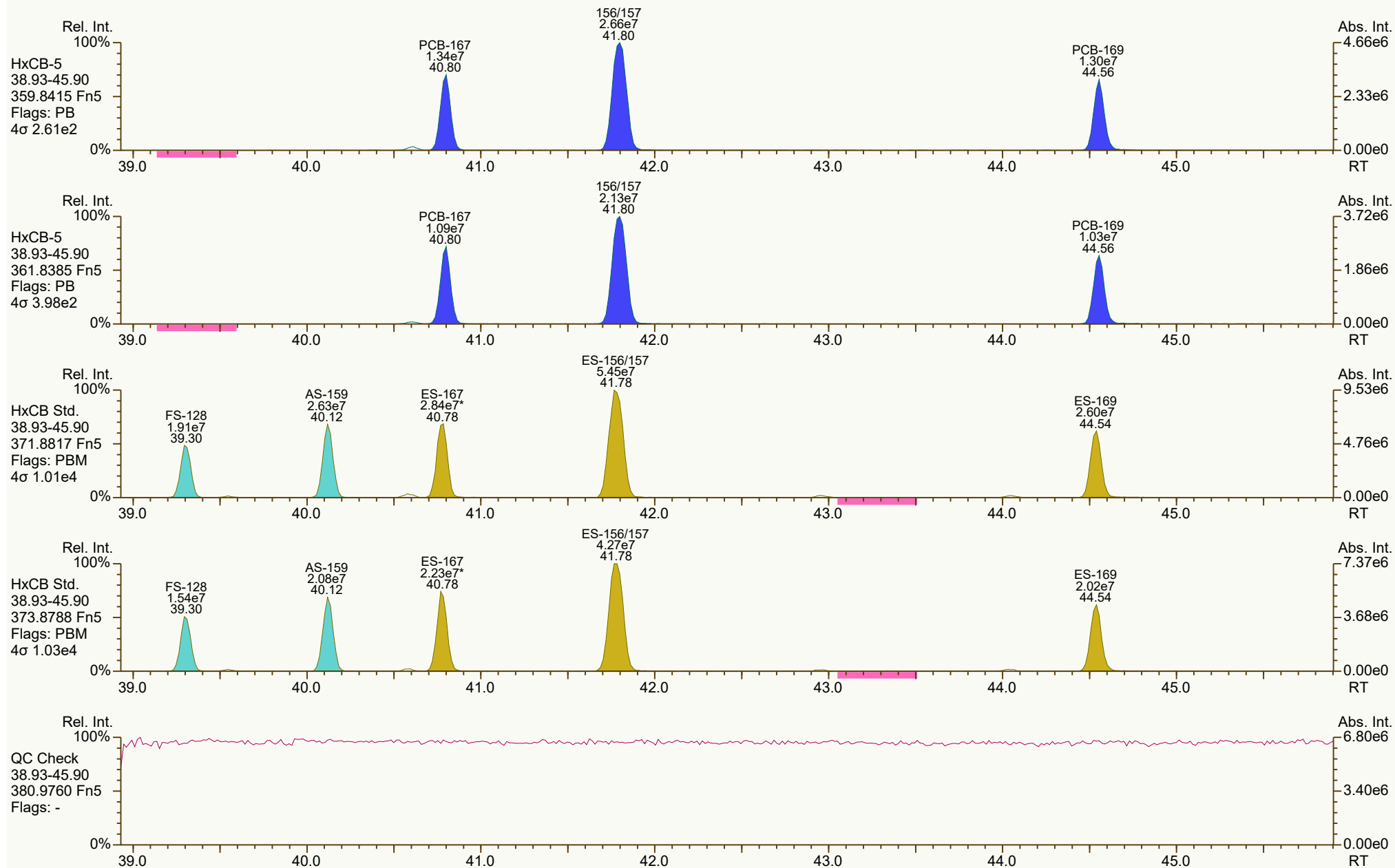
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 7154, 0798 scc: 666-967

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



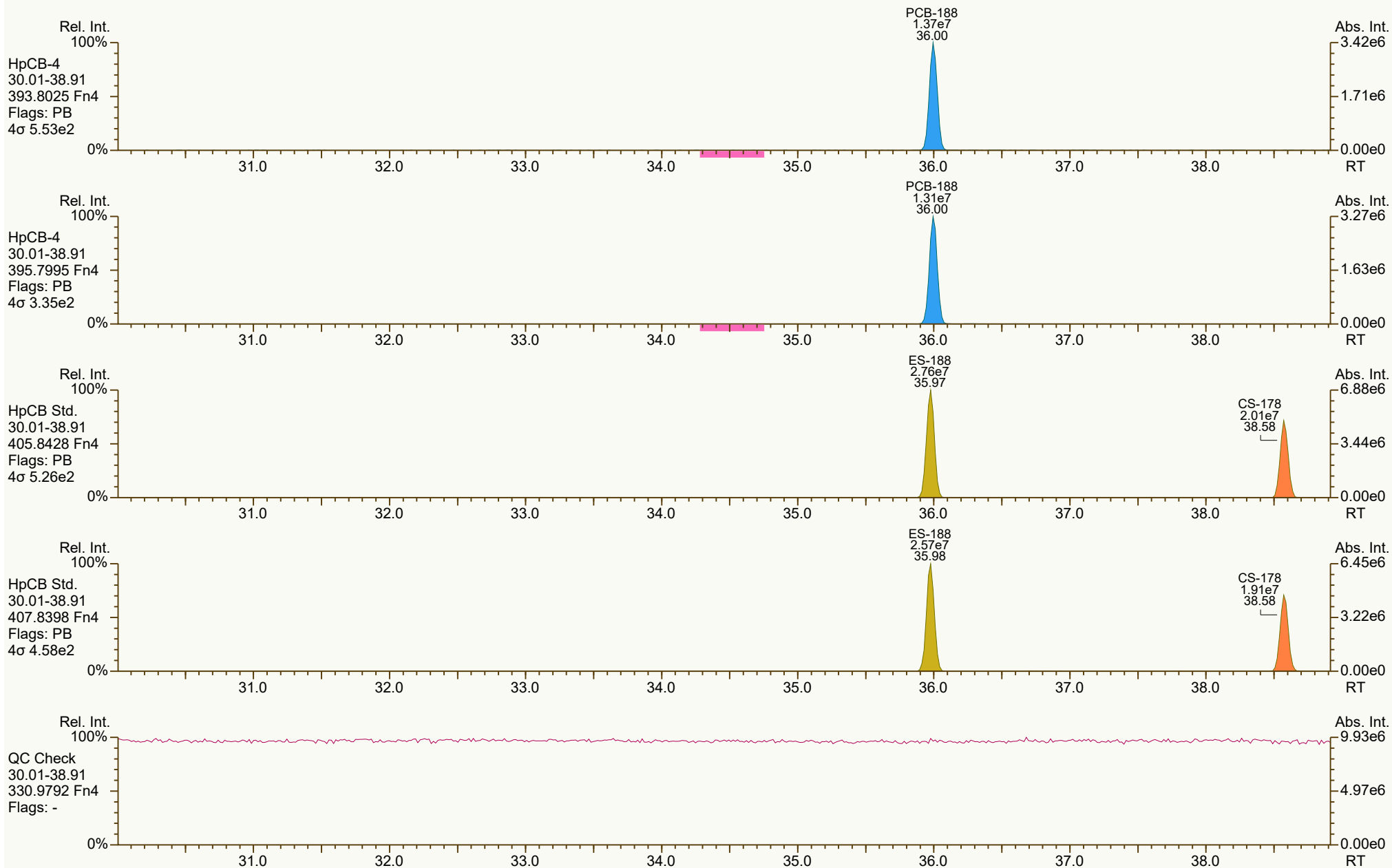
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1725, 0567 scc: 666-967

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



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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



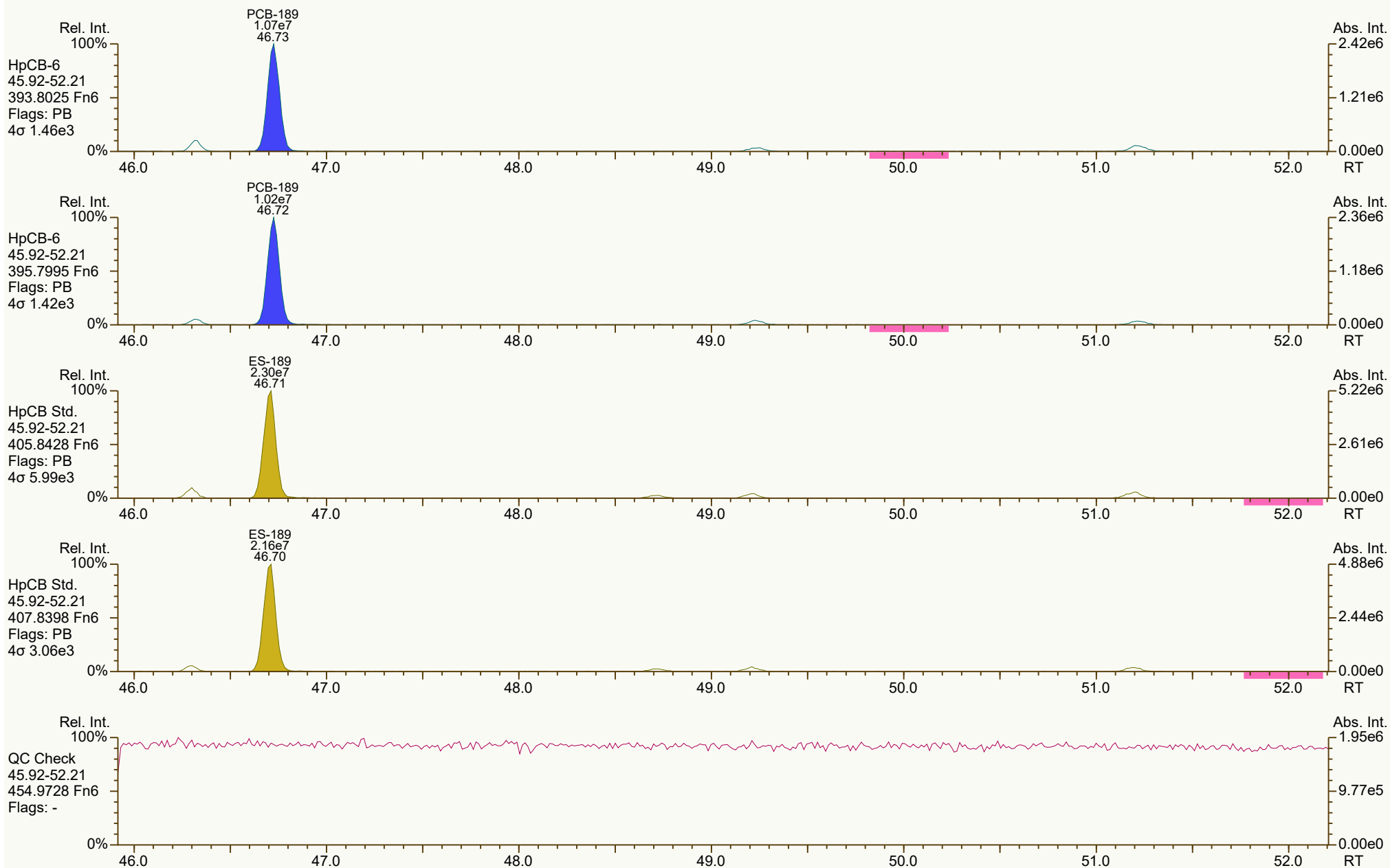
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 16 of 21

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



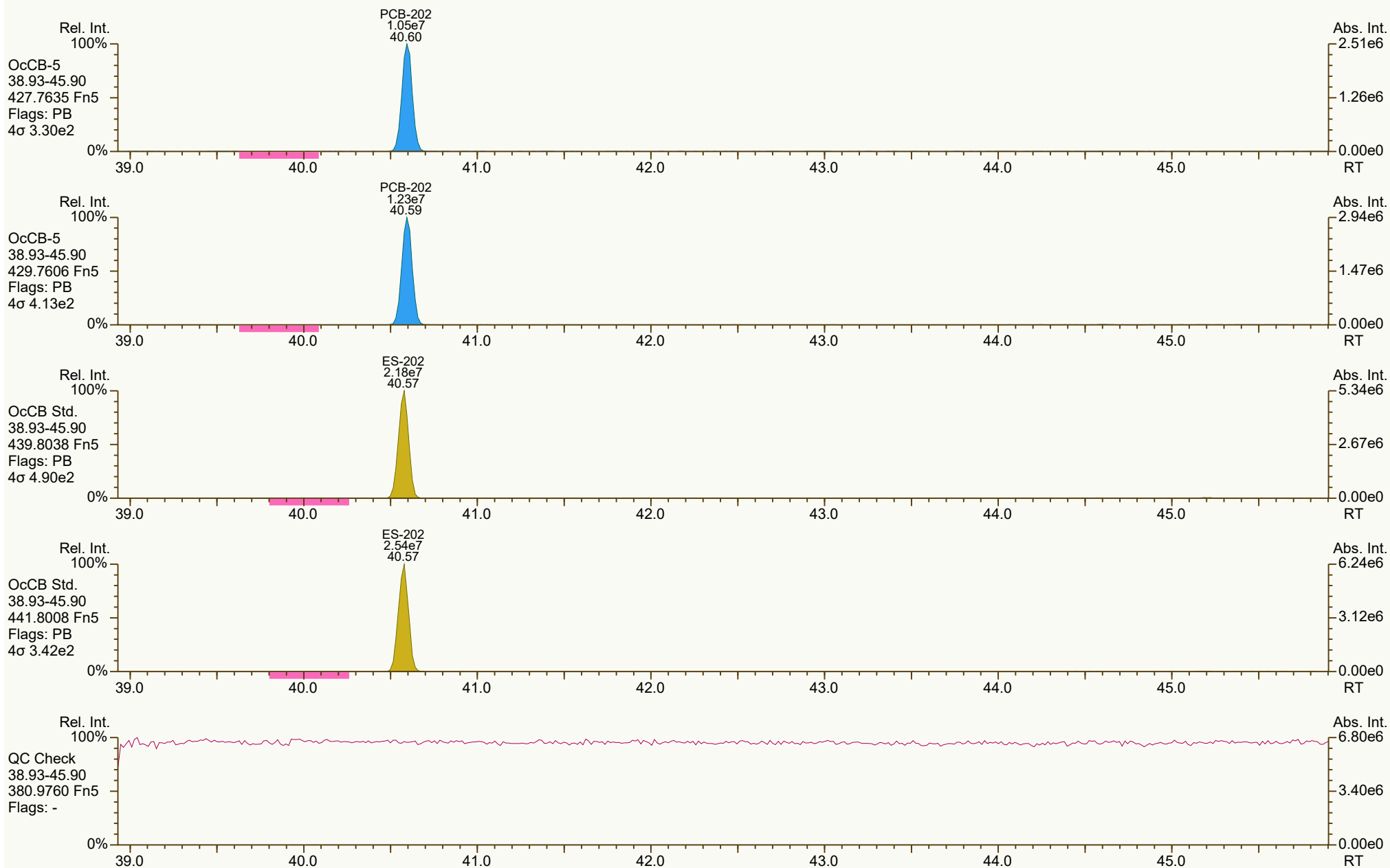
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 17 of 21

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



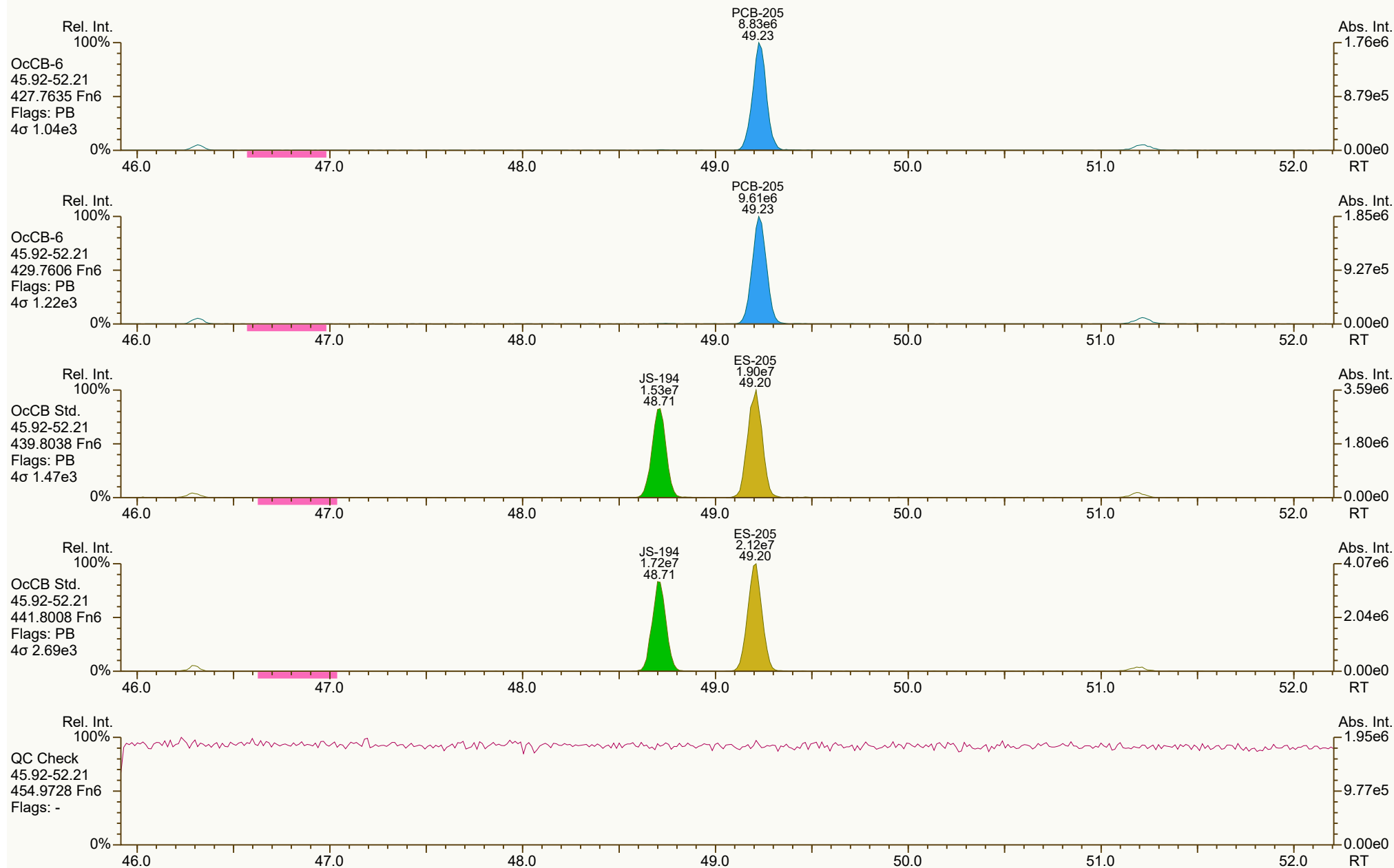
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 18 of 21

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



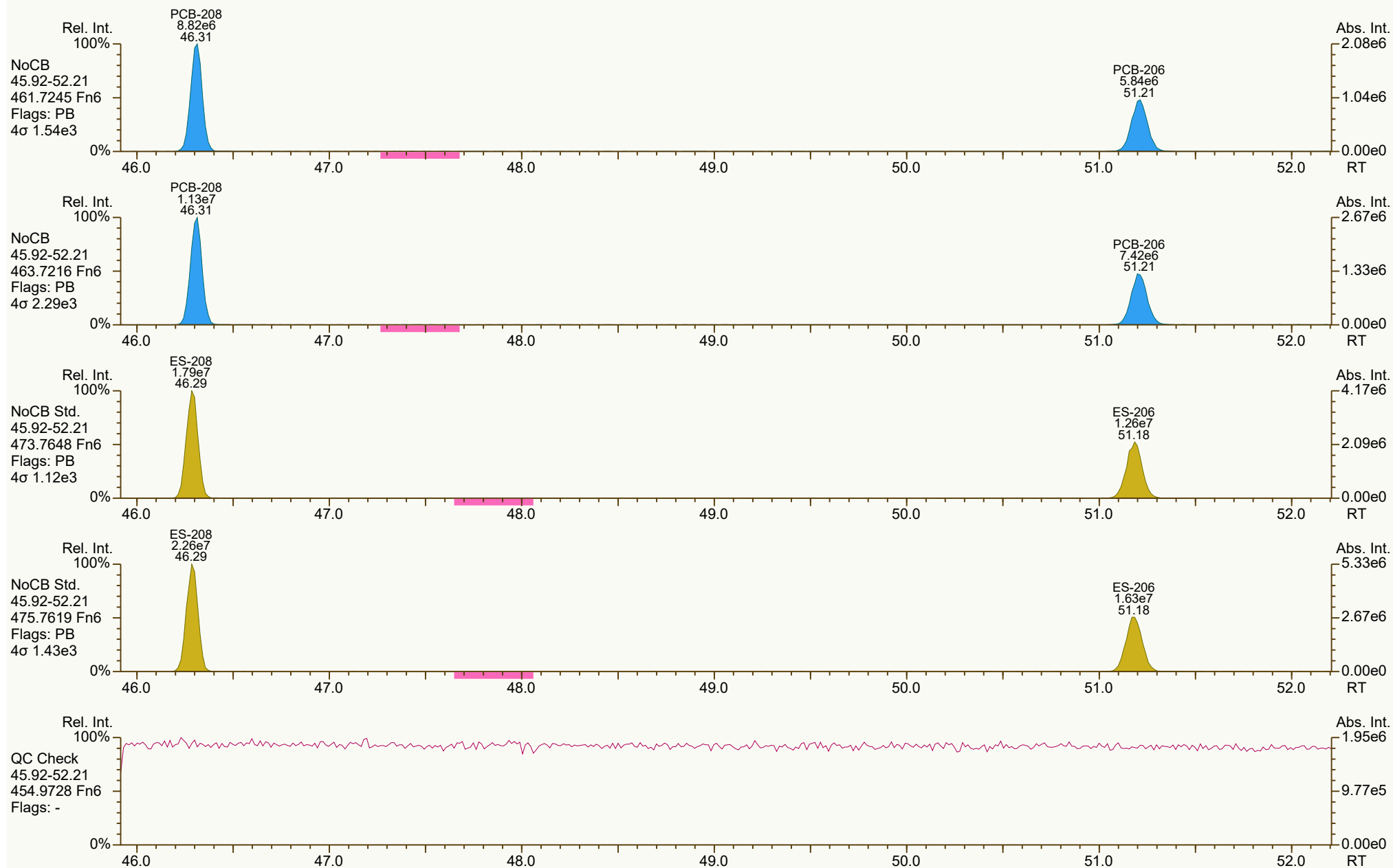
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 19 of 21

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



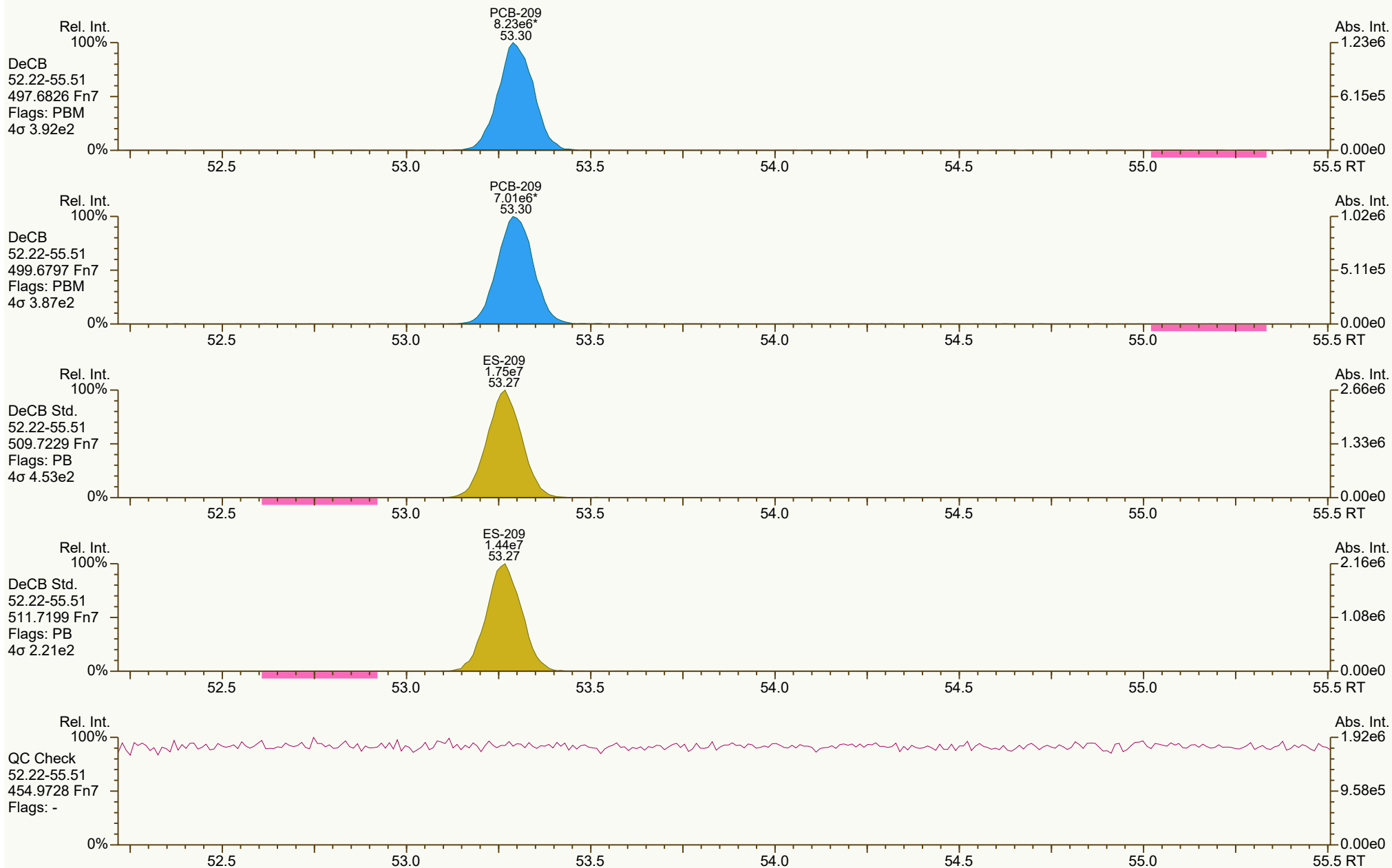
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:15 Printed: 08-May-2024 10:44 Page 20 of 21

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



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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

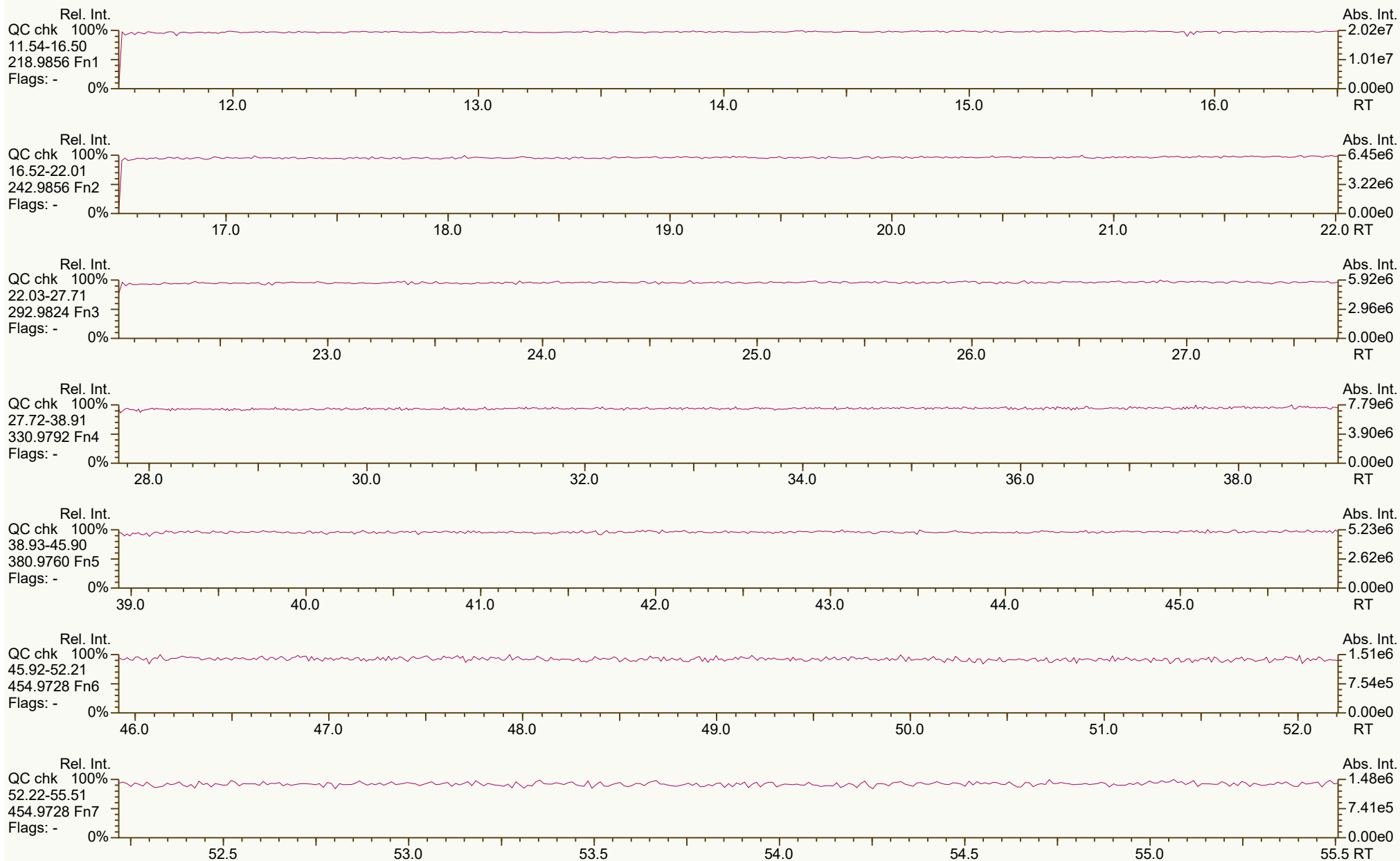
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-77 33'44'-TeCB	33.52	2.17E+08	0.78 Y	0.95	1.05	11.1%
PCB-81 344'5'-TeCB	33.04	2.19E+08	0.78 Y	0.94	1.02	8.4%
PCB-105 233'44'-PeCB	36.55	1.90E+08	0.62 Y	0.97	1.08	11.8%
PCB-114 2344'5'-PeCB	36.00	2.05E+08	0.66 Y	0.96	1.07	11.4%
PCB-118 23'44'5'-PeCB	35.53	1.98E+08	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



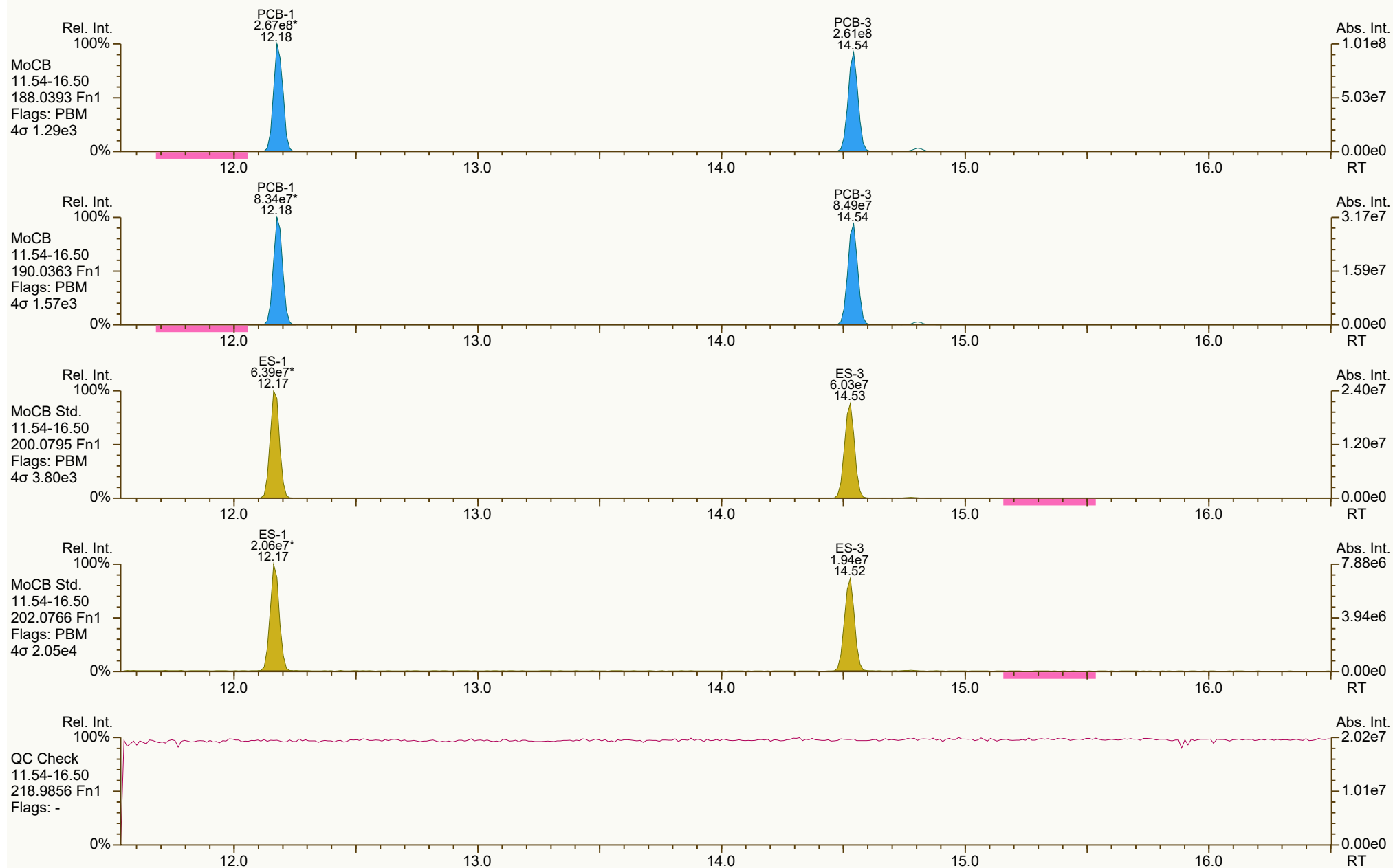
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 290-400

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
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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
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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



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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



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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



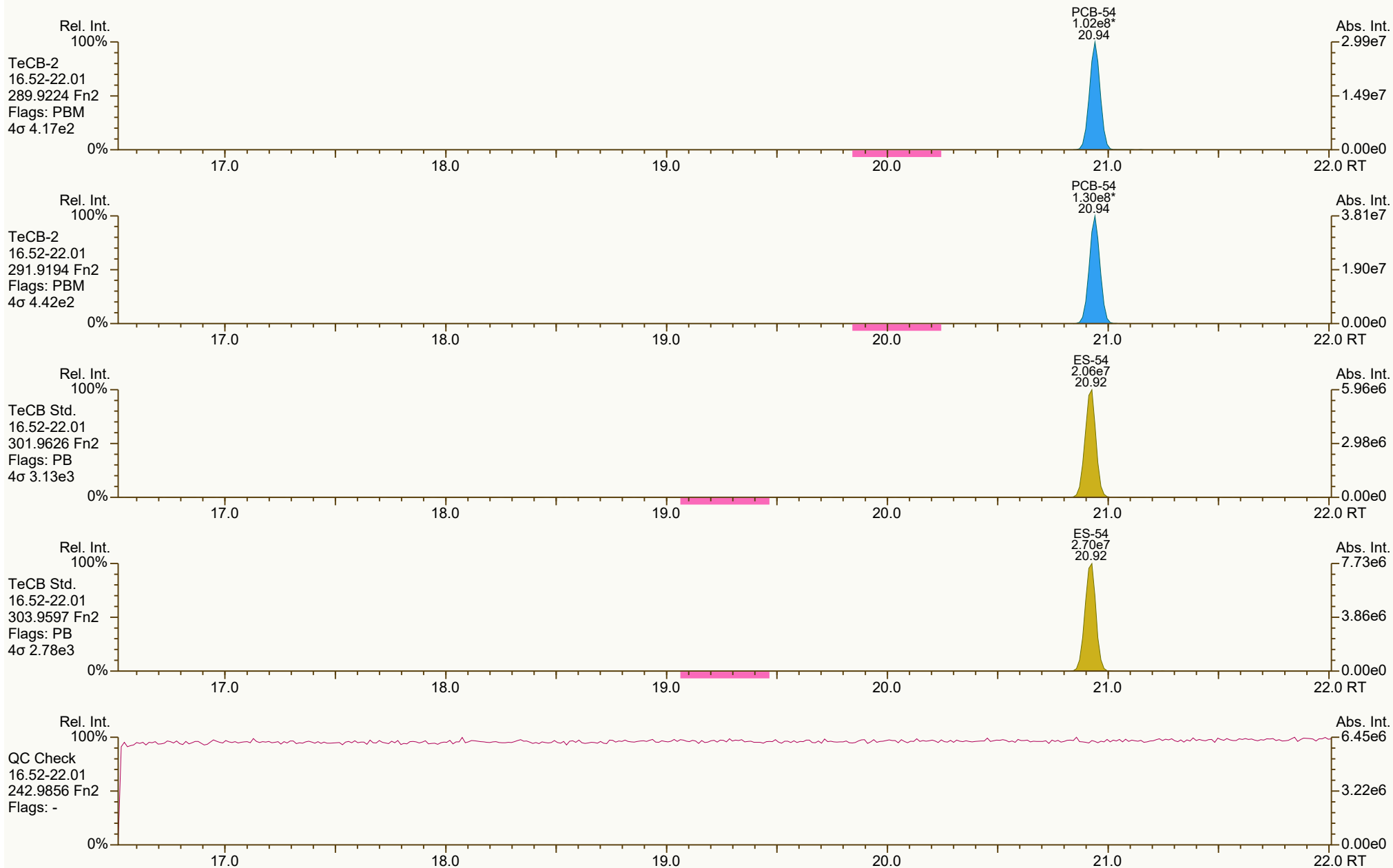
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 6 of 21

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



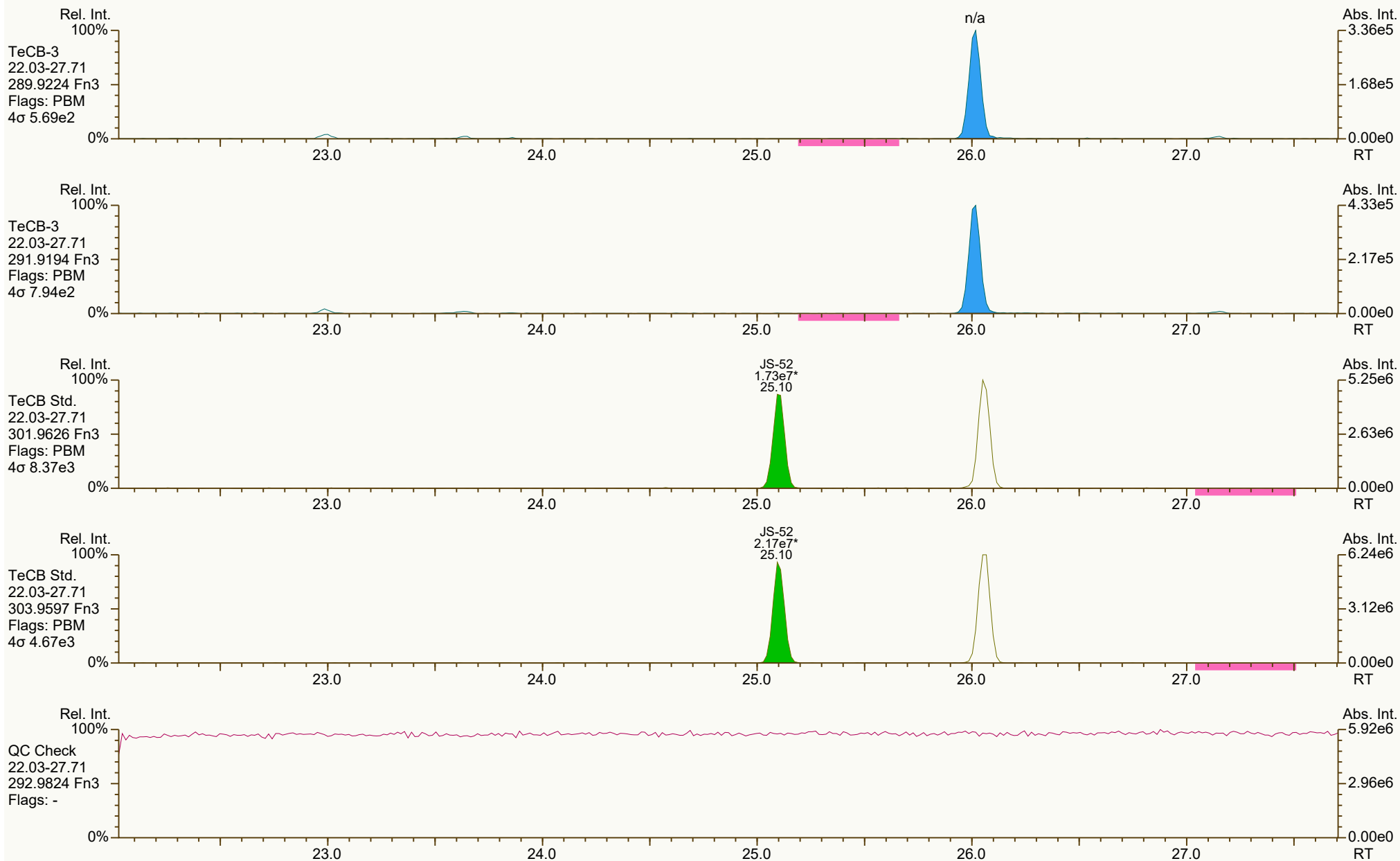
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6129, 7353 scc: 290-400

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

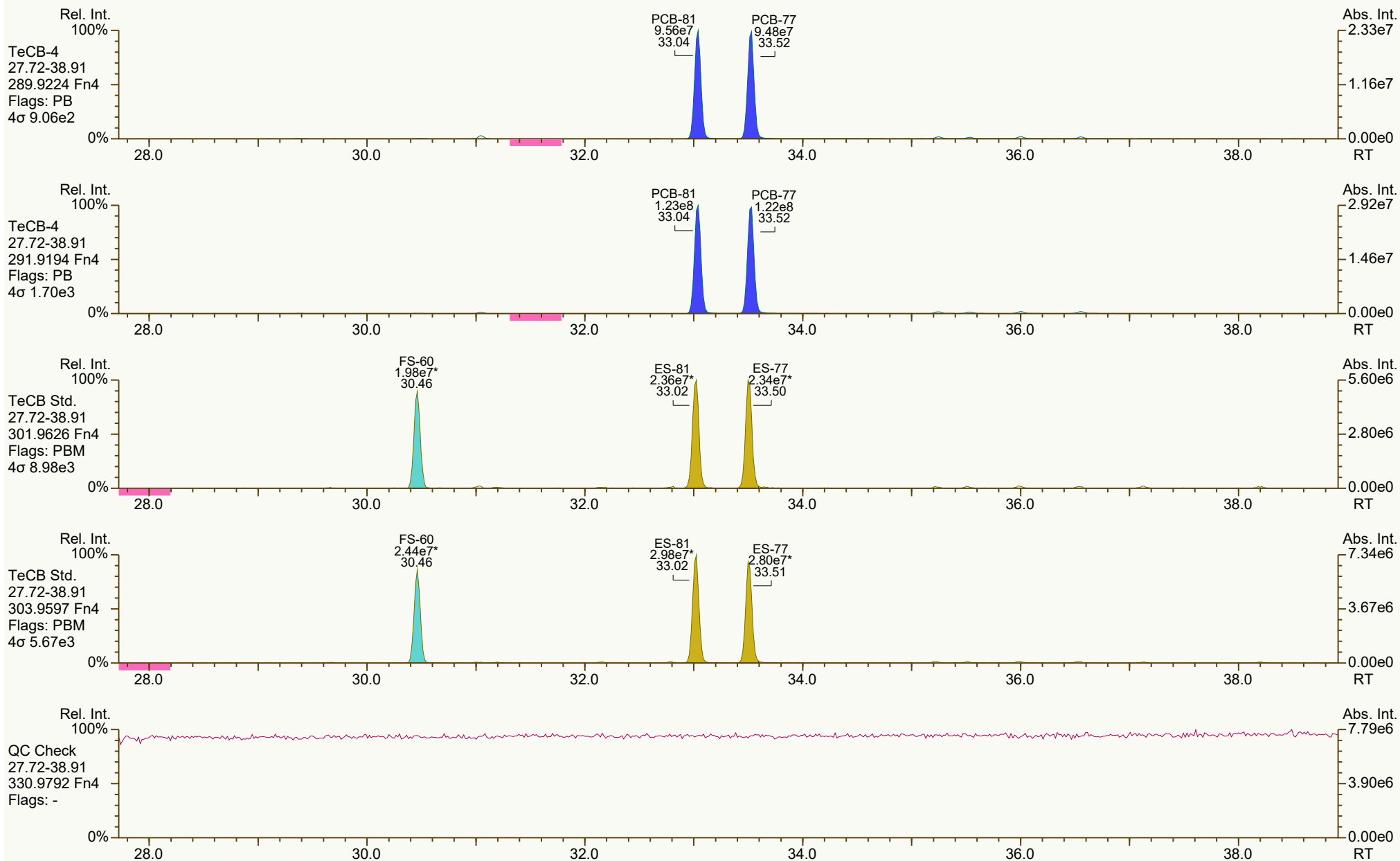
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SGS ID: CS4_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

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



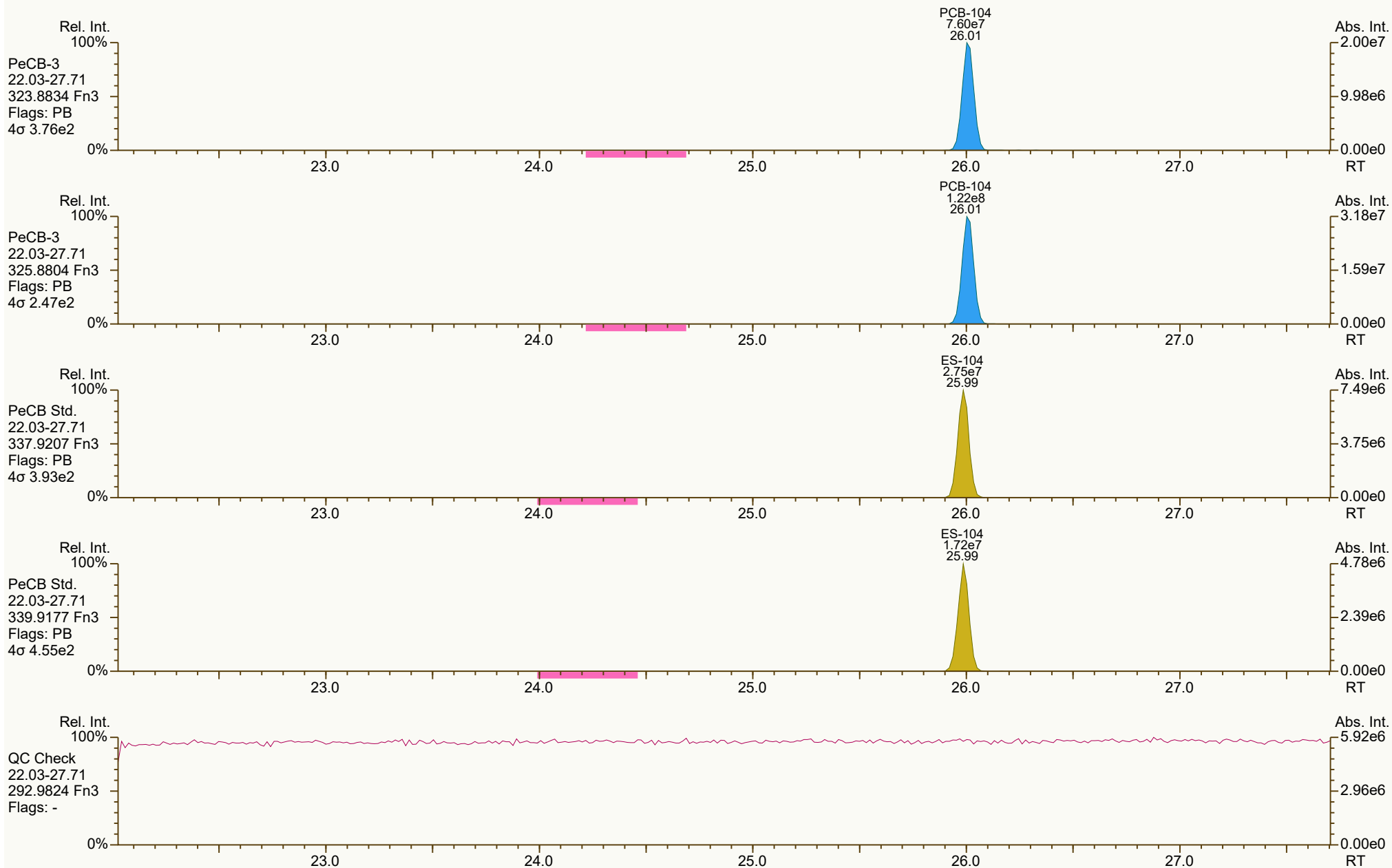
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9928, 5907 scc: 290-400

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

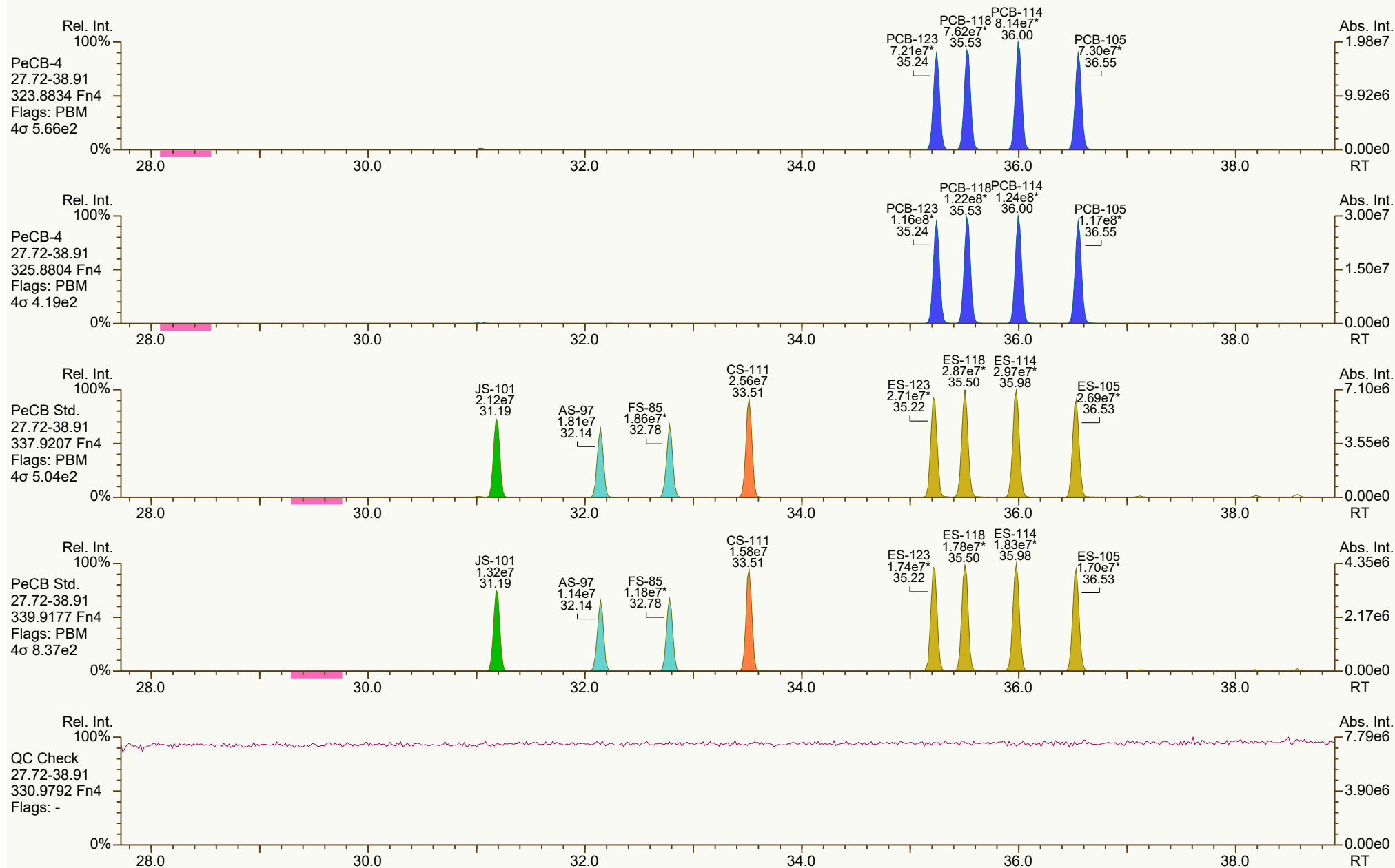
Acq: 03-May-2024 11:51:22
User: PSW Datafile: 240503B07



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



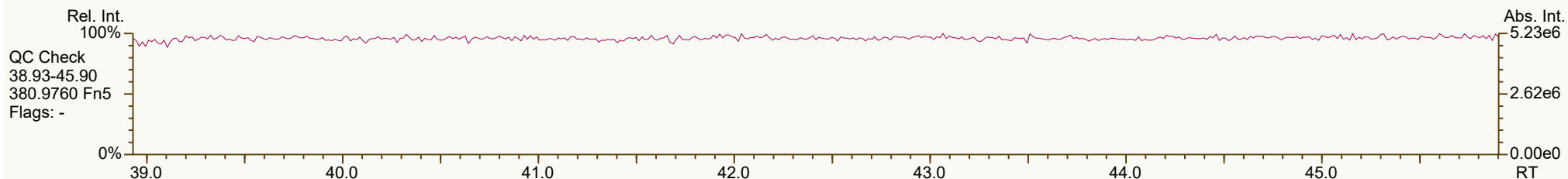
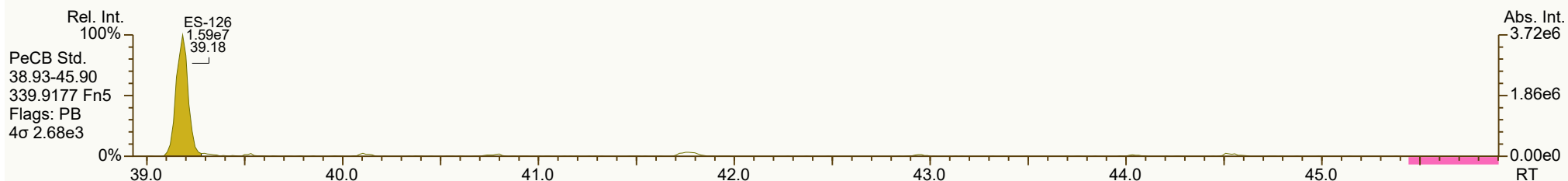
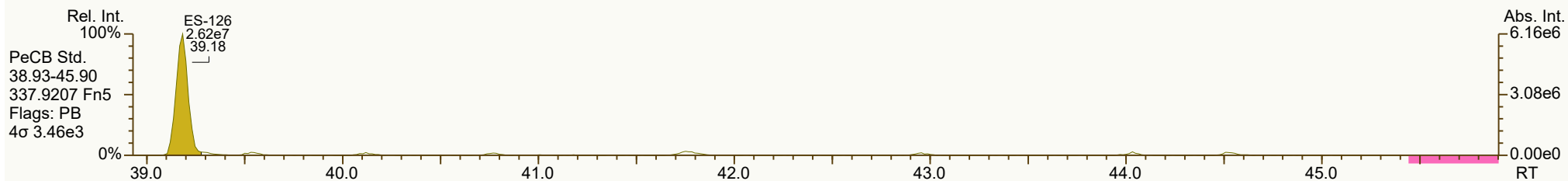
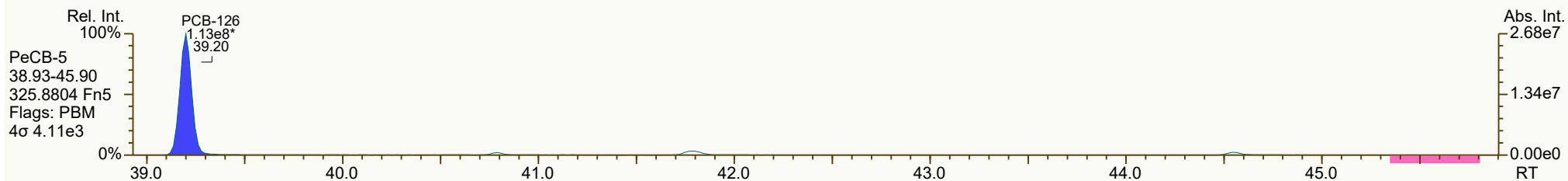
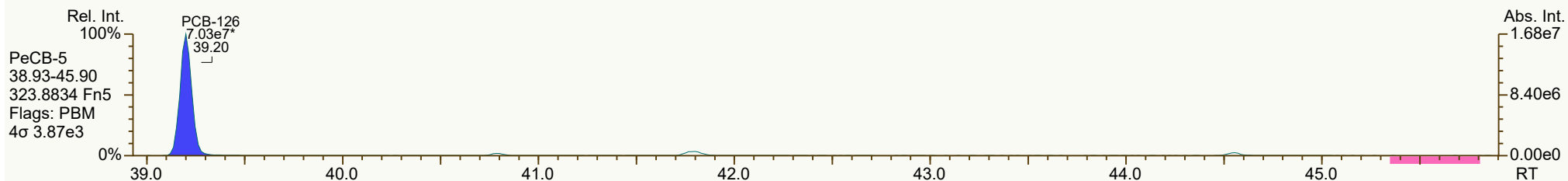
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8854, 5542 scc: 290-400

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



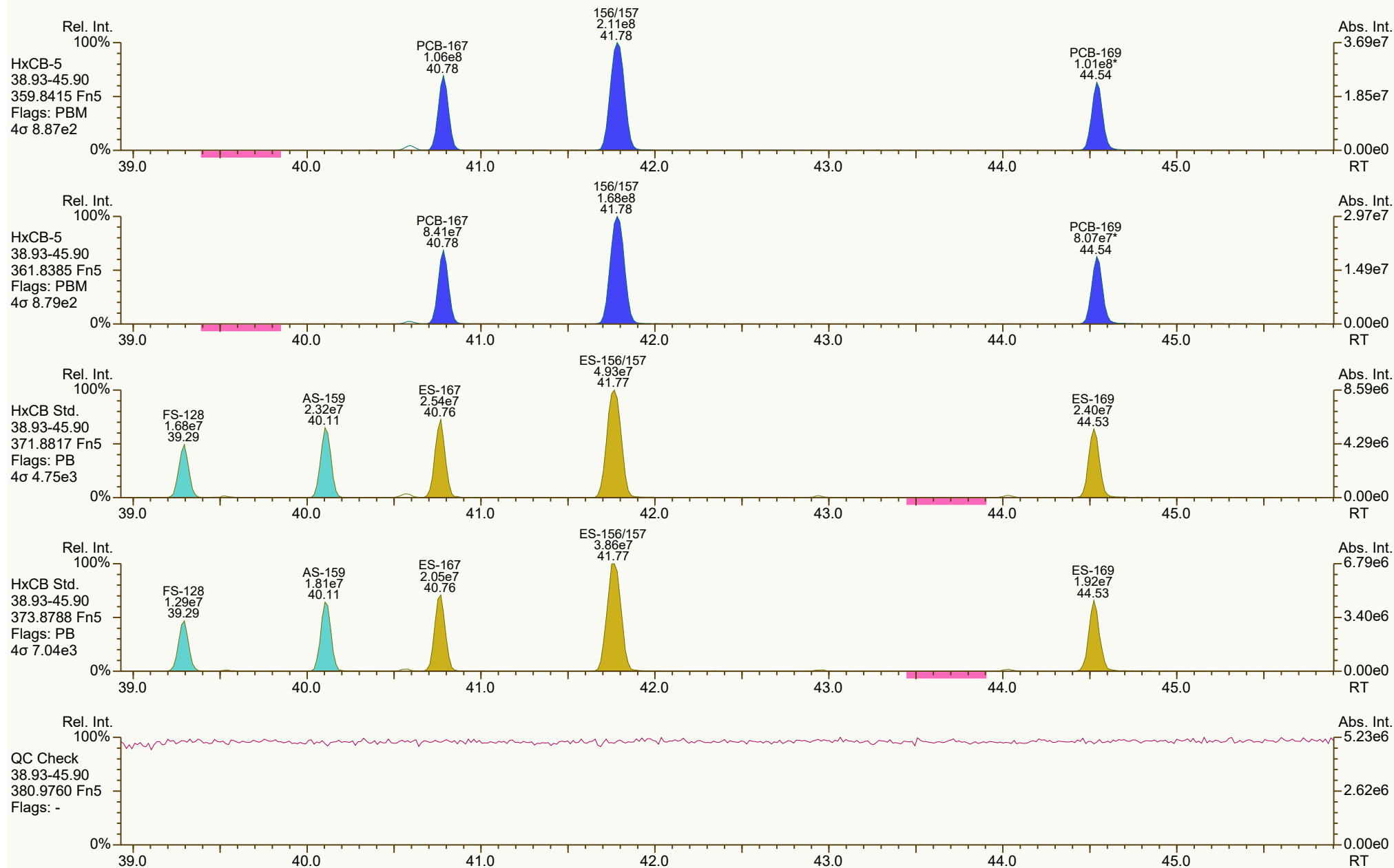
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0253, 1158 scc: 290-400

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



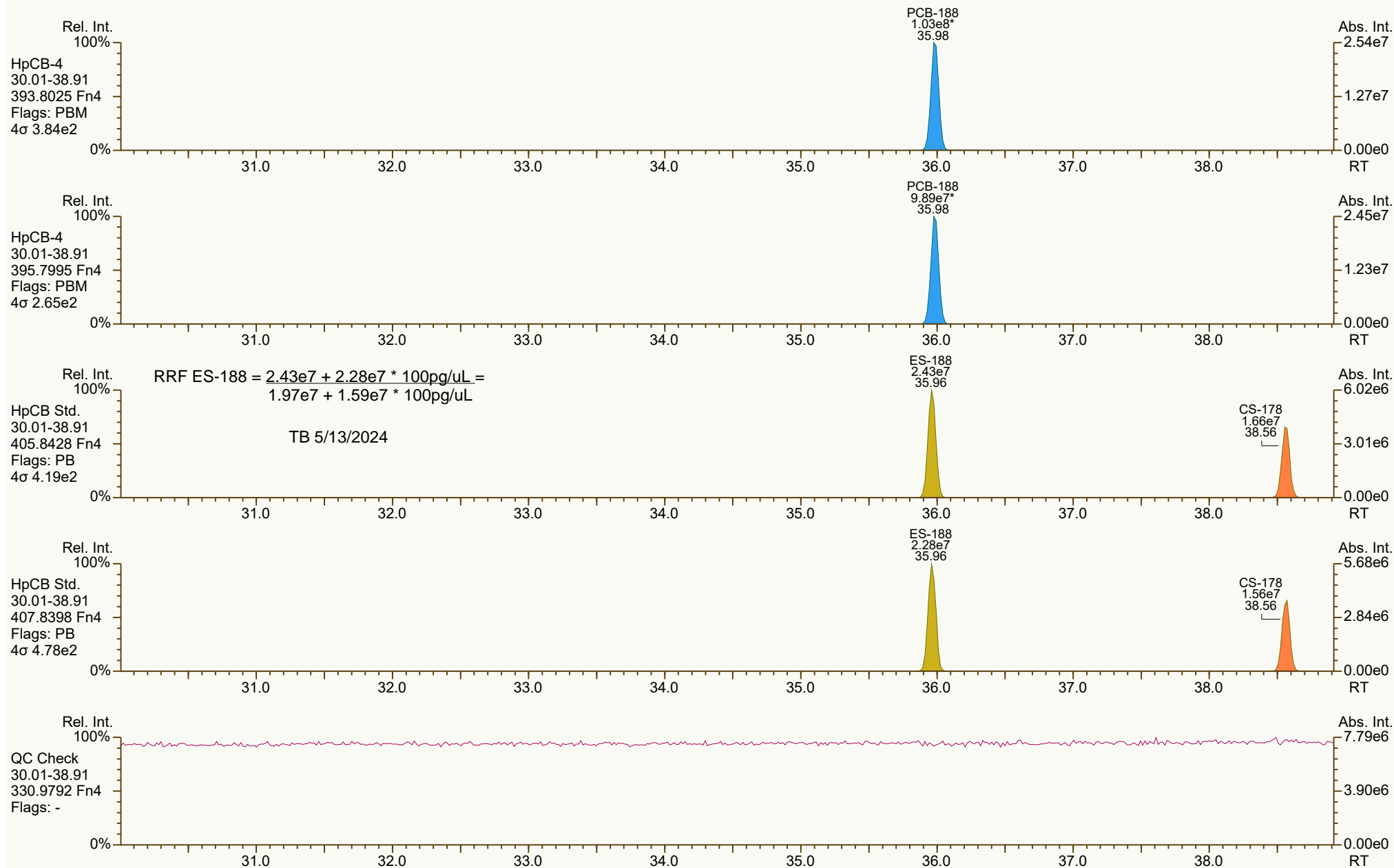
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 14 of 21

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



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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



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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



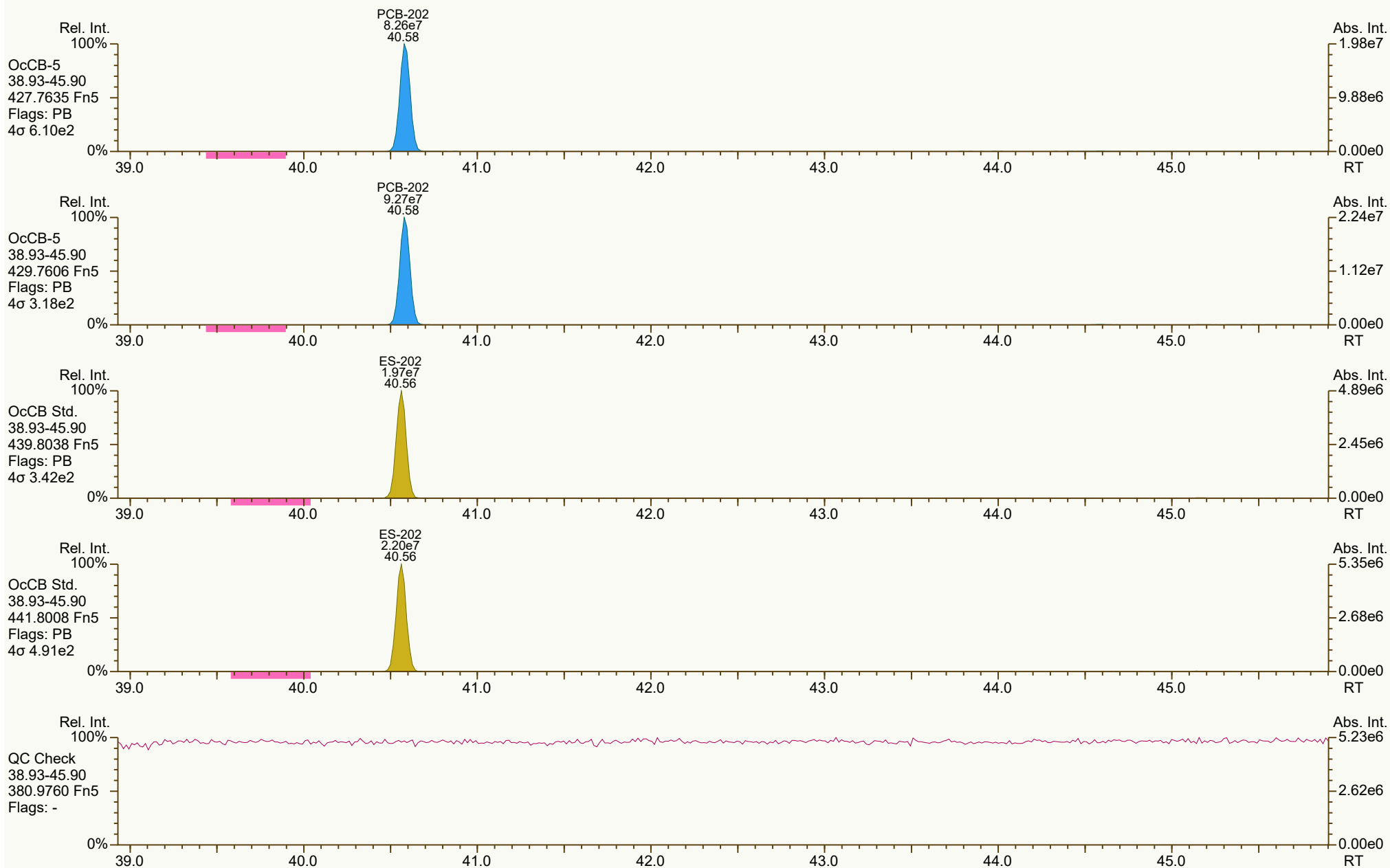
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:56 (JHL) Printed: 08-May-2024 10:44 Page 17 of 21

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



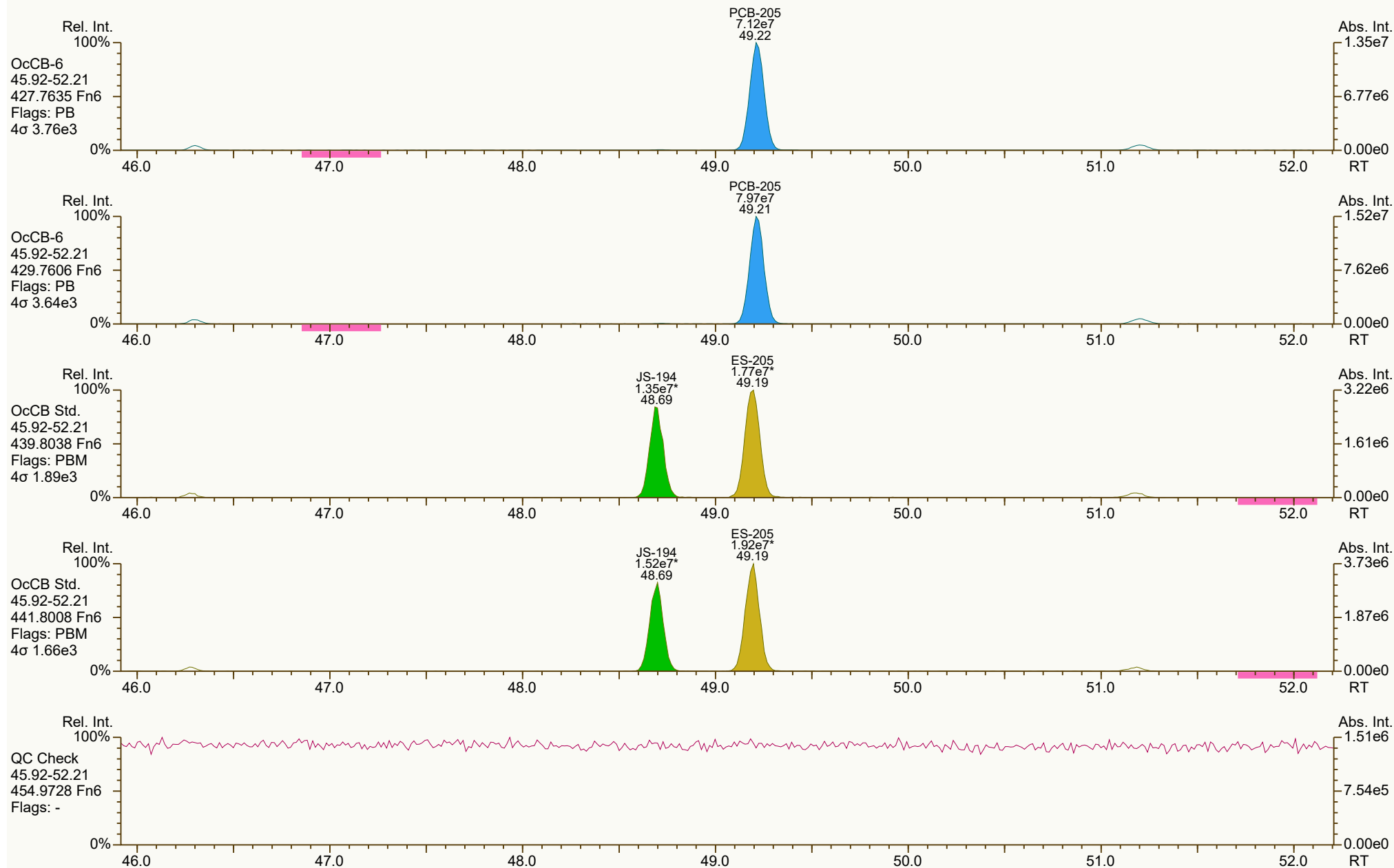
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Peak annotation: Areas, Centroids
PKD: 03-May-2024 15:59 Printed: 08-May-2024 10:44 Page 18 of 21

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



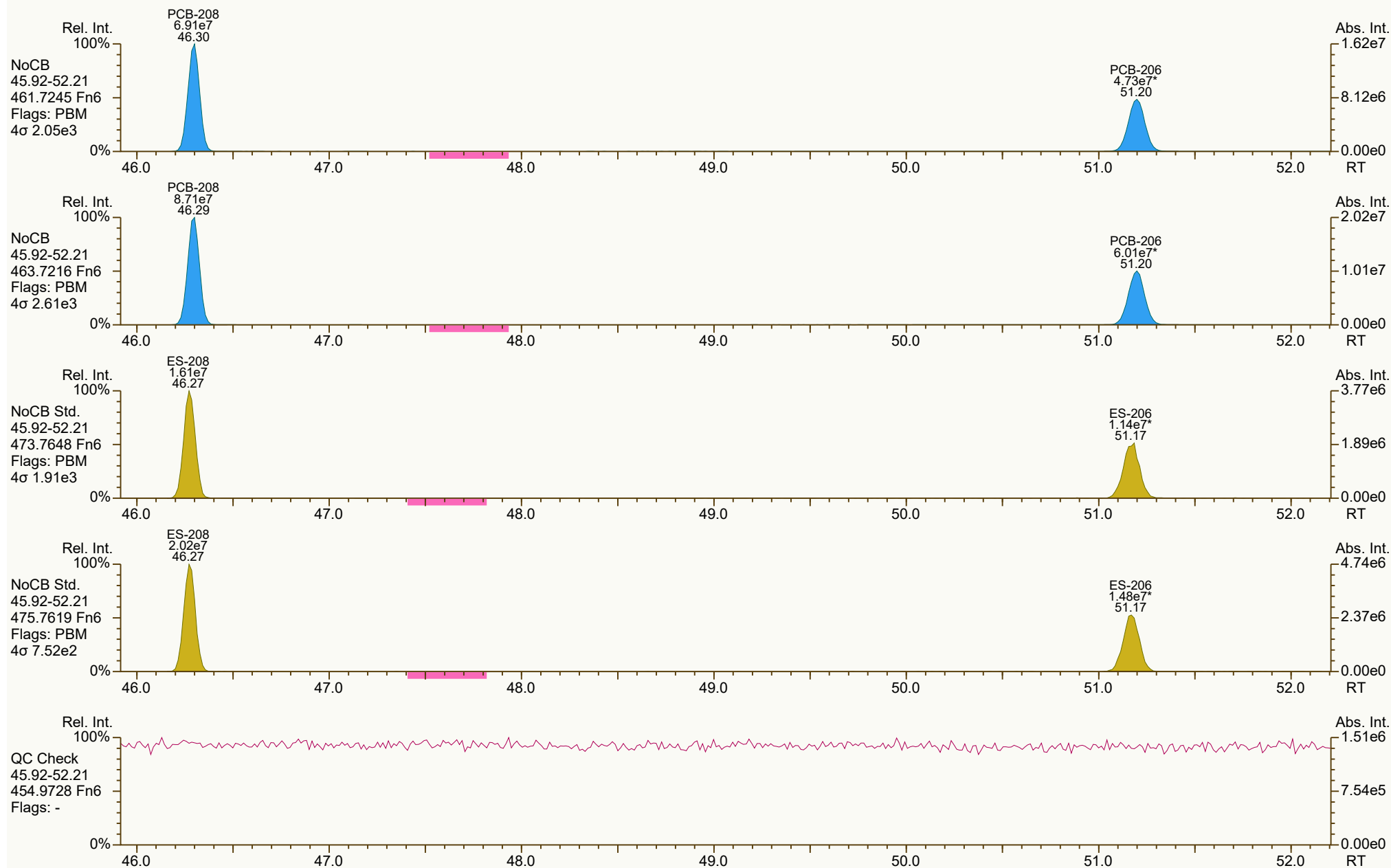
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:56 (JHL) Printed: 08-May-2024 10:44 Page 19 of 21

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



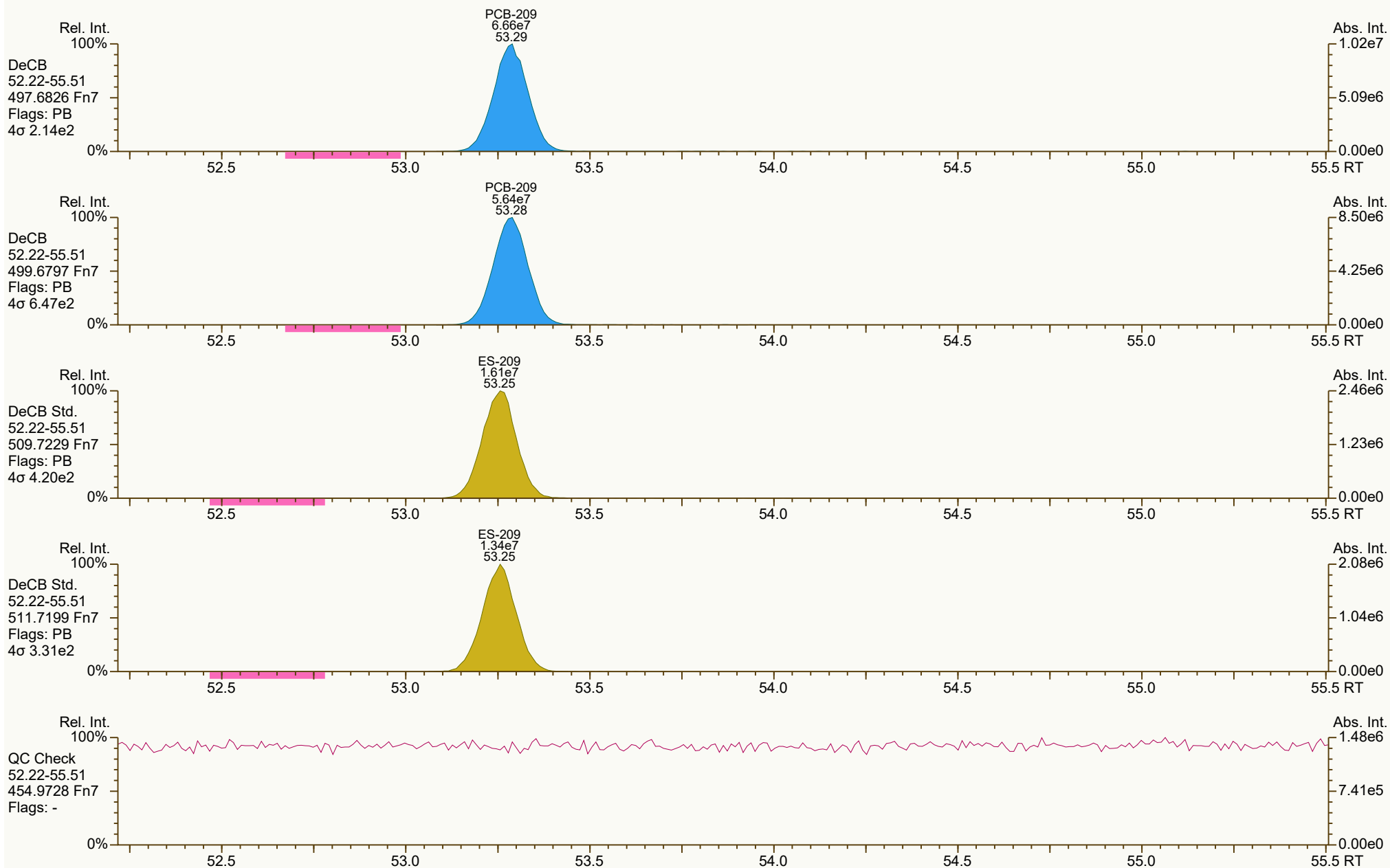
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4474, 0806 scc: 290-400

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



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



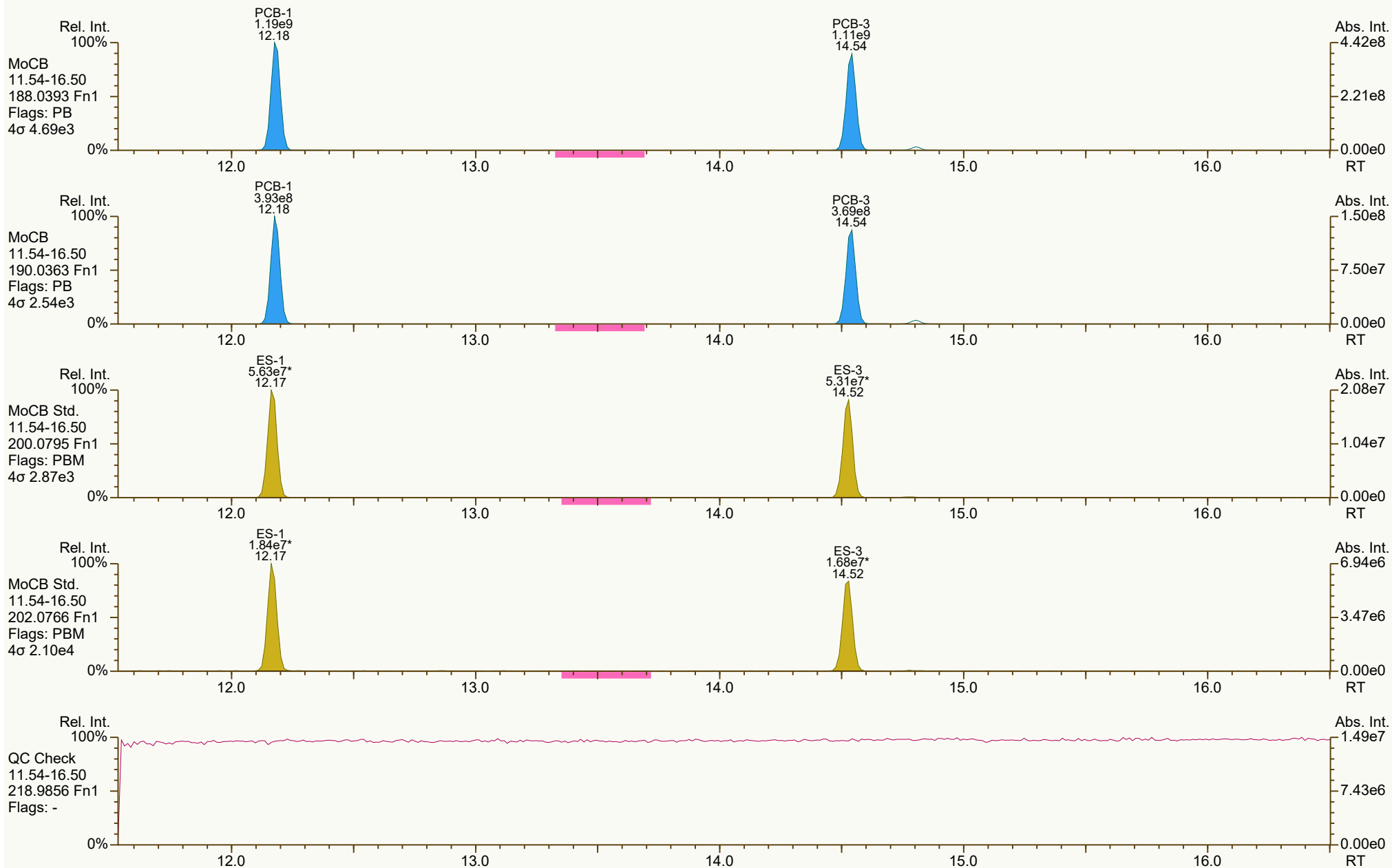
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 10:44 Page 1 of 21

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



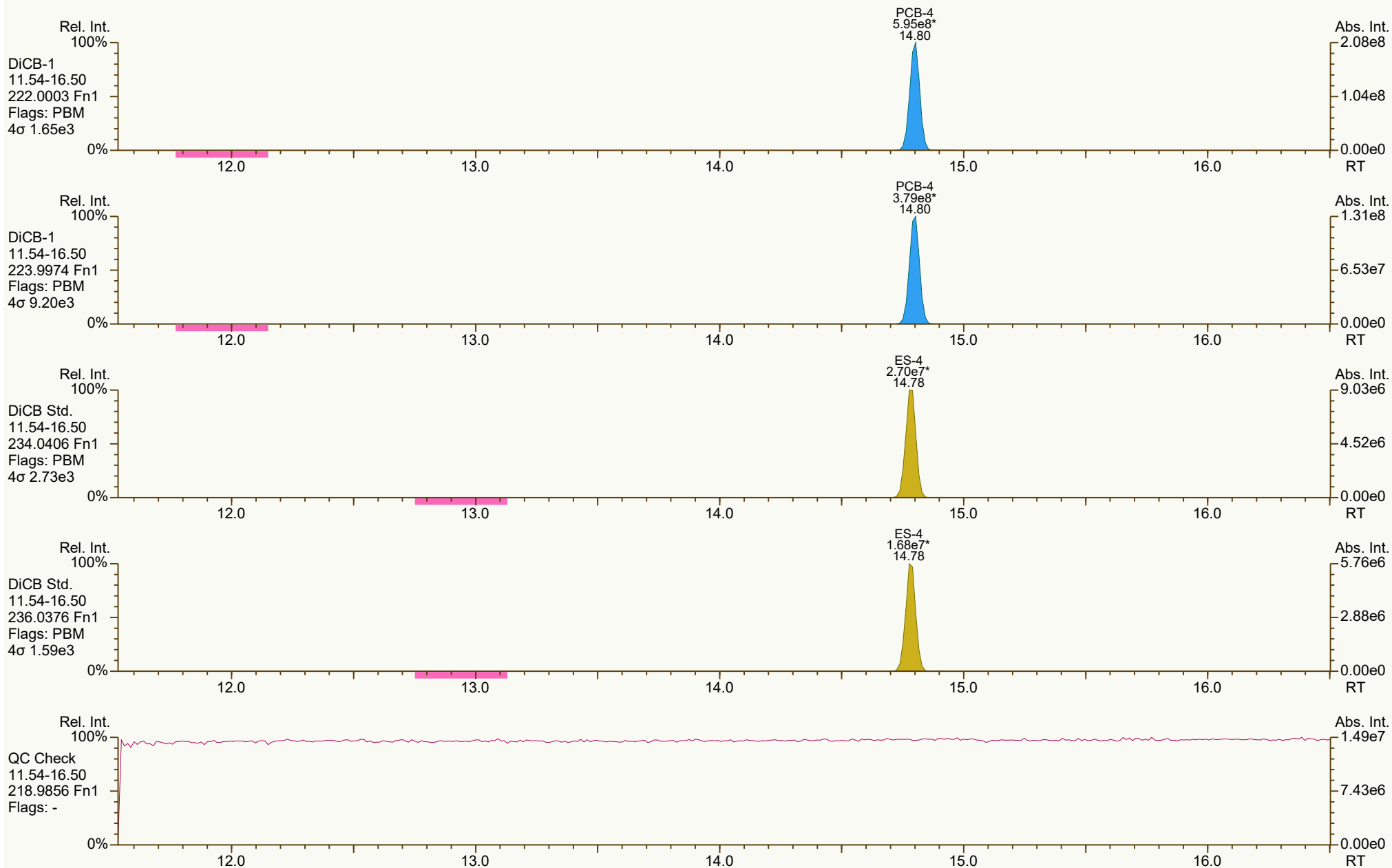
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 6761, 0865 scc: 576-874

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

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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

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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

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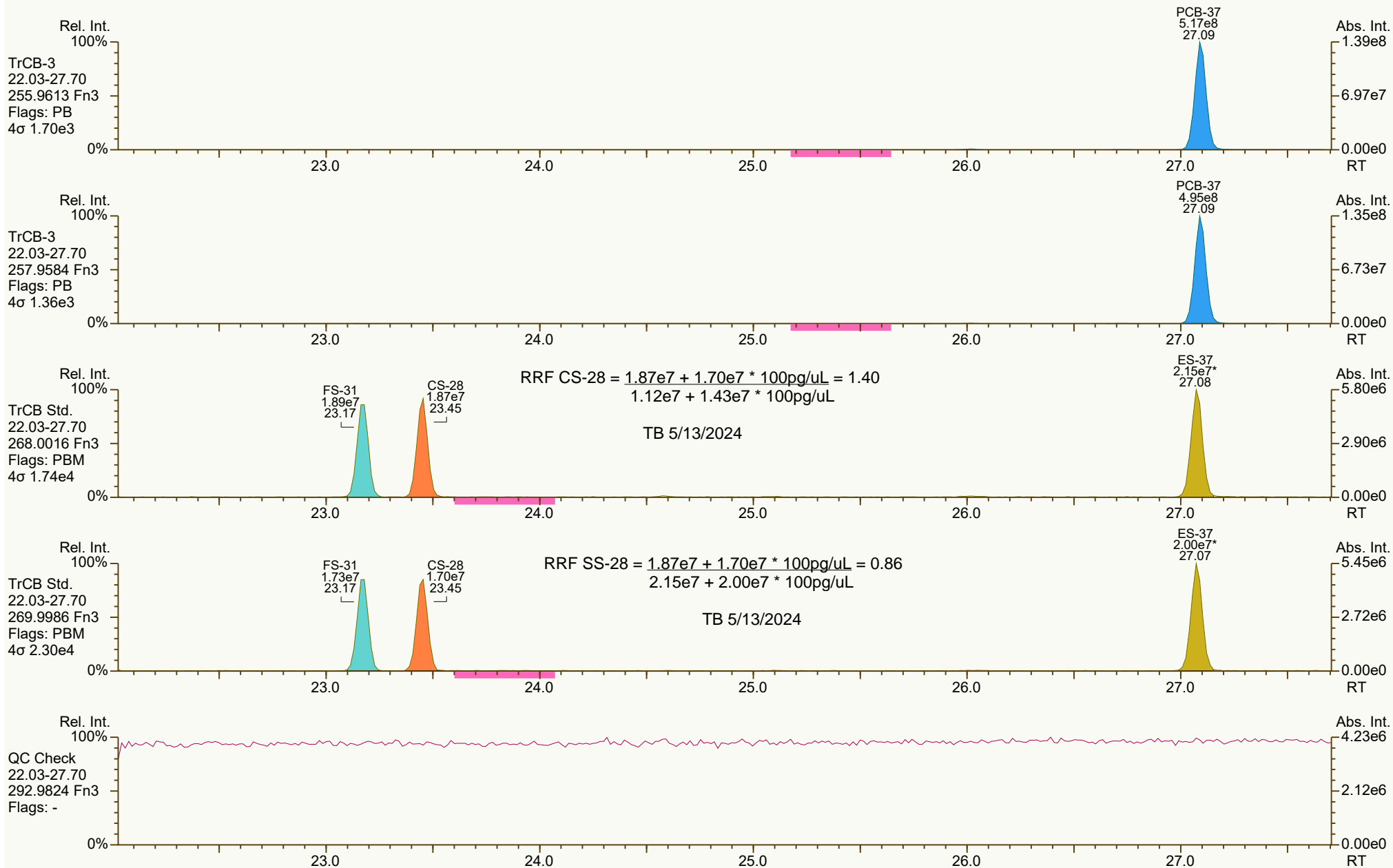
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 1395, 7825 scc: 576-874

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

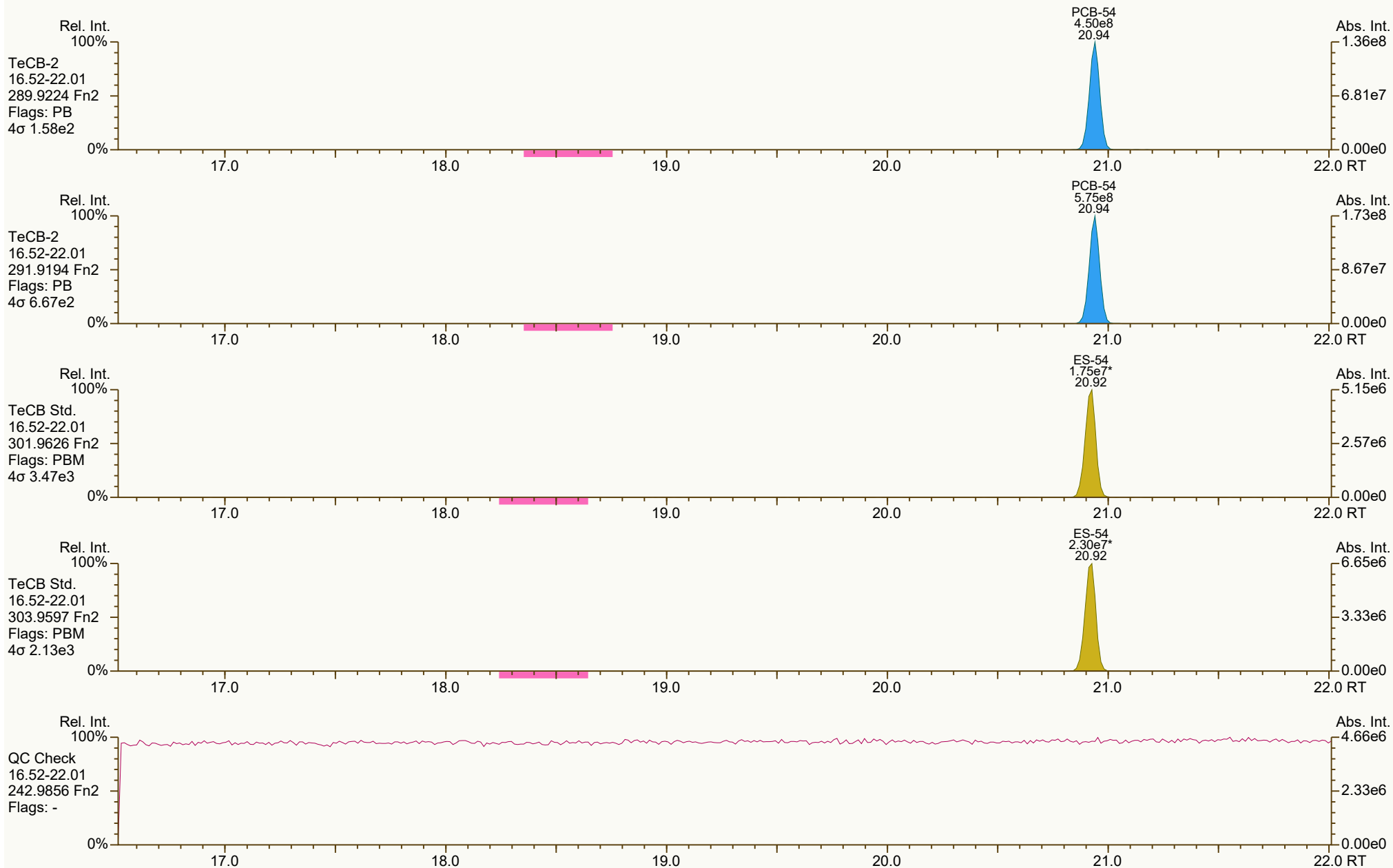
Acq: 03-May-2024 13:58:51
User: PSW Datafile: 240503B09



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



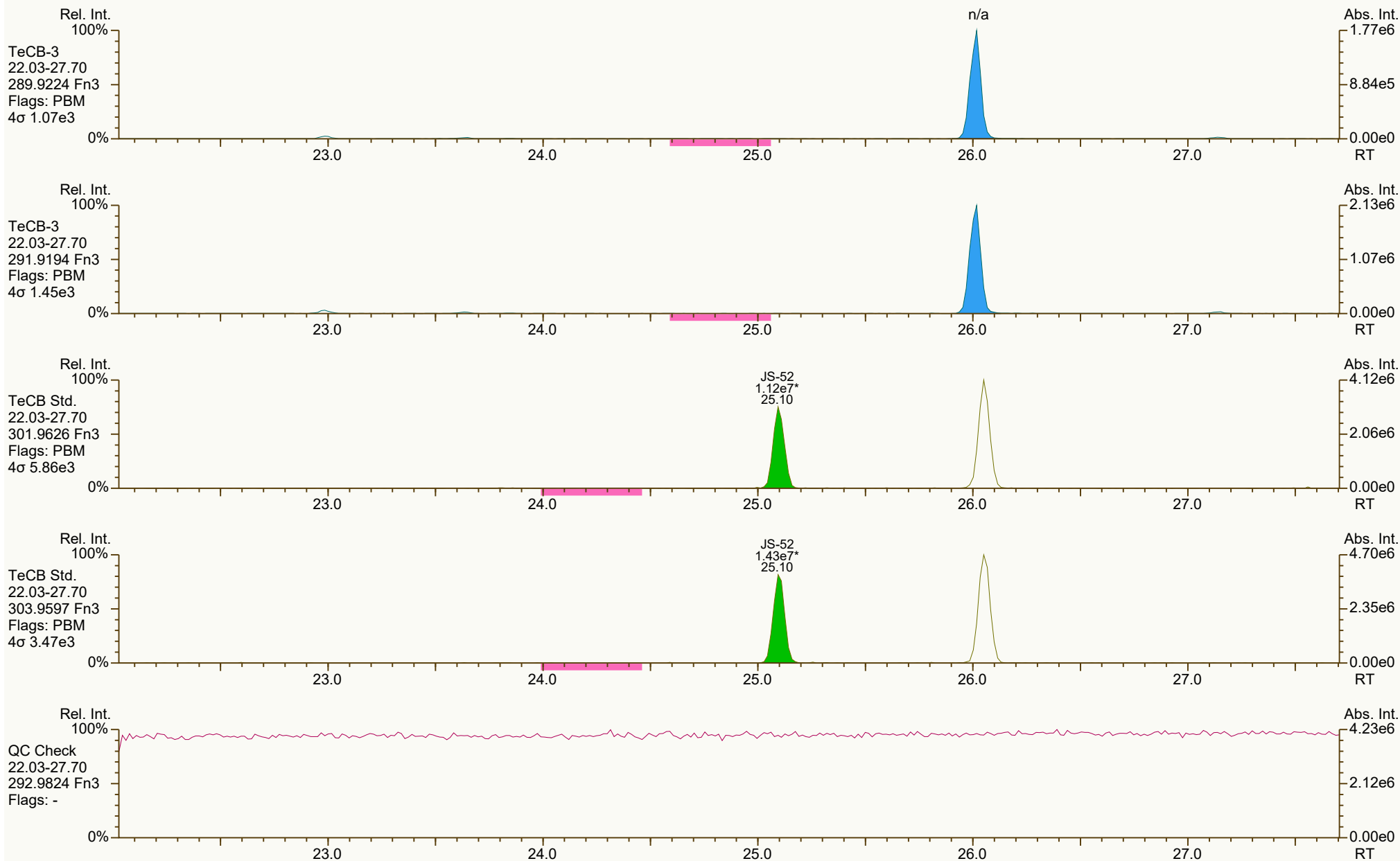
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:26 (JHL) Printed: 08-May-2024 10:44 Page 7 of 21

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

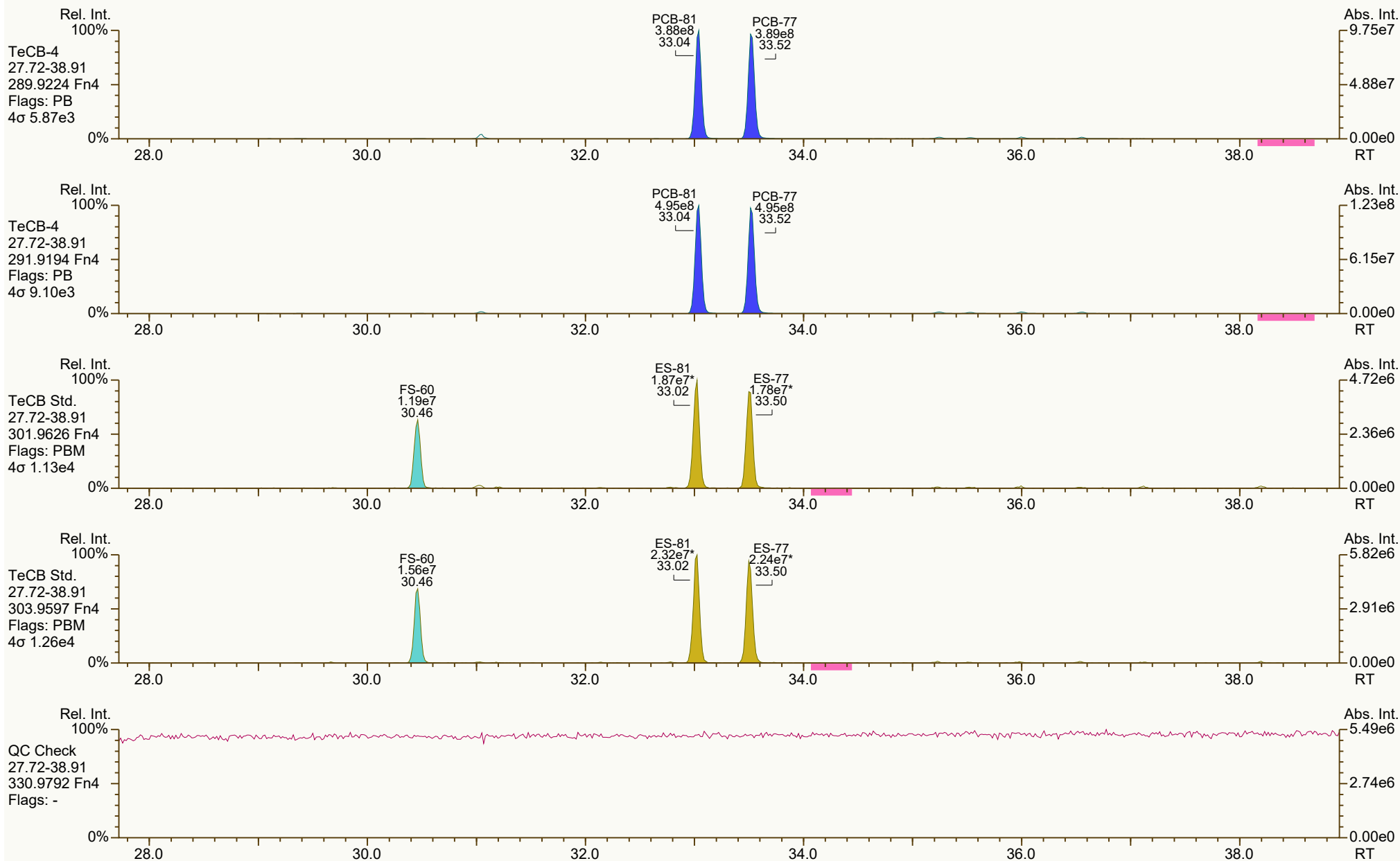
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SGS ID: CS5_240503_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

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



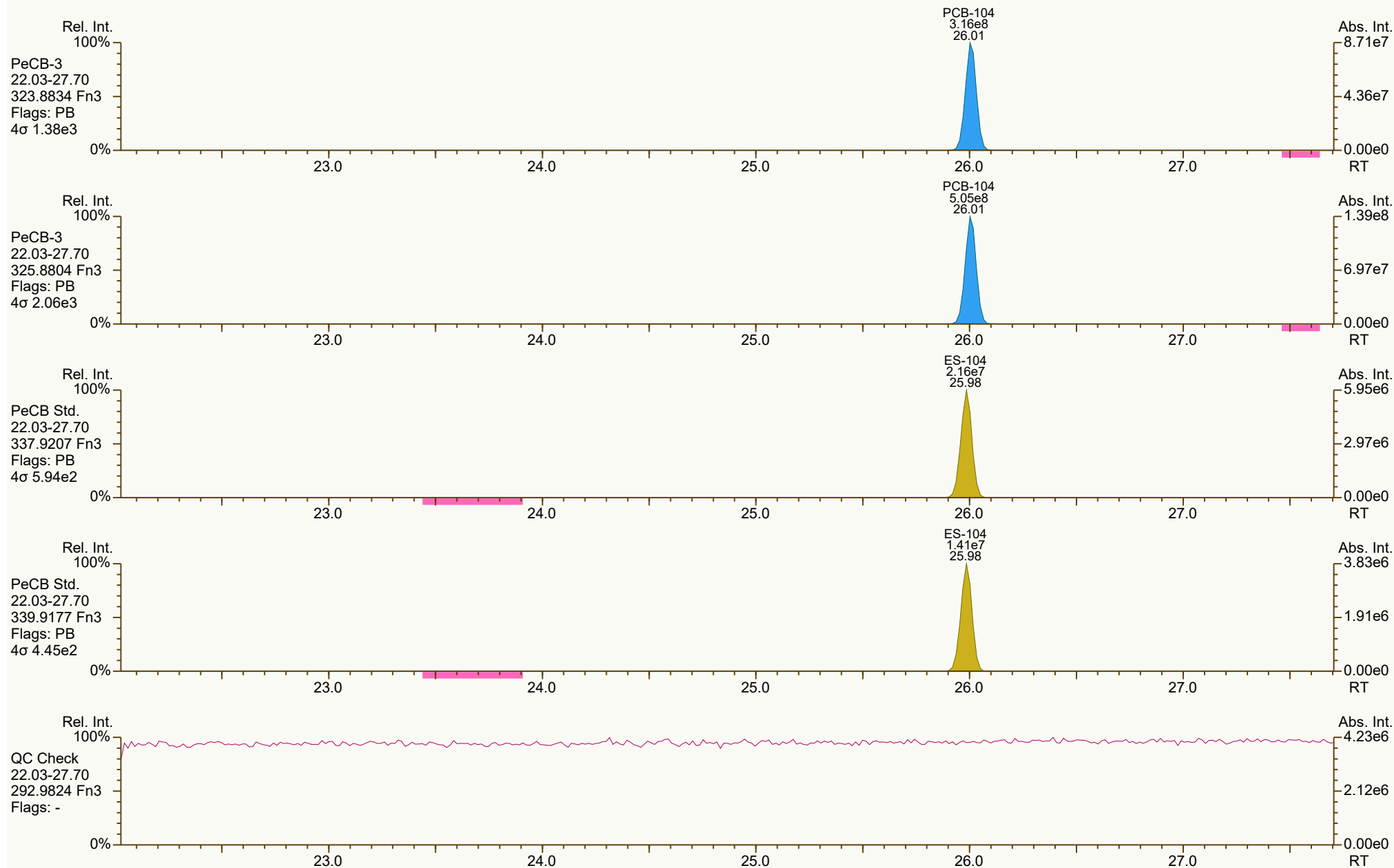
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:35 (JHL) Printed: 08-May-2024 10:44 Page 9 of 21

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



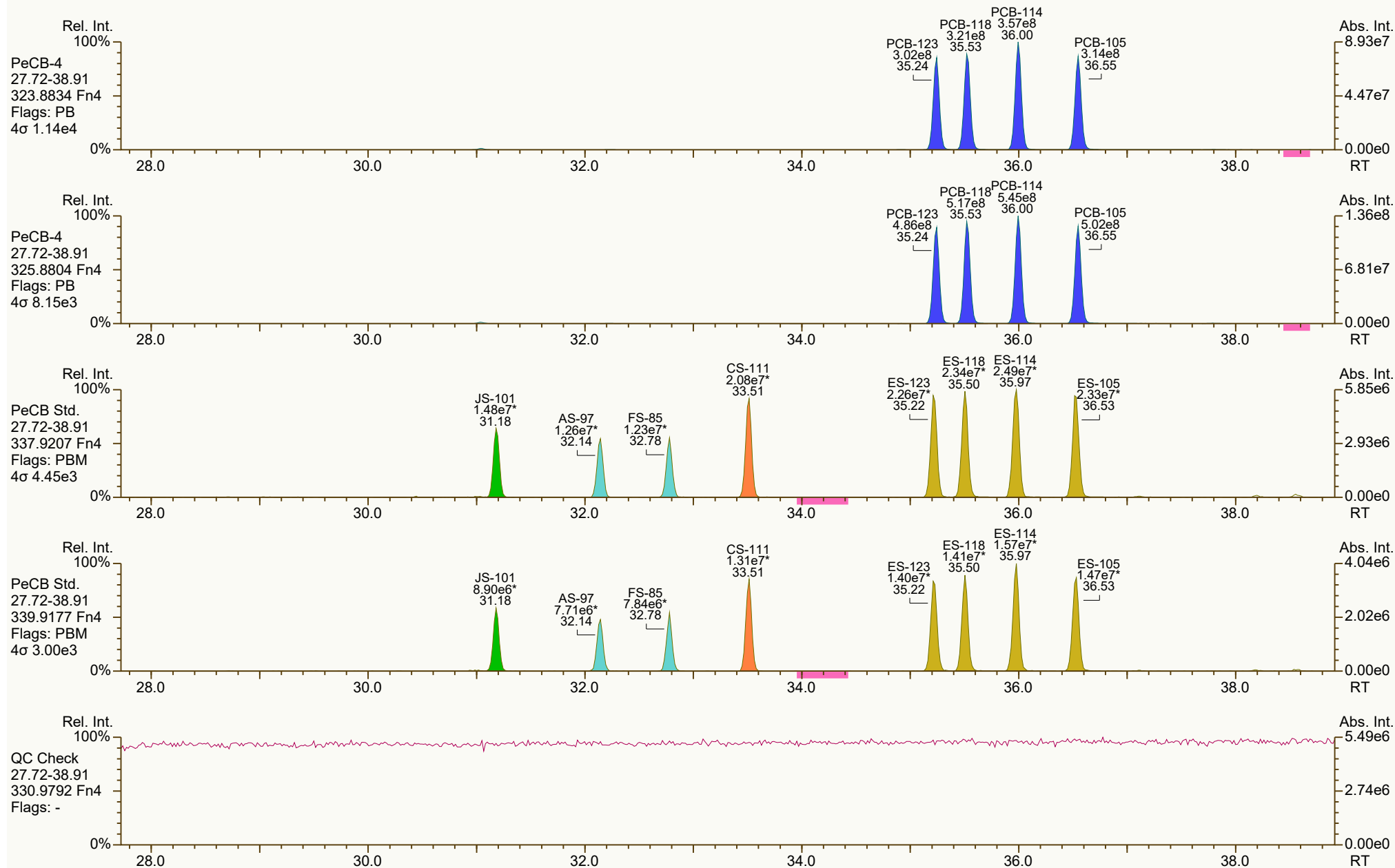
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:35 (JHL) Printed: 08-May-2024 10:44 Page 10 of 21

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



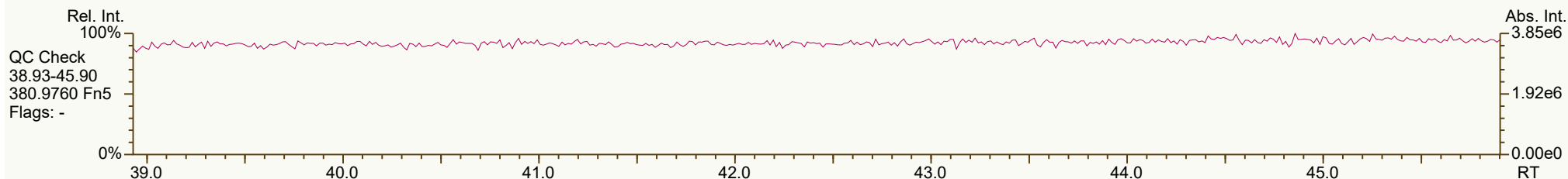
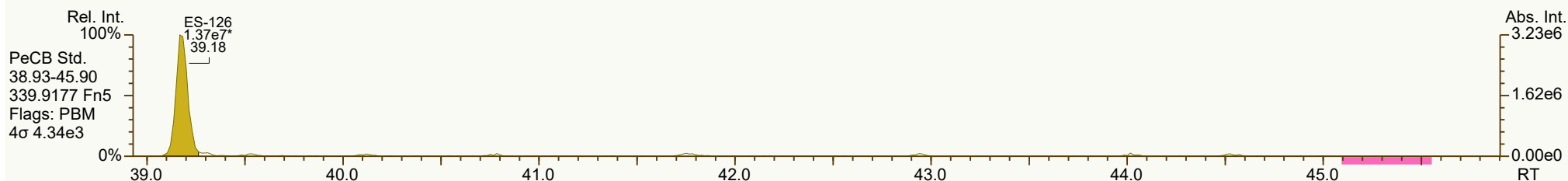
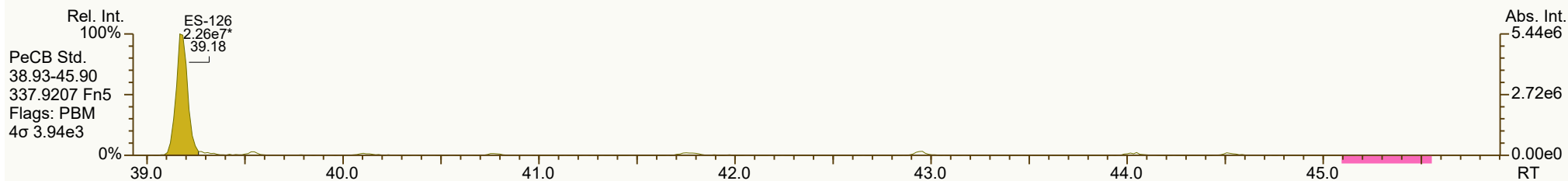
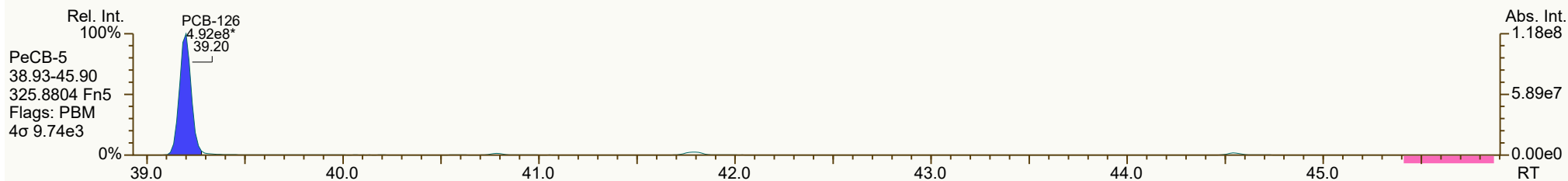
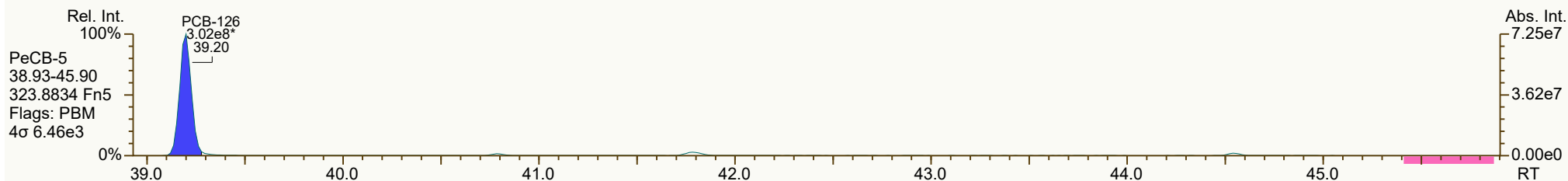
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4550, 8662 scc: 576-874

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



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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



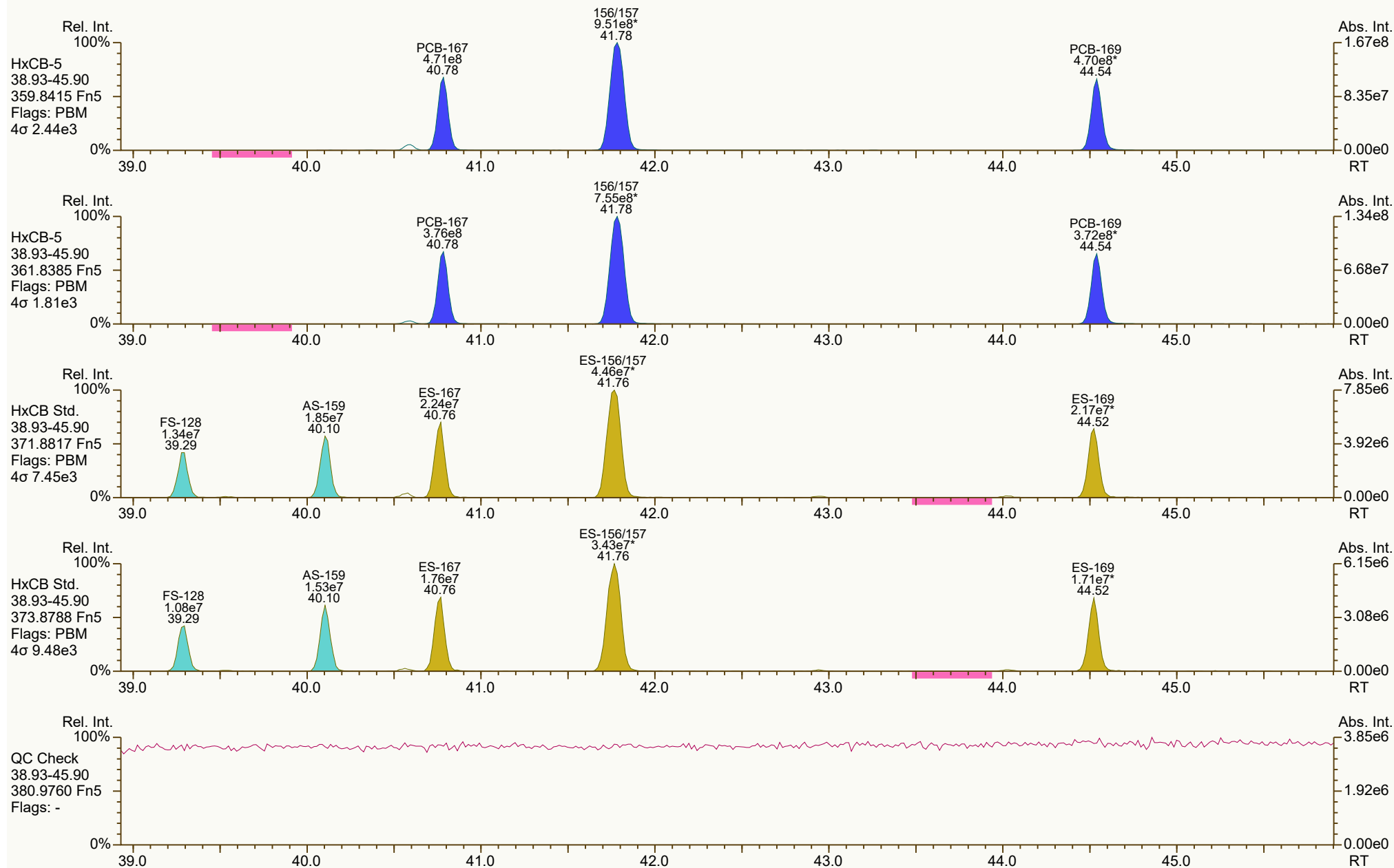
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:36 (JHL) Printed: 08-May-2024 10:45 Page 13 of 21

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



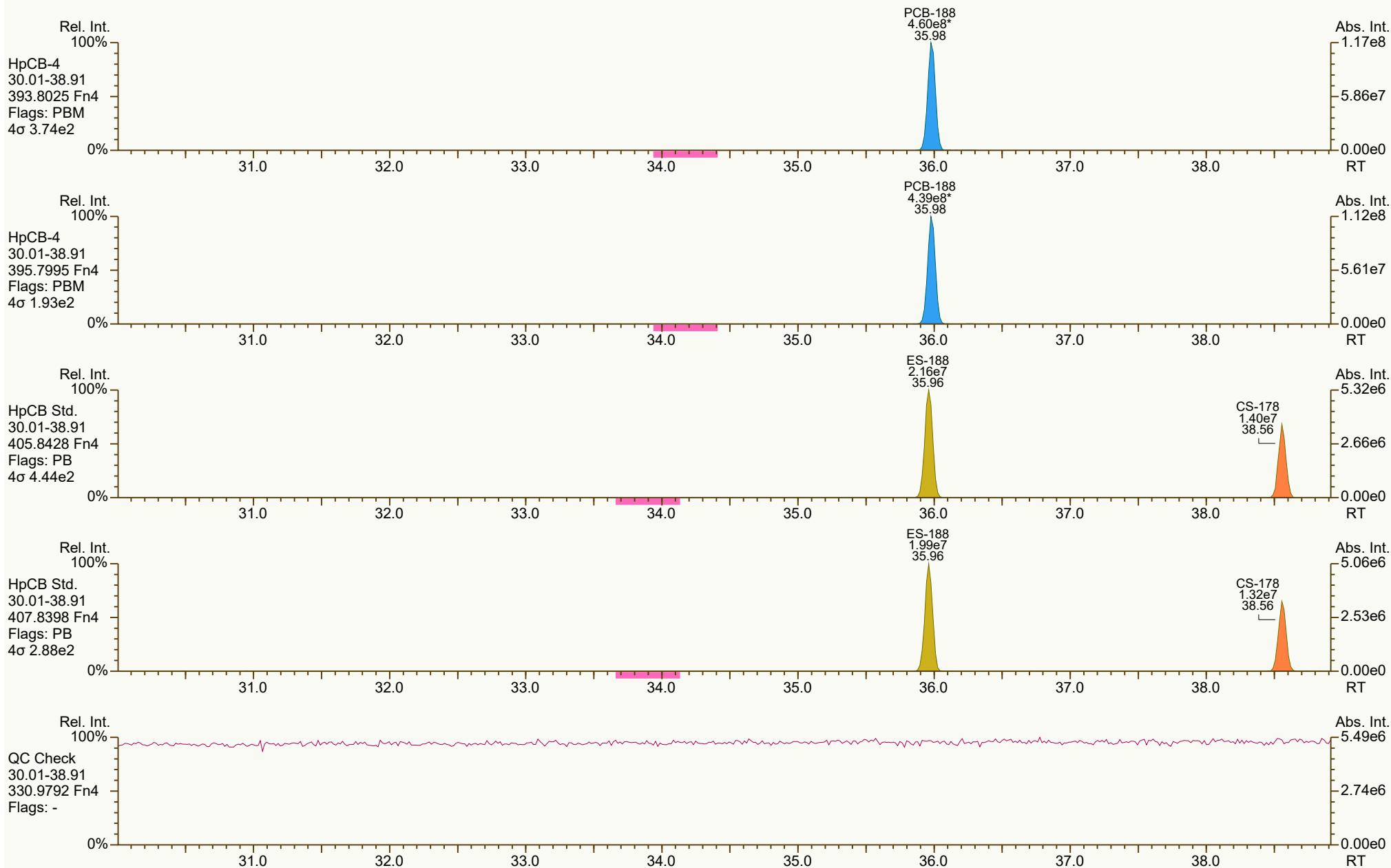
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:37 (JHL) Printed: 08-May-2024 10:45 Page 14 of 21

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



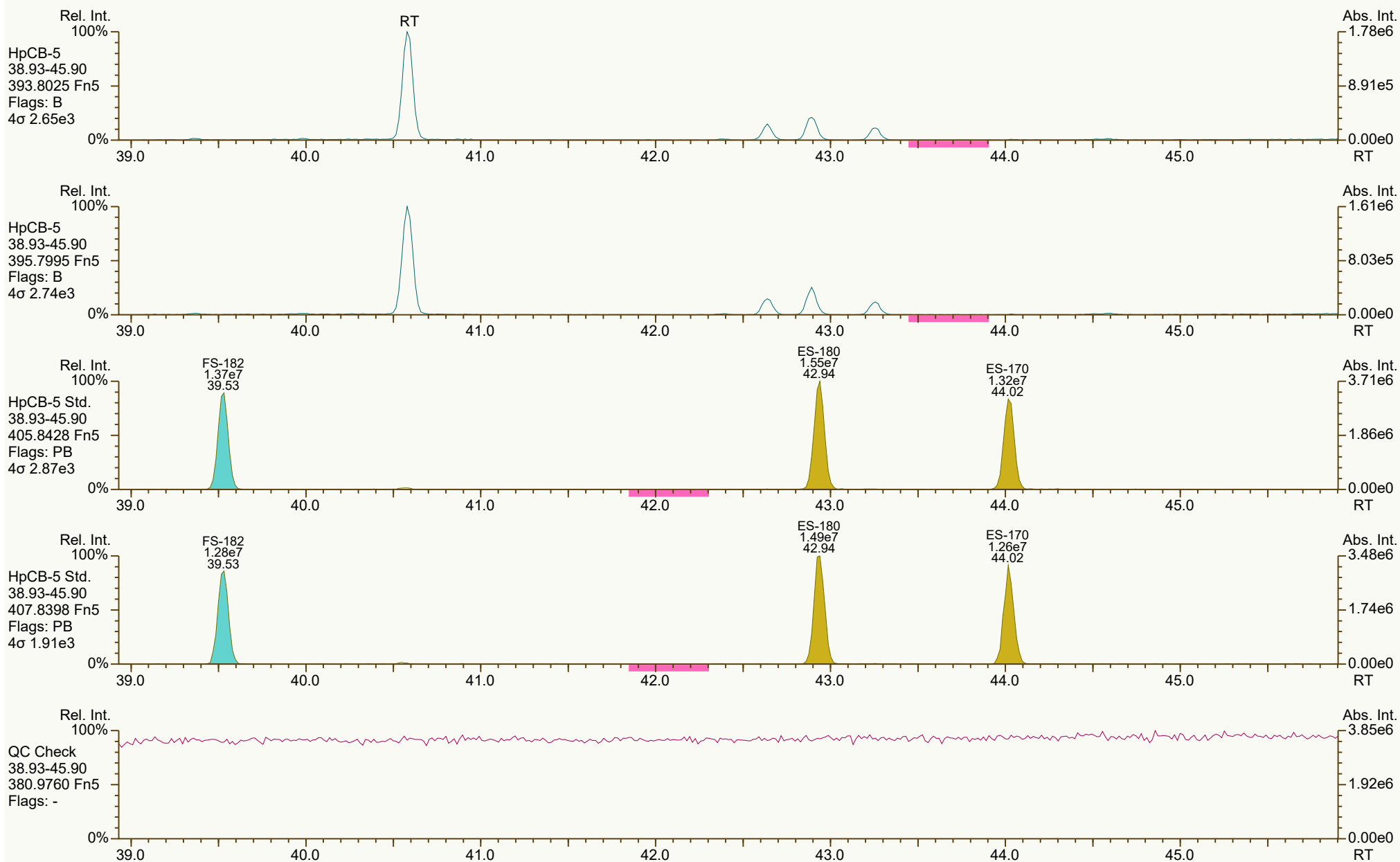
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:37 (JHL) Printed: 08-May-2024 10:45 Page 15 of 21

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
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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
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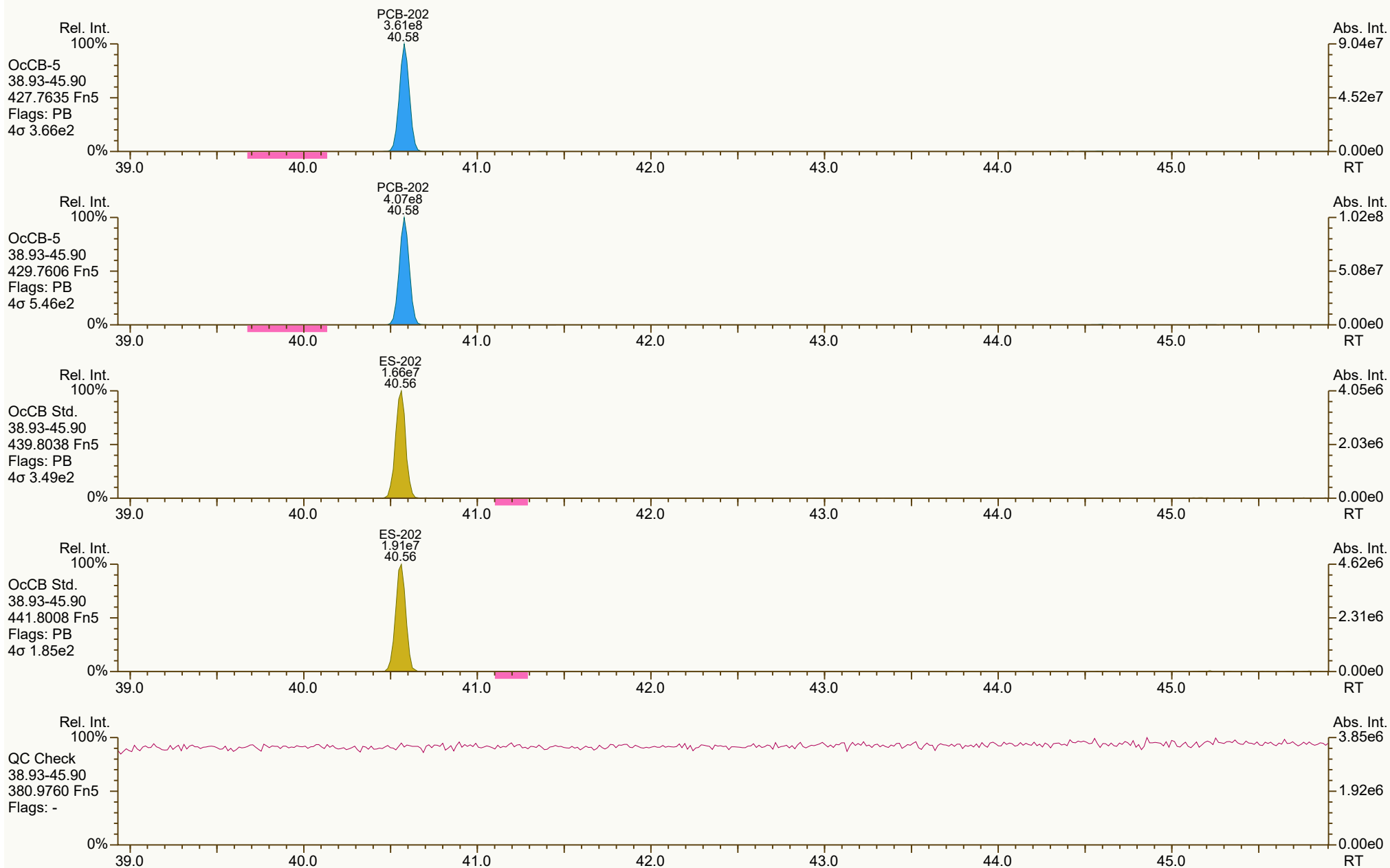
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:37 (JHL) Printed: 08-May-2024 10:45 Page 17 of 21

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
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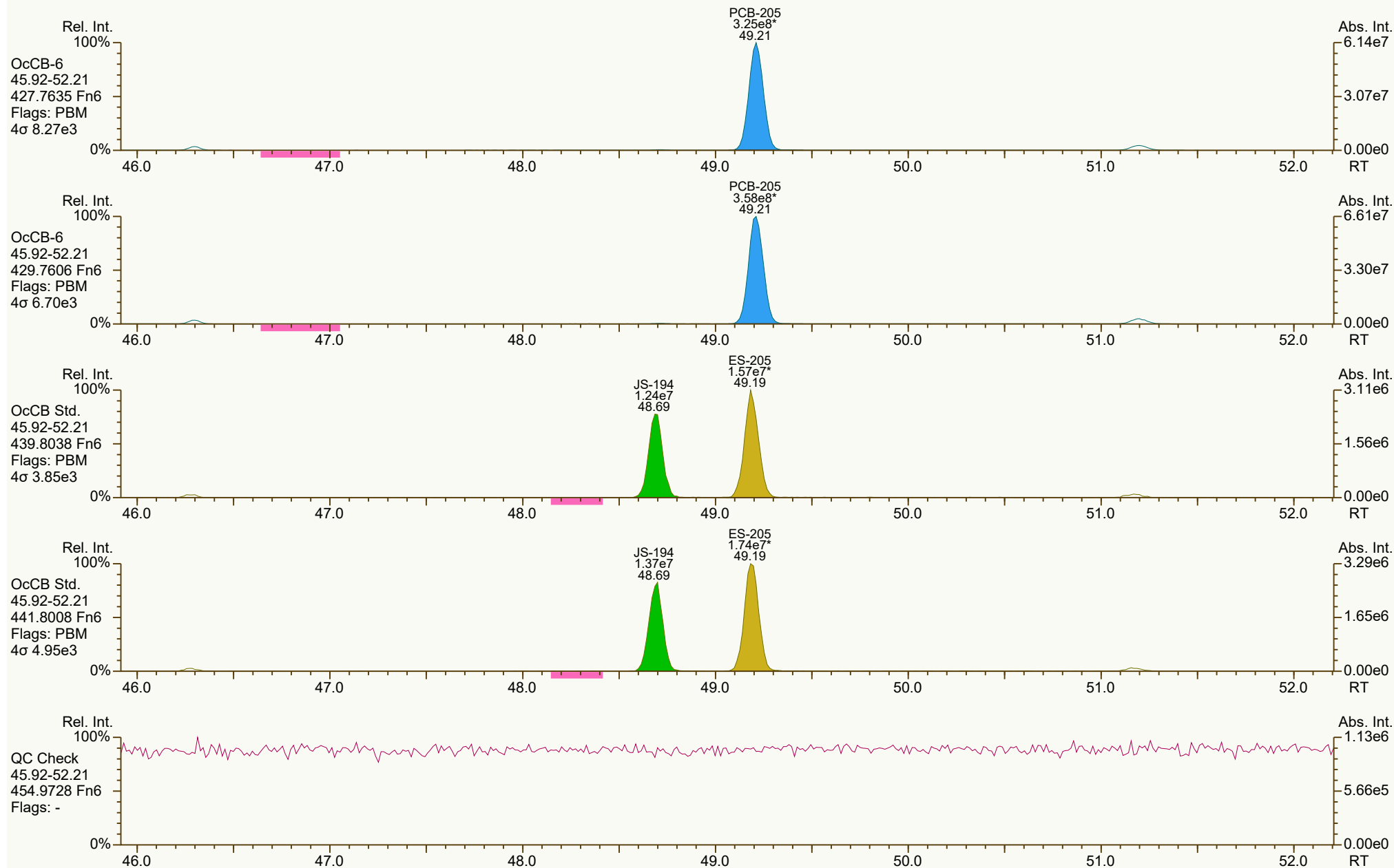
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:38 (JHL) Printed: 08-May-2024 10:45 Page 18 of 21

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



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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



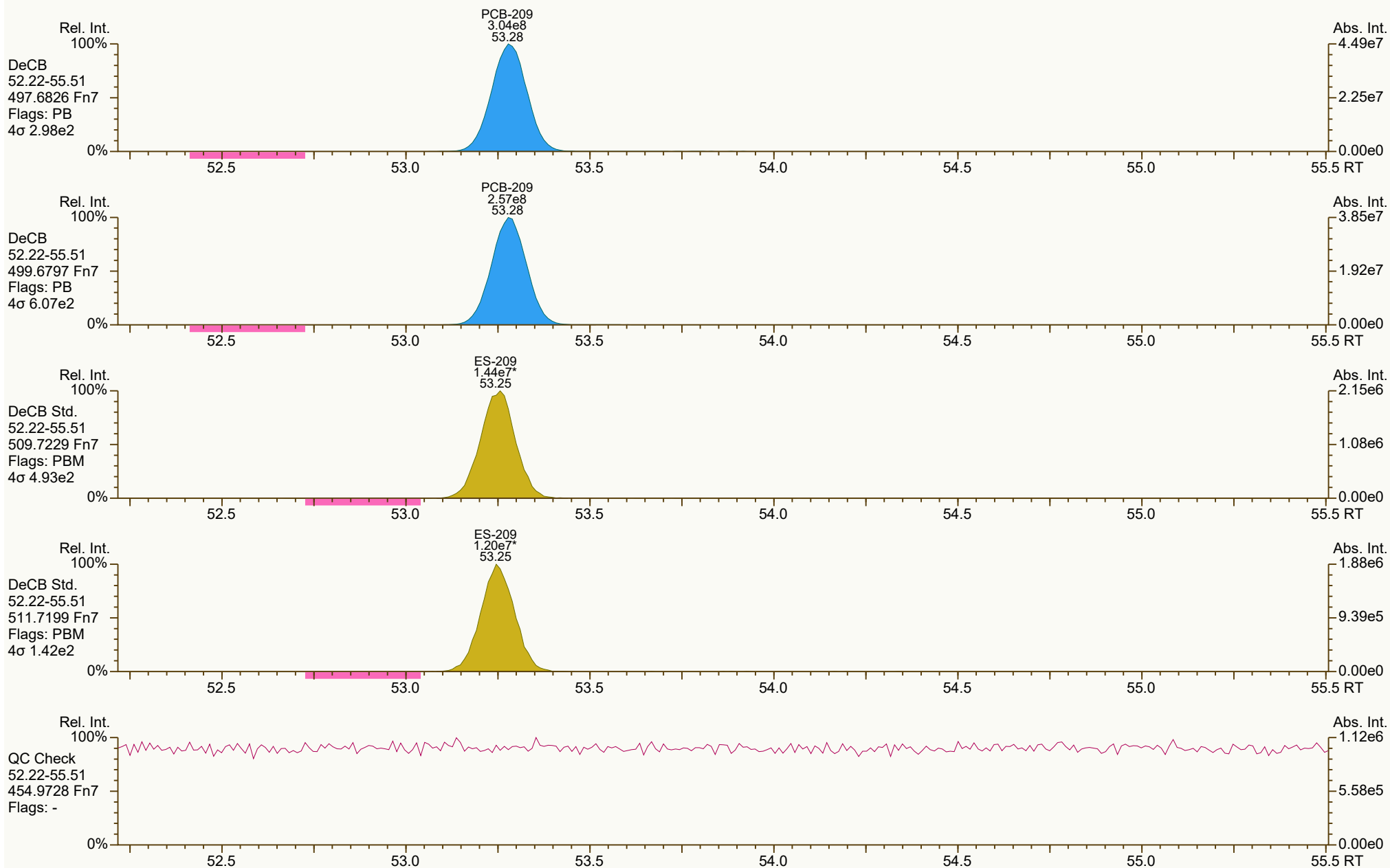
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:40 (JHL) Printed: 08-May-2024 10:45 Page 20 of 21

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



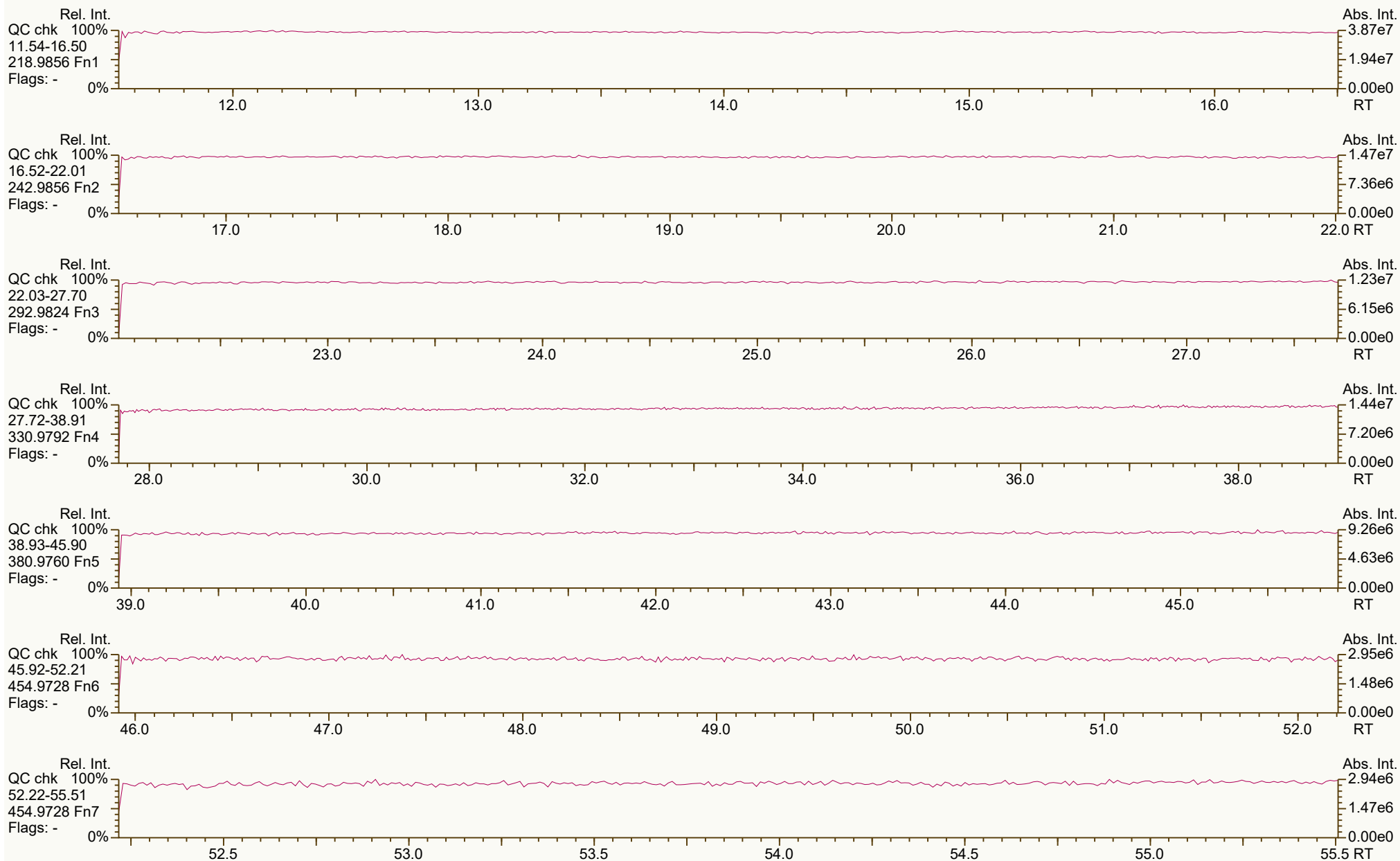
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:33 (JHL) Printed: 08-May-2024 10:45 Page 21 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

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User: PSW Datafile: 240503B01



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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
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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

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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



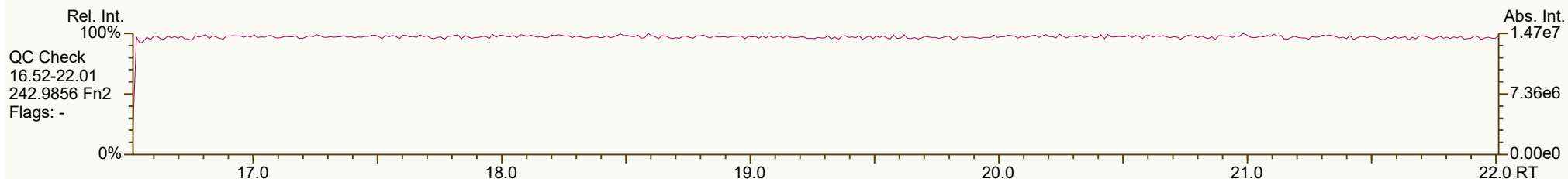
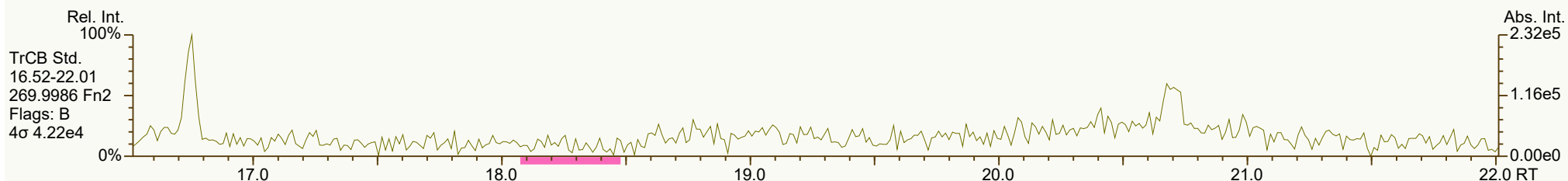
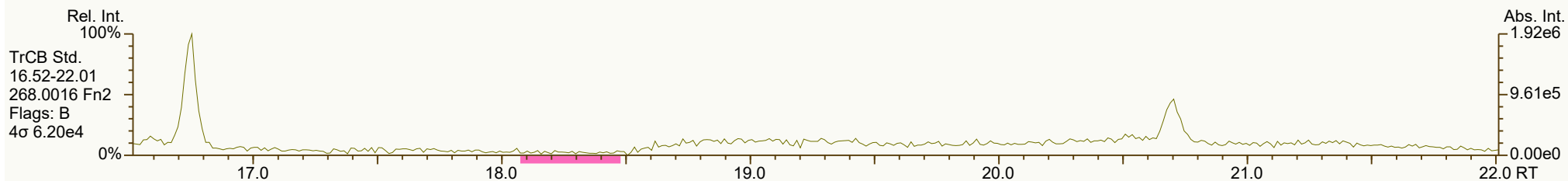
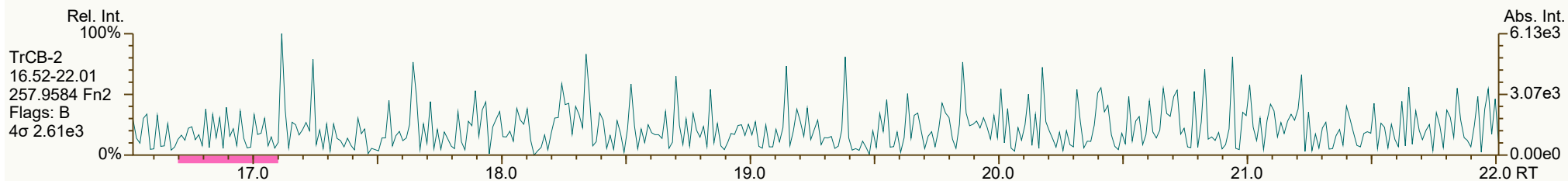
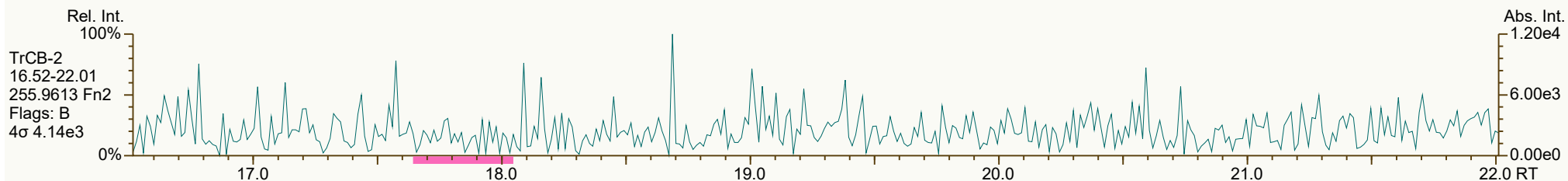
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 4 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

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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

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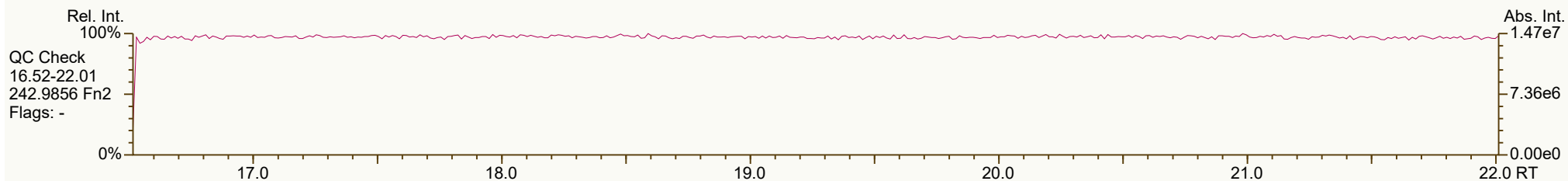
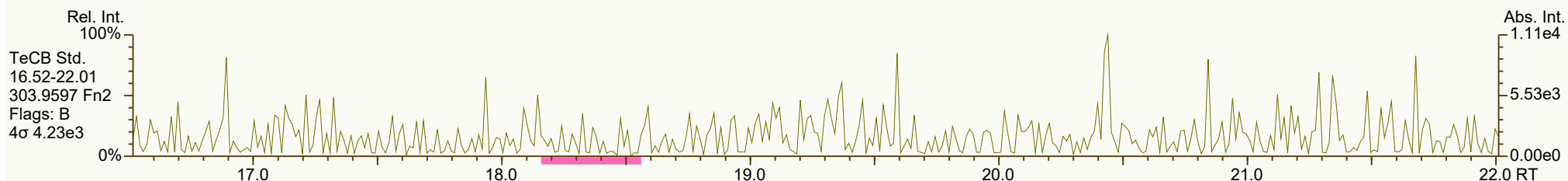
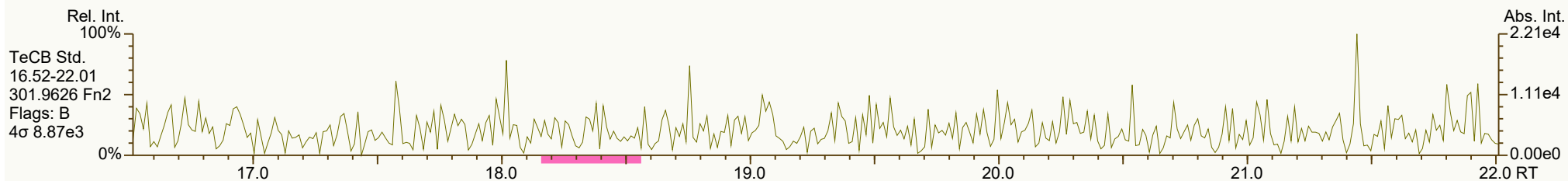
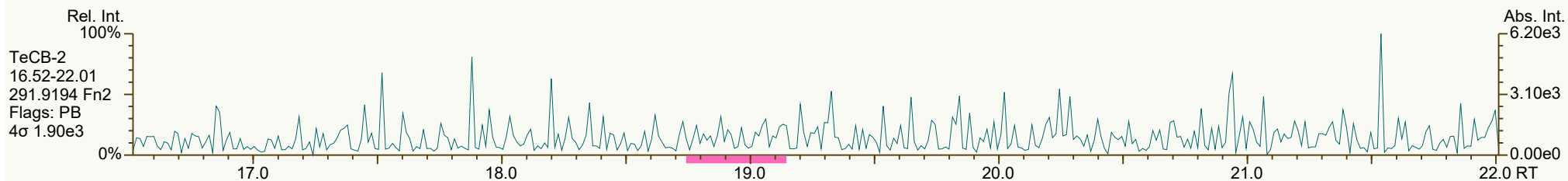
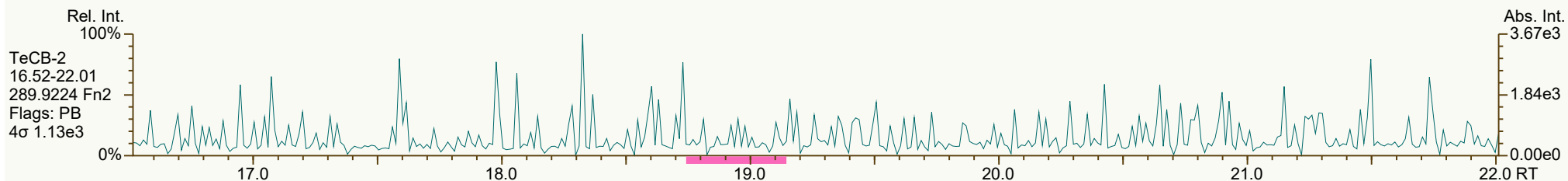
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 6 of 21

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



SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

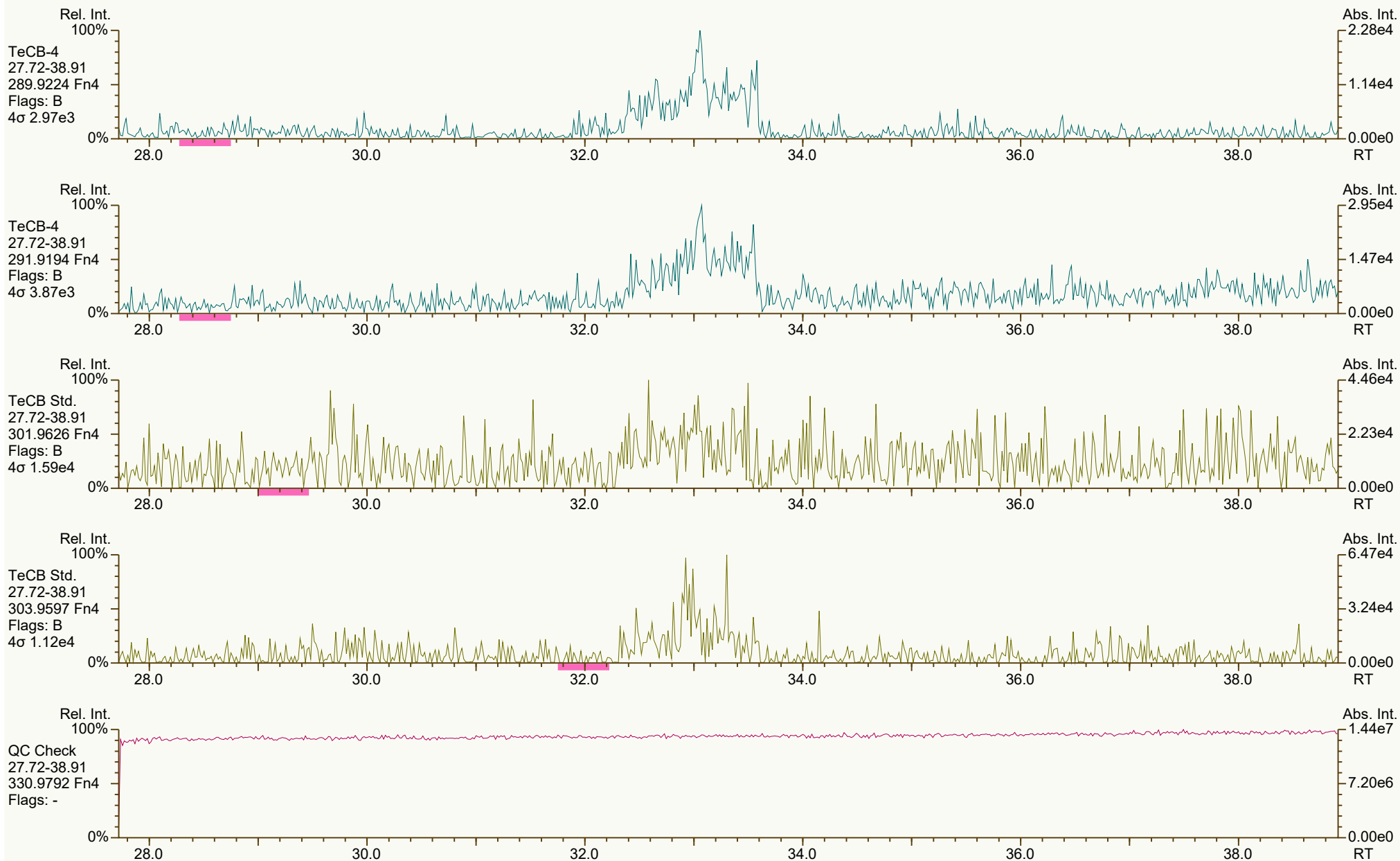
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Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

Acq: 03-May-2024 04:56:25
User: PSW Datafile: 240503B01



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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
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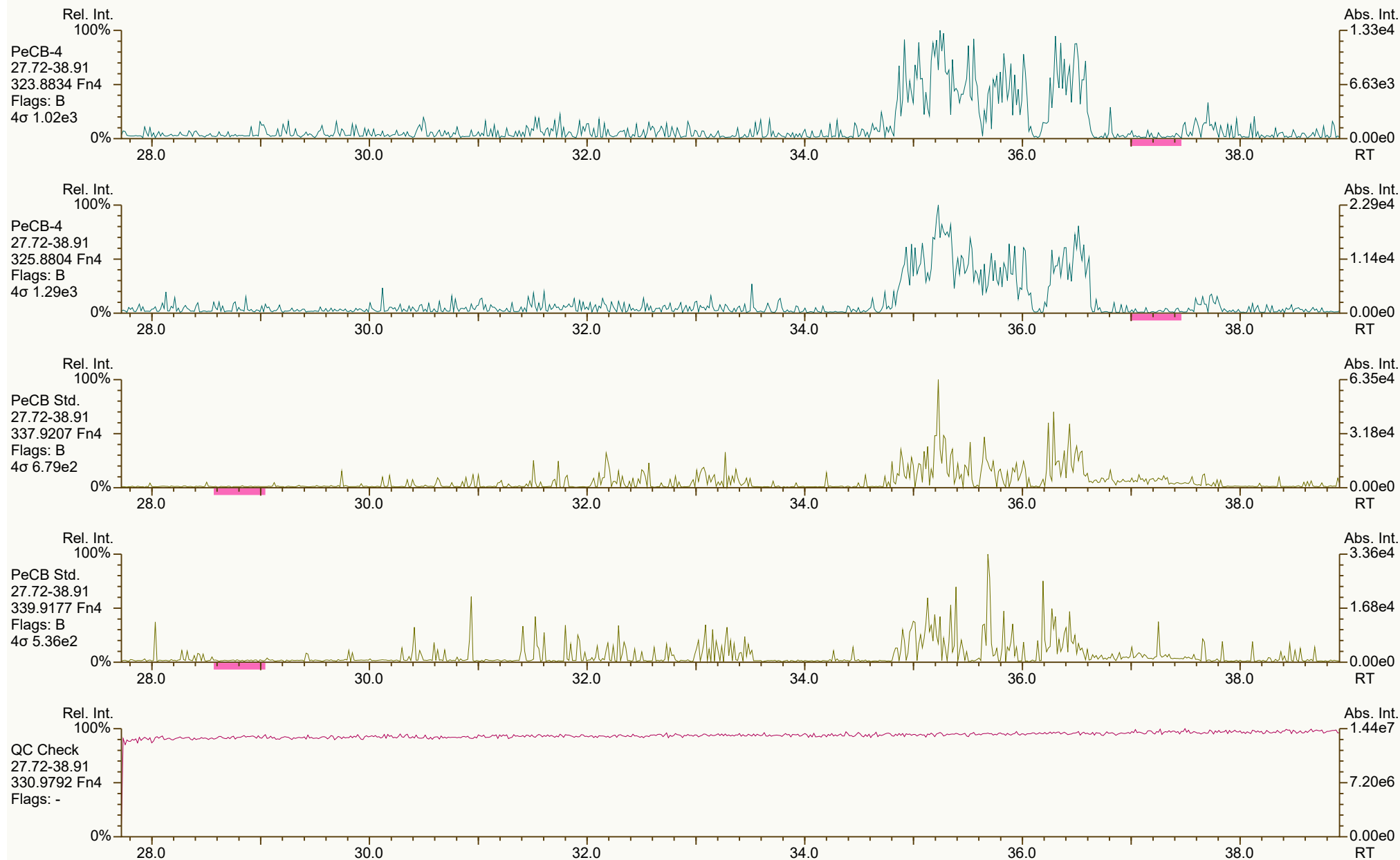
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 10 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

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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



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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



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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



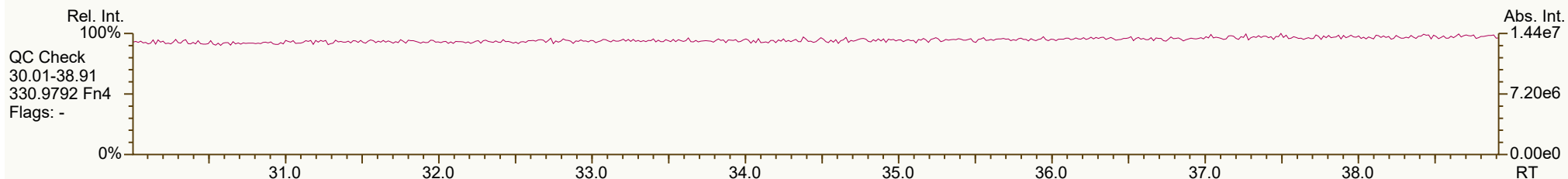
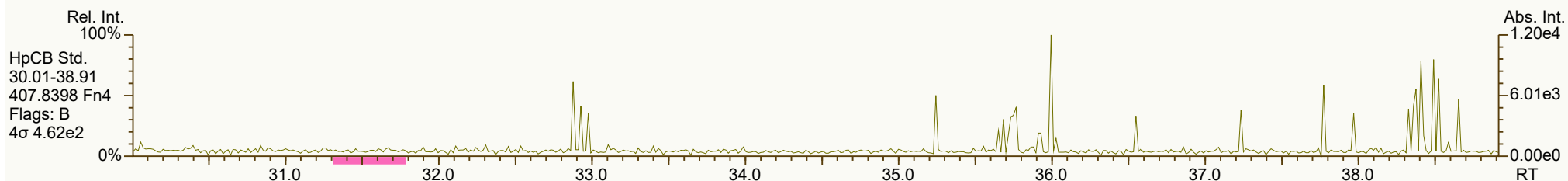
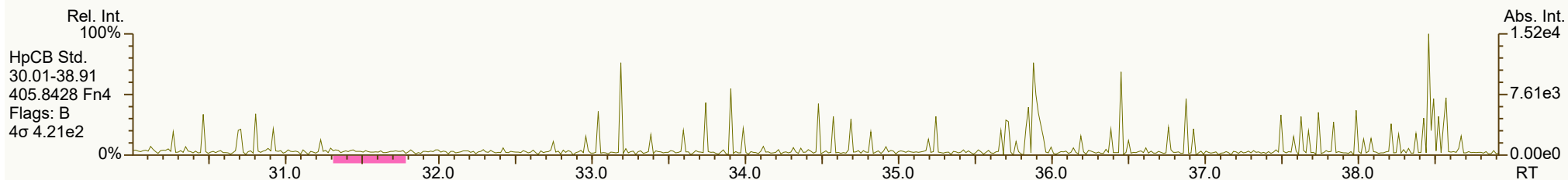
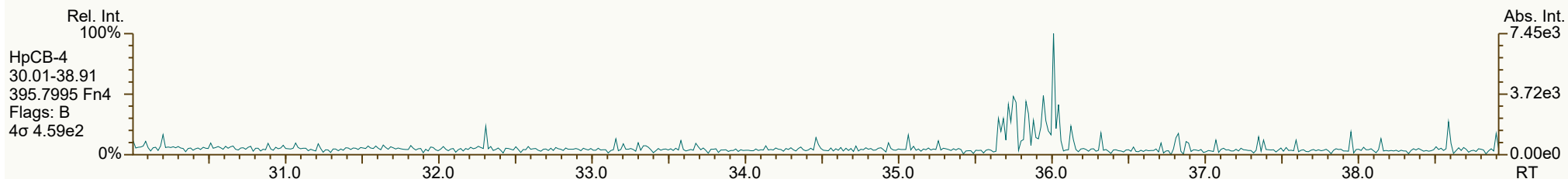
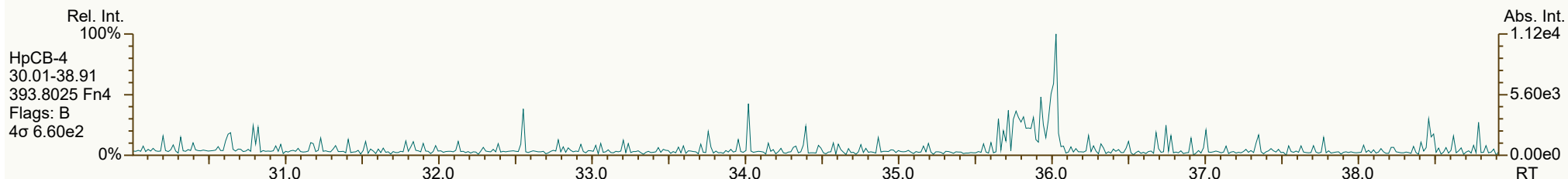
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3253, 1986 scc: 963-299

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



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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 15 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



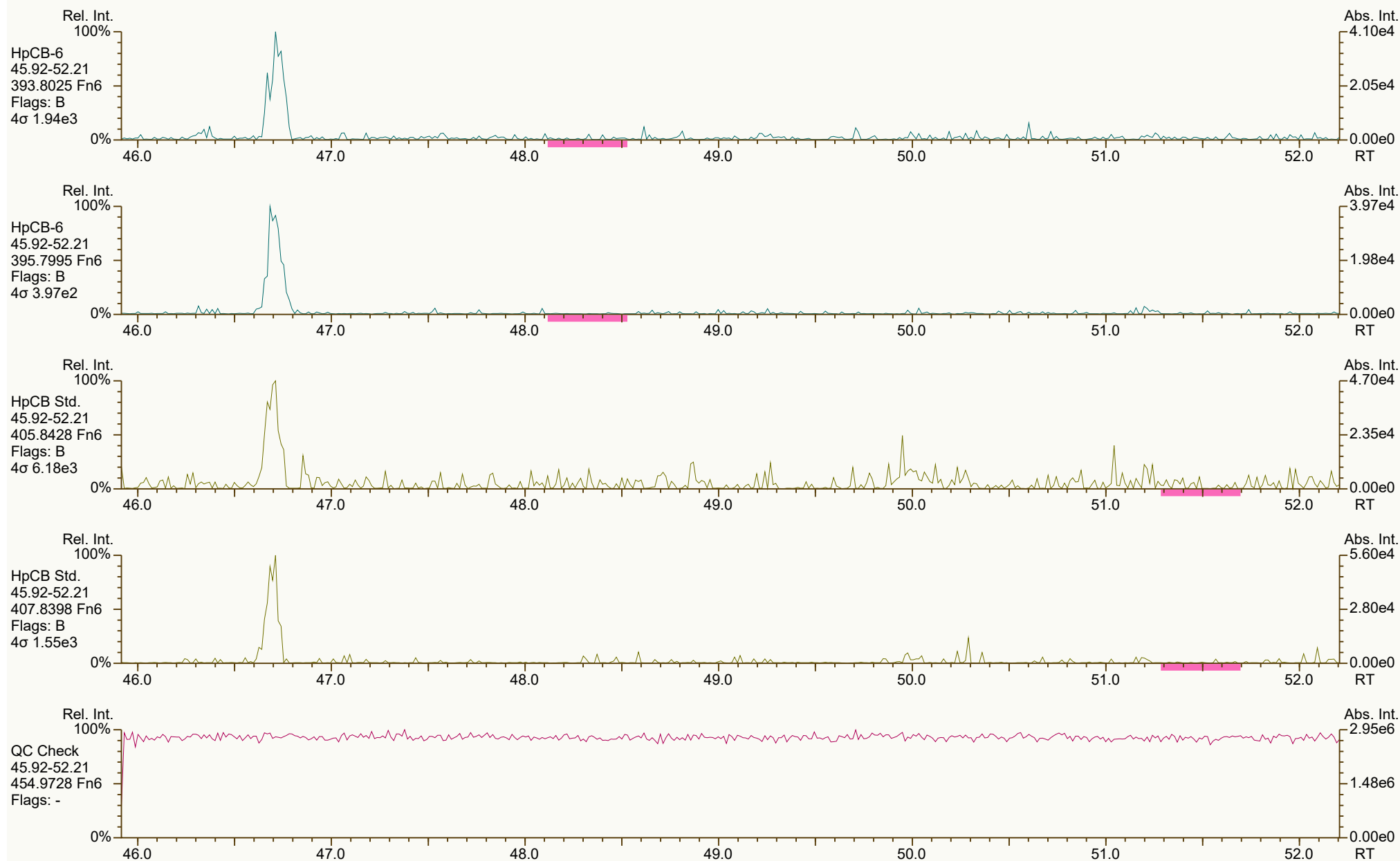
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 3092, 2603 scc: 963-299

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
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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



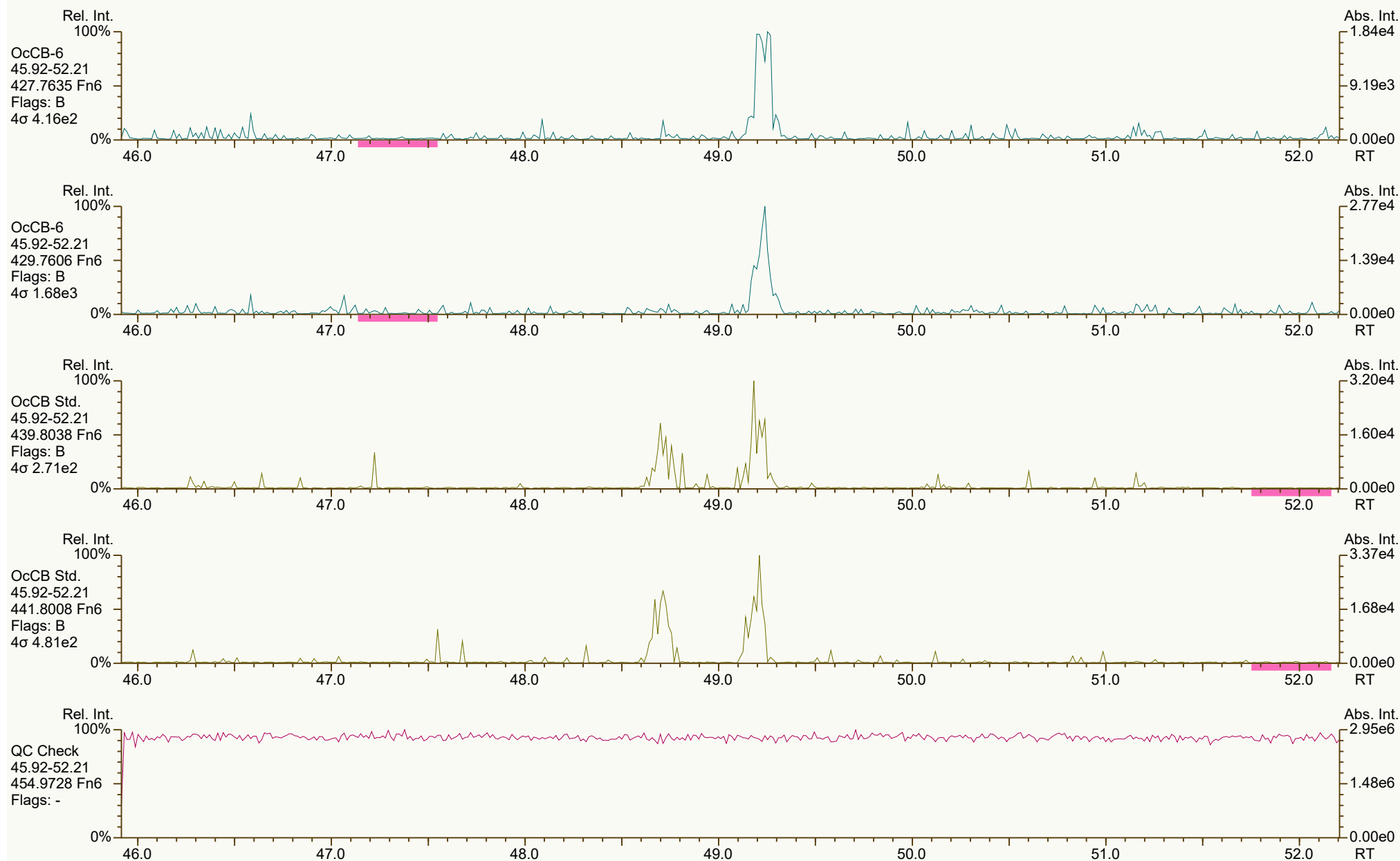
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 18 of 21

SGS ID: SBS_240502_PCB_BA
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: Nonane
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 98

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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
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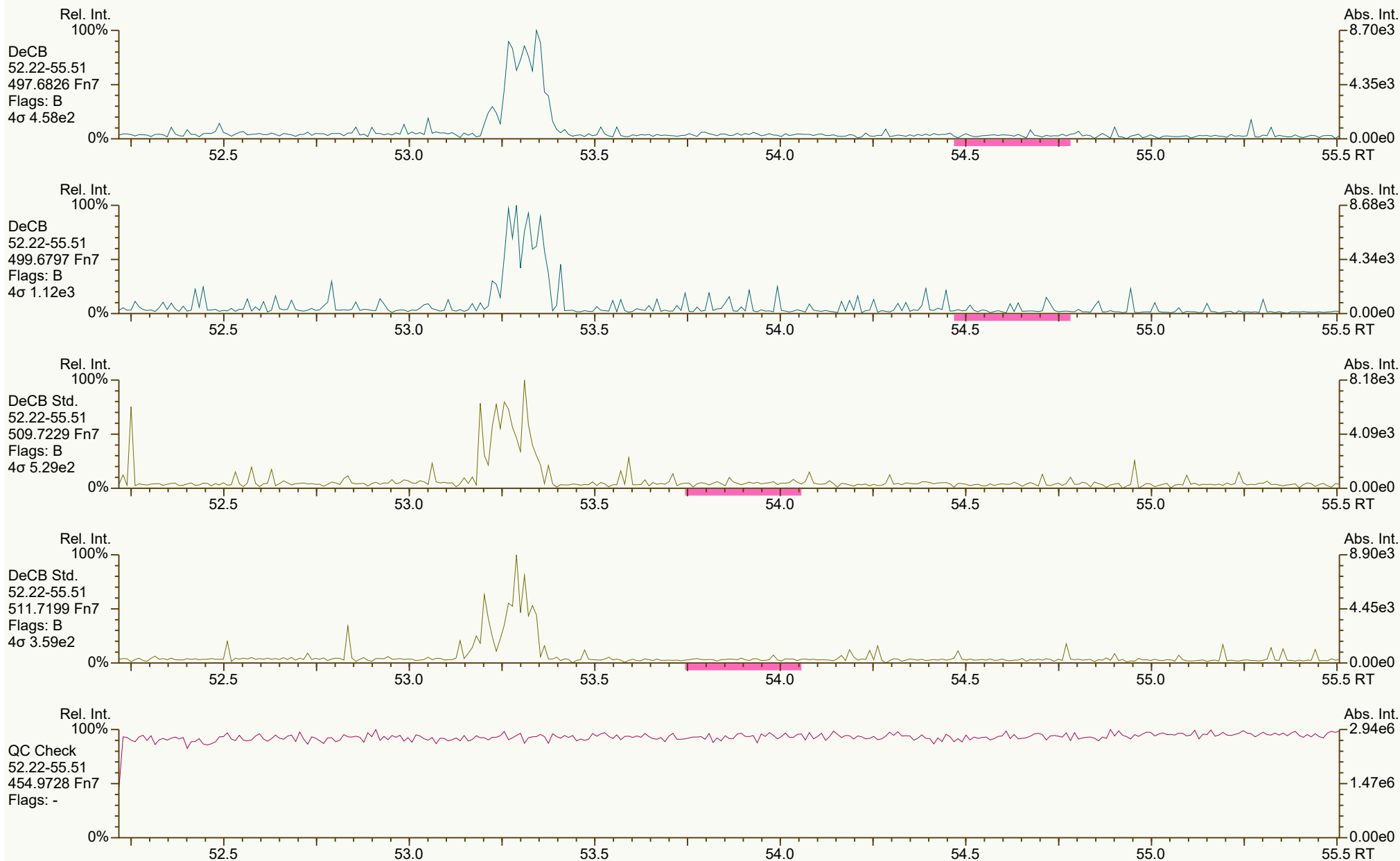
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 20 of 21

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
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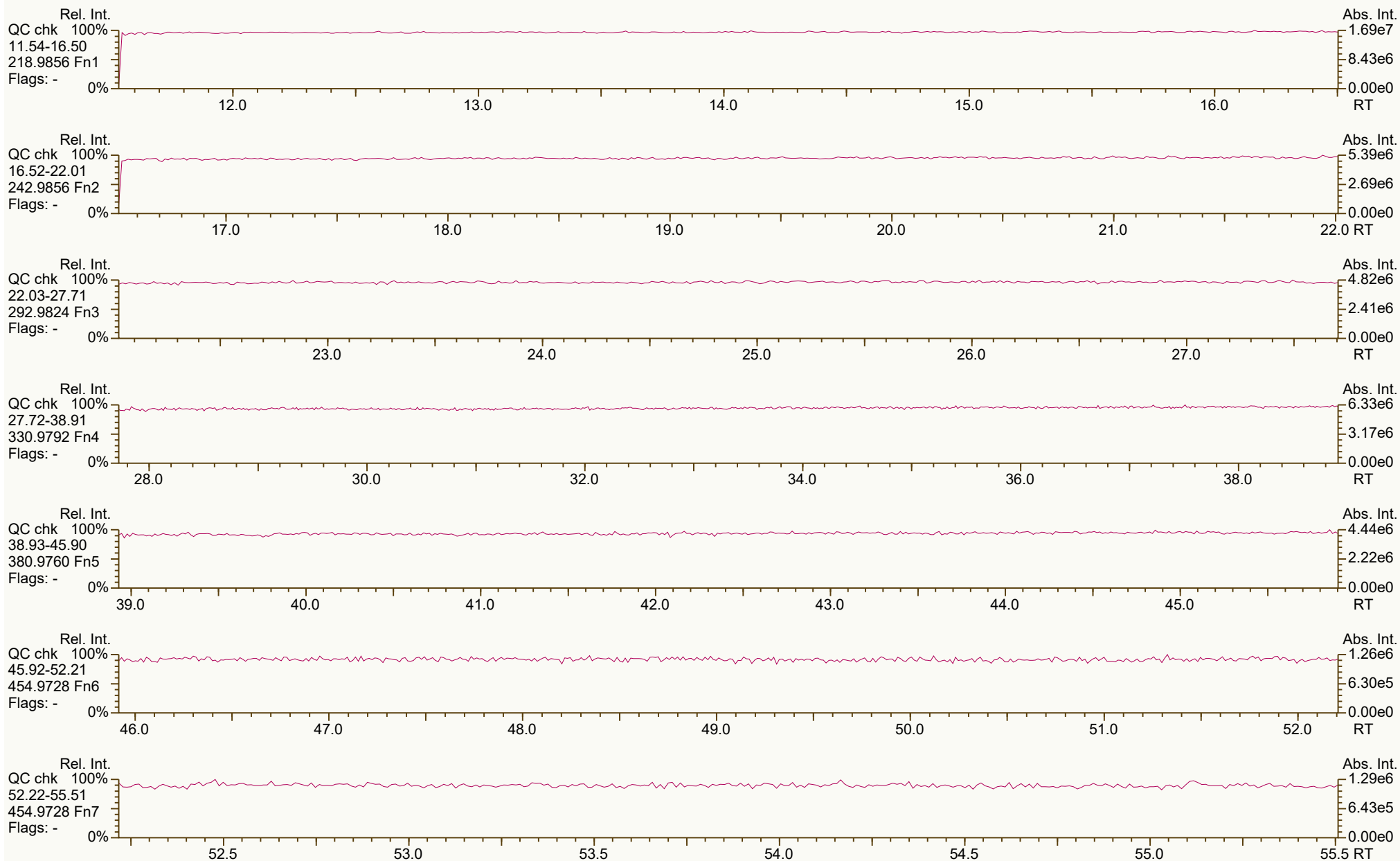
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:30 Printed: 13-May-2024 11:32 Page 21 of 21

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



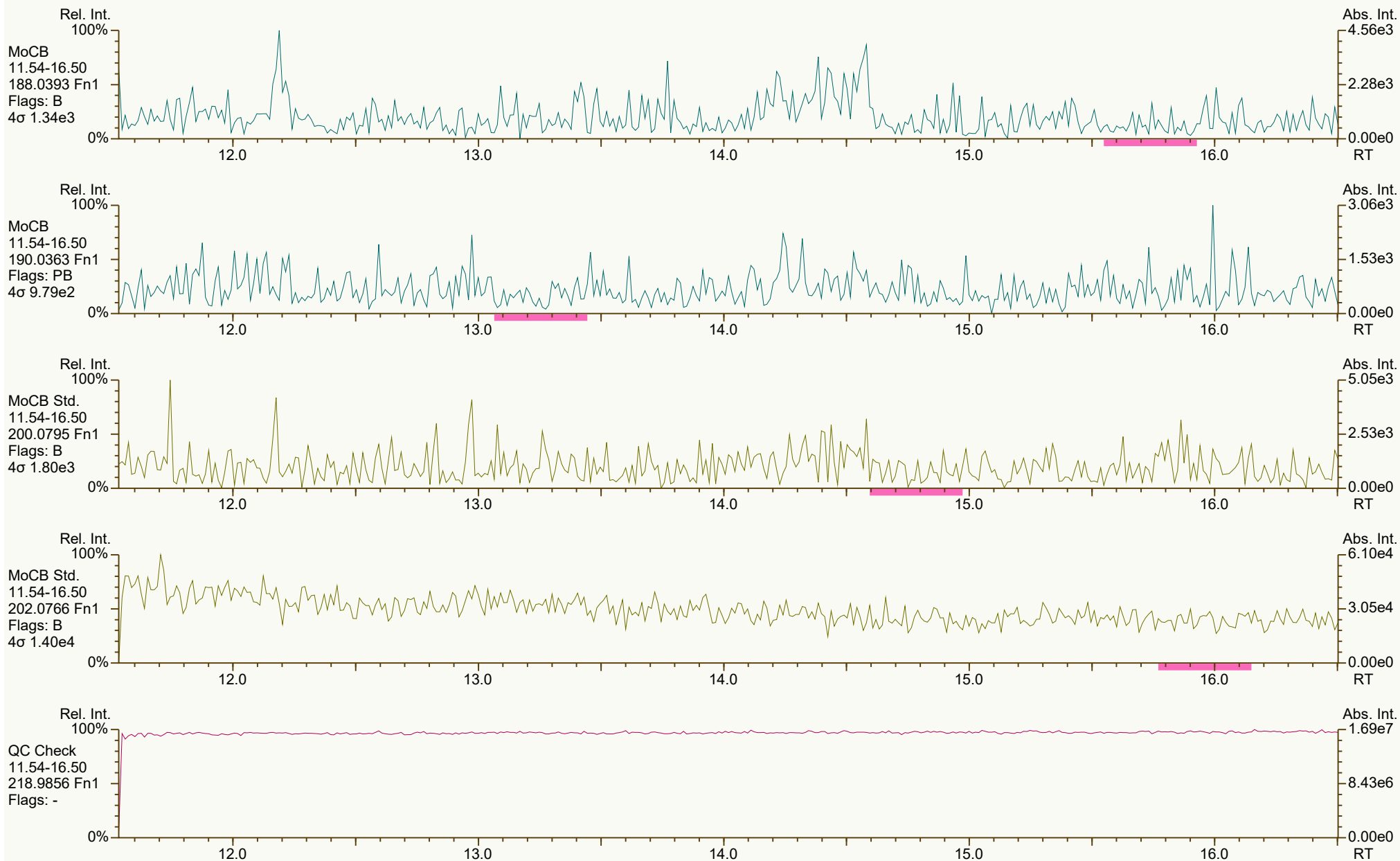
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 13-May-2024 11:29 Page 1 of 21

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



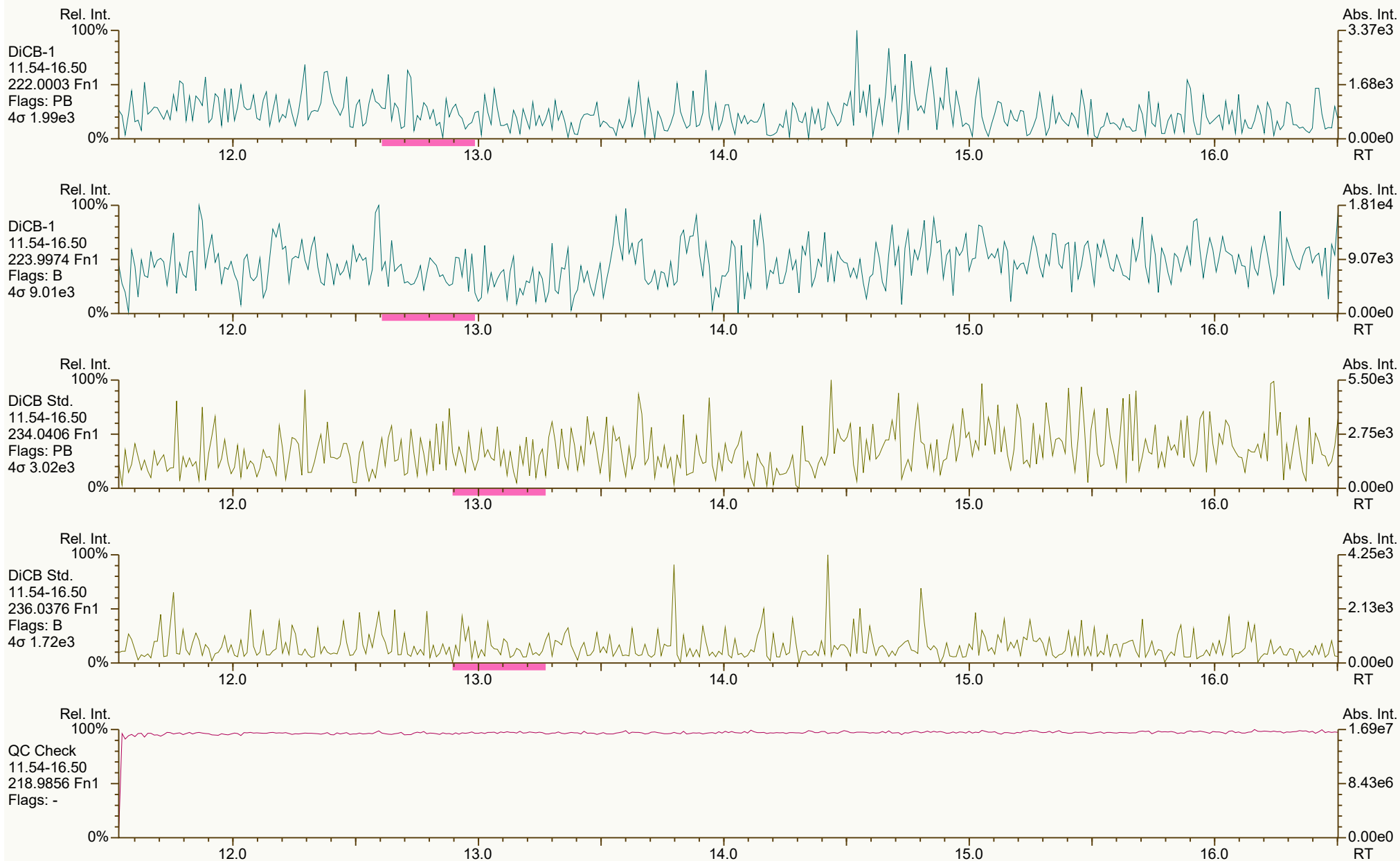
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 2 of 21

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



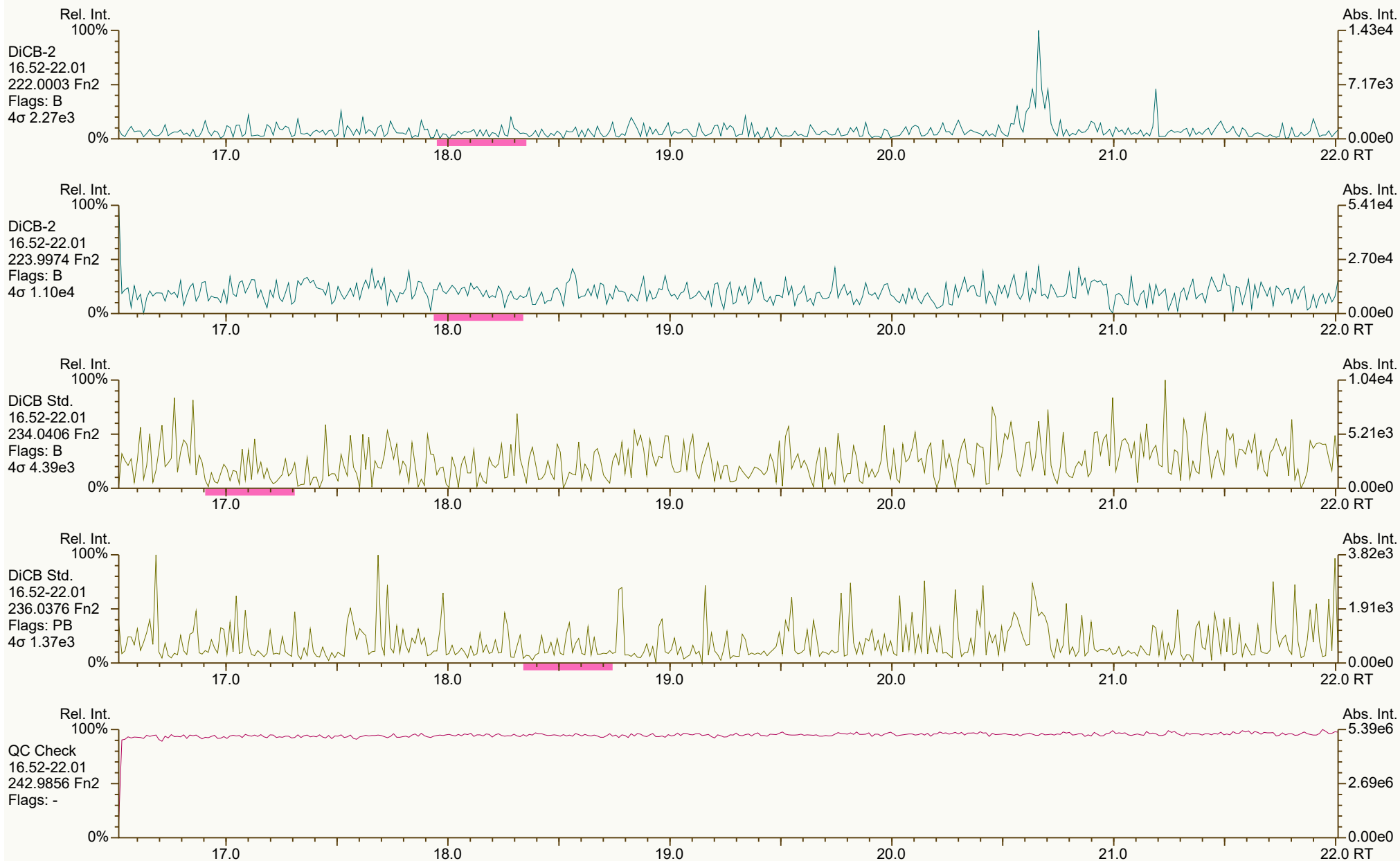
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 3 of 21

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



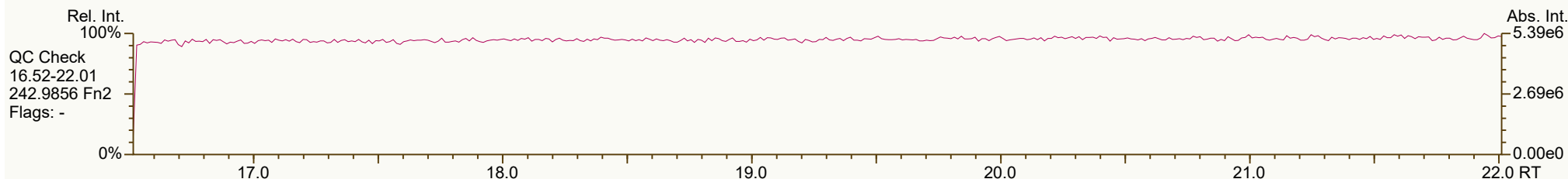
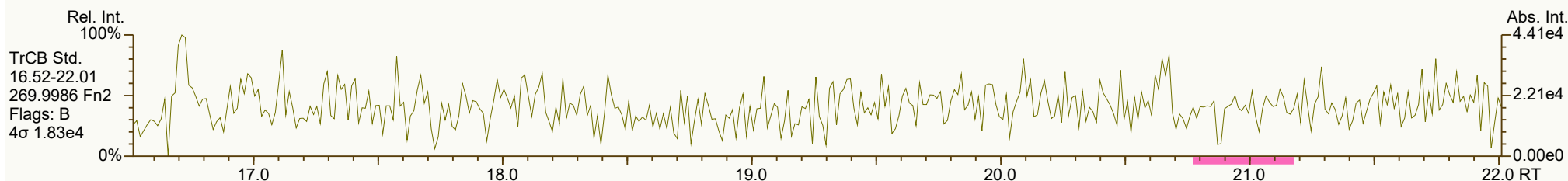
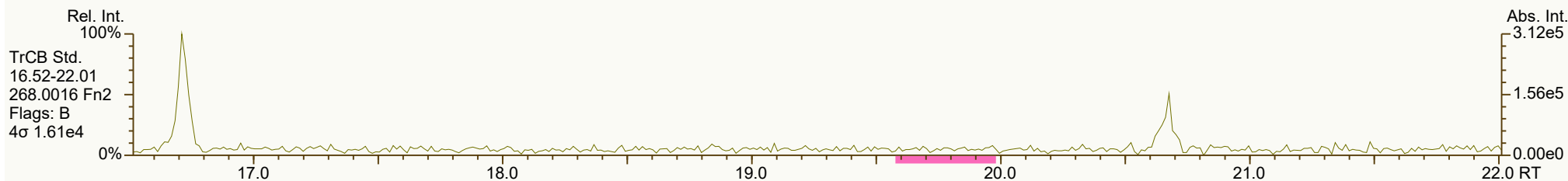
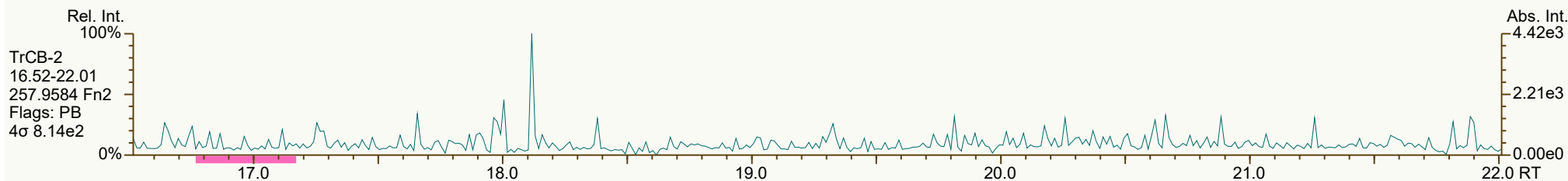
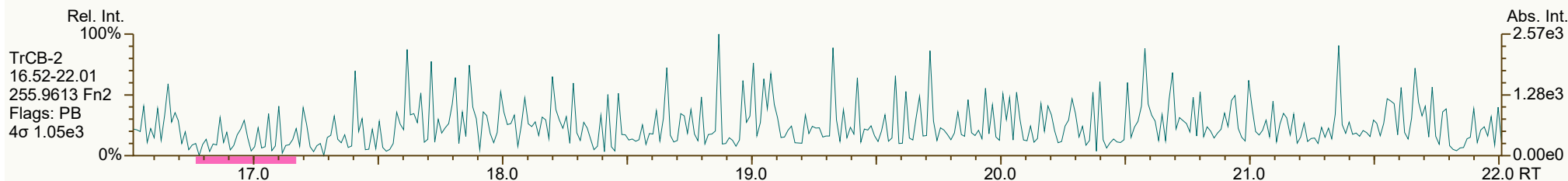
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 4 of 21

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



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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
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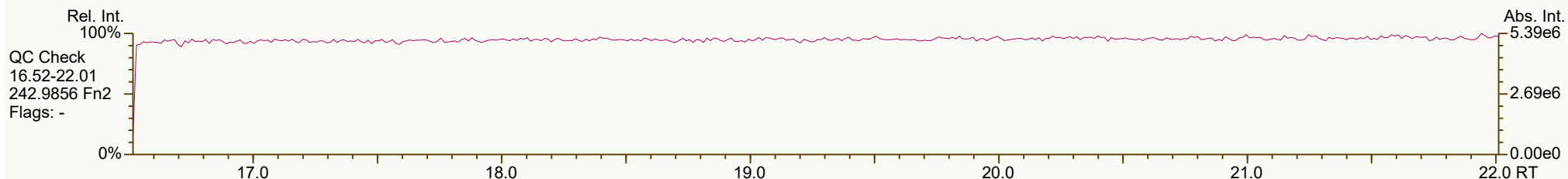
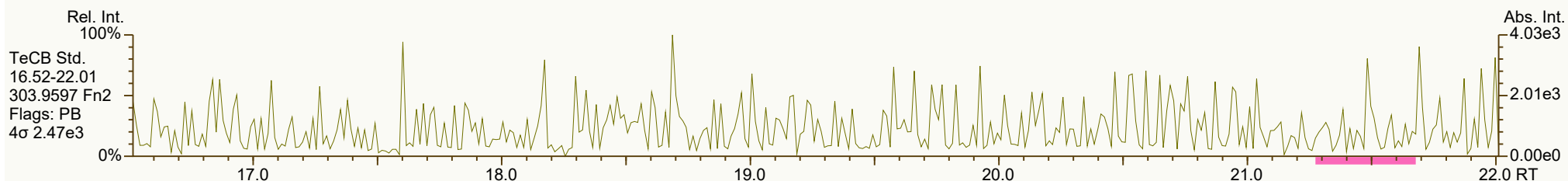
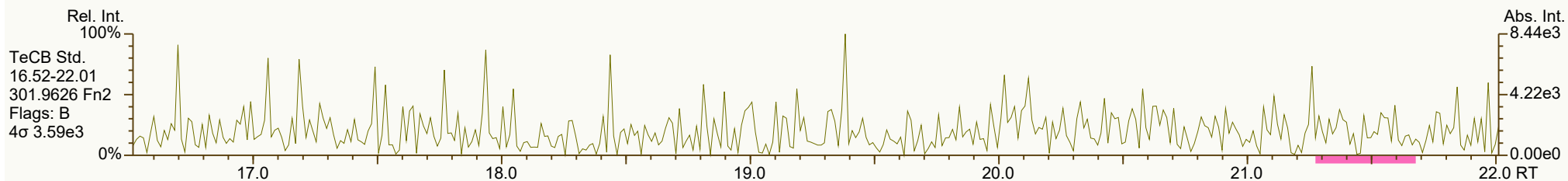
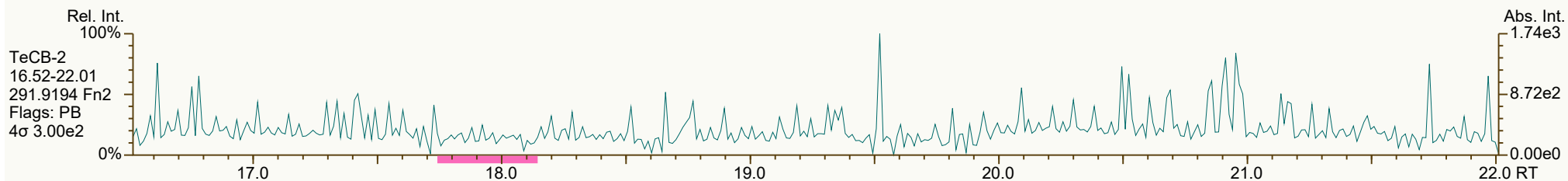
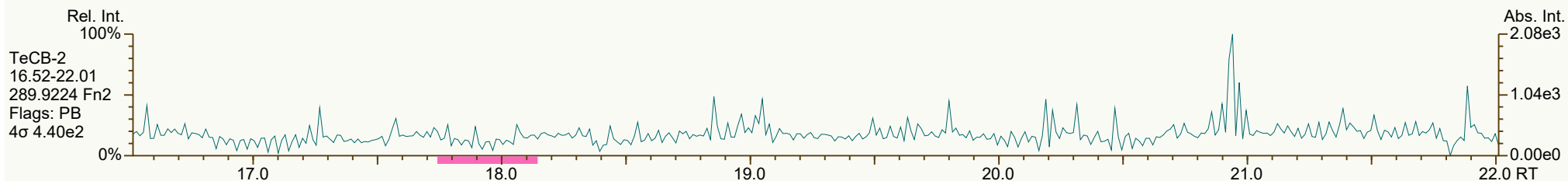
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 0030, 9301 scc: 727-782

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
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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

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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
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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
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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
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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
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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
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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



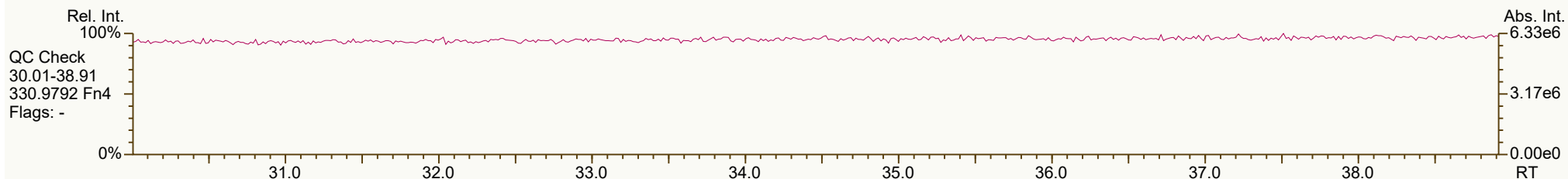
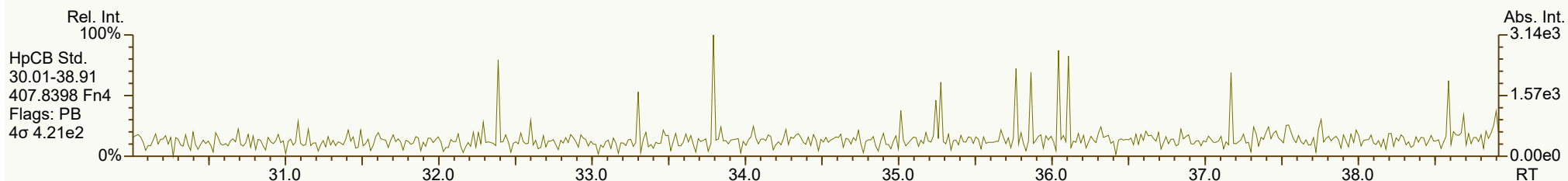
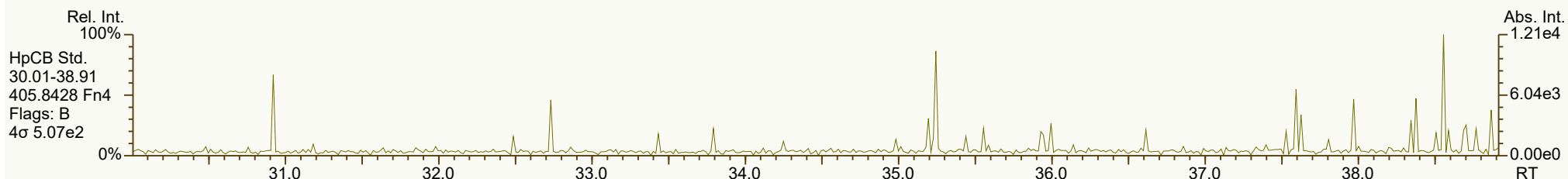
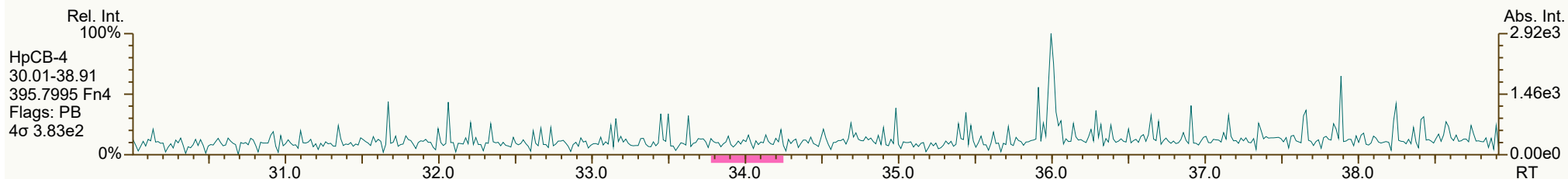
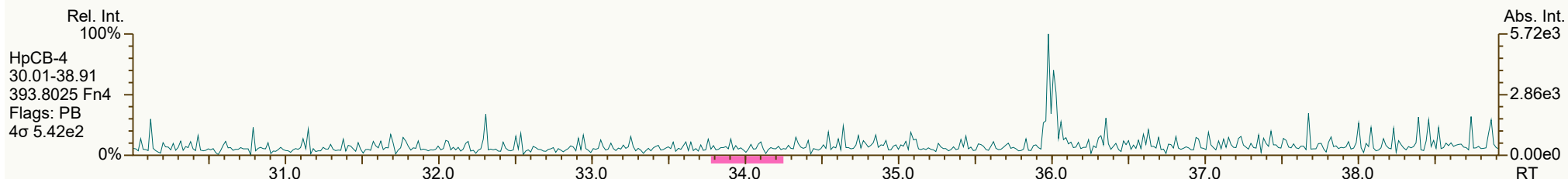
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:21 Printed: 13-May-2024 11:29 Page 14 of 21

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

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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

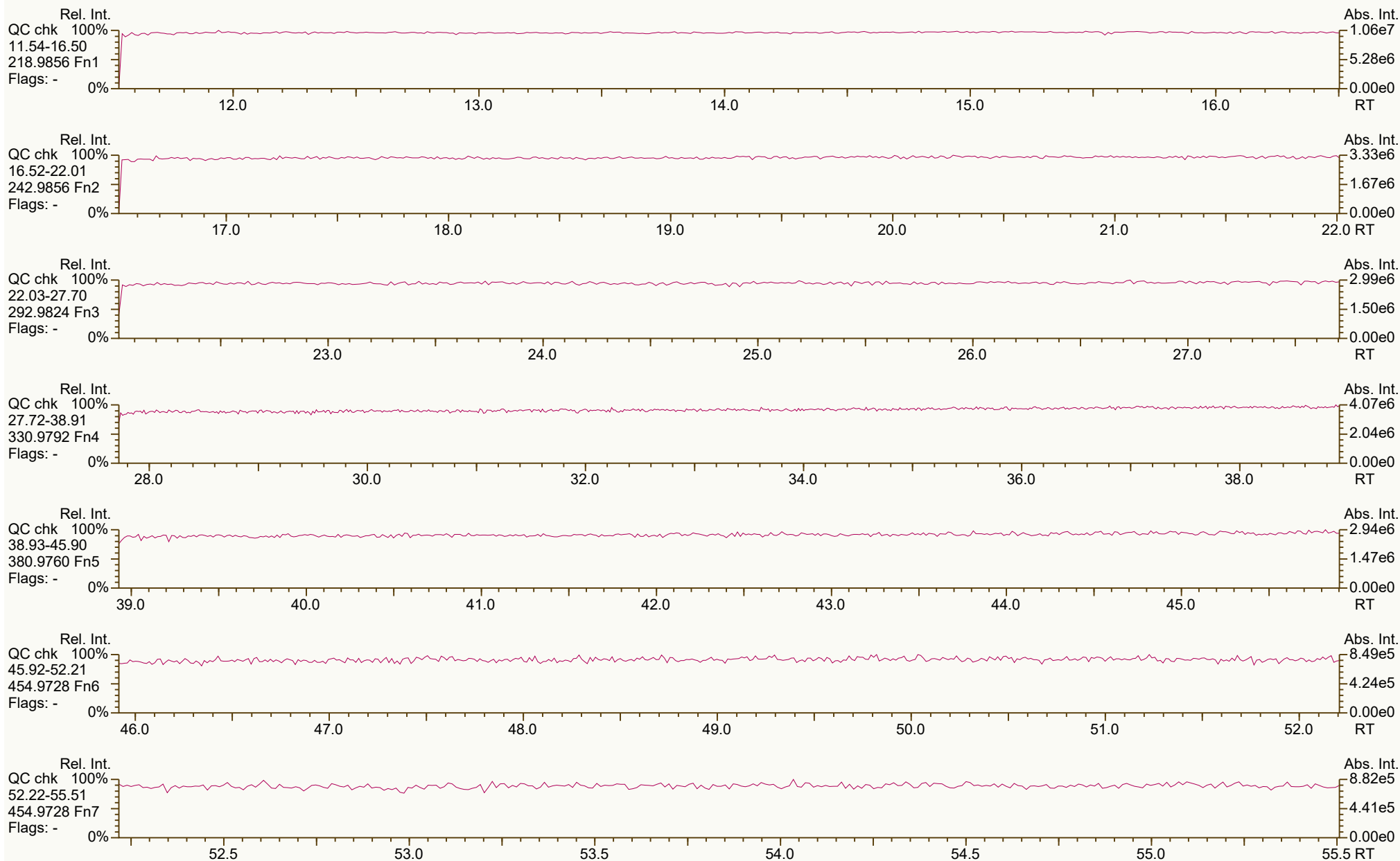
PCB QC Summary		SGS North America			Printed: 8 May 2024 11:11		
Lab ID:	CS3_240503_PCB_BB			ICAL: HRMS2_PCB_03MAY2024			
Acquired:	03-MAY-2024 17:23						
Datafile:	240503B12						
Name	RT	Response	RA	ICAL	RRF	Deviation	
PCB-77 33'44'-TeCB	33.52	9.61E+06	0.77 Y	0.95	0.99	4.9%	
PCB-81 344'5'-TeCB	33.03	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



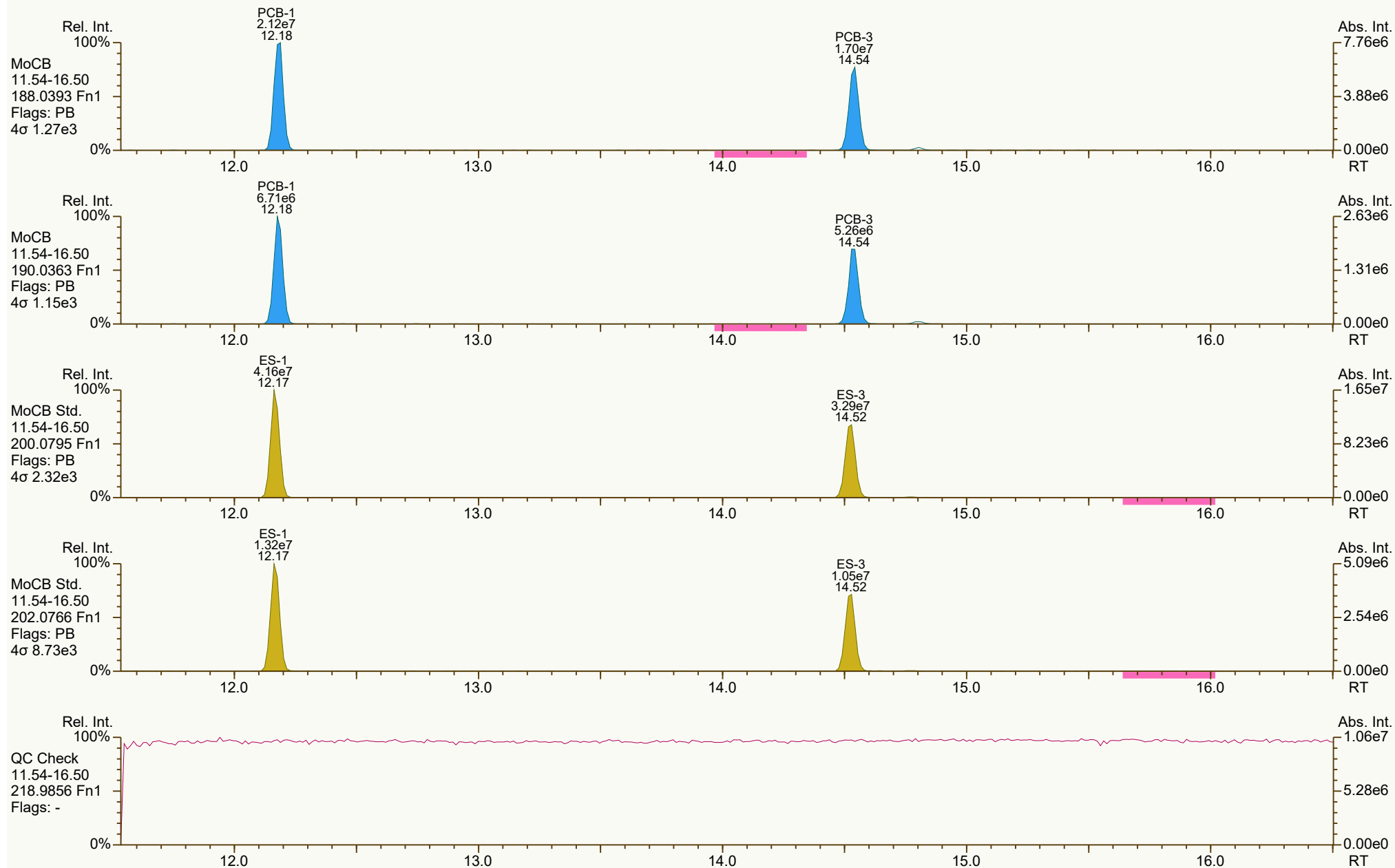
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Peak annotation: Areas, Centroids
PKD: n/a Printed: 08-May-2024 11:14 Page 1 of 21

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



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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



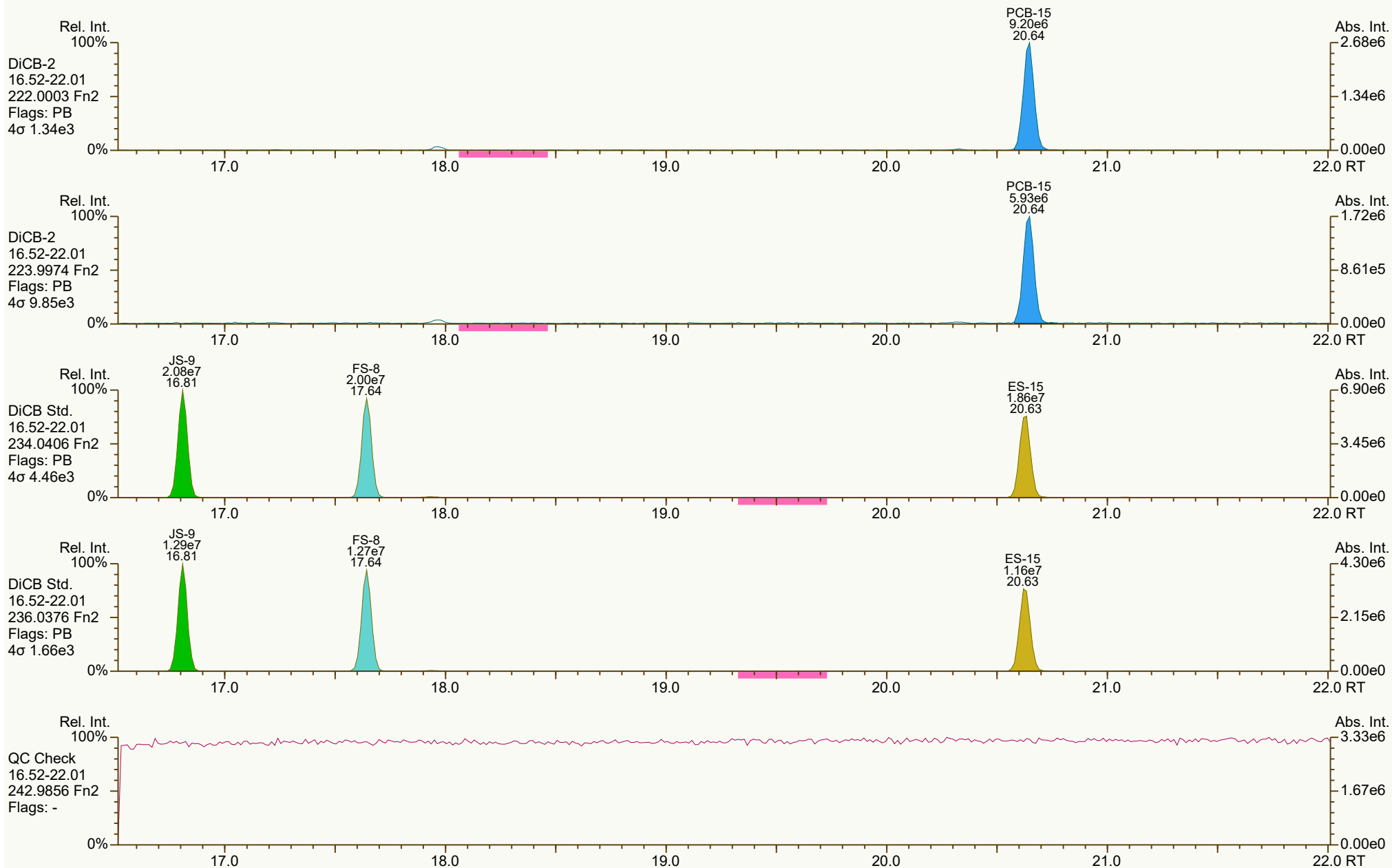
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Peak annotation: Areas, Centroids
Revised: 08-May-2024 08:57 (JHL) Printed: 08-May-2024 11:14 Page 3 of 21

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



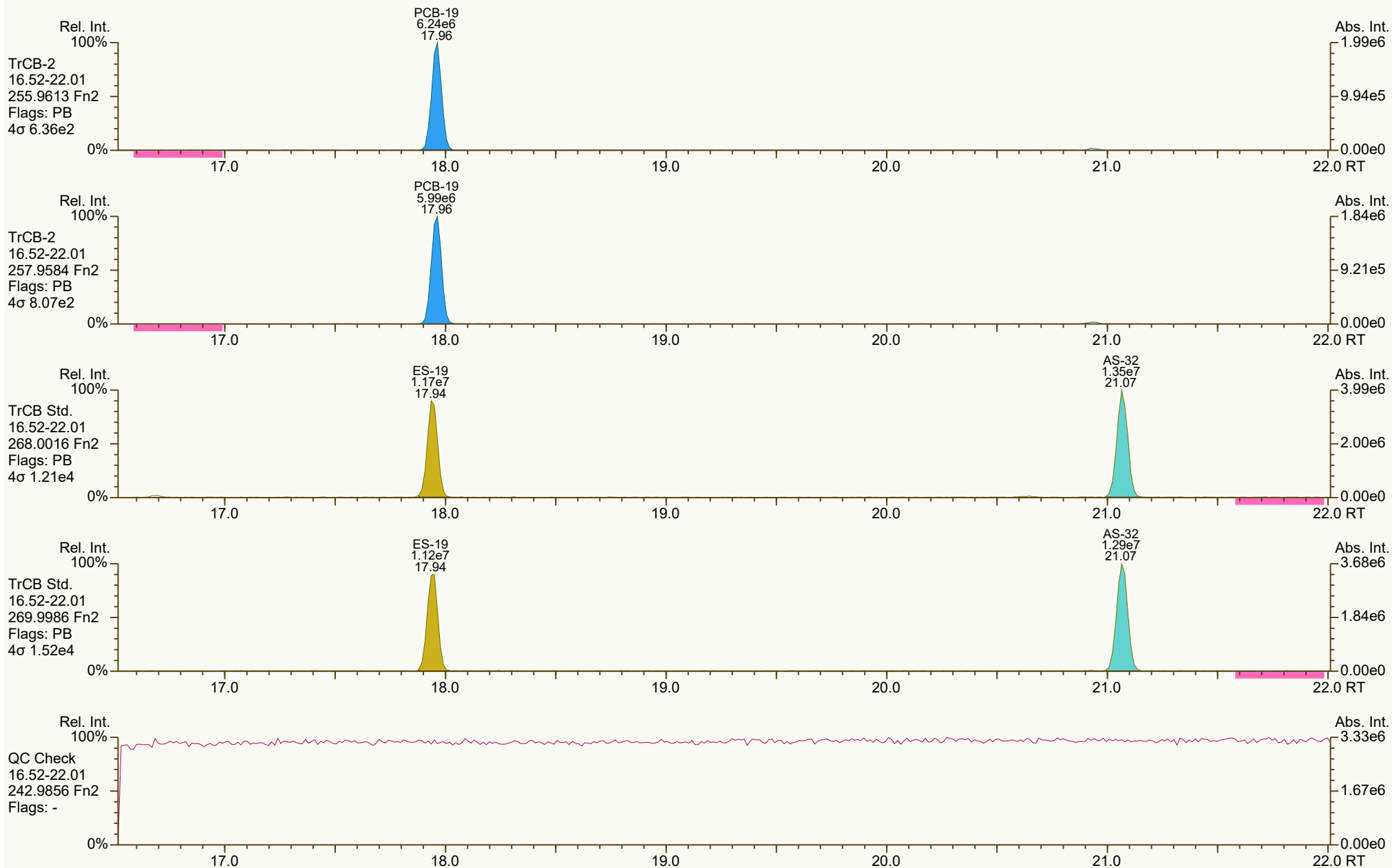
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 4425, 5816 scc: 558-687

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:\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: 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



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



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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



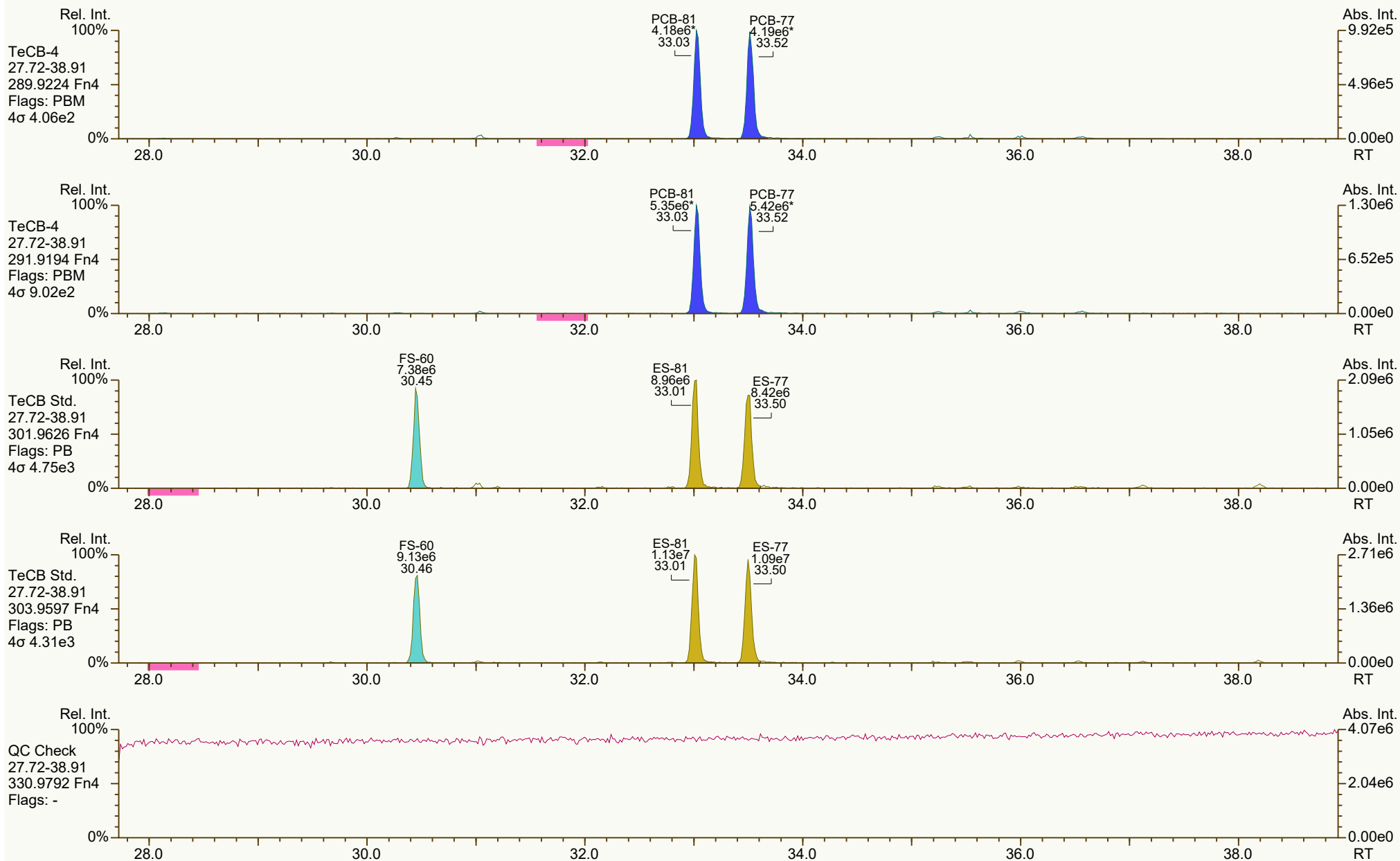
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 10:22 Printed: 08-May-2024 11:14 Page 8 of 21

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



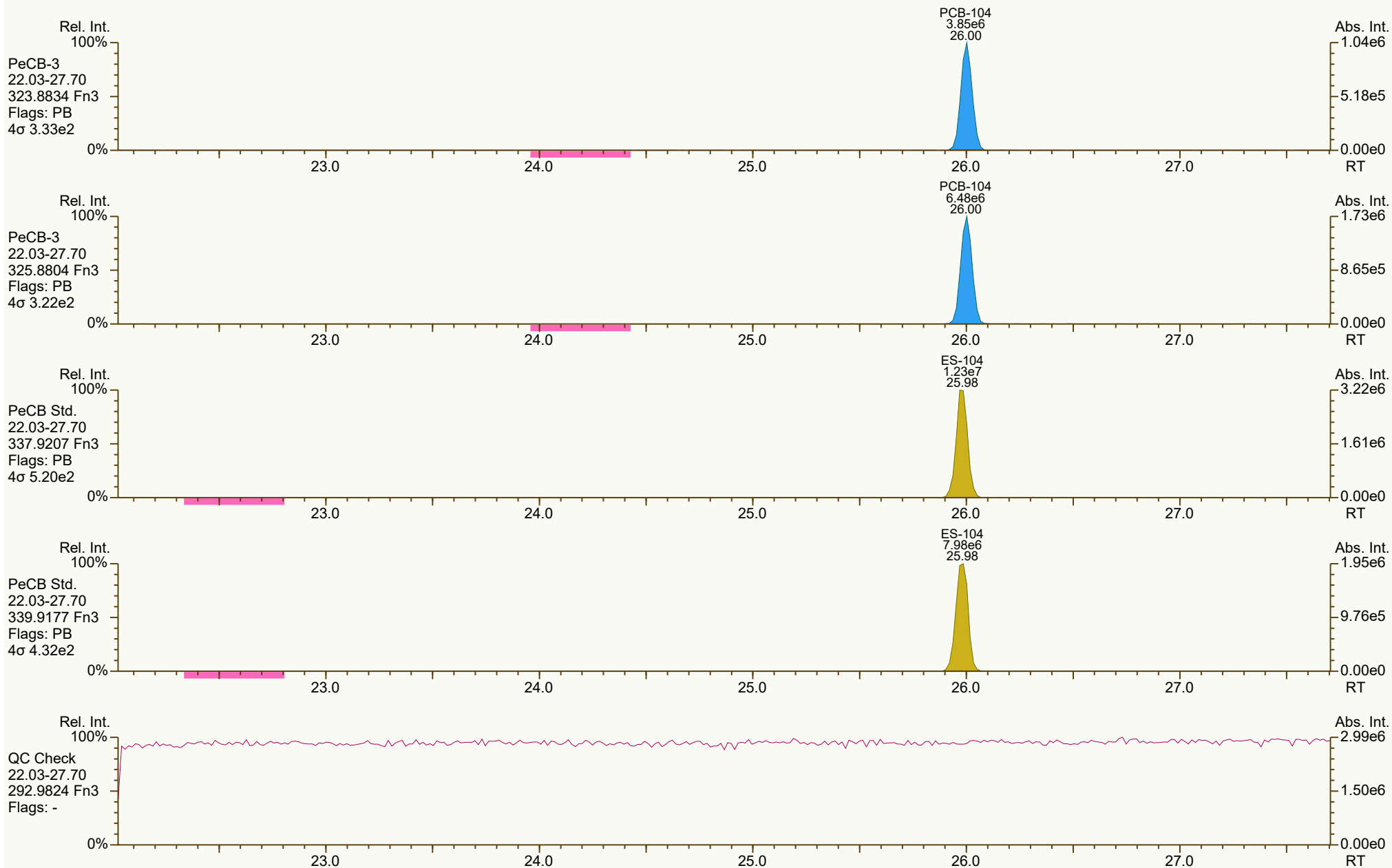
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 9176, 5333 scc: 558-687

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

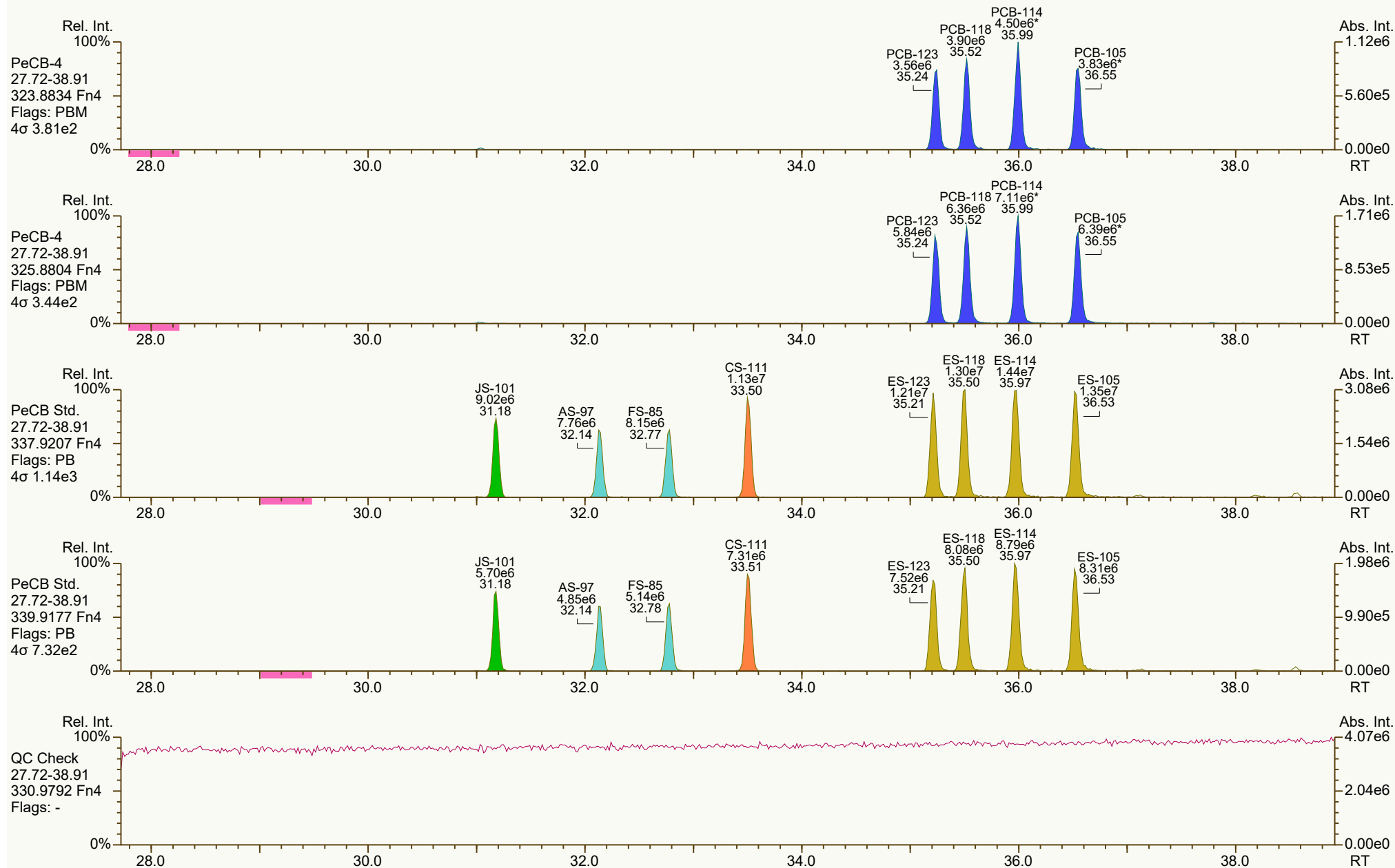
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SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

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



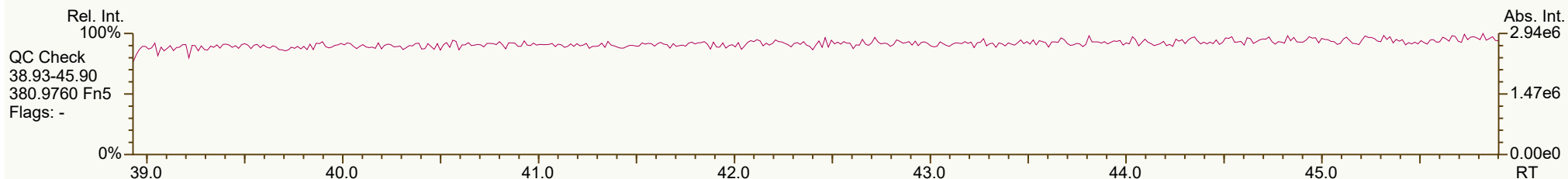
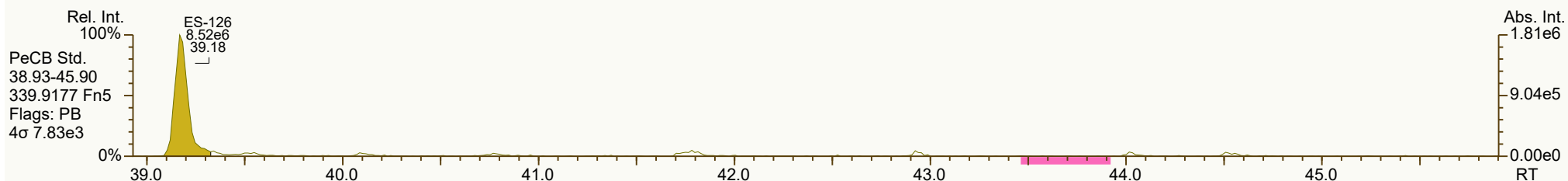
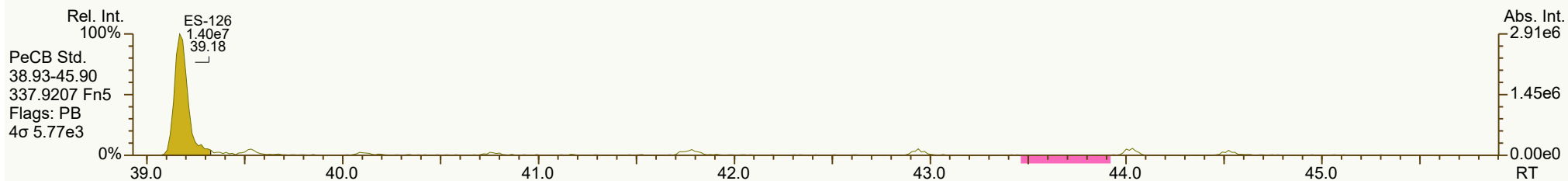
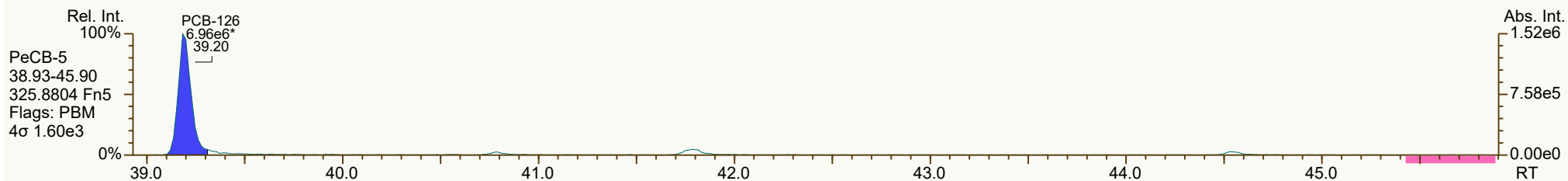
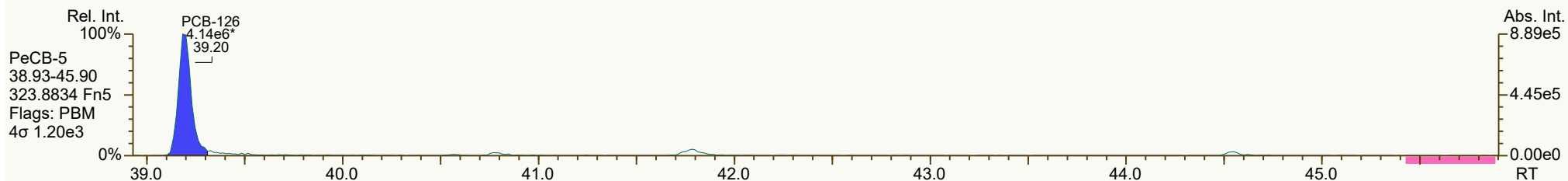
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX cc: 8736, 5257 scc: 558-687

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



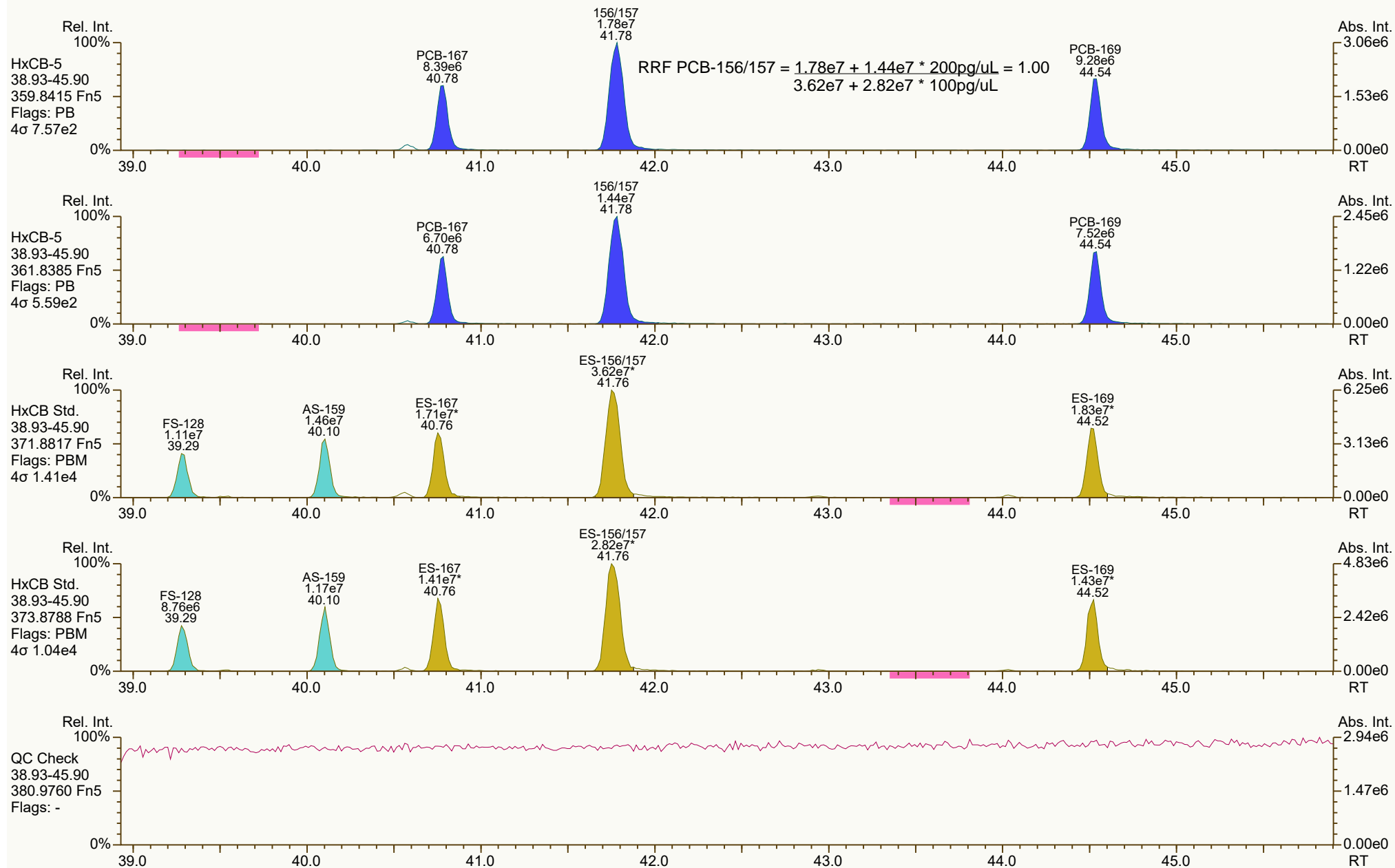
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:14 Page 13 of 21

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



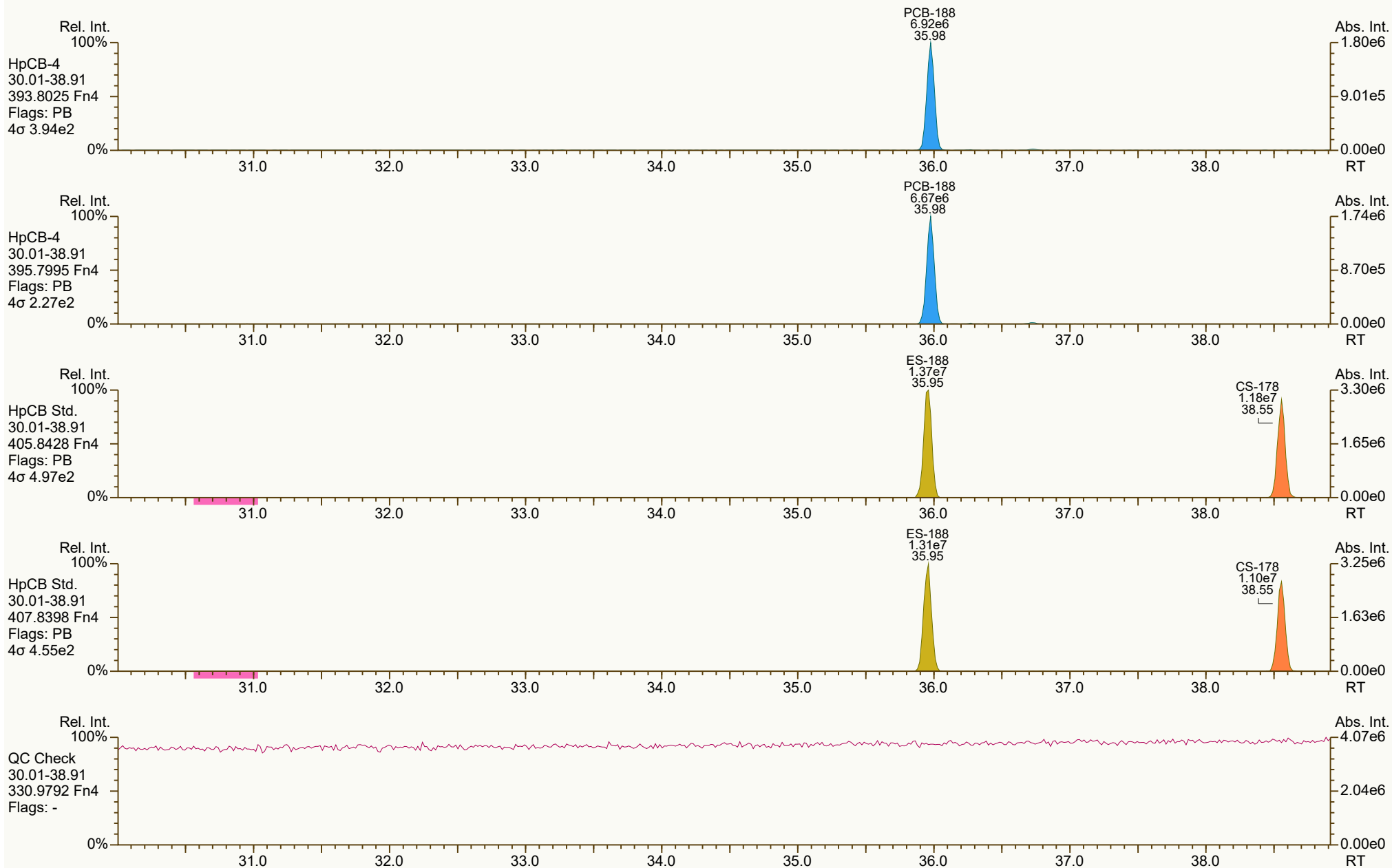
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 10:22 Printed: 08-May-2024 11:14 Page 14 of 21

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



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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



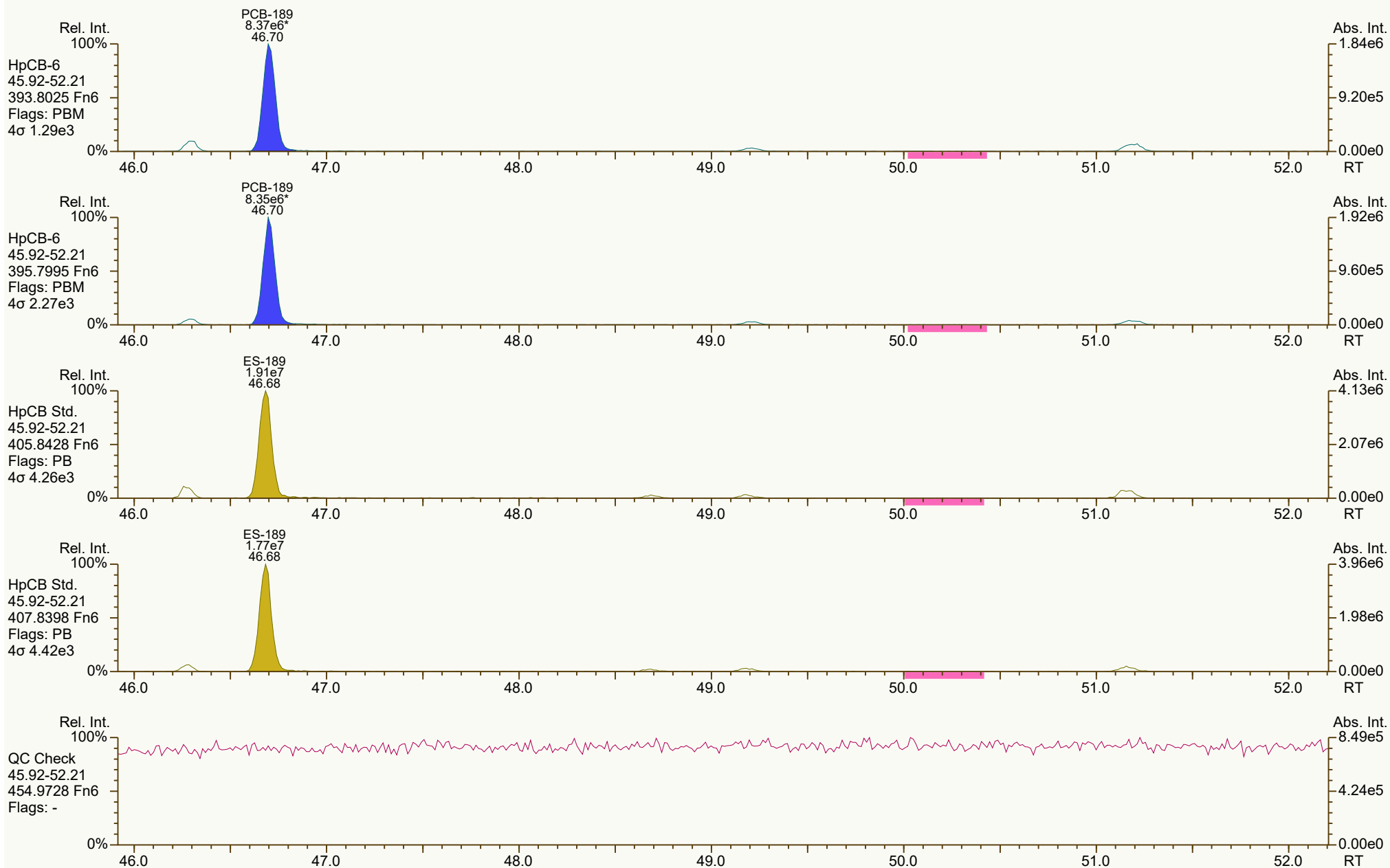
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 16 of 21

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

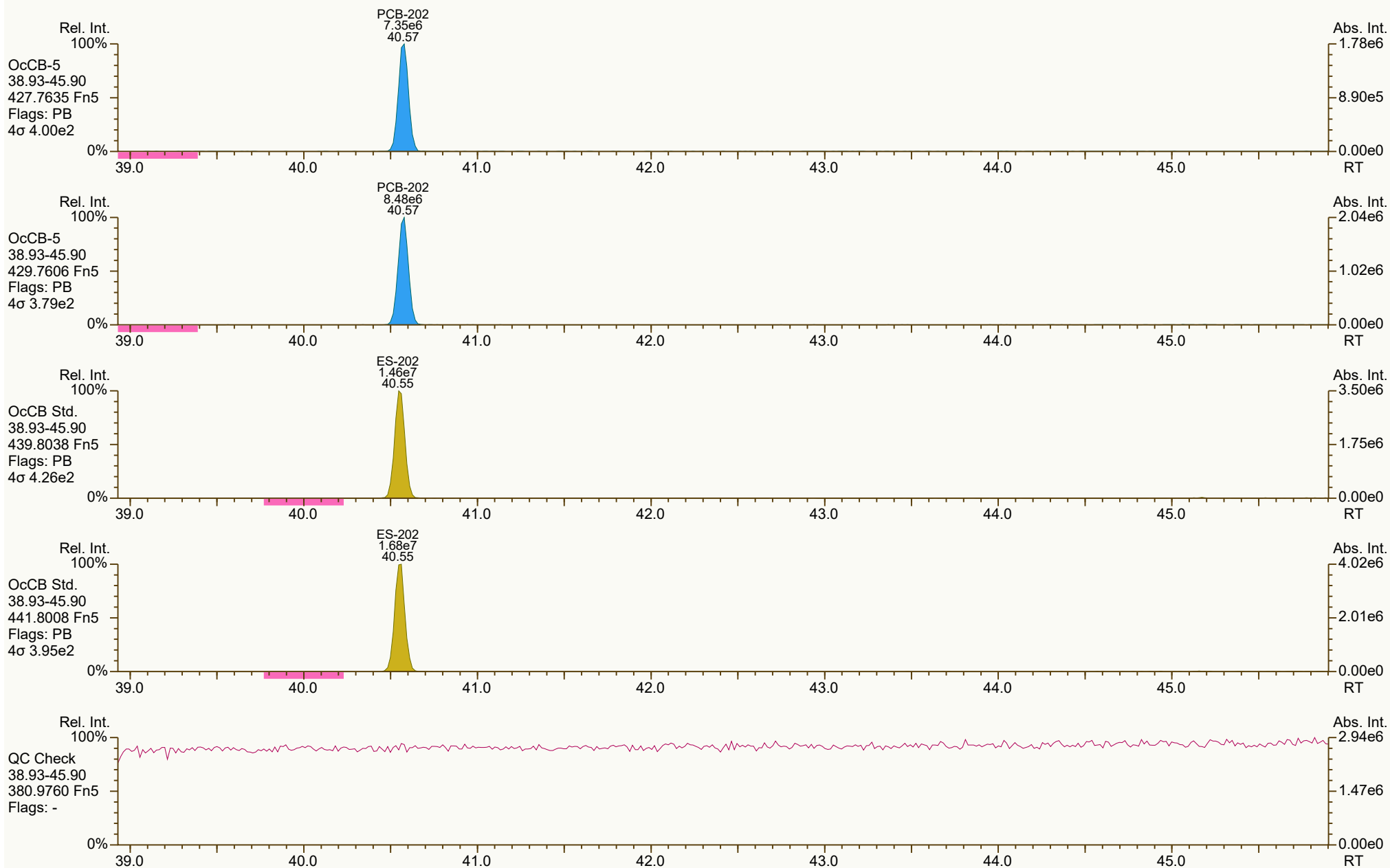
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SGS ID: CS3_240503_PCB_BB
Instr: [ILM] AutoSpec-Ultima HRMS2

Sample ID: ICV SIL 27-48-3
VSIR EI+ Expt: pcb-2016 GC: pcb90_FI Vial: 8

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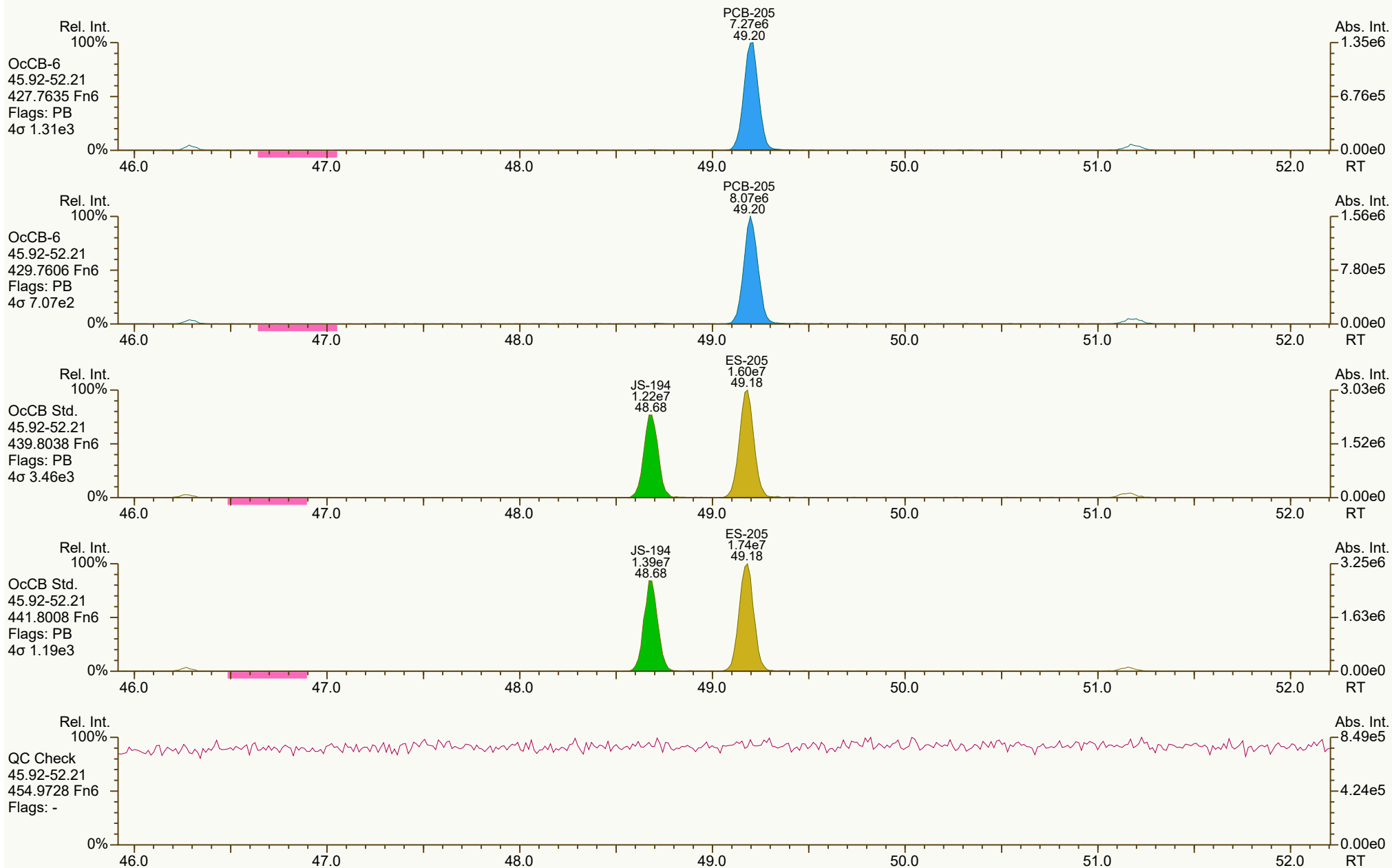
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 18 of 21

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

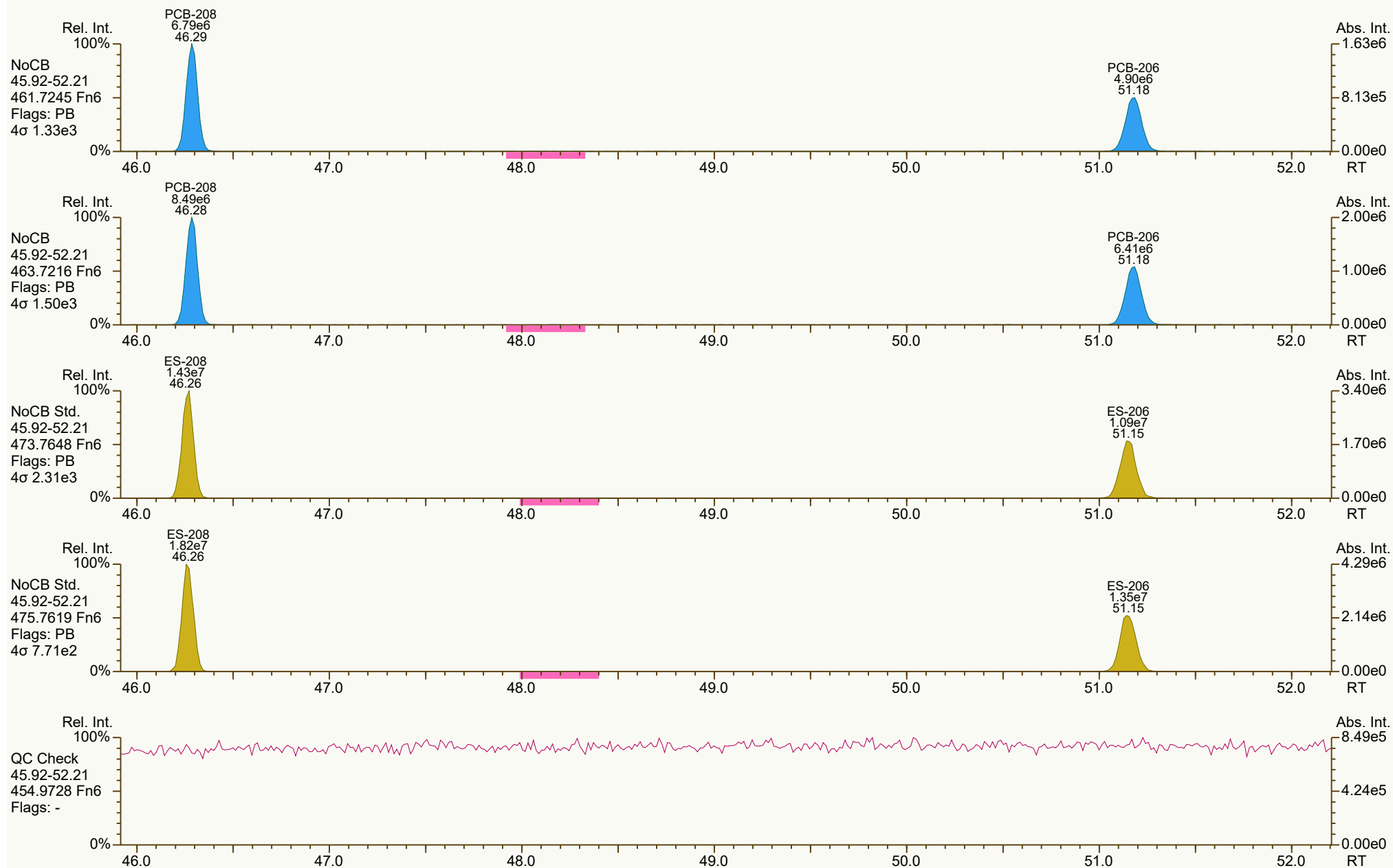
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Instr: [ILM] AutoSpec-Ultima HRMS2

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



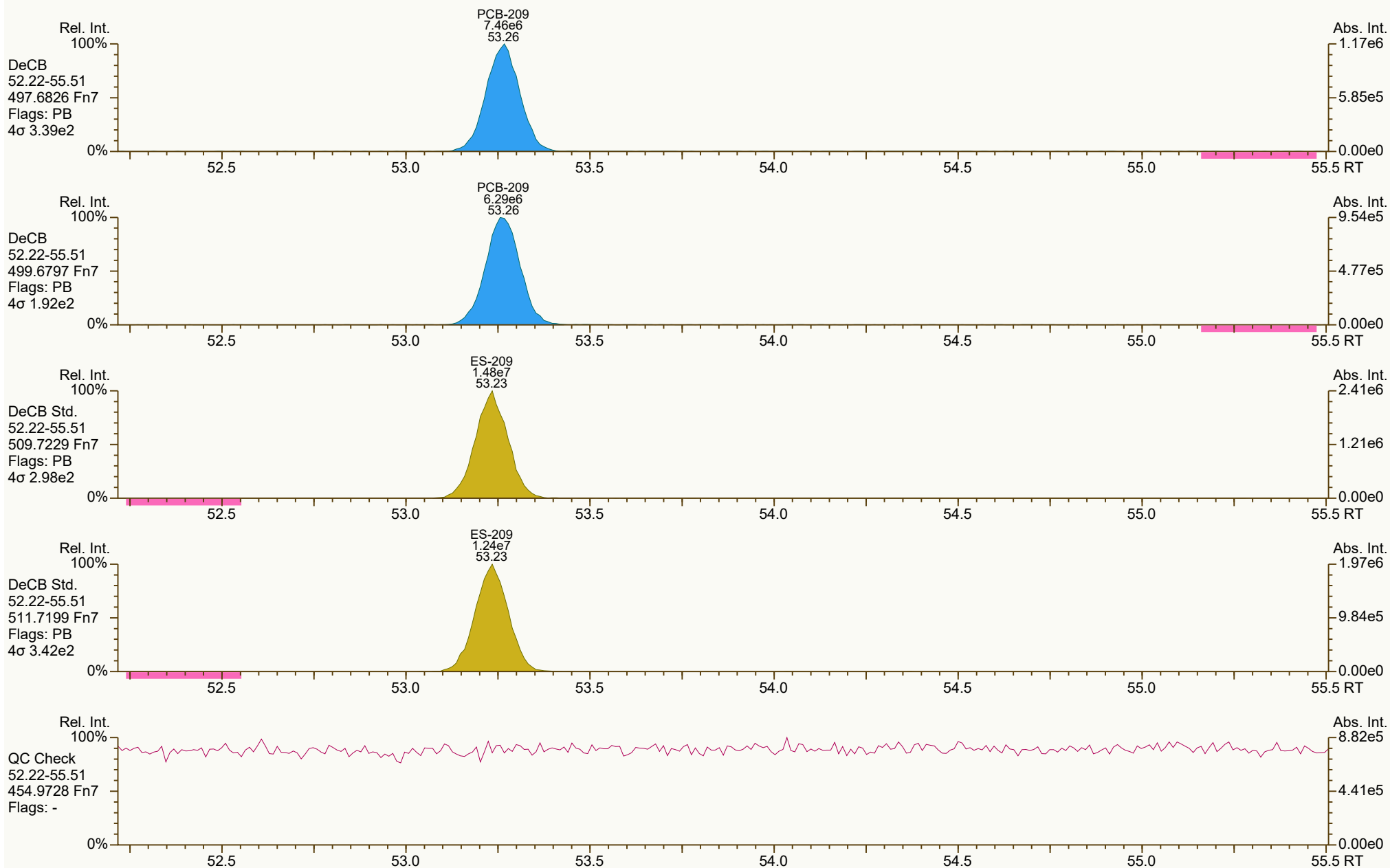
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 20 of 21

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
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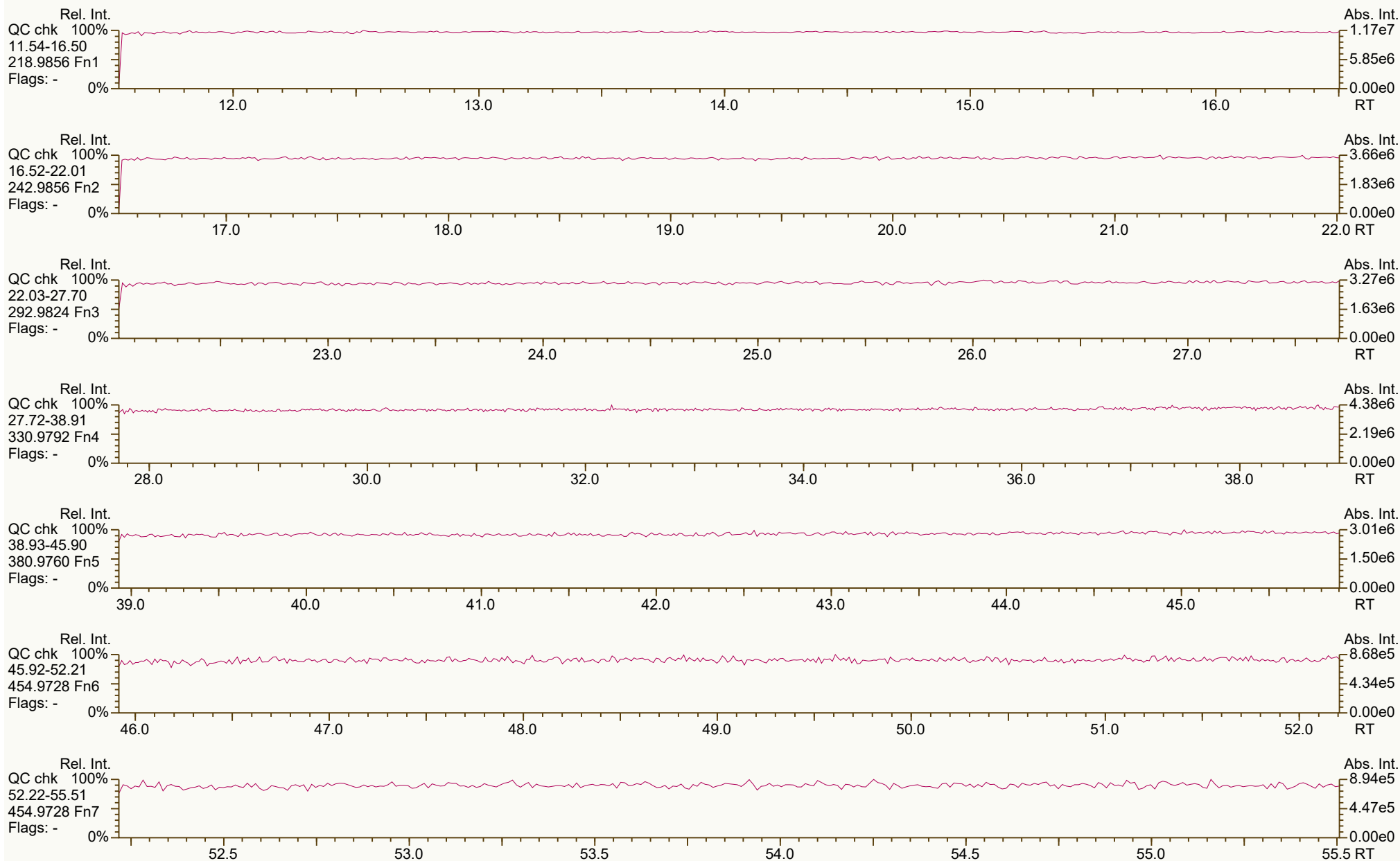
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Peak annotation: Areas, Centroids
PKD: 08-May-2024 08:58 Printed: 08-May-2024 11:15 Page 21 of 21

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



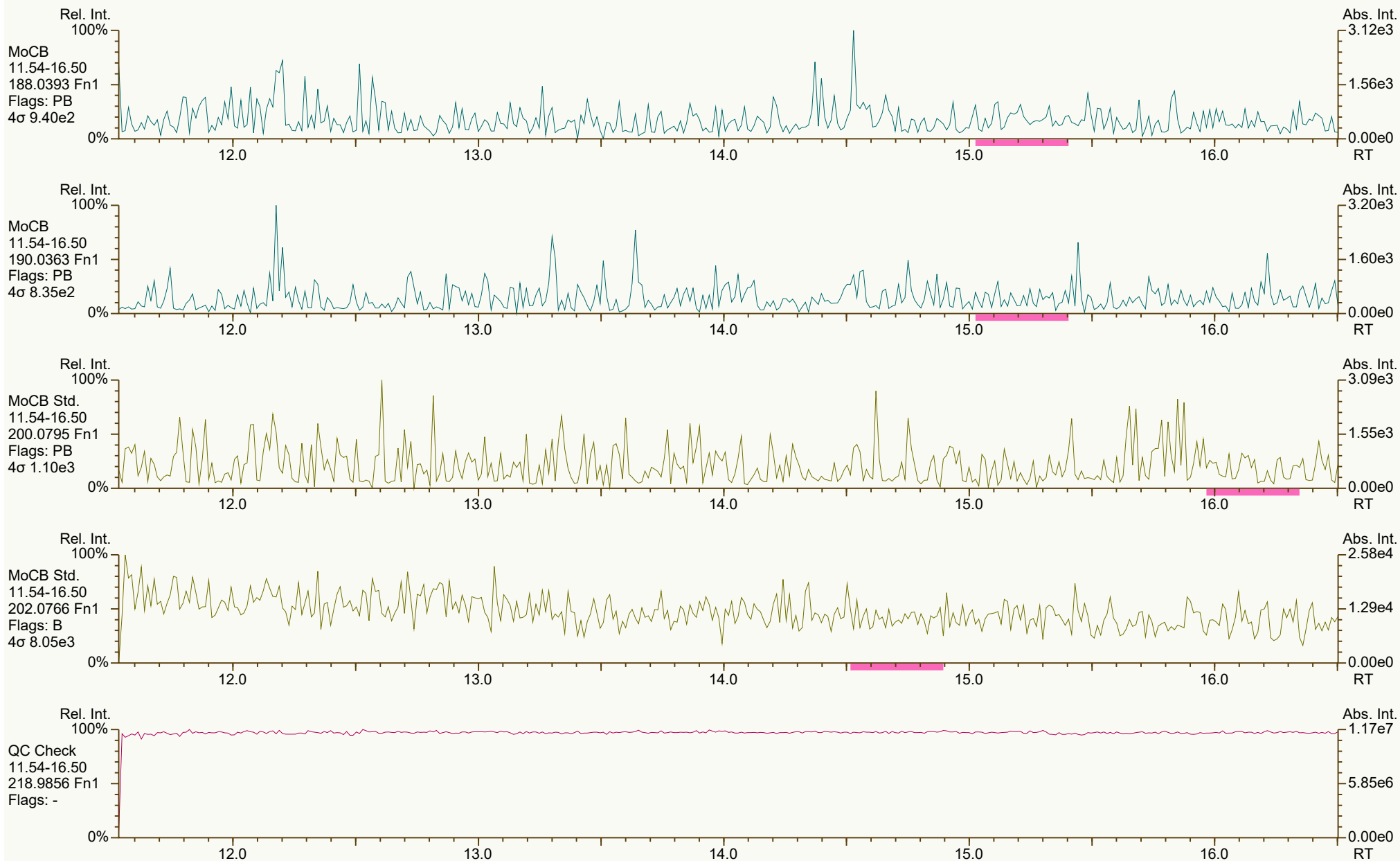
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SGS UltraTrace-Pro V5.12 User/System: RAB/USPF2F2DQX scc: 002-863

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



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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
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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
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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



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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
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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



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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



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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



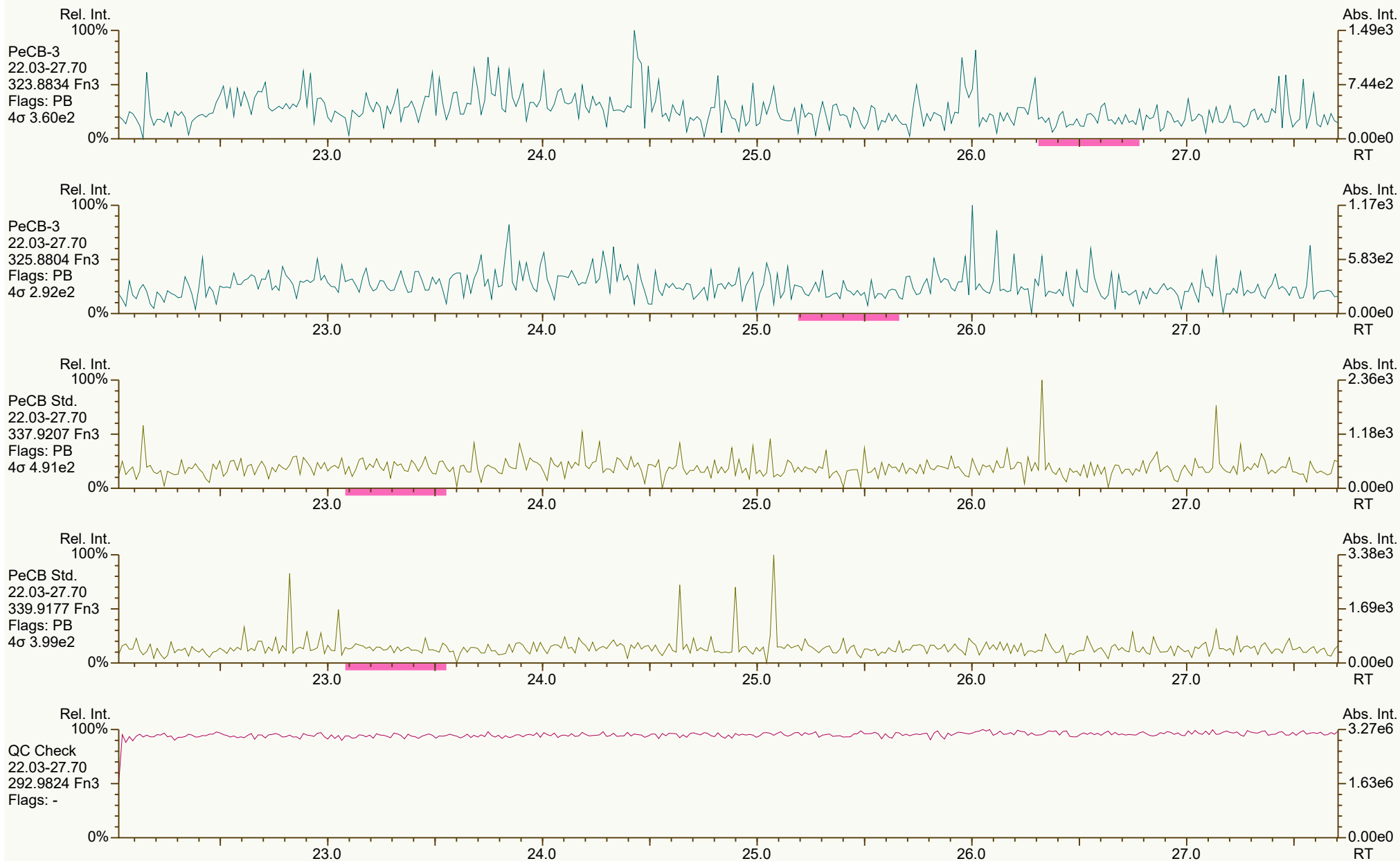
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 9 of 21

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



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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



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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



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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
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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



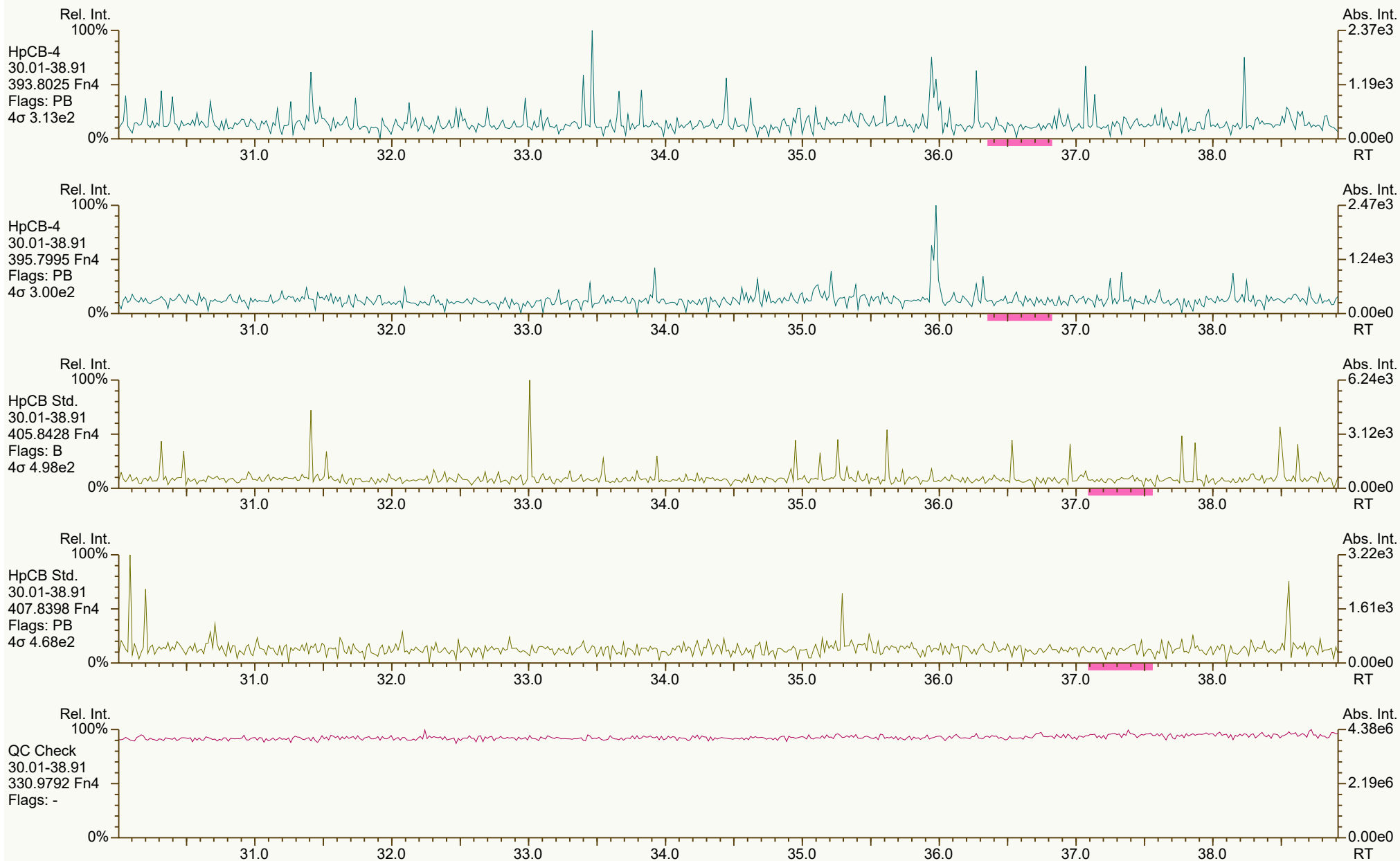
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Peak annotation: Areas, Centroids
PKD: 13-May-2024 11:33 Printed: 13-May-2024 11:34 Page 14 of 21

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
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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
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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
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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
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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



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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



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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

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User: PSW Datafile: 240503B11



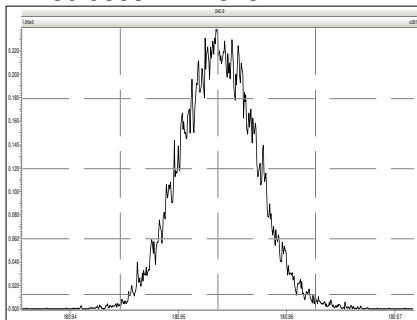
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Peak annotation: Areas, Centroids
Revised: 13-May-2024 11:33 (RAB) Printed: 13-May-2024 11:34 Page 21 of 21

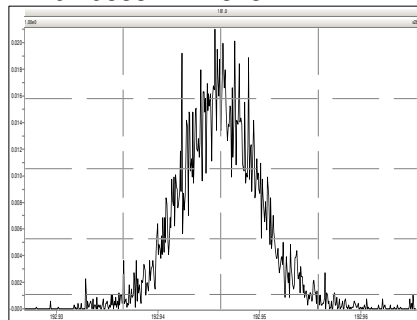
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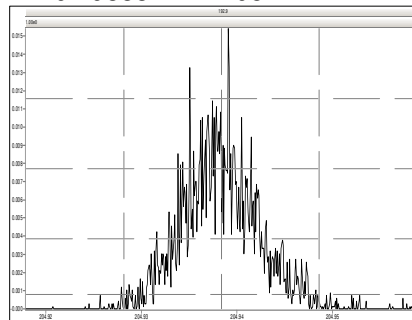
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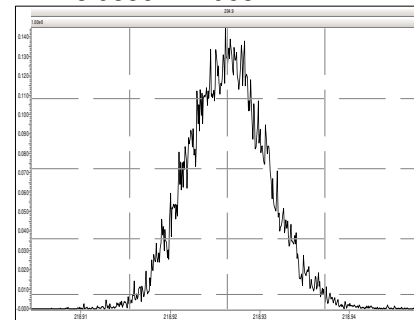
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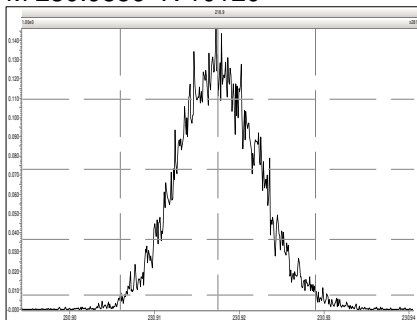
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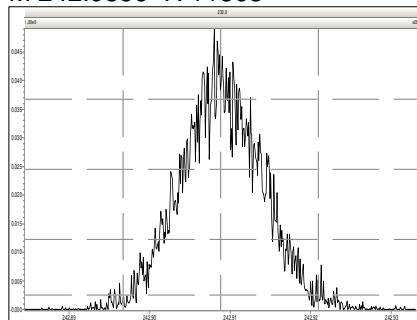
M 218.9856 R 10681



M 230.9856 R 10120



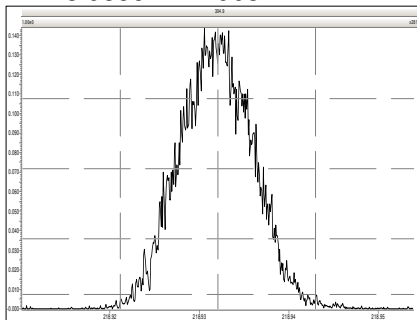
M 242.9856 R 11363



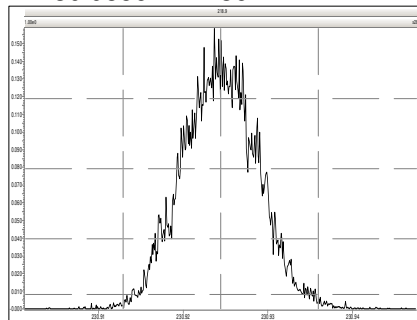
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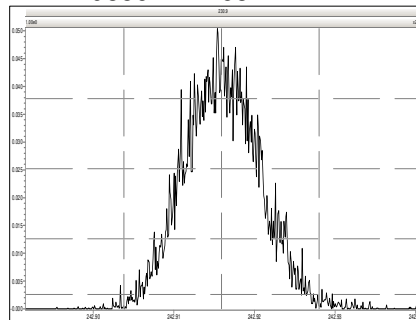
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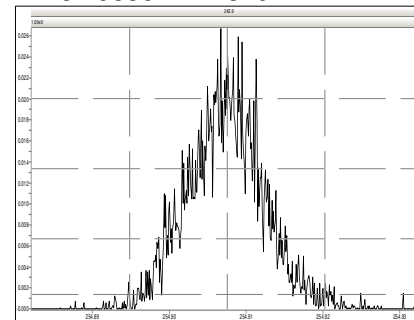
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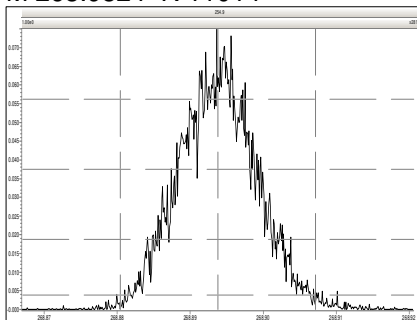
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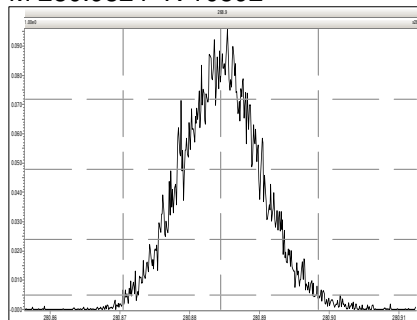
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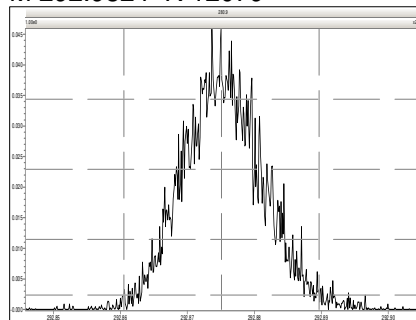
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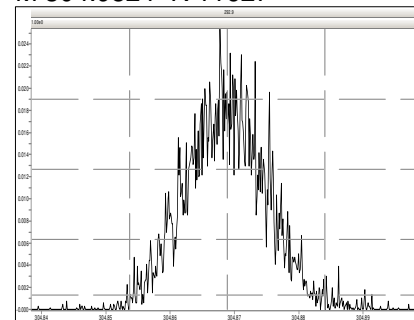
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M 292.9824 R 12079



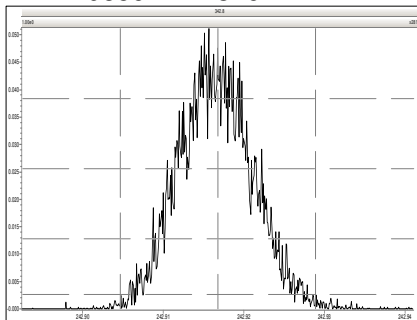
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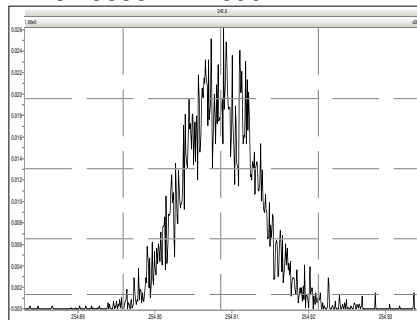
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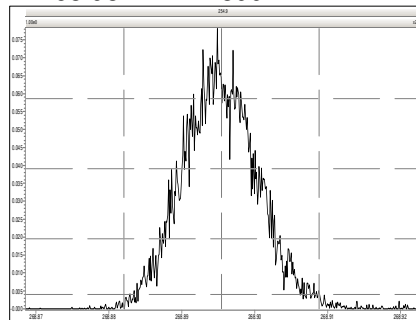
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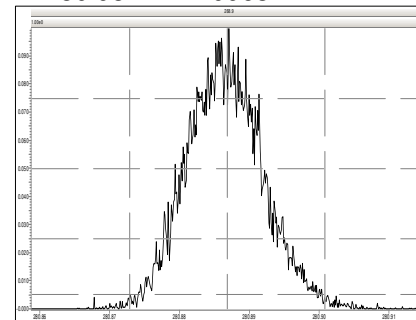
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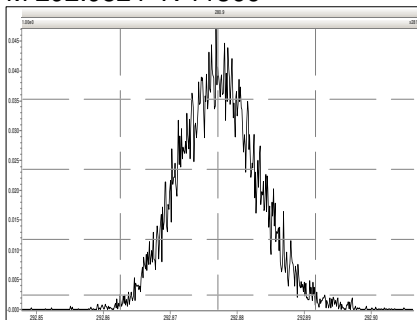
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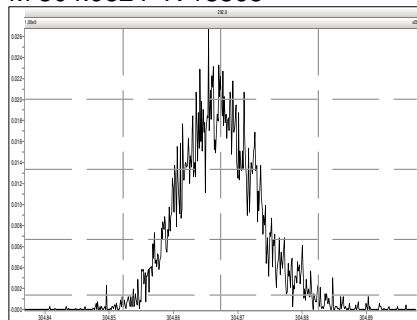
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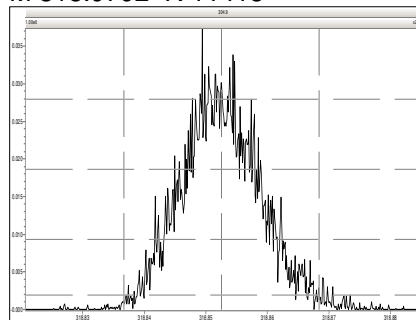
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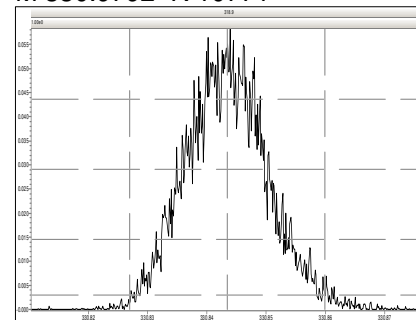
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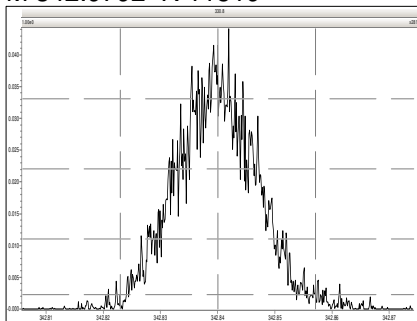
M 318.9792 R 11418



M 330.9792 R 10771



M 342.9792 R 11519



Experiment Calibration Report

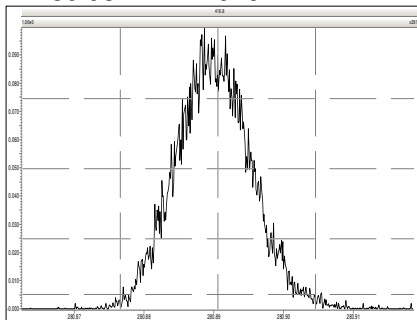
MassLynx 4.1 SCN815

Page 1 of 1

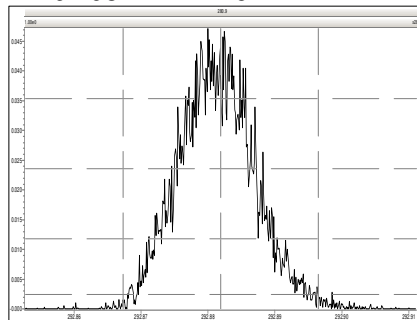
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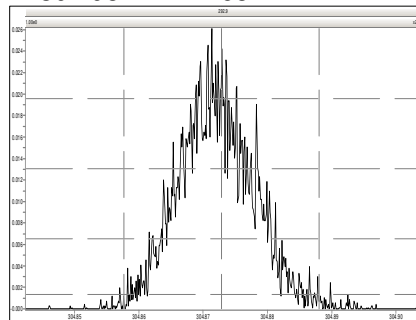
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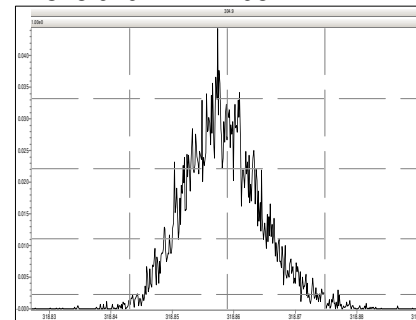
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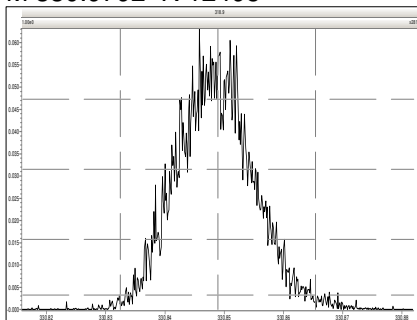
M 304.9824 R 11682



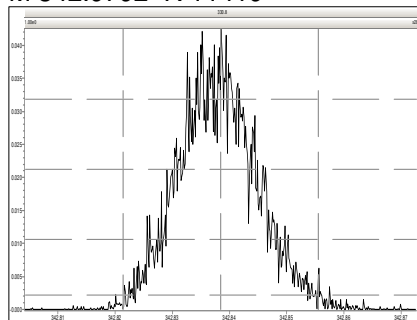
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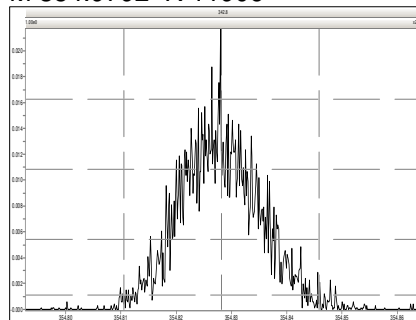
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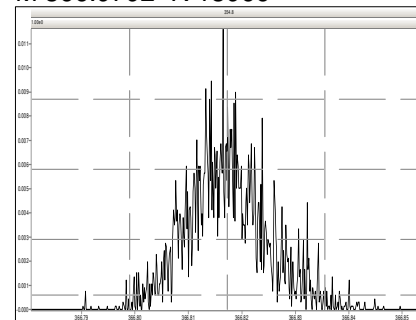
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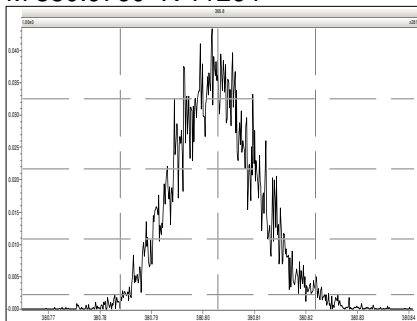
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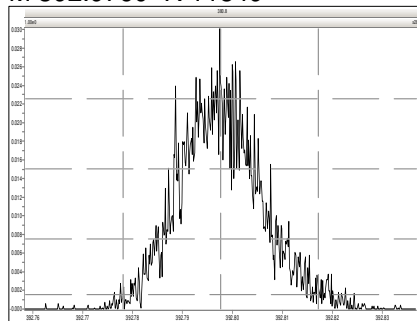
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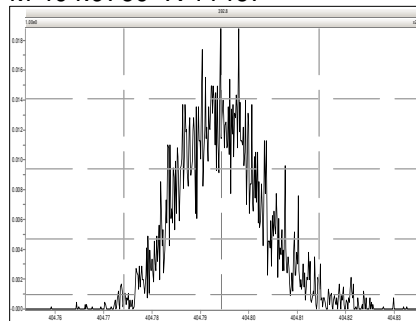
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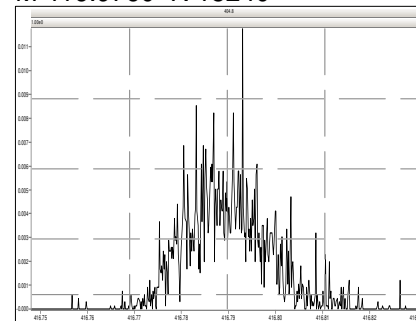
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M 404.9760 R 11467



M 416.9760 R 15240



Experiment Calibration Report

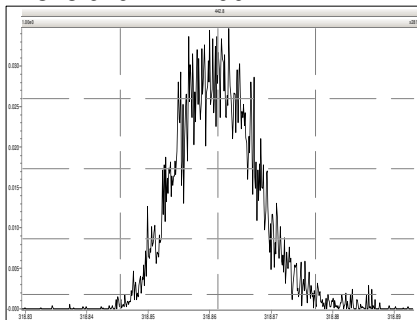
MassLynx 4.1 SCN815

Page 1 of 1

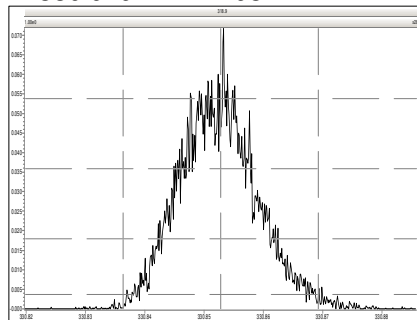
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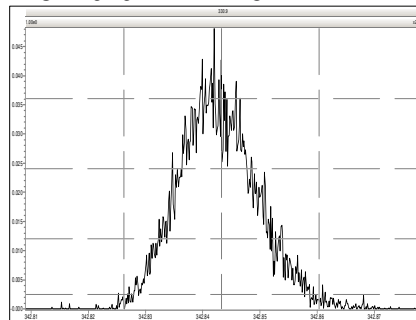
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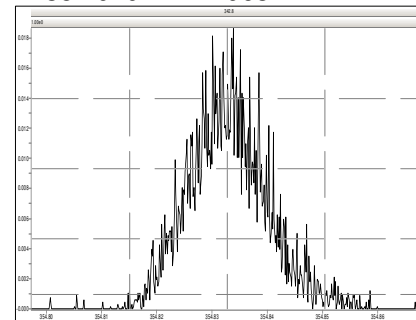
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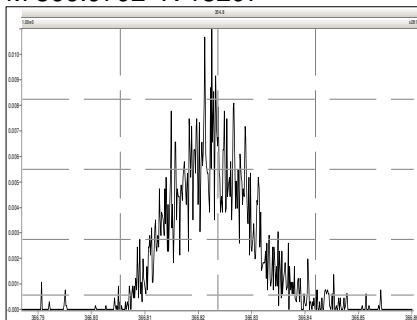
M 342.9792 R 11115



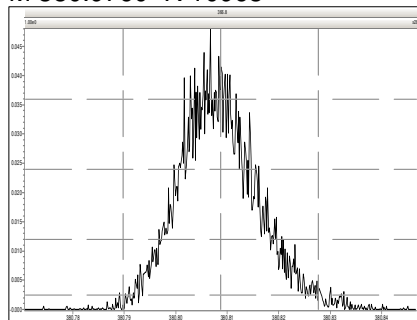
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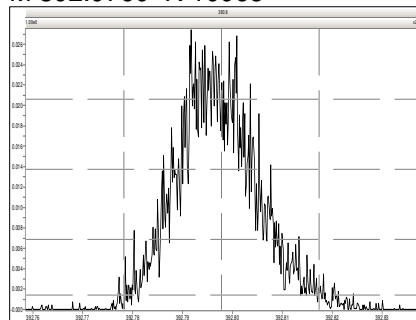
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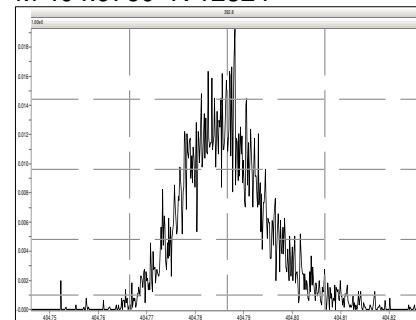
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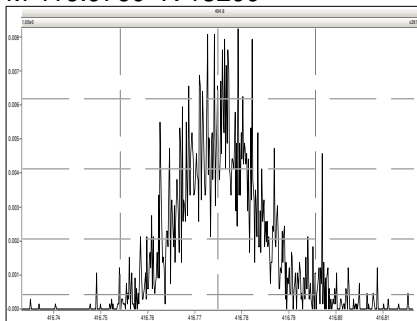
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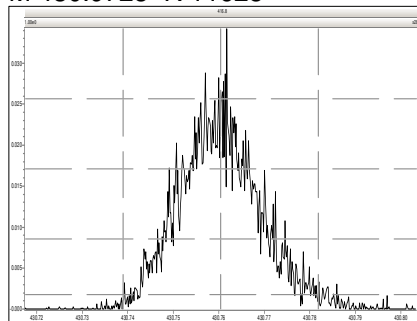
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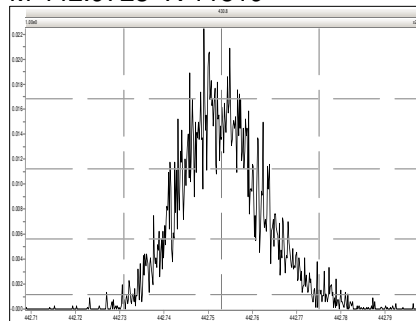
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M 430.9728 R 11628



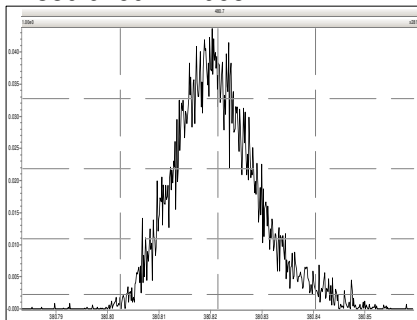
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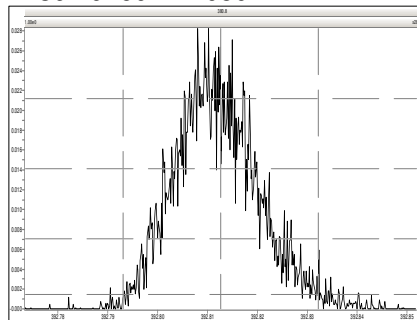
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 6 @ 200 (ppm)

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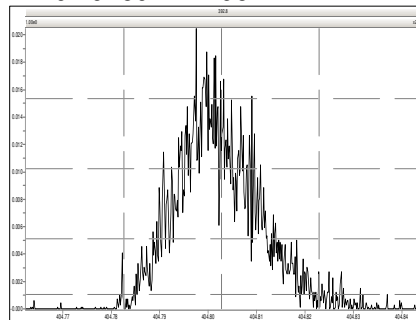
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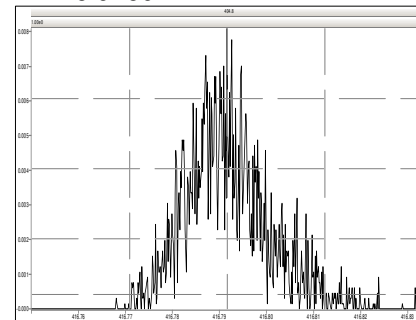
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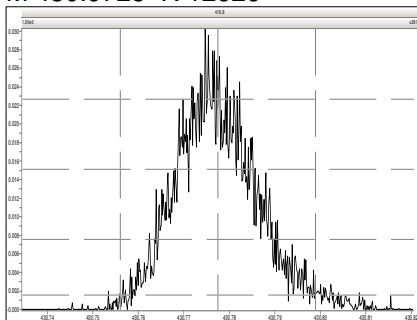
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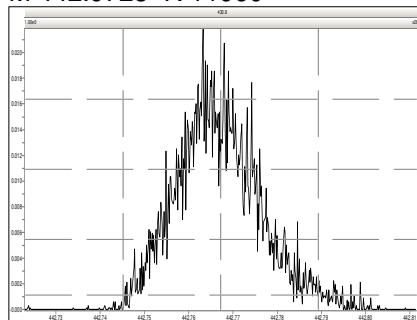
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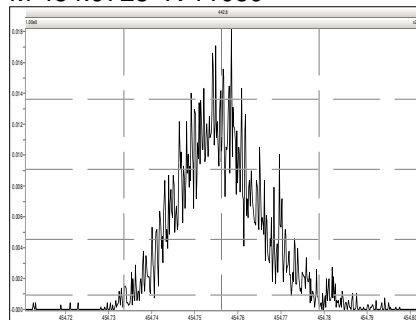
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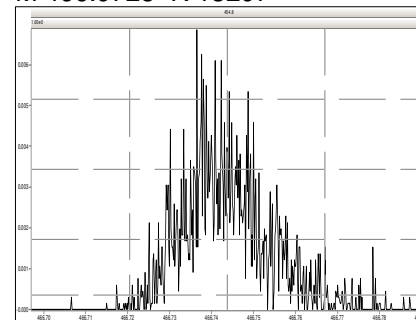
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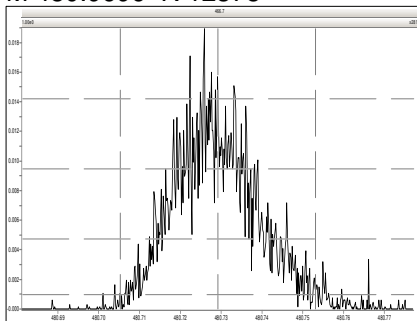
M 454.9728 R 11059



M 466.9728 R 13297



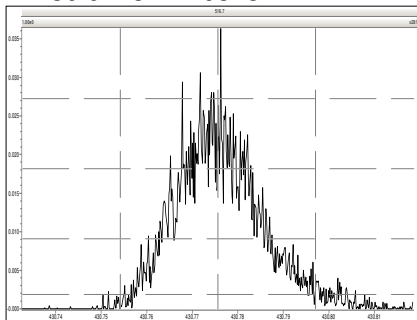
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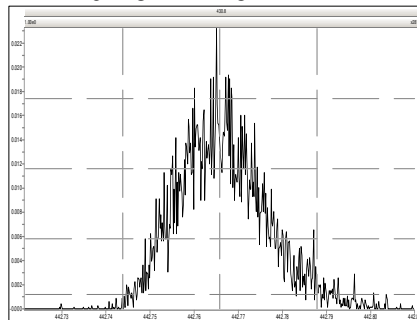
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Printed: Friday, May 03, 2024 07:34:20 Pacific Daylight Time

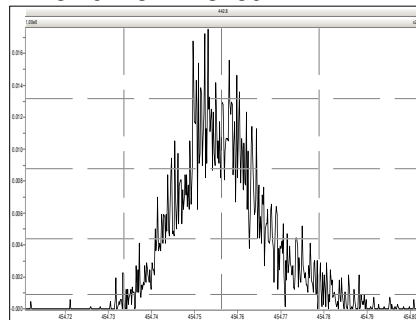
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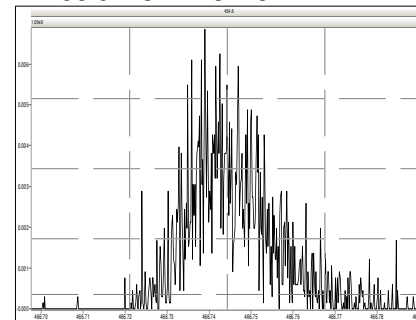
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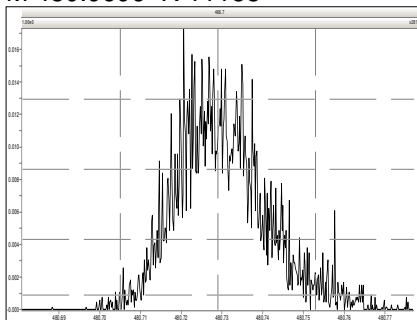
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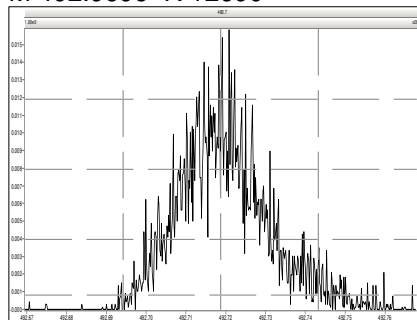
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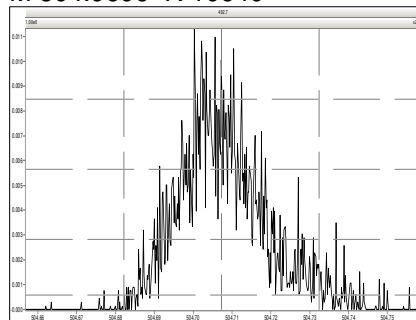
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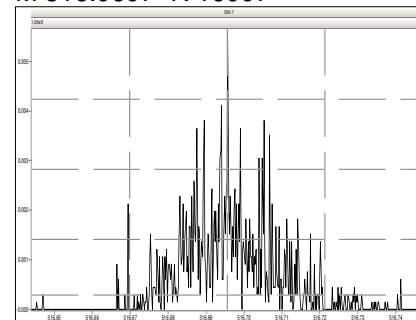
M 492.9696 R 12690



M 504.9696 R 10640



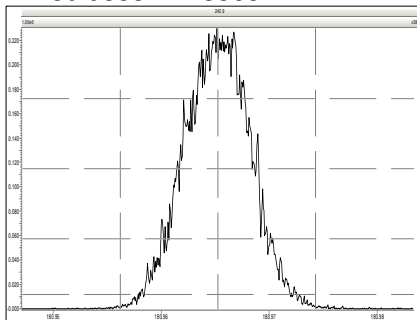
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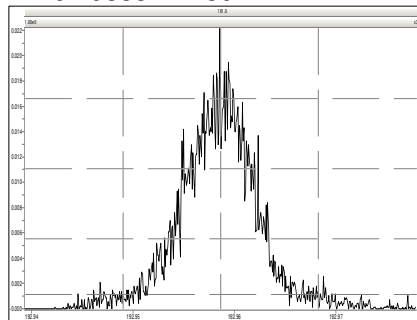
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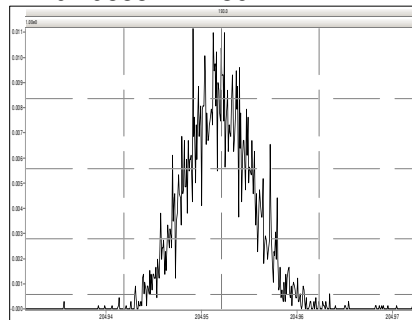
M 180.9888 R 13368



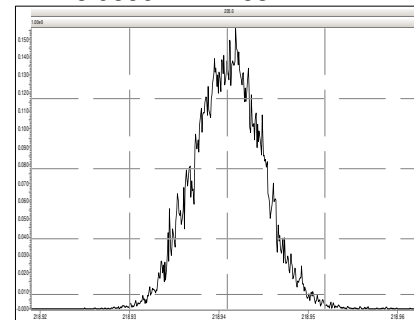
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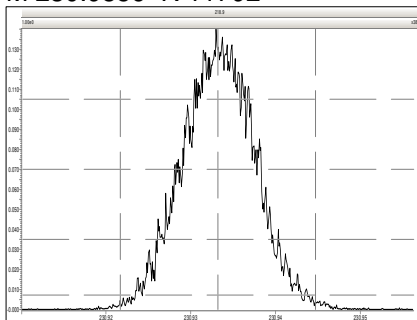
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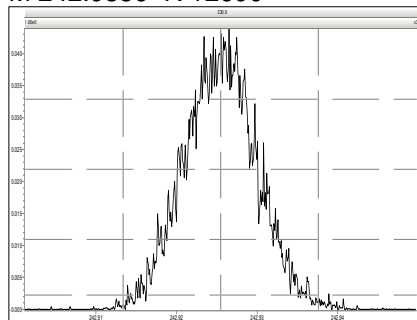
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M 230.9856 R 11792



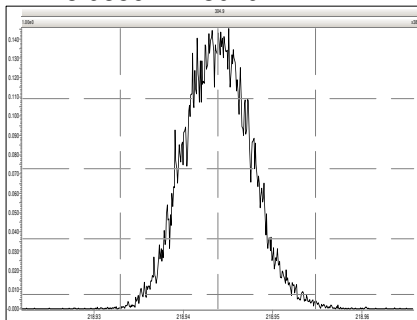
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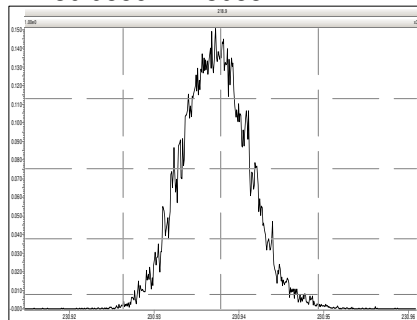
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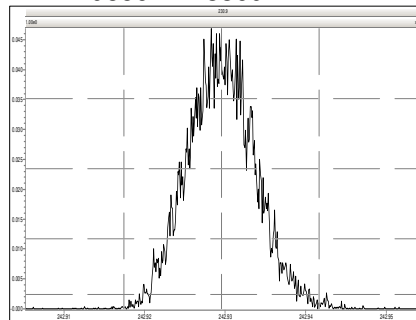
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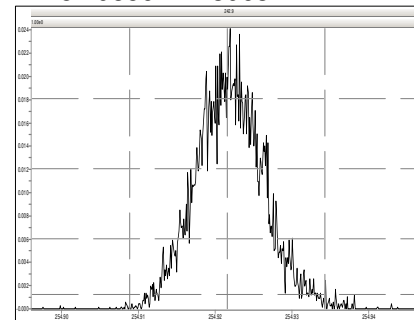
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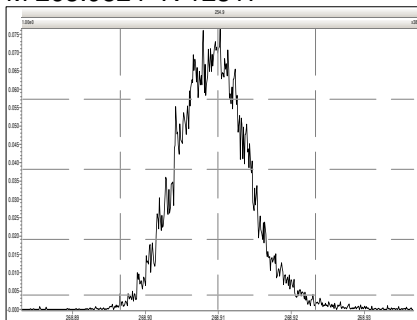
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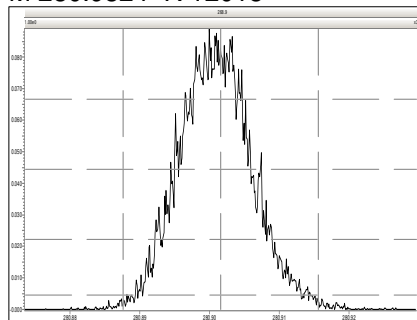
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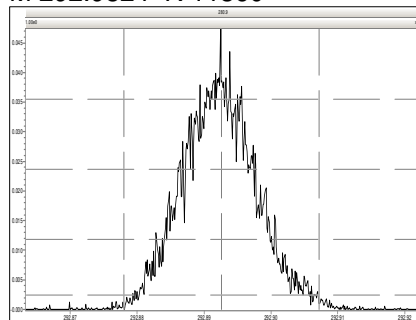
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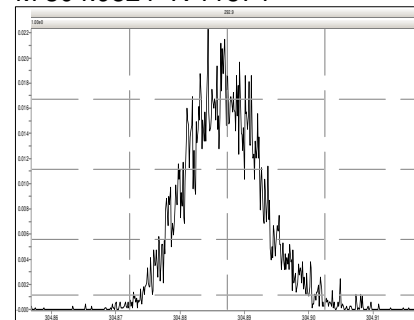
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M 292.9824 R 11360



M 304.9824 R 11574



Experiment Calibration Report

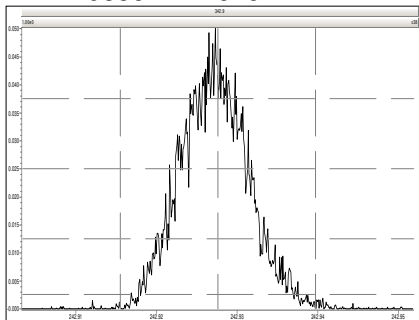
MassLynx 4.1 SCN815

Page 1 of 1

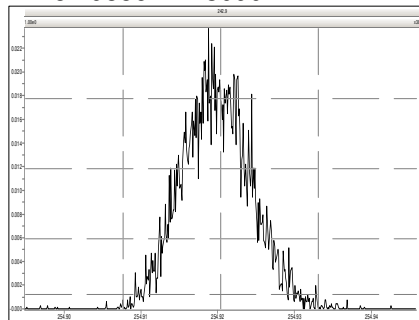
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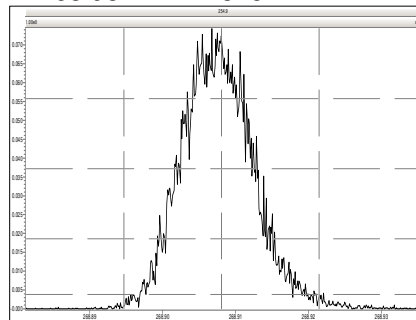
M 242.9856 R 12626



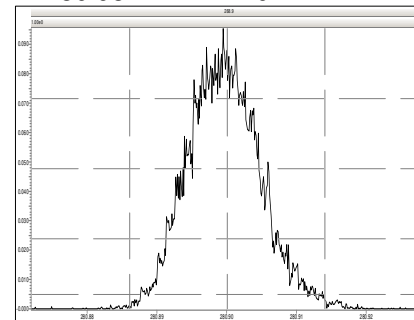
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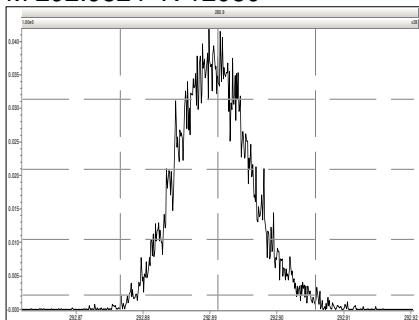
M 268.9824 R 12815



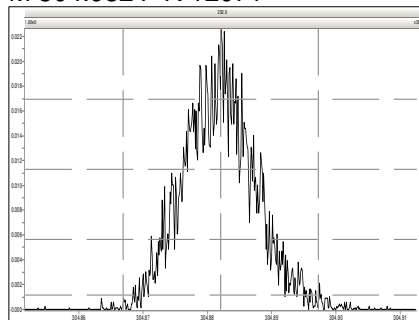
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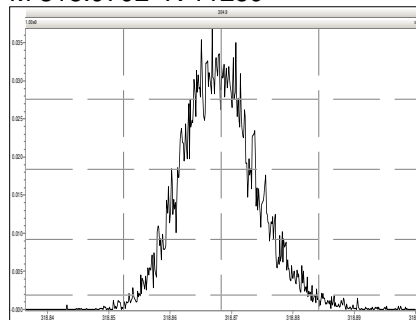
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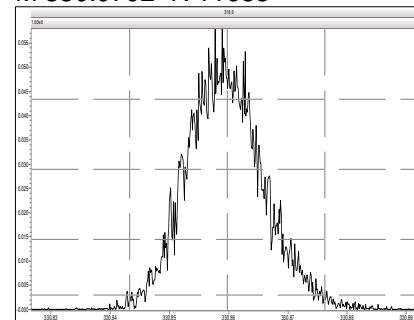
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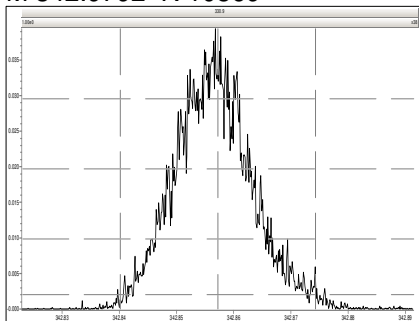
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M 330.9792 R 11683



M 342.9792 R 10869



Experiment Calibration Report

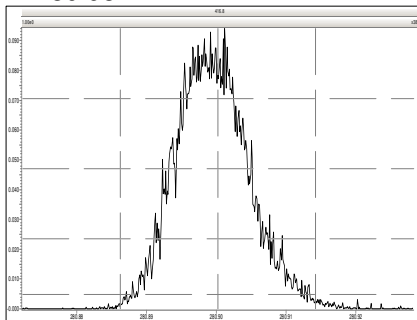
MassLynx 4.1 SCN815

Page 1 of 1

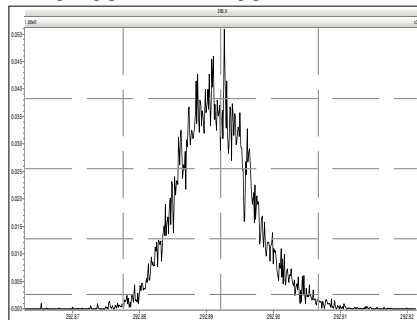
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 03, 2024 15:21:28 Pacific Daylight Time

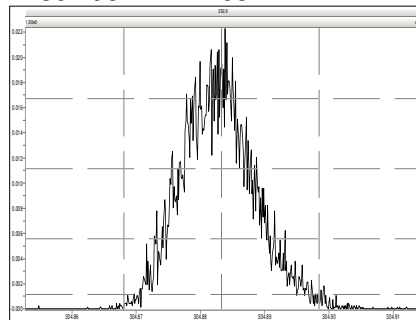
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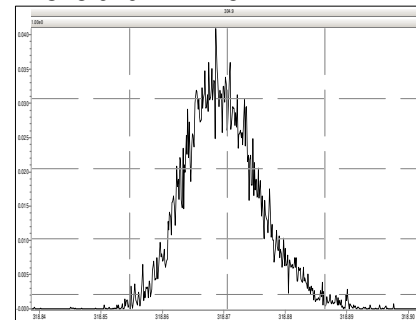
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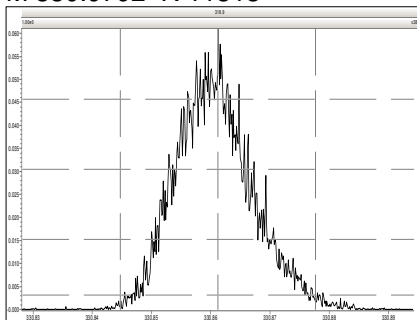
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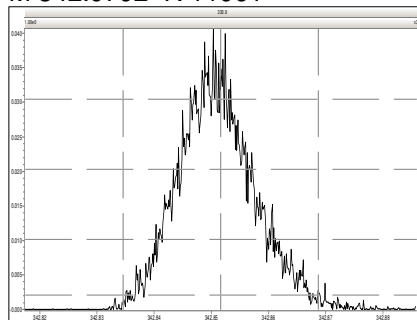
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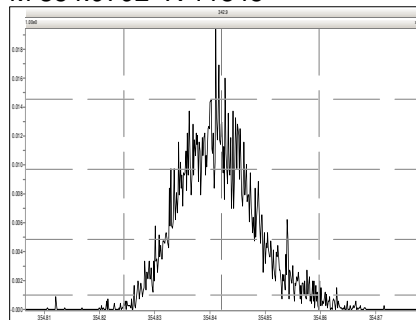
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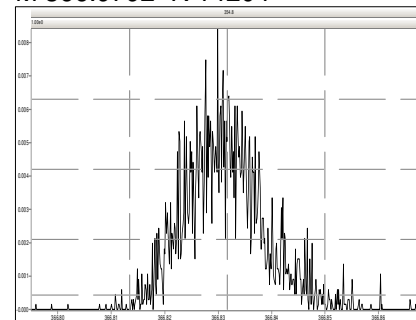
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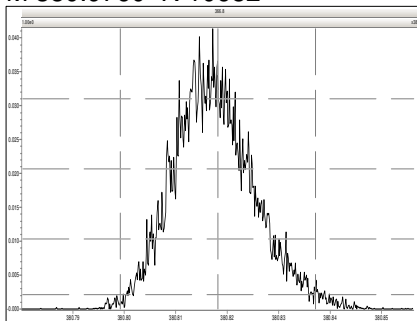
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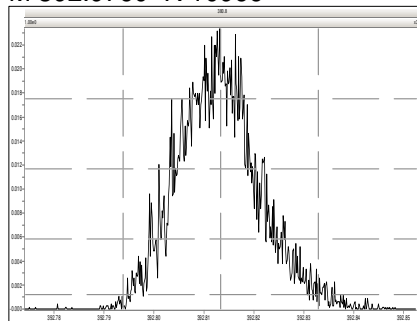
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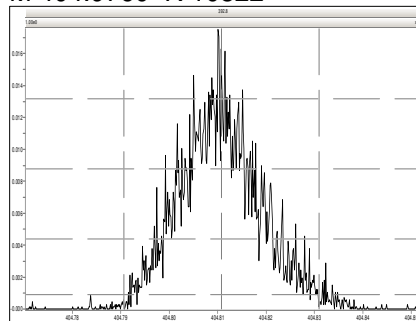
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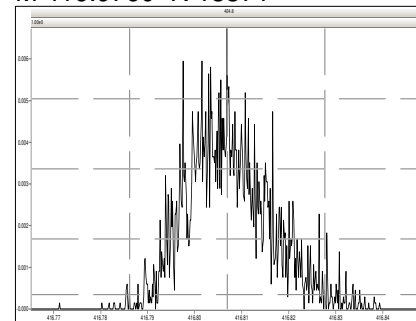
M 392.9760 R 10966



M 404.9760 R 10822



M 416.9760 R 13371



Experiment Calibration Report

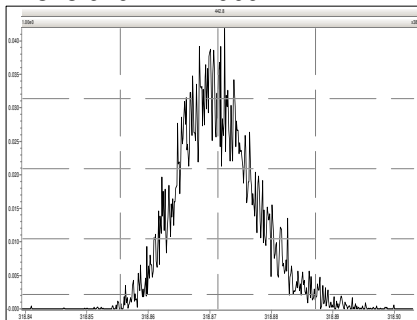
MassLynx 4.1 SCN815

Page 1 of 1

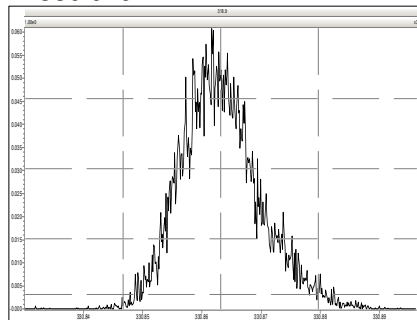
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Printed: Friday, May 03, 2024 15:21:53 Pacific Daylight Time

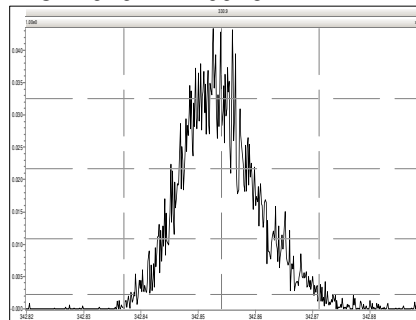
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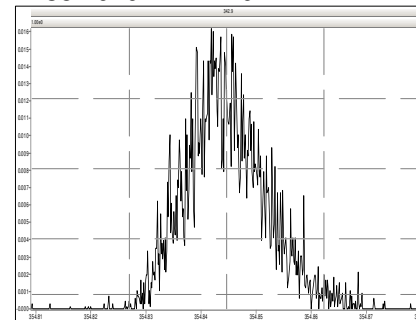
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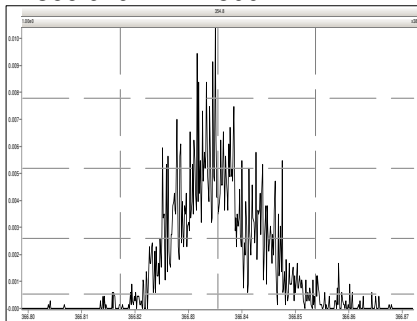
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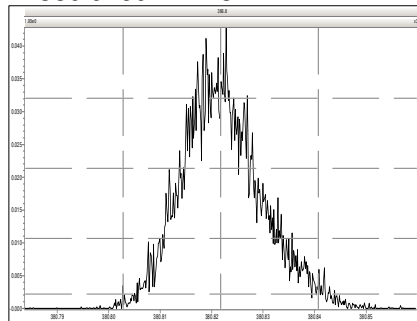
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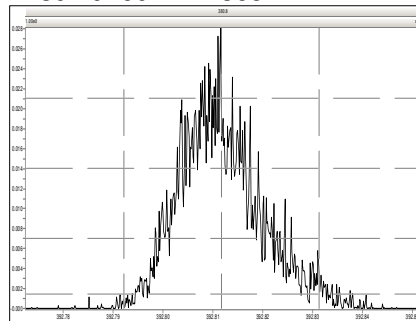
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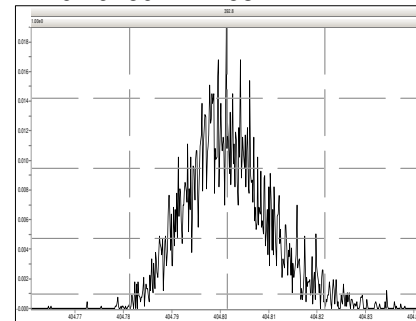
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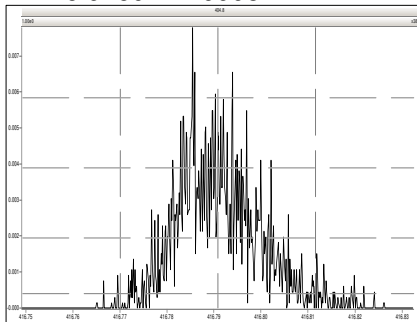
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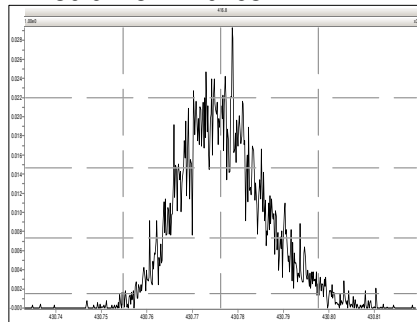
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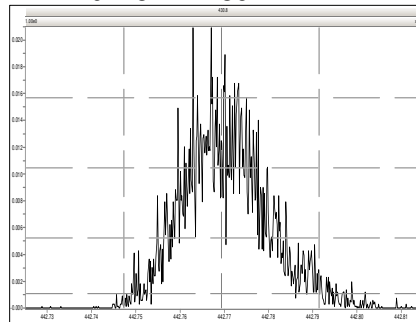
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M 430.9728 R 10163



M 442.9728 R 11362



Experiment Calibration Report

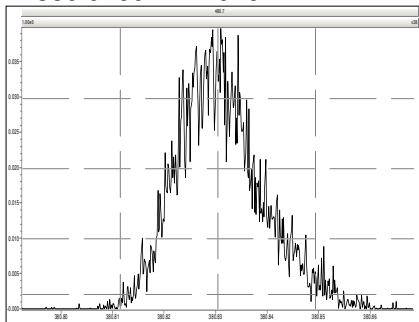
MassLynx 4.1 SCN815

Page 1 of 1

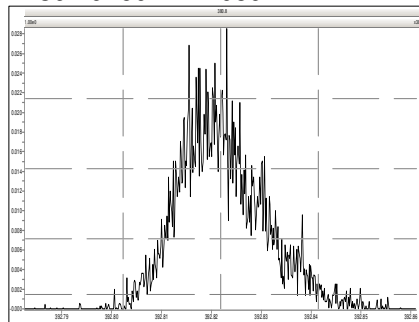
File: Experiment: pcb-2016.exp Reference: Pfk.ref Function: 6 @ 200 (ppm)

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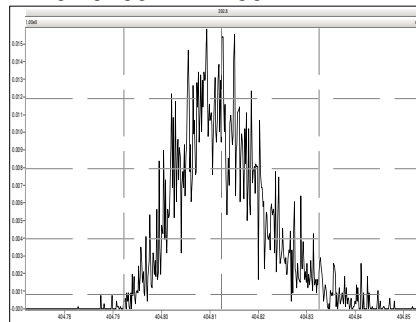
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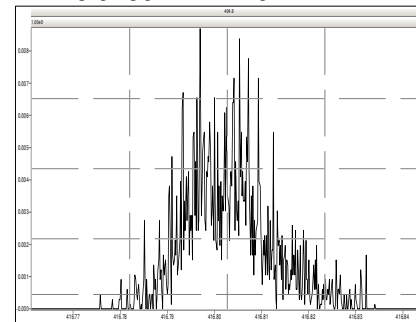
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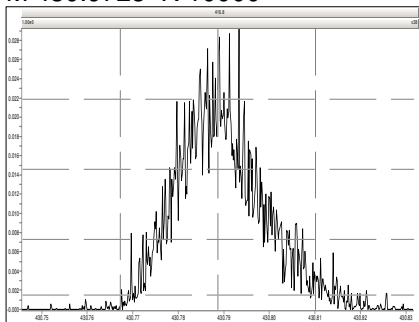
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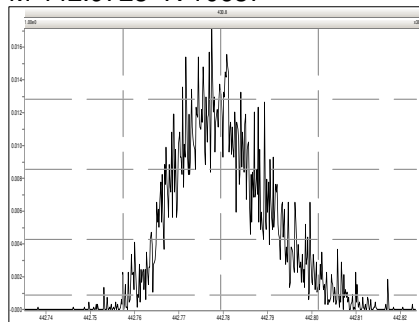
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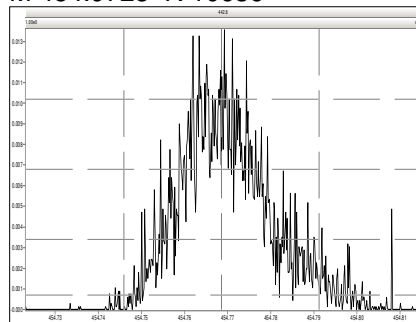
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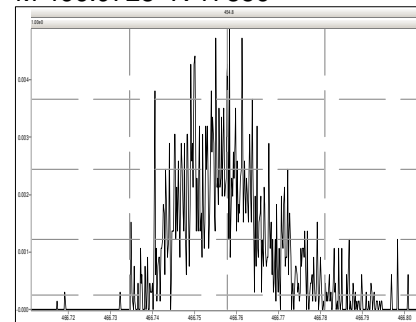
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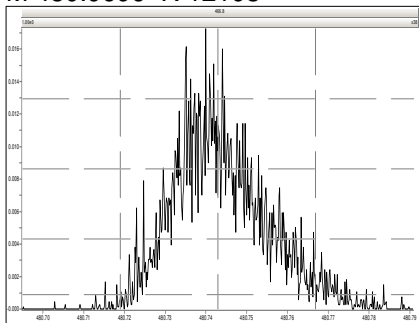
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M 466.9728 R 17856



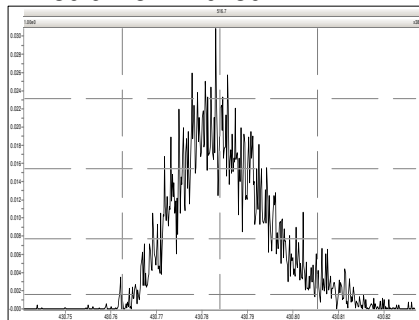
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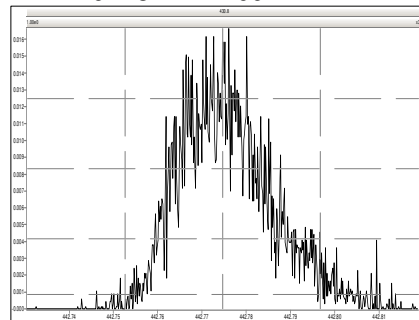
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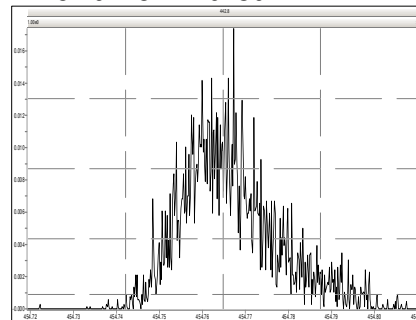
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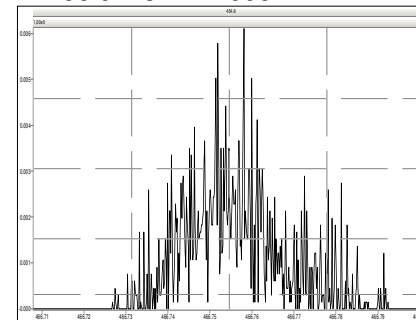
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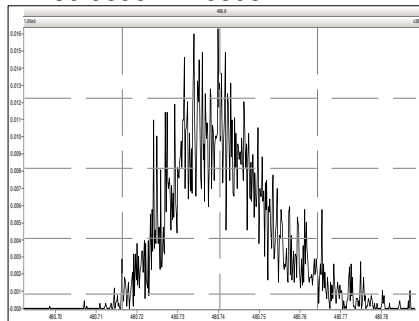
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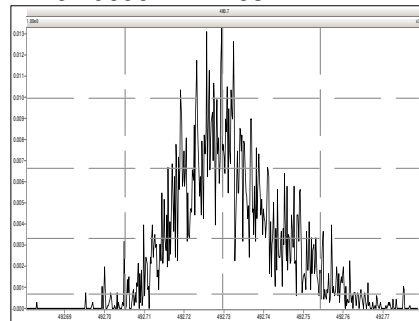
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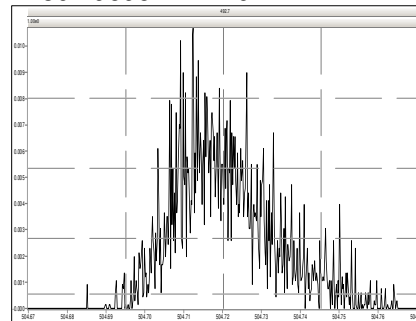
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M 492.9696 R 11468



M 504.9696 R 11791



M 516.9697 R 22323

