

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA¹
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Karen Marie Trujillo
 Concurrence²: Nicole Lancaster / Martha Meyers-Lee

Project No: 15268508.20000
 Job ID.: 680-89038-2
 Associated Samples: Refer to **Attachment A** (Sample Summary)
 Samples Collected: 04/03/2013
 Date: 04/25/2013
 Date: 05/02/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.	✓				
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAHs were not detected during the analysis of rinsate blank 040213-RB-sieve (680-88913-17).	

¹ All analytical work subcontracted to TestAmerica of Tampa, FL

² Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. Are equipment/rinsate blanks associated with every sample? If no, note in DV report.	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank, 040213-RB-sieve (680-88913-17) was collected during the week of 4/01/13. The rinsate blank was analyzed for PAHs under Test America Job ID 680-88913-1.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?	✓			CV1193B-CSD (680-89038-28) is a field duplicate of CV1193B-CS (680-89038-27).	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to Attachment B (Field Duplicate Evaluation)	J
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? <ul style="list-style-type: none"> Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. An initial calibration is to be associated with each sample analysis. A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument. 	✓			<ul style="list-style-type: none"> Instrument ID: BSMC5973 Initial Calibration: 04/11/2013 ICV: 04/11/13 @ 14:25 CCV: 04/12/13 @ 11:42 Instrument ID: BSMD5973 Initial Calibration: 04/04/2013 ICV: 04/04/13 @ 16:27 CCV: 04/11/13 @ 11:20 	
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> ICAL (Criteria: ≤15 mean %RSD with individual CCC 		✓		ICV of 04/04/13 @ 16:27, instrument BSMD5973: Benzo[a]pyrene @-23.7 %D (Lab: ≤35, Project: ≤20), 76.5%R. A negative bias is indicated by the ICV	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>$\%RSD \leq 30$ ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and $RRF \geq 0.050$ (≥ 0.010 for poor performers):</p> <ul style="list-style-type: none"> ○ If $\%RSD > 15$ ($> 50\%$ for poor performers), or $r < 0.995$, or $r^2 < 0.995$, then J-flag positive results and UJ-flag non-detects ○ If mean $RRF < 0.050$ (< 0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: $\leq 20\%D$ ($\leq 50\%$ for poor performers) and $RF \geq 0.050$ (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> ○ If $\%D > 20$ ($> 50\%$ for poor performers), then J-flag positive results and UJ-flag non-detects ○ If $RF < 0.050$ (< 0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds 				percent difference and benzo[a]pyrene was detected in the associated sample ³ ; therefore, J-flag the detected benzo[a]pyrene result.	
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when $\%R > \text{Upper Control Limit (UCL)}$ and J/R-flag results when $\%R < \text{Lower Control Limit (LCL)}$.	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects			✓	LCS Only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			<ul style="list-style-type: none"> • Prep Batch 136324: 680-89038-21 (CV1254A-CS-SP), MS/MSD • Prep Batch 136277: 680-89038-6 (CV1311B-CS-SP), MS/MSD. Lab sample 680-89038-6 is a project-specific sample (CV1311B-CS-SP) that was selected by TestAmerica for the PAH MS and MSD analyses, and the results were reported under Job ID 680-89038-1. 	
25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> • If the native sample concentration $> 4x$ spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. 	✓				

³ Associated sample: 680-89038-21.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results • MS and MSD R% >UCL (or 140): J-Flag positive results 					
<p>26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J-flag positive result and UJ-flag non-detect result 	✓				
<p>27. Were surrogate recoveries within lab/project specifications?</p> <ul style="list-style-type: none"> • If %R for 1 Acid or BN surrogates <10, then J-flag positive and R-flag non-detect associated sample results • If 2 or more Acid or BN %R >UCL, then J-flag positive results • If 2 or more Acid or BN %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results • If 2 or more Acid or BN , with 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results 	✓				
<p>28. Were internal standard (IS) results within lab/project specifications?</p> <ul style="list-style-type: none"> • If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be 	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.					
29. Were lab comments included in report?	✓			Refer to Attachment C (Case Narrative)	
<p>Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review</i> (EPA, October 1999) and <i>USEPA CLP NFG for Low Concentration Organic Methods Data Review</i> (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment D). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.</p>					

DV Flag Definitions:

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- R The sample results are unusable. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89038-21	CV1254A-CS-SP	Solid	04/03/13 12:45	04/05/13 11:23
680-89038-22	CV1254B-CS-SP	Solid	04/03/13 12:55	04/05/13 11:23
680-89038-23	CV Ditch-Grab	Solid	04/03/13 13:05	04/05/13 11:23
680-89038-24	CV0332A-CS	Solid	04/03/13 14:20	04/05/13 11:23
680-89038-25	CV0332B-CS	Solid	04/03/13 14:25	04/05/13 11:23
680-89038-26	CV1193A-CS	Solid	04/03/13 15:22	04/05/13 11:23
680-89038-27	CV1193B-CS	Solid	04/03/13 15:30	04/05/13 11:23
680-89038-28	CV1193B-CSD	Solid	04/03/13 15:34	04/05/13 11:23
680-89038-29	CV1251A-CS	Solid	04/03/13 13:42	04/05/13 11:23
680-89038-30	CV1251B-CS	Solid	04/03/13 13:50	04/05/13 11:23
680-89038-31	CV1262A-CS	Solid	04/03/13 13:15	04/05/13 11:23
680-89038-32	CV1262B-CS	Solid	04/03/13 13:20	04/05/13 11:23

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Analyte	CV1193B-CS 680-89038-27	RL	CV1193B-CSD 680-89038-28	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthylene		64	14	J 70	µg/kg	335	NA	14	134	None, absolute difference ≤ 2x Avg RL
Anthracene	15	13	12	J 15	µg/kg	70	NA	3	28	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	53	13	82	14	µg/kg	67.5	NA	29	27	J/UJ-flag, absolute difference > 2x Avg RL
Benzo(a)pyrene	35	17	52	18	µg/kg	87.5	NA	17	35	None, absolute difference ≤ 2x Avg RL
Benzo(b)fluoranthene	82	19	100	21	µg/kg	100	NA	18	40	None, absolute difference ≤ 2x Avg RL
Benzo(g,h,i)perylene	38	32	56	35	µg/kg	167.5	NA	18	67	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	28	13	36	14	µg/kg	67.5	NA	8	27	None, absolute difference ≤ 2x Avg RL
Chrysene	61	14	61	16	µg/kg	75	NA	0	30	None, absolute difference ≤ 2x Avg RL
Fluoranthene	53	32	72	35	µg/kg	167.5	NA	19	67	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	110	32	130	35	µg/kg	167.5	NA	20	67	None, absolute difference ≤ 2x Avg RL
1-Methylnaphthalene	42	J 64	100	70	µg/kg	335	NA	58	134	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	70	64	110	70	µg/kg	335	NA	40	134	None, absolute difference ≤ 2x Avg RL
Naphthalene	51	J 64	85	70	µg/kg	335	NA	34	134	None, absolute difference ≤ 2x Avg RL
Phenanthrene	47	13	78	14	µg/kg	67.5	NA	31	27	J/UJ-flag, absolute difference > 2x Avg RL
Pyrene	38	32	70	35	µg/kg	167.5	NA	32	67	None, absolute difference ≤ 2x Avg RL

Note: If the analyte was not detected, then the cell was left blank.

- µg/kg - micrograms per kilogram
- NA - Not applicable
- RL - Reporting limit
- RPD - Relative percent difference

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C
CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Job ID: 680-89038-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89038-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1254A-CS-SP (680-89038-21), CV1254B-CS-SP (680-89038-22), CV Ditch-Grab (680-89038-23), CV0332A-CS (680-89038-24), CV0332B-CS (680-89038-25), CV1193A-CS (680-89038-26), CV1193B-CS (680-89038-27), CV1193B-CSD (680-89038-28), CV1251A-CS (680-89038-29), CV1251B-CS (680-89038-30), CV1262A-CS (680-89038-31) and CV1262B-CS (680-89038-32) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/09/2013 and 04/11/2013 and analyzed on 04/11/2013 and 04/12/2013.

Samples CV Ditch-Grab (680-89038-23)[4X] and CV1251B-CS (680-89038-30)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All quality control parameters were within the acceptance limits.

ATTACHMENT D
QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1254A-CS-SP

Lab Sample ID: 680-89038-21

Date Collected: 04/03/13 12:45

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 57.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	35	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Acenaphthylene	69	U	69	8.7	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Anthracene	15	U	15	7.3	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[a]anthracene	33		14	6.8	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[a]pyrene	31	J	18	9.0	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[b]fluoranthene	80		21	11	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[g,h,i]perylene	39		35	7.6	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[k]fluoranthene	20		14	6.3	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Chrysene	54		16	7.8	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Dibenz(a,h)anthracene	13	J	35	7.1	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Fluoranthene	33	J	35	6.9	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Fluorene	35	U	35	7.1	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Indeno[1,2,3-cd]pyrene	33	J	35	12	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
1-Methylnaphthalene	12	J	69	7.6	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
2-Methylnaphthalene	17	J	69	12	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Naphthalene	16	J	69	7.6	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Phenanthrene	22		14	6.8	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Pyrene	24	J	35	6.4	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	45		30 - 130	04/11/13 06:37	04/11/13 16:45	1

Client Sample ID: CV1254B-CS-SP

Lab Sample ID: 680-89038-22

Date Collected: 04/03/13 12:55

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	32	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Acenaphthylene	8.8	J	64	8.0	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Anthracene	14	U	14	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[a]anthracene	38		13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[a]pyrene	30		17	8.4	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[b]fluoranthene	43		20	9.8	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[g,h,i]perylene	19	J	32	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[k]fluoranthene	18		13	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Chrysene	16		14	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Dibenz(a,h)anthracene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Fluoranthene	41		32	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Fluorene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Indeno[1,2,3-cd]pyrene	32	U	32	11	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
1-Methylnaphthalene	64	U	64	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
2-Methylnaphthalene	64	U	64	11	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Naphthalene	14	J	64	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Phenanthrene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Pyrene	35		32	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	64		30 - 130	04/09/13 16:11	04/12/13 14:29	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV Ditch-Grab

Lab Sample ID: 680-89038-23

Date Collected: 04/03/13 13:05

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 63.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	620	U	620	120	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Acenaphthylene	250	U	250	31	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Anthracene	52	U	52	26	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[a]anthracene	49	U	49	24	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[a]pyrene	180		64	32	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[b]fluoranthene	160		75	38	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[g,h,i]perylene	250		120	27	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[k]fluoranthene	36 J		49	22	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Chrysene	79		55	28	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Dibenz(a,h)anthracene	300		120	25	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Fluoranthene	130		120	25	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Fluorene	120	U	120	25	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Indeno[1,2,3-cd]pyrene	120	U	120	44	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
1-Methylnaphthalene	250	U	250	27	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
2-Methylnaphthalene	250	U	250	44	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Naphthalene	250	U	250	27	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Phenanthrene	49	U	49	24	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Pyrene	52 J		120	23	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	80		30 - 130				04/09/13 16:11	04/12/13 14:47	4

Client Sample ID: CV0332A-CS

Lab Sample ID: 680-89038-24

Date Collected: 04/03/13 14:20

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 60.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	33	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Acenaphthylene	10 J		66	8.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Anthracene	14	U	14	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[a]anthracene	47		13	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[a]pyrene	17		17	8.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[b]fluoranthene	26		20	10	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[g,h,i]perylene	28 J		33	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[k]fluoranthene	17		13	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Chrysene	35		15	7.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Dibenz(a,h)anthracene	33	U	33	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Fluoranthene	39		33	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Fluorene	33	U	33	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Indeno[1,2,3-cd]pyrene	33	U	33	12	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
1-Methylnaphthalene	66	U	66	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
2-Methylnaphthalene	66	U	66	12	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Naphthalene	16 J		66	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Phenanthrene	13	U	13	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Pyrene	31 J		33	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	56		30 - 130				04/09/13 16:11	04/12/13 15:06	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV0332B-CS

Lab Sample ID: 680-89038-25

Date Collected: 04/03/13 14:25

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 73.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Acenaphthylene	22	J	54	6.7	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Anthracene	15		11	5.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[a]anthracene	120		11	5.2	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[a]pyrene	100		14	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[b]fluoranthene	180		16	8.2	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[g,h,i]perylene	56		27	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[k]fluoranthene	94		11	4.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Chrysene	110		12	6.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Dibenz(a,h)anthracene	76		27	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Fluoranthene	140		27	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Fluorene	7.7	J	27	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Indeno[1,2,3-cd]pyrene	110		27	9.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
1-Methylnaphthalene	29	J	54	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
2-Methylnaphthalene	58		54	9.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Naphthalene	83		54	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Phenanthrene	58		11	5.2	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Pyrene	79		27	5.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	59		30 - 130				04/09/13 16:11	04/12/13 15:24	1

Client Sample ID: CV1193A-CS

Lab Sample ID: 680-89038-26

Date Collected: 04/03/13 15:22

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	32	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Acenaphthylene	65	U	65	8.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Anthracene	14	U	14	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[a]anthracene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[a]pyrene	45		17	8.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[b]fluoranthene	66		20	9.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[g,h,i]perylene	26	J	32	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[k]fluoranthene	11	J	13	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Chrysene	24		15	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Dibenz(a,h)anthracene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Fluoranthene	34		32	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Fluorene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Indeno[1,2,3-cd]pyrene	32	U	32	11	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
1-Methylnaphthalene	20	J	65	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
2-Methylnaphthalene	58	J	65	11	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Naphthalene	22	J	65	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Phenanthrene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Pyrene	37		32	6.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	58		30 - 130				04/09/13 16:11	04/12/13 15:42	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1193B-CS

Lab Sample ID: 680-89038-27

Date Collected: 04/03/13 15:30

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	32	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Acenaphthylene	64	U	64	8.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Anthracene	15		13	6.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[a]anthracene	53	J	13	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[a]pyrene	35		17	8.3	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[b]fluoranthene	82		19	9.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[g,h,i]perylene	38		32	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[k]fluoranthene	28		13	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Chrysene	61		14	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Dibenz(a,h)anthracene	32	U	32	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Fluoranthene	53		32	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Fluorene	32	U	32	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Indeno[1,2,3-cd]pyrene	110		32	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
1-Methylnaphthalene	42	J	64	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
2-Methylnaphthalene	70		64	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Naphthalene	51	J	64	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Phenanthrene	47	J	13	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Pyrene	38		32	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	49		30 - 130				04/09/13 16:11	04/12/13 16:01	1

Client Sample ID: CV1193B-CSD

Lab Sample ID: 680-89038-28

Date Collected: 04/03/13 15:34

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 56.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	180	U	180	35	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Acenaphthylene	14	J	70	8.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Anthracene	12	J	15	7.4	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[a]anthracene	82	J	14	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[a]pyrene	52		18	9.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[b]fluoranthene	100		21	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[g,h,i]perylene	56		35	7.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[k]fluoranthene	36		14	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Chrysene	61		16	7.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Dibenz(a,h)anthracene	35	U	35	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Fluoranthene	72		35	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Fluorene	35	U	35	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Indeno[1,2,3-cd]pyrene	130		35	12	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
1-Methylnaphthalene	100		70	7.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
2-Methylnaphthalene	110		70	12	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Naphthalene	85		70	7.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Phenanthrene	78	J	14	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Pyrene	70		35	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	65		30 - 130				04/09/13 16:11	04/12/13 16:19	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1251A-CS

Lab Sample ID: 680-89038-29

Date Collected: 04/03/13 13:42

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 65.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	30	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Acenaphthylene	60	U	60	7.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Anthracene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[a]anthracene	12	U	12	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[a]pyrene	18		16	7.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[b]fluoranthene	33		18	9.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[g,h,i]perylene	14 J		30	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[k]fluoranthene	21		12	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Chrysene	22		13	6.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Dibenz(a,h)anthracene	30	U	30	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Fluoranthene	30		30	6.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Fluorene	30	U	30	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Indeno[1,2,3-cd]pyrene	30	U	30	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
1-Methylnaphthalene	20 J		60	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
2-Methylnaphthalene	45 J		60	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Naphthalene	22 J		60	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Phenanthrene	12	U	12	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Pyrene	16 J		30	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	67		30 - 130				04/09/13 16:11	04/12/13 16:38	1

Client Sample ID: CV1251B-CS

Lab Sample ID: 680-89038-30

Date Collected: 04/03/13 13:50

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 59.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	650	U	650	130	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Acenaphthylene	260	U	260	33	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Anthracene	55	U	55	27	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[a]anthracene	170		52	25	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[a]pyrene	84		68	34	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[b]fluoranthene	97		80	40	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[g,h,i]perylene	48 J		130	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[k]fluoranthene	46 J		52	23	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Chrysene	76		59	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Dibenz(a,h)anthracene	130	U	130	27	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Fluoranthene	150		130	26	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Fluorene	130	U	130	27	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Indeno[1,2,3-cd]pyrene	130	U	130	46	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
1-Methylnaphthalene	220 J		260	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
2-Methylnaphthalene	330		260	46	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Naphthalene	200 J		260	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Phenanthrene	52	U	52	25	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Pyrene	130		130	24	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	91		30 - 130				04/09/13 16:11	04/12/13 16:56	4

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1262A-CS

Lab Sample ID: 680-89038-31

Date Collected: 04/03/13 13:15

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 71.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Acenaphthylene	7.5	J	56	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Anthracene	7.8	J	12	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[a]anthracene	32		11	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[a]pyrene	21		14	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[b]fluoranthene	26		17	8.5	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[g,h,i]perylene	19	J	28	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[k]fluoranthene	21		11	5.0	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Chrysene	26		12	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Dibenz(a,h)anthracene	28	U	28	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Fluoranthene	39		28	5.6	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Fluorene	28	U	28	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Indeno[1,2,3-cd]pyrene	28	U	28	9.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
1-Methylnaphthalene	24	J	56	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
2-Methylnaphthalene	66		56	9.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Naphthalene	49	J	56	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Phenanthrene	41		11	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Pyrene	40		28	5.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	63		30 - 130				04/09/13 16:11	04/12/13 17:14	1

Client Sample ID: CV1262B-CS

Lab Sample ID: 680-89038-32

Date Collected: 04/03/13 13:20

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 69.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Acenaphthylene	19	J	57	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Anthracene	20		12	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[a]anthracene	220		11	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[a]pyrene	250		15	7.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[b]fluoranthene	350		17	8.6	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[g,h,i]perylene	170		28	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[k]fluoranthene	120		11	5.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Chrysene	210		13	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Dibenz(a,h)anthracene	88		28	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Fluoranthene	200		28	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Fluorene	28	U	28	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Indeno[1,2,3-cd]pyrene	190		28	10	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
1-Methylnaphthalene	33	J	57	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
2-Methylnaphthalene	56	J	57	10	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Naphthalene	28	J	57	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Phenanthrene	47		11	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Pyrene	230		28	5.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	70		30 - 130				04/09/13 16:11	04/12/13 17:32	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

ANALYTICAL REPORT

Job Number: 680-89038-2

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
4/17/2013 12:48 PM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
04/17/2013

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89038-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1254A-CS-SP (680-89038-21), CV1254B-CS-SP (680-89038-22), CV Ditch-Grab (680-89038-23), CV0332A-CS (680-89038-24), CV0332B-CS (680-89038-25), CV1193A-CS (680-89038-26), CV1193B-CS (680-89038-27), CV1193B-CSD (680-89038-28), CV1251A-CS (680-89038-29), CV1251B-CS (680-89038-30), CV1262A-CS (680-89038-31) and CV1262B-CS (680-89038-32) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/09/2013 and 04/11/2013 and analyzed on 04/11/2013 and 04/12/2013.

Samples CV Ditch-Grab (680-89038-23)[4X] and CV1251B-CS (680-89038-30)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-89038-21	CV1254A-CS-SP	Solid	04/03/2013 1245	04/05/2013 1123
680-89038-21MS	CV1254A-CS-SP	Solid	04/03/2013 1245	04/05/2013 1123
680-89038-21MSD	CV1254A-CS-SP	Solid	04/03/2013 1245	04/05/2013 1123
680-89038-22	CV1254B-CS-SP	Solid	04/03/2013 1255	04/05/2013 1123
680-89038-23	CV Ditch-Grab	Solid	04/03/2013 1305	04/05/2013 1123
680-89038-24	CV0332A-CS	Solid	04/03/2013 1420	04/05/2013 1123
680-89038-25	CV0332B-CS	Solid	04/03/2013 1425	04/05/2013 1123
680-89038-26	CV1193A-CS	Solid	04/03/2013 1522	04/05/2013 1123
680-89038-27	CV1193B-CS	Solid	04/03/2013 1530	04/05/2013 1123
680-89038-28	CV1193B-CSD	Solid	04/03/2013 1534	04/05/2013 1123
680-89038-29	CV1251A-CS	Solid	04/03/2013 1342	04/05/2013 1123
680-89038-30	CV1251B-CS	Solid	04/03/2013 1350	04/05/2013 1123
680-89038-31	CV1262A-CS	Solid	04/03/2013 1315	04/05/2013 1123
680-89038-32	CV1262B-CS	Solid	04/03/2013 1320	04/05/2013 1123

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds by GCMS - Low Levels	TAL TAM	SW846 8270C LL	
Microwave Extraction	TAL TAM		SW846 3546
Percent Moisture	TAL TAM	EPA Moisture	

Lab References:

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Method	Analyst	Analyst ID
SW846 8270C LL	Cantin, Stephen C	SCC
EPA Moisture	Galio, Andrew	AG

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Lab Section	Qualifier	Description
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 660-136277					
LCS 660-136277/2-A	Lab Control Sample	T	Solid	3546	
MB 660-136277/1-A	Method Blank	T	Solid	3546	
680-89038-A-6-B MS	Matrix Spike	T	Solid	3546	
680-89038-A-6-C MSD	Matrix Spike Duplicate	T	Solid	3546	
680-89038-22	CV1254B-CS-SP	T	Solid	3546	
680-89038-23	CV Ditch-Grab	T	Solid	3546	
680-89038-24	CV0332A-CS	T	Solid	3546	
680-89038-25	CV0332B-CS	T	Solid	3546	
680-89038-26	CV1193A-CS	T	Solid	3546	
680-89038-27	CV1193B-CS	T	Solid	3546	
680-89038-28	CV1193B-CSD	T	Solid	3546	
680-89038-29	CV1251A-CS	T	Solid	3546	
680-89038-30	CV1251B-CS	T	Solid	3546	
680-89038-31	CV1262A-CS	T	Solid	3546	
680-89038-32	CV1262B-CS	T	Solid	3546	
Prep Batch: 660-136324					
LCS 660-136324/2-A	Lab Control Sample	T	Solid	3546	
MB 660-136324/1-A	Method Blank	T	Solid	3546	
680-89038-21	CV1254A-CS-SP	T	Solid	3546	
680-89038-21MS	Matrix Spike	T	Solid	3546	
680-89038-21MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:660-136371					
LCS 660-136277/2-A	Lab Control Sample	T	Solid	8270C LL	660-136277
MB 660-136277/1-A	Method Blank	T	Solid	8270C LL	660-136277
LCS 660-136324/2-A	Lab Control Sample	T	Solid	8270C LL	660-136324
MB 660-136324/1-A	Method Blank	T	Solid	8270C LL	660-136324
680-89038-21	CV1254A-CS-SP	T	Solid	8270C LL	660-136324
680-89038-21MS	Matrix Spike	T	Solid	8270C LL	660-136324
680-89038-21MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-136324

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:660-136414					
680-89038-A-6-B MS	Matrix Spike	T	Solid	8270C LL	660-136277
680-89038-A-6-C MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-136277
680-89038-22	CV1254B-CS-SP	T	Solid	8270C LL	660-136277
680-89038-23	CV Ditch-Grab	T	Solid	8270C LL	660-136277
680-89038-24	CV0332A-CS	T	Solid	8270C LL	660-136277
680-89038-25	CV0332B-CS	T	Solid	8270C LL	660-136277
680-89038-26	CV1193A-CS	T	Solid	8270C LL	660-136277
680-89038-27	CV1193B-CS	T	Solid	8270C LL	660-136277
680-89038-28	CV1193B-CSD	T	Solid	8270C LL	660-136277
680-89038-29	CV1251A-CS	T	Solid	8270C LL	660-136277
680-89038-30	CV1251B-CS	T	Solid	8270C LL	660-136277
680-89038-31	CV1262A-CS	T	Solid	8270C LL	660-136277
680-89038-32	CV1262B-CS	T	Solid	8270C LL	660-136277

Report Basis

T = Total

General Chemistry

Analysis Batch:660-136226					
680-89038-A-6 MS	Matrix Spike	T	Solid	Moisture	
680-89038-A-6 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89038-21	CV1254A-CS-SP	T	Solid	Moisture	
680-89038-21MS	Matrix Spike	T	Solid	Moisture	
680-89038-21MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89038-22	CV1254B-CS-SP	T	Solid	Moisture	
680-89038-23	CV Ditch-Grab	T	Solid	Moisture	
680-89038-24	CV0332A-CS	T	Solid	Moisture	
680-89038-25	CV0332B-CS	T	Solid	Moisture	
680-89038-26	CV1193A-CS	T	Solid	Moisture	
680-89038-27	CV1193B-CS	T	Solid	Moisture	
680-89038-28	CV1193B-CSD	T	Solid	Moisture	
680-89038-29	CV1251A-CS	T	Solid	Moisture	
680-89038-30	CV1251B-CS	T	Solid	Moisture	
680-89038-31	CV1262A-CS	T	Solid	Moisture	
680-89038-32	CV1262B-CS	T	Solid	Moisture	

Report Basis

T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973 Analysis Batch Number: 136370Lab Sample ID: ICIS 660-136370/3 Client Sample ID: _____Date Analyzed: 04/11/13 11:56 Lab File ID: 1CD11003.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.93	Split Peak	cantins	04/11/13 12:40

Lab Sample ID: IC 660-136370/4 Client Sample ID: _____Date Analyzed: 04/11/13 12:35 Lab File ID: 1CD11004.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	10.29	Baseline Event	cantins	04/11/13 14:33

Lab Sample ID: IC 660-136370/5 Client Sample ID: _____Date Analyzed: 04/11/13 12:53 Lab File ID: 1CD11005.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.92	Split Peak	cantins	04/11/13 14:34
Dibenz(a,h)anthracene	9.94	Baseline Event	cantins	04/11/13 14:33

Lab Sample ID: IC 660-136370/6 Client Sample ID: _____Date Analyzed: 04/11/13 13:11 Lab File ID: 1CD11006.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.92	Split Peak	cantins	04/11/13 14:35

Lab Sample ID: IC 660-136370/7 Client Sample ID: _____Date Analyzed: 04/11/13 13:30 Lab File ID: 1CD11007.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.93	Split Peak	cantins	04/11/13 14:36

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973 Analysis Batch Number: 136370

Lab Sample ID: IC 660-136370/8 Client Sample ID: _____

Date Analyzed: 04/11/13 13:48 Lab File ID: 1CD11008.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.93	Split Peak	cantins	04/11/13 14:36

Lab Sample ID: IC 660-136370/9 Client Sample ID: _____

Date Analyzed: 04/11/13 14:06 Lab File ID: 1CD11009.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.93	Split Peak	cantins	04/11/13 14:37

Lab Sample ID: ICV 660-136370/10 Client Sample ID: _____

Date Analyzed: 04/11/13 14:25 Lab File ID: 1CD11010.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.92	Split Peak	cantins	04/11/13 14:46

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973 Analysis Batch Number: 136414Lab Sample ID: CCVIS 660-136414/3 Client Sample ID: _____Date Analyzed: 04/12/13 11:42 Lab File ID: 1CD12003.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.92	Split Peak	cantins	04/12/13 11:58

Lab Sample ID: 680-89038-A-6-B MS Client Sample ID: _____Date Analyzed: 04/12/13 12:38 Lab File ID: 1CD12006.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.92	Split Peak	cantins	04/12/13 14:27

Lab Sample ID: 680-89038-A-6-C MSD Client Sample ID: _____Date Analyzed: 04/12/13 12:57 Lab File ID: 1CD12007.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.91	Split Peak	cantins	04/12/13 14:27

Lab Sample ID: 680-89038-22 Client Sample ID: CV1254B-CS-SPDate Analyzed: 04/12/13 14:29 Lab File ID: 1CD12012.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	10.25	Baseline Event	cantins	04/15/13 10:43

Lab Sample ID: 680-89038-23 Client Sample ID: CV Ditch-GrabDate Analyzed: 04/12/13 14:47 Lab File ID: 1CD12013.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.46	Split Peak	cantins	04/15/13 10:45
Benzo[k]fluoranthene	8.48	Baseline Event	cantins	04/15/13 10:45
Benzo[g,h,i]perylene	10.25	Baseline Event	cantins	04/15/13 10:46

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973 Analysis Batch Number: 136414Lab Sample ID: 680-89038-24 Client Sample ID: CV0332A-CSDate Analyzed: 04/12/13 15:06 Lab File ID: 1CD12014.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	10.25	Baseline Event	cantins	04/15/13 11:09

Lab Sample ID: 680-89038-25 Client Sample ID: CV0332B-CSDate Analyzed: 04/12/13 15:24 Lab File ID: 1CD12015.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.91	Split Peak	cantins	04/15/13 11:10
Dibenz(a,h)anthracene	9.92	Baseline Event	cantins	04/15/13 11:10

Lab Sample ID: 680-89038-26 Client Sample ID: CV1193A-CSDate Analyzed: 04/12/13 15:42 Lab File ID: 1CD12016.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	10.25	Baseline Event	cantins	04/15/13 11:18

Lab Sample ID: 680-89038-27 Client Sample ID: CV1193B-CSDate Analyzed: 04/12/13 16:01 Lab File ID: 1CD12017.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	10.24	Baseline Event	cantins	04/15/13 11:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973 Analysis Batch Number: 136414Lab Sample ID: 680-89038-28 Client Sample ID: CV1193B-CSDDate Analyzed: 04/12/13 16:19 Lab File ID: 1CD12018.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.46	Split Peak	cantins	04/15/13 11:22
Benzo[k]fluoranthene	8.47	Baseline Event	cantins	04/15/13 11:22
Indeno[1,2,3-cd]pyrene	9.92	Baseline Event	cantins	04/15/13 11:23

Lab Sample ID: 680-89038-29 Client Sample ID: CV1251A-CSDate Analyzed: 04/12/13 16:38 Lab File ID: 1CD12019.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.46	Split Peak	cantins	04/15/13 11:25
Benzo[k]fluoranthene	8.46	Baseline Event	cantins	04/15/13 11:25
Benzo[g,h,i]perylene	10.24	Baseline Event	cantins	04/15/13 11:26

Lab Sample ID: 680-89038-30 Client Sample ID: CV1251B-CSDate Analyzed: 04/12/13 16:56 Lab File ID: 1CD12020.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.46	Split Peak	cantins	04/15/13 11:27
Benzo[k]fluoranthene	8.47	Baseline Event	cantins	04/15/13 11:27
Benzo[g,h,i]perylene	10.24	Baseline Event	cantins	04/15/13 11:27

Lab Sample ID: 680-89038-31 Client Sample ID: CV1262A-CSDate Analyzed: 04/12/13 17:14 Lab File ID: 1CD12021.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	10.25	Baseline Event	cantins	04/15/13 11:29

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973 Analysis Batch Number: 136414Lab Sample ID: 680-89038-32 Client Sample ID: CV1262B-CSDate Analyzed: 04/12/13 17:32 Lab File ID: 1CD12022.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	9.91	Split Peak	cantins	04/15/13 11:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMD5973 Analysis Batch Number: 136164Lab Sample ID: IC 660-136164/15 Client Sample ID: _____Date Analyzed: 04/04/13 13:49 Lab File ID: 1DD04007.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.73	Split Peak	cantins	04/05/13 12:28
Dibenz(a,h)anthracene	14.76	Baseline Event	cantins	04/05/13 12:28

Lab Sample ID: IC 660-136164/16 Client Sample ID: _____Date Analyzed: 04/04/13 14:11 Lab File ID: 1DD04008.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.73	Split Peak	cantins	04/05/13 12:29
Dibenz(a,h)anthracene	14.76	Baseline Event	cantins	04/05/13 12:28

Lab Sample ID: IC 660-136164/17 Client Sample ID: _____Date Analyzed: 04/04/13 14:34 Lab File ID: 1DD04009.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.74	Split Peak	cantins	04/05/13 12:29

Lab Sample ID: IC 660-136164/18 Client Sample ID: _____Date Analyzed: 04/04/13 14:57 Lab File ID: 1DD04010.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.75	Split Peak	cantins	04/05/13 12:30

Lab Sample ID: ICIS 660-136164/19 Client Sample ID: _____Date Analyzed: 04/04/13 15:19 Lab File ID: 1DD04011.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.76	Split Peak	cantins	04/05/13 12:26

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMD5973 Analysis Batch Number: 136164Lab Sample ID: IC 660-136164/20 Client Sample ID: _____Date Analyzed: 04/04/13 15:42 Lab File ID: 1DD04012.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.77	Split Peak	cantins	04/05/13 12:30

Lab Sample ID: IC 660-136164/21 Client Sample ID: _____Date Analyzed: 04/04/13 16:04 Lab File ID: 1DD04013.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.79	Split Peak	cantins	04/05/13 12:30

Lab Sample ID: ICV 660-136164/22 Client Sample ID: _____Date Analyzed: 04/04/13 16:27 Lab File ID: 1DD04014.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbazole	9.23	Baseline Event	cantins	04/05/13 13:08
Indeno[1,2,3-cd]pyrene	14.76	Split Peak	cantins	04/05/13 13:09

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMD5973 Analysis Batch Number: 136371Lab Sample ID: CCVIS 660-136371/4 Client Sample ID: _____Date Analyzed: 04/11/13 11:20 Lab File ID: 1DD11004.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.74	Split Peak	cantins	04/11/13 11:41

Lab Sample ID: MB 660-136324/1-A Client Sample ID: _____Date Analyzed: 04/11/13 16:00 Lab File ID: 1DD11014.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.09	Baseline Event	cantins	04/12/13 11:11

Lab Sample ID: LCS 660-136324/2-A Client Sample ID: _____Date Analyzed: 04/11/13 16:22 Lab File ID: 1DD11015.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.72	Split Peak	cantins	04/12/13 11:11

Lab Sample ID: 680-89038-21 Client Sample ID: CV1254A-CS-SPDate Analyzed: 04/11/13 16:45 Lab File ID: 1DD11016.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.71	Split Peak	cantins	04/12/13 11:12

Lab Sample ID: 680-89038-21 MS Client Sample ID: CV1254A-CS-SP MSDate Analyzed: 04/11/13 17:08 Lab File ID: 1DD11017.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.73	Split Peak	cantins	04/12/13 11:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMD5973 Analysis Batch Number: 136371

Lab Sample ID: 680-89038-21 MSD Client Sample ID: CV1254A-CS-SP MSD

Date Analyzed: 04/11/13 17:30 Lab File ID: 1DD11018.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.73	Split Peak	cantins	04/12/13 11:14

Lab Sample ID: LCS 660-136277/2-A Client Sample ID: _____

Date Analyzed: 04/11/13 19:46 Lab File ID: 1DD11024.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.73	Split Peak	cantins	04/12/13 11:32

Method 8270C Low Level

Semivolatile Organic Compounds
(GC/MS) Low Level by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Tampa

Job No.: 680-89038-2

SDG No.: _____

Matrix: Solid

Level: Low

GC Column (1): DB-5MS ID: 250 (um)

Client Sample ID	Lab Sample ID	OTPH #
CV1254A-CS-SP	680-89038-21	45
CV1254B-CS-SP	680-89038-22	64
CV Ditch-Grab	680-89038-23	80
CV0332A-CS	680-89038-24	56
CV0332B-CS	680-89038-25	59
CV1193A-CS	680-89038-26	58
CV1193B-CS	680-89038-27	49
CV1193B-CSD	680-89038-28	65
CV1251A-CS	680-89038-29	67
CV1251B-CS	680-89038-30	91
CV1262A-CS	680-89038-31	63
CV1262B-CS	680-89038-32	70
	MB 660-136277/1-A	64
	MB 660-136324/1-A	69
	LCS 660-136277/2-A	87
	LCS 660-136324/2-A	54
	680-89038-A-6-B MS	63
CV1254A-CS-SP MS	680-89038-21 MS	53
	680-89038-A-6-C MSD	60
CV1254A-CS-SP MSD	680-89038-21 MSD	62

OTPH = o-Terphenyl

QC LIMITS
30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: 1DD11024.D

Lab ID: LCS 660-136277/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	524	79	39-130	
Acenaphthylene	667	545	82	38-130	
Anthracene	667	557	84	37-130	
Benzo[a]anthracene	667	588	88	40-130	
Benzo[a]pyrene	667	531	80	49-130	
Benzo[b]fluoranthene	667	594	89	37-130	
Benzo[g,h,i]perylene	667	583	88	32-130	
Benzo[k]fluoranthene	667	599	90	32-130	
Chrysene	667	571	86	41-130	
Dibenz(a,h)anthracene	667	621	93	27-130	
Fluoranthene	667	600	90	40-130	
Fluorene	667	579	87	40-130	
Indeno[1,2,3-cd]pyrene	667	595	89	30-130	
1-Methylnaphthalene	667	565	85	31-130	
2-Methylnaphthalene	667	556	83	33-130	
Naphthalene	667	533	80	36-130	
Phenanthrene	667	543	81	42-130	
Pyrene	667	552	83	44-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: 1DD11015.D

Lab ID: LCS 660-136324/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	340	51	39-130	
Acenaphthylene	667	356	53	38-130	
Anthracene	667	348	52	37-130	
Benzo[a]anthracene	667	370	56	40-130	
Benzo[a]pyrene	667	335	50	49-130	
Benzo[b]fluoranthene	667	394	59	37-130	
Benzo[g,h,i]perylene	667	370	55	32-130	
Benzo[k]fluoranthene	667	365	55	32-130	
Chrysene	667	356	53	41-130	
Dibenz(a,h)anthracene	667	384	58	27-130	
Fluoranthene	667	376	56	40-130	
Fluorene	667	373	56	40-130	
Indeno[1,2,3-cd]pyrene	667	376	56	30-130	
1-Methylnaphthalene	667	383	58	31-130	
2-Methylnaphthalene	667	368	55	33-130	
Naphthalene	667	360	54	36-130	
Phenanthrene	667	354	53	42-130	
Pyrene	667	350	52	44-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 1CD12006.D
 Lab ID: 680-89038-A-6-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	1090	170 U	702	65	39-130	
Acenaphthylene	1090	66 U	720	66	38-130	
Anthracene	1090	10 J	785	71	37-130	
Benzo[a]anthracene	1090	45	817	71	40-130	
Benzo[a]pyrene	1090	37	696	61	49-130	
Benzo[b]fluoranthene	1090	65	949	81	37-130	
Benzo[g,h,i]perylene	1090	41	658	57	32-130	
Benzo[k]fluoranthene	1090	27	726	64	32-130	
Chrysene	1090	51	818	70	41-130	
Dibenz(a,h)anthracene	1090	33 U	722	66	27-130	
Fluoranthene	1090	74	912	77	40-130	
Fluorene	1090	16 J	755	68	40-130	
Indeno[1,2,3-cd]pyrene	1090	110	681	53	30-130	
1-Methylnaphthalene	1090	32 J	832	74	31-130	
2-Methylnaphthalene	1090	72	822	69	33-130	
Naphthalene	1090	46 J	729	63	36-130	
Phenanthrene	1090	55	849	73	42-130	
Pyrene	1090	54	808	69	44-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 1DD11017.D
 Lab ID: 680-89038-21 MS Client ID: CV1254A-CS-SP MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	1150	170 U	570	50	39-130	
Acenaphthylene	1150	69 U	602	52	38-130	
Anthracene	1150	15 U	589	51	37-130	
Benzo[a]anthracene	1150	33	679	56	40-130	
Benzo[a]pyrene	1150	31	628	52	49-130	
Benzo[b]fluoranthene	1150	80	850	67	37-130	
Benzo[g,h,i]perylene	1150	39	726	60	32-130	
Benzo[k]fluoranthene	1150	20	672	57	32-130	
Chrysene	1150	54	715	58	41-130	
Dibenz(a,h)anthracene	1150	13 J	668	57	27-130	
Fluoranthene	1150	33 J	718	60	40-130	
Fluorene	1150	35 U	621	54	40-130	
Indeno[1,2,3-cd]pyrene	1150	33 J	686	57	30-130	
1-Methylnaphthalene	1150	12 J	649	55	31-130	
2-Methylnaphthalene	1150	17 J	646	55	33-130	
Naphthalene	1150	16 J	610	52	36-130	
Phenanthrene	1150	22	636	53	42-130	
Pyrene	1150	24 J	638	53	44-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 1CD12007.D
 Lab ID: 680-89038-A-6-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1090	589	54	18	40	39-130	
Acenaphthylene	1090	659	60	9	40	38-130	
Anthracene	1090	728	66	7	40	37-130	
Benzo[a]anthracene	1090	846	73	4	40	40-130	
Benzo[a]pyrene	1090	693	60	0	40	49-130	
Benzo[b]fluoranthene	1090	848	72	11	40	37-130	
Benzo[g,h,i]perylene	1090	709	61	7	40	32-130	
Benzo[k]fluoranthene	1090	754	67	4	40	32-130	
Chrysene	1090	763	65	7	40	41-130	
Dibenz(a,h)anthracene	1090	706	65	2	40	27-130	
Fluoranthene	1090	866	73	5	40	40-130	
Fluorene	1090	710	64	6	40	40-130	
Indeno[1,2,3-cd]pyrene	1090	666	51	2	40	30-130	
1-Methylnaphthalene	1090	651	57	24	40	31-130	
2-Methylnaphthalene	1090	781	65	5	40	33-130	
Naphthalene	1090	661	56	10	40	36-130	
Phenanthrene	1090	827	71	3	40	42-130	
Pyrene	1090	801	68	1	40	44-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 1DD11018.D
 Lab ID: 680-89038-21 MSD Client ID: CV1254A-CS-SP MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1150	673	59	17	40	39-130	
Acenaphthylene	1150	706	61	16	40	38-130	
Anthracene	1150	699	61	17	40	37-130	
Benzo[a]anthracene	1150	790	66	15	40	40-130	
Benzo[a]pyrene	1150	690	57	9	40	49-130	
Benzo[b]fluoranthene	1150	881	70	4	40	37-130	
Benzo[g,h,i]perylene	1150	792	66	9	40	32-130	
Benzo[k]fluoranthene	1150	738	63	9	40	32-130	
Chrysene	1150	769	62	7	40	41-130	
Dibenz(a,h)anthracene	1150	776	66	15	40	27-130	
Fluoranthene	1150	823	69	14	40	40-130	
Fluorene	1150	735	64	17	40	40-130	
Indeno[1,2,3-cd]pyrene	1150	798	67	15	40	30-130	
1-Methylnaphthalene	1150	751	64	15	40	31-130	
2-Methylnaphthalene	1150	742	63	14	40	33-130	
Naphthalene	1150	719	61	16	40	36-130	
Phenanthrene	1150	747	63	16	40	42-130	
Pyrene	1150	732	62	14	40	44-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab File ID: 1DD11023.D Lab Sample ID: MB 660-136277/1-A
 Matrix: Solid Date Extracted: 04/09/2013 16:11
 Instrument ID: BSMD5973 Date Analyzed: 04/11/2013 19:23
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 660-136277/2-A	1DD11024.D	04/11/2013 19:46
	680-89038-A-6-B MS	1CD12006.D	04/12/2013 12:38
	680-89038-A-6-C MSD	1CD12007.D	04/12/2013 12:57
CV1254B-CS-SP	680-89038-22	1CD12012.D	04/12/2013 14:29
CV Ditch-Grab	680-89038-23	1CD12013.D	04/12/2013 14:47
CV0332A-CS	680-89038-24	1CD12014.D	04/12/2013 15:06
CV0332B-CS	680-89038-25	1CD12015.D	04/12/2013 15:24
CV1193A-CS	680-89038-26	1CD12016.D	04/12/2013 15:42
CV1193B-CS	680-89038-27	1CD12017.D	04/12/2013 16:01
CV1193B-CSD	680-89038-28	1CD12018.D	04/12/2013 16:19
CV1251A-CS	680-89038-29	1CD12019.D	04/12/2013 16:38
CV1251B-CS	680-89038-30	1CD12020.D	04/12/2013 16:56
CV1262A-CS	680-89038-31	1CD12021.D	04/12/2013 17:14
CV1262B-CS	680-89038-32	1CD12022.D	04/12/2013 17:32

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab File ID: 1DD11014.D Lab Sample ID: MB 660-136324/1-A
 Matrix: Solid Date Extracted: 04/11/2013 06:37
 Instrument ID: BSMD5973 Date Analyzed: 04/11/2013 16:00
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 660-136324/2-A	1DD11015.D	04/11/2013 16:22
CV1254A-CS-SP	680-89038-21	1DD11016.D	04/11/2013 16:45
CV1254A-CS-SP MS	680-89038-21 MS	1DD11017.D	04/11/2013 17:08
CV1254A-CS-SP MSD	680-89038-21 MSD	1DD11018.D	04/11/2013 17:30

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab File ID: 1CD11002.D DFTPP Injection Date: 04/11/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:38
 Analysis Batch No.: 136370

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	38.7
68	Less than 2.0 % of mass 69	0.6 (1.3)1
69	Mass 69 relative abundance	48.8
70	Less than 2.0 % of mass 69	0.2 (0.5)1
127	10.0 - 80.0 % of mass 198	45.9
197	Less than 2.0 % of mass 198	0.8
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	5.8
275	10.0 - 60.0 % of mass 198	20.8
365	Greater than 1.0 % of mass 198	5.1
441	Present but less than mass 443	10.4
442	Greater than 50.0 % of mass 198	76.7
443	15.0 - 24.0 % of mass 442	16.1 (20.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 660-136370/3	1CD11003.D	04/11/2013	11:56
	IC 660-136370/4	1CD11004.D	04/11/2013	12:35
	IC 660-136370/5	1CD11005.D	04/11/2013	12:53
	IC 660-136370/6	1CD11006.D	04/11/2013	13:11
	IC 660-136370/7	1CD11007.D	04/11/2013	13:30
	IC 660-136370/8	1CD11008.D	04/11/2013	13:48
	IC 660-136370/9	1CD11009.D	04/11/2013	14:06
	ICV 660-136370/10	1CD11010.D	04/11/2013	14:25

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab File ID: 1CD12002.D DFTPP Injection Date: 04/12/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:24
 Analysis Batch No.: 136414

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	48.9
68	Less than 2.0 % of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	52.6
70	Less than 2.0 % of mass 69	0.7 (1.3)1
127	10.0 - 80.0 % of mass 198	49.4
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.2
275	10.0 - 60.0 % of mass 198	20.7
365	Greater than 1.0 % of mass 198	3.7
441	Present but less than mass 443	11.2
442	Greater than 50.0 % of mass 198	73.4
443	15.0 - 24.0 % of mass 442	15.3 (20.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 660-136414/3	1CD12003.D	04/12/2013	11:42
	680-89038-A-6-B MS	1CD12006.D	04/12/2013	12:38
	680-89038-A-6-C MSD	1CD12007.D	04/12/2013	12:57
CV1254B-CS-SP	680-89038-22	1CD12012.D	04/12/2013	14:29
CV Ditch-Grab	680-89038-23	1CD12013.D	04/12/2013	14:47
CV0332A-CS	680-89038-24	1CD12014.D	04/12/2013	15:06
CV0332B-CS	680-89038-25	1CD12015.D	04/12/2013	15:24
CV1193A-CS	680-89038-26	1CD12016.D	04/12/2013	15:42
CV1193B-CS	680-89038-27	1CD12017.D	04/12/2013	16:01
CV1193B-CSD	680-89038-28	1CD12018.D	04/12/2013	16:19
CV1251A-CS	680-89038-29	1CD12019.D	04/12/2013	16:38
CV1251B-CS	680-89038-30	1CD12020.D	04/12/2013	16:56
CV1262A-CS	680-89038-31	1CD12021.D	04/12/2013	17:14
CV1262B-CS	680-89038-32	1CD12022.D	04/12/2013	17:32

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab File ID: 1DD04003.D DFTPP Injection Date: 04/04/2013
 Instrument ID: BSMD5973 DFTPP Injection Time: 12:15
 Analysis Batch No.: 136164

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	44.9
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	45.4
70	Less than 2.0 % of mass 69	0.2 (0.3) 1
127	10.0 - 80.0 % of mass 198	50.5
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	26.7
365	Greater than 1.0 % of mass 198	3.1
441	Present but less than mass 443	3.3
442	Greater than 50.0 % of mass 198	67.1
443	15.0 - 24.0 % of mass 442	13.9 (20.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 660-136164/15	1DD04007.D	04/04/2013	13:49
	IC 660-136164/16	1DD04008.D	04/04/2013	14:11
	IC 660-136164/17	1DD04009.D	04/04/2013	14:34
	IC 660-136164/18	1DD04010.D	04/04/2013	14:57
	ICIS 660-136164/19	1DD04011.D	04/04/2013	15:19
	IC 660-136164/20	1DD04012.D	04/04/2013	15:42
	IC 660-136164/21	1DD04013.D	04/04/2013	16:04
	ICV 660-136164/22	1DD04014.D	04/04/2013	16:27

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab File ID: 1DD11003.D DFTPP Injection Date: 04/11/2013
 Instrument ID: BSMD5973 DFTPP Injection Time: 11:00
 Analysis Batch No.: 136371

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	48.1
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	49.4
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	10.0 - 80.0 % of mass 198	51.1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.0
275	10.0 - 60.0 % of mass 198	26.6
365	Greater than 1.0 % of mass 198	3.7
441	Present but less than mass 443	2.3
442	Greater than 50.0 % of mass 198	66.7
443	15.0 - 24.0 % of mass 442	13.3 (19.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 660-136371/4	1DD11004.D	04/11/2013	11:20
	MB 660-136324/1-A	1DD11014.D	04/11/2013	16:00
	LCS 660-136324/2-A	1DD11015.D	04/11/2013	16:22
CV1254A-CS-SP	680-89038-21	1DD11016.D	04/11/2013	16:45
CV1254A-CS-SP MS	680-89038-21 MS	1DD11017.D	04/11/2013	17:08
CV1254A-CS-SP MSD	680-89038-21 MSD	1DD11018.D	04/11/2013	17:30
	MB 660-136277/1-A	1DD11023.D	04/11/2013	19:23
	LCS 660-136277/2-A	1DD11024.D	04/11/2013	19:46

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: ICIS 660-136370/3 Date Analyzed: 04/11/2013 11:56
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD11003.D Heated Purge: (Y/N) N
 Calibration ID: 2882

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	245713	3.68	179699	4.76	320372	5.70
UPPER LIMIT	491426	4.18	359398	5.26	640744	6.20
LOWER LIMIT	122857	3.18	89850	4.26	160186	5.20
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-136370/10	273342	3.67	204687	4.76	380421	5.70

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: ICIS 660-136370/3 Date Analyzed: 04/11/2013 11:56
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD11003.D Heated Purge: (Y/N) N
 Calibration ID: 2882

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
INITIAL CALIBRATION MID-POINT	410945	7.65	438804	8.80		
UPPER LIMIT	821890	8.15	877608	9.30		
LOWER LIMIT	205473	7.15	219402	8.30		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-136370/10	501991	7.64	491170	8.80		

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: CCVIS 660-136414/3 Date Analyzed: 04/12/2013 11:42
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD12003.D Heated Purge: (Y/N) N
 Calibration ID: 2882

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	213285	3.67	157125	4.76	284319	5.70	
UPPER LIMIT	426570	4.17	314250	5.26	568638	6.20	
LOWER LIMIT	106643	3.17	78563	4.26	142160	5.20	
LAB SAMPLE ID	CLIENT SAMPLE ID						
680-89038-A-6-B MS		266003	3.67	187662	4.76	361468	5.70
680-89038-A-6-C MSD		285112	3.67	207753	4.76	373597	5.70
680-89038-22	CV1254B-CS-SP	262749	3.67	188879	4.76	364587	5.70
680-89038-23	CV Ditch-Grab	266683	3.67	186721	4.76	344053	5.70
680-89038-24	CV0332A-CS	269388	3.67	190329	4.76	362057	5.70
680-89038-25	CV0332B-CS	266792	3.67	185621	4.76	357118	5.70
680-89038-26	CV1193A-CS	276142	3.67	189797	4.76	364799	5.70
680-89038-27	CV1193B-CS	267138	3.67	180206	4.76	348580	5.70
680-89038-28	CV1193B-CSD	271526	3.67	200811	4.76	362052	5.70
680-89038-29	CV1251A-CS	262000	3.67	176748	4.76	347285	5.70
680-89038-30	CV1251B-CS	273815	3.67	187885	4.76	366744	5.70
680-89038-31	CV1262A-CS	271574	3.67	199765	4.76	369275	5.70
680-89038-32	CV1262B-CS	282897	3.67	209141	4.76	363188	5.70

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: CCVIS 660-136414/3 Date Analyzed: 04/12/2013 11:42
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD12003.D Heated Purge: (Y/N) N
 Calibration ID: 2882

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	363427	7.64	403166	8.79		
UPPER LIMIT	726854	8.14	806332	9.29		
LOWER LIMIT	181714	7.14	201583	8.29		
LAB SAMPLE ID	CLIENT SAMPLE ID					
680-89038-A-6-B MS		477417	7.63	467979	8.79	
680-89038-A-6-C MSD		448240	7.63	441892	8.79	
680-89038-22	CV1254B-CS-SP	449388	7.63	430805	8.79	
680-89038-23	CV Ditch-Grab	417238	7.63	399223	8.79	
680-89038-24	CV0332A-CS	421113	7.63	424625	8.79	
680-89038-25	CV0332B-CS	432944	7.63	406702	8.79	
680-89038-26	CV1193A-CS	418402	7.63	420826	8.79	
680-89038-27	CV1193B-CS	407111	7.63	373212	8.79	
680-89038-28	CV1193B-CSD	437629	7.63	415657	8.79	
680-89038-29	CV1251A-CS	409645	7.63	393020	8.79	
680-89038-30	CV1251B-CS	419081	7.63	385986	8.79	
680-89038-31	CV1262A-CS	426721	7.63	416402	8.79	
680-89038-32	CV1262B-CS	429540	7.63	407083	8.79	

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: ICIS 660-136164/19 Date Analyzed: 04/04/2013 15:19
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DD04011.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	NPT		ANT		PHN			
	AREA #	RT #	AREA #	RT #	AREA #	RT #		
INITIAL CALIBRATION MID-POINT	2475113	6.09	1466924	7.77	2428512	9.03		
UPPER LIMIT	4950226	6.59	2933848	8.27	4857024	9.53		
LOWER LIMIT	1237557	5.59	733462	7.27	1214256	8.53		
LAB SAMPLE ID	CLIENT SAMPLE ID							
ICV 660-136164/22			3619899	6.10	2333423	7.77	3845474	9.03

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: ICIS 660-136164/19 Date Analyzed: 04/04/2013 15:19
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DD04011.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
INITIAL CALIBRATION MID-POINT	2464730	11.34	2515643	13.17		
UPPER LIMIT	4929460	11.84	5031286	13.67		
LOWER LIMIT	1232365	10.84	1257822	12.67		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-136164/22	3963674	11.35	3958481	13.18		

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: CCVIS 660-136371/4 Date Analyzed: 04/11/2013 11:20
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DD11004.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	2567445	6.08	1567812	7.75	2682457	9.02	
UPPER LIMIT	5134890	6.58	3135624	8.25	5364914	9.52	
LOWER LIMIT	1283723	5.58	783906	7.25	1341229	8.52	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-136324/1-A	2853195	6.07	1737060	7.76	2952367	9.02	
LCS 660-136324/2-A	2873594	6.07	1806013	7.76	3043280	9.01	
680-89038-21	CV1254A-CS-SP	3893609	6.07	2471439	7.75	4061632	9.02
680-89038-21 MS	CV1254A-CS-SP MS	2996125	6.07	1862559	7.75	3168161	9.02
680-89038-21 MSD	CV1254A-CS-SP MSD	3211843	6.07	1988652	7.75	3345405	9.02
MB 660-136277/1-A	2894138	6.07	1819394	7.75	3081724	9.02	
LCS 660-136277/2-A	2793385	6.07	1736069	7.76	2929348	9.01	

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Sample No.: CCVIS 660-136371/4 Date Analyzed: 04/11/2013 11:20
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DD11004.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	2805579	11.33	2830113	13.16		
UPPER LIMIT	5611158	11.83	5660226	13.66		
LOWER LIMIT	1402790	10.83	1415057	12.66		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 660-136324/1-A		2988573	11.33	3087910	13.16	
LCS 660-136324/2-A		3164104	11.33	3207913	13.16	
680-89038-21	CV1254A-CS-SP	4219324	11.33	4371412	13.16	
680-89038-21 MS	CV1254A-CS-SP MS	3338835	11.33	3393124	13.16	
680-89038-21 MSD	CV1254A-CS-SP MSD	3571685	11.33	3664171	13.17	
MB 660-136277/1-A		3147627	11.32	3207923	13.16	
LCS 660-136277/2-A		3052042	11.33	3048812	13.15	

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1254A-CS-SP Lab Sample ID: 680-89038-21
 Matrix: Solid Lab File ID: 1DD11016.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 12:45
 Extract. Method: 3546 Date Extracted: 04/11/2013 06:37
 Sample wt/vol: 15.05(g) Date Analyzed: 04/11/2013 16:45
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 42.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136371 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	170	U	170	35
208-96-8	Acenaphthylene	69	U	69	8.7
120-12-7	Anthracene	15	U	15	7.3
56-55-3	Benzo[a]anthracene	33		14	6.8
50-32-8	Benzo[a]pyrene	31		18	9.0
205-99-2	Benzo[b]fluoranthene	80		21	11
191-24-2	Benzo[g,h,i]perylene	39		35	7.6
207-08-9	Benzo[k]fluoranthene	20		14	6.3
218-01-9	Chrysene	54		16	7.8
53-70-3	Dibenz(a,h)anthracene	13	J	35	7.1
206-44-0	Fluoranthene	33	J	35	6.9
86-73-7	Fluorene	35	U	35	7.1
193-39-5	Indeno[1,2,3-cd]pyrene	33	J	35	12
90-12-0	1-Methylnaphthalene	12	J	69	7.6
91-57-6	2-Methylnaphthalene	17	J	69	12
91-20-3	Naphthalene	16	J	69	7.6
85-01-8	Phenanthrene	22		14	6.8
129-00-0	Pyrene	24	J	35	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	45		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11016.D
 Lab Smp Id: 680-89038-A-21-A Client Smp ID: CV1254A-CS-SP
 Inj Date : 11-APR-2013 16:45
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89038-A-21-A
 Misc Info : 680-89038-A-21-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dFASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 15
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.050	Weight Extracted
M	42.623	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.071	6.078	(1.000)	3893609	40.0000	
* 6 Acenaphthene-d10	164		7.752	7.752	(1.000)	2471439	40.0000	
* 9 Phenanthrene-d10	188		9.015	9.016	(1.000)	4061632	40.0000	
\$ 13 o-Terphenyl	230		9.321	9.327	(1.034)	274968	4.49308	520
* 17 Chrysene-d12	240		11.330	11.331	(1.000)	4219324	40.0000	
* 22 Perylene-d12	264		13.163	13.158	(1.000)	4371412	40.0000	
2 Naphthalene	128		6.089	6.096	(1.003)	13722	0.14179	16
3 2-Methylnaphthalene	142		6.794	6.801	(1.119)	9140	0.14630	17
4 1-Methylnaphthalene	142		6.888	6.895	(1.135)	6329	0.10728	12
10 Phenanthrene	178		9.027	9.033	(1.001)	21126	0.18883	22
14 Fluoranthene	202		10.008	10.014	(1.110)	32811	0.28500	33
15 Pyrene	202		10.196	10.208	(0.900)	26366	0.20809	24
16 Benzo(a)anthracene	228		11.307	11.313	(0.998)	34902	0.28611	33
18 Chrysene	228		11.348	11.354	(1.002)	53384	0.46671	54

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
19 Benzo(b)fluoranthene	252	12.593	12.611	(0.957)	75225	0.68888	80(H)
20 Benzo(k)fluoranthene	252	12.629	12.653	(0.959)	19936	0.17329	20(H)
21 Benzo(a)pyrene	252	13.040	13.064	(0.991)	29533	0.26917	31
23 Indeno(1,2,3-cd)pyrene	276	14.714	14.744	(1.118)	32946	0.28161	33(M)
24 Dibenzo(a,h)anthracene	278	14.738	14.779	(1.120)	12310	0.11174	13(H)
25 Benzo(g,h,i)perylene	276	15.149	15.191	(1.151)	38233	0.33940	39(H)

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DD11016.D

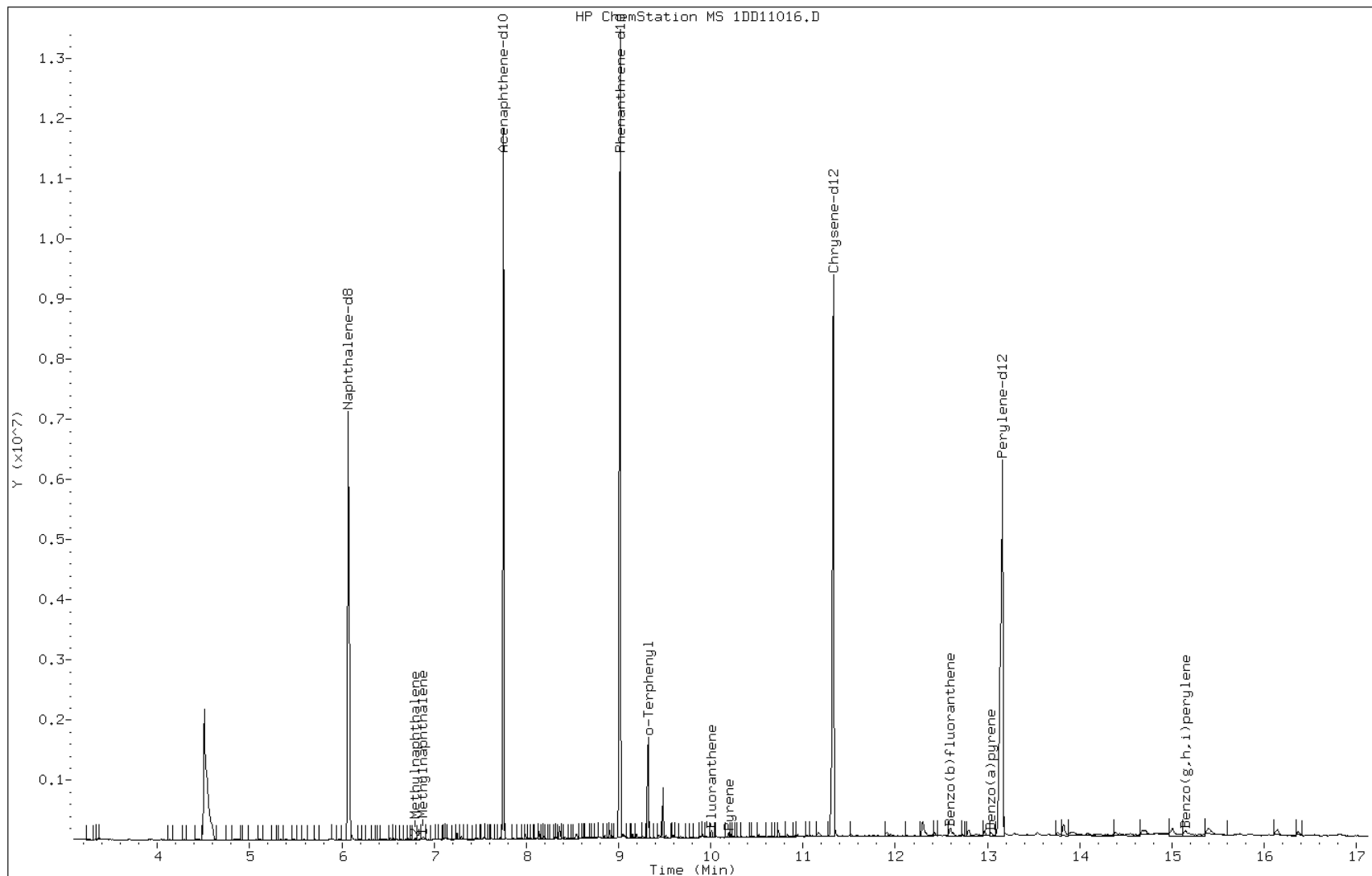
Date: 11-APR-2013 16:45

Client ID: CV1254A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89038-A-21-A

Operator: SCC



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

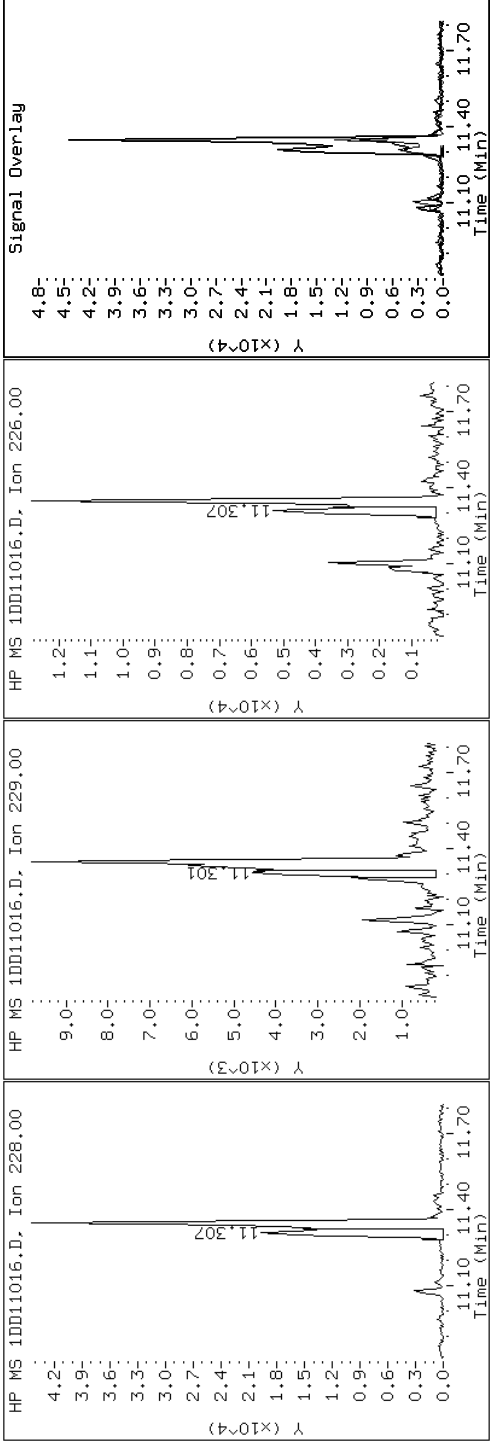
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

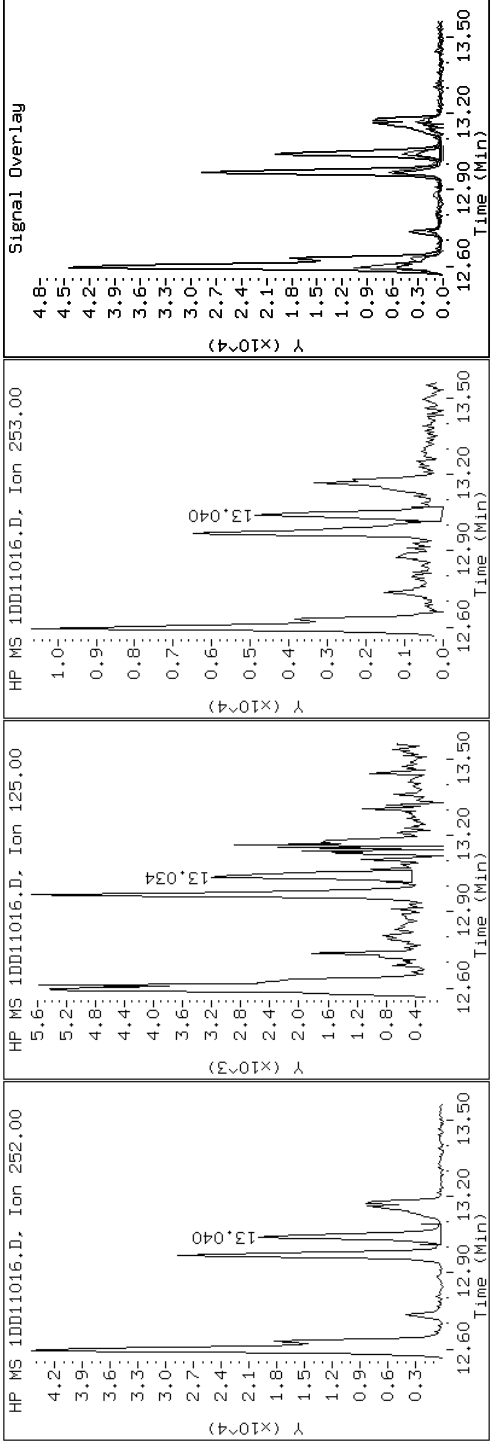
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

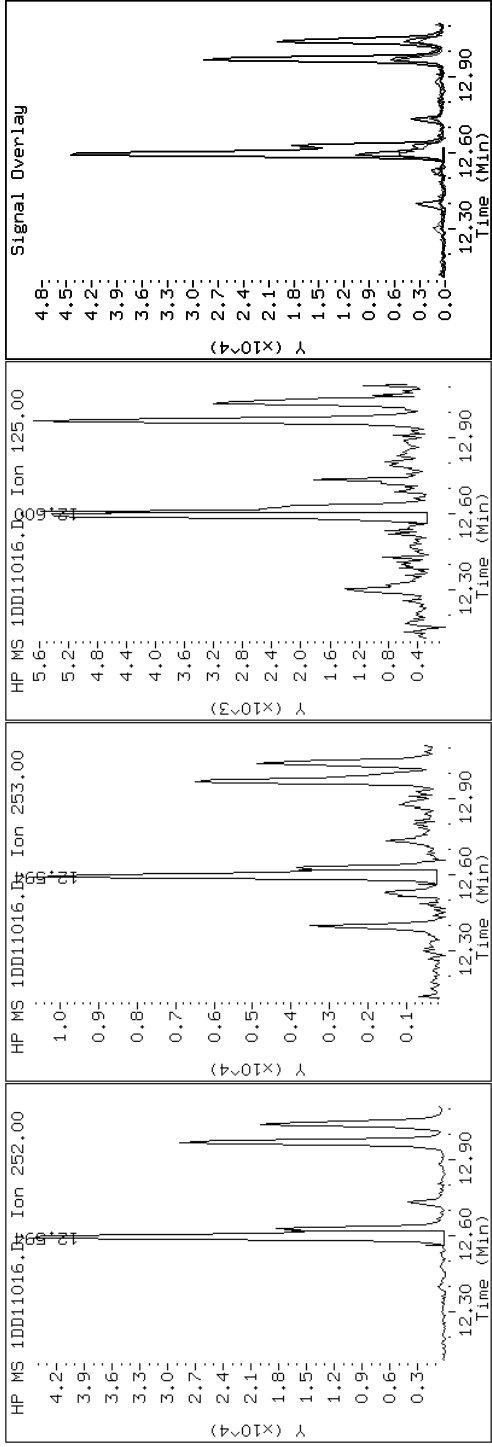
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

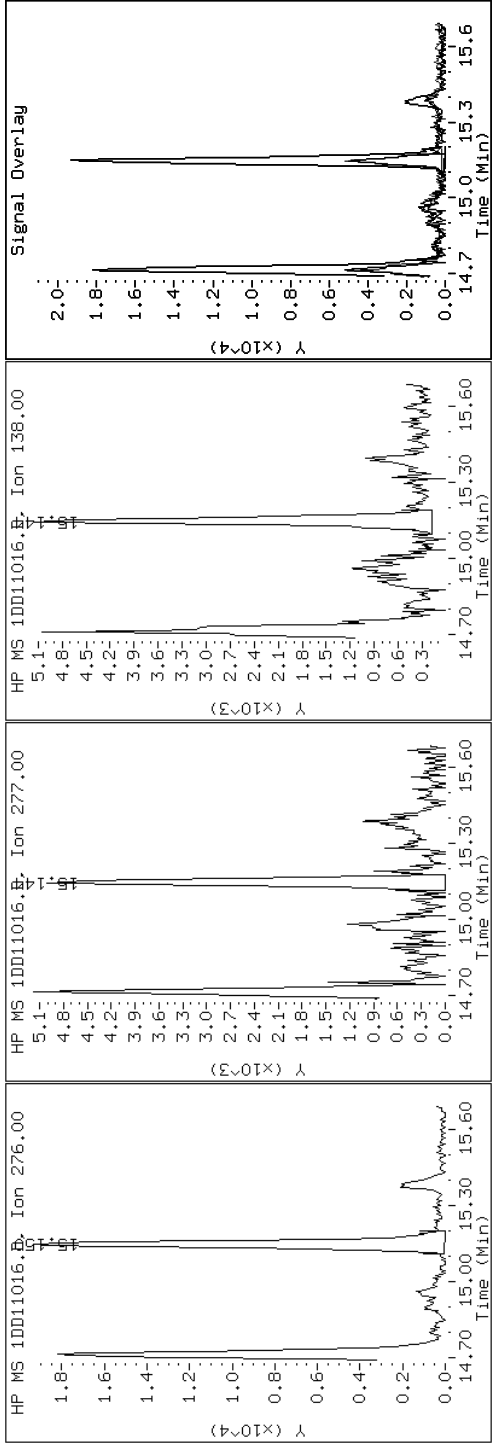
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

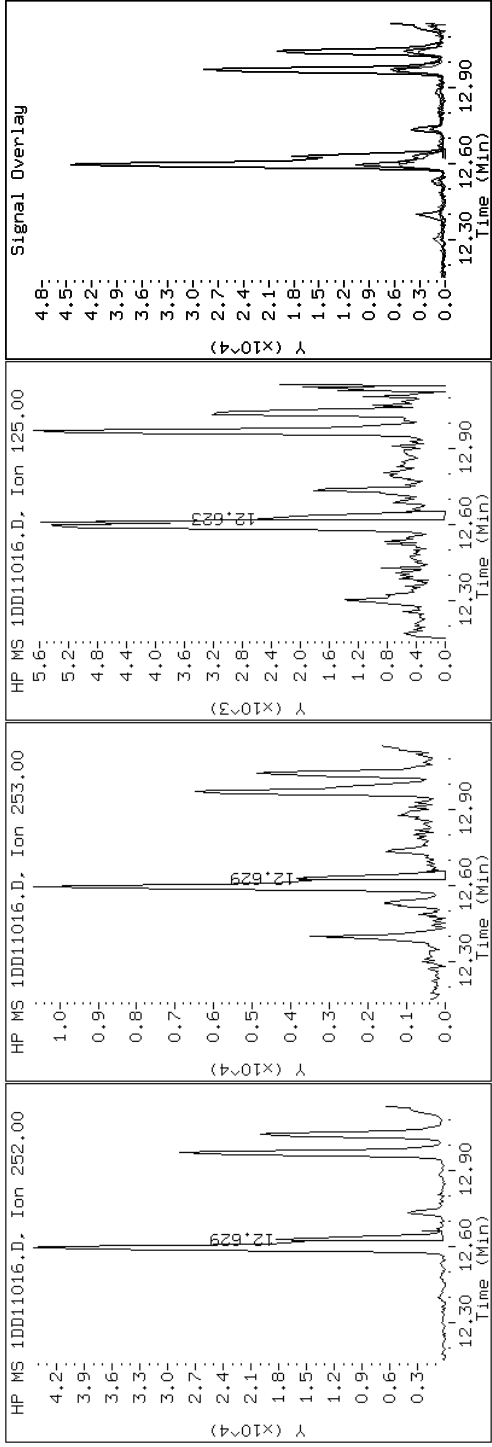
Client ID: CV1254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

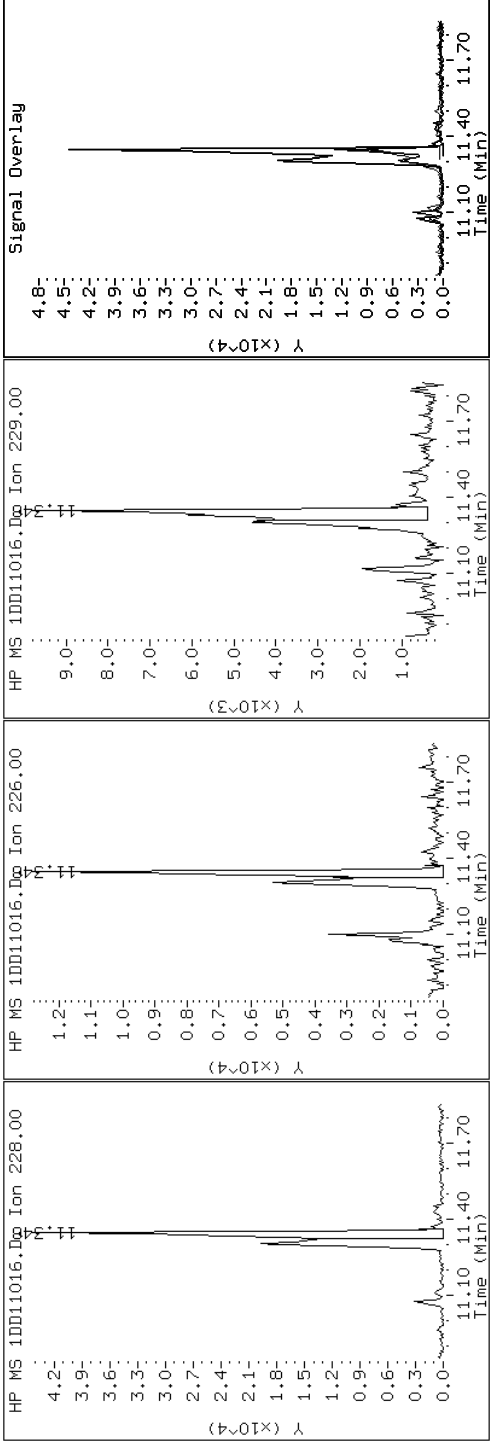
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

18 Chrysene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

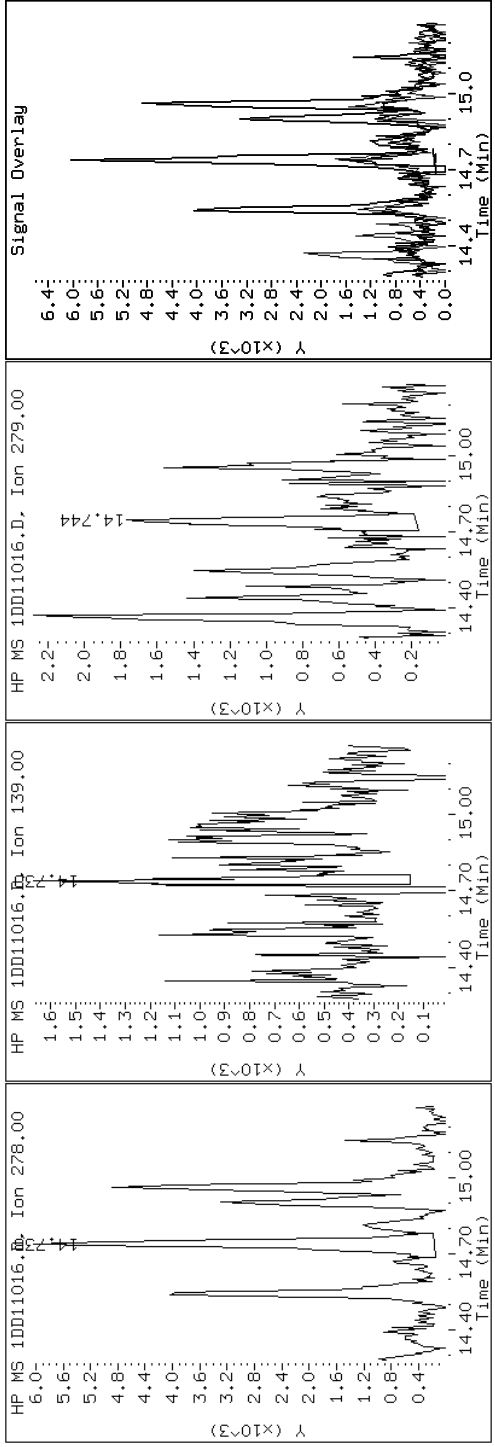
Client ID: CV1254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

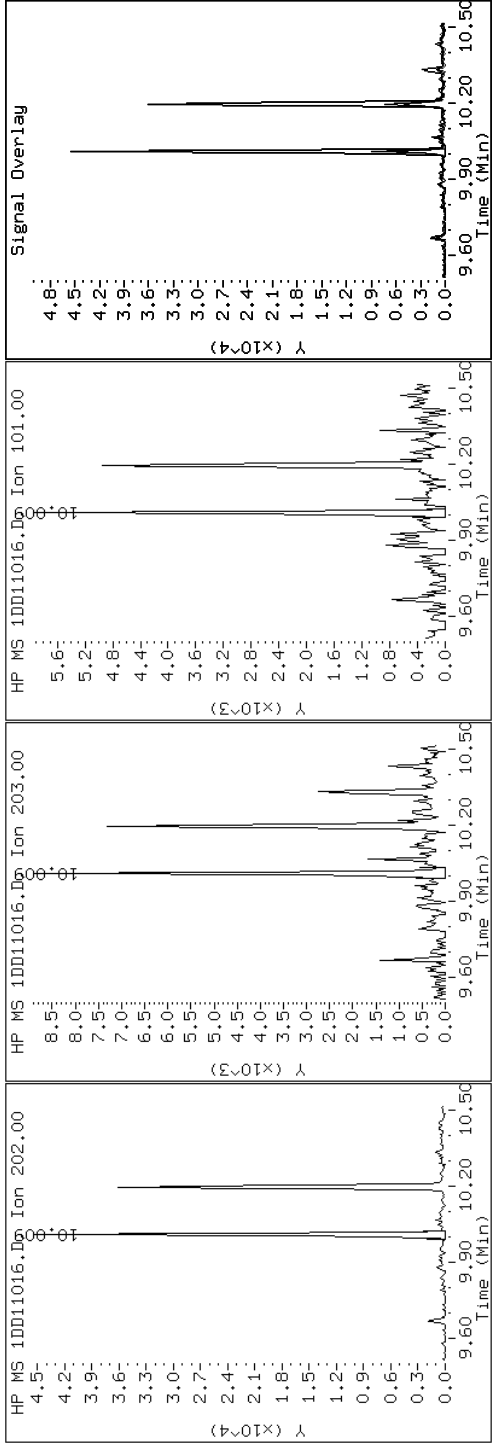
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

14 Fluoranthene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

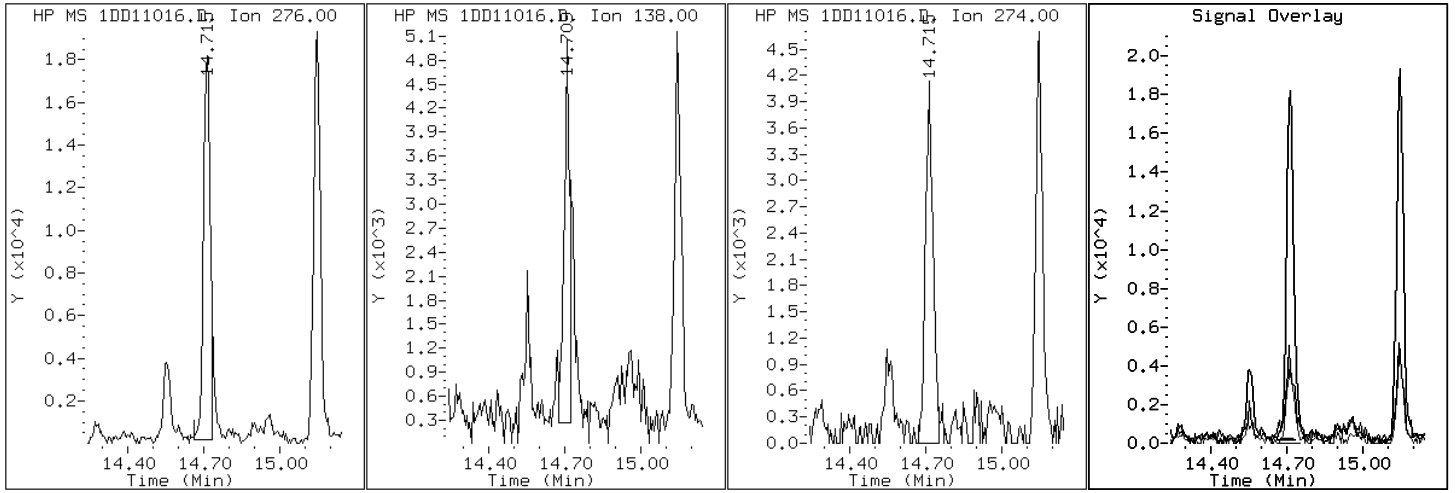
Client ID: CV1254A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89038-A-21-A

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

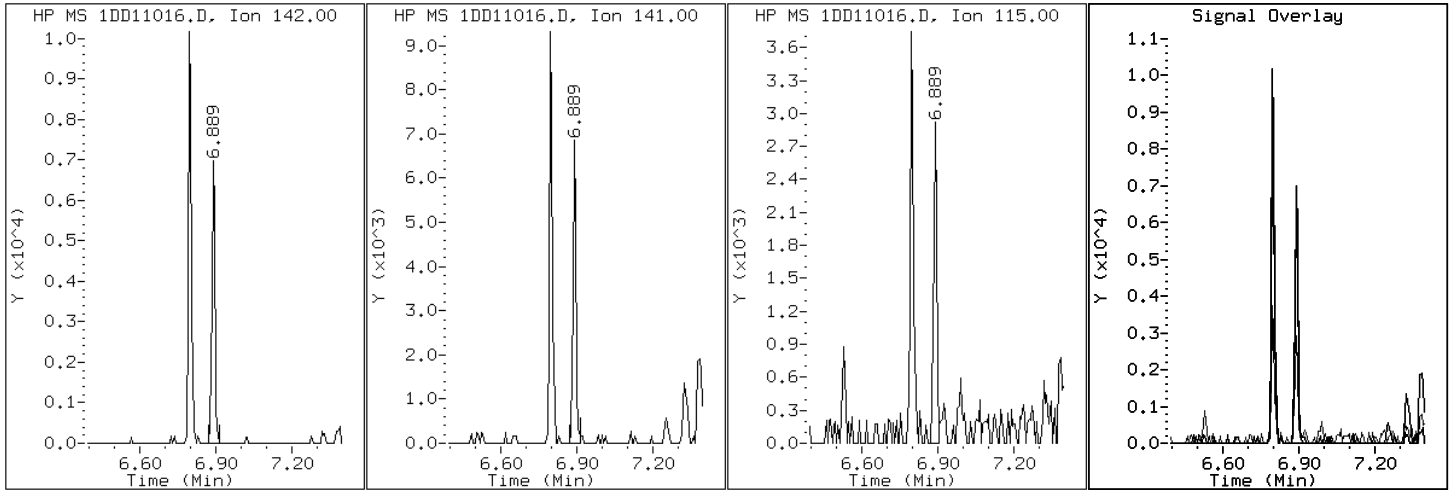
Client ID: CV1254A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89038-A-21-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

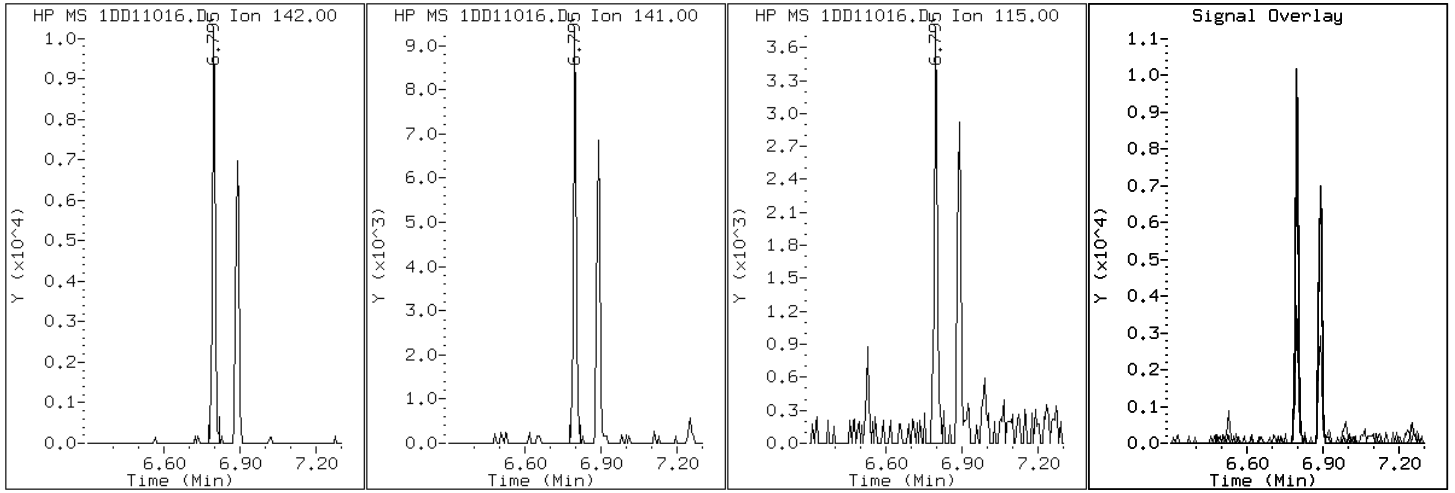
Client ID: CV1254A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89038-A-21-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

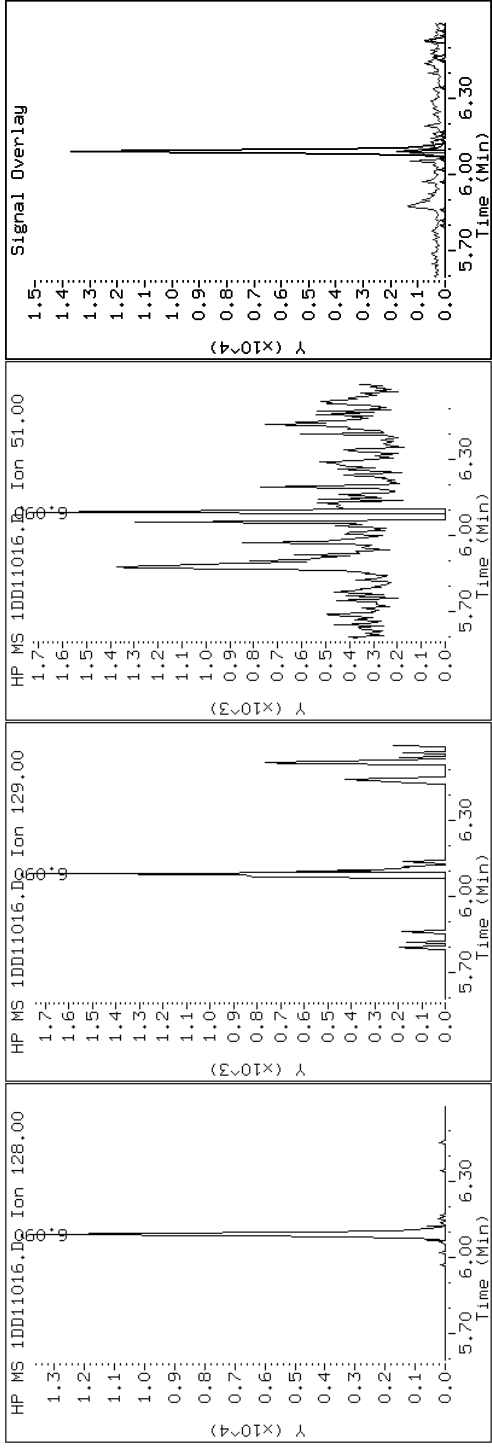
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

2 Naphthalene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

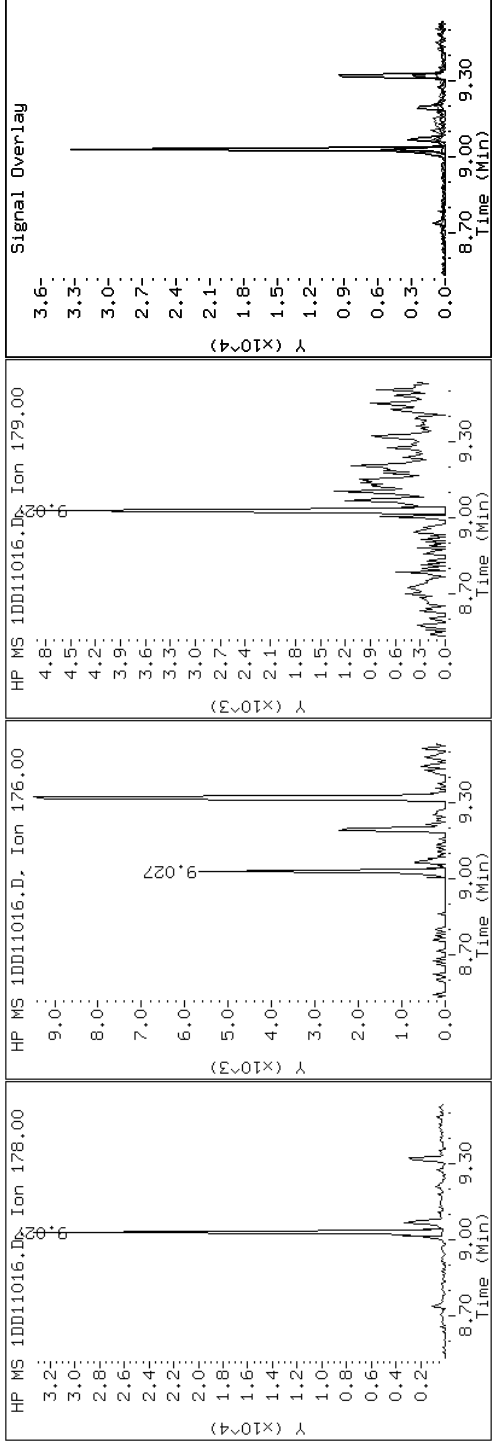
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

10 Phenanthrene



Data File: 1DD11016.D

Date: 11-APR-2013 16:45

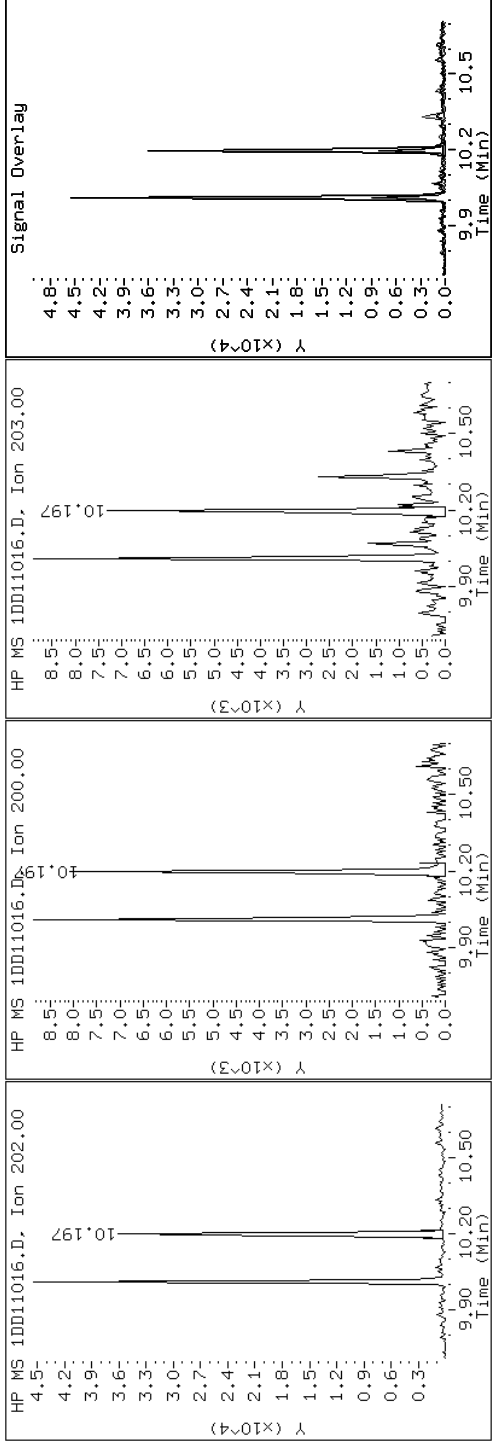
Client ID: CVI254A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89038-A-21-A

Operator: SCC

15 Pyrene

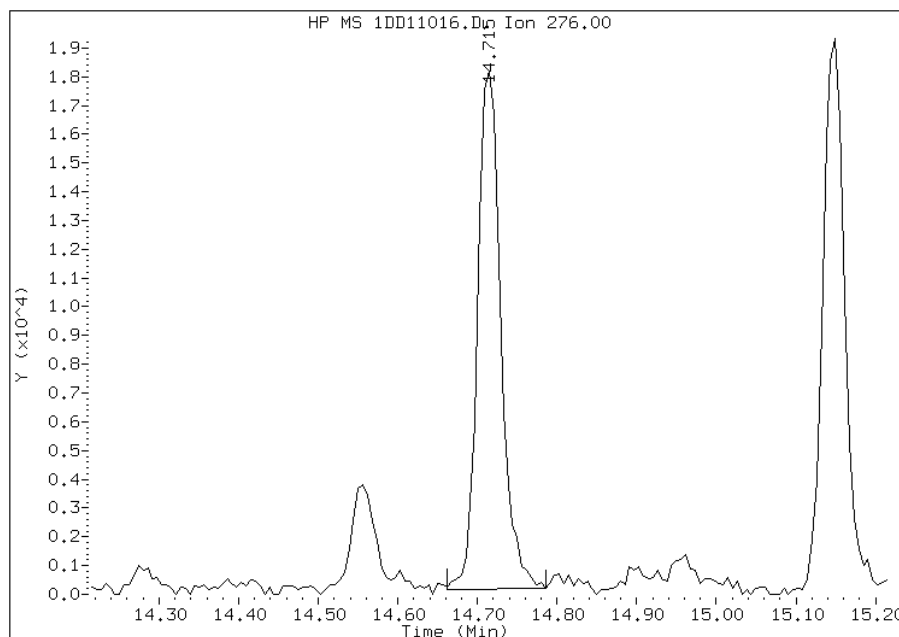


Manual Integration Report

Data File: 1DD11016.D
Inj. Date and Time: 11-APR-2013 16:45
Instrument ID: BSMSD.i
Client ID: CV1254A-CS-SP
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

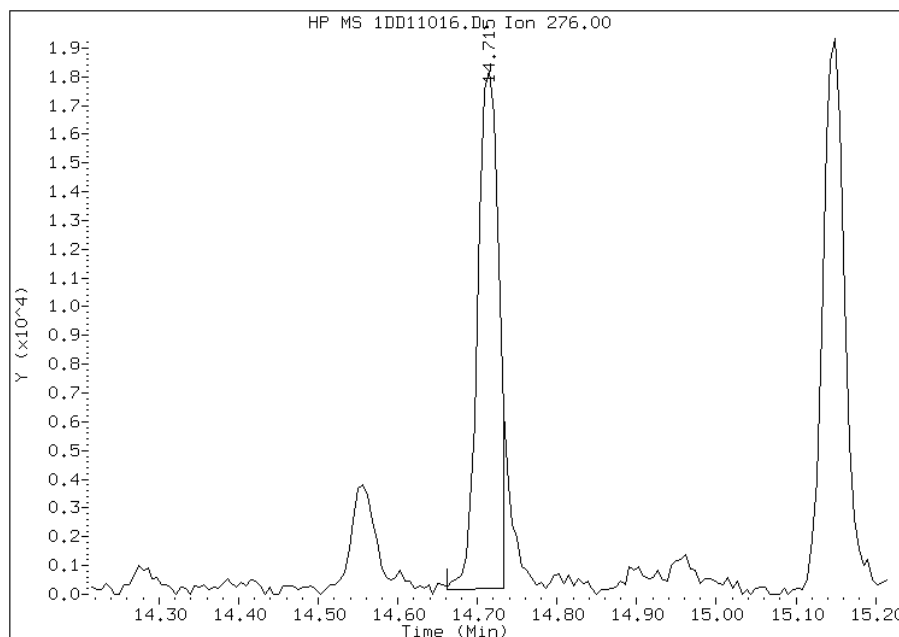
Processing Integration Results

RT: 14.71
Response: 36370
Amount: 0
Conc: 36



Manual Integration Results

RT: 14.71
Response: 32946
Amount: 0
Conc: 33



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 11:12
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1254B-CS-SP Lab Sample ID: 680-89038-22
 Matrix: Solid Lab File ID: 1CD12012.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 12:55
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.16(g) Date Analyzed: 04/12/2013 14:29
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 38.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	160	U	160	32
208-96-8	Acenaphthylene	8.8	J	64	8.0
120-12-7	Anthracene	14	U	14	6.8
56-55-3	Benzo[a]anthracene	38		13	6.3
50-32-8	Benzo[a]pyrene	30		17	8.4
205-99-2	Benzo[b]fluoranthene	43		20	9.8
191-24-2	Benzo[g,h,i]perylene	19	J	32	7.1
207-08-9	Benzo[k]fluoranthene	18		13	5.8
218-01-9	Chrysene	16		14	7.2
53-70-3	Dibenz(a,h)anthracene	32	U	32	6.6
206-44-0	Fluoranthene	41		32	6.4
86-73-7	Fluorene	32	U	32	6.6
193-39-5	Indeno[1,2,3-cd]pyrene	32	U	32	11
90-12-0	1-Methylnaphthalene	64	U	64	7.1
91-57-6	2-Methylnaphthalene	64	U	64	11
91-20-3	Naphthalene	14	J	64	7.1
85-01-8	Phenanthrene	13	U	13	6.3
129-00-0	Pyrene	35		32	5.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	64		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12012.D
 Lab Smp Id: 680-89038-A-22-A Client Smp ID: CV1254B-CS-SP
 Inj Date : 12-APR-2013 14:29
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-22-a
 Misc Info : 680-89038-A-22-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.160	Weight Extracted
M	38.462	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.668	3.669	(1.000)	262749	40.0000	
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	188879	40.0000	
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	364587	40.0000	
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	34583	6.41778	687.9213
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	449388	40.0000	
* 23 Perylene-d12	264		8.792	8.792	(1.000)	430805	40.0000	
2 Naphthalene	128		3.680	3.680	(1.003)	908	0.12784	13.7033(Q)
5 Acenaphthylene	152		4.668	4.669	(0.981)	656	0.08196	8.7857(Q)
15 Fluoranthene	202		6.545	6.551	(1.149)	4491	0.37972	40.7016
16 Pyrene	202		6.715	6.716	(0.880)	4163	0.32563	34.9038
17 Benzo(a)anthracene	228		7.627	7.627	(0.999)	4524	0.35600	38.1597
19 Chrysene	228		7.651	7.657	(1.002)	1822	0.14493	15.5355
20 Benzo(b)fluoranthene	252		8.456	8.457	(0.962)	4372	0.40180	43.0689
21 Benzo(k)fluoranthene	252		8.474	8.480	(0.964)	2075	0.16853	18.0645

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		----	-----	-----	-----	-----	-----
22 Benzo(a)pyrene	252		8.733	8.739	(0.993)	3097	0.27535	29.5146
26 Benzo(g,h,i)perylene	276		10.250	10.256	(1.166)	1879	0.17823	19.1047(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

M - Compound response manually integrated.

Data File: 1CD12012.D

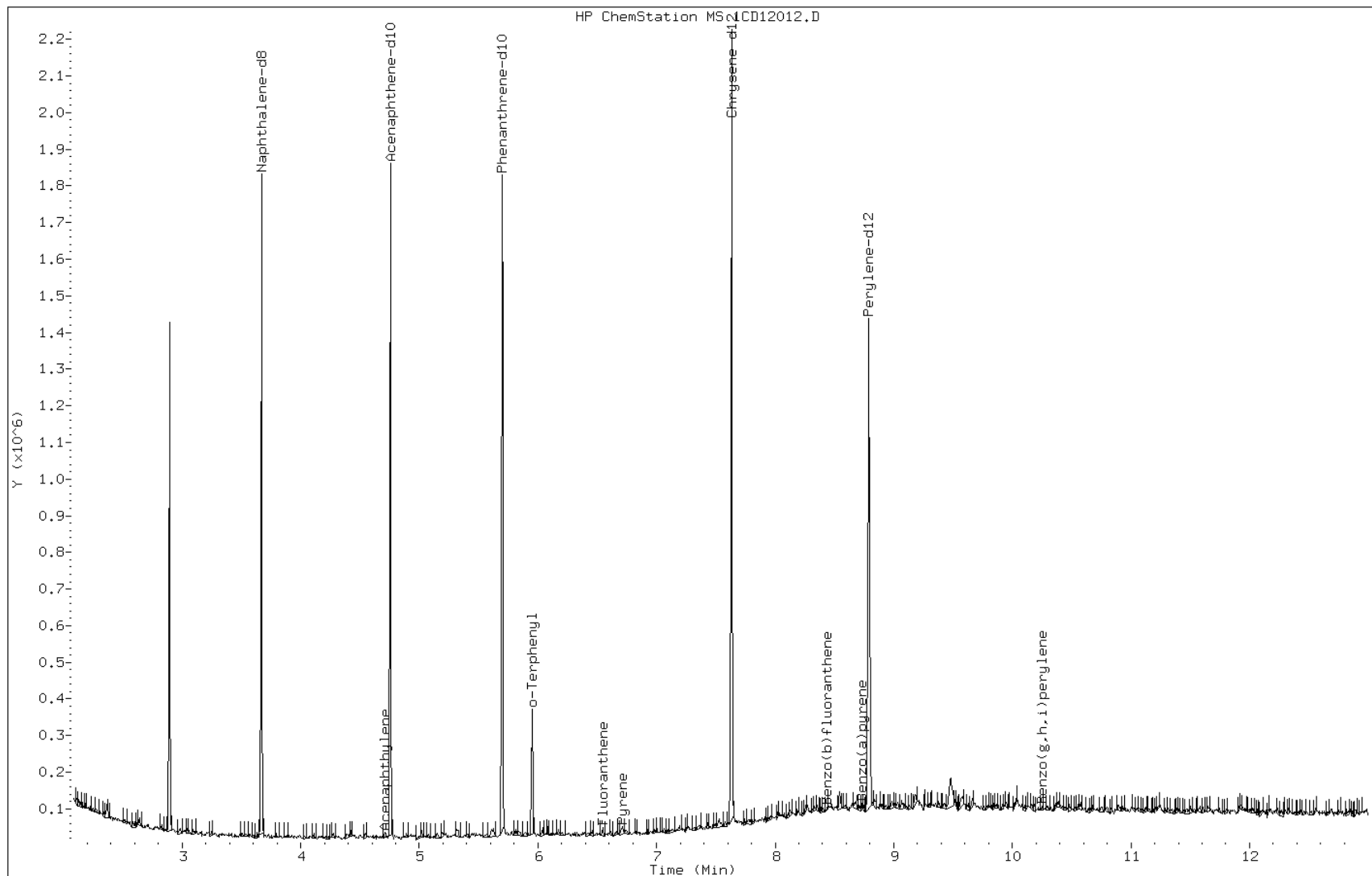
Date: 12-APR-2013 14:29

Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

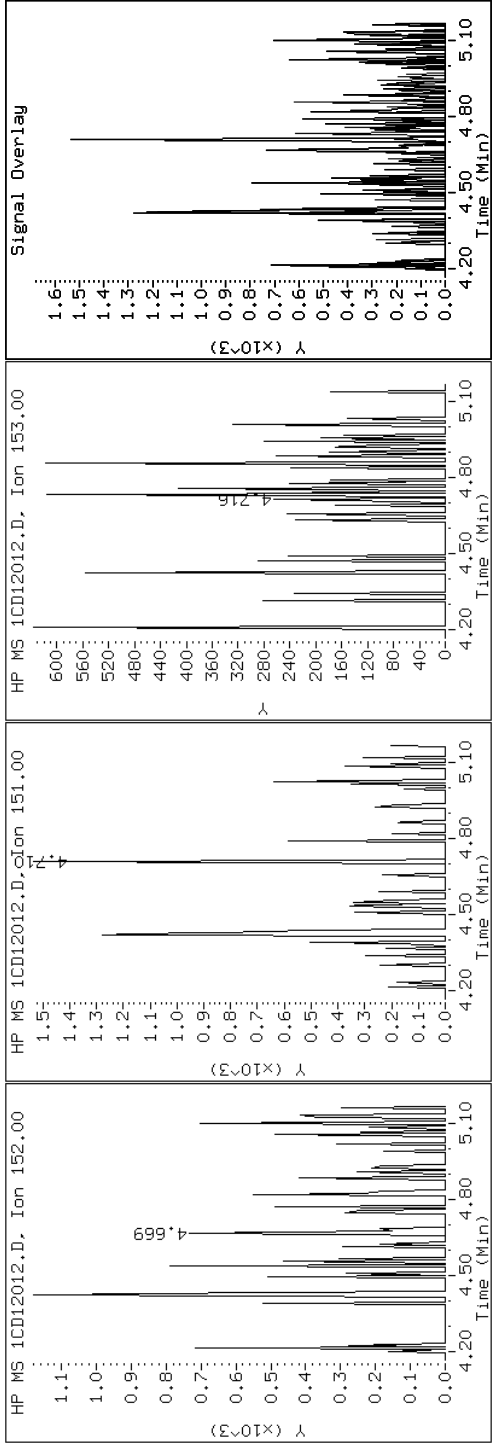
Client ID: CVI254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

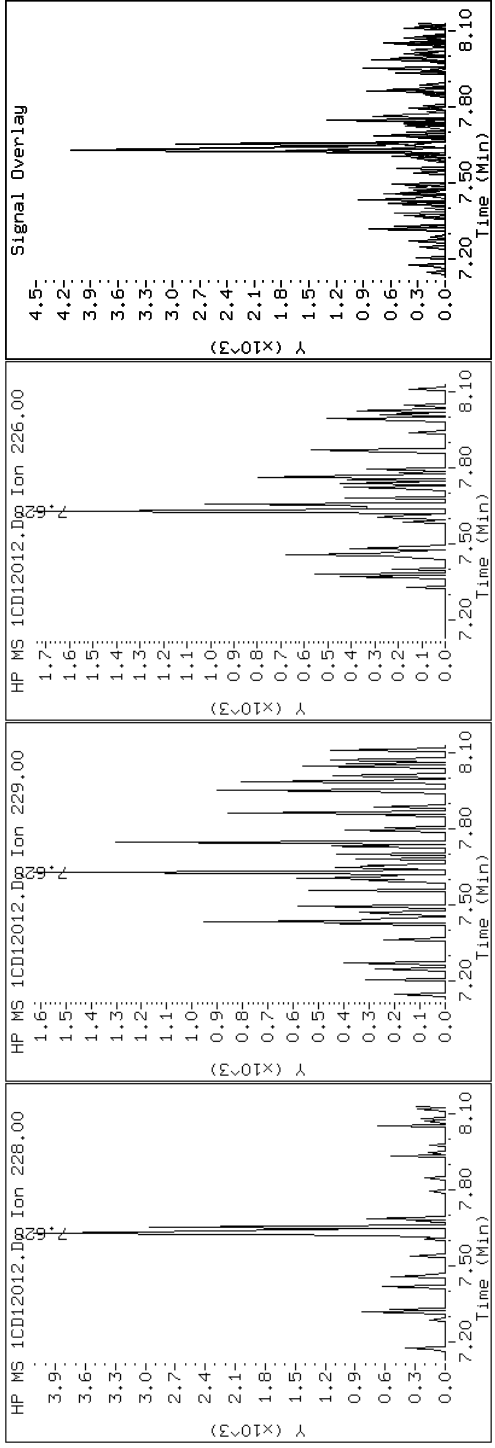
Client ID: CVI254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

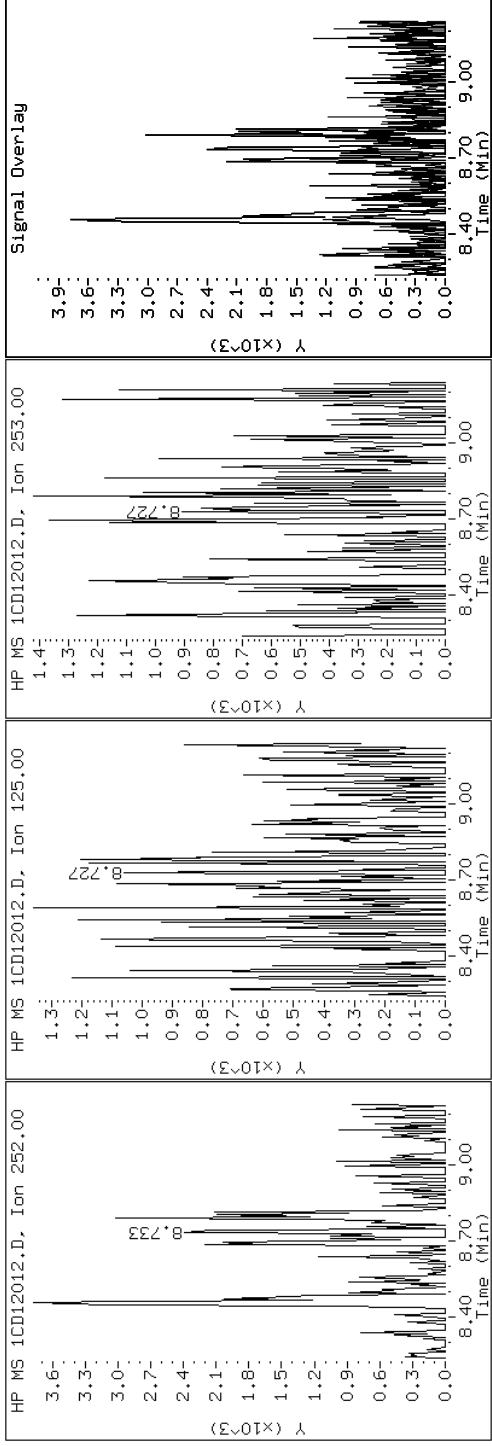
Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

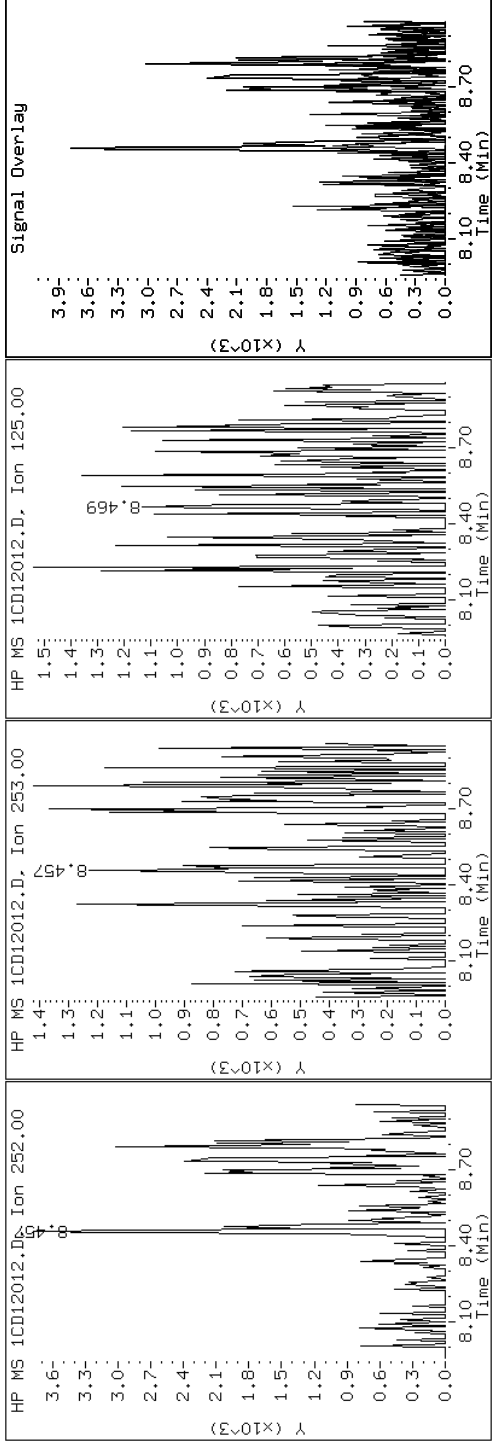
Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

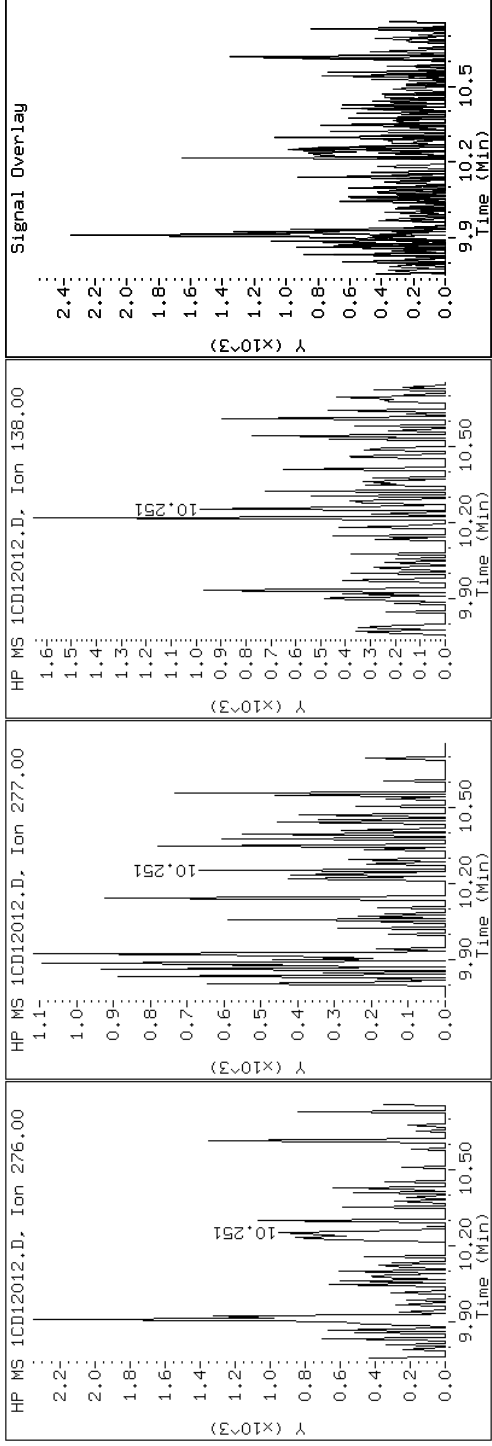
Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

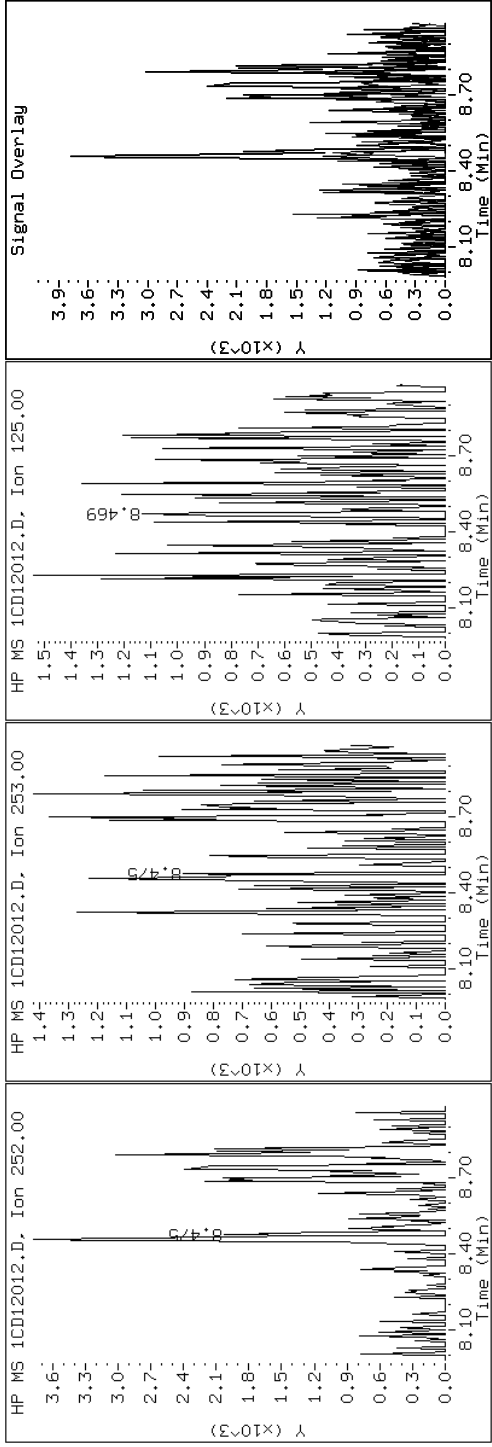
Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

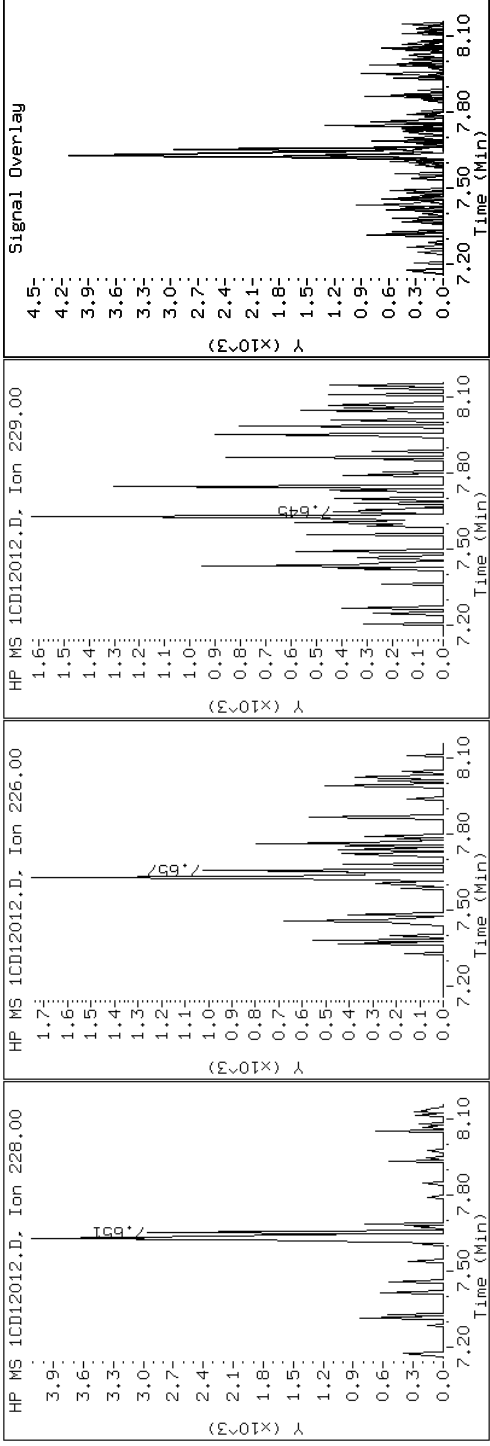
Client ID: CVI254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

19 Chrysene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

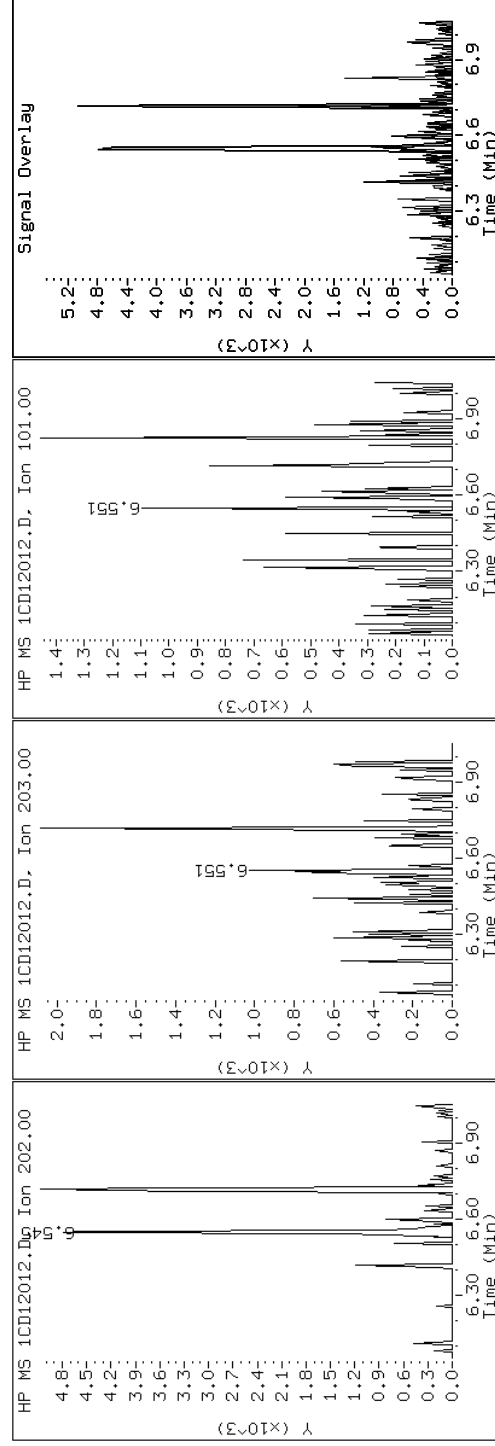
Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

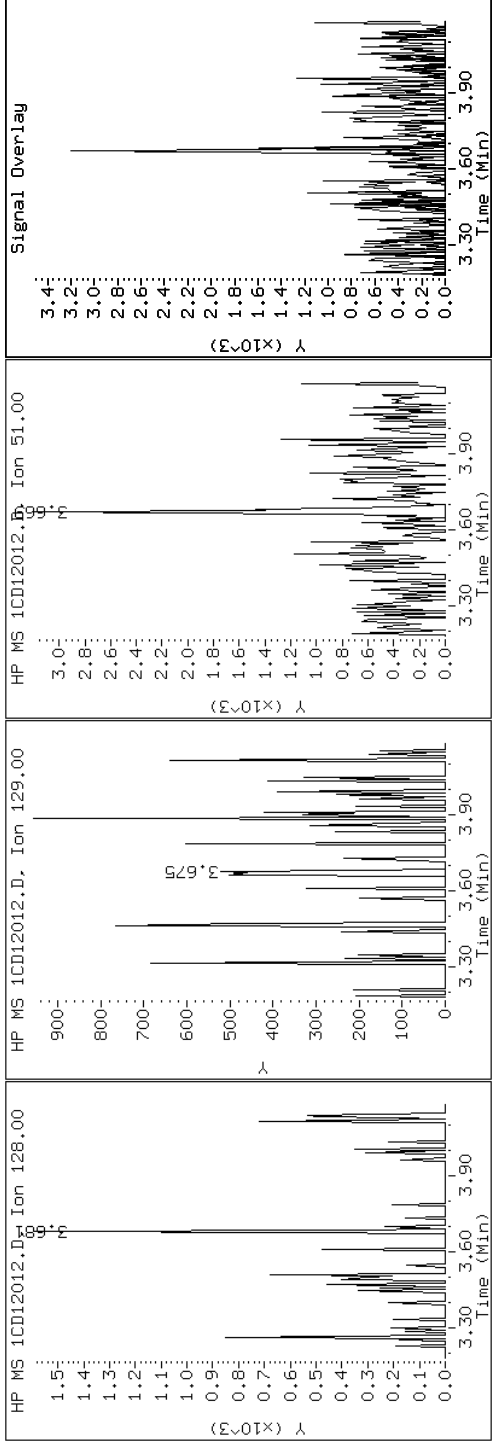
Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

2 Naphthalene



Data File: 1CD12012.D

Date: 12-APR-2013 14:29

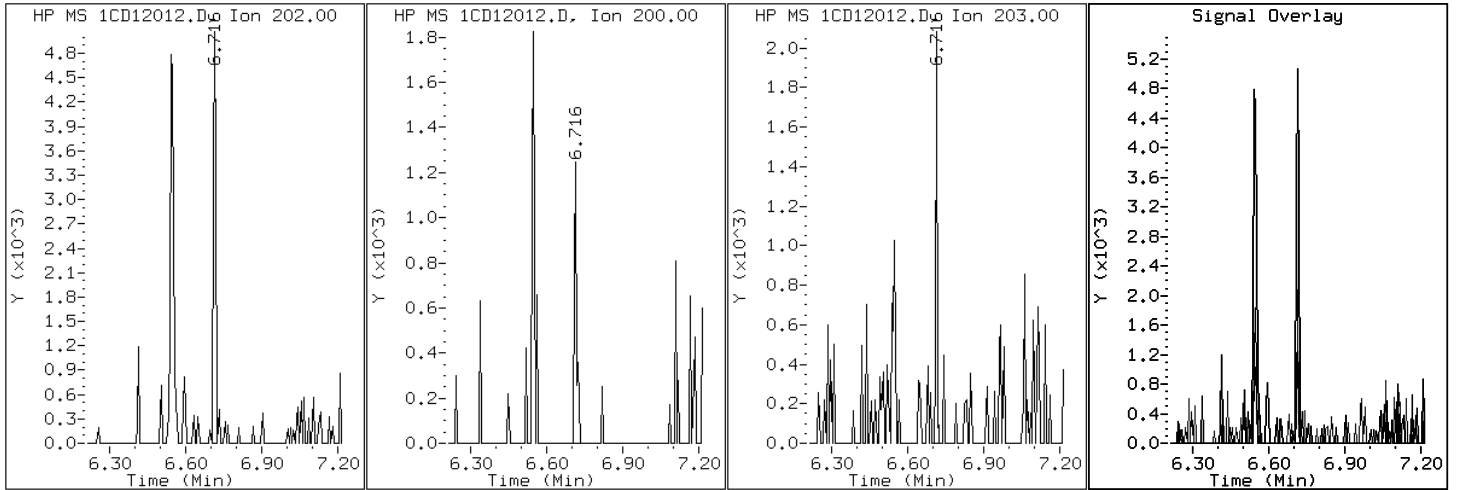
Client ID: CV1254B-CS-SP

Instrument: BSMC5973.i

Sample Info: 680-89038-a-22-a

Operator: SCC

16 Pyrene

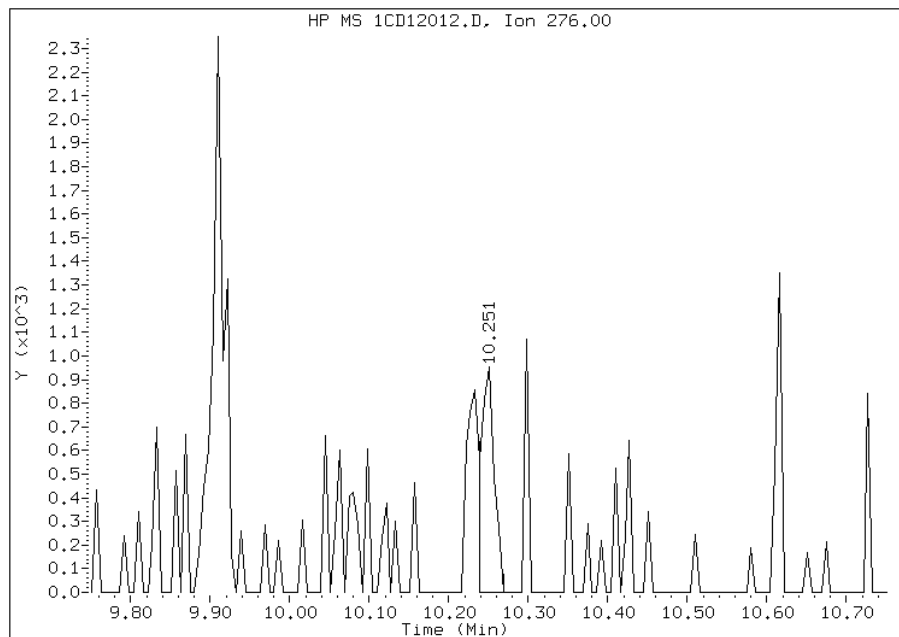


Manual Integration Report

Data File: 1CD12012.D
Inj. Date and Time: 12-APR-2013 14:29
Instrument ID: BSMC5973.i
Client ID: CV1254B-CS-SP
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

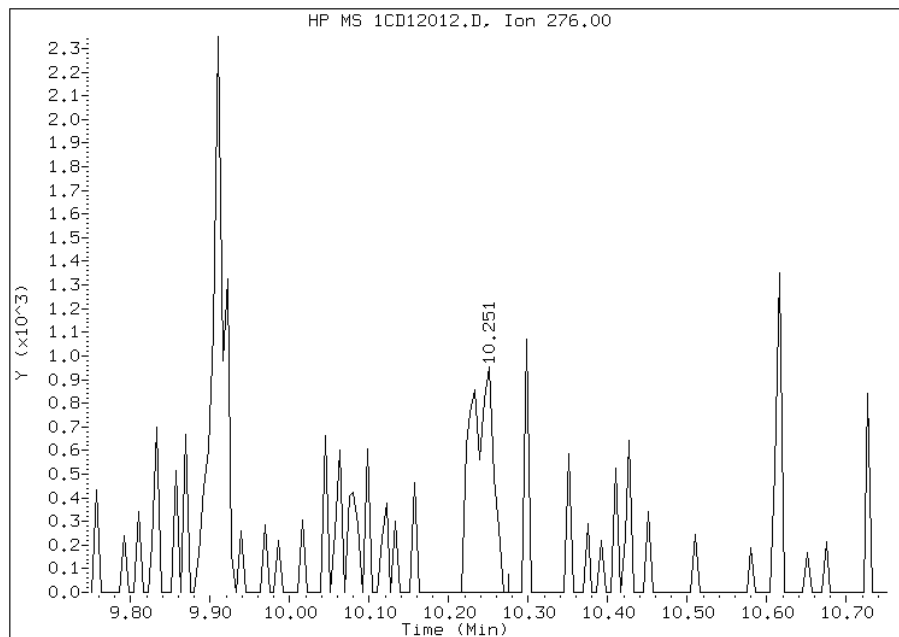
Processing Integration Results

RT: 10.25
Response: 1090
Amount: 0
Conc: 11



Manual Integration Results

RT: 10.25
Response: 1879
Amount: 0
Conc: 19



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 10:43
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV Ditch-Grab Lab Sample ID: 680-89038-23
 Matrix: Solid Lab File ID: 1CD12013.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 13:05
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.33(g) Date Analyzed: 04/12/2013 14:47
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 36.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	620	U	620	120
208-96-8	Acenaphthylene	250	U	250	31
120-12-7	Anthracene	52	U	52	26
56-55-3	Benzo[a]anthracene	49	U	49	24
50-32-8	Benzo[a]pyrene	180		64	32
205-99-2	Benzo[b]fluoranthene	160		75	38
191-24-2	Benzo[g,h,i]perylene	250		120	27
207-08-9	Benzo[k]fluoranthene	36	J	49	22
218-01-9	Chrysene	79		55	28
53-70-3	Dibenz(a,h)anthracene	300		120	25
206-44-0	Fluoranthene	130		120	25
86-73-7	Fluorene	120	U	120	25
193-39-5	Indeno[1,2,3-cd]pyrene	120	U	120	44
90-12-0	1-Methylnaphthalene	250	U	250	27
91-57-6	2-Methylnaphthalene	250	U	250	44
91-20-3	Naphthalene	250	U	250	27
85-01-8	Phenanthrene	49	U	49	24
129-00-0	Pyrene	52	J	120	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	80		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12013.D
 Lab Smp Id: 680-89038-A-23-A Client Smp ID: CV Ditch-Grab
 Inj Date : 12-APR-2013 14:47
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-23-a
 Misc Info : 680-89038-A-23-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 13
 Dil Factor: 4.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	4.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.330	Weight Extracted
M	36.468	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	266683	40.0000	
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	186721	40.0000	
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	344053	40.0000	
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	7450	1.99728	820.2867
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	417238	40.0000	
* 23 Perylene-d12	264		8.792	8.792	(1.000)	399223	40.0000	
13 Carbazole	167		5.863	5.857	(1.029)	921	0.09901	40.6617
15 Fluoranthene	202		6.545	6.551	(1.149)	3483	0.31206	128.1657
16 Pyrene	202		6.715	6.716	(0.880)	1495	0.12595	51.7271(Q)
19 Chrysene	228		7.651	7.657	(1.002)	2246	0.19243	79.0311
20 Benzo(b)fluoranthene	252		8.456	8.457	(0.962)	3850	0.38182	156.8134(M)
21 Benzo(k)fluoranthene	252		8.480	8.480	(0.965)	1008	0.08834	36.2833(QM)
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	4541	0.43567	178.9311
25 Dibenzo(a,h)anthracene	278		9.921	9.933	(1.128)	2819	0.72278	296.8466

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
26 Benzo(g,h,i)perylene	276	10.250	10.256	(1.166)	5891	0.60300	247.6525(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CD12013.D

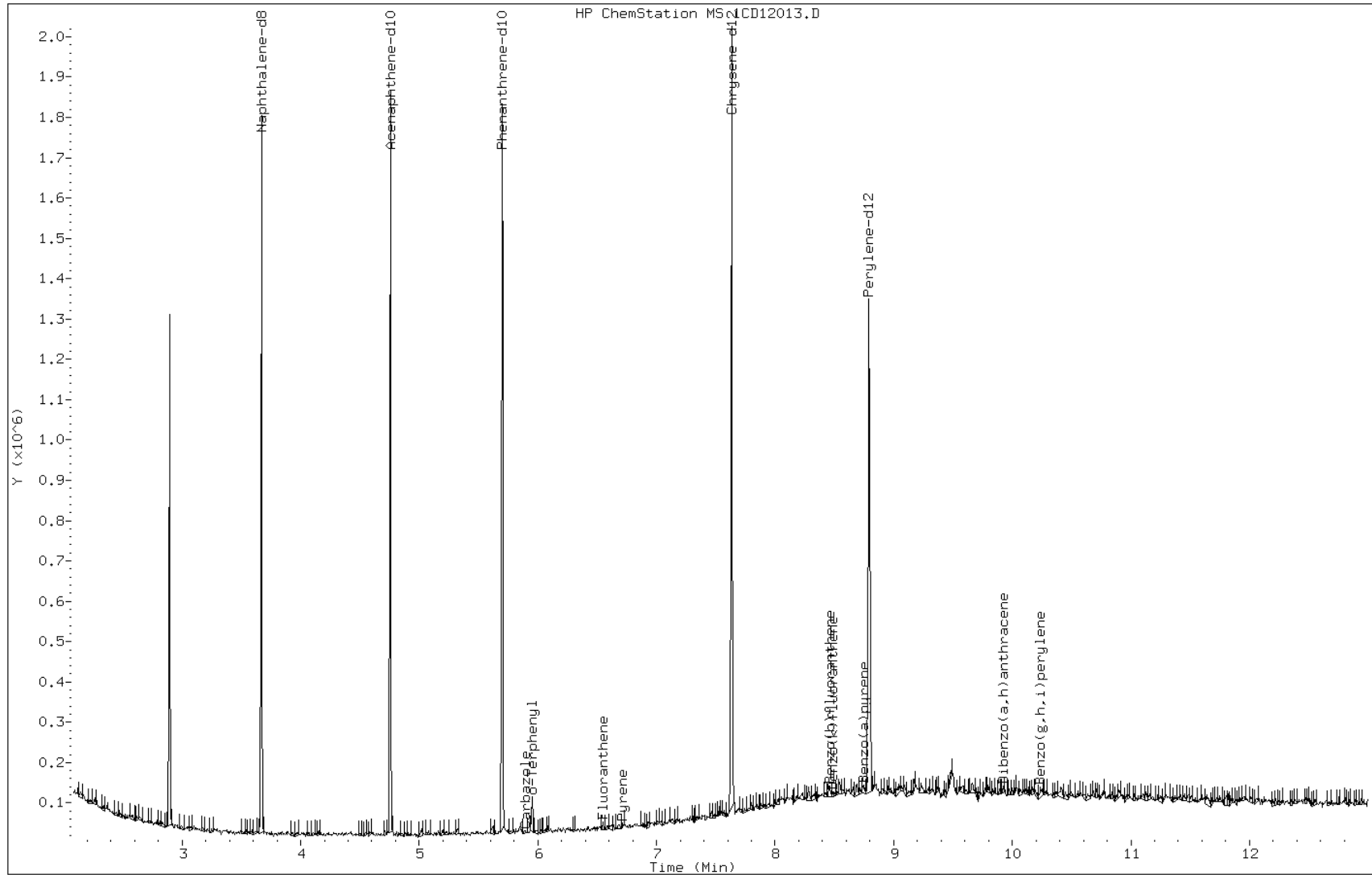
Date: 12-APR-2013 14:47

Client ID: CV Ditch-Grab

Sample Info: 680-89038-a-23-a

Instrument: BSMC5973.i

Operator: SCC



Data File: 1CD12013.D

Date: 12-APR-2013 14:47

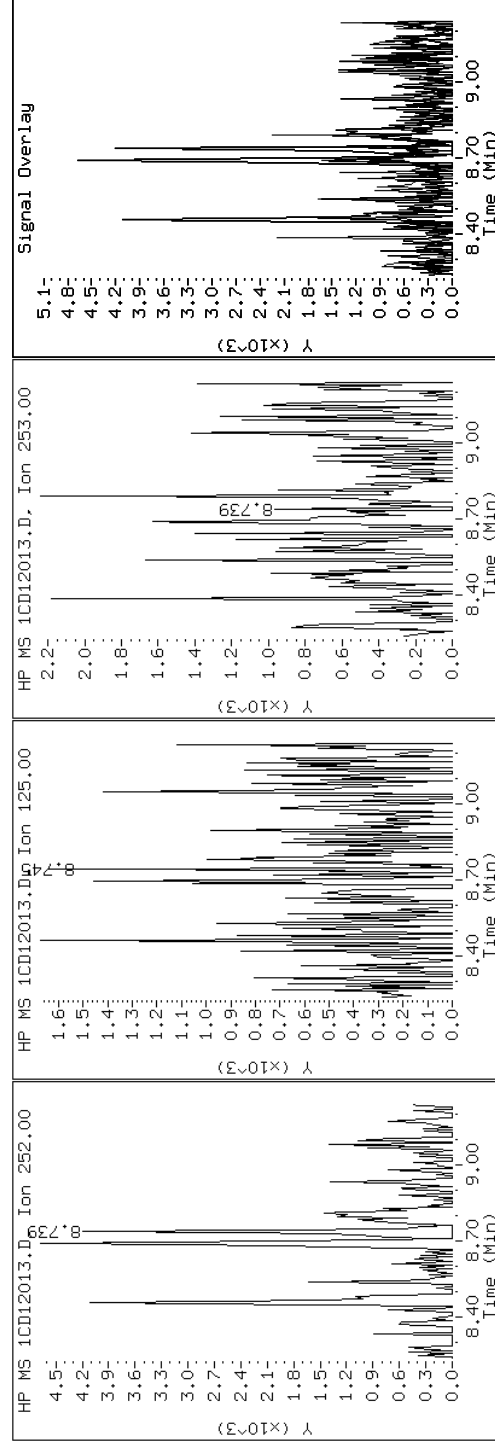
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12013.D

Date: 12-APR-2013 14:47

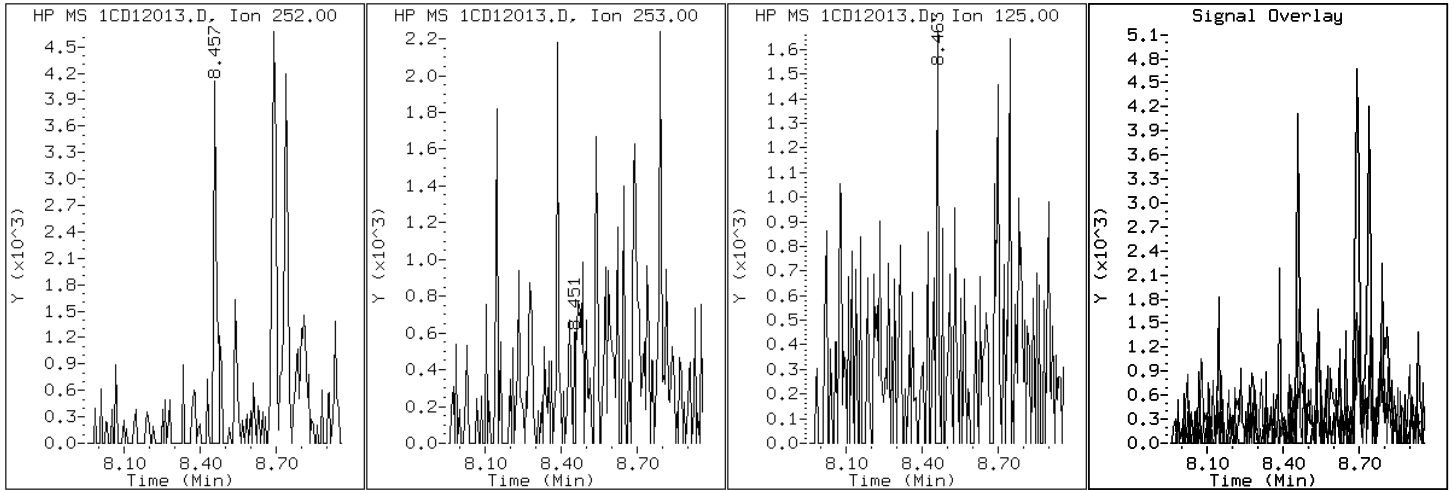
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CDI2013.D

Date: 12-APR-2013 14:47

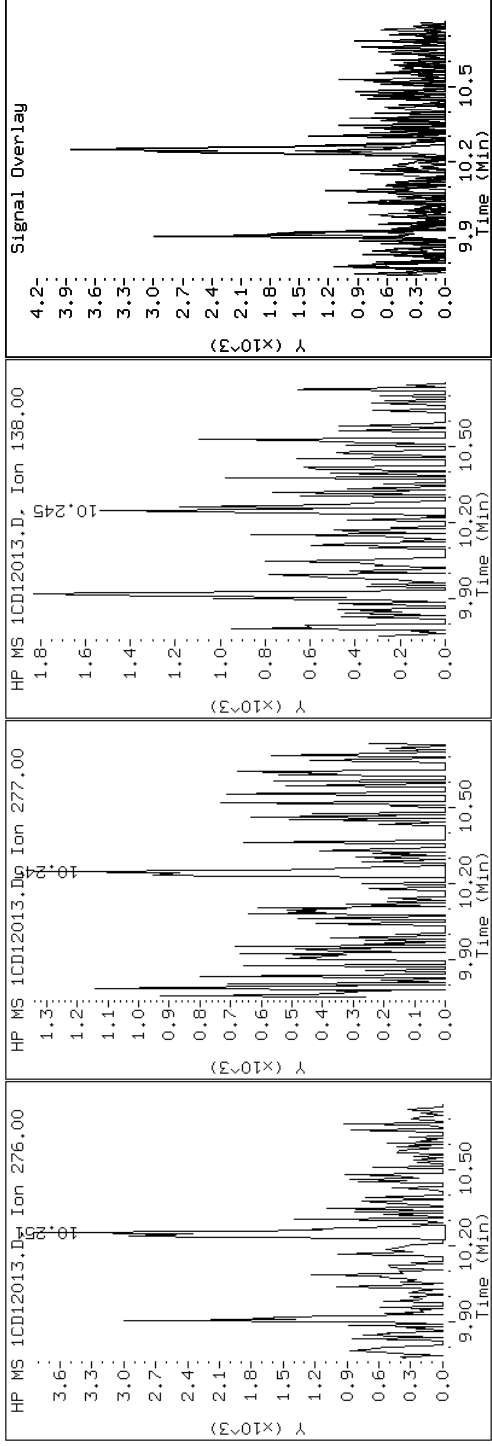
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12013.D

Date: 12-APR-2013 14:47

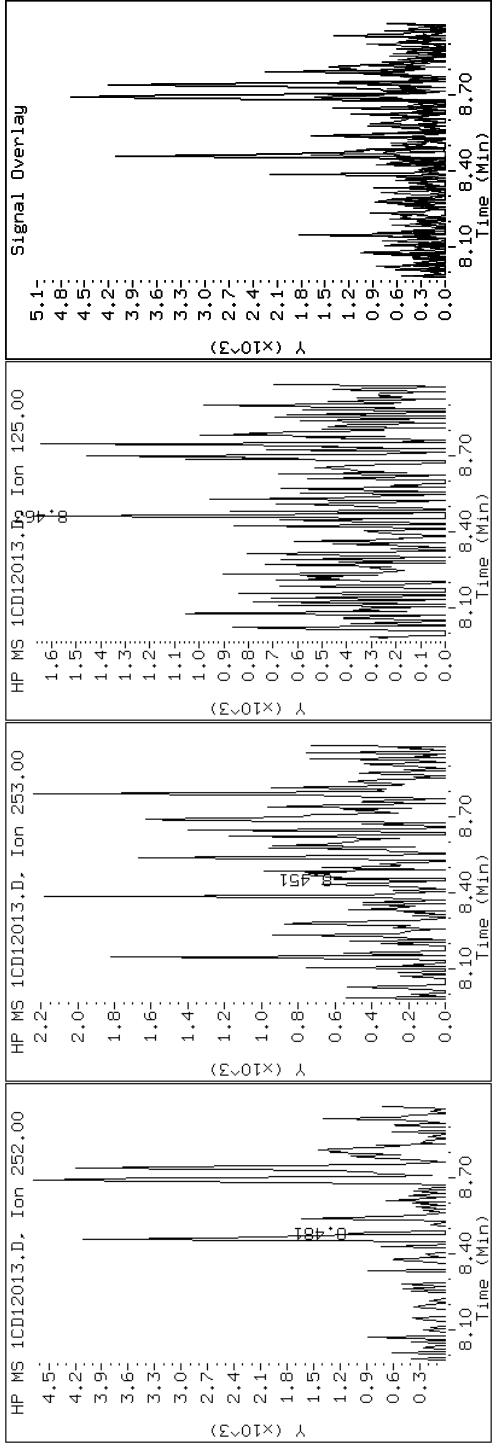
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12013.D

Date: 12-APR-2013 14:47

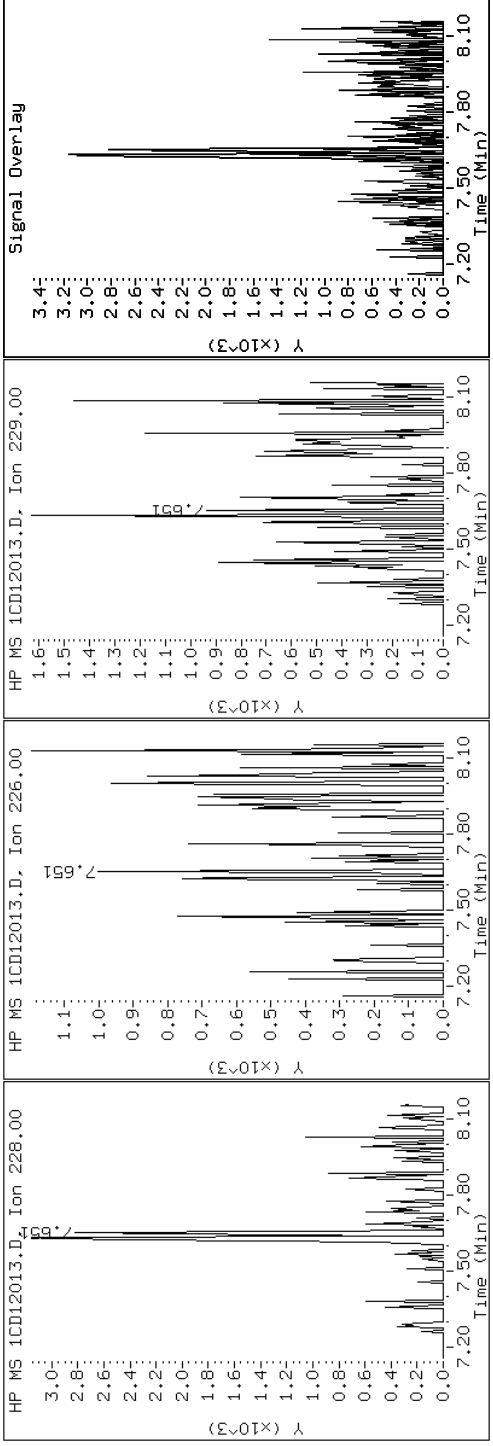
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

19 Chrysene



Data File: 1CD12013.D

Date: 12-APR-2013 14:47

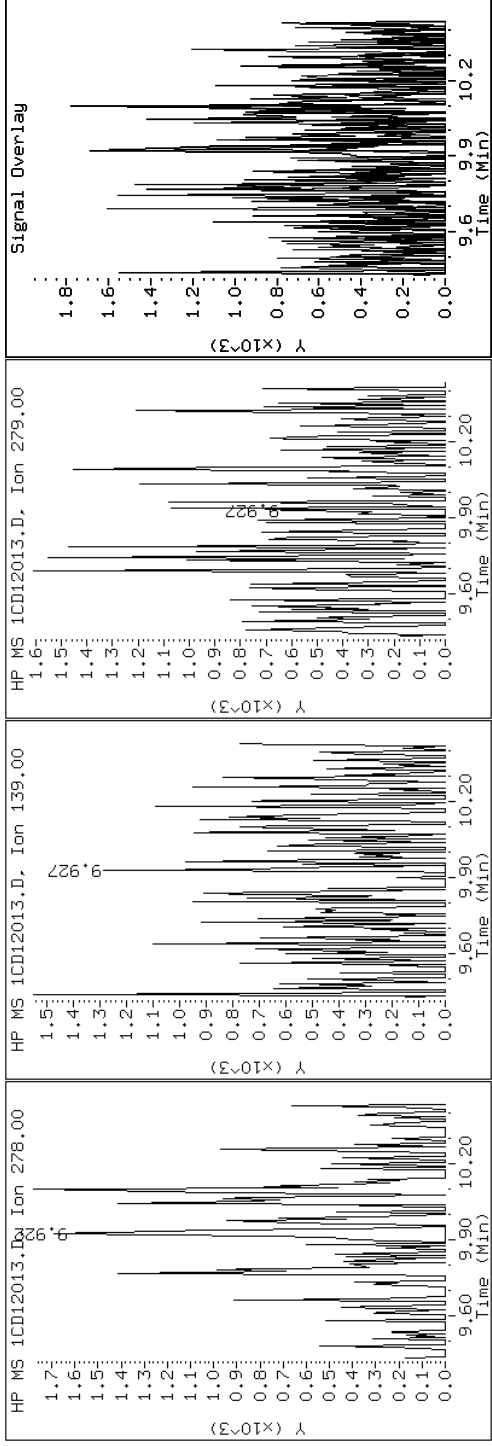
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

25 Dibenzo(a,h)anthracene



Data File: 1CD12013.D

Date: 12-APR-2013 14:47

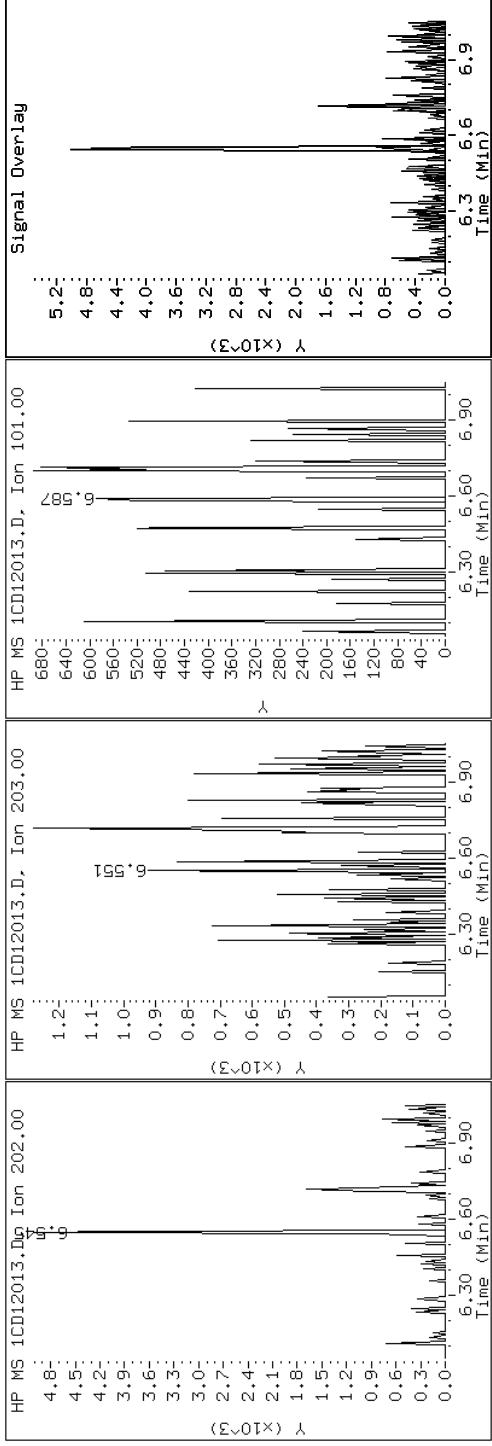
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12013.D

Date: 12-APR-2013 14:47

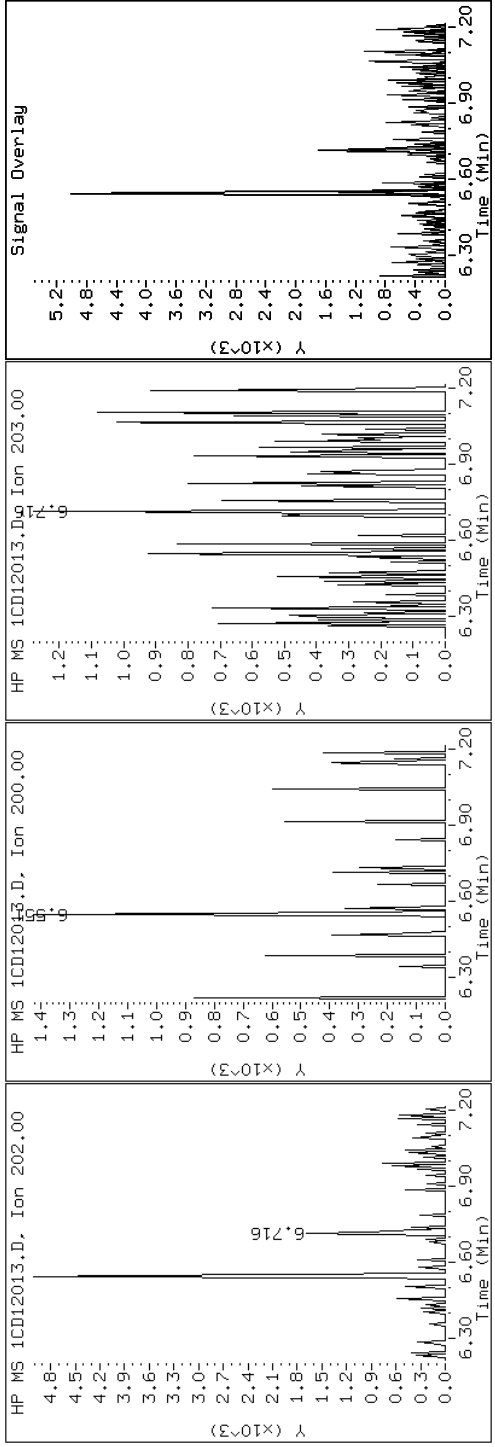
Client ID: CV Ditch-Grab

Instrument: BSMC5973.i

Sample Info: 680-89038-a-23-a

Operator: SCC

16 Pyrene

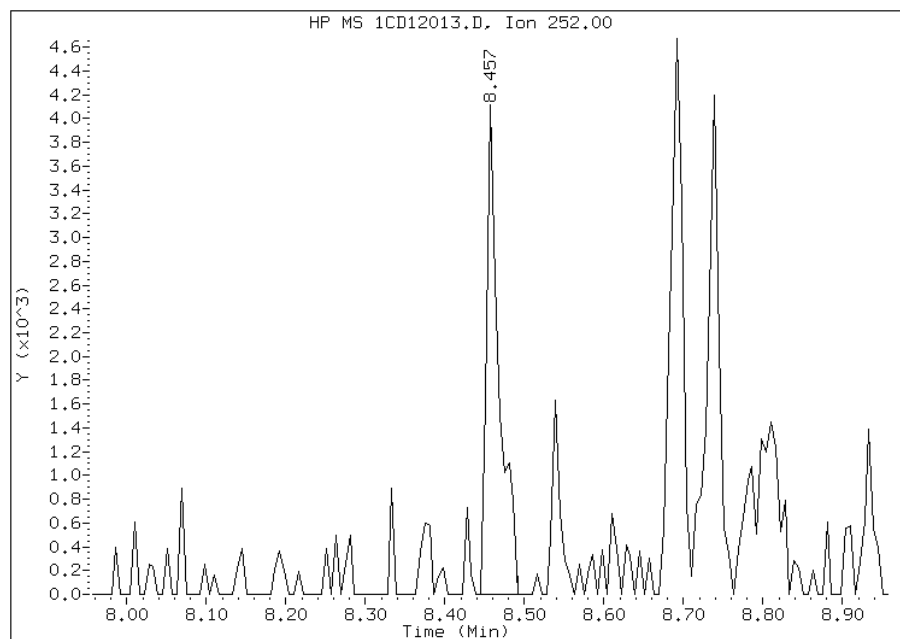


Manual Integration Report

Data File: 1CD12013.D
Inj. Date and Time: 12-APR-2013 14:47
Instrument ID: BSMC5973.i
Client ID: CV Ditch-Grab
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/15/2013

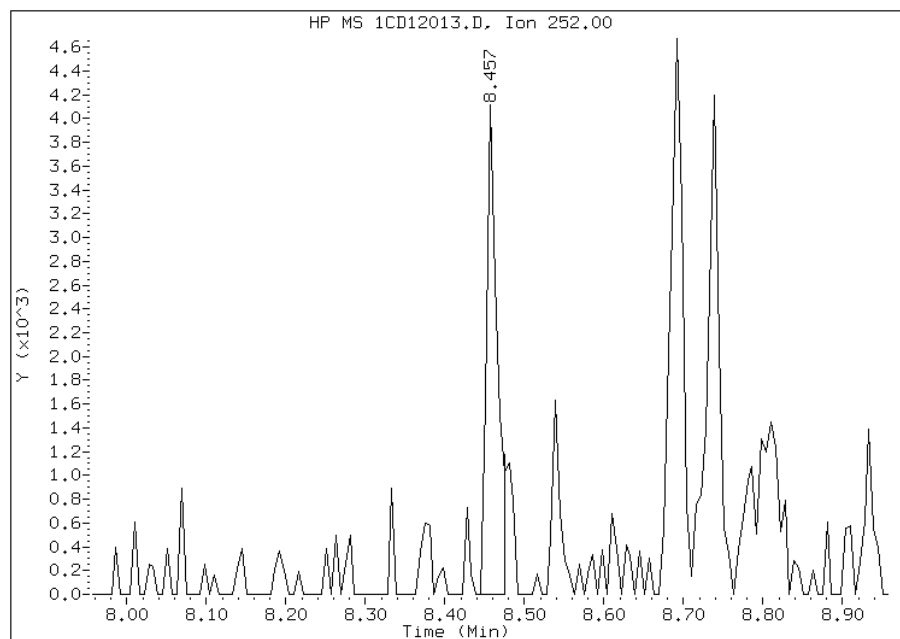
Processing Integration Results

RT: 8.46
Response: 4513
Amount: 0
Conc: 184



Manual Integration Results

RT: 8.46
Response: 3850
Amount: 0
Conc: 157



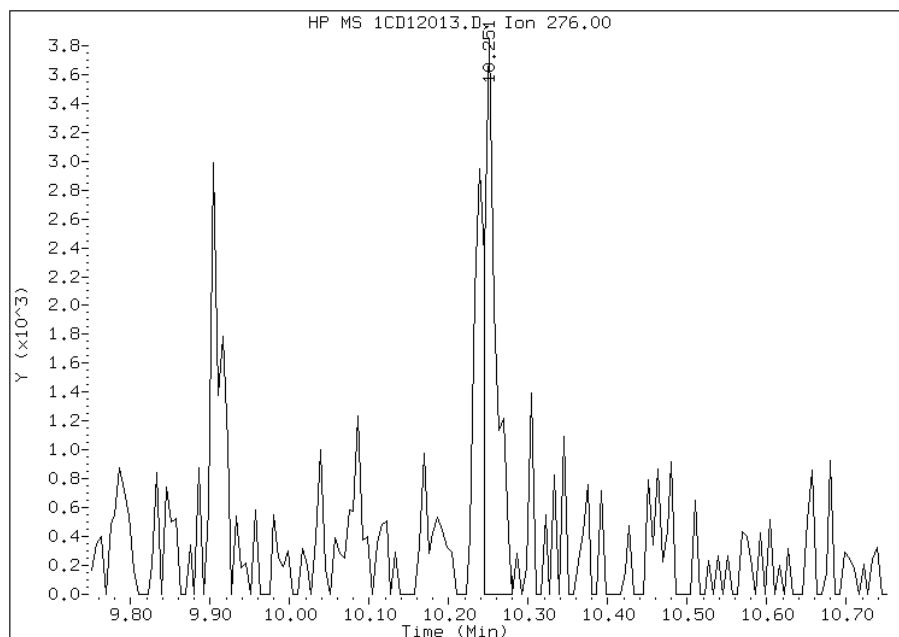
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 10:45
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD12013.D
Inj. Date and Time: 12-APR-2013 14:47
Instrument ID: BSMC5973.i
Client ID: CV Ditch-Grab
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

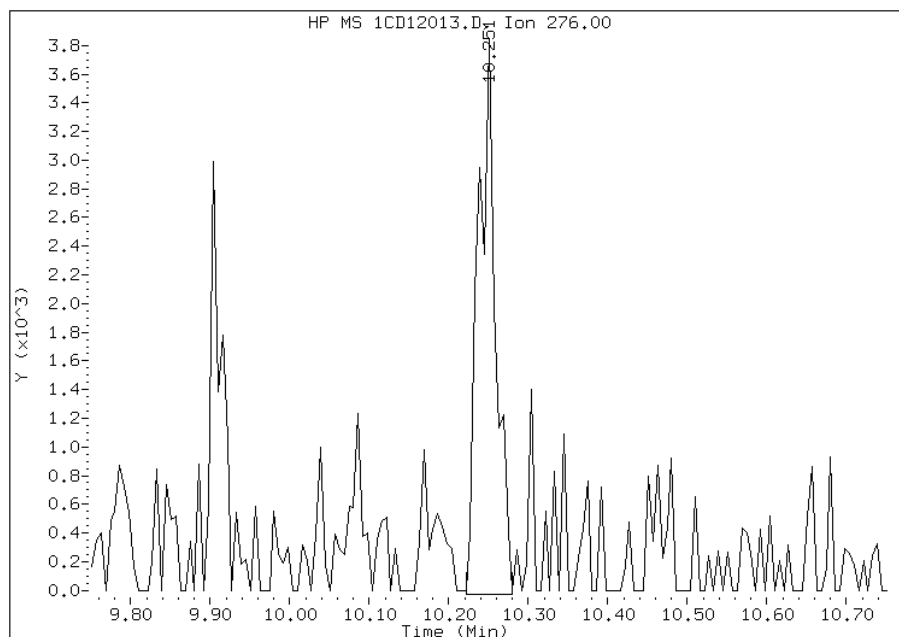
Processing Integration Results

RT: 10.25
Response: 3860
Amount: 0
Conc: 162



Manual Integration Results

RT: 10.25
Response: 5891
Amount: 1
Conc: 248



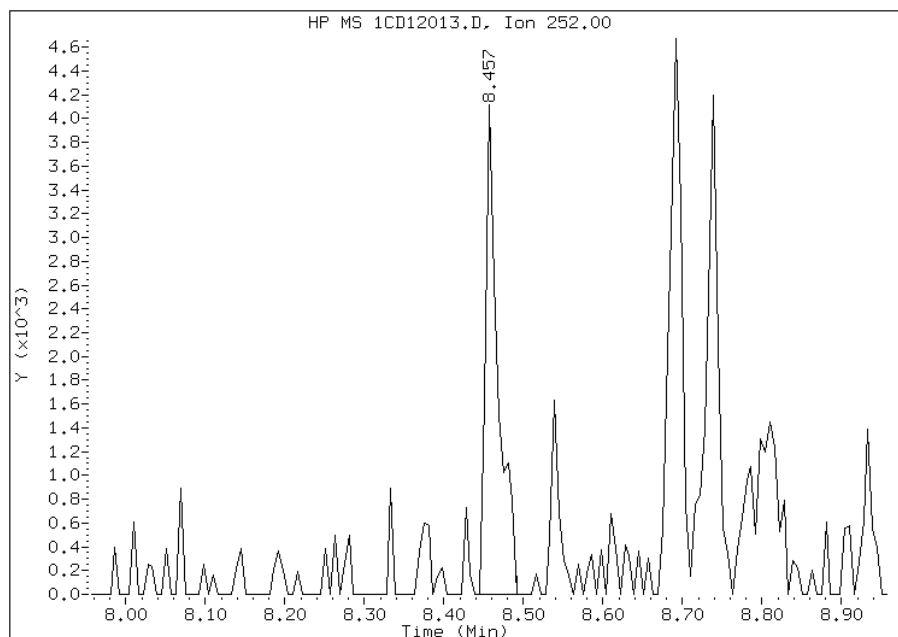
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 10:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD12013.D
Inj. Date and Time: 12-APR-2013 14:47
Instrument ID: BSMC5973.i
Client ID: CV Ditch-Grab
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/15/2013

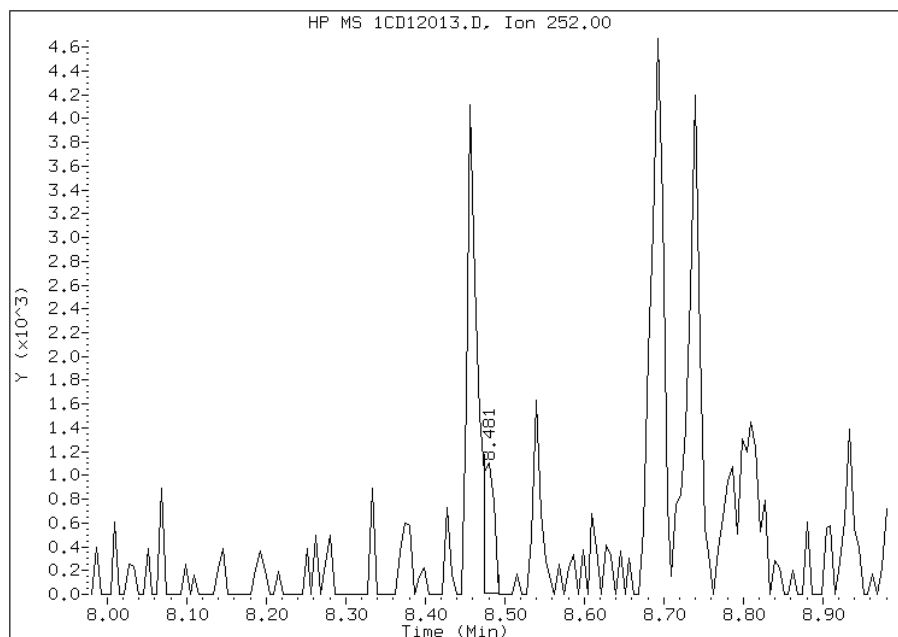
Processing Integration Results

RT: 8.46
Response: 4513
Amount: 0
Conc: 162



Manual Integration Results

RT: 8.48
Response: 1008
Amount: 0
Conc: 36



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 10:45
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV0332A-CS Lab Sample ID: 680-89038-24
 Matrix: Solid Lab File ID: 1CD12014.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 14:20
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.15(g) Date Analyzed: 04/12/2013 15:06
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 40.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	170	U	170	33
208-96-8	Acenaphthylene	10	J	66	8.3
120-12-7	Anthracene	14	U	14	6.9
56-55-3	Benzo[a]anthracene	47		13	6.4
50-32-8	Benzo[a]pyrene	17		17	8.6
205-99-2	Benzo[b]fluoranthene	26		20	10
191-24-2	Benzo[g,h,i]perylene	28	J	33	7.3
207-08-9	Benzo[k]fluoranthene	17		13	5.9
218-01-9	Chrysene	35		15	7.4
53-70-3	Dibenz(a,h)anthracene	33	U	33	6.8
206-44-0	Fluoranthene	39		33	6.6
86-73-7	Fluorene	33	U	33	6.8
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	33	12
90-12-0	1-Methylnaphthalene	66	U	66	7.3
91-57-6	2-Methylnaphthalene	66	U	66	12
91-20-3	Naphthalene	16	J	66	7.3
85-01-8	Phenanthrene	13	U	13	6.4
129-00-0	Pyrene	31	J	33	6.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	56		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12014.D
 Lab Smp Id: 680-89038-A-24-A Client Smp ID: CV0332A-CS
 Inj Date : 12-APR-2013 15:06
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-24-a
 Misc Info : 680-89038-A-24-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 14
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.150	Weight Extracted
M	40.000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	269388	40.0000		
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	190329	40.0000		
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	362057	40.0000		
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	29572	5.62201	618.4831	
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	421113	40.0000		
* 23 Perylene-d12	264		8.792	8.792	(1.000)	424625	40.0000		
2 Naphthalene	128		3.680	3.680	(1.003)	1026	0.14090	15.5000(Q)	
5 Acenaphthylene	152		4.669	4.669	(0.981)	754	0.09349	10.2850(Q)	
15 Fluoranthene	202		6.551	6.551	(1.150)	4179	0.35580	39.1424	
16 Pyrene	202		6.715	6.716	(0.880)	3377	0.28188	31.0100	
17 Benzo(a)anthracene	228		7.627	7.627	(0.999)	5095	0.42785	47.0687	
19 Chrysene	228		7.651	7.657	(1.002)	3777	0.32062	35.2719	
20 Benzo(b)fluoranthene	252		8.462	8.457	(0.963)	2581	0.24065	26.4745	
21 Benzo(k)fluoranthene	252		8.474	8.480	(0.964)	1855	0.15285	16.8154(Q)	

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		----	-----	-----	-----	-----	-----
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	1708	0.15407	16.9488(Q)
26 Benzo(g,h,i)perylene	276		10.245	10.256	(1.165)	2629	0.25300	27.8331(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

M - Compound response manually integrated.

Data File: 1CD12014.D

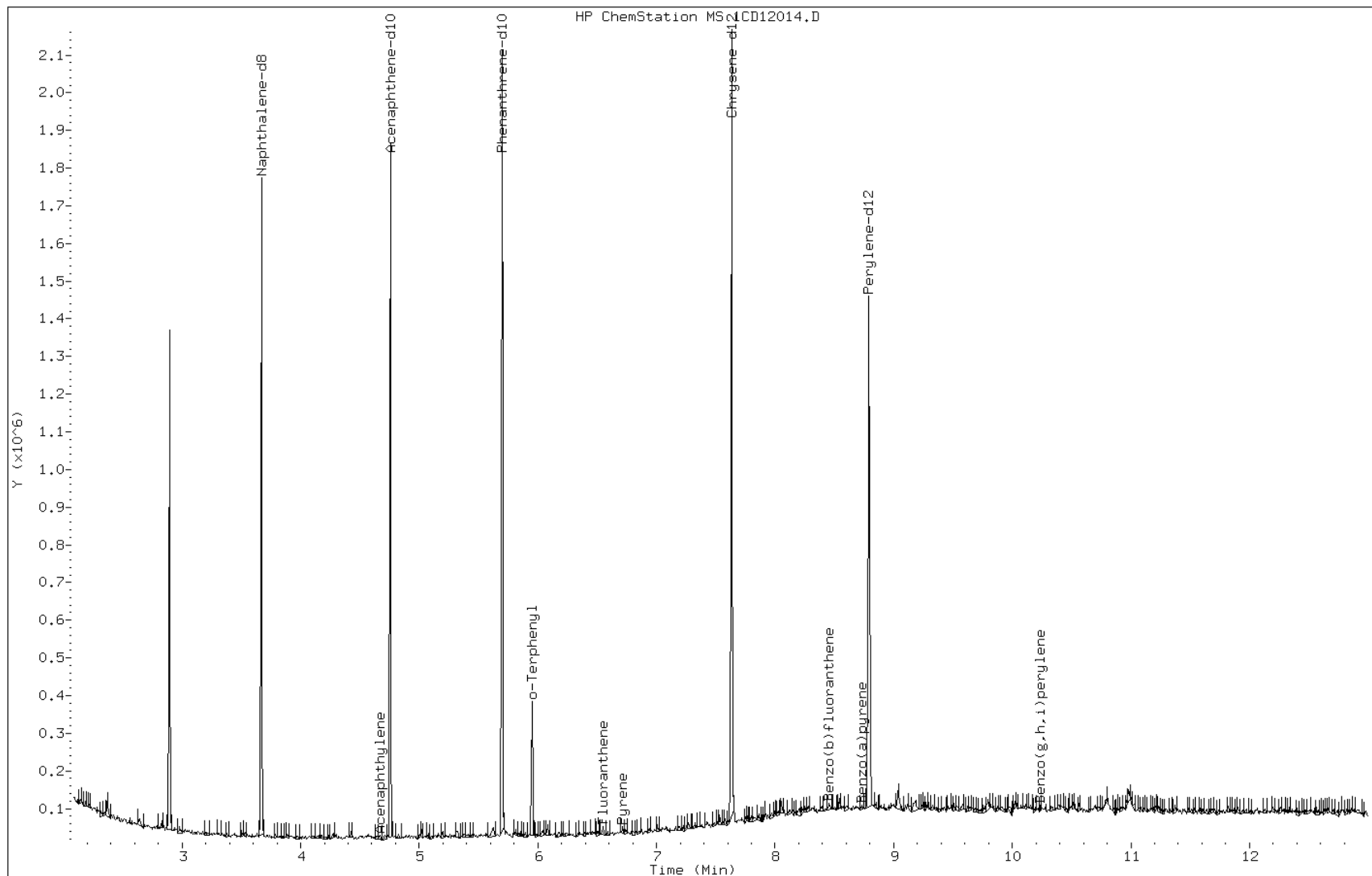
Date: 12-APR-2013 15:06

Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

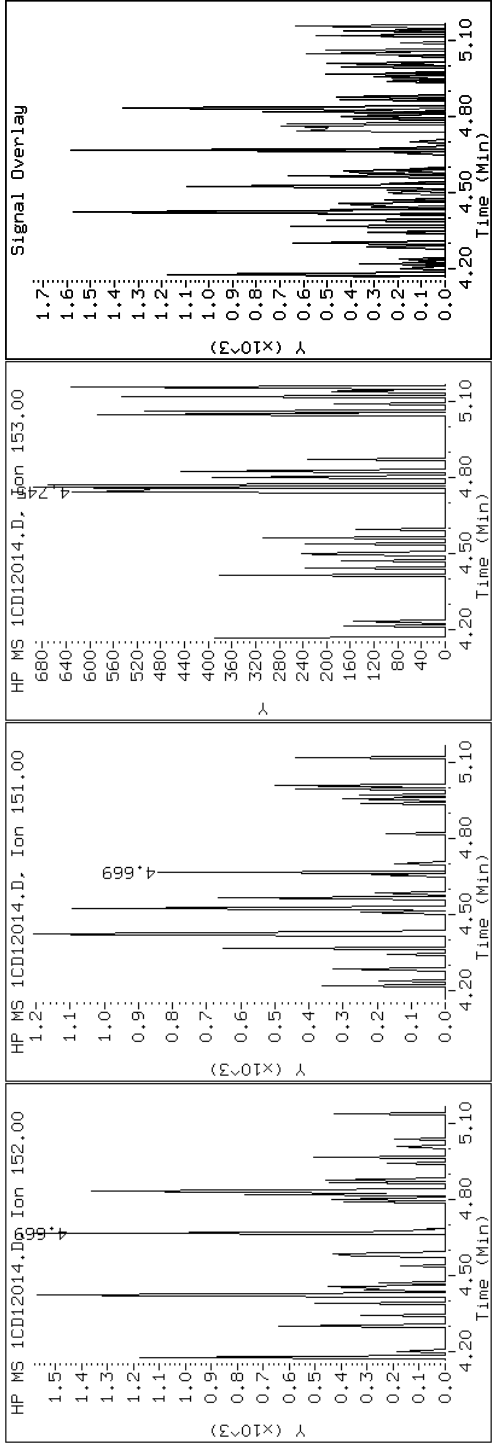
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

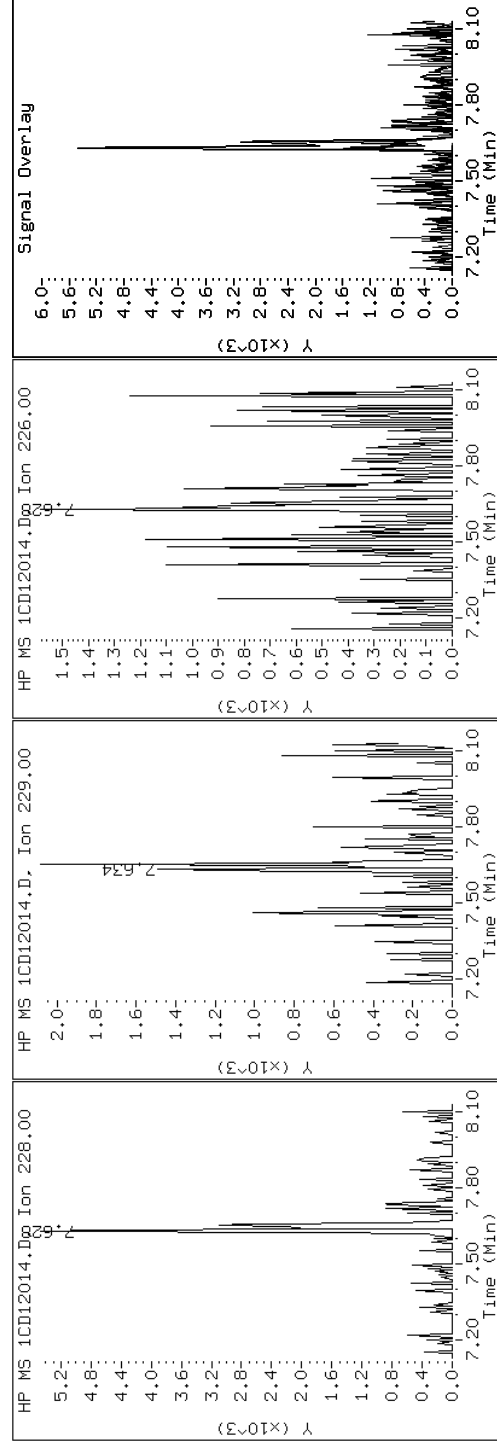
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

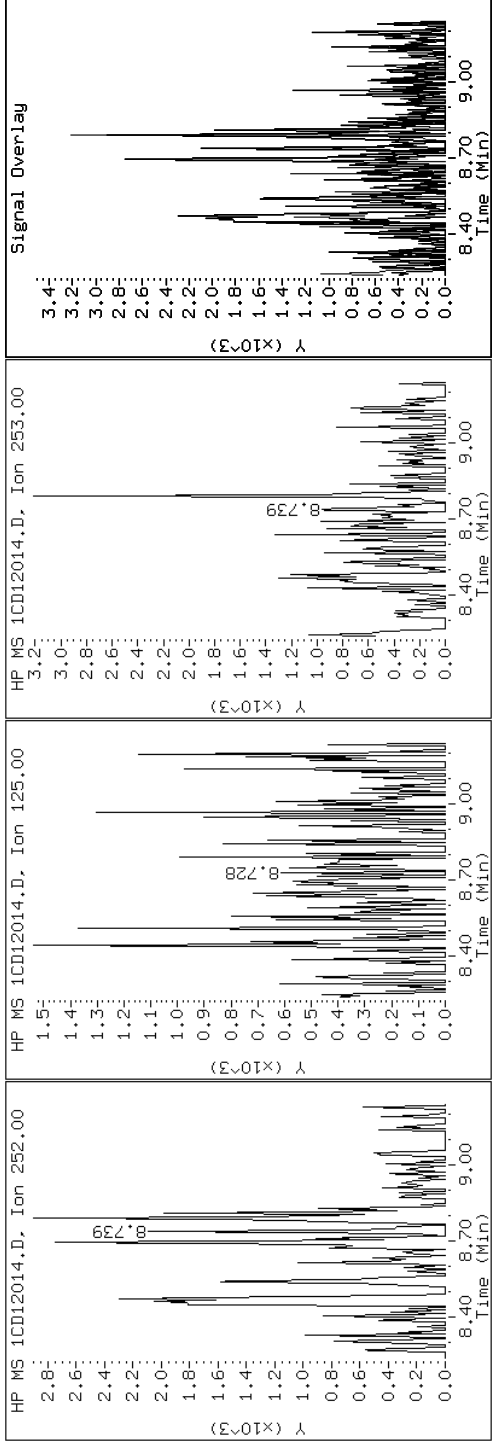
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

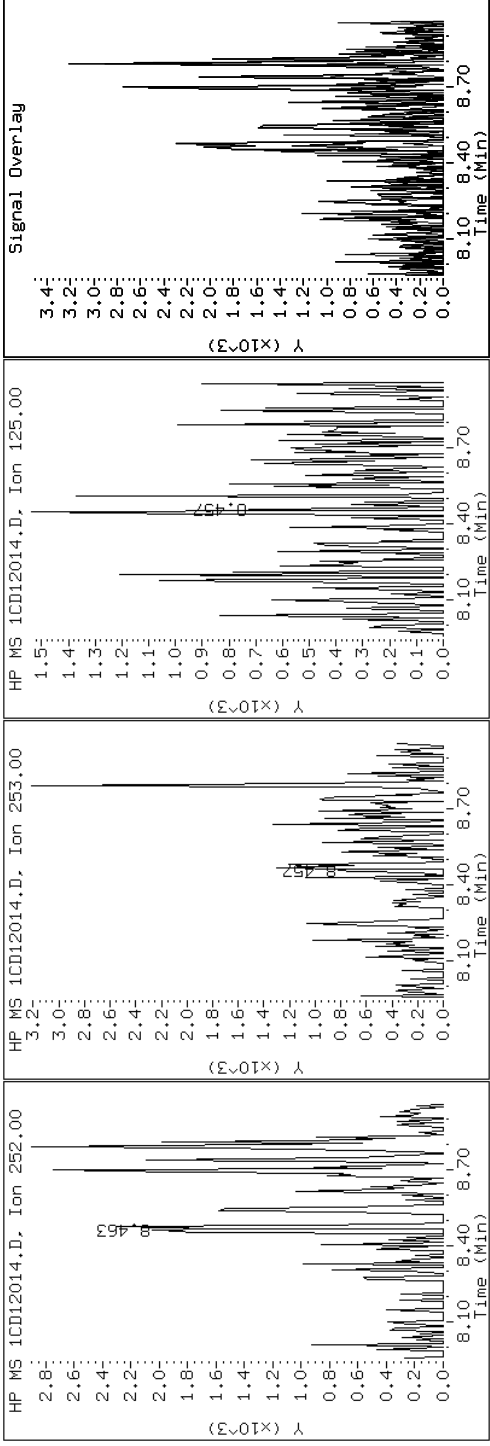
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

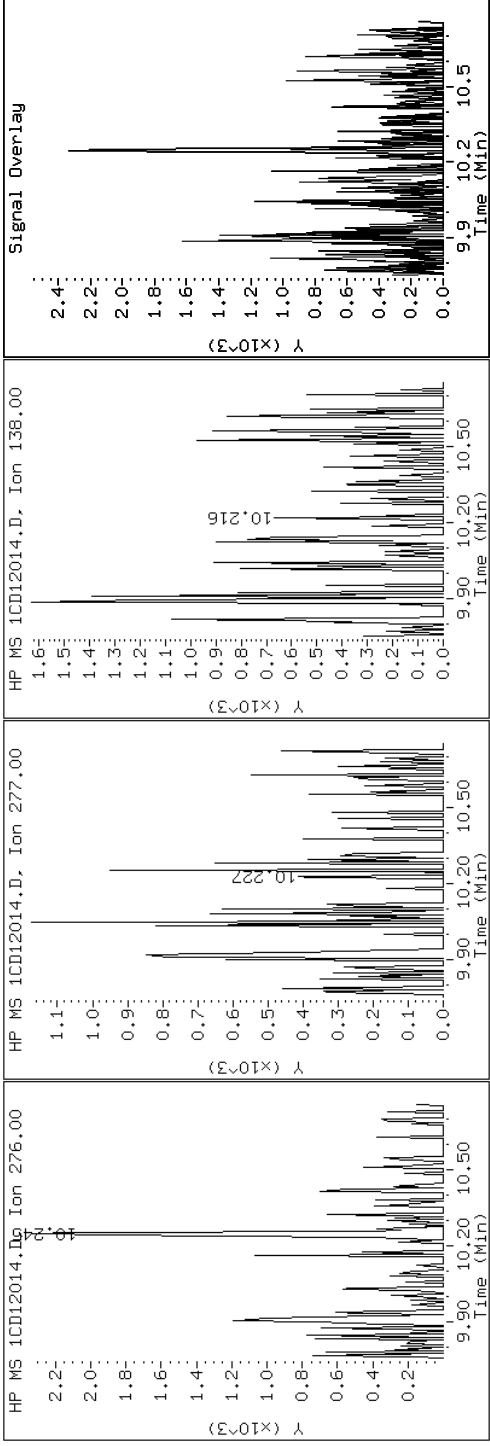
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

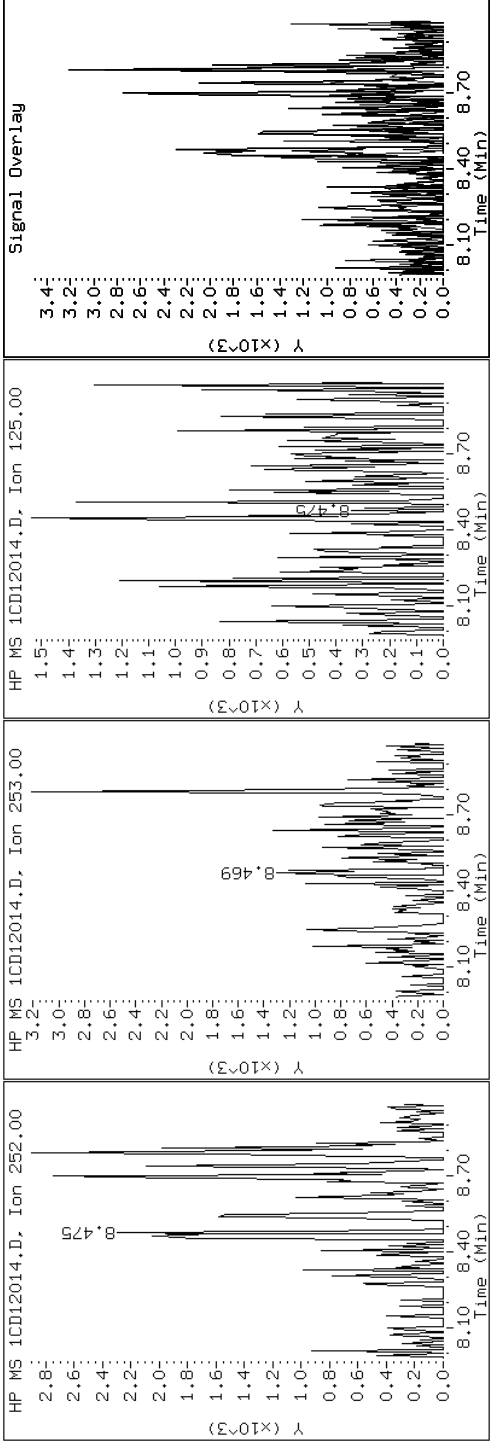
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

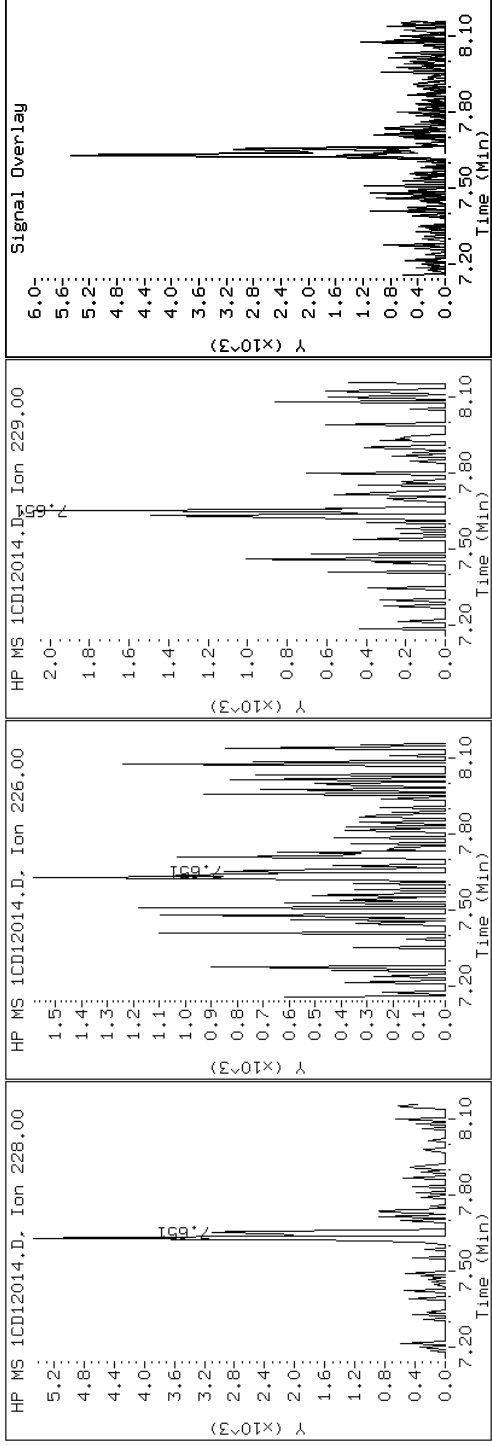
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

19 Chrysene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

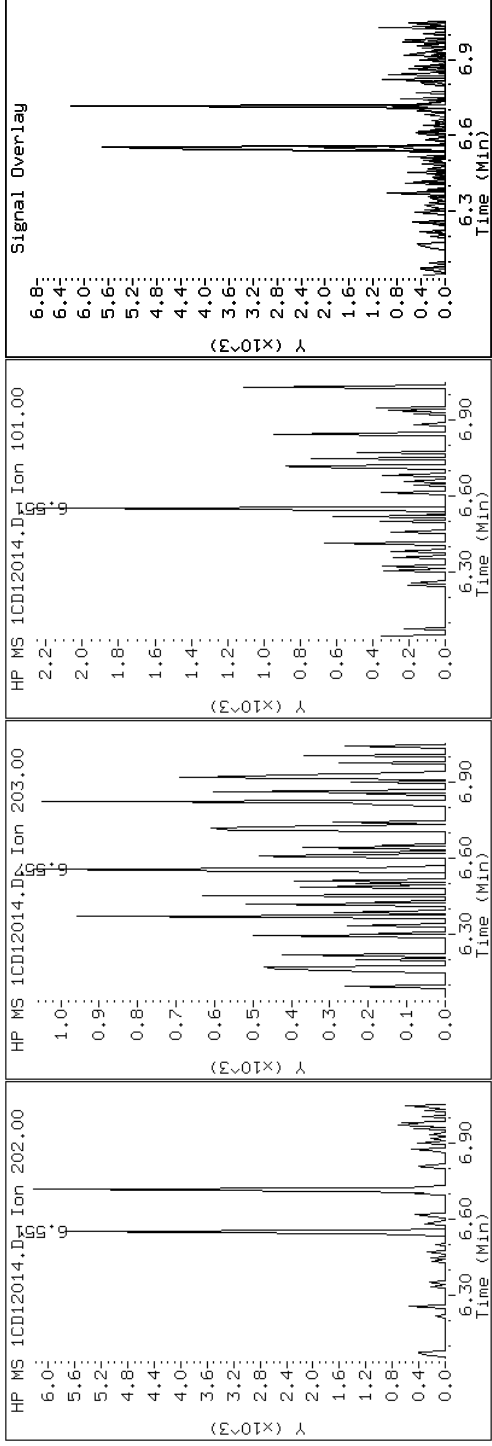
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

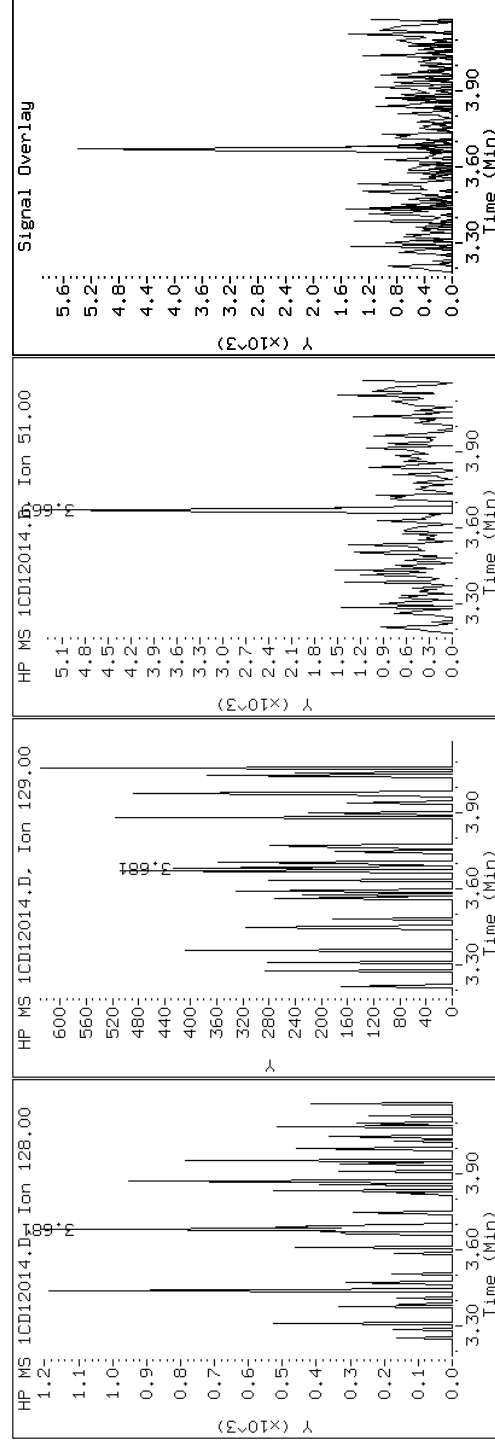
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

2 Naphthalene



Data File: 1CD12014.D

Date: 12-APR-2013 15:06

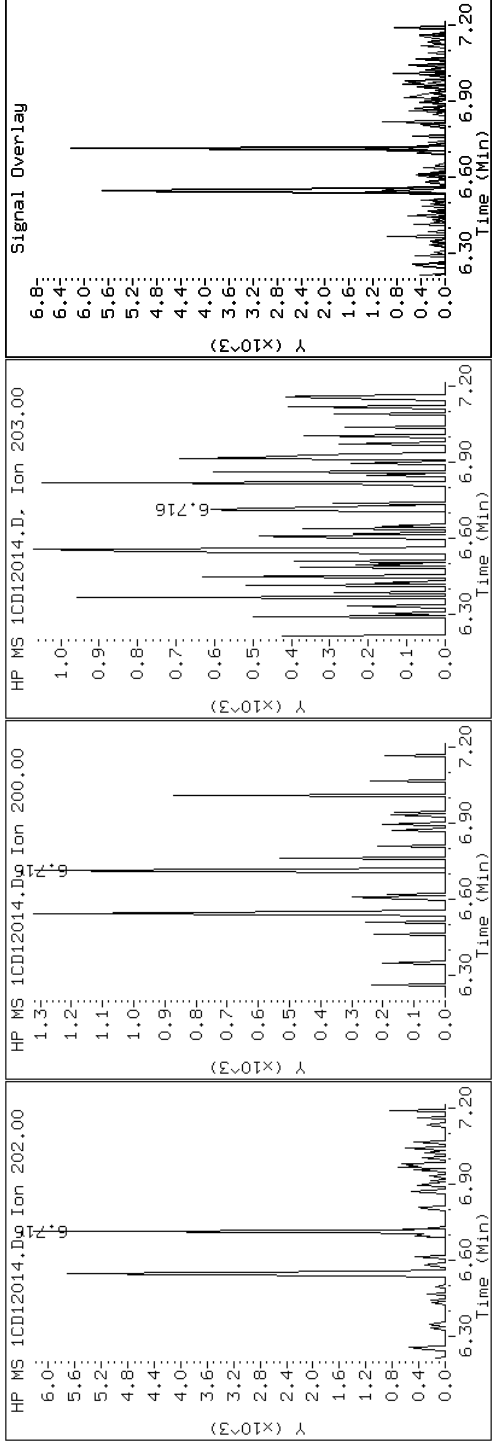
Client ID: CV0332A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-24-a

Operator: SCC

16 Pyrene

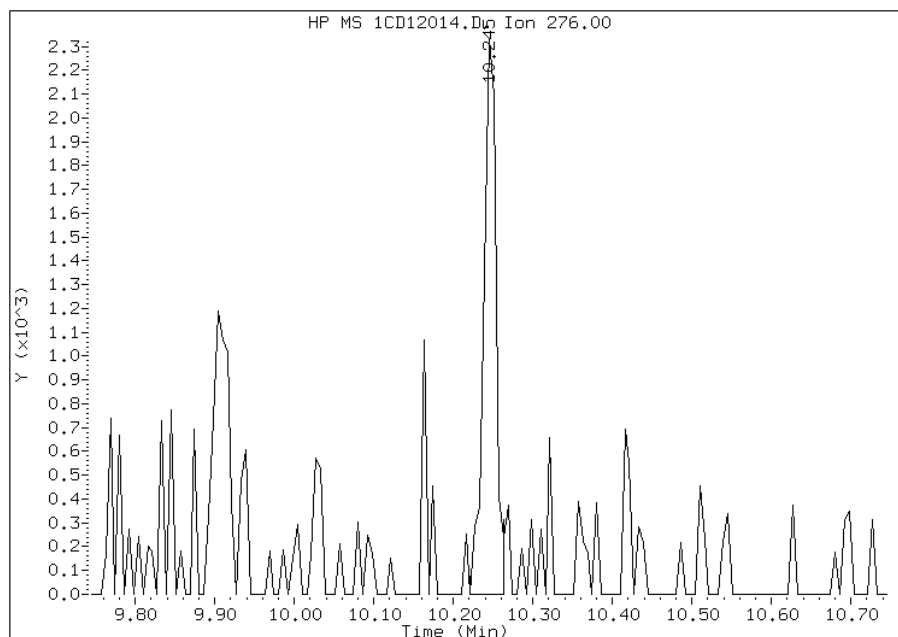


Manual Integration Report

Data File: 1CD12014.D
Inj. Date and Time: 12-APR-2013 15:06
Instrument ID: BSMC5973.i
Client ID: CV0332A-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

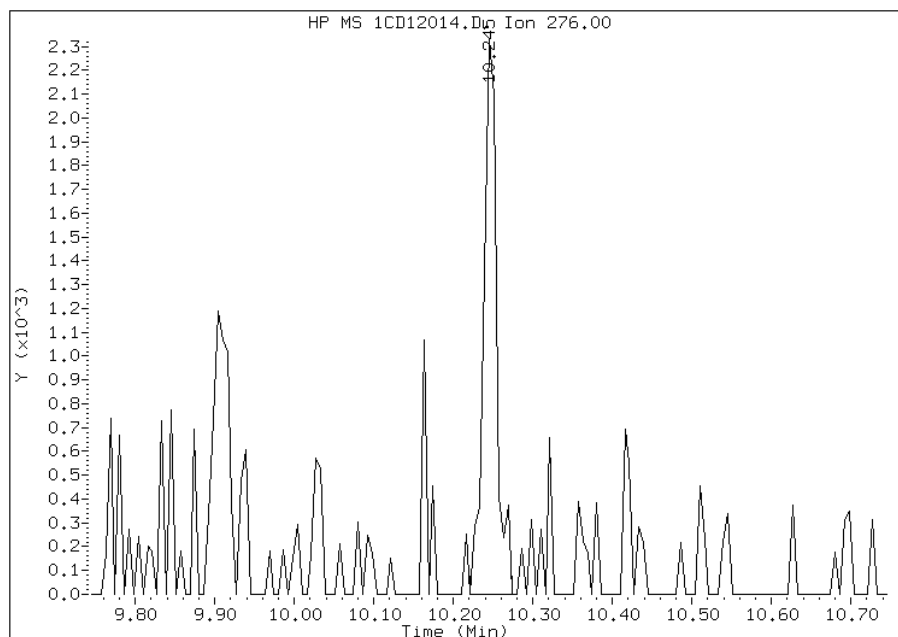
Processing Integration Results

RT: 10.25
Response: 2500
Amount: 0
Conc: 26



Manual Integration Results

RT: 10.25
Response: 2629
Amount: 0
Conc: 28



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:09
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV0332B-CS Lab Sample ID: 680-89038-25
 Matrix: Solid Lab File ID: 1CD12015.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 14:25
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.11(g) Date Analyzed: 04/12/2013 15:24
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 26.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	27
208-96-8	Acenaphthylene	22	J	54	6.7
120-12-7	Anthracene	15		11	5.6
56-55-3	Benzo[a]anthracene	120		11	5.2
50-32-8	Benzo[a]pyrene	100		14	7.0
205-99-2	Benzo[b]fluoranthene	180		16	8.2
191-24-2	Benzo[g,h,i]perylene	56		27	5.9
207-08-9	Benzo[k]fluoranthene	94		11	4.8
218-01-9	Chrysene	110		12	6.0
53-70-3	Dibenz(a,h)anthracene	76		27	5.5
206-44-0	Fluoranthene	140		27	5.4
86-73-7	Fluorene	7.7	J	27	5.5
193-39-5	Indeno[1,2,3-cd]pyrene	110		27	9.5
90-12-0	1-Methylnaphthalene	29	J	54	5.9
91-57-6	2-Methylnaphthalene	58		54	9.5
91-20-3	Naphthalene	83		54	5.9
85-01-8	Phenanthrene	58		11	5.2
129-00-0	Pyrene	79		27	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	59		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12015.D
 Lab Smp Id: 680-89038-A-25-A Client Smp ID: CV0332B-CS
 Inj Date : 12-APR-2013 15:24
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-25-a
 Misc Info : 680-89038-A-25-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 15
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.110	Weight Extracted
M	26.067	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	266792	40.0000		
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	185621	40.0000		
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	357118	40.0000		
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	30593	5.86288	524.8200	
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	432944	40.0000		
* 23 Perylene-d12	264		8.792	8.792	(1.000)	406702	40.0000		
2 Naphthalene	128		3.680	3.680	(1.003)	6648	0.92182	82.5176	
3 2-Methylnaphthalene	142		4.110	4.110	(1.120)	1836	0.65337	58.4873	
4 1-Methylnaphthalene	142		4.169	4.169	(1.136)	1509	0.32757	29.3228(Q)	
5 Acenaphthylene	152		4.669	4.669	(0.981)	1915	0.24347	21.7943	
9 Fluorene	166		5.110	5.098	(1.074)	518	0.08587	7.6871(Q)	
11 Phenanthrene	178		5.716	5.716	(1.003)	6701	0.64628	57.8522	
12 Anthracene	178		5.745	5.751	(1.008)	1707	0.16465	14.7386	
13 Carbazole	167		5.863	5.857	(1.029)	940	0.09735	8.7144(Q)	

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		----	-----	-----	-----	-----	-----
15 Fluoranthene	202		6.545	6.551	(1.149)	17657	1.52413	136.4335
16 Pyrene	202		6.716	6.716	(0.880)	10872	0.88270	79.0152
17 Benzo(a)anthracene	228		7.627	7.627	(0.999)	17017	1.38996	124.4232
19 Chrysene	228		7.651	7.657	(1.002)	14344	1.18436	106.0188
20 Benzo(b)fluoranthene	252		8.457	8.457	(0.962)	20323	1.97844	177.1012
21 Benzo(k)fluoranthene	252		8.480	8.480	(0.965)	12241	1.05311	94.2704
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	12408	1.16855	104.6038
24 Indeno(1,2,3-cd)pyrene	276		9.909	9.921	(1.127)	6560	1.26127	112.9034(M)
25 Dibenzo(a,h)anthracene	278		9.921	9.933	(1.128)	4207	0.85098	76.1764(M)
26 Benzo(g,h,i)perylene	276		10.251	10.256	(1.166)	6235	0.62647	56.0791

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CD12015.D

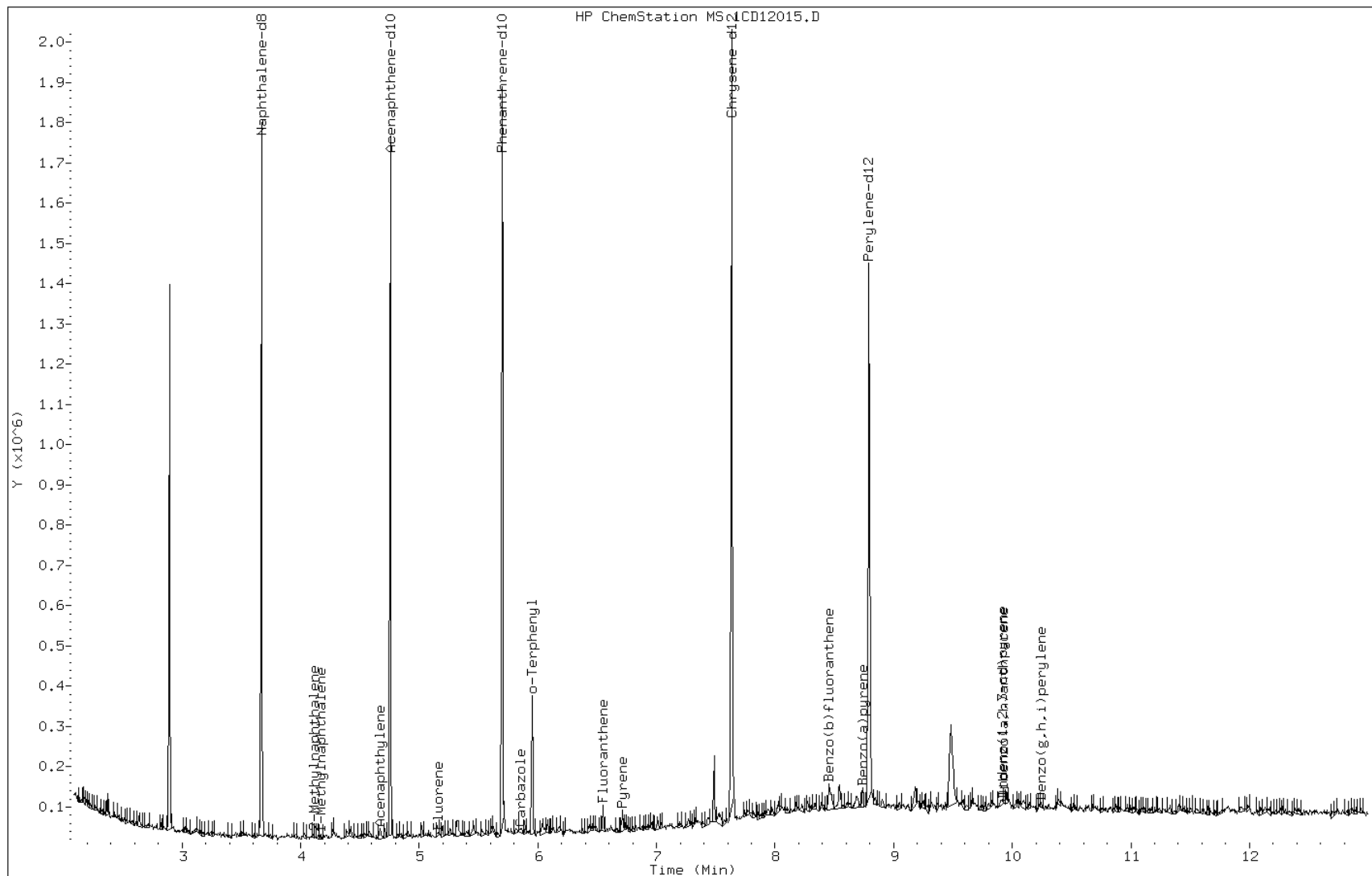
Date: 12-APR-2013 15:24

Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

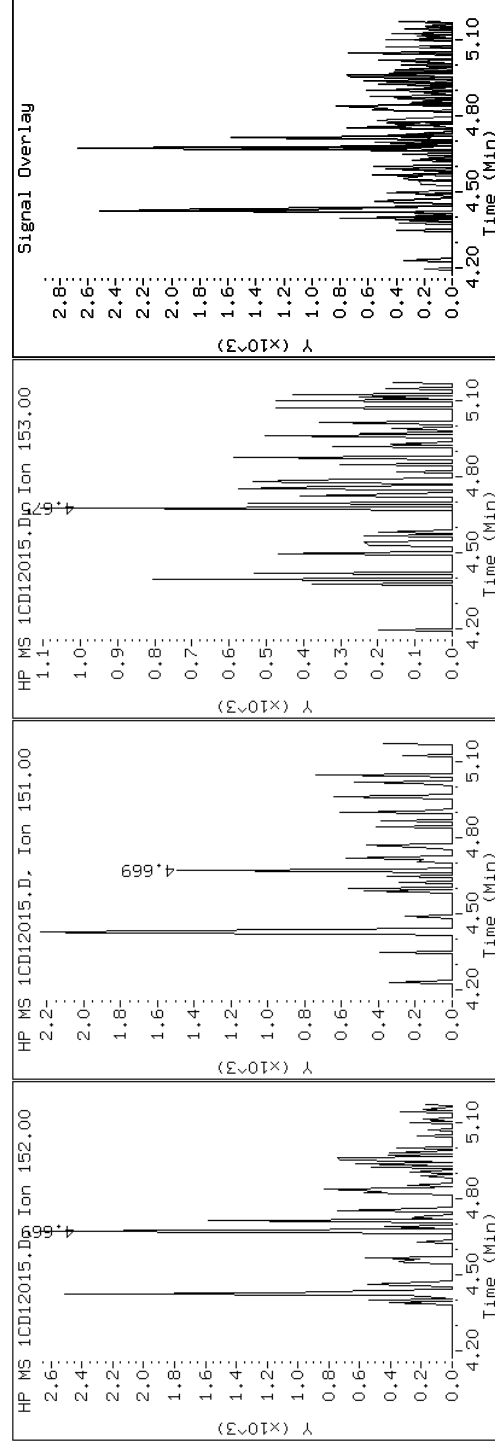
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

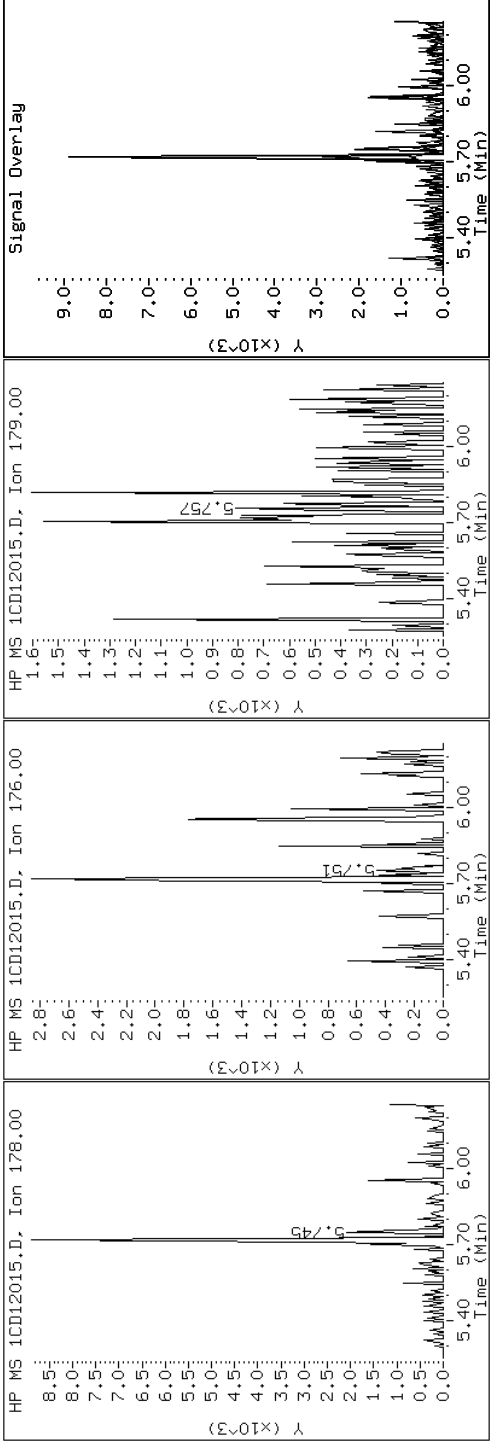
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

12 Anthracene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

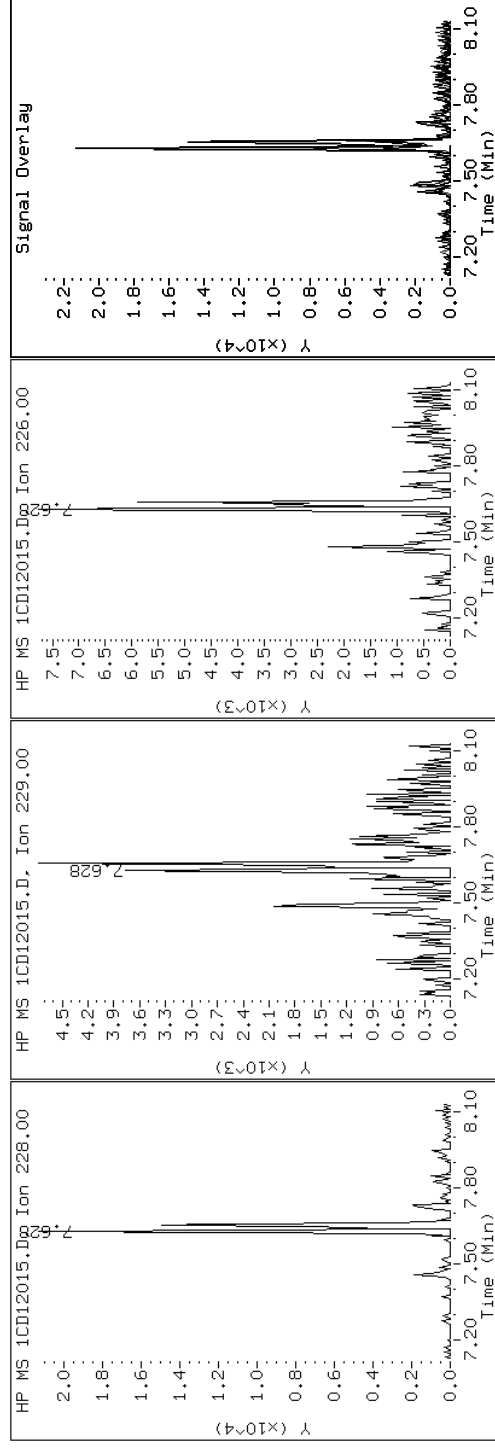
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

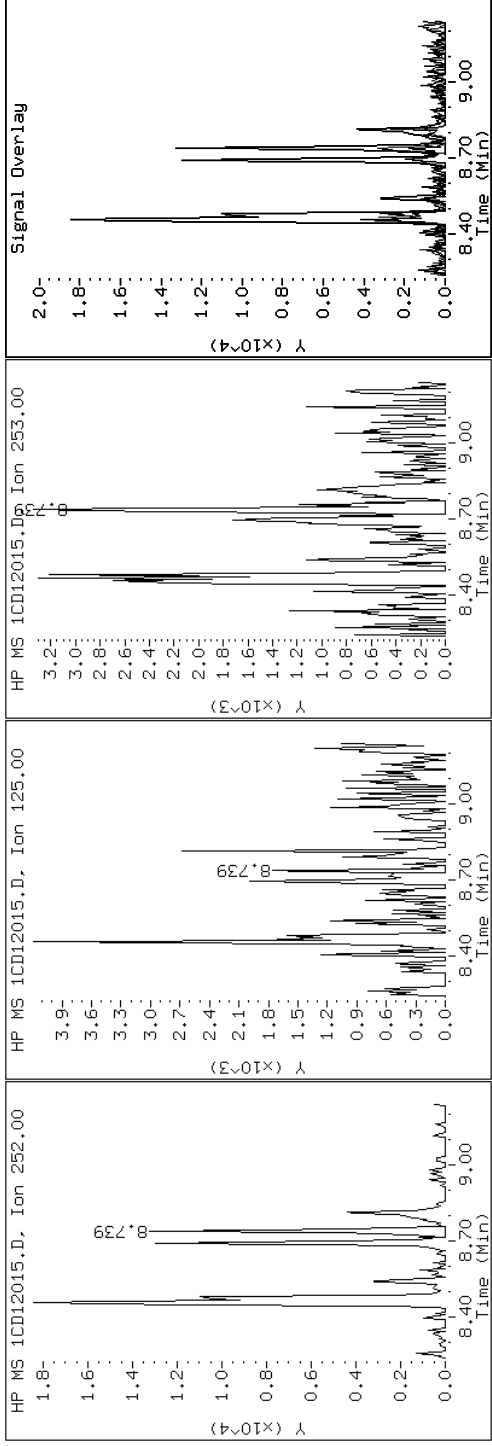
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

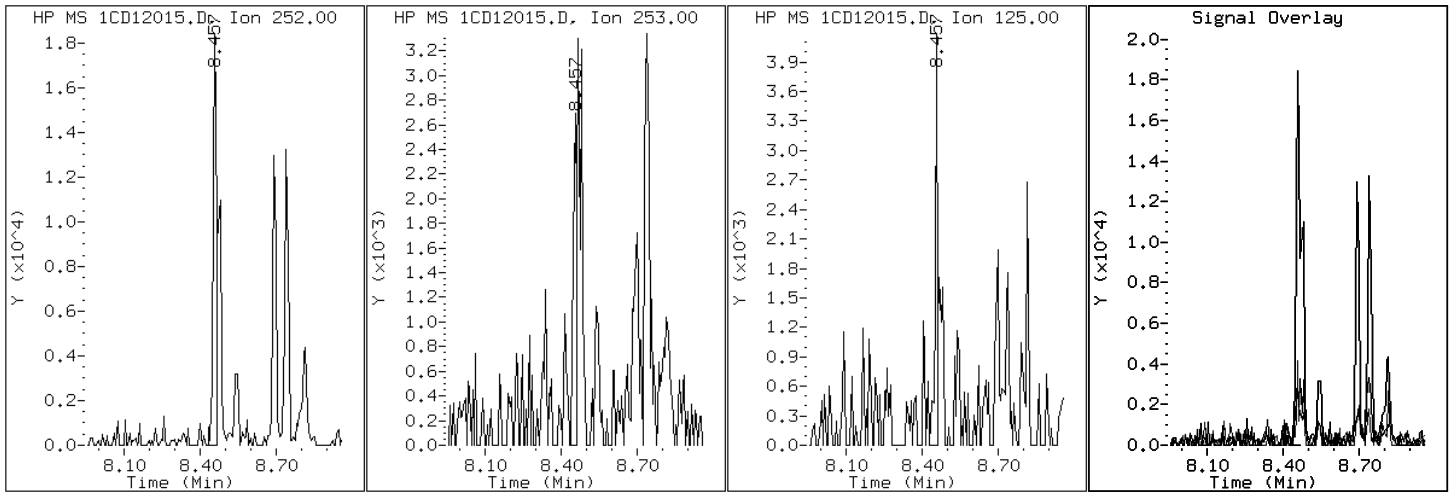
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

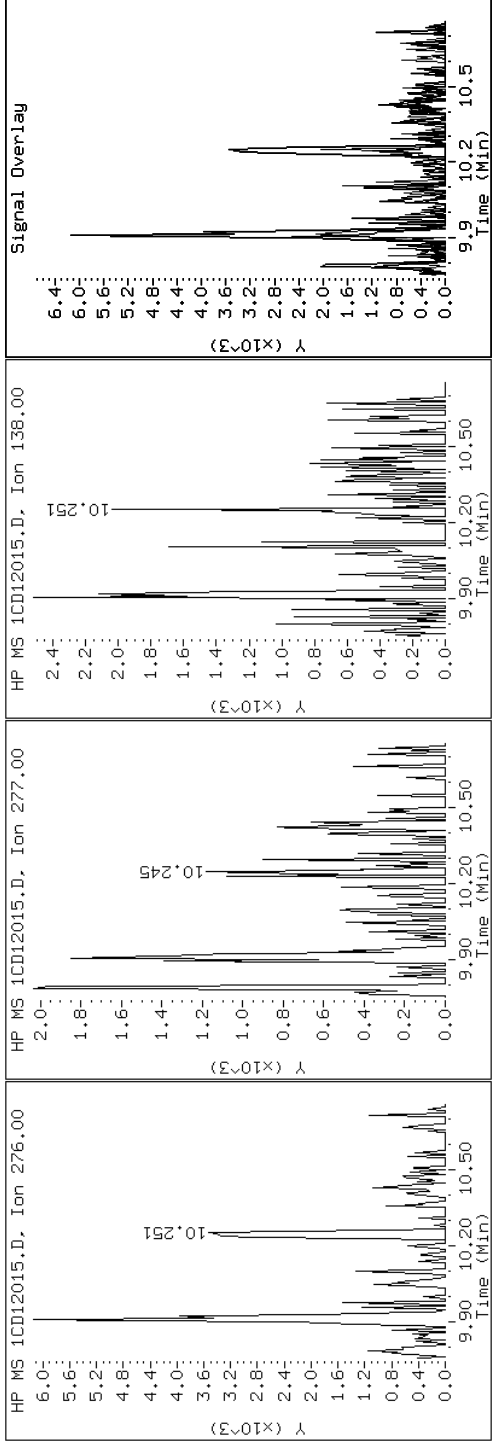
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

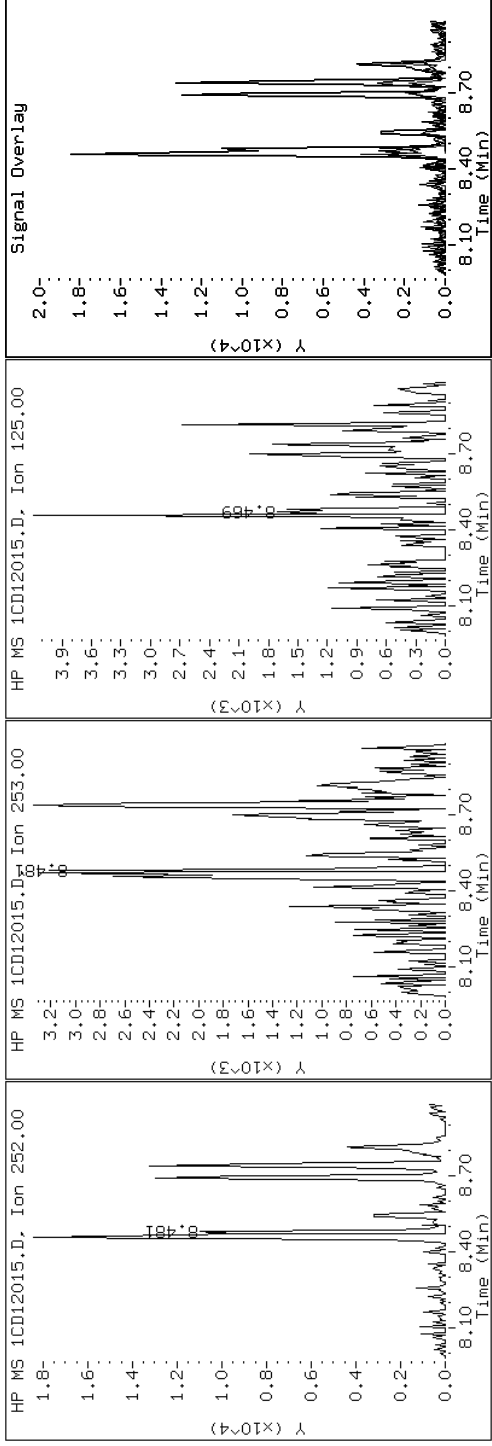
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

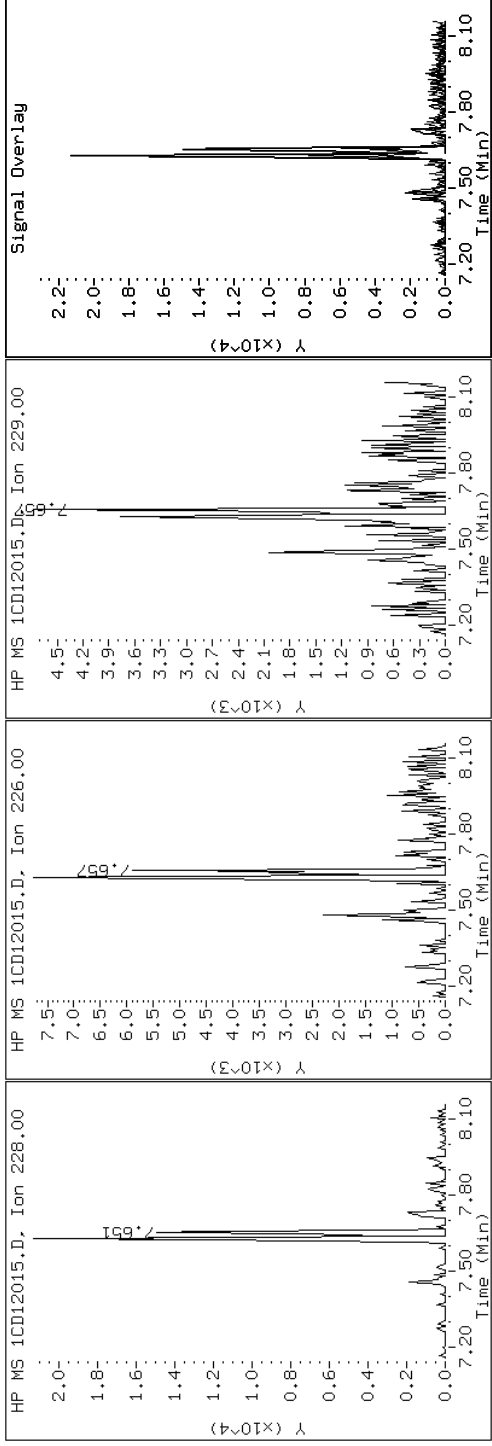
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

19 Chrysene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

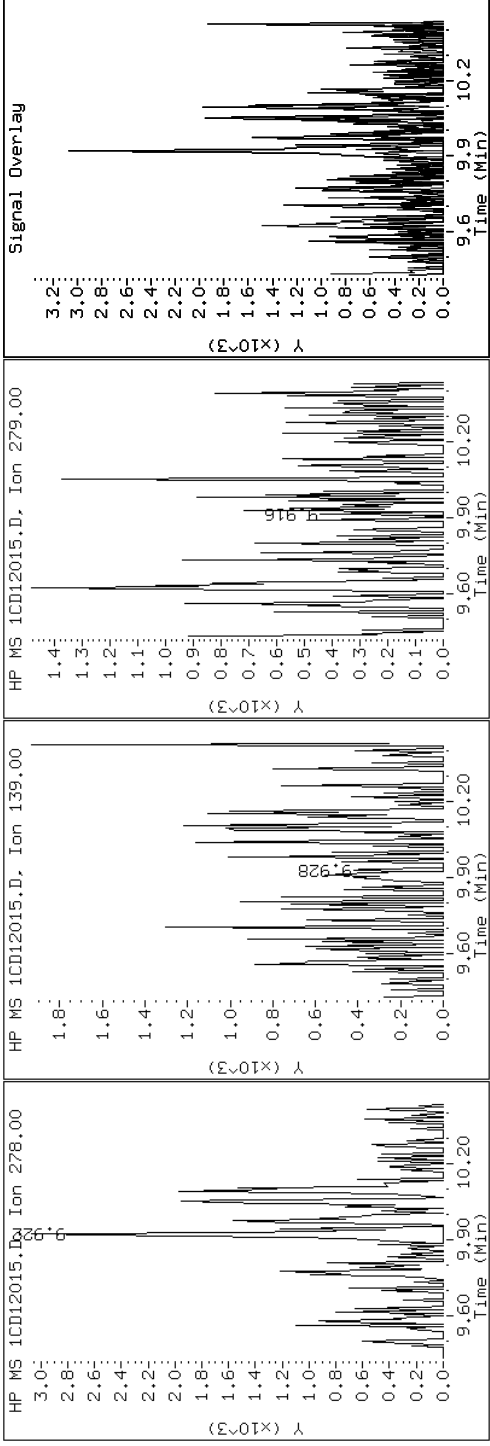
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

25 Dibenzo(a,h)anthracene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

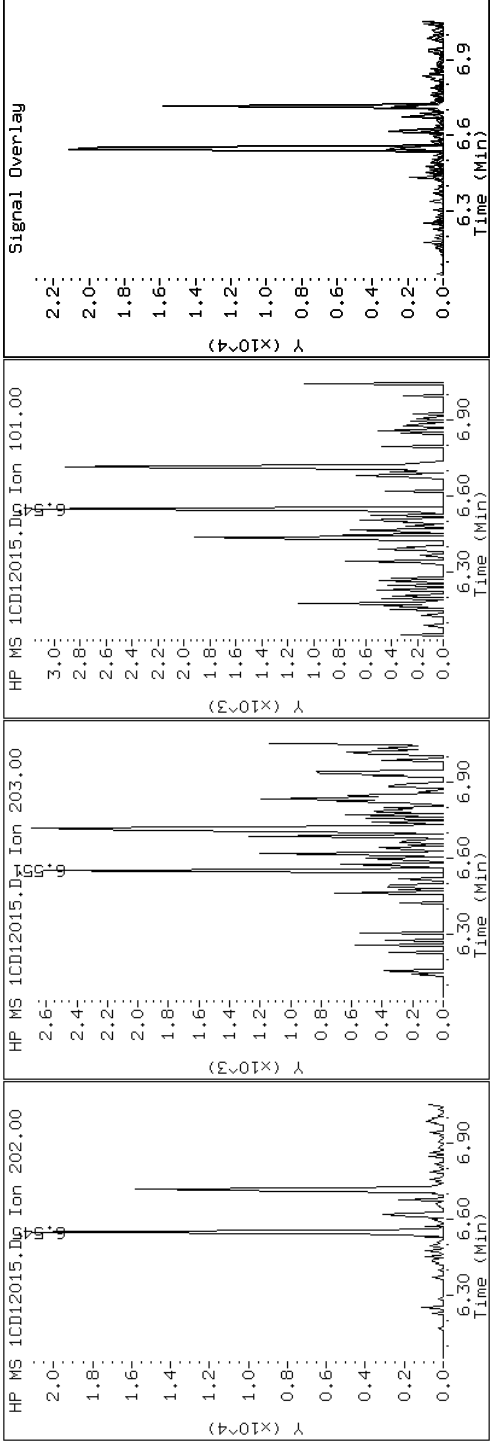
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

15 Fluoranthene



Data File: 1CDI2015.D

Date: 12-APR-2013 15:24

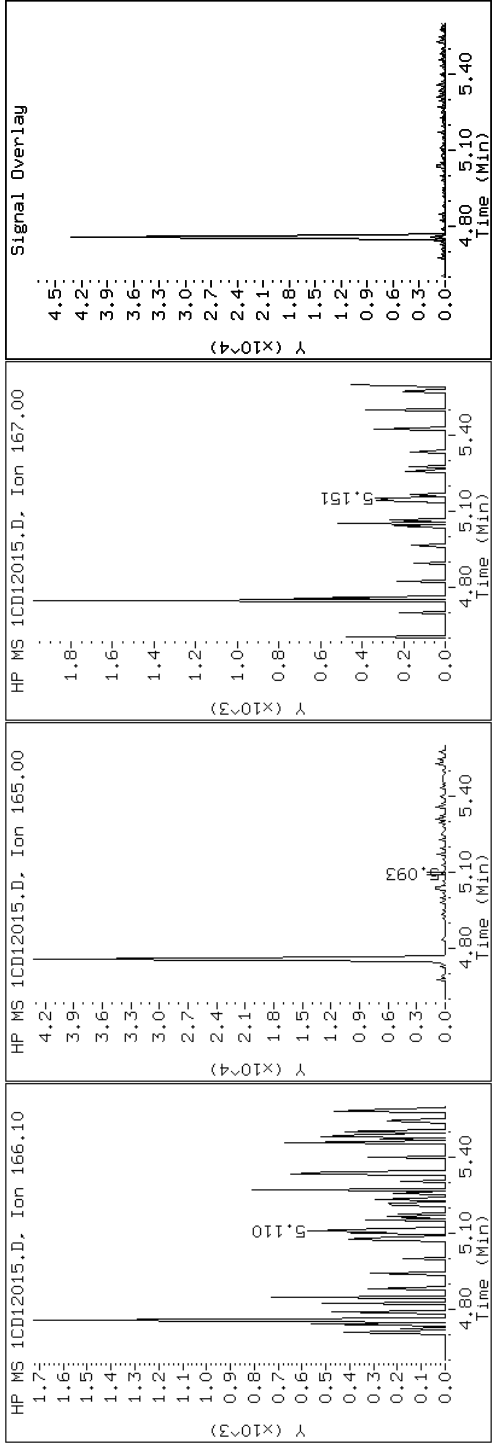
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

9 Fluorene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

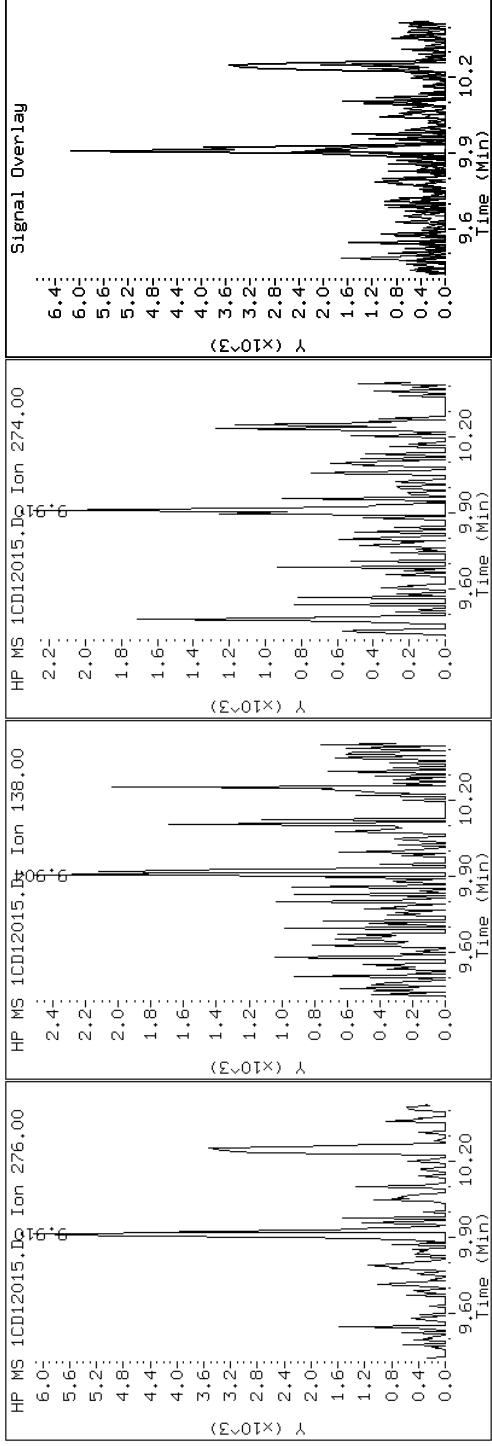
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

24 Indeno(1,2,3-cd)pyrene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

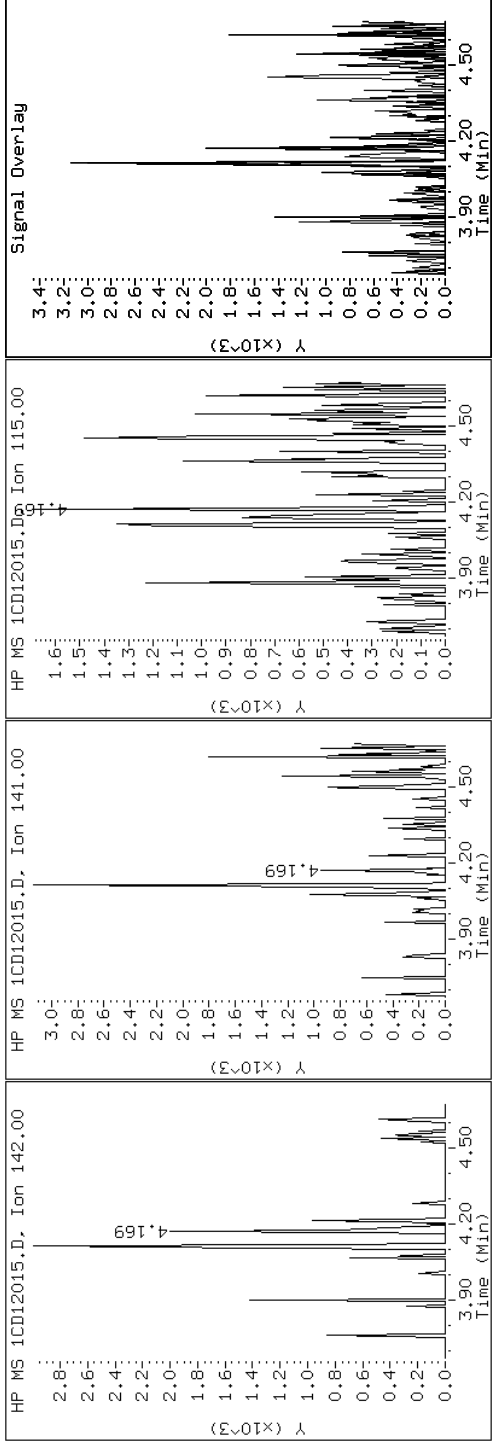
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

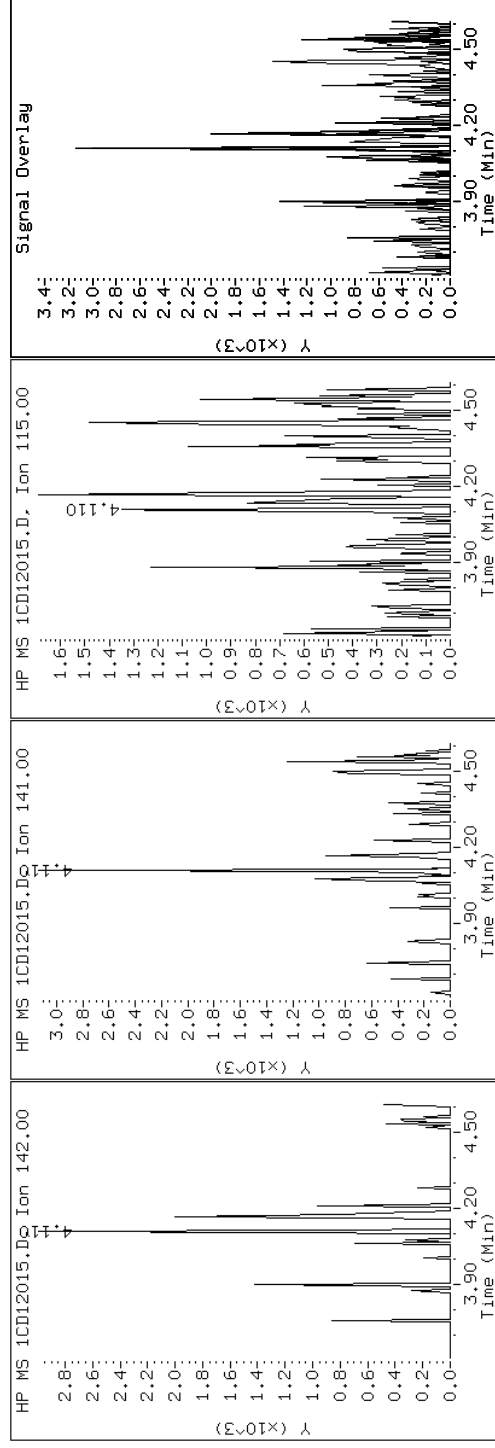
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

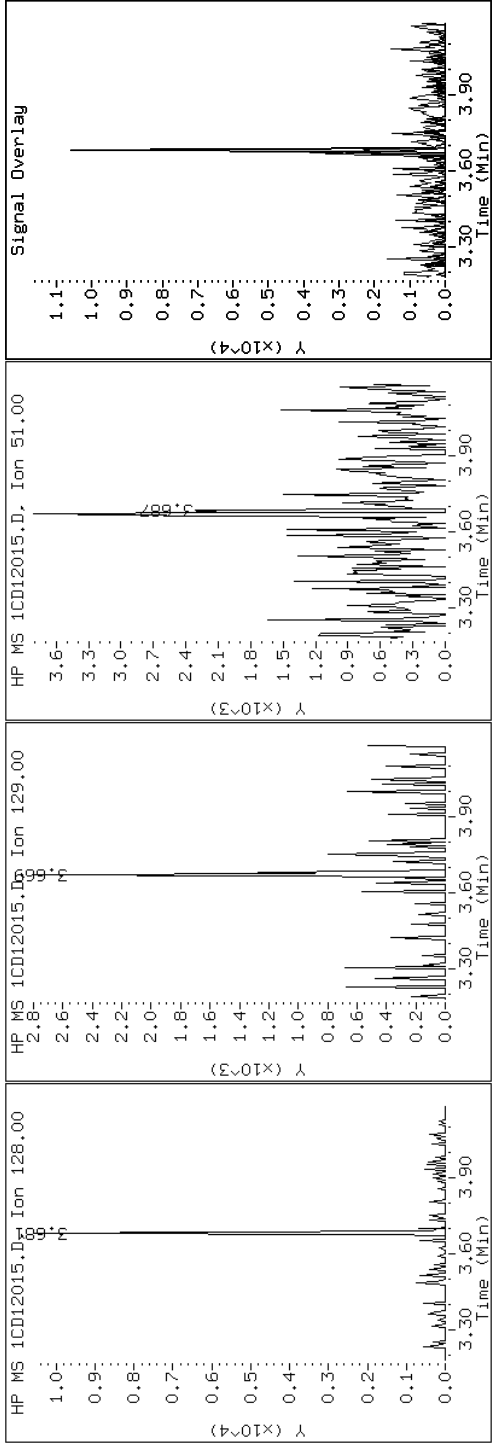
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

2 Naphthalene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

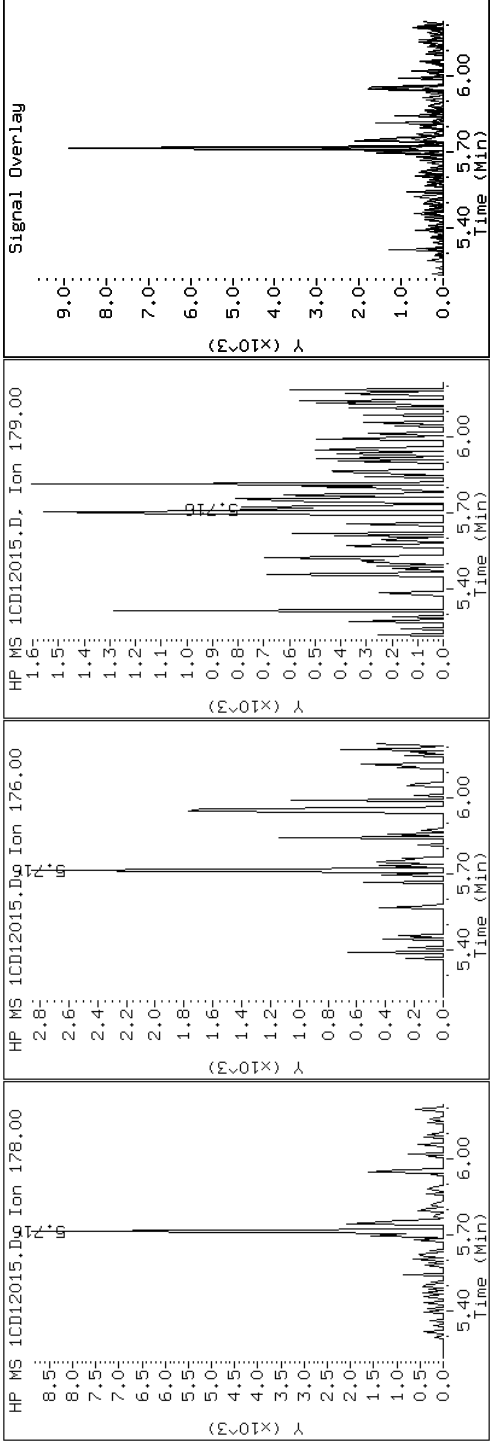
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

11 Phenanthrene



Data File: 1CD12015.D

Date: 12-APR-2013 15:24

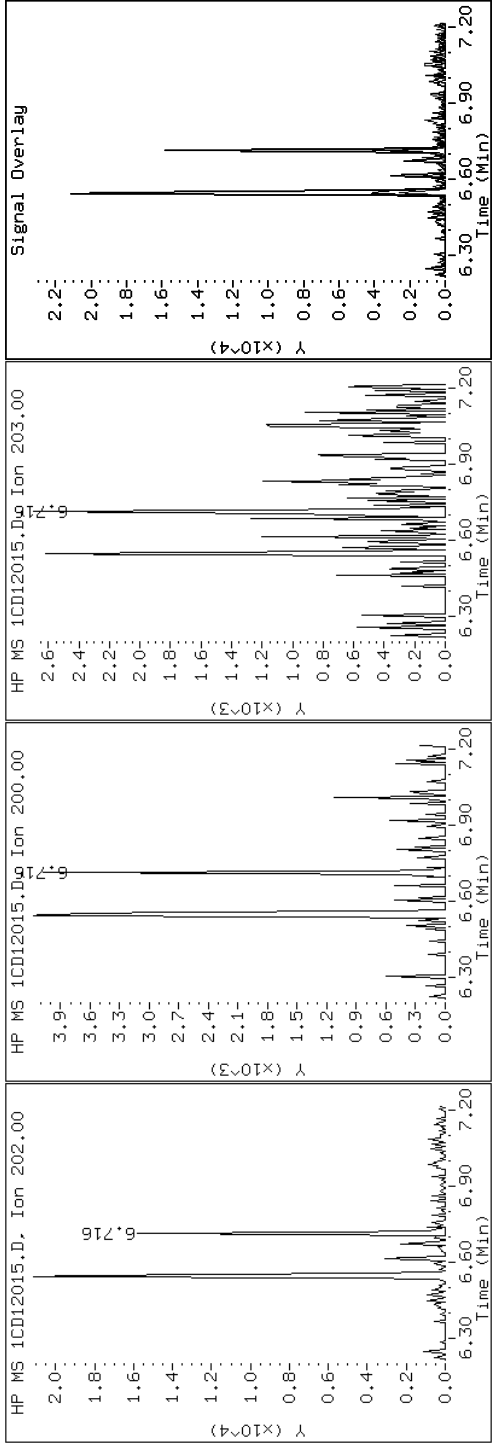
Client ID: CV0332B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-25-a

Operator: SCC

16 Pyrene

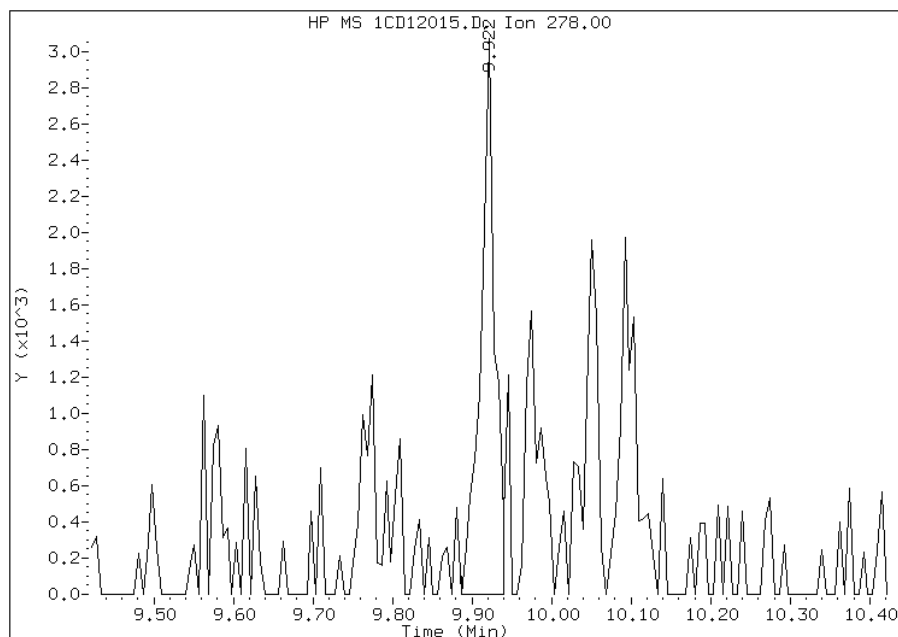


Manual Integration Report

Data File: 1CD12015.D
Inj. Date and Time: 12-APR-2013 15:24
Instrument ID: BSMC5973.i
Client ID: CV0332B-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/15/2013

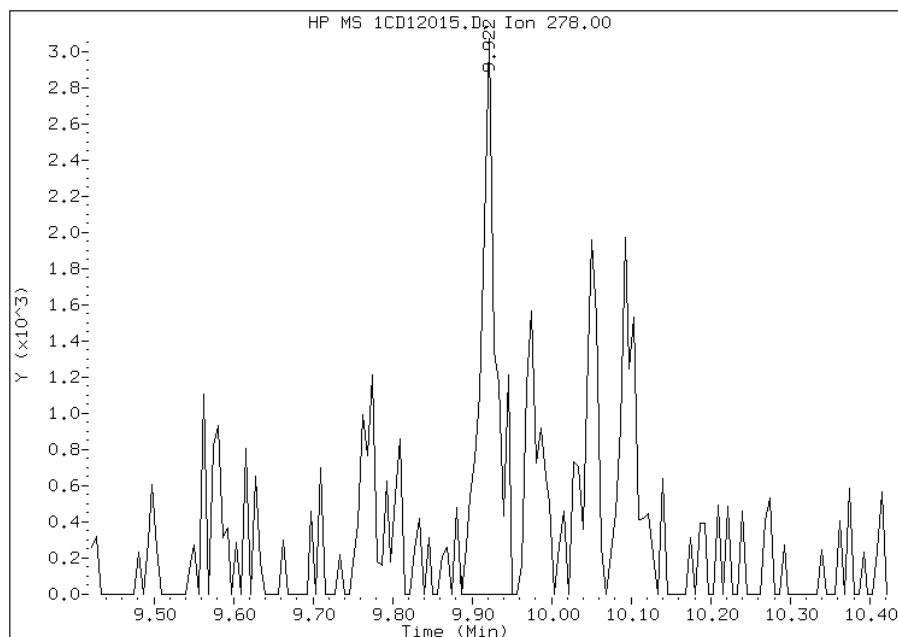
Processing Integration Results

RT: 9.92
Response: 3774
Amount: 1
Conc: 72



Manual Integration Results

RT: 9.92
Response: 4207
Amount: 1
Conc: 76



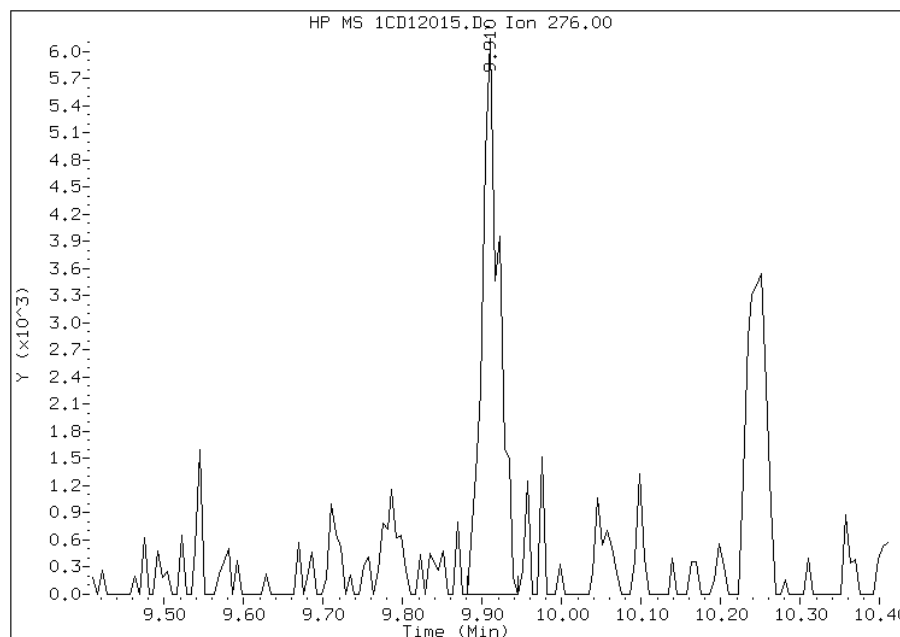
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:10
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD12015.D
Inj. Date and Time: 12-APR-2013 15:24
Instrument ID: BSMC5973.i
Client ID: CV0332B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/15/2013

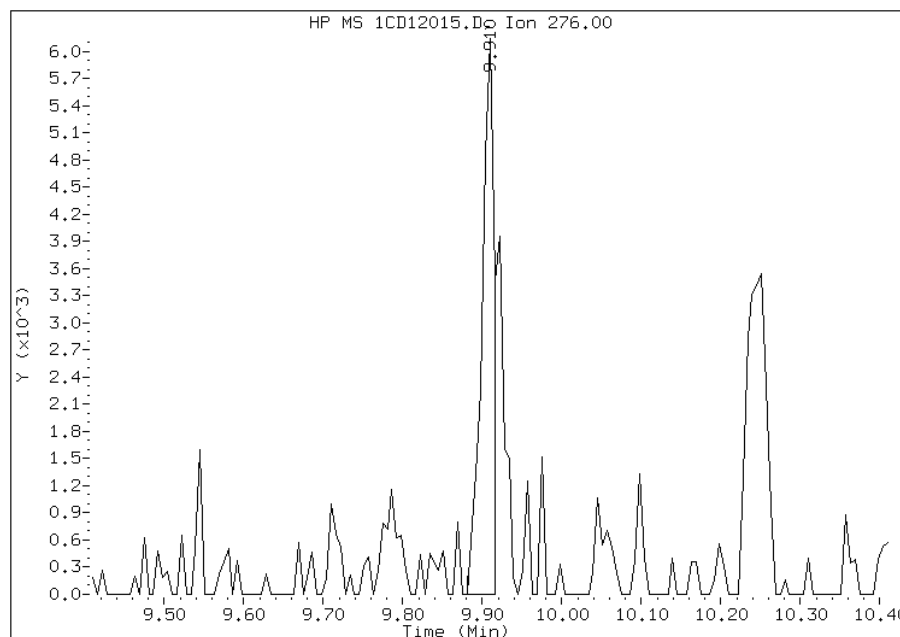
Processing Integration Results

RT: 9.91
Response: 9121
Amount: 2
Conc: 135



Manual Integration Results

RT: 9.91
Response: 6560
Amount: 1
Conc: 113



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:10
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1193A-CS Lab Sample ID: 680-89038-26
 Matrix: Solid Lab File ID: 1CD12016.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 15:22
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.03(g) Date Analyzed: 04/12/2013 15:42
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 38.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	160	U	160	32
208-96-8	Acenaphthylene	65	U	65	8.1
120-12-7	Anthracene	14	U	14	6.8
56-55-3	Benzo[a]anthracene	13	U	13	6.3
50-32-8	Benzo[a]pyrene	45		17	8.4
205-99-2	Benzo[b]fluoranthene	66		20	9.9
191-24-2	Benzo[g,h,i]perylene	26	J	32	7.1
207-08-9	Benzo[k]fluoranthene	11	J	13	5.8
218-01-9	Chrysene	24		15	7.3
53-70-3	Dibenz(a,h)anthracene	32	U	32	6.6
206-44-0	Fluoranthene	34		32	6.5
86-73-7	Fluorene	32	U	32	6.6
193-39-5	Indeno[1,2,3-cd]pyrene	32	U	32	11
90-12-0	1-Methylnaphthalene	20	J	65	7.1
91-57-6	2-Methylnaphthalene	58	J	65	11
91-20-3	Naphthalene	22	J	65	7.1
85-01-8	Phenanthrene	13	U	13	6.3
129-00-0	Pyrene	37		32	6.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	58		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12016.D
 Lab Smp Id: 680-89038-A-26-A Client Smp ID: CV1193A-CS
 Inj Date : 12-APR-2013 15:42
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-26-a
 Misc Info : 680-89038-A-26-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 16
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.030	Weight Extracted
M	38.324	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	276142	40.0000		
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	189797	40.0000		
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	364799	40.0000		
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	30710	5.77332	622.8069	
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	418402	40.0000		
* 23 Perylene-d12	264		8.792	8.792	(1.000)	420826	40.0000		
2 Naphthalene	128		3.680	3.680	(1.003)	1530	0.20497	22.1113(Q)	
3 2-Methylnaphthalene	142		4.110	4.110	(1.120)	1319	0.53693	57.9217	
4 1-Methylnaphthalene	142		4.174	4.169	(1.138)	884	0.18540	20.0003(Q)	
15 Fluoranthene	202		6.545	6.551	(1.149)	3726	0.31485	33.9651	
16 Pyrene	202		6.715	6.716	(0.880)	4081	0.34285	36.9857	
19 Chrysene	228		7.657	7.657	(1.003)	2568	0.21940	23.6686(Q)	
20 Benzo(b)fluoranthene	252		8.462	8.457	(0.963)	6458	0.60758	65.5441	
21 Benzo(k)fluoranthene	252		8.480	8.480	(0.965)	1260	0.10476	11.3013(Q)	

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		-----	-----	-----	-----	-----	-----
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	4573	0.41622	44.9002
26 Benzo(g,h,i)perylene	276		10.250	10.256	(1.166)	2501	0.24286	26.1987(M)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: 1CD12016.D

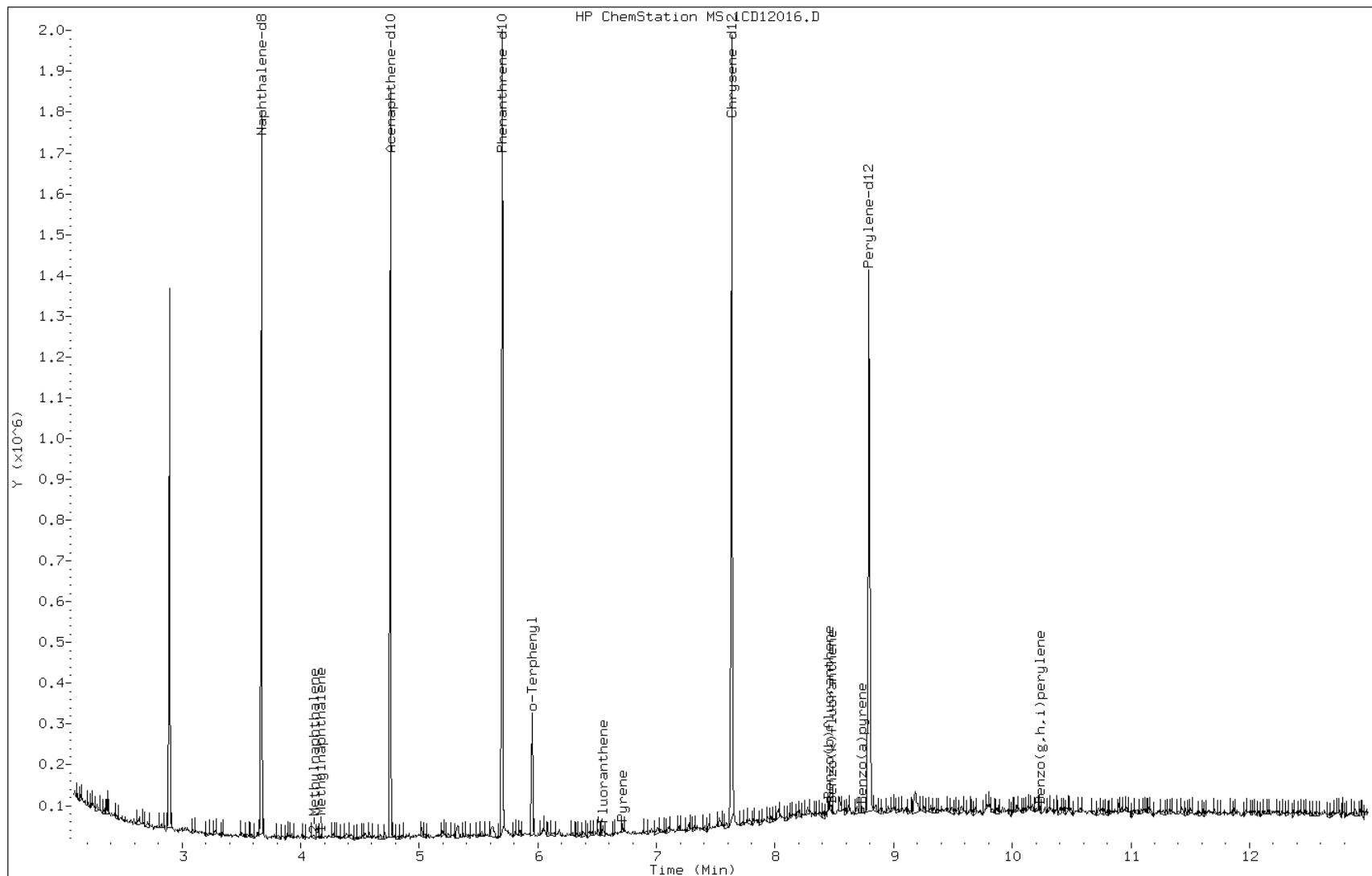
Date: 12-APR-2013 15:42

Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

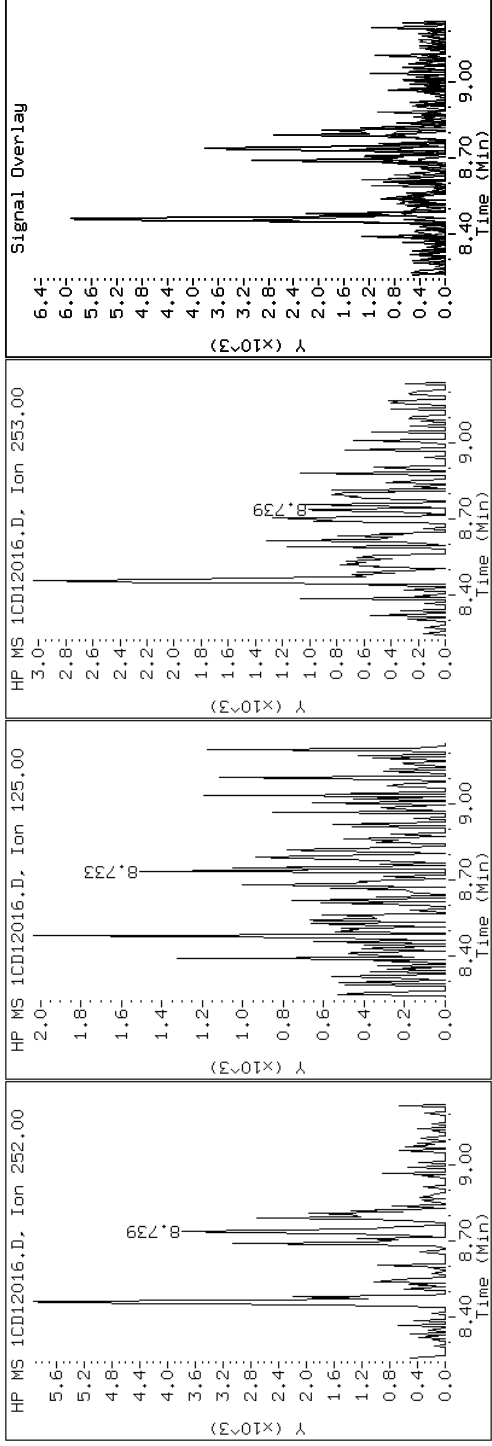
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

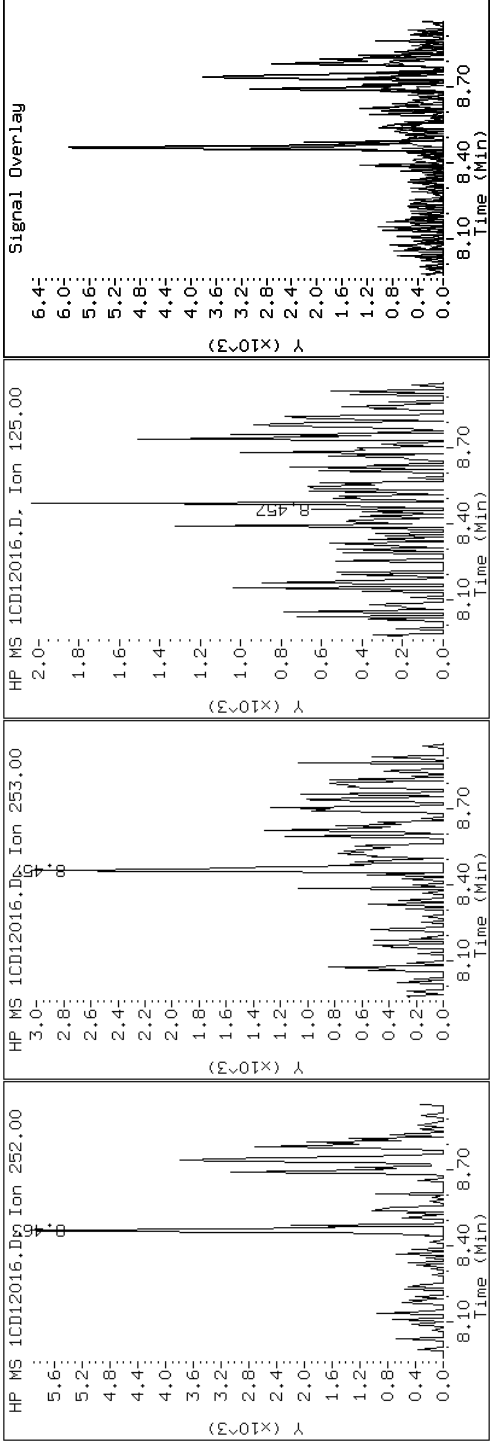
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

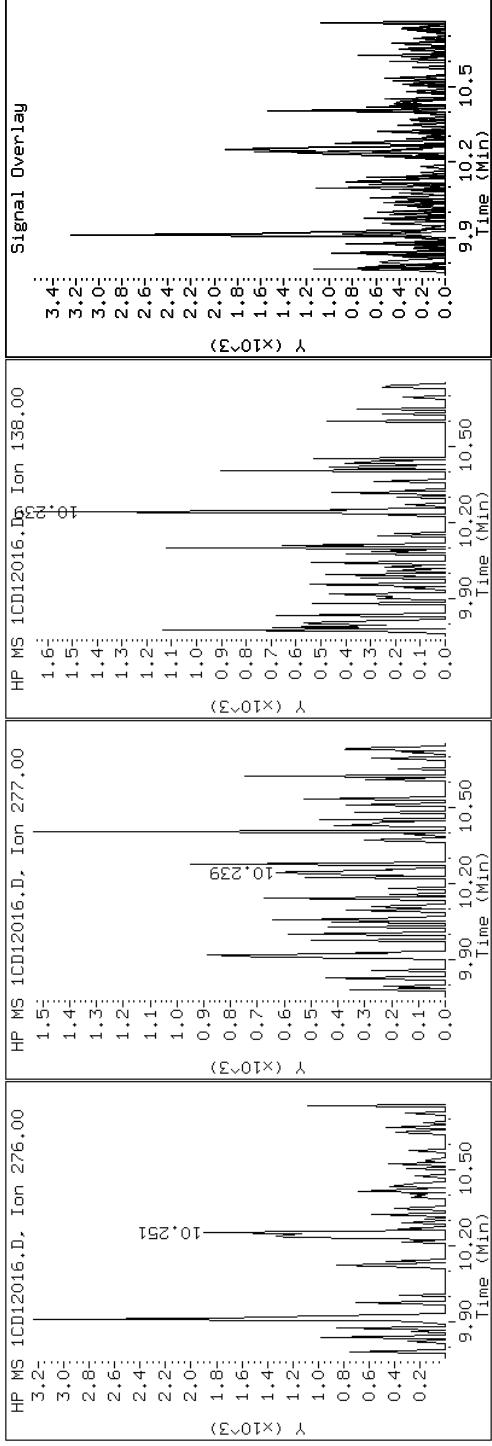
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

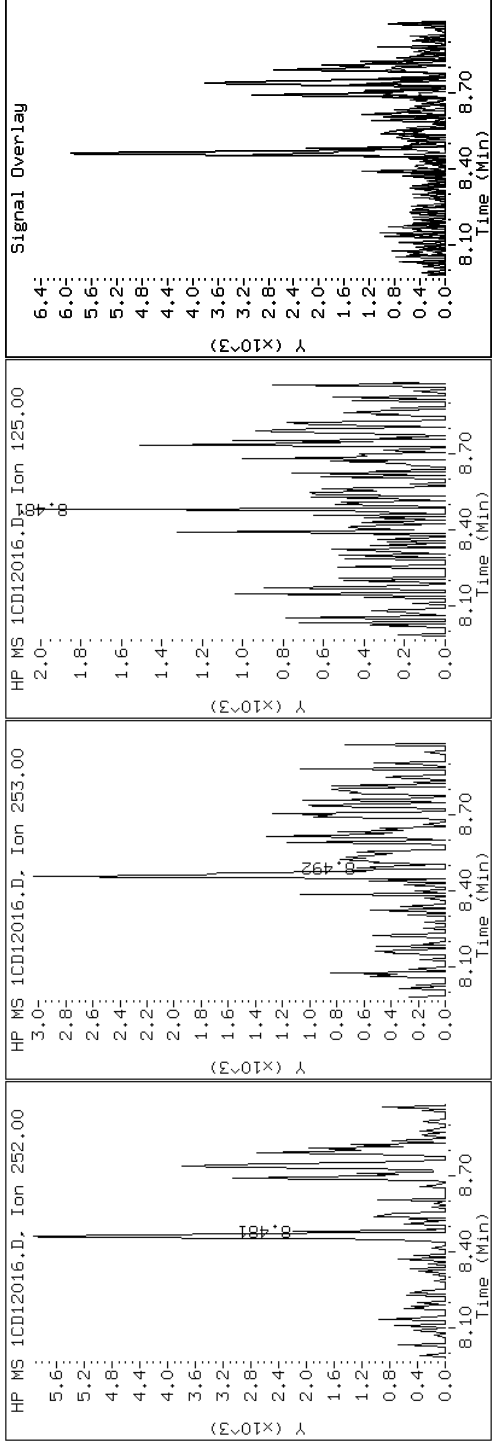
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

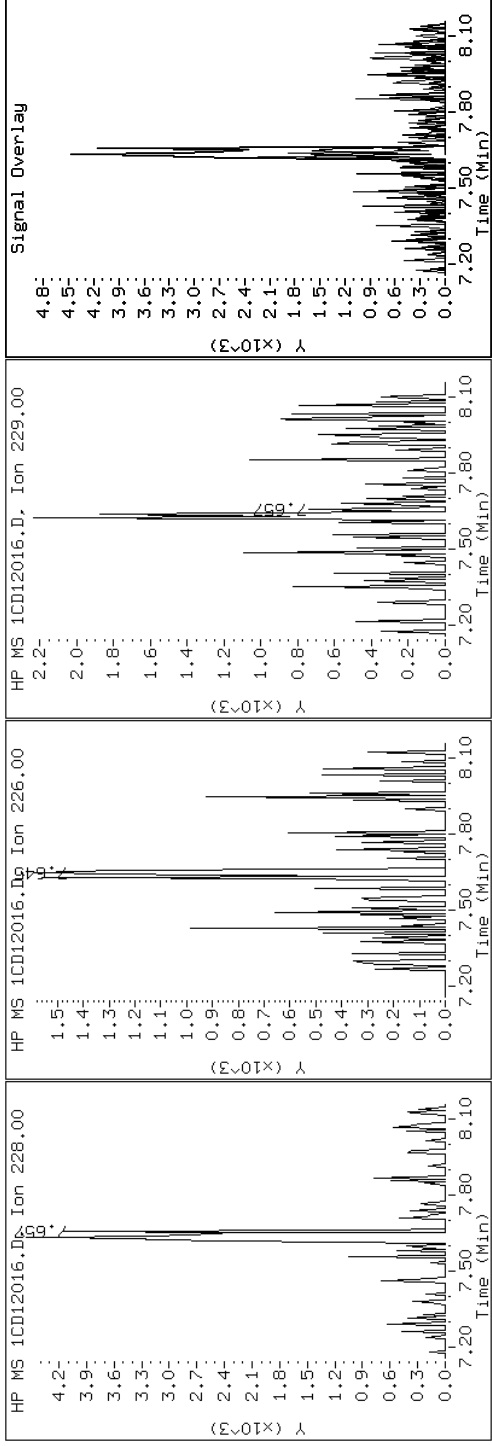
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

19 Chrysene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

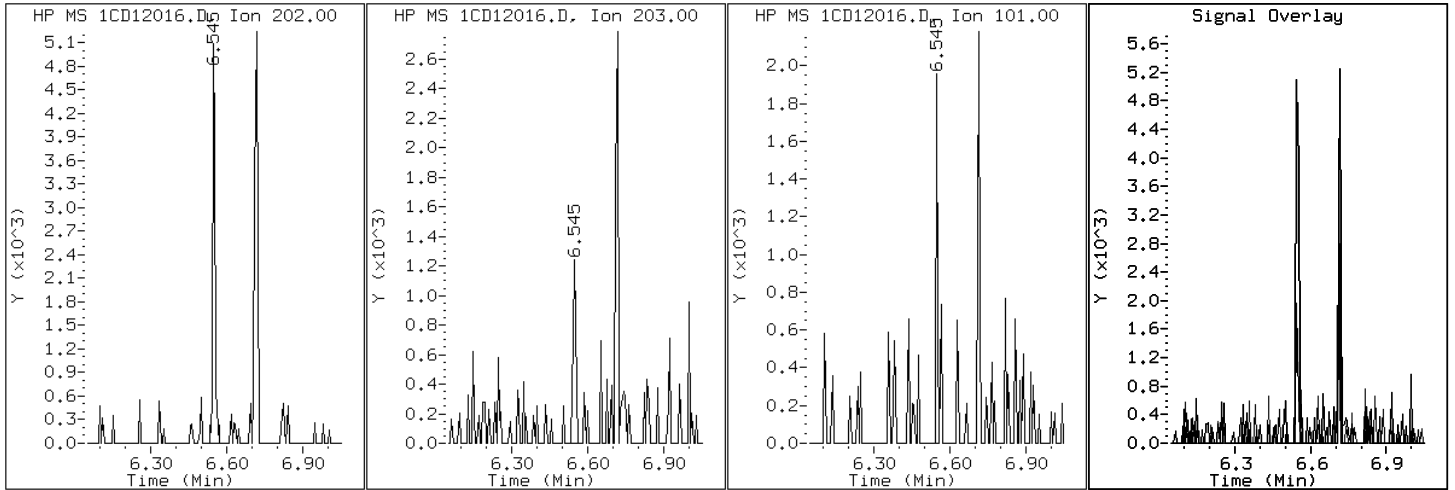
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

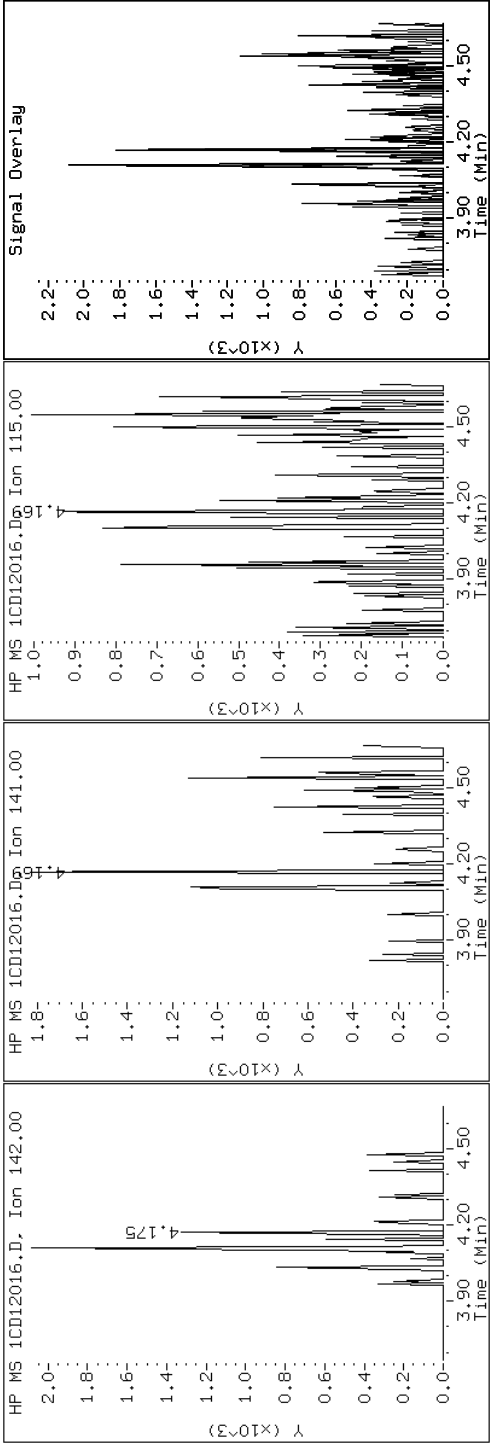
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

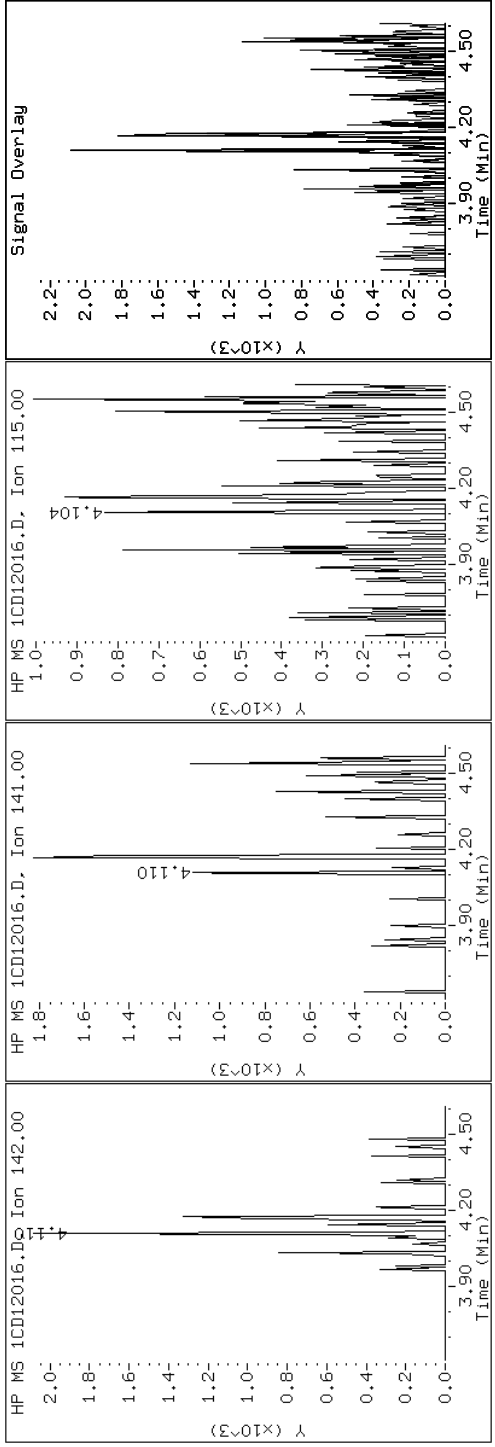
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

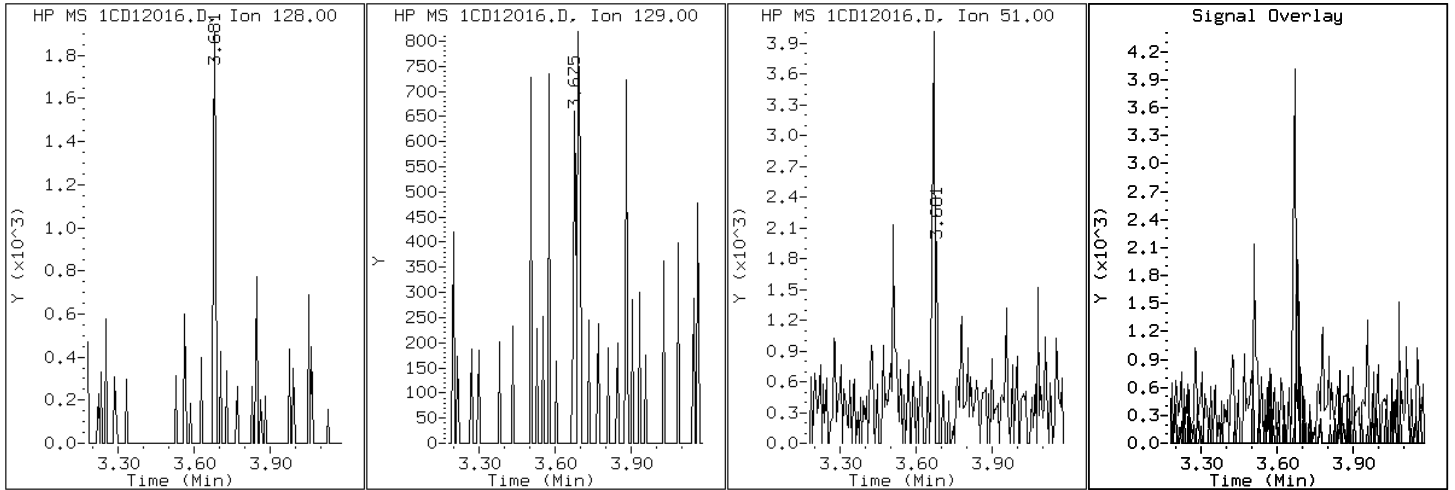
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

2 Naphthalene



Data File: 1CD12016.D

Date: 12-APR-2013 15:42

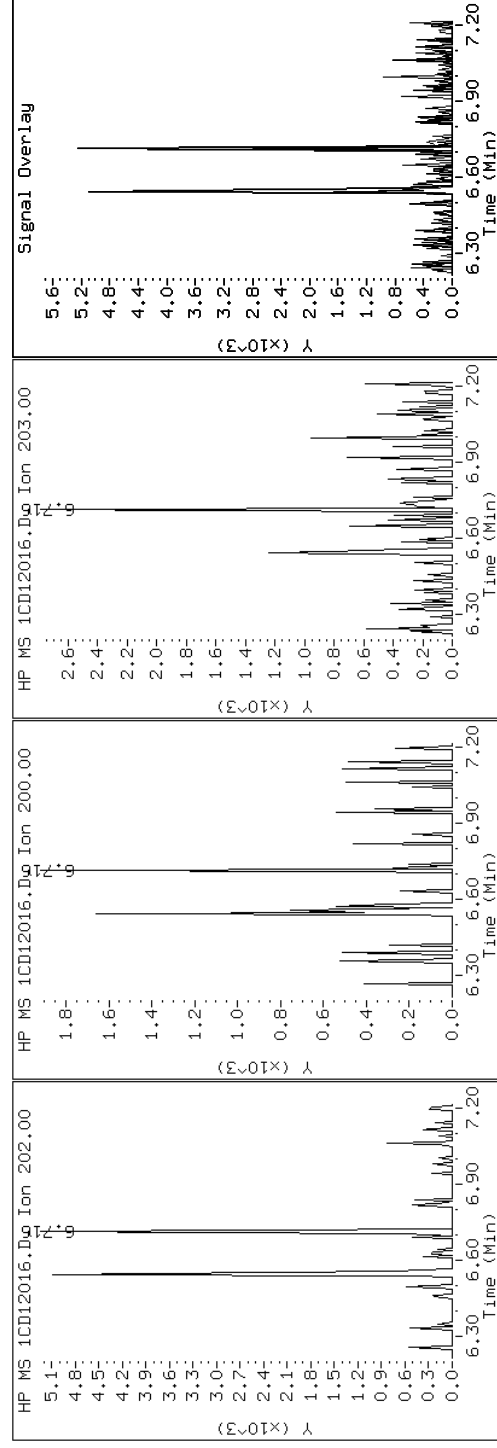
Client ID: CV1193A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-26-a

Operator: SCC

16 Pyrene

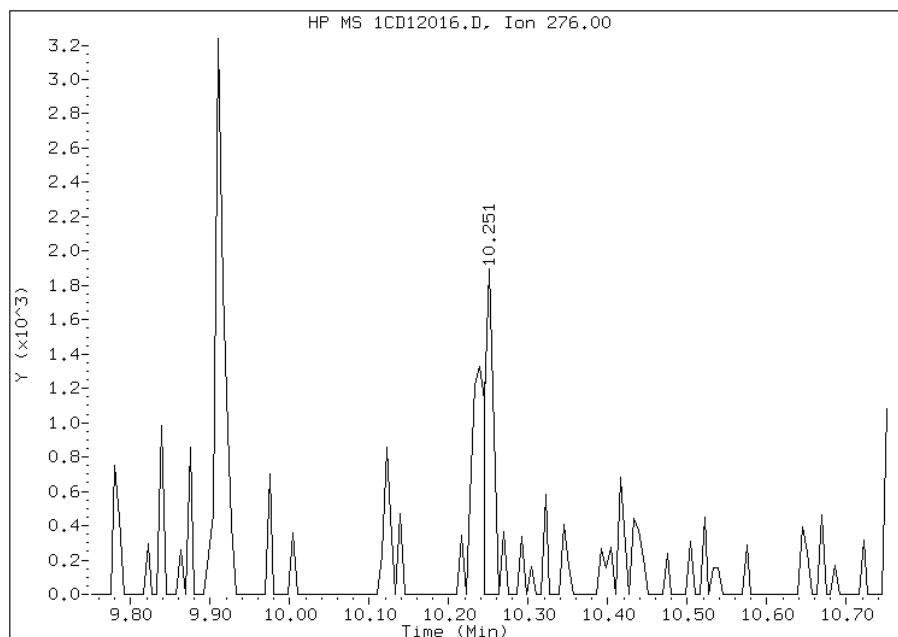


Manual Integration Report

Data File: 1CD12016.D
Inj. Date and Time: 12-APR-2013 15:42
Instrument ID: BSMC5973.i
Client ID: CV1193A-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

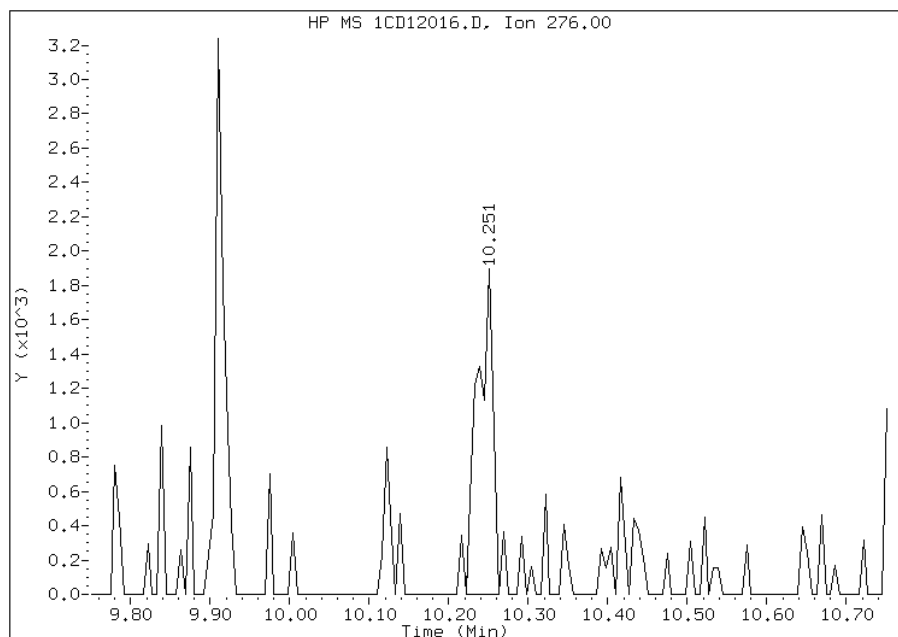
Processing Integration Results

RT: 10.25
Response: 1404
Amount: 0
Conc: 15



Manual Integration Results

RT: 10.25
Response: 2501
Amount: 0
Conc: 26



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:18
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1193B-CS Lab Sample ID: 680-89038-27
 Matrix: Solid Lab File ID: 1CD12017.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 15:30
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.26(g) Date Analyzed: 04/12/2013 16:01
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 38.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	160	U	160	32
208-96-8	Acenaphthylene	64	U	64	8.0
120-12-7	Anthracene	15		13	6.7
56-55-3	Benzo[a]anthracene	53		13	6.2
50-32-8	Benzo[a]pyrene	35		17	8.3
205-99-2	Benzo[b]fluoranthene	82		19	9.7
191-24-2	Benzo[g,h,i]perylene	38		32	7.0
207-08-9	Benzo[k]fluoranthene	28		13	5.7
218-01-9	Chrysene	61		14	7.2
53-70-3	Dibenz(a,h)anthracene	32	U	32	6.5
206-44-0	Fluoranthene	53		32	6.4
86-73-7	Fluorene	32	U	32	6.5
193-39-5	Indeno[1,2,3-cd]pyrene	110		32	11
90-12-0	1-Methylnaphthalene	42	J	64	7.0
91-57-6	2-Methylnaphthalene	70		64	11
91-20-3	Naphthalene	51	J	64	7.0
85-01-8	Phenanthrene	47		13	6.2
129-00-0	Pyrene	38		32	5.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	49		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12017.D
 Lab Smp Id: 680-89038-A-27-A Client Smp ID: CV1193B-CS
 Inj Date : 12-APR-2013 16:01
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-27-a
 Misc Info : 680-89038-A-27-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.260	Weight Extracted
M	38.407	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL	ON-COLUMN	FINAL	
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136	3.669	3.669	(1.000)	267138	40.0000	
* 6 Acenaphthene-d10	164	4.757	4.757	(1.000)	180206	40.0000	
* 10 Phenanthrene-d10	188	5.698	5.704	(1.000)	348580	40.0000	
\$ 14 o-Terphenyl	230	5.951	5.951	(1.044)	24510	4.93577	525.1332
* 18 Chrysene-d12	240	7.633	7.639	(1.000)	407111	40.0000	
* 23 Perylene-d12	264	8.792	8.792	(1.000)	373212	40.0000	
2 Naphthalene	128	3.680	3.680	(1.003)	3462	0.47942	51.0076(Q)
3 2-Methylnaphthalene	142	4.104	4.110	(1.119)	1871	0.66013	70.2333
4 1-Methylnaphthalene	142	4.169	4.169	(1.136)	1837	0.39826	42.3719
11 Phenanthrene	178	5.716	5.716	(1.003)	4457	0.44296	47.1283
12 Anthracene	178	5.745	5.751	(1.008)	1391	0.13746	14.6243(Q)
13 Carbazole	167	5.857	5.857	(1.028)	1174	0.12456	13.2526
15 Fluoranthene	202	6.545	6.551	(1.149)	5608	0.49593	52.7638
16 Pyrene	202	6.715	6.716	(0.880)	4139	0.35737	38.0216

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====
17 Benzo(a)anthracene	228	7.627	7.627	(0.999)	5740	0.49860	53.0474
19 Chrysene	228	7.651	7.657	(1.002)	6522	0.57268	60.9294
20 Benzo(b)fluoranthene	252	8.462	8.457	(0.963)	7300	0.77442	82.3934
21 Benzo(k)fluoranthene	252	8.480	8.480	(0.965)	2758	0.25857	27.5098
22 Benzo(a)pyrene	252	8.739	8.739	(0.994)	3199	0.32831	34.9297
24 Indeno(1,2,3-cd)pyrene	276	9.915	9.921	(1.128)	3760	1.02783	109.3540
26 Benzo(g,h,i)perylene	276	10.239	10.256	(1.165)	3232	0.35388	37.6506(M)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: 1CD12017.D

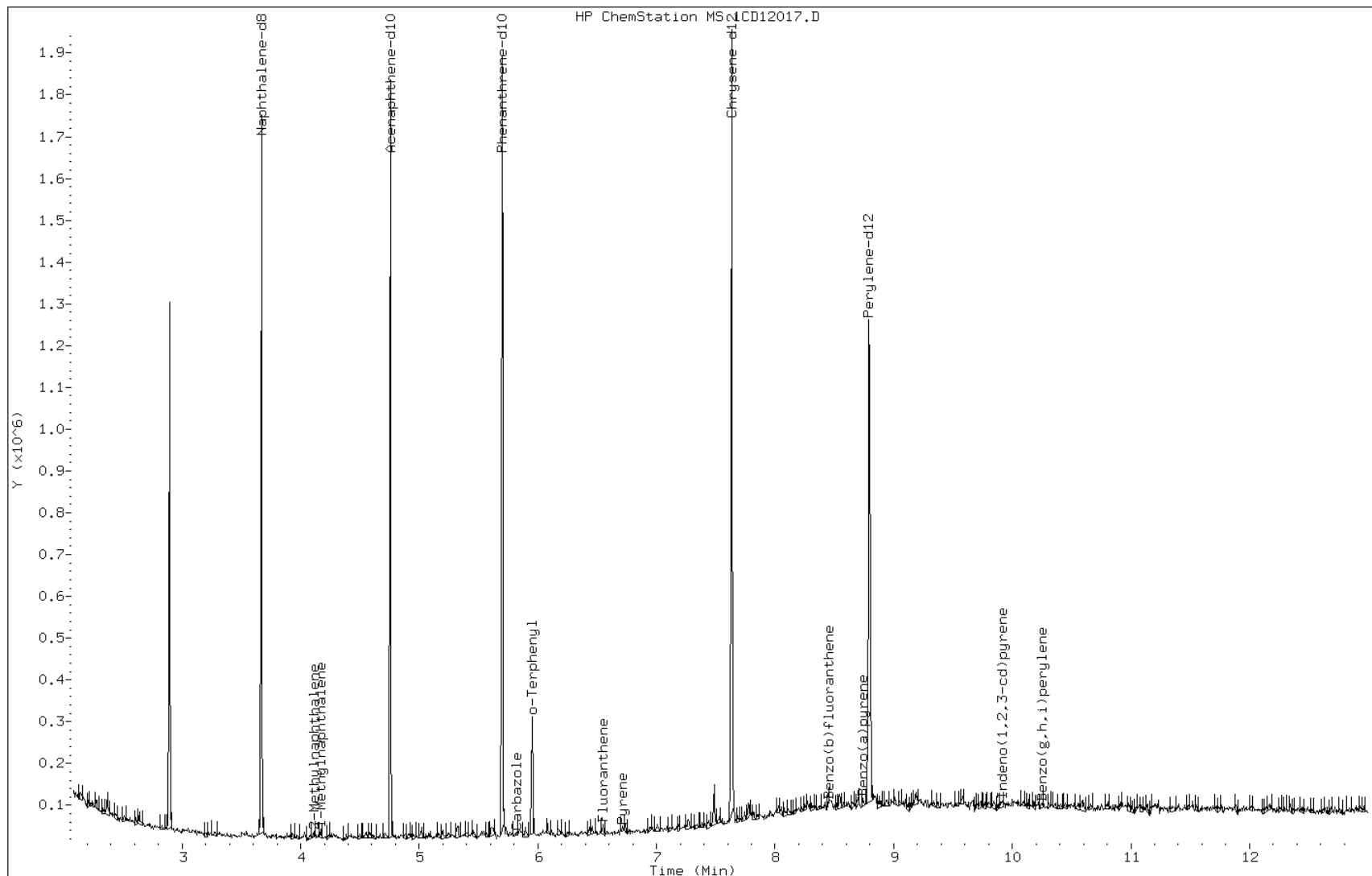
Date: 12-APR-2013 16:01

Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

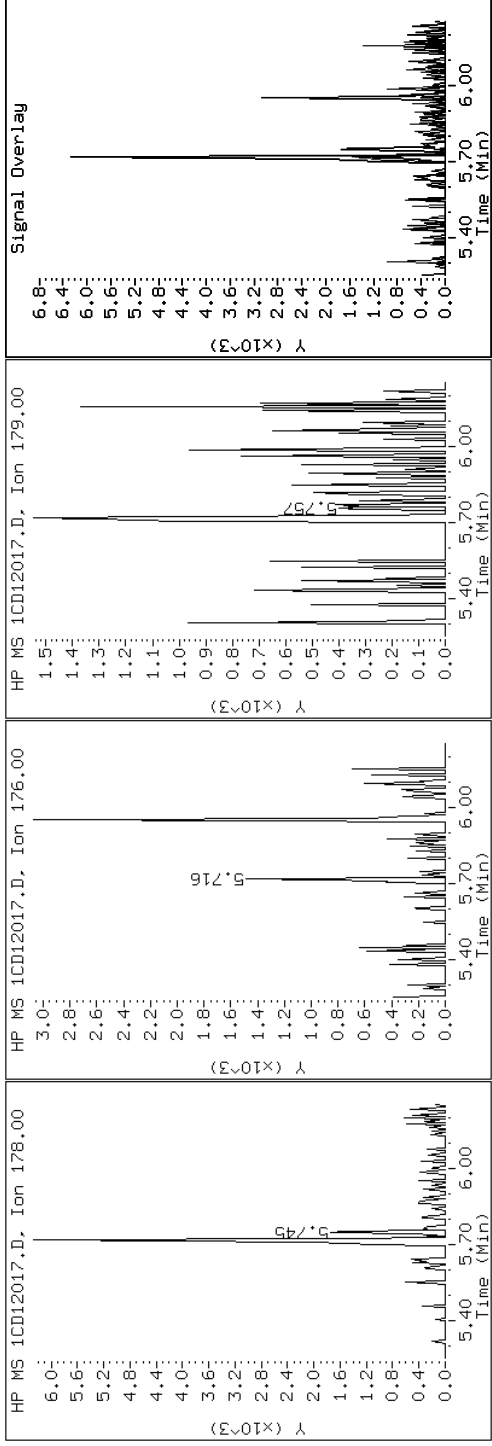
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

12 Anthracene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

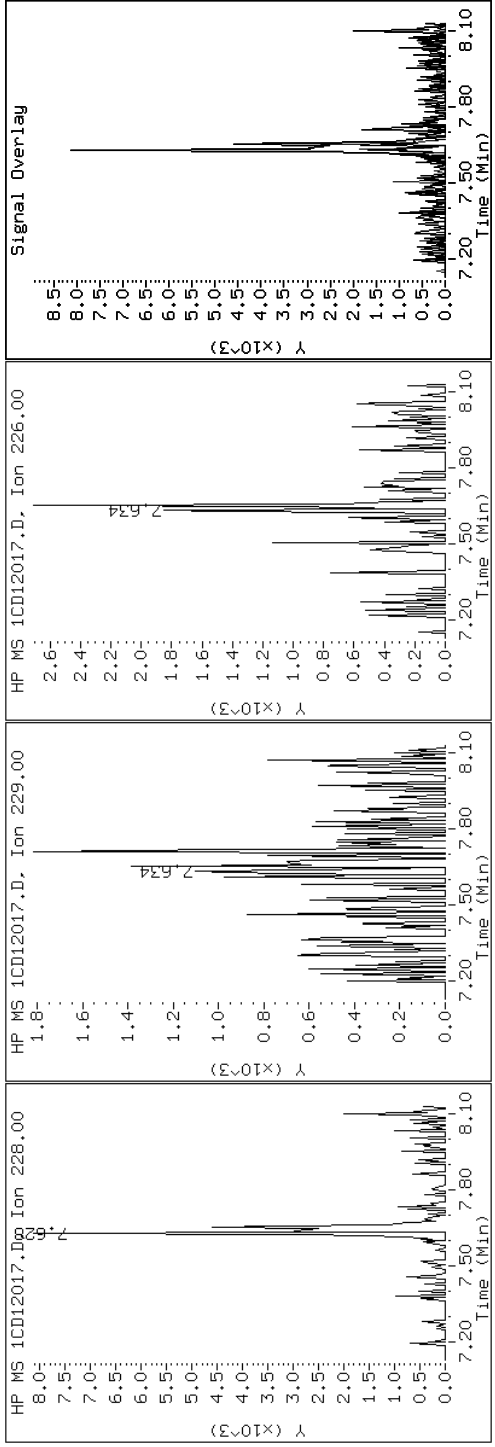
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

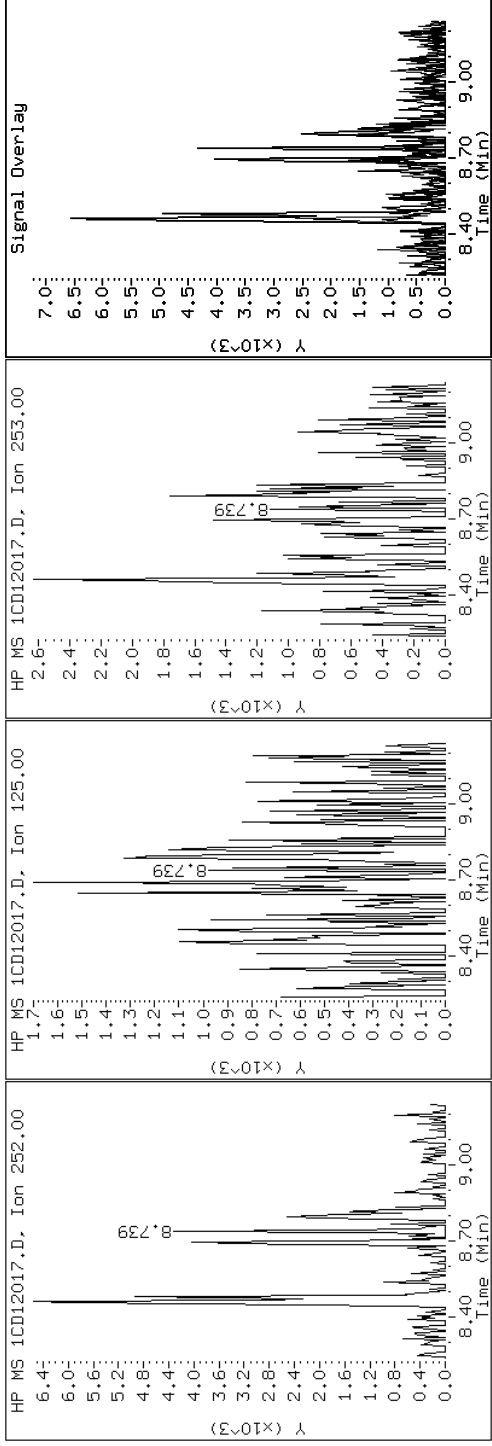
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

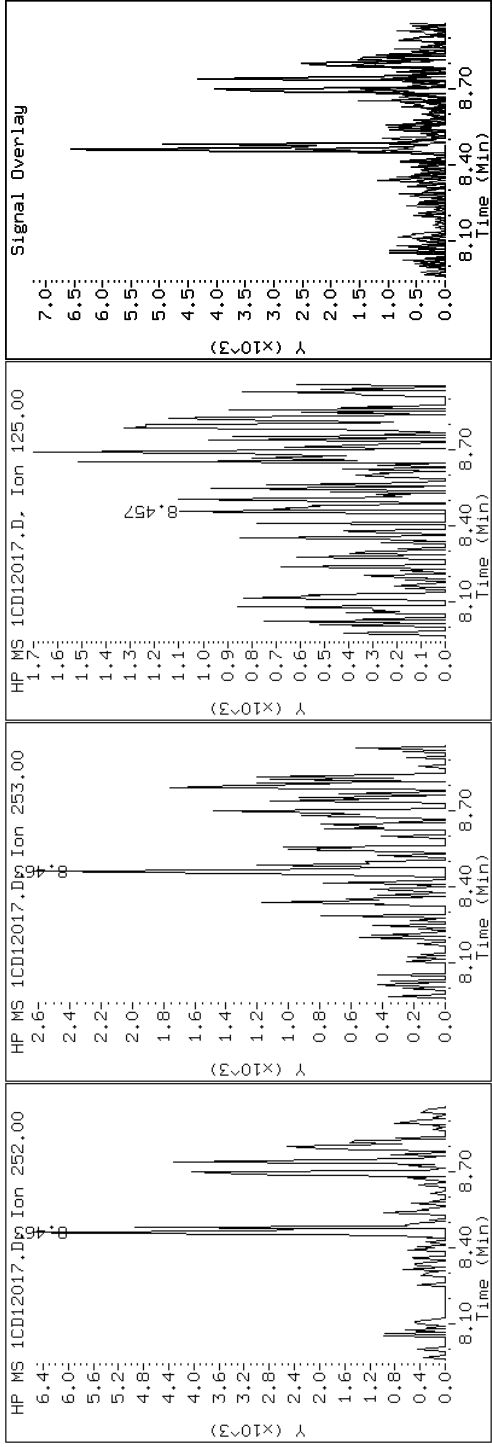
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

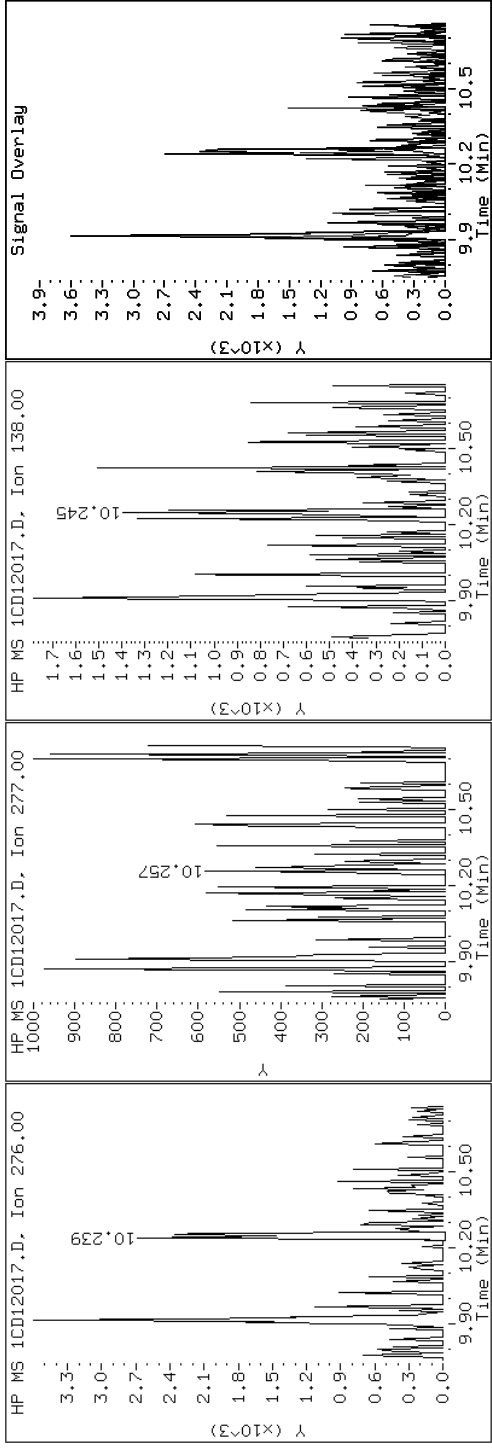
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

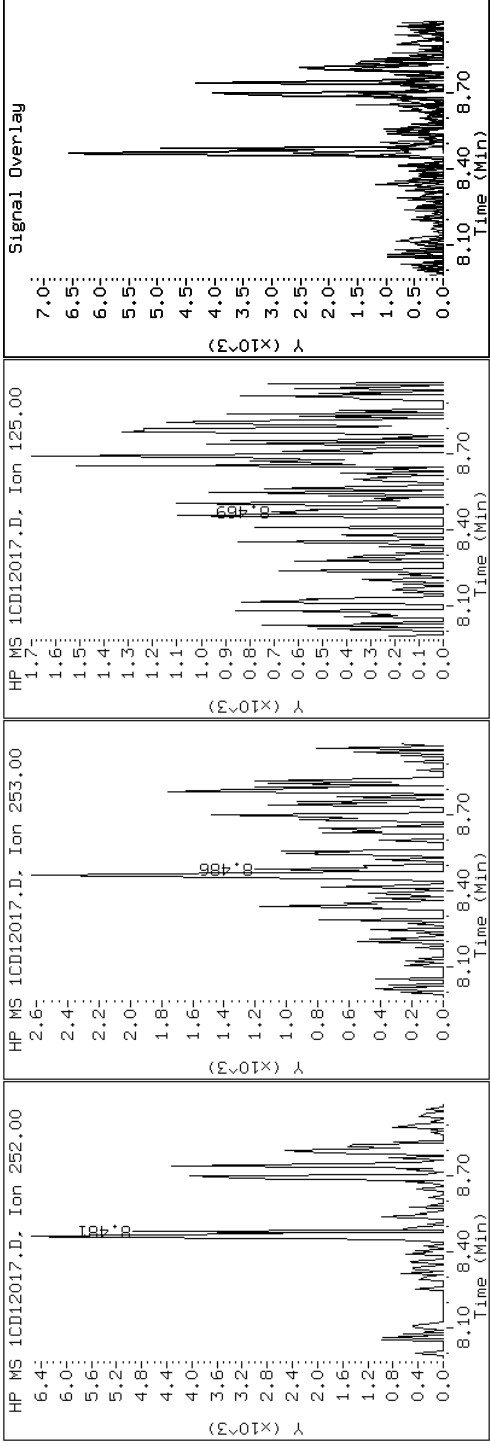
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

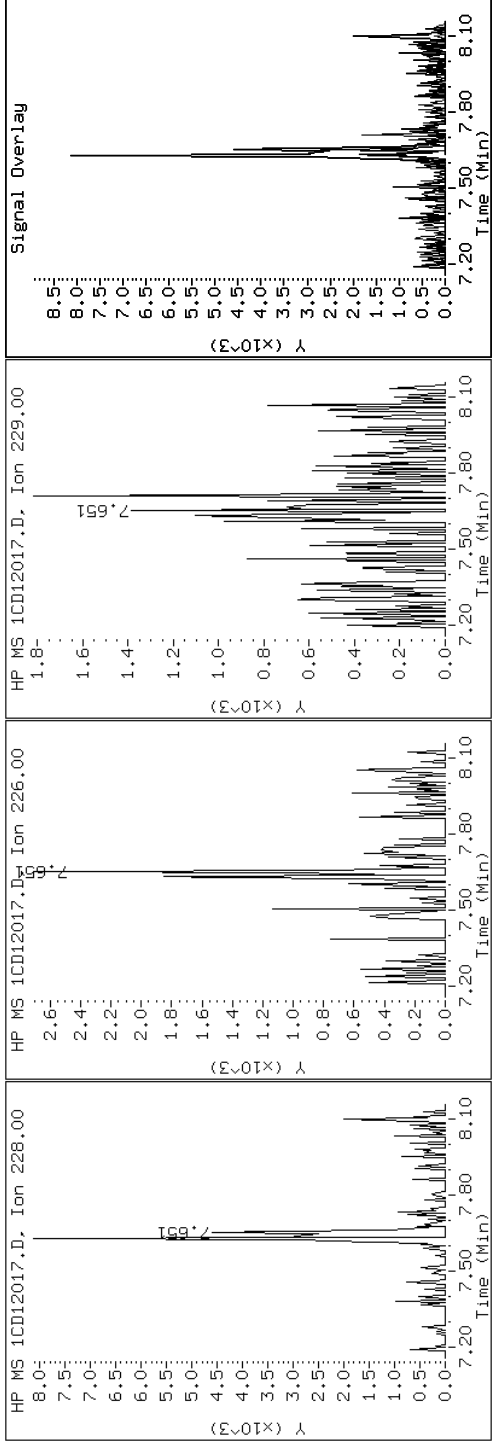
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

19 Chrysene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

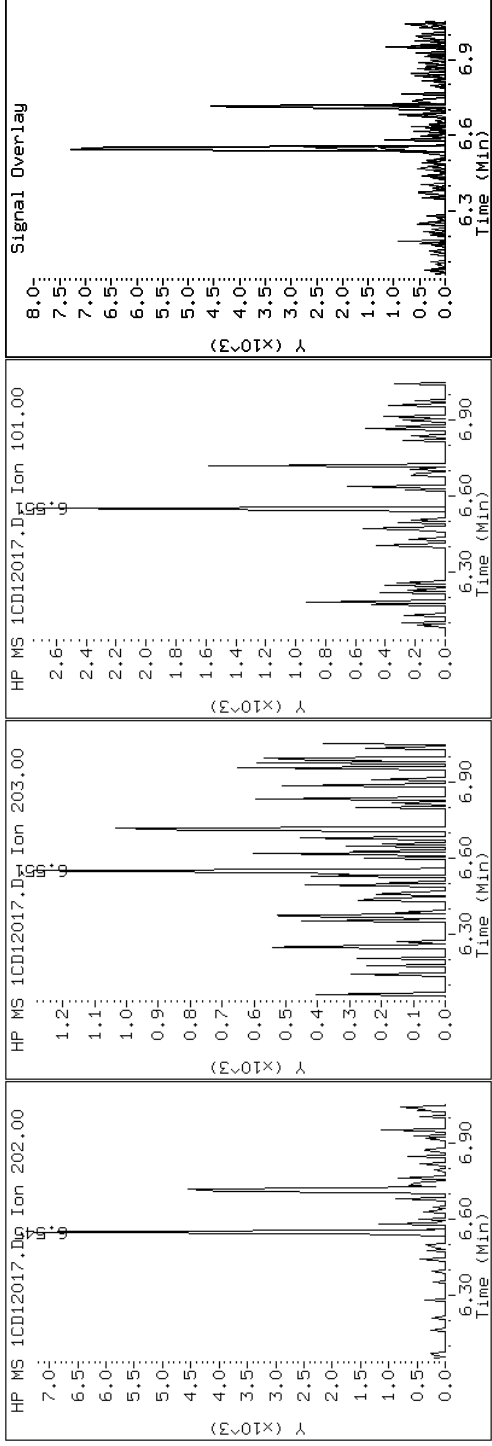
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

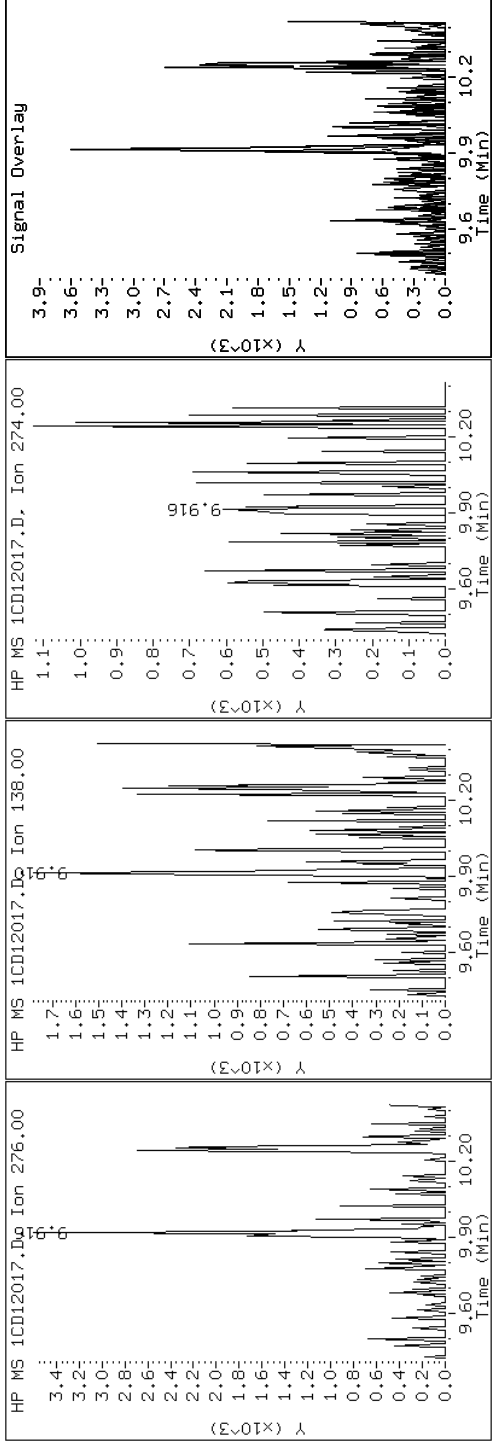
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

24 Indeno(1,2,3-cd)pyrene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

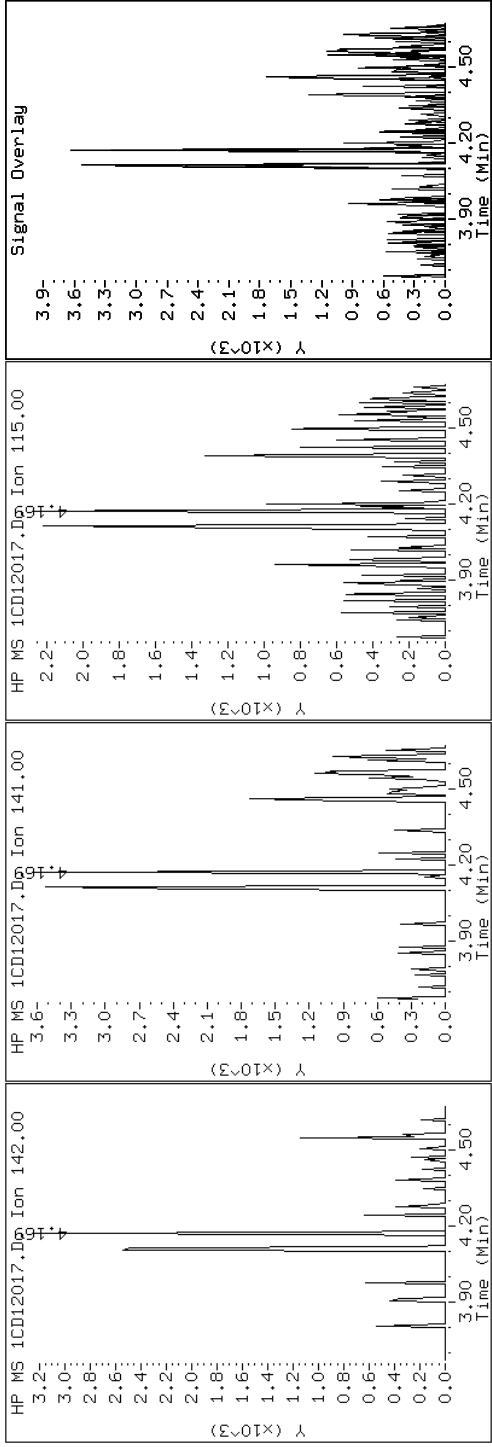
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

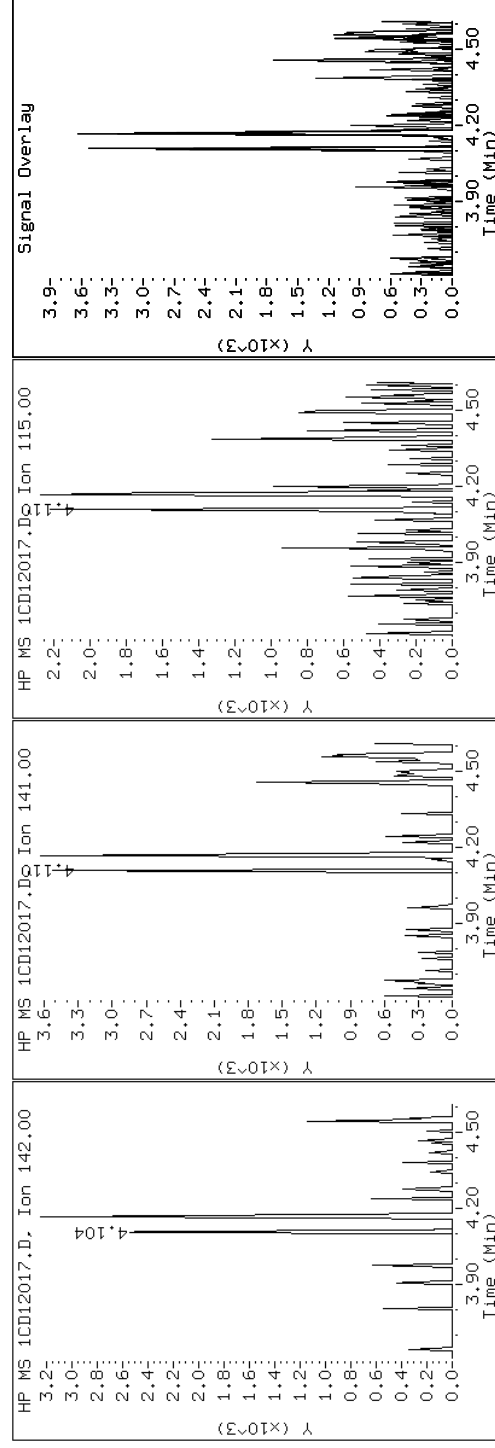
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

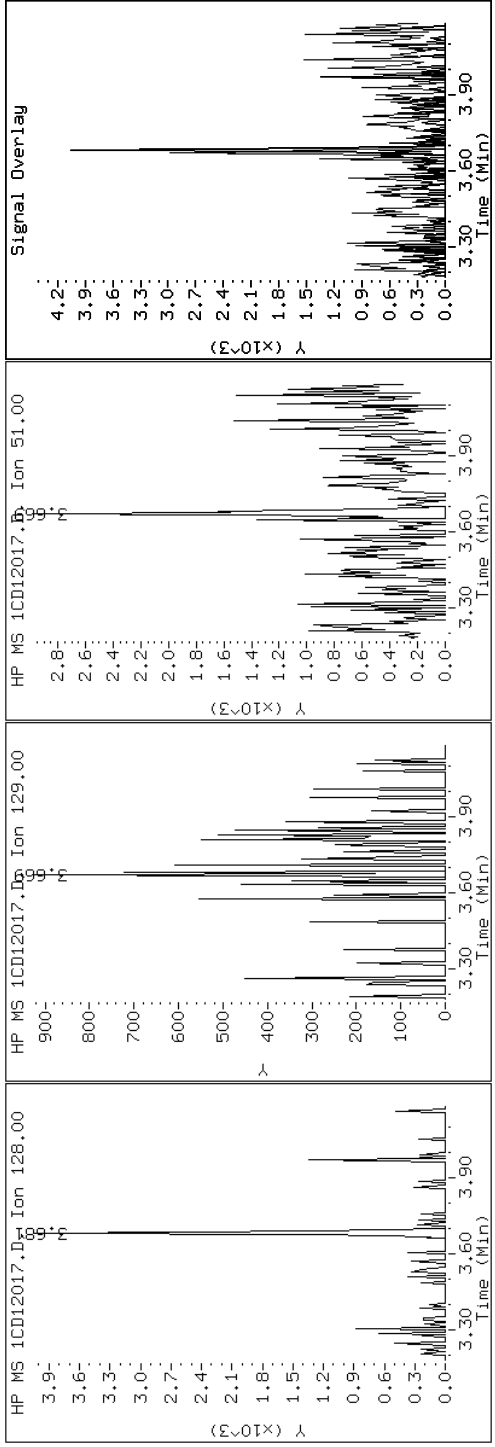
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

2 Naphthalene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

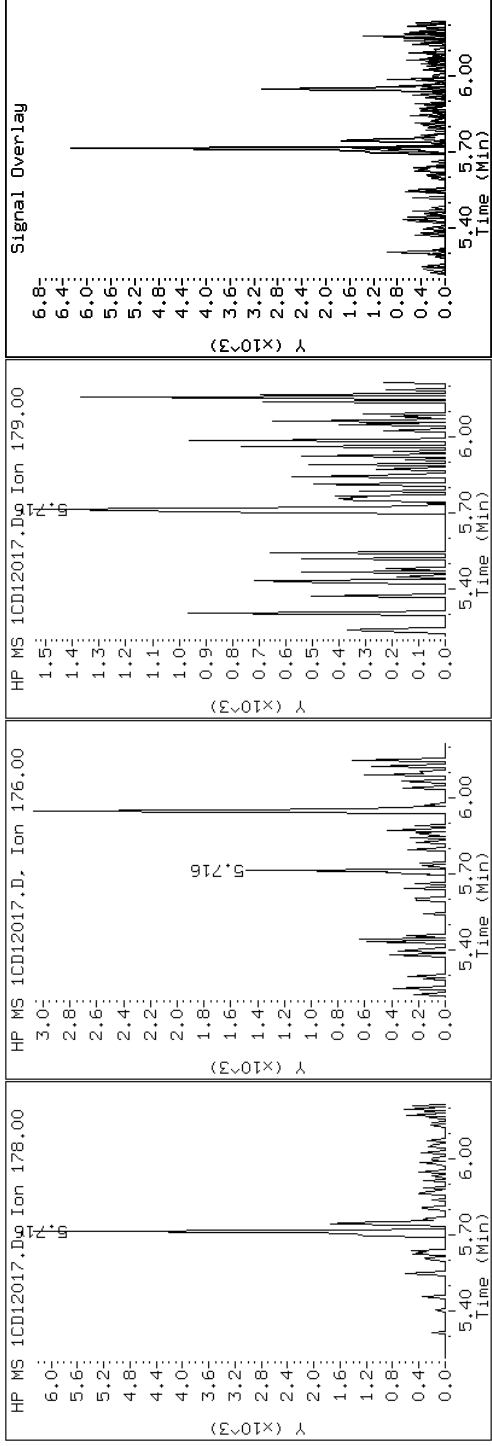
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

11 Phenanthrene



Data File: 1CD12017.D

Date: 12-APR-2013 16:01

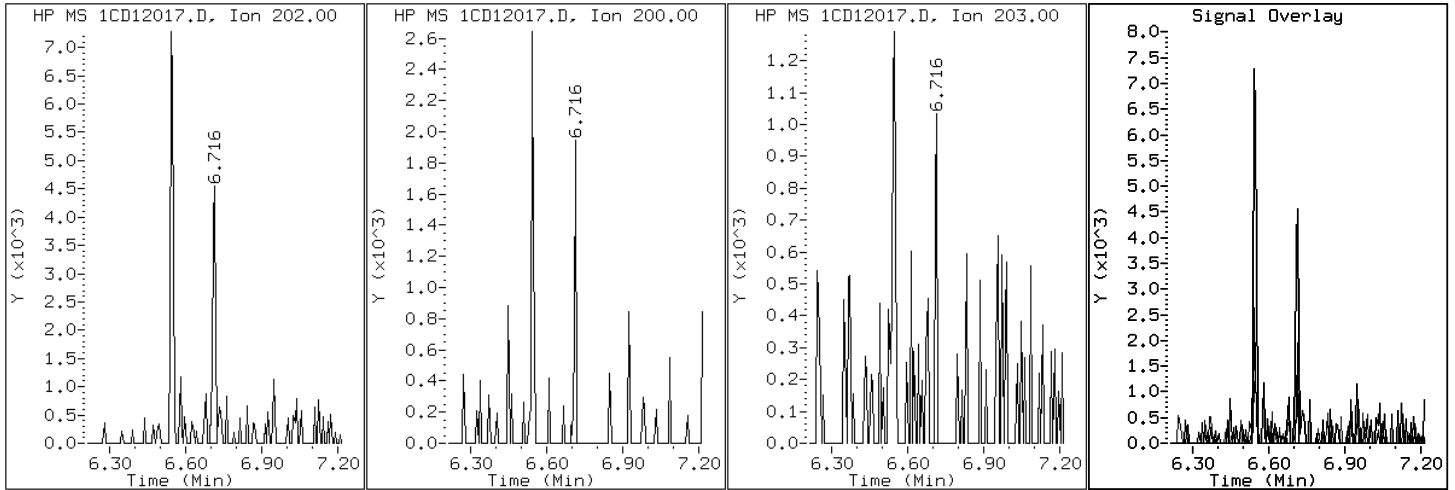
Client ID: CV1193B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-27-a

Operator: SCC

16 Pyrene

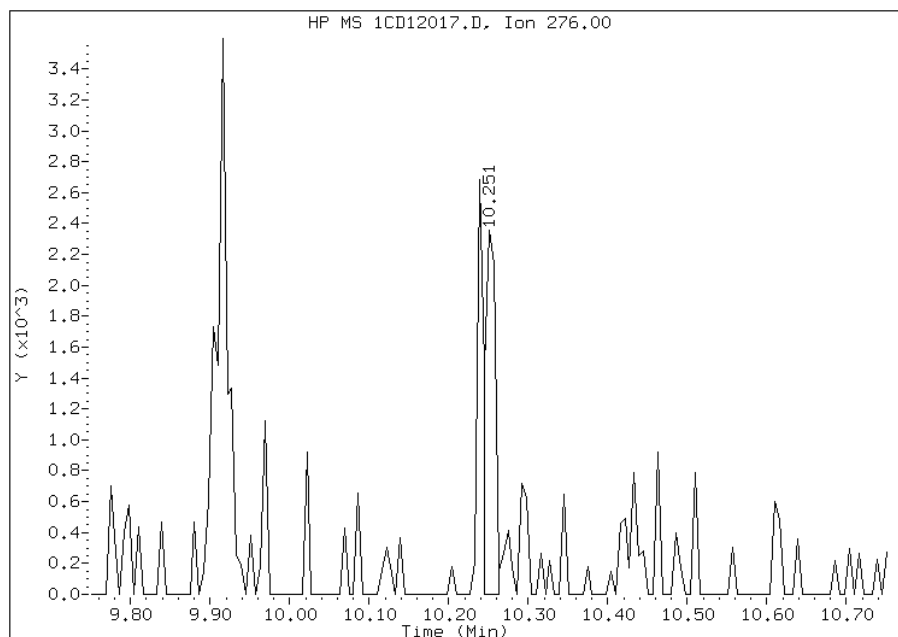


Manual Integration Report

Data File: 1CD12017.D
Inj. Date and Time: 12-APR-2013 16:01
Instrument ID: BSMC5973.i
Client ID: CV1193B-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

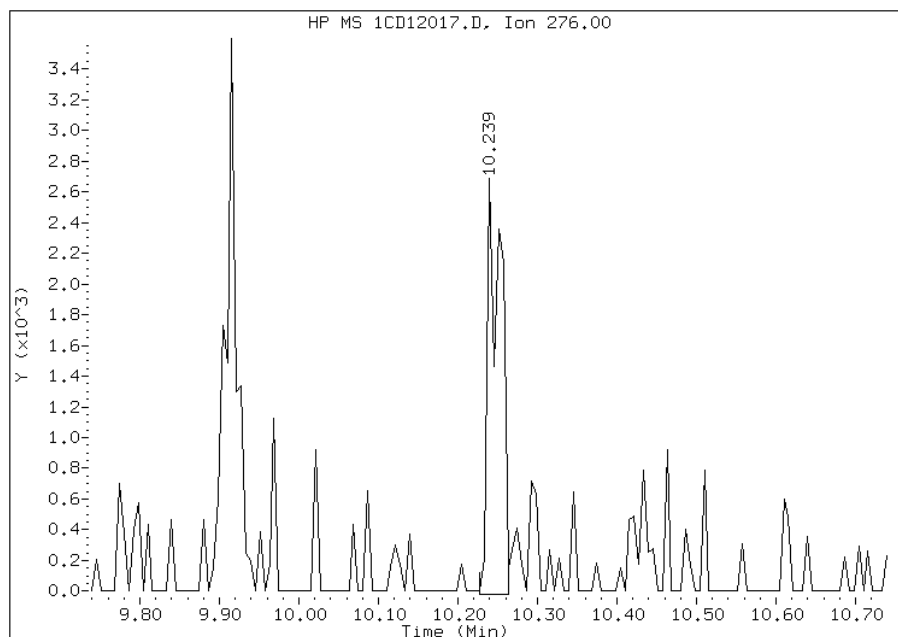
Processing Integration Results

RT: 10.25
Response: 2157
Amount: 0
Conc: 25



Manual Integration Results

RT: 10.24
Response: 3232
Amount: 0
Conc: 38



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:21
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1193B-CSD Lab Sample ID: 680-89038-28
 Matrix: Solid Lab File ID: 1CD12018.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 15:34
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.18(g) Date Analyzed: 04/12/2013 16:19
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 43.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	180	U	180	35
208-96-8	Acenaphthylene	14	J	70	8.8
120-12-7	Anthracene	12	J	15	7.4
56-55-3	Benzo[a]anthracene	82		14	6.9
50-32-8	Benzo[a]pyrene	52		18	9.1
205-99-2	Benzo[b]fluoranthene	100		21	11
191-24-2	Benzo[g,h,i]perylene	56		35	7.7
207-08-9	Benzo[k]fluoranthene	36		14	6.3
218-01-9	Chrysene	61		16	7.9
53-70-3	Dibenz(a,h)anthracene	35	U	35	7.2
206-44-0	Fluoranthene	72		35	7.0
86-73-7	Fluorene	35	U	35	7.2
193-39-5	Indeno[1,2,3-cd]pyrene	130		35	12
90-12-0	1-Methylnaphthalene	100		70	7.7
91-57-6	2-Methylnaphthalene	110		70	12
91-20-3	Naphthalene	85		70	7.7
85-01-8	Phenanthrene	78		14	6.9
129-00-0	Pyrene	70		35	6.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	65		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12018.D
 Lab Smp Id: 680-89038-A-28-A Client Smp ID: CV1193B-CSD
 Inj Date : 12-APR-2013 16:19
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-28-a
 Misc Info : 680-89038-A-28-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.180	Weight Extracted
M	43.792	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	271526	40.0000	
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	200811	40.0000	
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	362052	40.0000	
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	34807	6.49525	761.2515
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	437629	40.0000	
* 23 Perylene-d12	264		8.792	8.792	(1.000)	415657	40.0000	
2 Naphthalene	128		3.680	3.680	(1.003)	5344	0.72809	85.3329
3 2-Methylnaphthalene	142		4.110	4.110	(1.120)	3463	0.97818	114.6444
4 1-Methylnaphthalene	142		4.168	4.169	(1.136)	4136	0.88218	103.3931(Q)
5 Acenaphthylene	152		4.668	4.669	(0.981)	1041	0.12234	14.3383(Q)
11 Phenanthrene	178		5.715	5.716	(1.003)	6978	0.66361	77.7755
12 Anthracene	178		5.751	5.751	(1.009)	1034	0.09838	11.5297
15 Fluoranthene	202		6.545	6.551	(1.149)	7214	0.61422	71.9870
16 Pyrene	202		6.715	6.716	(0.880)	7385	0.59317	69.5201

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
17 Benzo(a)anthracene	228	7.621	7.627	(0.998)	8685	0.70180	82.2521
19 Chrysene	228	7.651	7.657	(1.002)	6344	0.51821	60.7343
20 Benzo(b)fluoranthene	252	8.456	8.457	(0.962)	8958	0.85327	100.0044(M)
21 Benzo(k)fluoranthene	252	8.468	8.480	(0.963)	3676	0.30944	36.2667(QM)
22 Benzo(a)pyrene	252	8.739	8.739	(0.994)	4842	0.44618	52.2931
24 Indeno(1,2,3-cd)pyrene	276	9.915	9.921	(1.128)	5268	1.12803	132.2072(MH)
26 Benzo(g,h,i)perylene	276	10.245	10.256	(1.165)	4842	0.47603	55.7909

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD12018.D

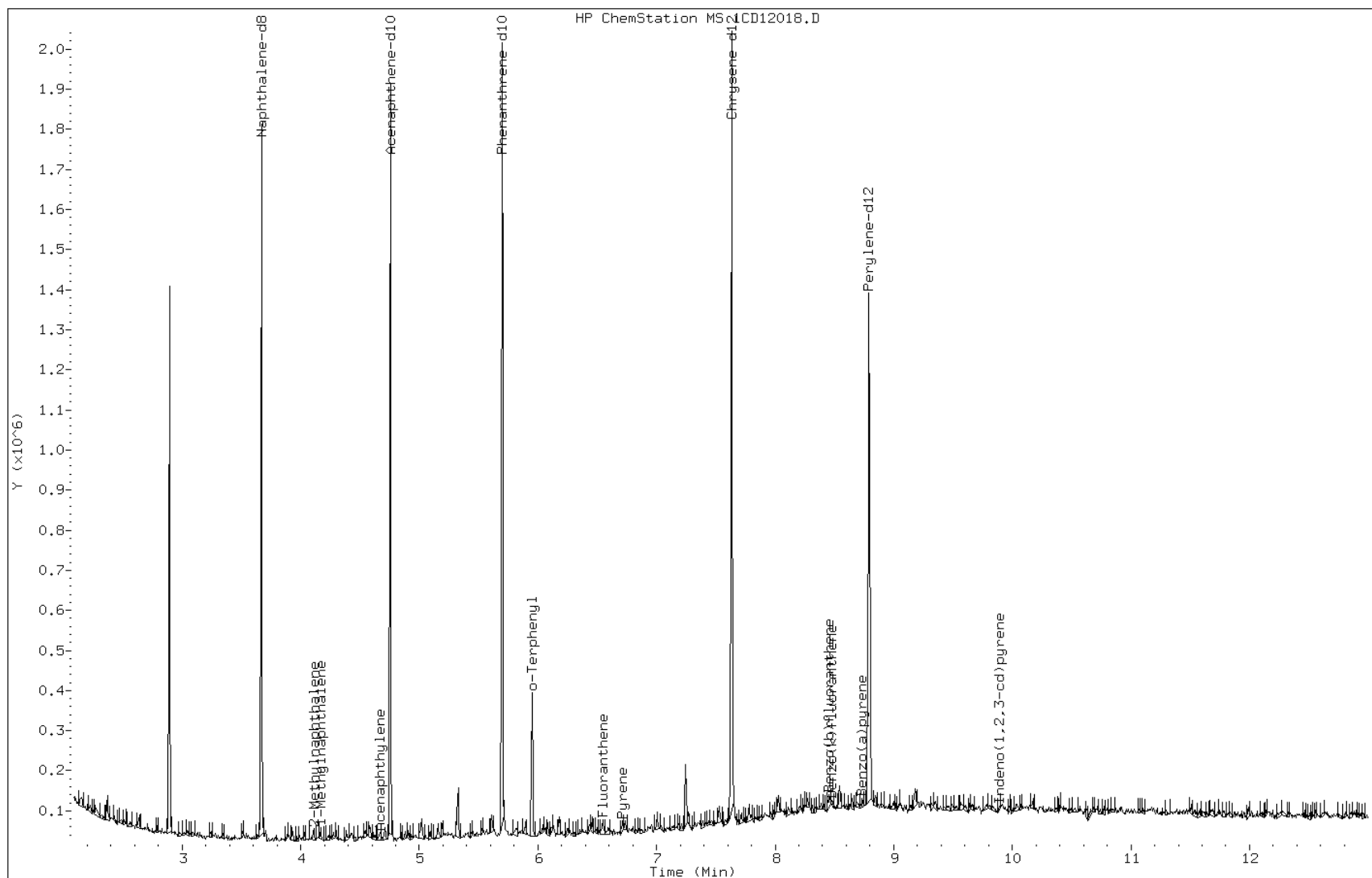
Date: 12-APR-2013 16:19

Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

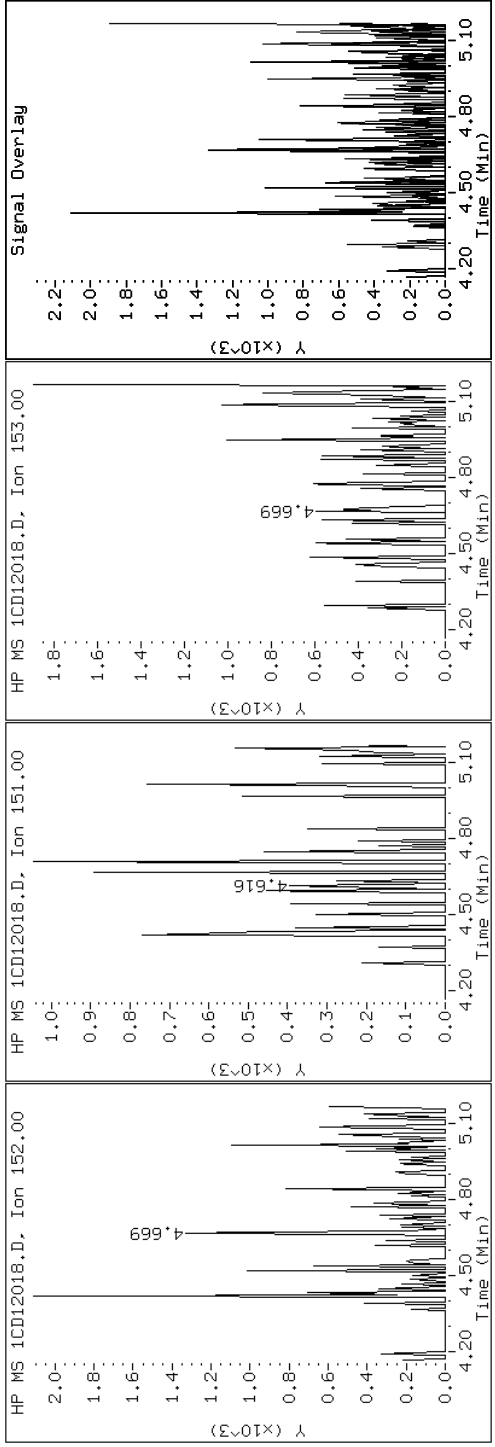
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

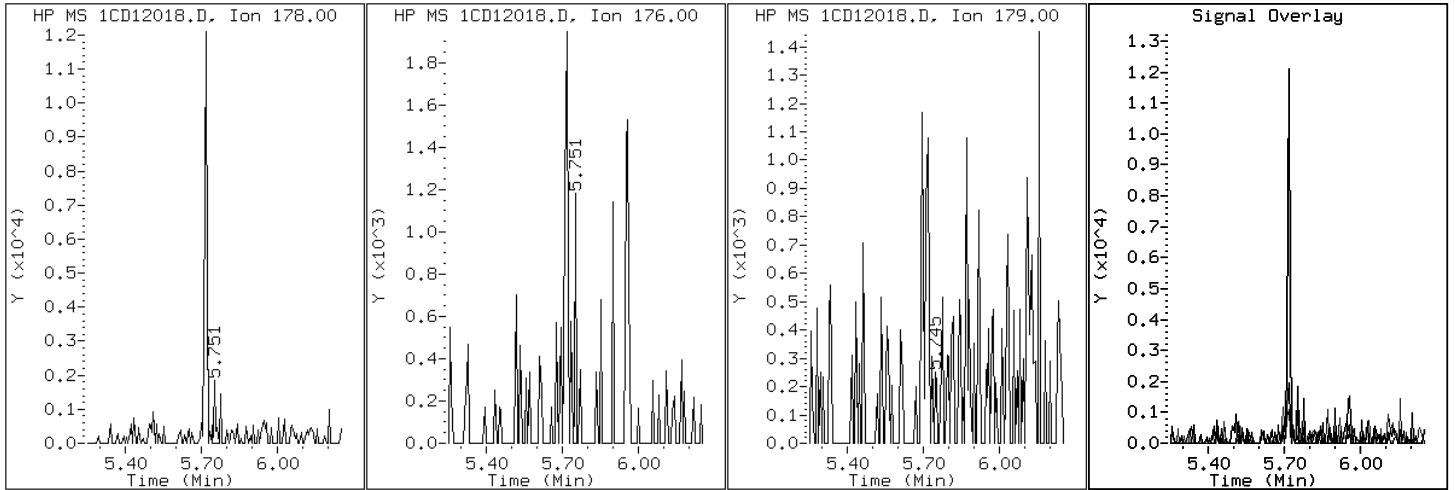
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

12 Anthracene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

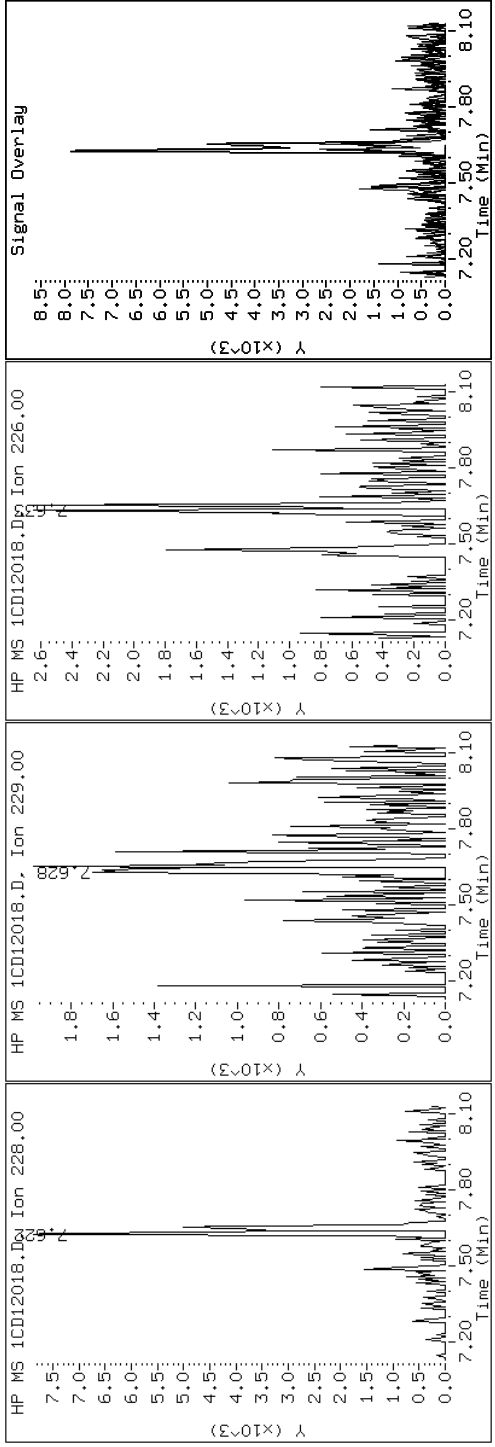
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

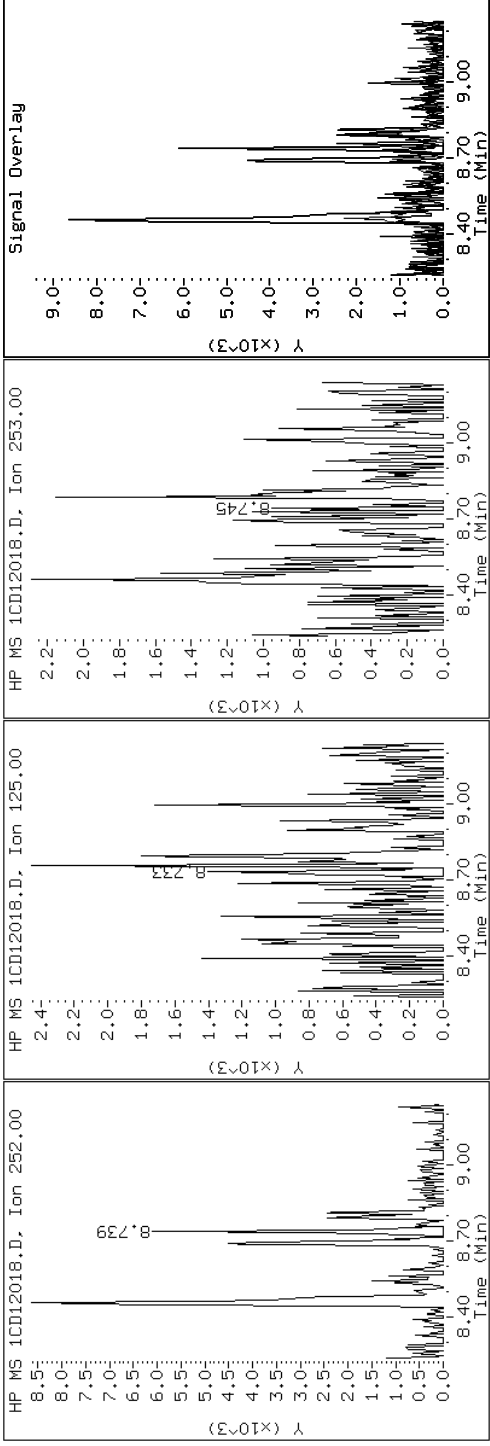
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

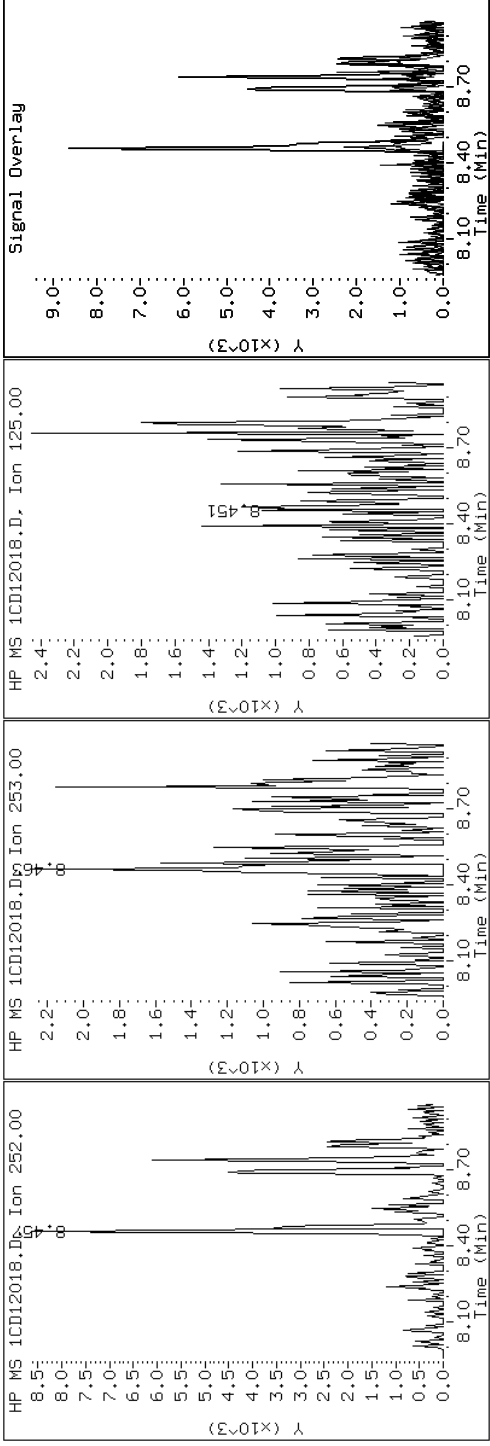
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

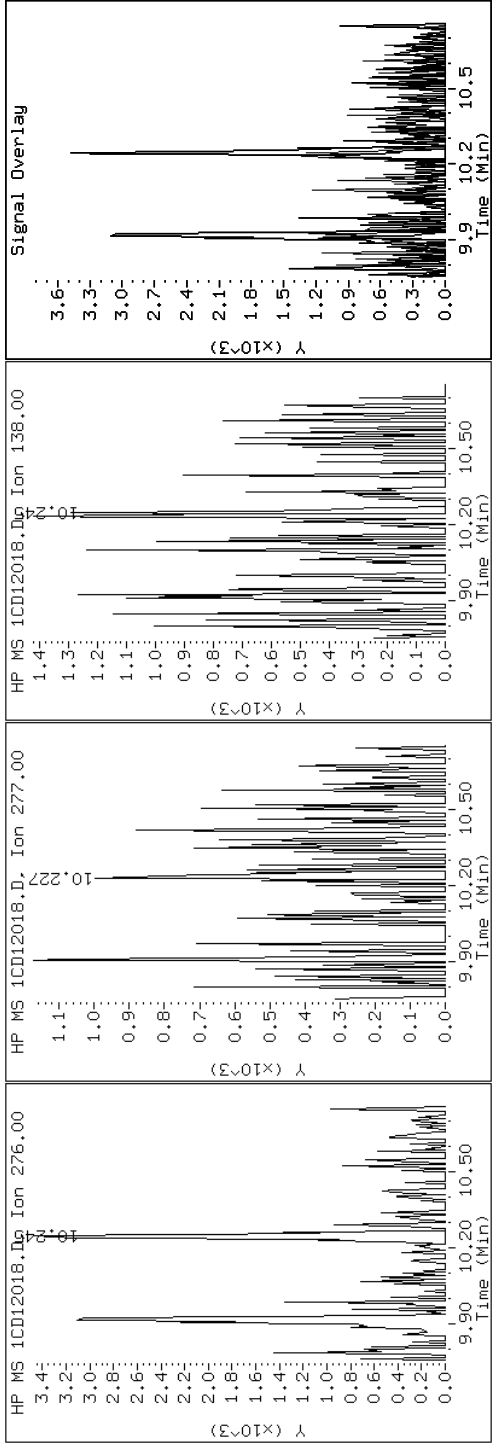
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

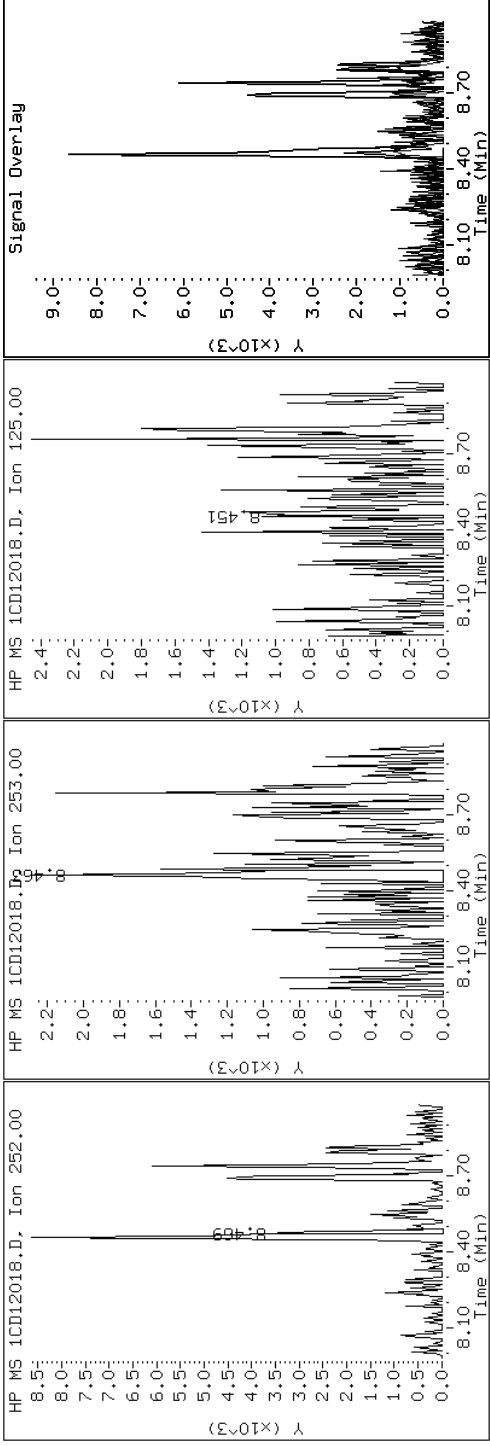
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

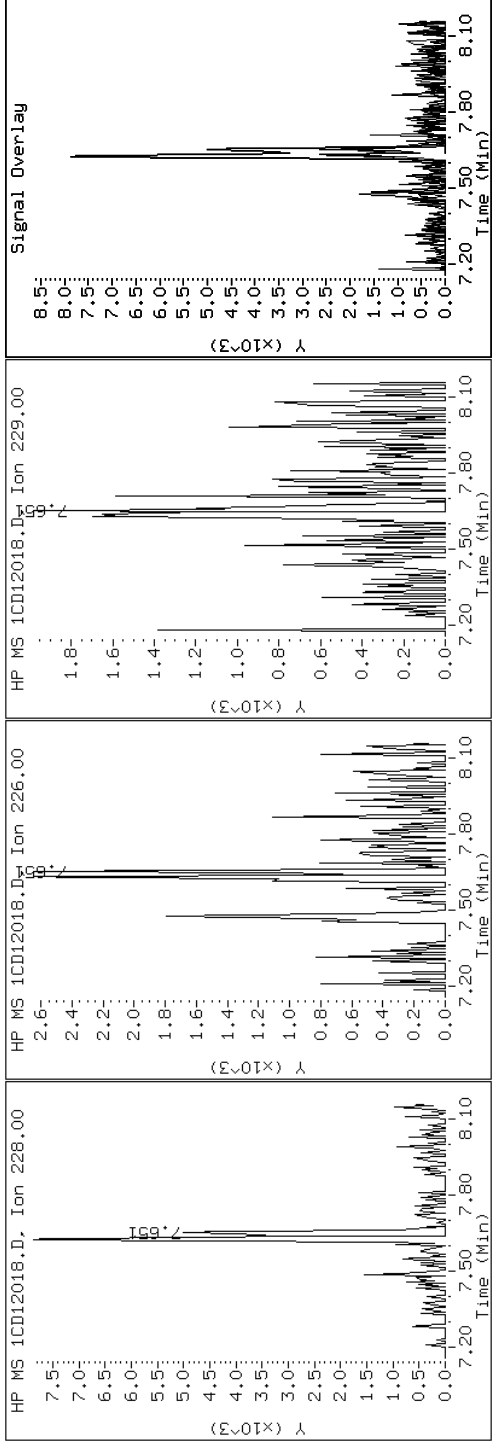
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

19 Chrysene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

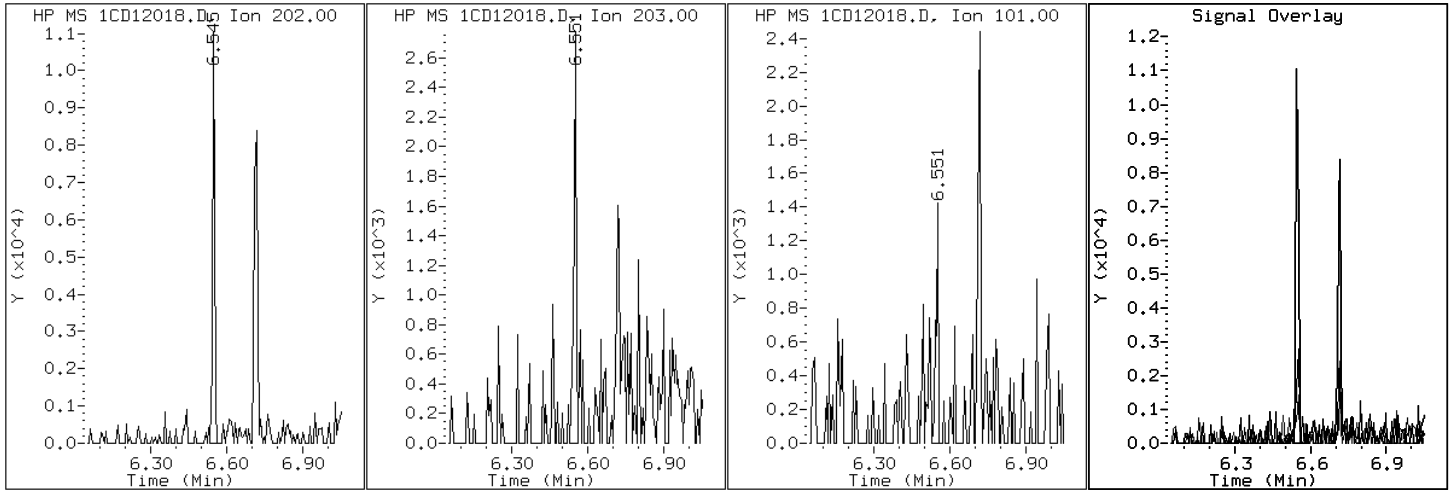
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

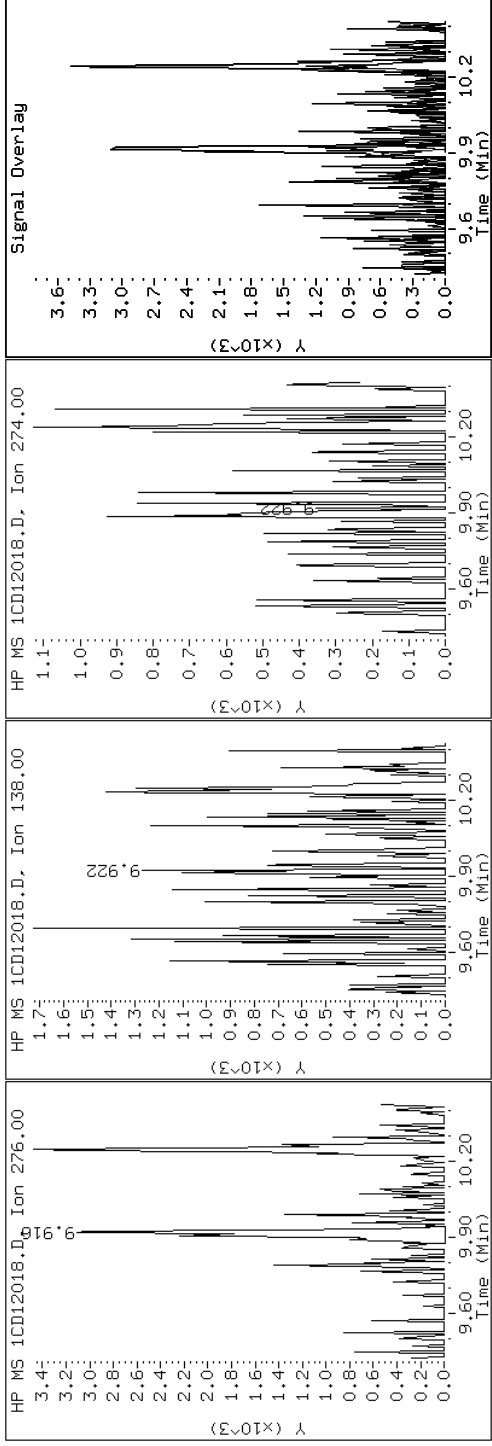
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

24 Indeno(1,2,3-cd)pyrene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

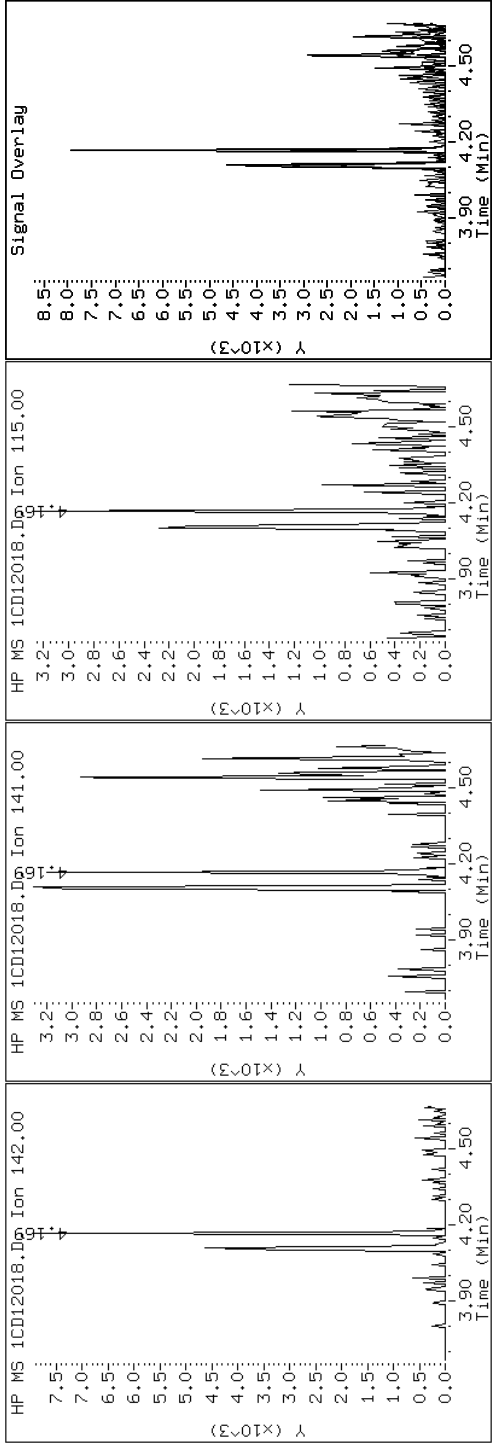
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

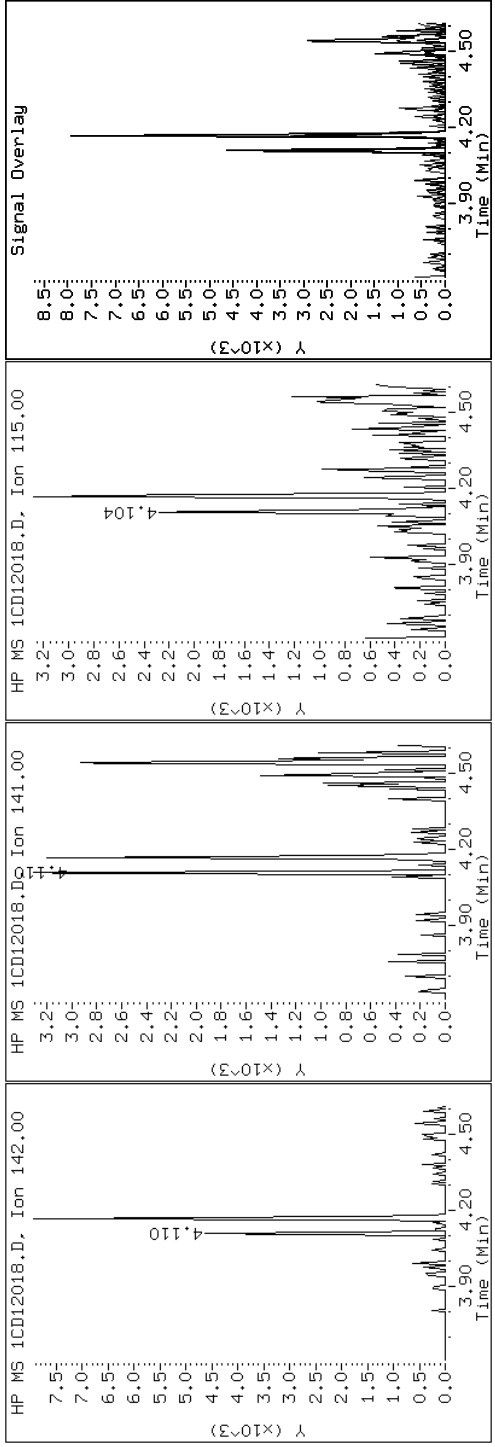
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

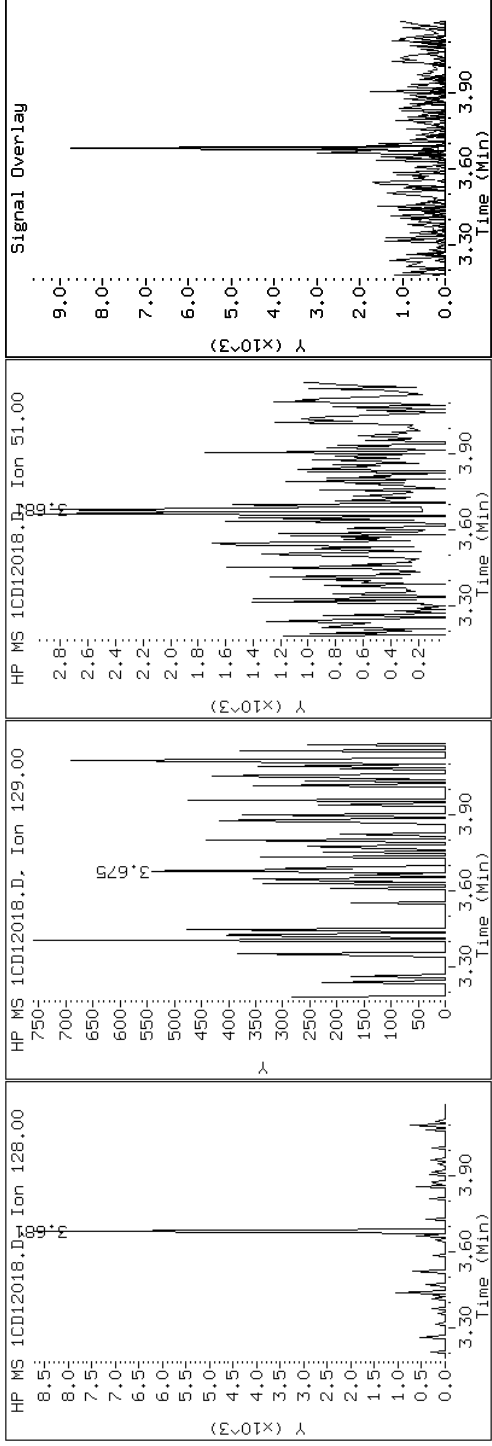
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

2 Naphthalene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

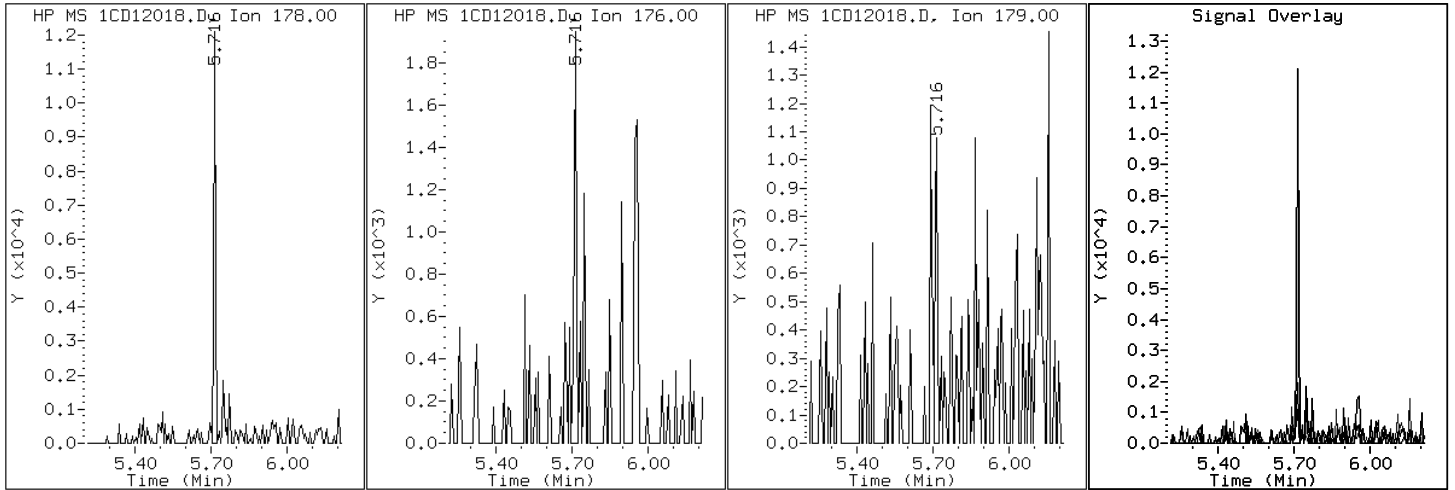
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

11 Phenanthrene



Data File: 1CD12018.D

Date: 12-APR-2013 16:19

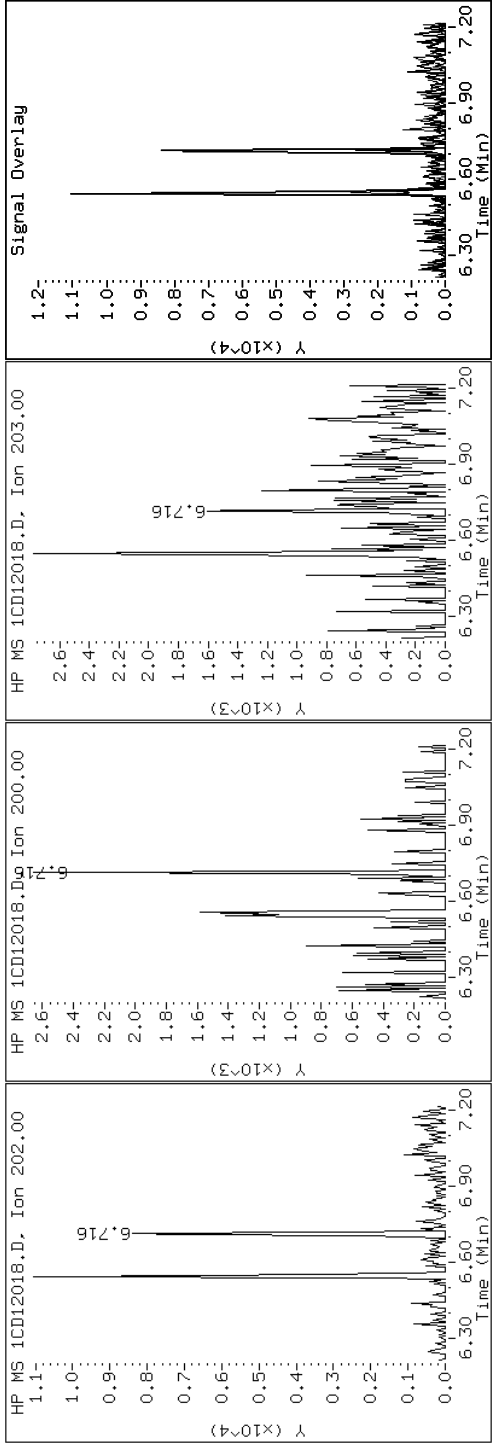
Client ID: CV1193B-CSD

Instrument: BSMC5973.i

Sample Info: 680-89038-a-28-a

Operator: SCC

16 Pyrene

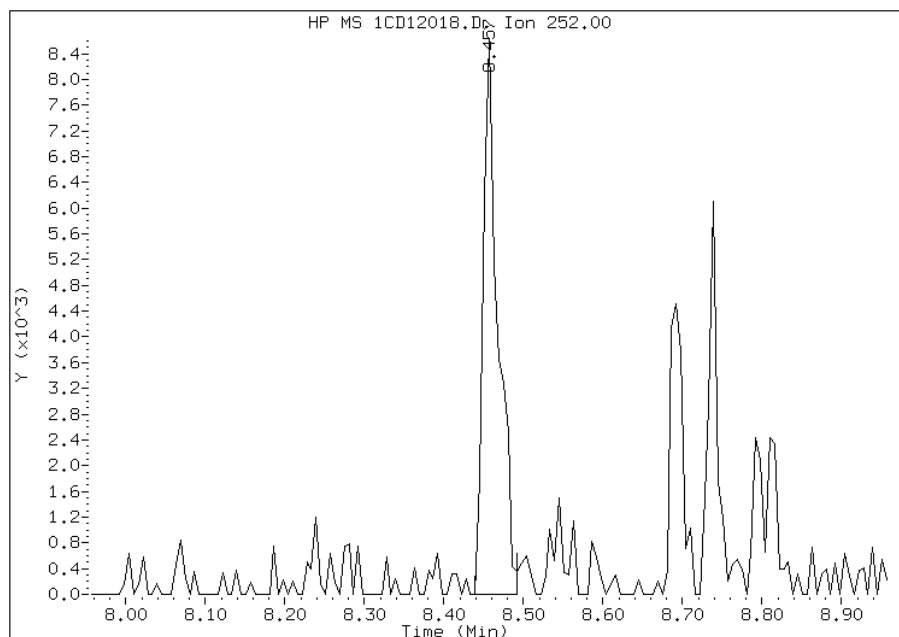


Manual Integration Report

Data File: 1CD12018.D
Inj. Date and Time: 12-APR-2013 16:19
Instrument ID: BSMC5973.i
Client ID: CV1193B-CSD
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/15/2013

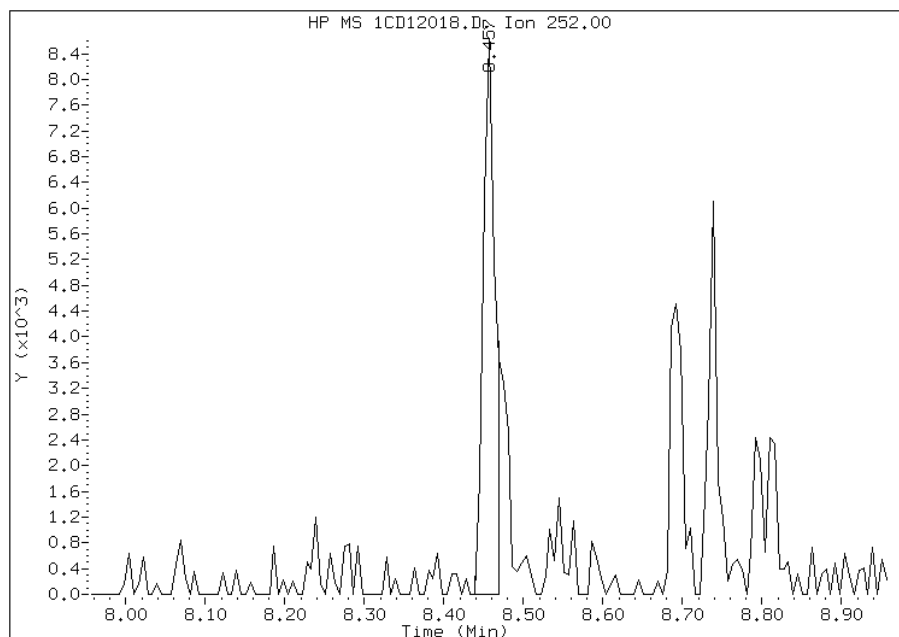
Processing Integration Results

RT: 8.46
Response: 11280
Amount: 1
Conc: 126



Manual Integration Results

RT: 8.46
Response: 8958
Amount: 1
Conc: 100



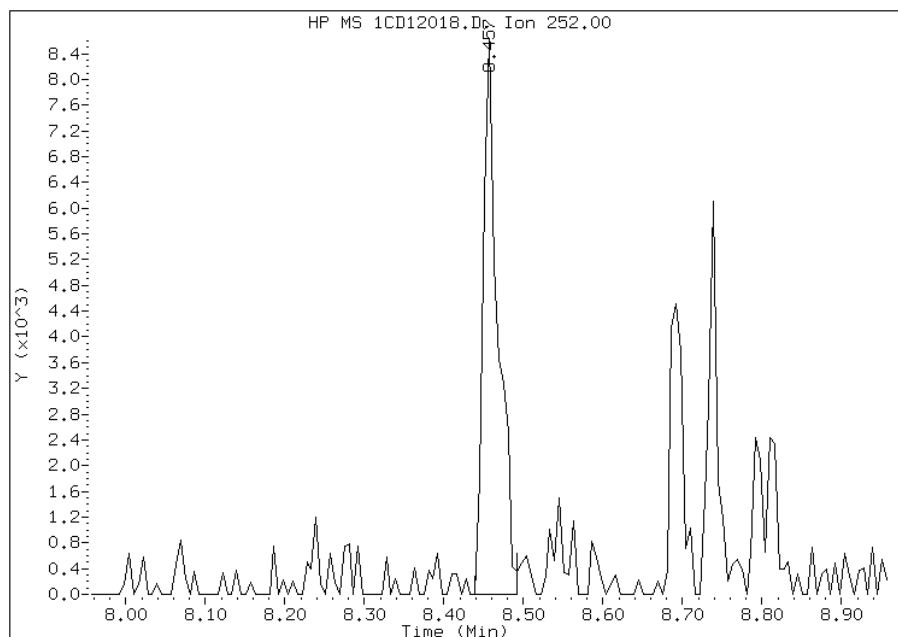
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:22
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD12018.D
Inj. Date and Time: 12-APR-2013 16:19
Instrument ID: BSMC5973.i
Client ID: CV1193B-CSD
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/15/2013

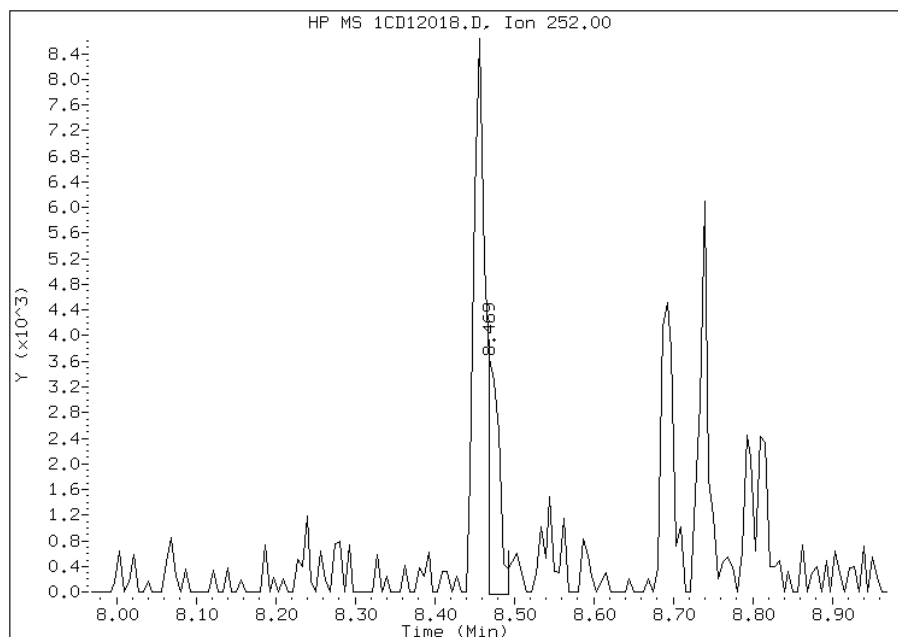
Processing Integration Results

RT: 8.46
Response: 11280
Amount: 1
Conc: 111



Manual Integration Results

RT: 8.47
Response: 3676
Amount: 0
Conc: 36



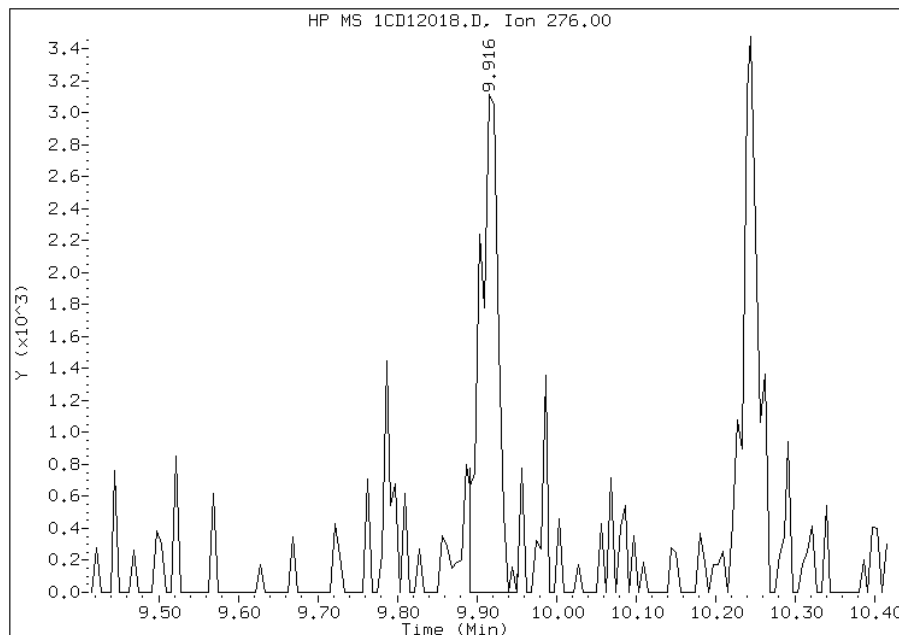
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:22
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD12018.D
Inj. Date and Time: 12-APR-2013 16:19
Instrument ID: BSMC5973.i
Client ID: CV1193B-CSD
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/15/2013

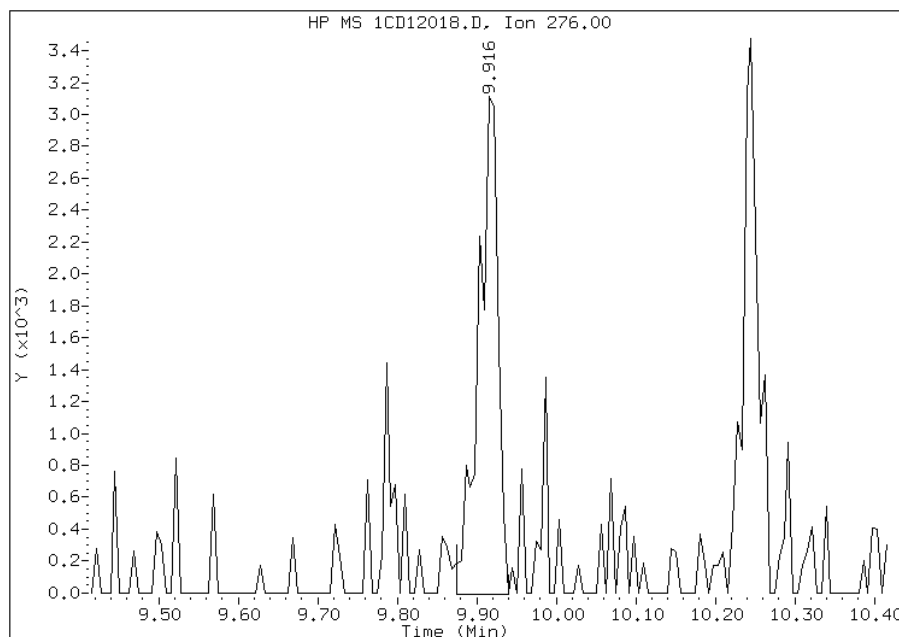
Processing Integration Results

RT: 9.92
Response: 4866
Amount: 1
Conc: 128



Manual Integration Results

RT: 9.92
Response: 5268
Amount: 1
Conc: 132



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:23
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1251A-CS Lab Sample ID: 680-89038-29
 Matrix: Solid Lab File ID: 1CD12019.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 13:42
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.44(g) Date Analyzed: 04/12/2013 16:38
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 34.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	30
208-96-8	Acenaphthylene	60	U	60	7.5
120-12-7	Anthracene	13	U	13	6.3
56-55-3	Benzo[a]anthracene	12	U	12	5.8
50-32-8	Benzo[a]pyrene	18		16	7.8
205-99-2	Benzo[b]fluoranthene	33		18	9.1
191-24-2	Benzo[g,h,i]perylene	14	J	30	6.6
207-08-9	Benzo[k]fluoranthene	21		12	5.4
218-01-9	Chrysene	22		13	6.7
53-70-3	Dibenz(a,h)anthracene	30	U	30	6.1
206-44-0	Fluoranthene	30		30	6.0
86-73-7	Fluorene	30	U	30	6.1
193-39-5	Indeno[1,2,3-cd]pyrene	30	U	30	11
90-12-0	1-Methylnaphthalene	20	J	60	6.6
91-57-6	2-Methylnaphthalene	45	J	60	11
91-20-3	Naphthalene	22	J	60	6.6
85-01-8	Phenanthrene	12	U	12	5.8
129-00-0	Pyrene	16	J	30	5.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	67		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12019.D
 Lab Smp Id: 680-89038-A-29-A Client Smp ID: CV1251A-CS
 Inj Date : 12-APR-2013 16:38
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-29-a
 Misc Info : 680-89038-A-29-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.440	Weight Extracted
M	34.834	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.668	3.669	(1.000)	262000	40.0000			
* 6 Acenaphthene-d10	164	4.757	4.757	(1.000)	176748	40.0000			
* 10 Phenanthrene-d10	188	5.698	5.704	(1.000)	347285	40.0000			
\$ 14 o-Terphenyl	230	5.951	5.951	(1.044)	34603	6.70663	666.5565		
* 18 Chrysene-d12	240	7.633	7.639	(1.000)	409645	40.0000			
* 23 Perylene-d12	264	8.792	8.792	(1.000)	393020	40.0000			
2 Naphthalene	128	3.680	3.680	(1.003)	1546	0.21829	21.6954		
3 2-Methylnaphthalene	142	4.110	4.110	(1.120)	865	0.45534	45.2548(Q)		
4 1-Methylnaphthalene	142	4.168	4.169	(1.136)	916	0.20248	20.1241		
15 Fluoranthene	202	6.551	6.551	(1.150)	3382	0.30020	29.8357		
16 Pyrene	202	6.715	6.716	(0.880)	1895	0.16261	16.1609		
19 Chrysene	228	7.656	7.657	(1.003)	2519	0.21982	21.8473		
20 Benzo(b)fluoranthene	252	8.456	8.457	(0.962)	3321	0.33455	33.2504(M)		
21 Benzo(k)fluoranthene	252	8.462	8.480	(0.963)	2406	0.21420	21.2886(QM)		

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		-----	-----	-----	-----	-----	-----
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	1811	0.17649	17.5411(Q)
26 Benzo(g,h,i)perylene	276		10.244	10.256	(1.165)	1398	0.14536	14.4466(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

M - Compound response manually integrated.

Data File: 1CD12019.D

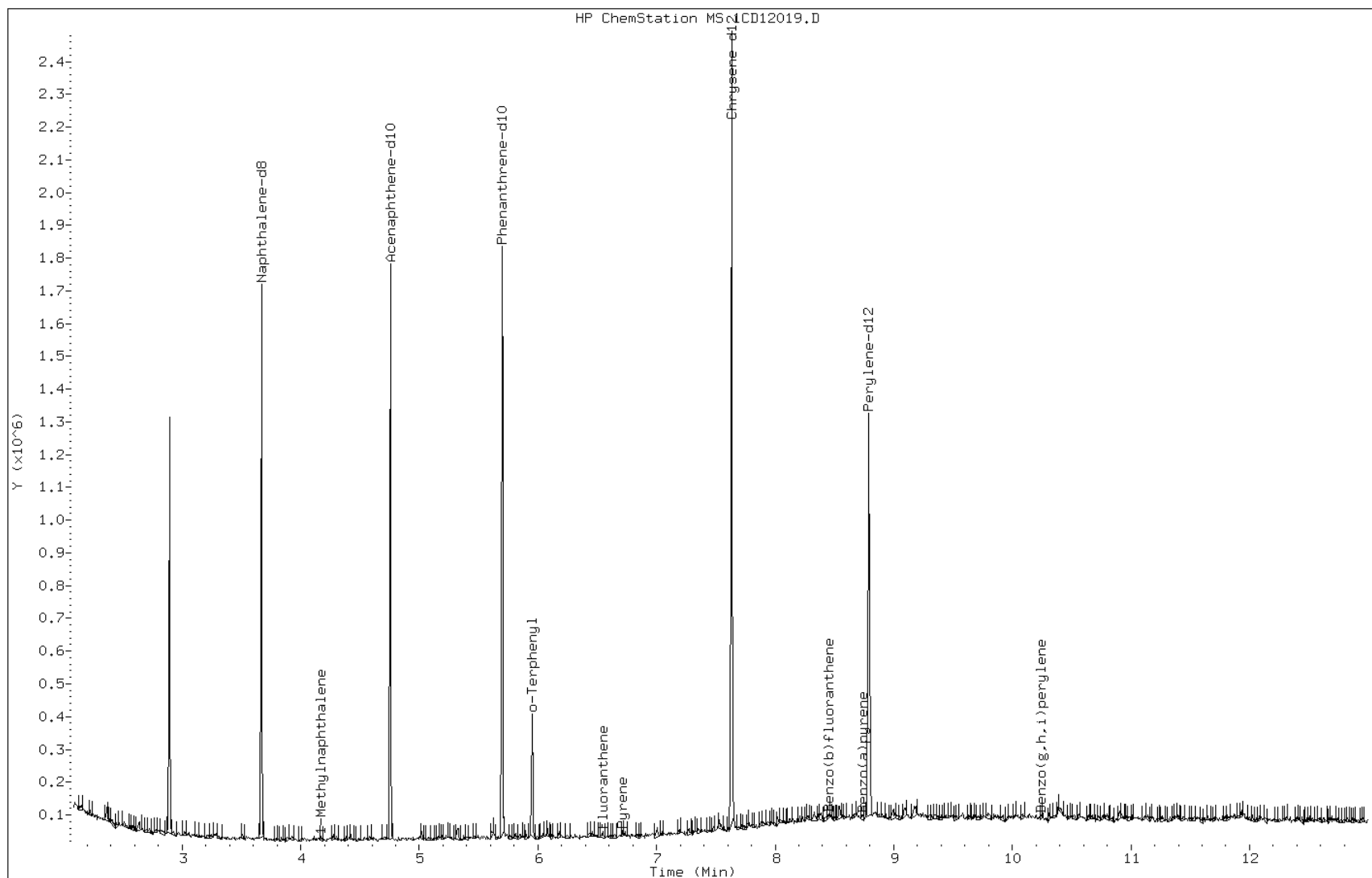
Date: 12-APR-2013 16:38

Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

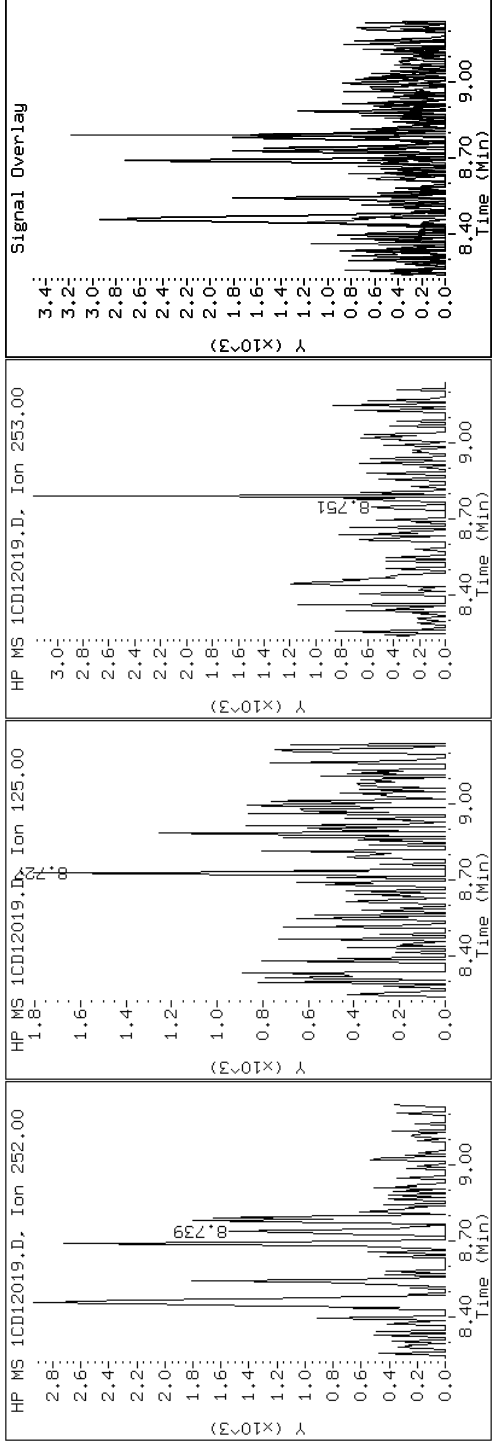
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

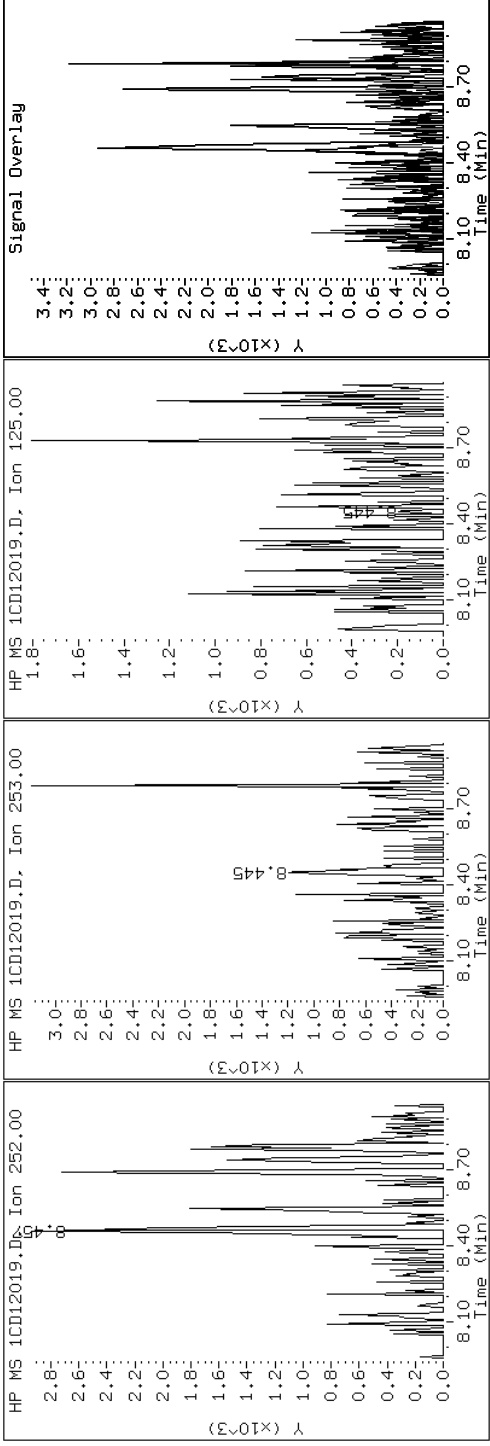
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

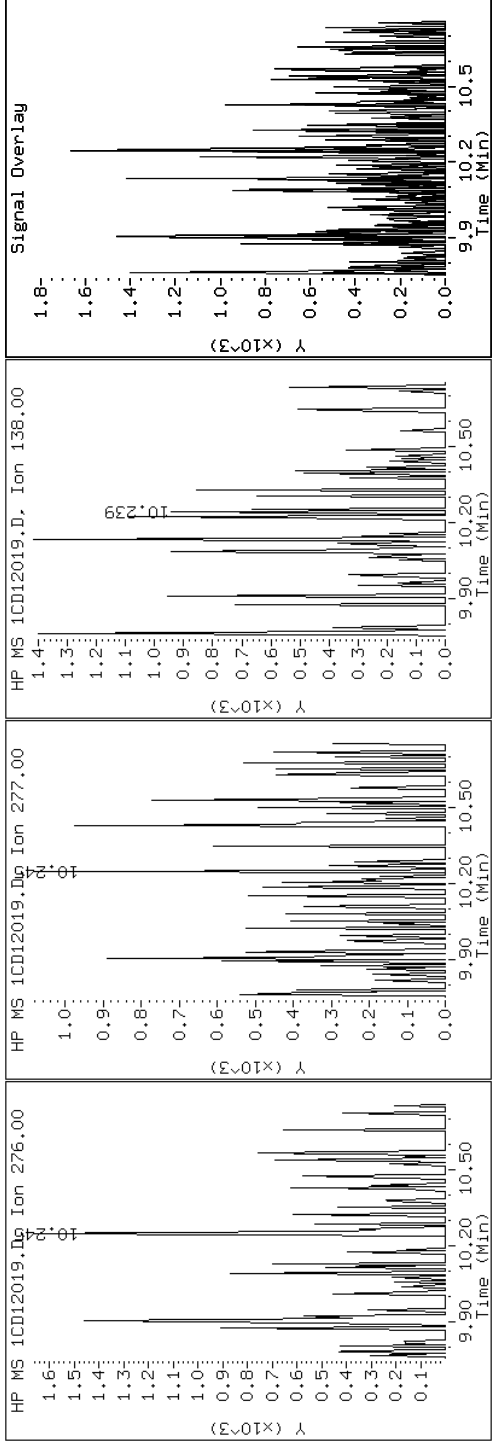
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

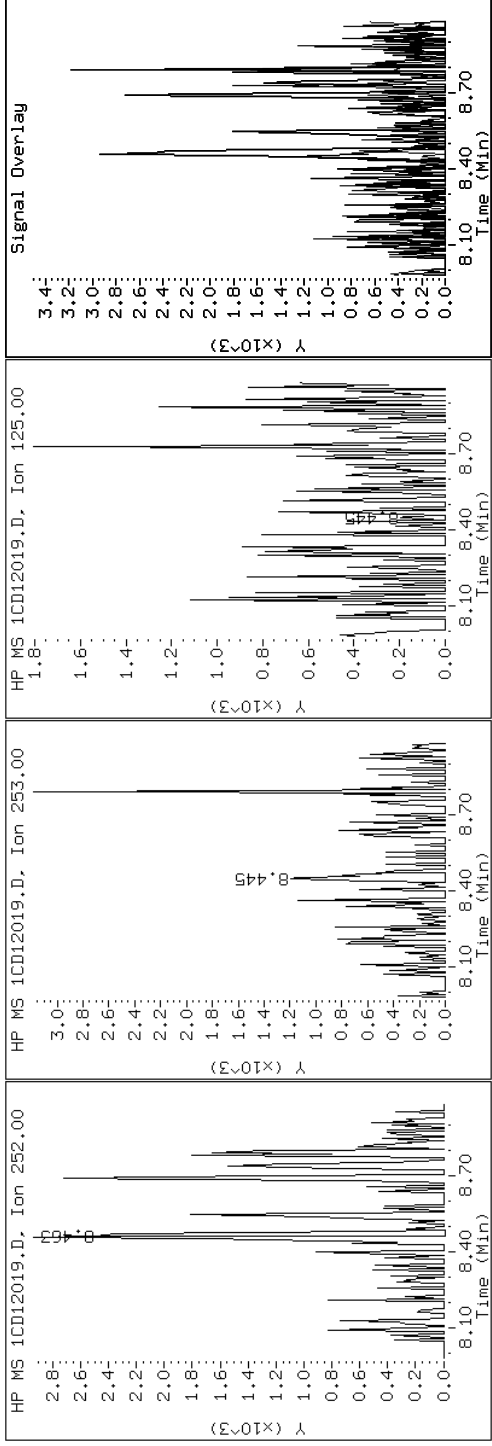
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

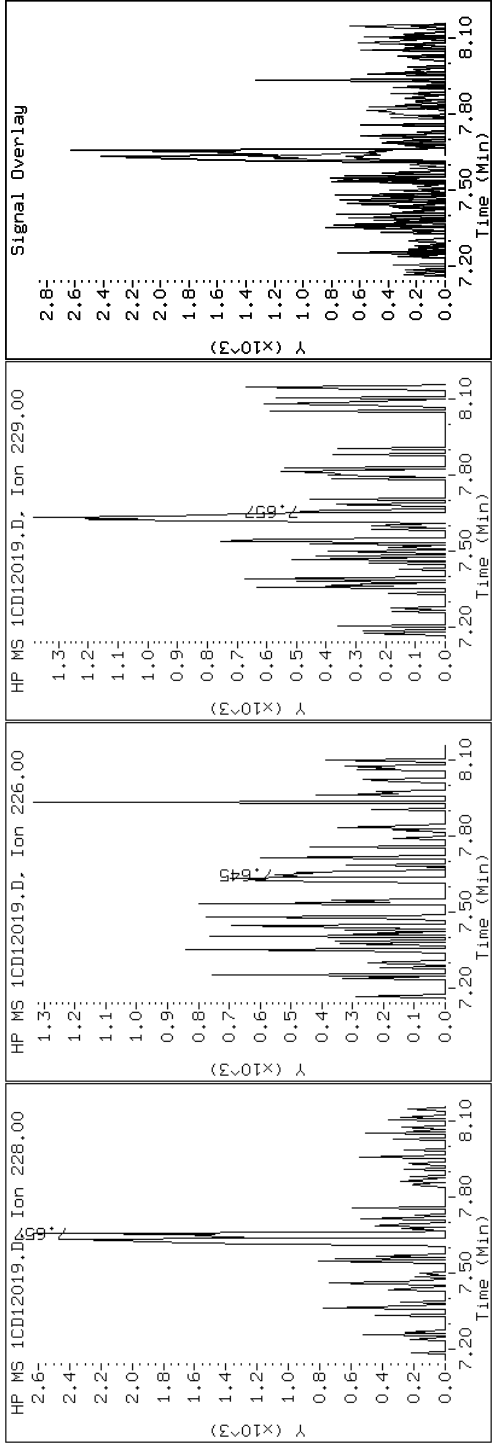
Client ID: CVI251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

19 Chrysene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

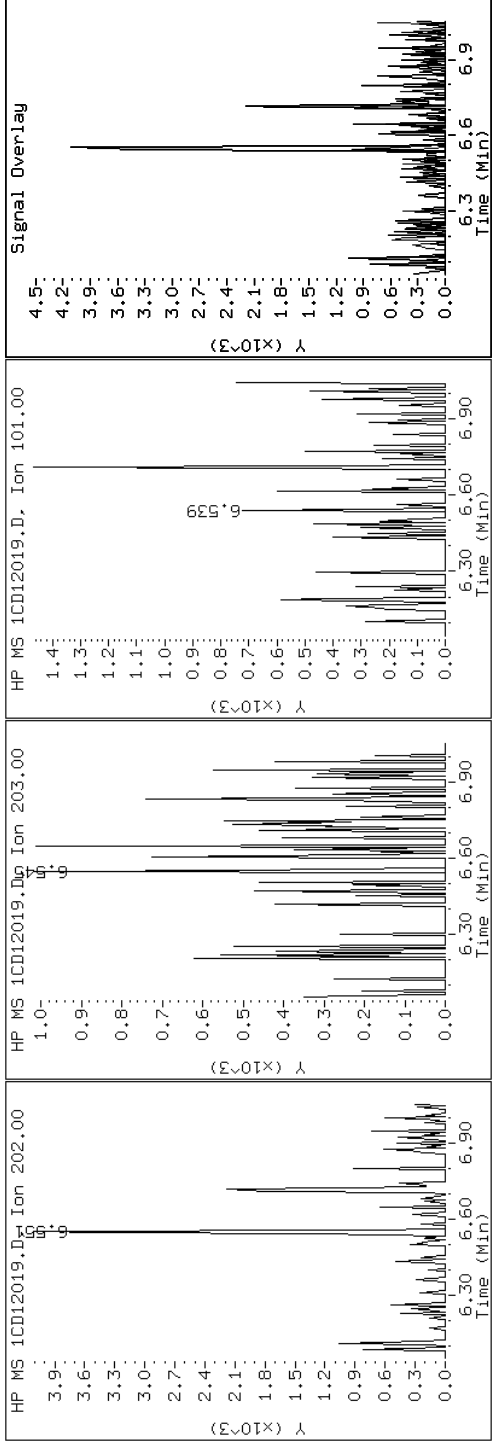
Client ID: CVI251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

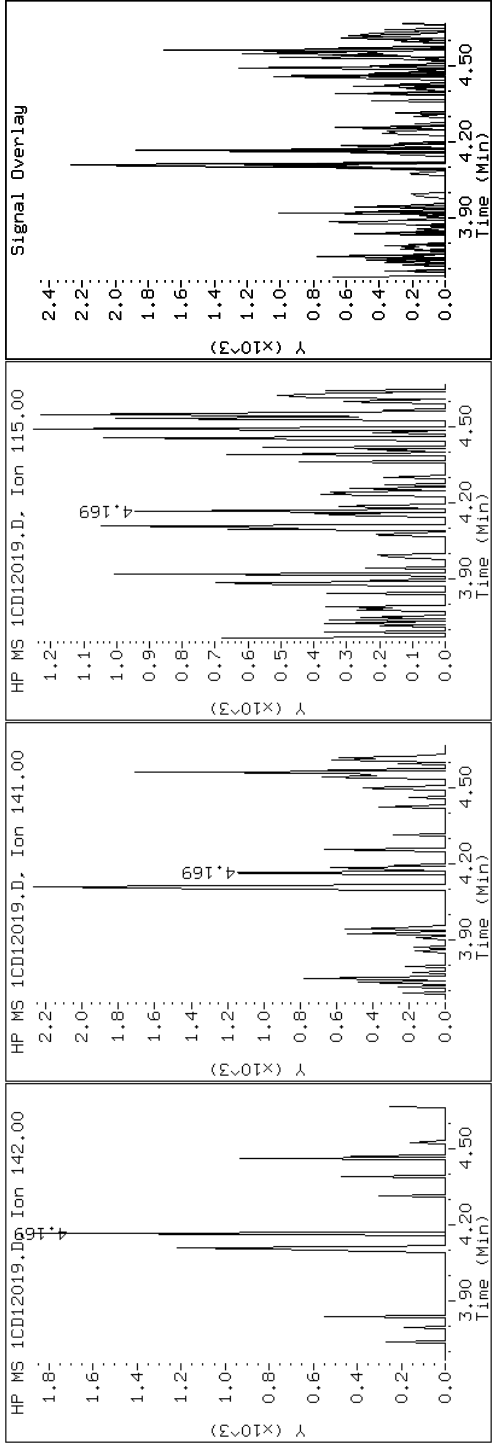
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

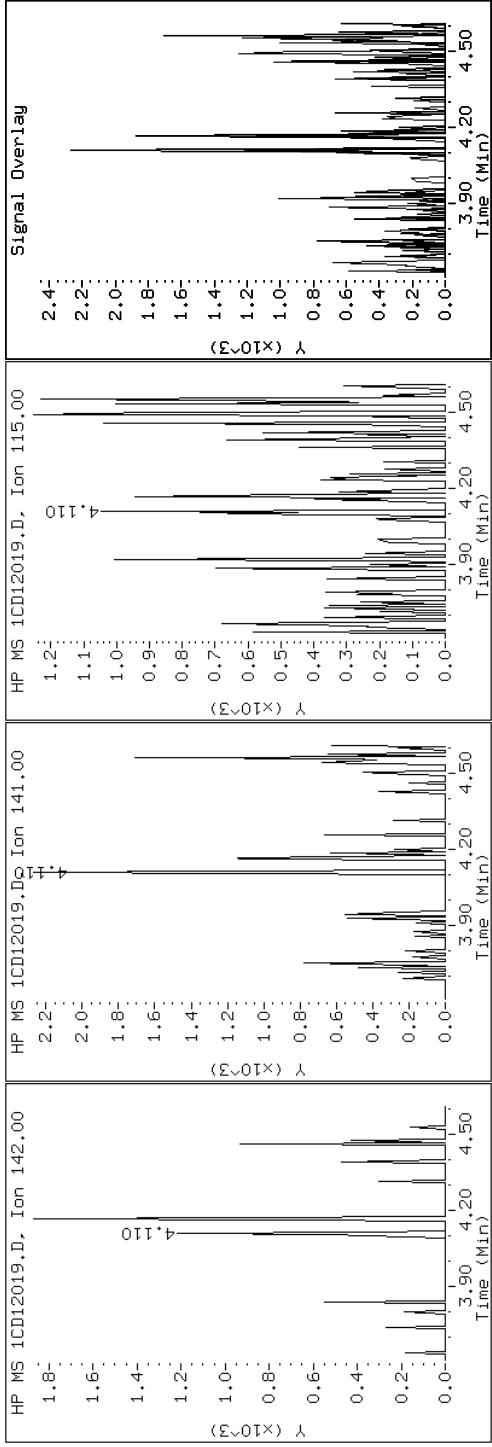
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

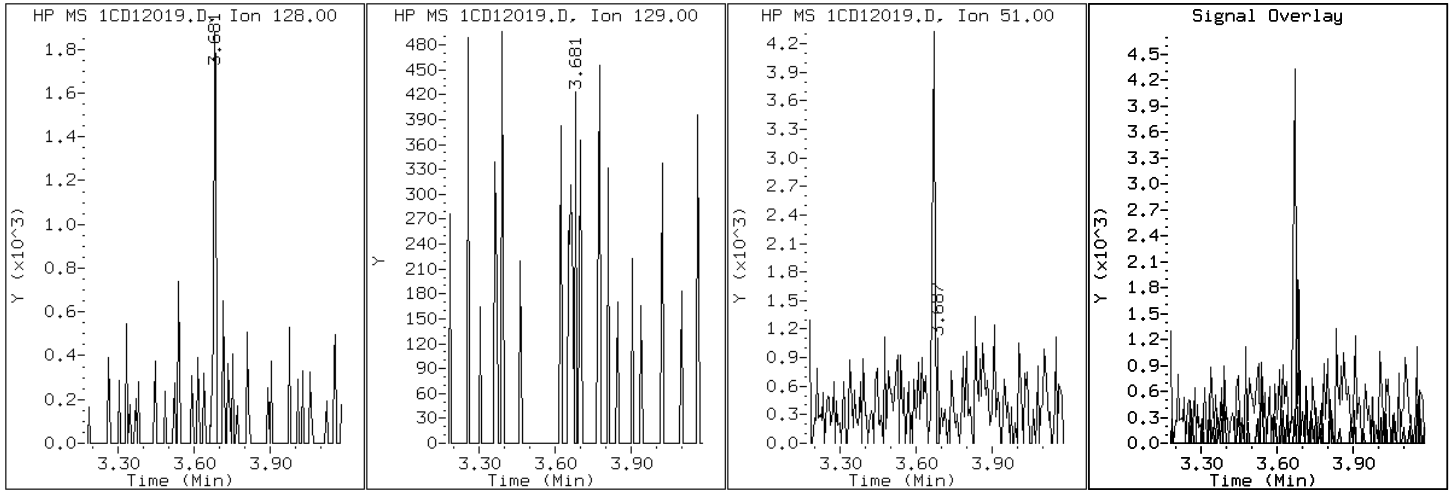
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

2 Naphthalene



Data File: 1CD12019.D

Date: 12-APR-2013 16:38

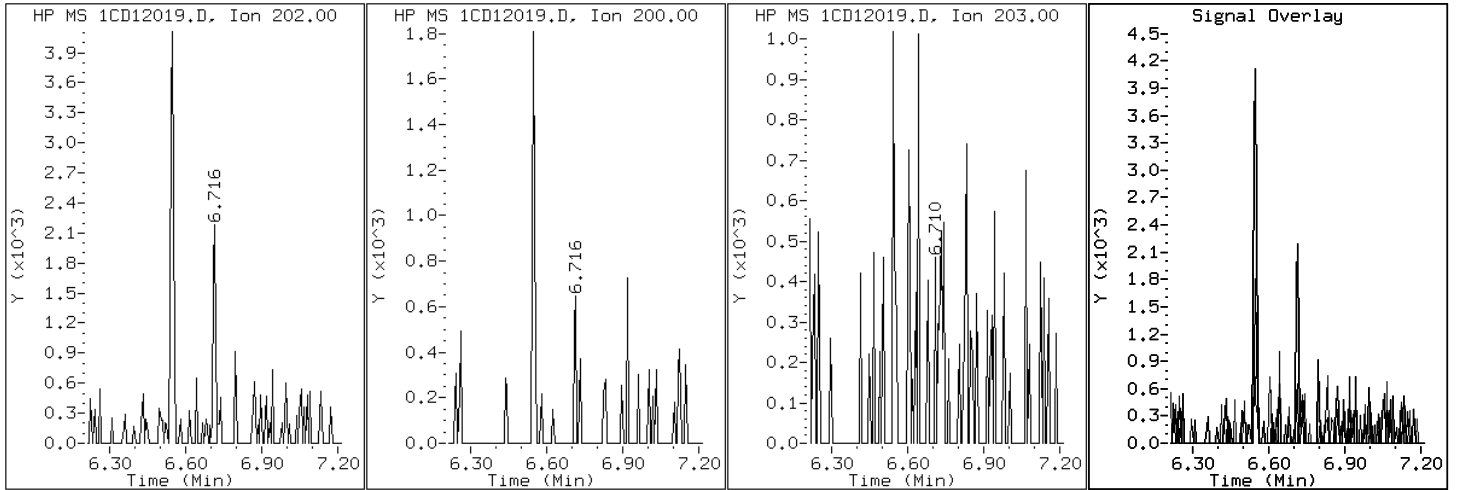
Client ID: CV1251A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-29-a

Operator: SCC

16 Pyrene

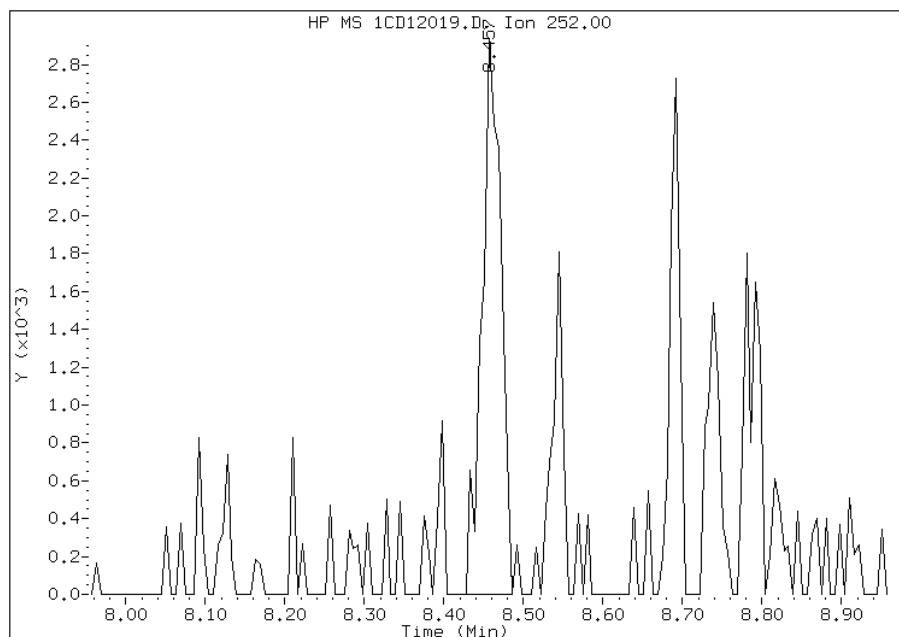


Manual Integration Report

Data File: 1CD12019.D
Inj. Date and Time: 12-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV1251A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/15/2013

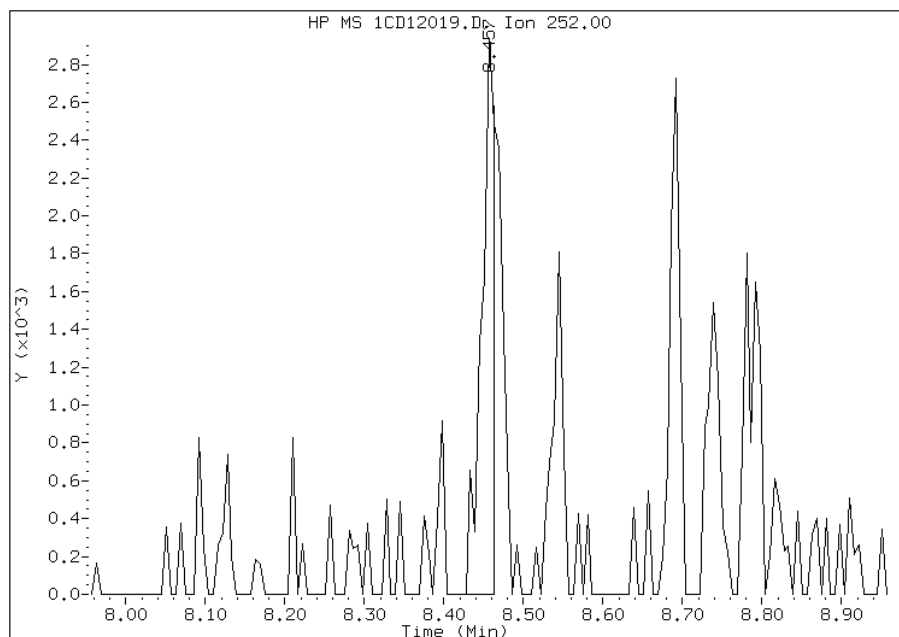
Processing Integration Results

RT: 8.46
Response: 4826
Amount: 0
Conc: 48



Manual Integration Results

RT: 8.46
Response: 3321
Amount: 0
Conc: 33



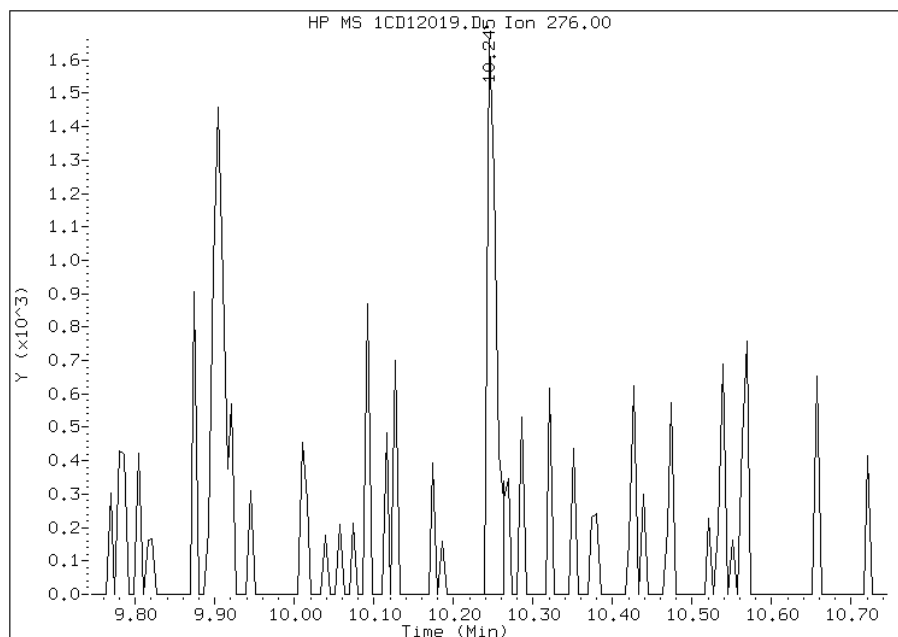
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:25
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD12019.D
Inj. Date and Time: 12-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV1251A-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

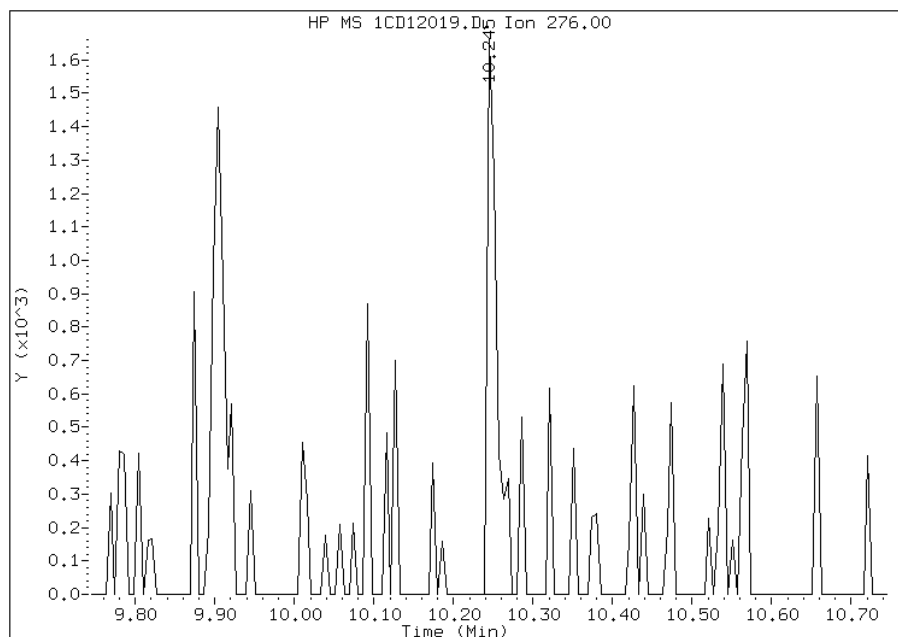
Processing Integration Results

RT: 10.24
Response: 1278
Amount: 0
Conc: 13



Manual Integration Results

RT: 10.24
Response: 1398
Amount: 0
Conc: 14



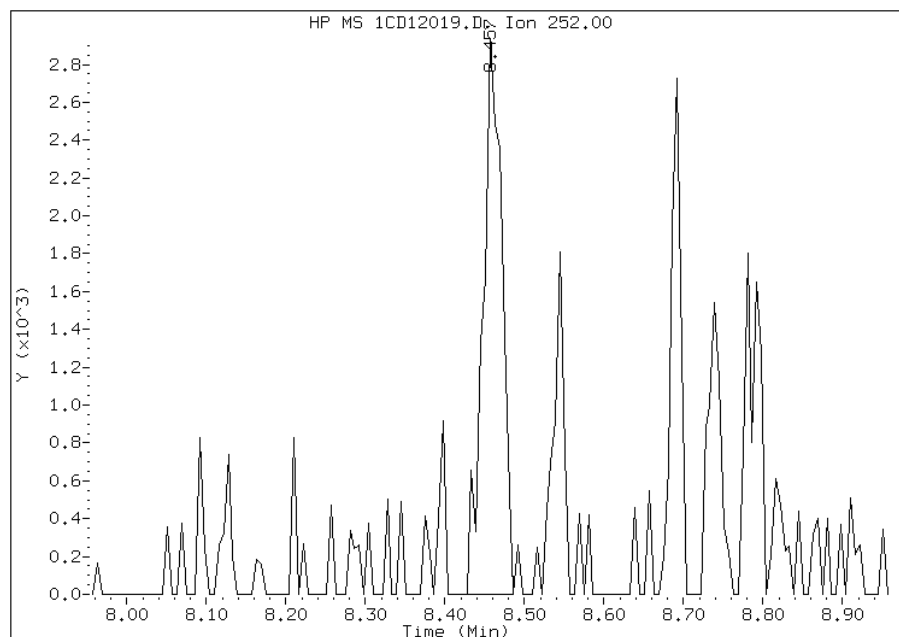
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:26
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD12019.D
Inj. Date and Time: 12-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV1251A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/15/2013

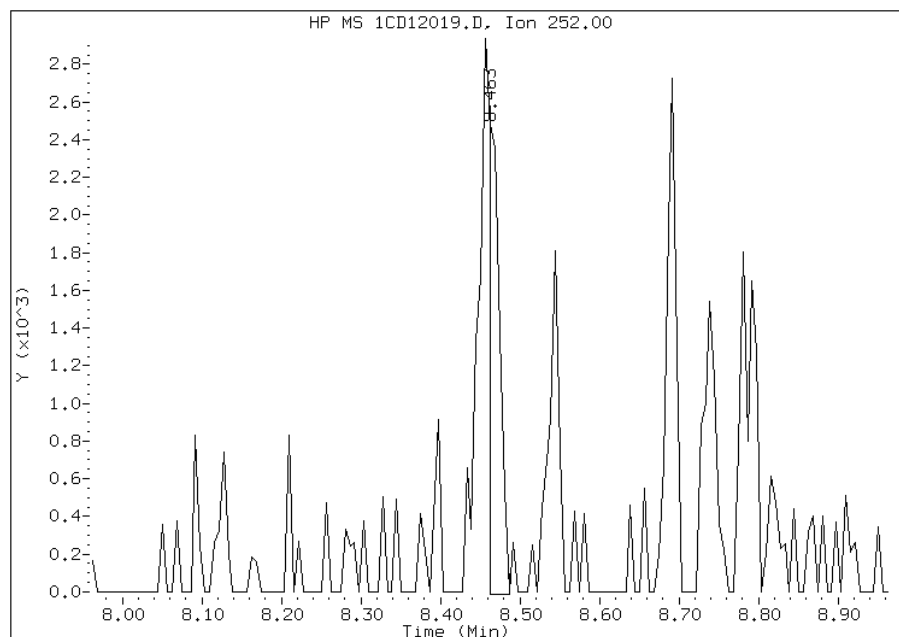
Processing Integration Results

RT: 8.46
Response: 4826
Amount: 0
Conc: 43



Manual Integration Results

RT: 8.46
Response: 2406
Amount: 0
Conc: 21



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:25
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1251B-CS Lab Sample ID: 680-89038-30
 Matrix: Solid Lab File ID: 1CD12020.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 13:50
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.42(g) Date Analyzed: 04/12/2013 16:56
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 40.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	650	U	650	130
208-96-8	Acenaphthylene	260	U	260	33
120-12-7	Anthracene	55	U	55	27
56-55-3	Benzo[a]anthracene	170		52	25
50-32-8	Benzo[a]pyrene	84		68	34
205-99-2	Benzo[b]fluoranthene	97		80	40
191-24-2	Benzo[g,h,i]perylene	48	J	130	29
207-08-9	Benzo[k]fluoranthene	46	J	52	23
218-01-9	Chrysene	76		59	29
53-70-3	Dibenz(a,h)anthracene	130	U	130	27
206-44-0	Fluoranthene	150		130	26
86-73-7	Fluorene	130	U	130	27
193-39-5	Indeno[1,2,3-cd]pyrene	130	U	130	46
90-12-0	1-Methylnaphthalene	220	J	260	29
91-57-6	2-Methylnaphthalene	330		260	46
91-20-3	Naphthalene	200	J	260	29
85-01-8	Phenanthrene	52	U	52	25
129-00-0	Pyrene	130		130	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12020.D
 Lab Smp Id: 680-89038-A-30-A Client Smp ID: CV1251B-CS
 Inj Date : 12-APR-2013 16:56
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-30-a
 Misc Info : 680-89038-A-30-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 20
 Dil Factor: 4.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	4.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.420	Weight Extracted
M	40.316	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	273815	40.0000	
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	187885	40.0000	
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	366744	40.0000	
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	9558	2.26347	983.7729
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	419081	40.0000	
* 23 Perylene-d12	264		8.792	8.792	(1.000)	385986	40.0000	
2 Naphthalene	128		3.680	3.680	(1.003)	3481	0.47030	204.4065
3 2-Methylnaphthalene	142		4.104	4.110	(1.119)	2440	0.76563	332.7640
4 1-Methylnaphthalene	142		4.169	4.169	(1.136)	2445	0.51714	224.7660(Q)
15 Fluoranthene	202		6.545	6.551	(1.149)	4051	0.34050	147.9908
16 Pyrene	202		6.715	6.716	(0.880)	3621	0.30371	132.0029
17 Benzo(a)anthracene	228		7.627	7.627	(0.999)	4614	0.38934	169.2191
19 Chrysene	228		7.651	7.657	(1.002)	2042	0.17418	75.7045
20 Benzo(b)fluoranthene	252		8.462	8.457	(0.963)	2165	0.22207	96.5197(M)

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		-----	-----	-----	-----	-----	-----
21 Benzo(k)fluoranthene	252		8.474	8.480	(0.964)	1176	0.10660	46.3329(M)
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	1959	0.19440	84.4898
26 Benzo(g,h,i)perylene	276		10.239	10.256	(1.165)	1048	0.11095	48.2226(M)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: 1CD12020.D

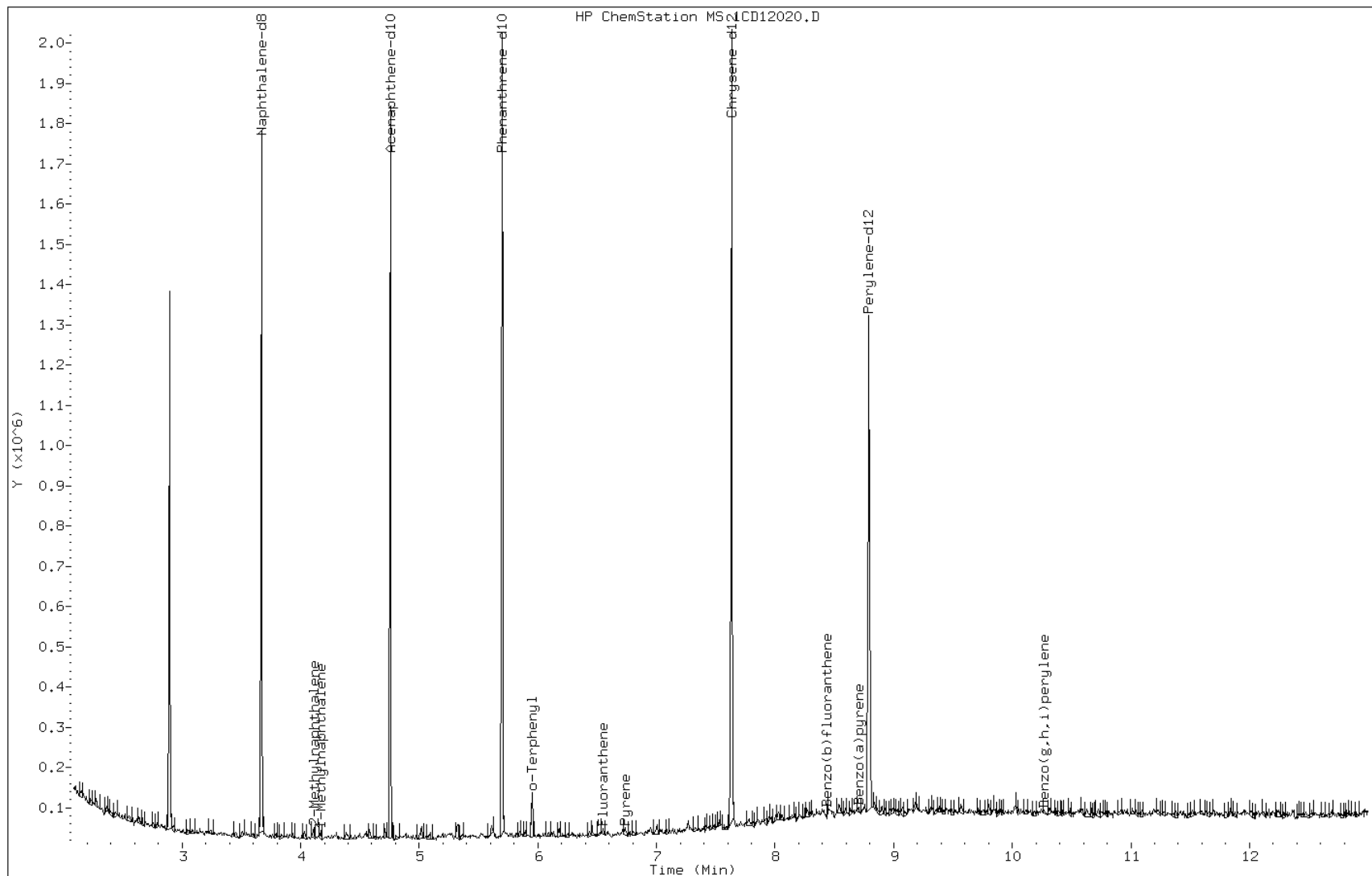
Date: 12-APR-2013 16:56

Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

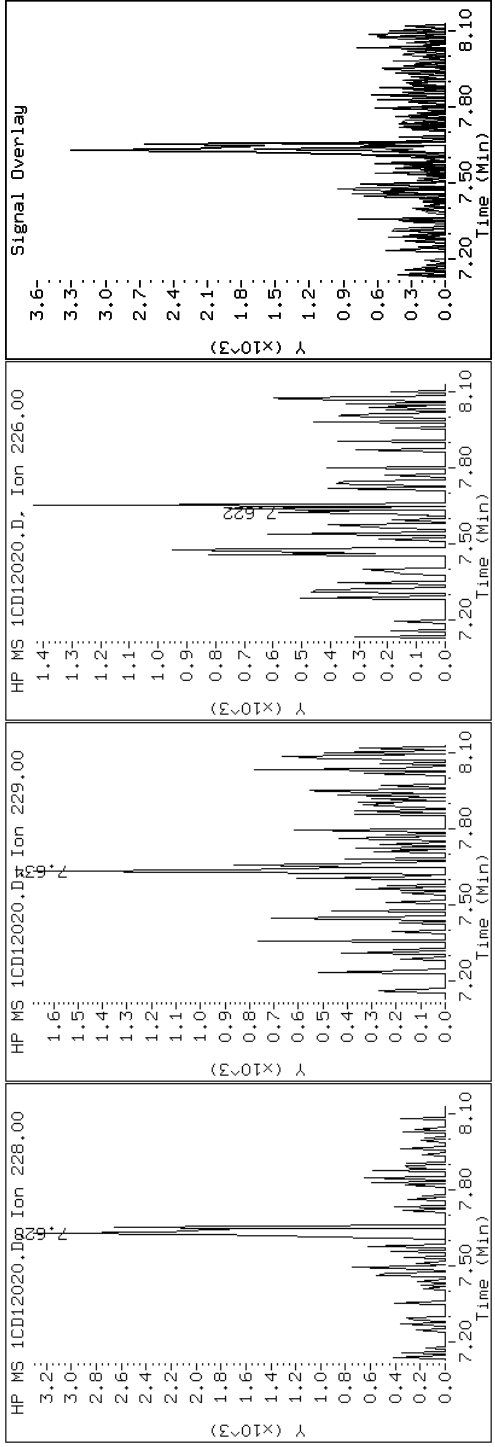
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

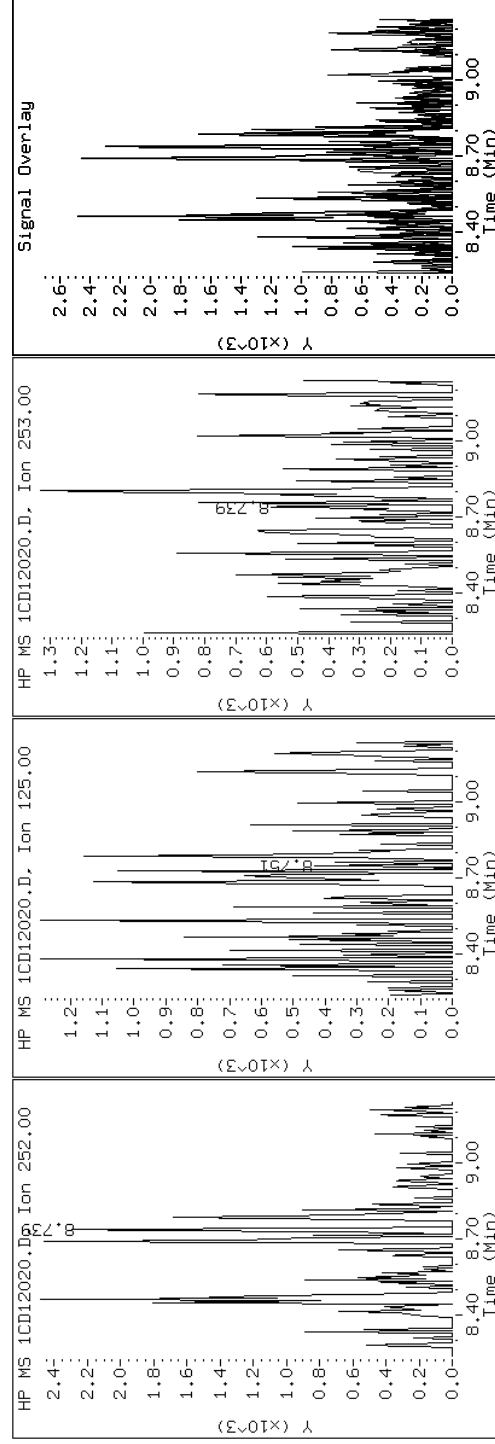
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

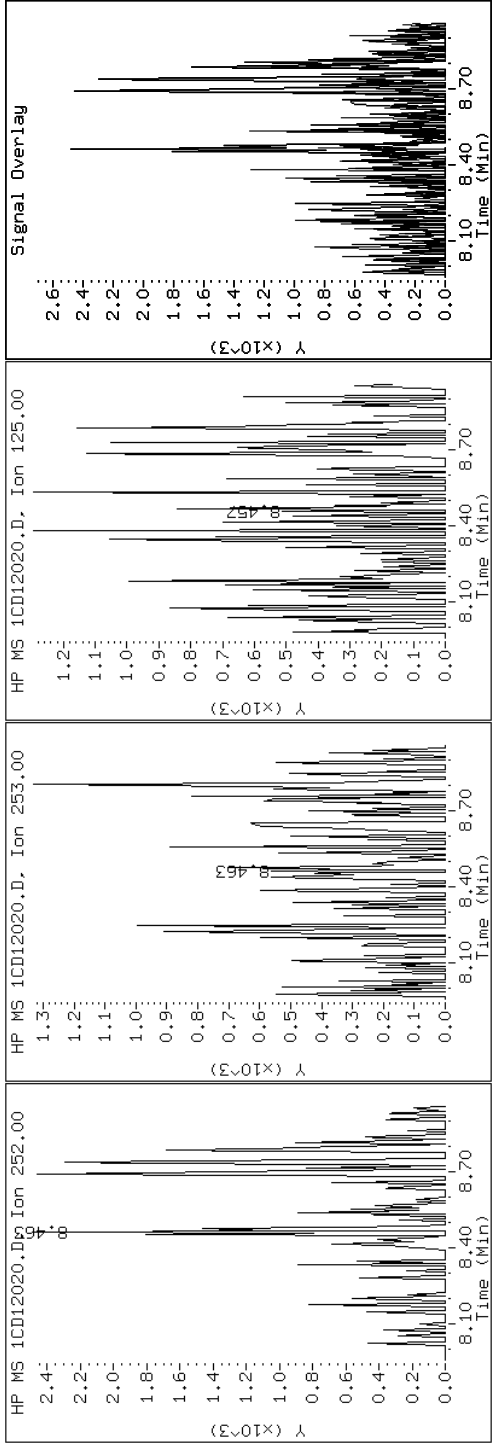
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

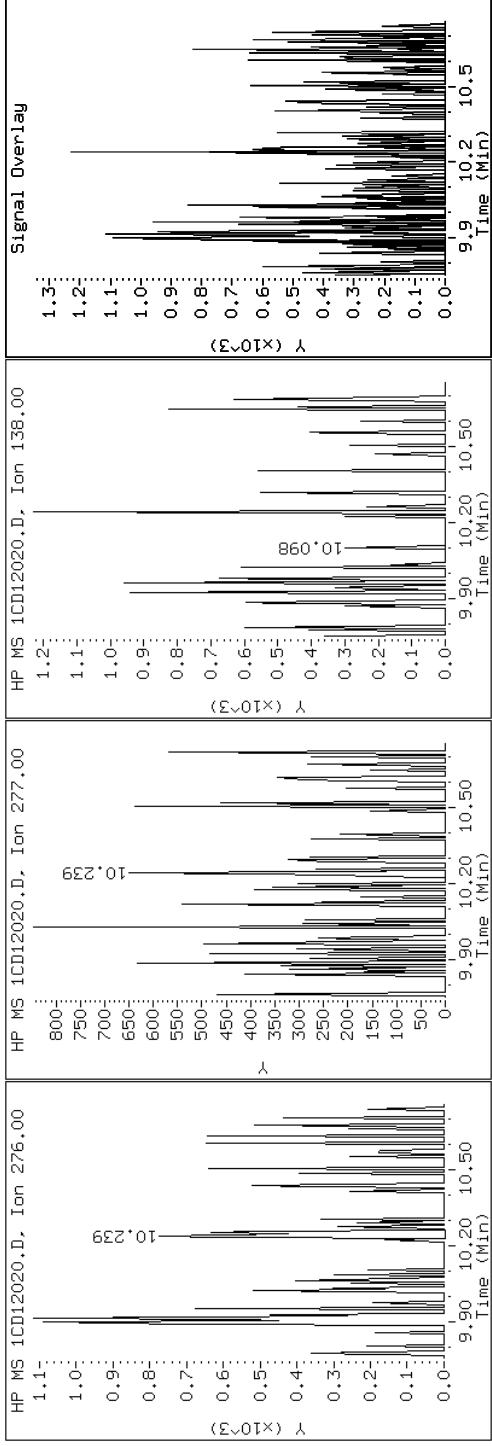
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

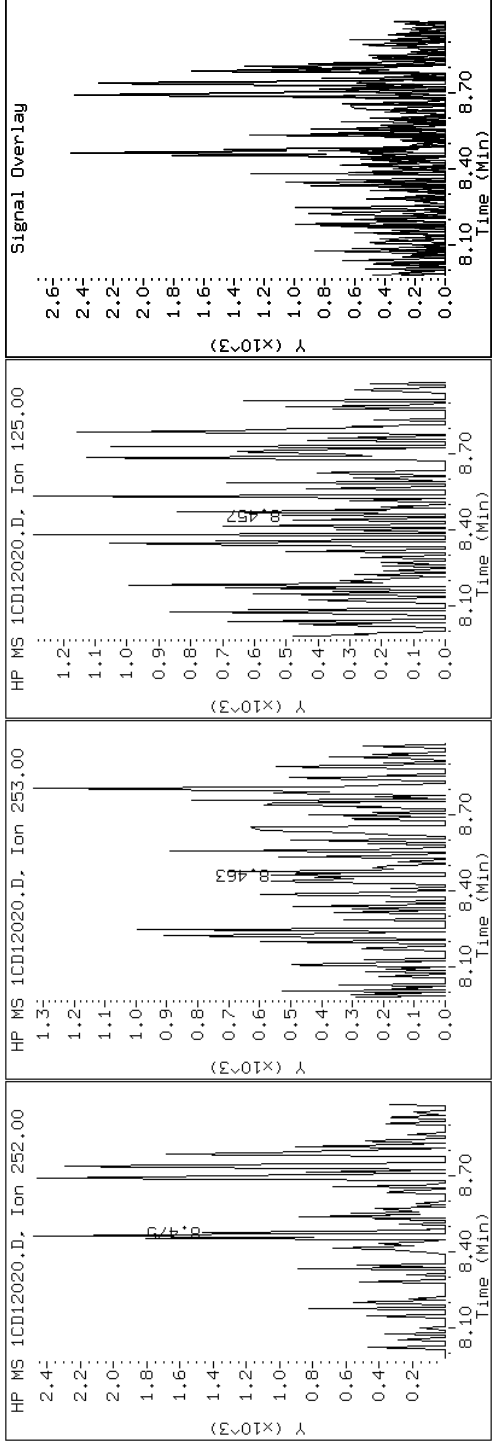
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

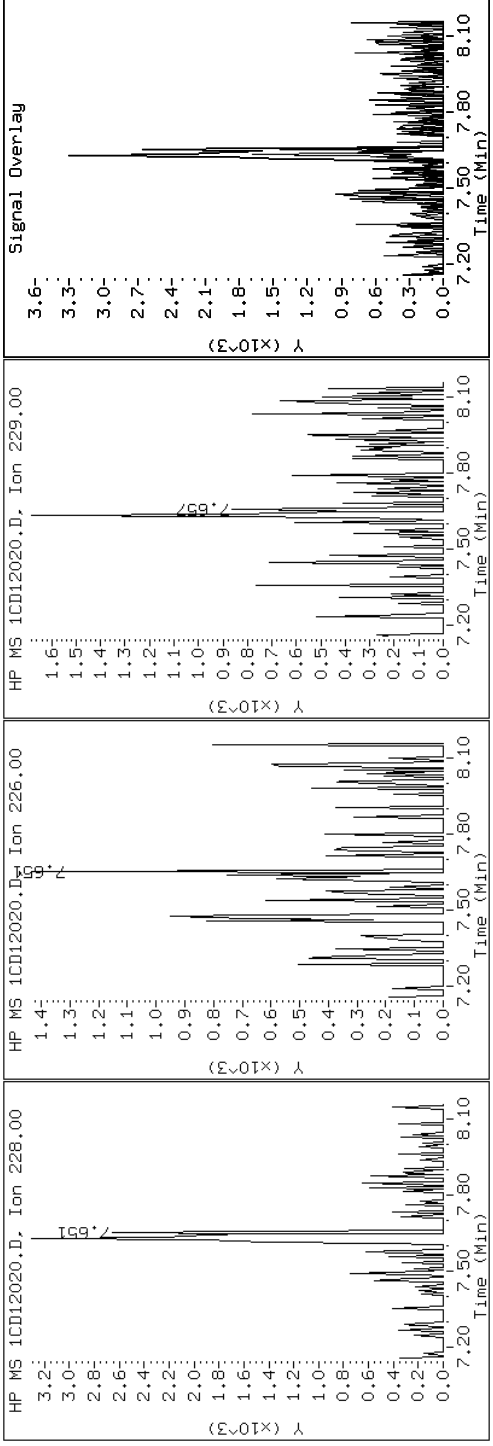
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

19 Chrysene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

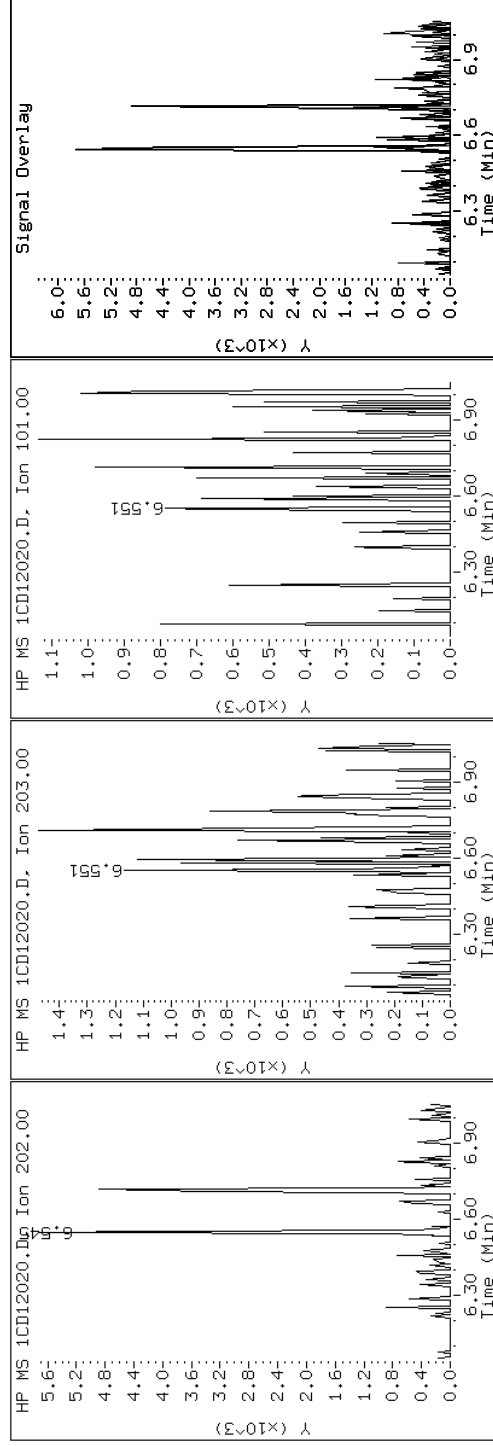
Client ID: CVI251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

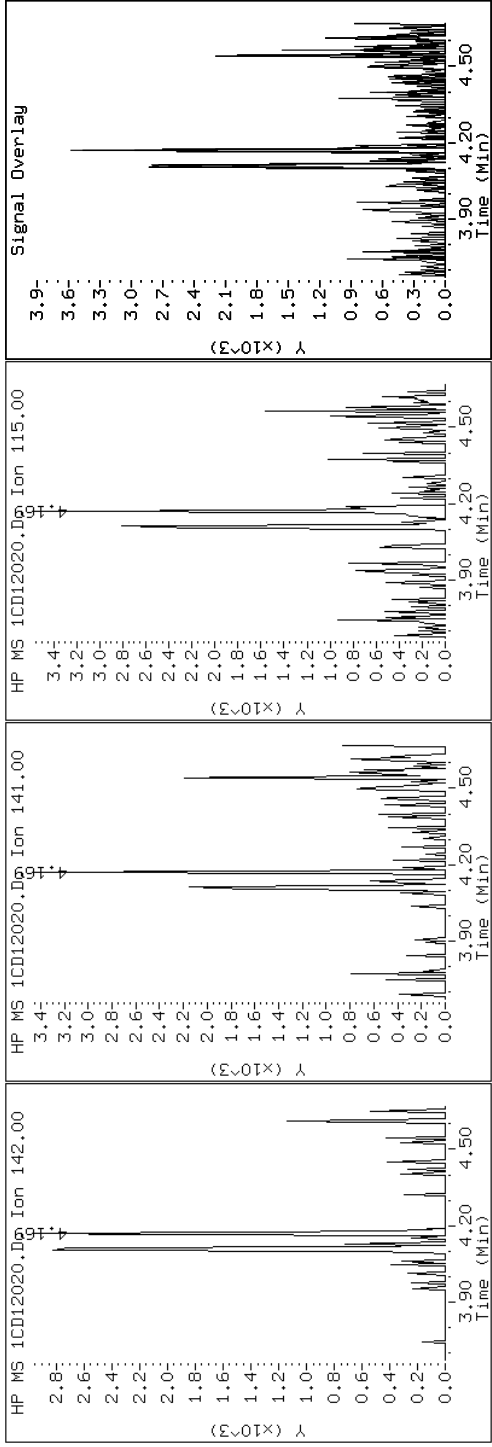
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

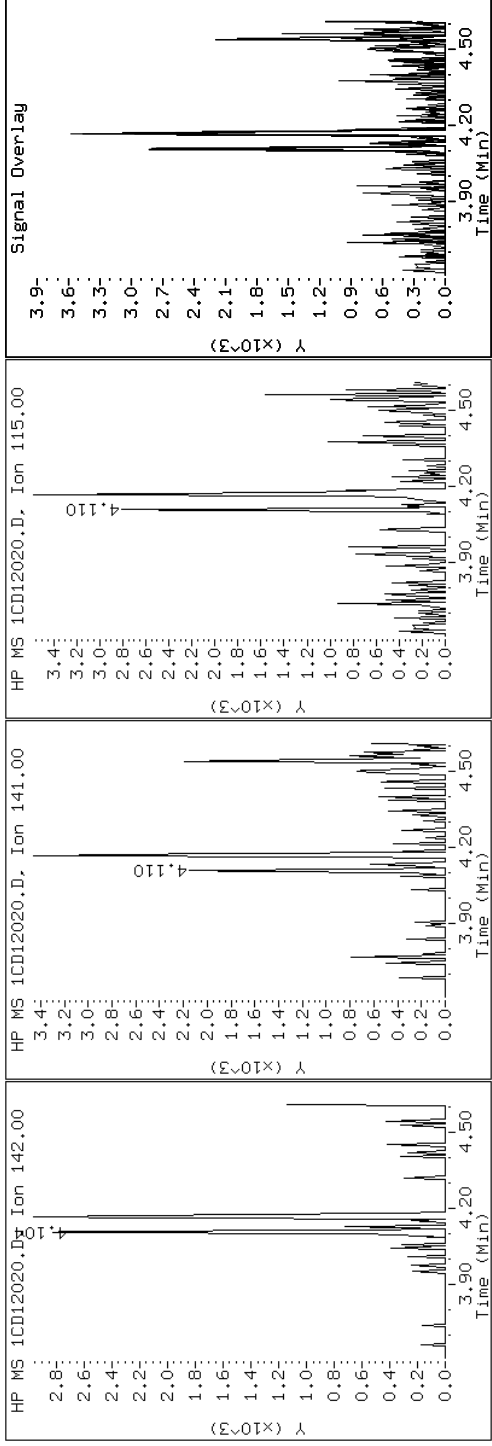
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

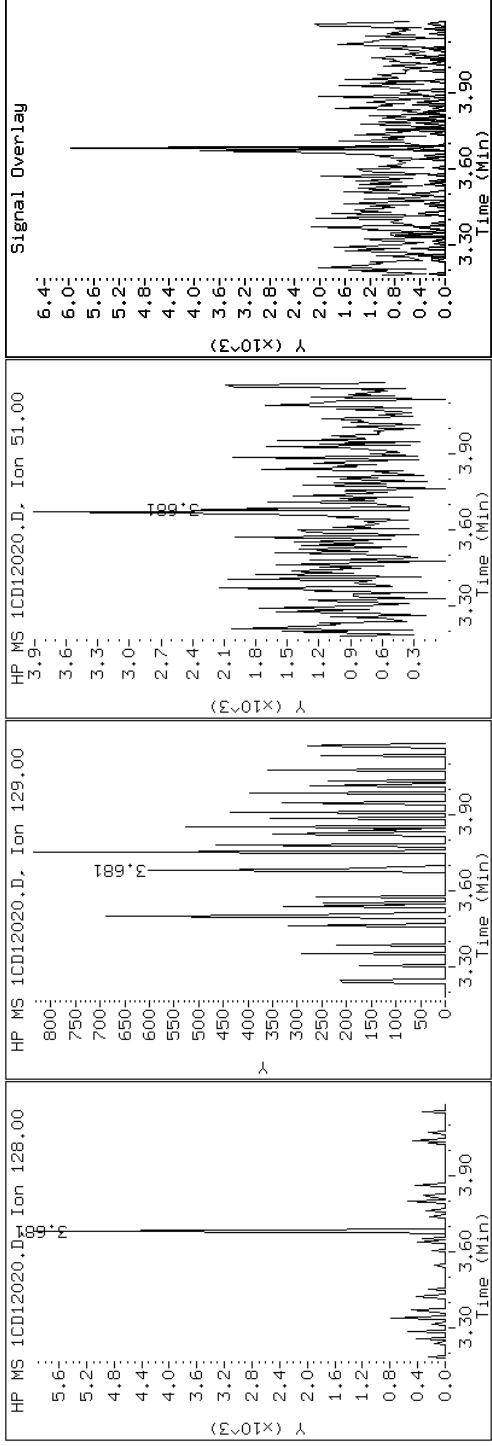
Client ID: CVI251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

2 Naphthalene



Data File: 1CD12020.D

Date: 12-APR-2013 16:56

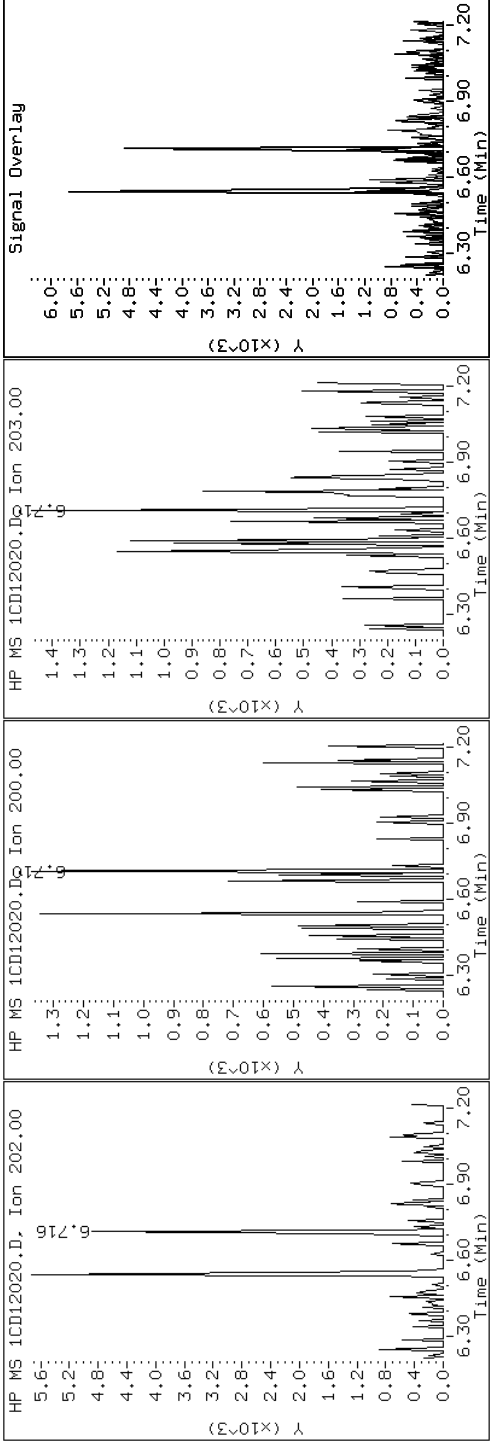
Client ID: CV1251B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-30-a

Operator: SCC

16 Pyrene

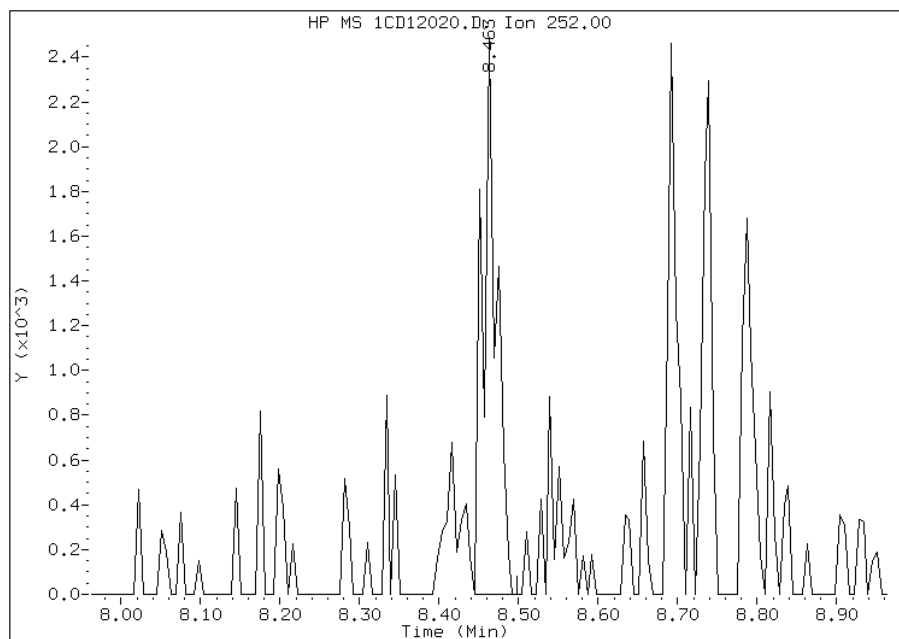


Manual Integration Report

Data File: 1CD12020.D
Inj. Date and Time: 12-APR-2013 16:56
Instrument ID: BSMC5973.i
Client ID: CV1251B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/15/2013

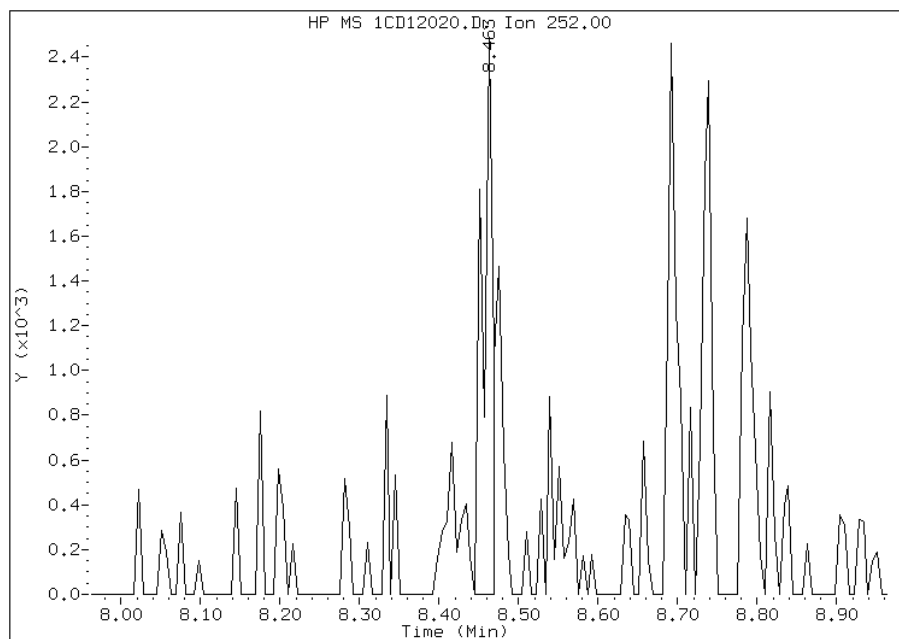
Processing Integration Results

RT: 8.46
Response: 2974
Amount: 0
Conc: 133



Manual Integration Results

RT: 8.46
Response: 2165
Amount: 0
Conc: 97



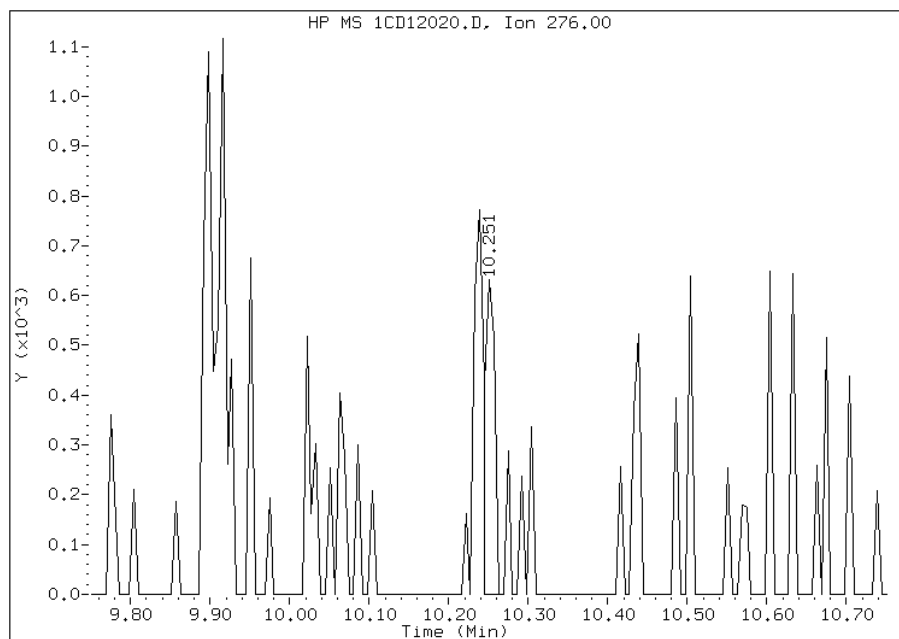
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:27
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD12020.D
Inj. Date and Time: 12-APR-2013 16:56
Instrument ID: BSMC5973.i
Client ID: CV1251B-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

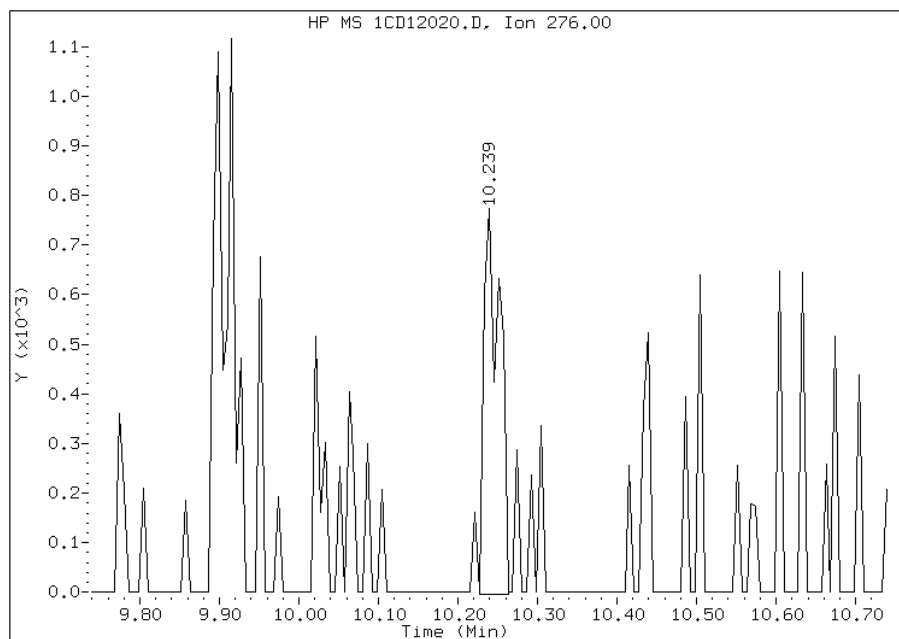
Processing Integration Results

RT: 10.25
Response: 552
Amount: 0
Conc: 25



Manual Integration Results

RT: 10.24
Response: 1048
Amount: 0
Conc: 48



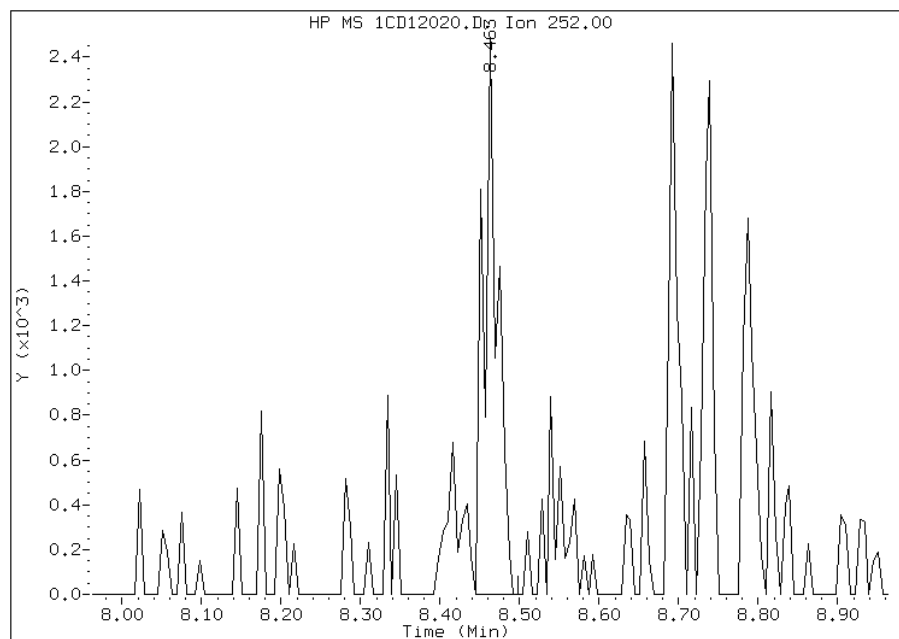
Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:27
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD12020.D
Inj. Date and Time: 12-APR-2013 16:56
Instrument ID: BSMC5973.i
Client ID: CV1251B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/15/2013

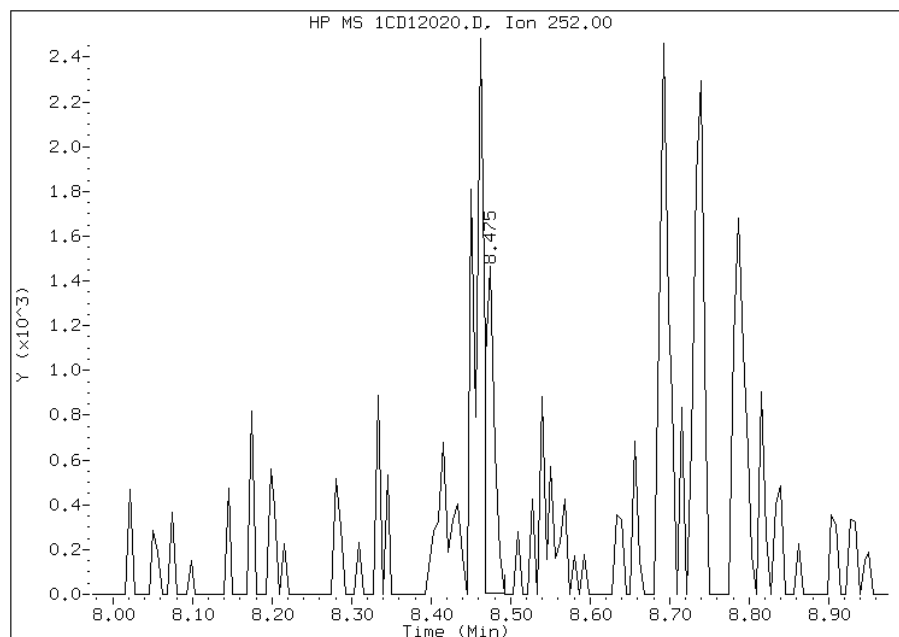
Processing Integration Results

RT: 8.46
Response: 2974
Amount: 0
Conc: 117



Manual Integration Results

RT: 8.47
Response: 1176
Amount: 0
Conc: 46



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:27
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1262A-CS Lab Sample ID: 680-89038-31
 Matrix: Solid Lab File ID: 1CD12021.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 13:15
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.21(g) Date Analyzed: 04/12/2013 17:14
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	28
208-96-8	Acenaphthylene	7.5	J	56	6.9
120-12-7	Anthracene	7.8	J	12	5.8
56-55-3	Benzo[a]anthracene	32		11	5.4
50-32-8	Benzo[a]pyrene	21		14	7.2
205-99-2	Benzo[b]fluoranthene	26		17	8.5
191-24-2	Benzo[g,h,i]perylene	19	J	28	6.1
207-08-9	Benzo[k]fluoranthene	21		11	5.0
218-01-9	Chrysene	26		12	6.2
53-70-3	Dibenz(a,h)anthracene	28	U	28	5.7
206-44-0	Fluoranthene	39		28	5.6
86-73-7	Fluorene	28	U	28	5.7
193-39-5	Indeno[1,2,3-cd]pyrene	28	U	28	9.9
90-12-0	1-Methylnaphthalene	24	J	56	6.1
91-57-6	2-Methylnaphthalene	66		56	9.9
91-20-3	Naphthalene	49	J	56	6.1
85-01-8	Phenanthrene	41		11	5.4
129-00-0	Pyrene	40		28	5.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	63		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12021.D
 Lab Smp Id: 680-89038-A-31-A Client Smp ID: CV1262A-CS
 Inj Date : 12-APR-2013 17:14
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-31-a
 Misc Info : 680-89038-A-31-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 21
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.210	Weight Extracted
M	28.970	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	271574	40.0000		
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	199765	40.0000		
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	369275	40.0000		
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	34283	6.29600	582.7678	
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	426721	40.0000		
* 23 Perylene-d12	264		8.792	8.792	(1.000)	416402	40.0000		
2 Naphthalene	128		3.680	3.680	(1.003)	3857	0.52540	48.6319(Q)	
3 2-Methylnaphthalene	142		4.104	4.110	(1.119)	2162	0.71307	66.0030(Q)	
4 1-Methylnaphthalene	142		4.168	4.169	(1.136)	1221	0.26039	24.1017(Q)	
5 Acenaphthylene	152		4.663	4.669	(0.980)	684	0.08081	7.4794	
11 Phenanthrene	178		5.715	5.716	(1.003)	4752	0.44576	41.2604	
12 Anthracene	178		5.751	5.751	(1.009)	908	0.08470	7.8397	
15 Fluoranthene	202		6.545	6.551	(1.149)	5046	0.42122	38.9892	
16 Pyrene	202		6.709	6.716	(0.879)	5203	0.42859	39.6711	

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		-----	-----	-----	-----	-----	-----
17 Benzo(a)anthracene	228		7.627	7.627	(0.999)	4129	0.34218	31.6725
19 Chrysene	228		7.651	7.657	(1.002)	3396	0.28449	26.3329
20 Benzo(b)fluoranthene	252		8.456	8.457	(0.962)	2974	0.28277	26.1739
21 Benzo(k)fluoranthene	252		8.468	8.480	(0.963)	2724	0.22889	21.1865
22 Benzo(a)pyrene	252		8.733	8.739	(0.993)	2514	0.23125	21.4045(Q)
26 Benzo(g,h,i)perylene	276		10.245	10.256	(1.165)	2101	0.20618	19.0847(QM)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: 1CD12021.D

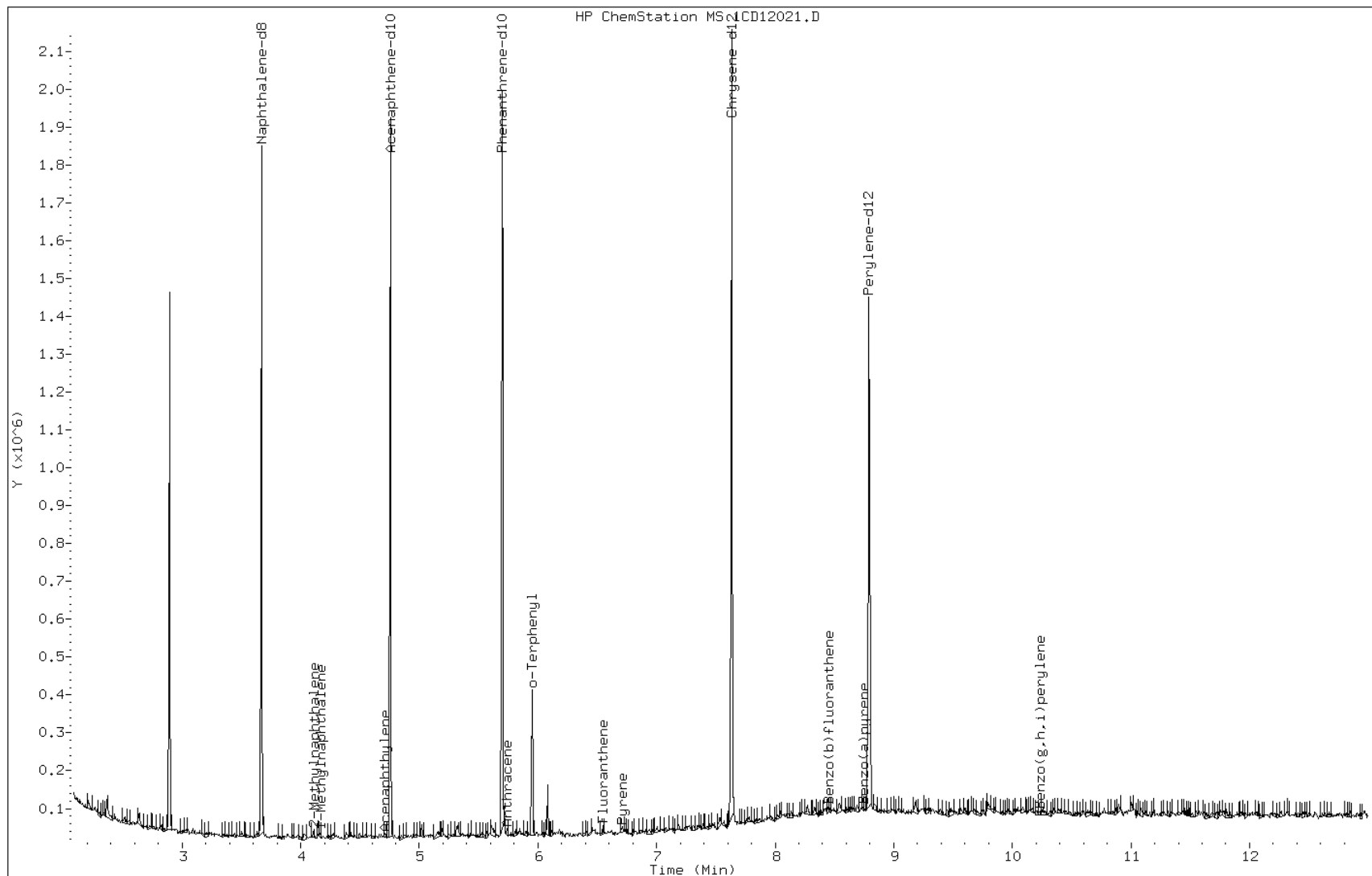
Date: 12-APR-2013 17:14

Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

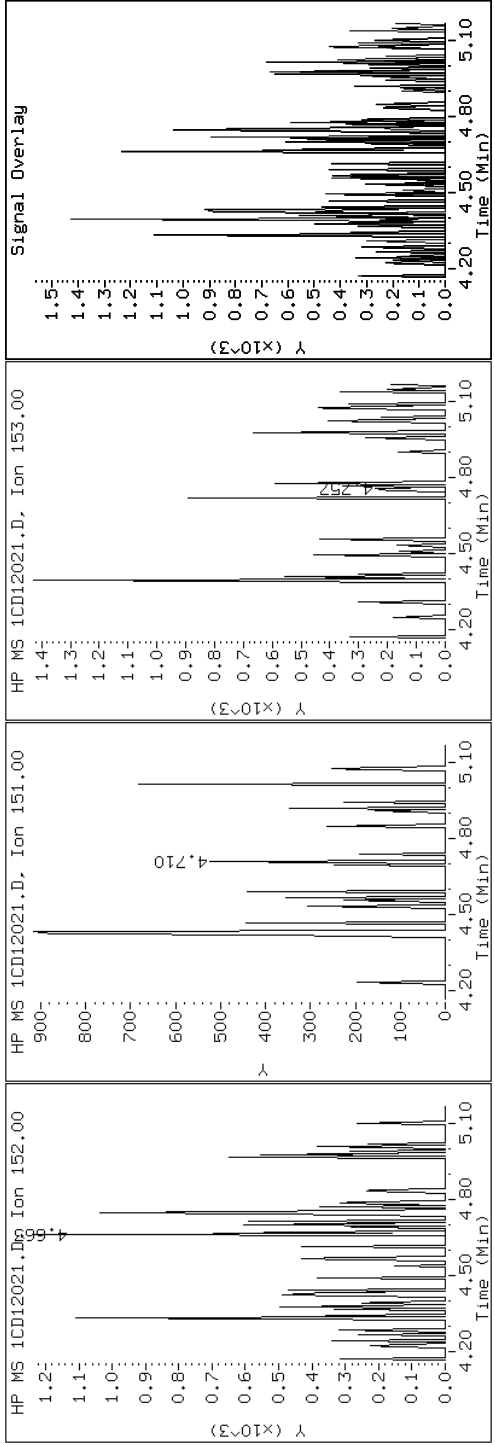
Client ID: CVI262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

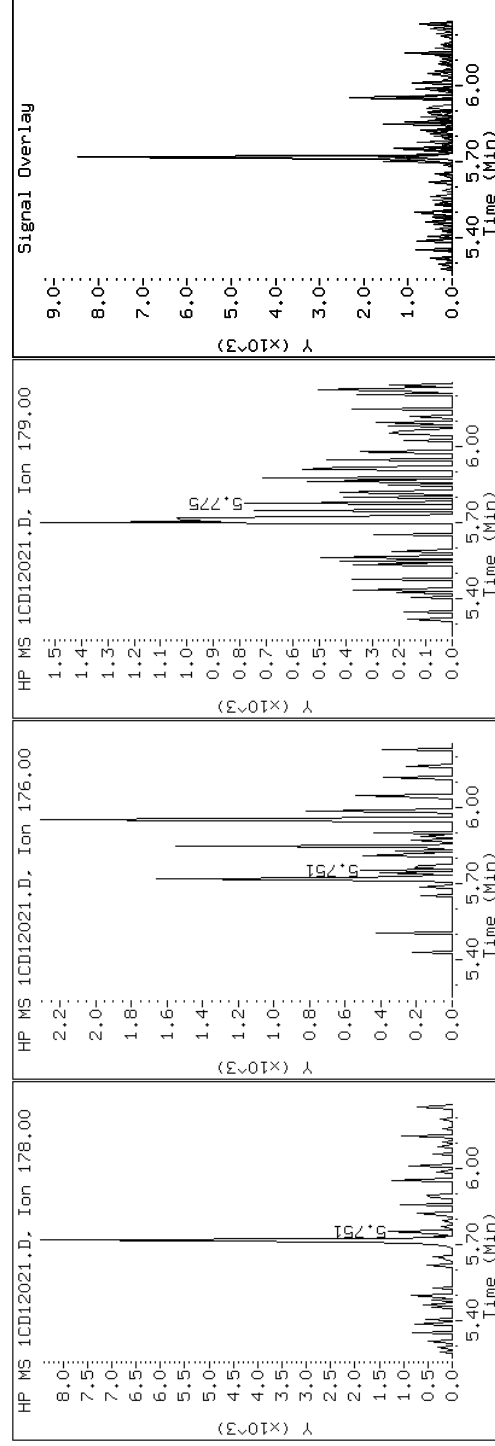
Client ID: CVI262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

12 Anthracene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

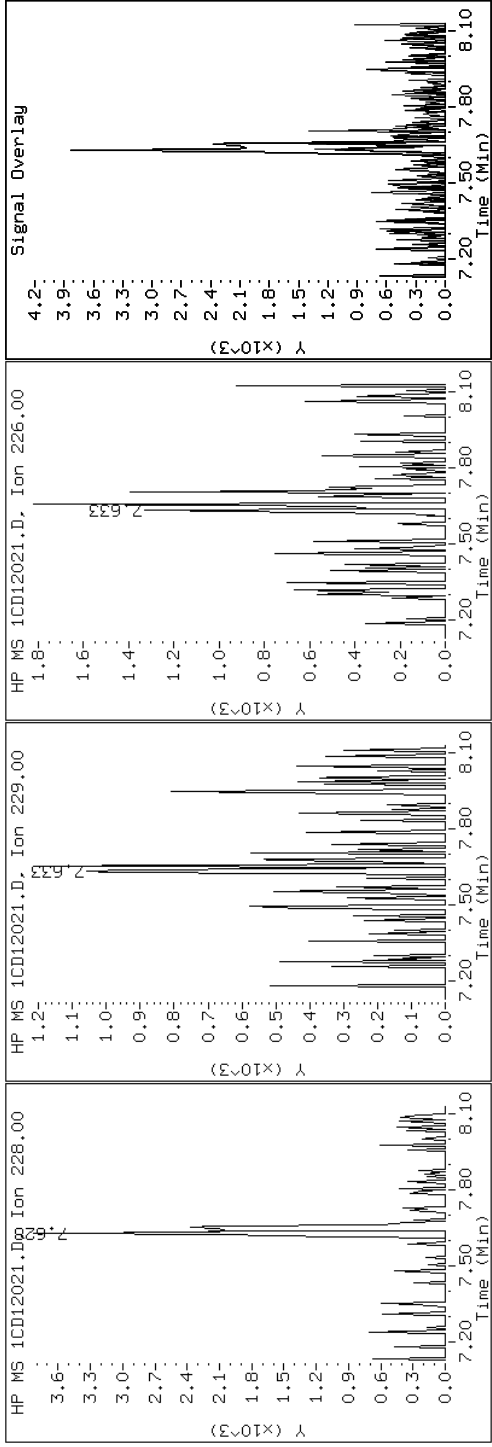
Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

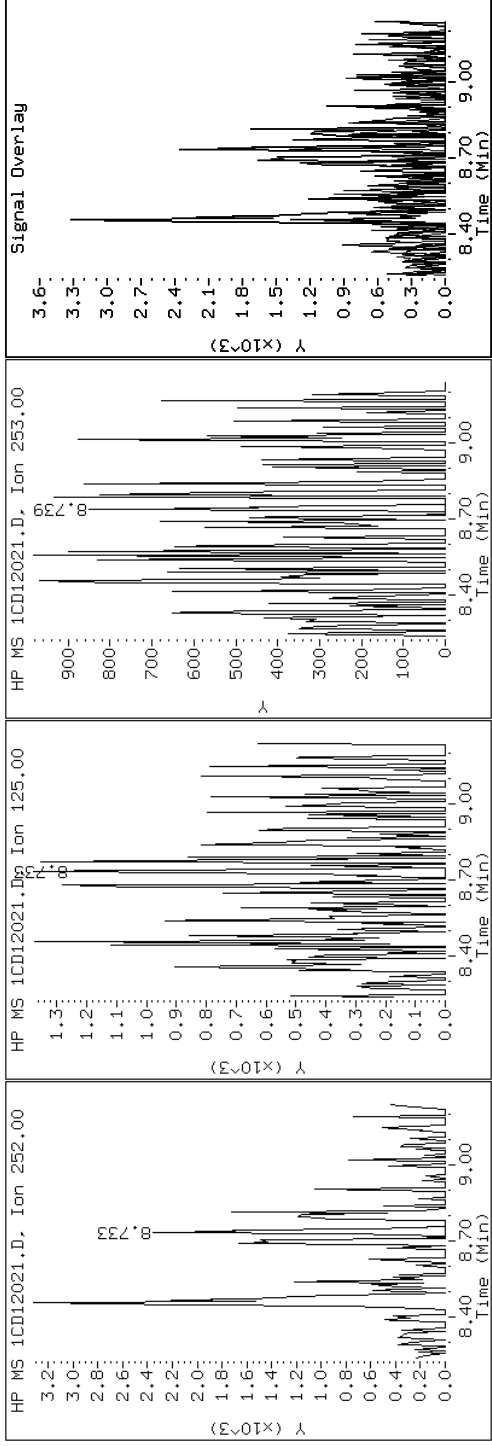
Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

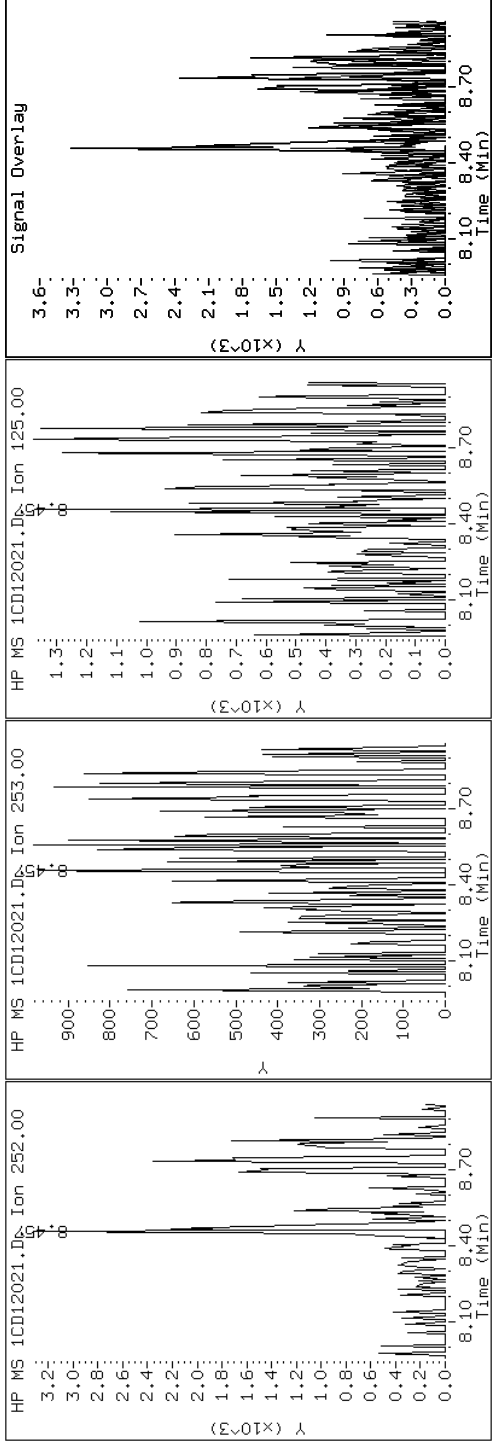
Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

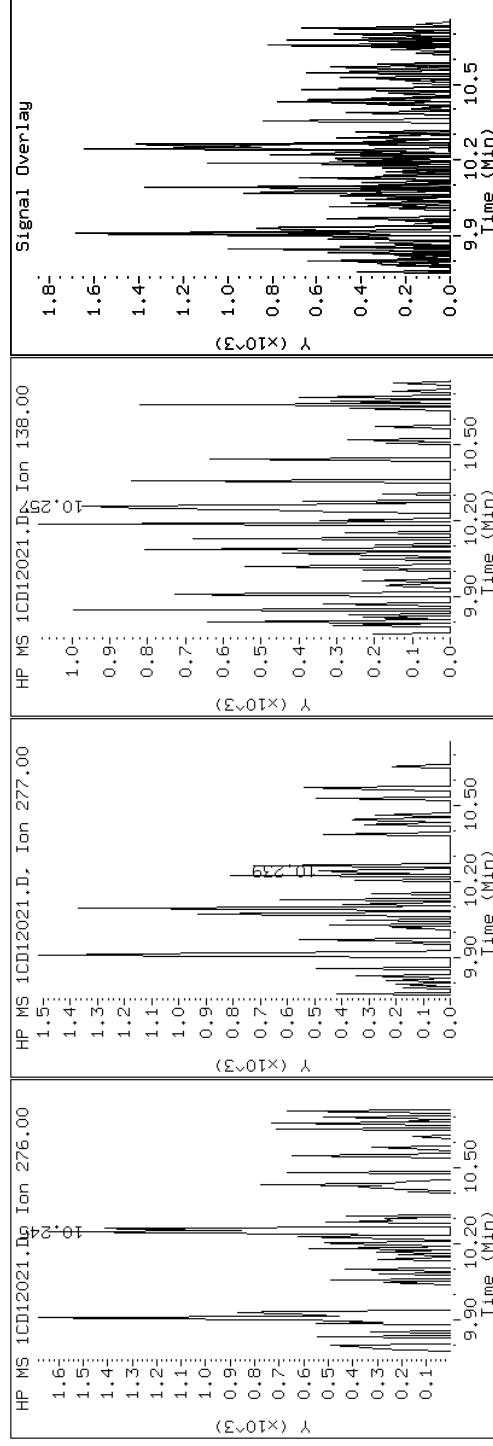
Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

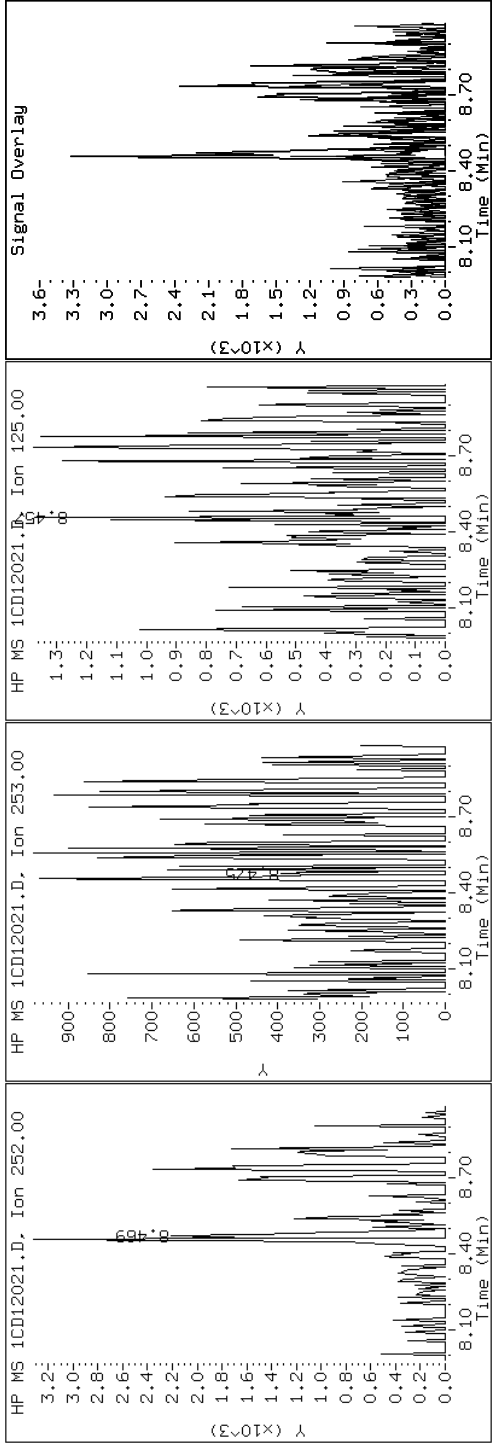
Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

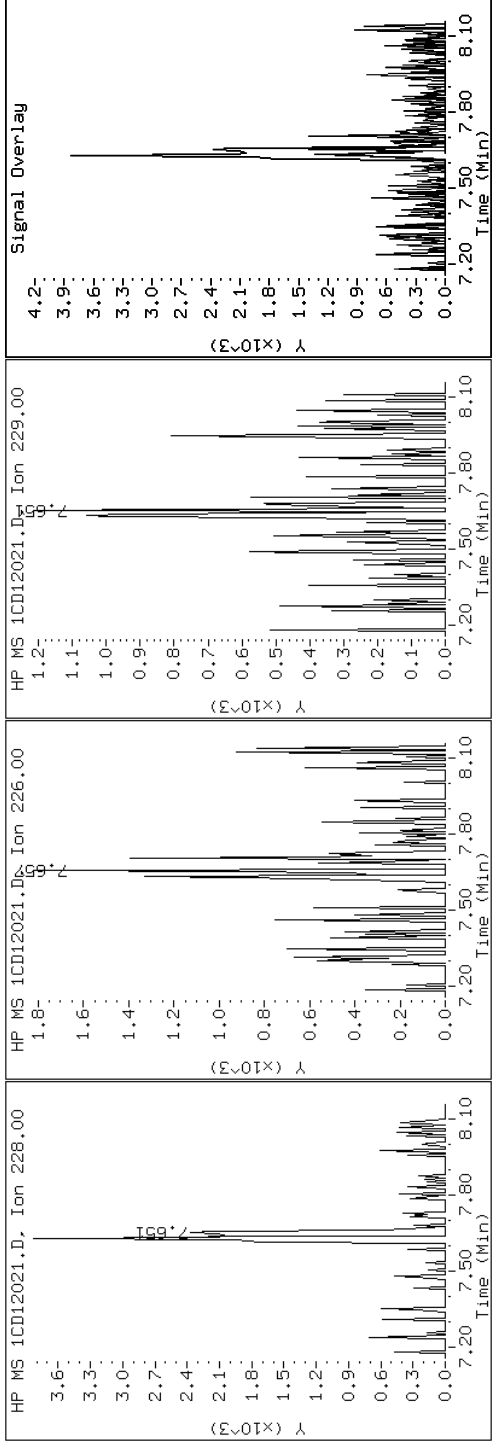
Client ID: CVI262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

19 Chrysene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

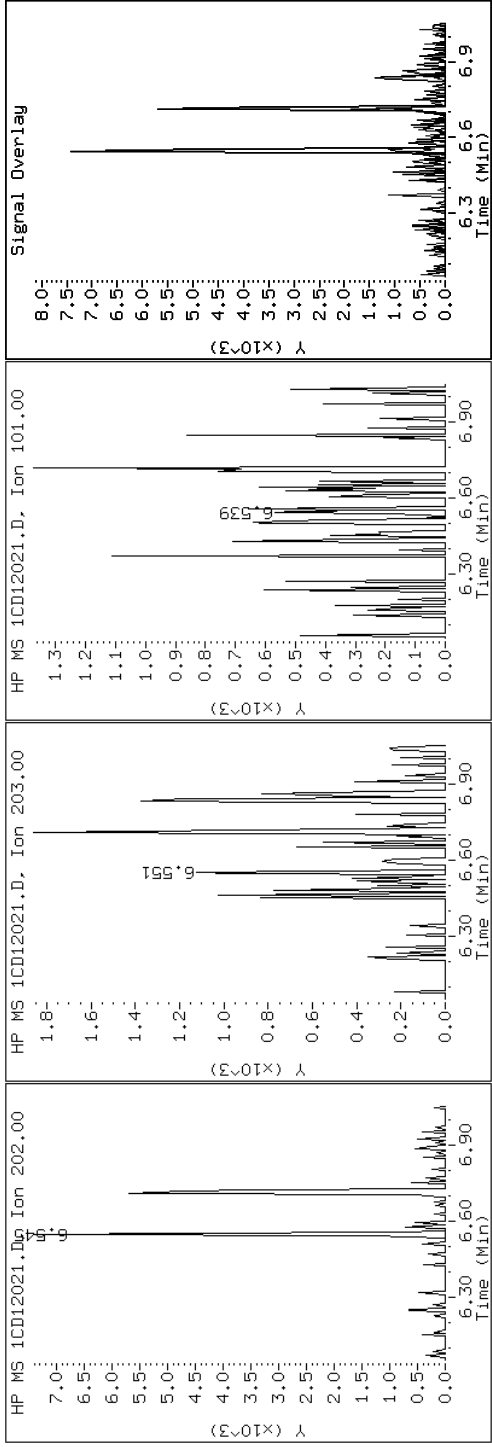
Client ID: CVI262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

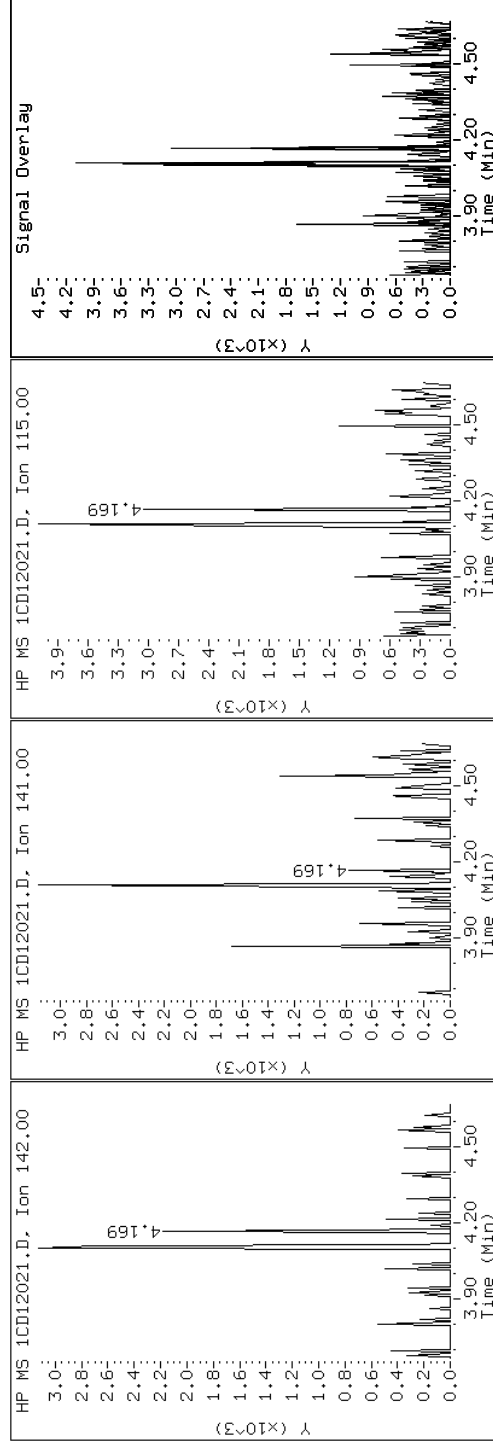
Client ID: CVI262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

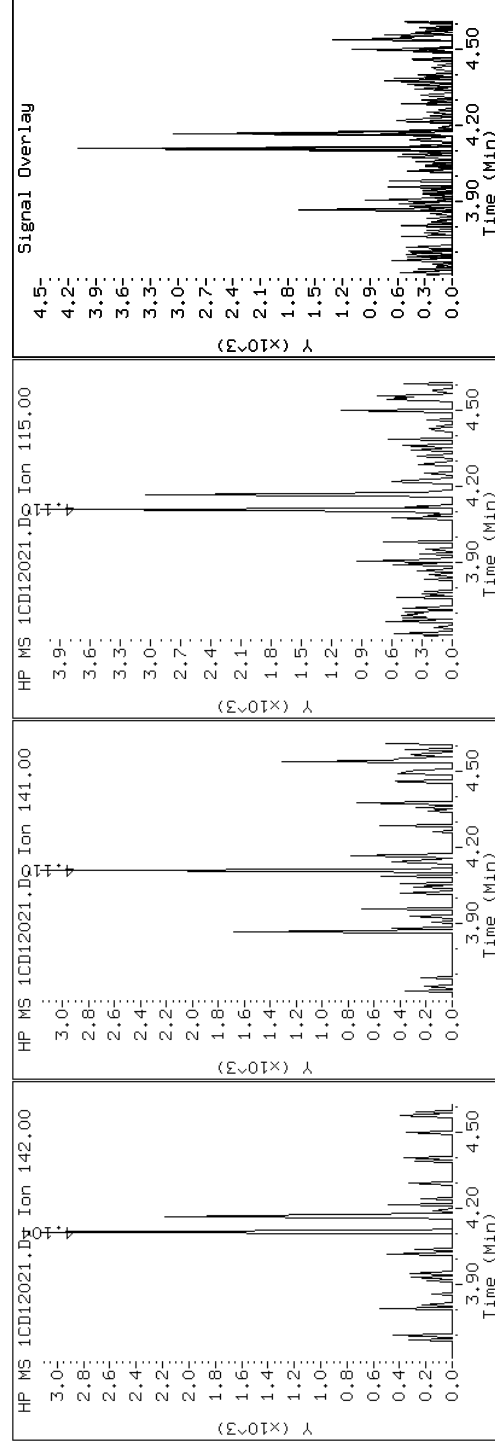
Client ID: CVI262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

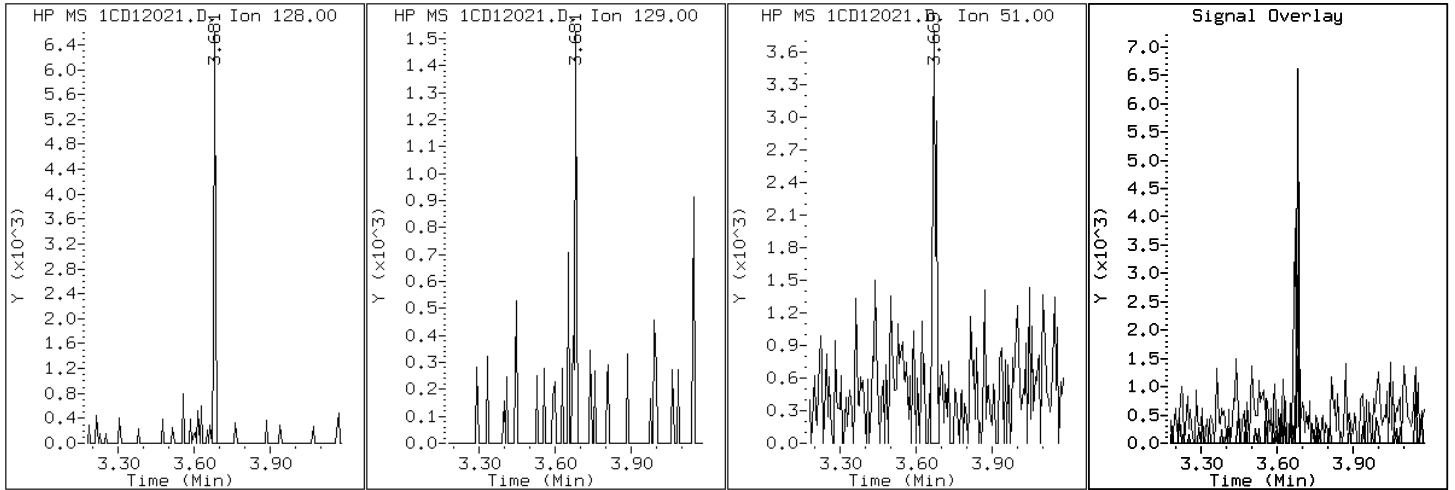
Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

2 Naphthalene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

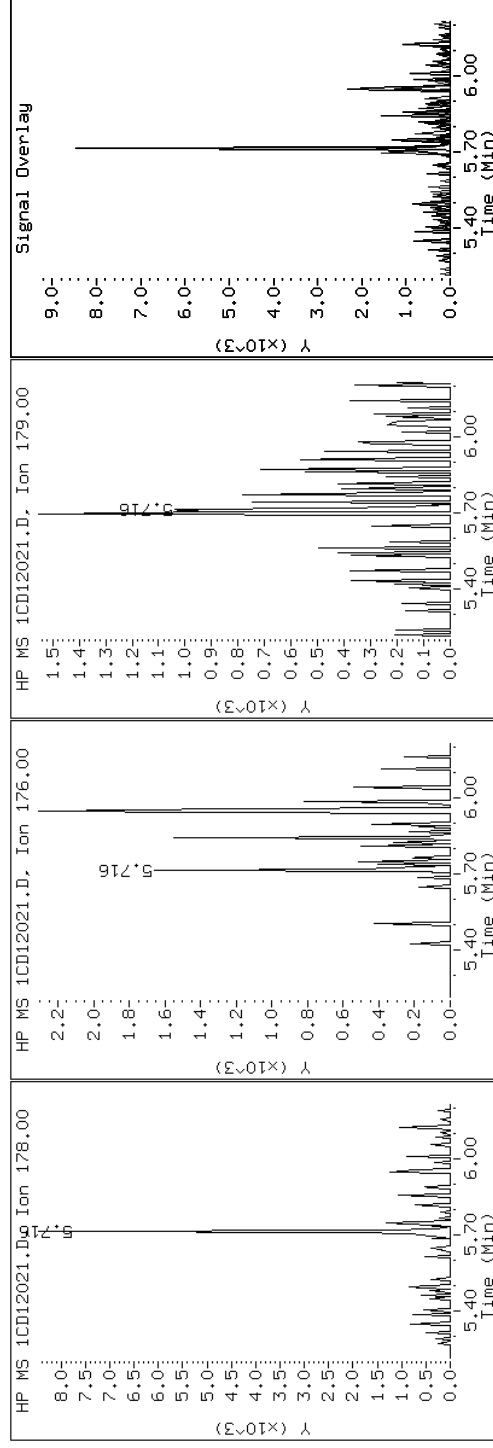
Client ID: CVI262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

11 Phenanthrene



Data File: 1CD12021.D

Date: 12-APR-2013 17:14

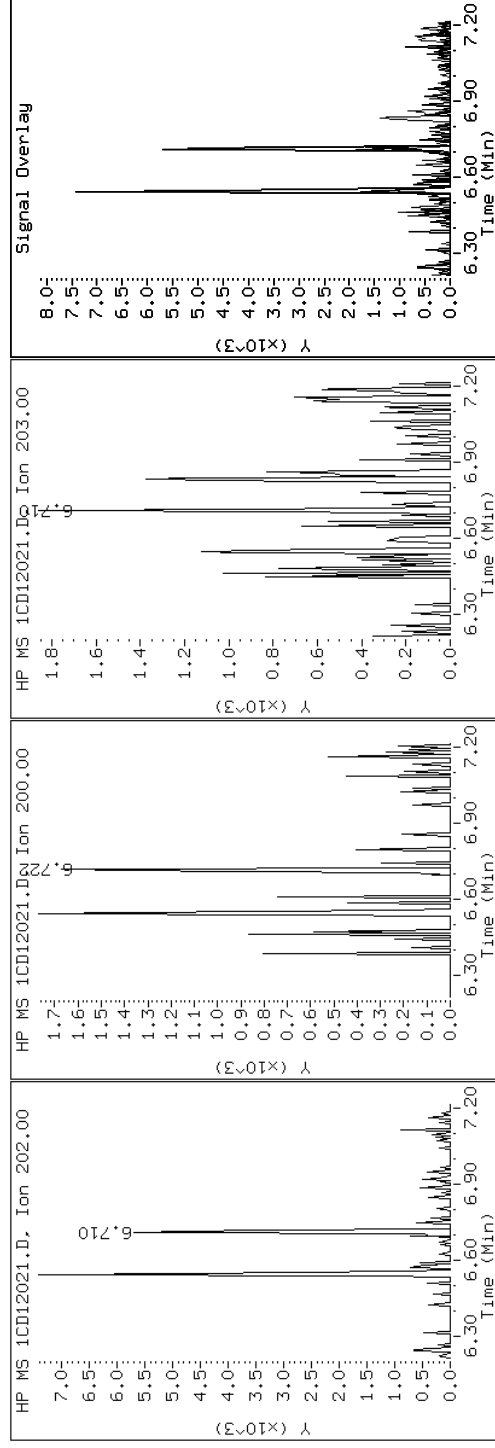
Client ID: CV1262A-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-31-a

Operator: SCC

16 Pyrene

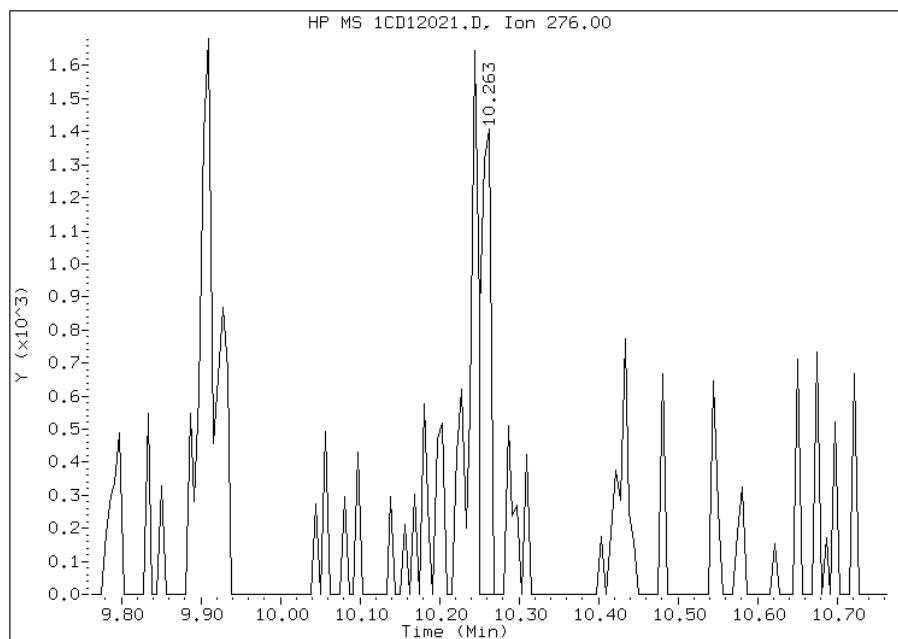


Manual Integration Report

Data File: 1CD12021.D
Inj. Date and Time: 12-APR-2013 17:14
Instrument ID: BSMC5973.i
Client ID: CV1262A-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/15/2013

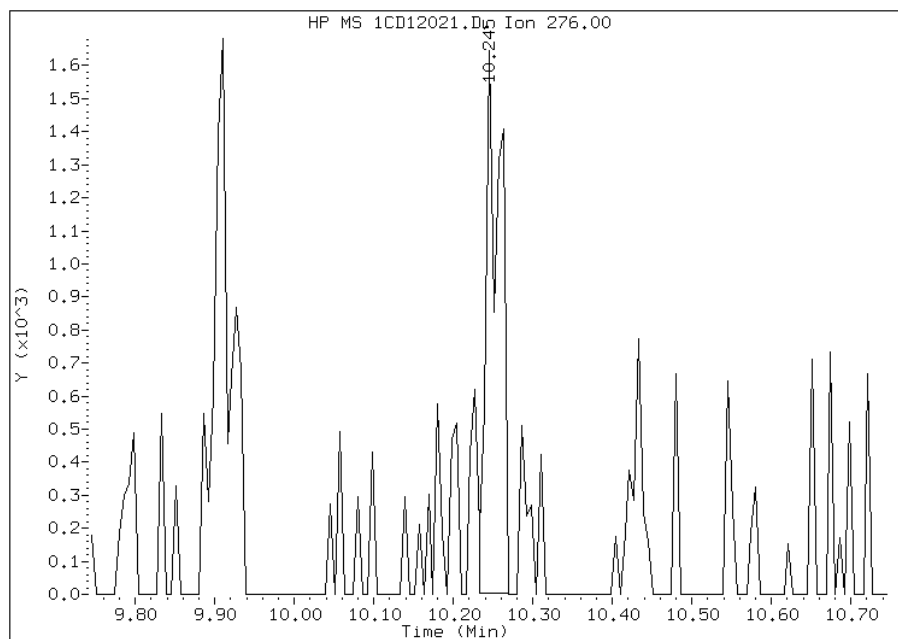
Processing Integration Results

RT: 10.26
Response: 1261
Amount: 0
Conc: 11



Manual Integration Results

RT: 10.25
Response: 2101
Amount: 0
Conc: 19



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:29
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1262B-CS Lab Sample ID: 680-89038-32
 Matrix: Solid Lab File ID: 1CD12022.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 13:20
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.18(g) Date Analyzed: 04/12/2013 17:32
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 30.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	28
208-96-8	Acenaphthylene	19	J	57	7.1
120-12-7	Anthracene	20		12	5.9
56-55-3	Benzo[a]anthracene	220		11	5.5
50-32-8	Benzo[a]pyrene	250		15	7.4
205-99-2	Benzo[b]fluoranthene	350		17	8.6
191-24-2	Benzo[g,h,i]perylene	170		28	6.2
207-08-9	Benzo[k]fluoranthene	120		11	5.1
218-01-9	Chrysene	210		13	6.4
53-70-3	Dibenz(a,h)anthracene	88		28	5.8
206-44-0	Fluoranthene	200		28	5.7
86-73-7	Fluorene	28	U	28	5.8
193-39-5	Indeno[1,2,3-cd]pyrene	190		28	10
90-12-0	1-Methylnaphthalene	33	J	57	6.2
91-57-6	2-Methylnaphthalene	56	J	57	10
91-20-3	Naphthalene	28	J	57	6.2
85-01-8	Phenanthrene	47		11	5.5
129-00-0	Pyrene	230		28	5.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	70		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12022.D
 Lab Smp Id: 680-89038-A-32-A Client Smp ID: CV1262B-CS
 Inj Date : 12-APR-2013 17:32
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-32-a
 Misc Info : 680-89038-A-32-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 22
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.180	Weight Extracted
M	30.159	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	282897	40.0000		
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	209141	40.0000		
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	363188	40.0000		
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	37880	6.98804	659.1306	
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	429540	40.0000		
* 23 Perylene-d12	264		8.792	8.792	(1.000)	407083	40.0000		
2 Naphthalene	128		3.680	3.680	(1.003)	2250	0.29423	27.7523(Q)	
3 2-Methylnaphthalene	142		4.110	4.110	(1.120)	1663	0.59788	56.3934	
4 1-Methylnaphthalene	142		4.169	4.169	(1.136)	1728	0.35376	33.3673(Q)	
5 Acenaphthylene	152		4.669	4.669	(0.981)	1754	0.19792	18.6685	
11 Phenanthrene	178		5.716	5.716	(1.003)	5284	0.50291	47.4362	
12 Anthracene	178		5.751	5.751	(1.009)	2240	0.21245	20.0386	
15 Fluoranthene	202		6.545	6.551	(1.149)	24403	2.07123	195.3638	
16 Pyrene	202		6.715	6.716	(0.880)	30276	2.47759	233.6924	

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		----	-----	-----	-----	-----	-----
17 Benzo(a)anthracene	228		7.627	7.627	(0.999)	28755	2.36734	223.2937
19 Chrysene	228		7.651	7.657	(1.002)	26273	2.18651	206.2372
20 Benzo(b)fluoranthene	252		8.457	8.457	(0.962)	38087	3.70428	349.3980
21 Benzo(k)fluoranthene	252		8.474	8.480	(0.964)	14821	1.27388	120.1560(Q)
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	28303	2.66300	251.1816
24 Indeno(1,2,3-cd)pyrene	276		9.909	9.921	(1.127)	14532	2.01568	190.1244(M)
25 Dibenzo(a,h)anthracene	278		9.921	9.933	(1.128)	5062	0.93263	87.9677
26 Benzo(g,h,i)perylene	276		10.245	10.256	(1.165)	17926	1.79946	169.7298

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CD12022.D

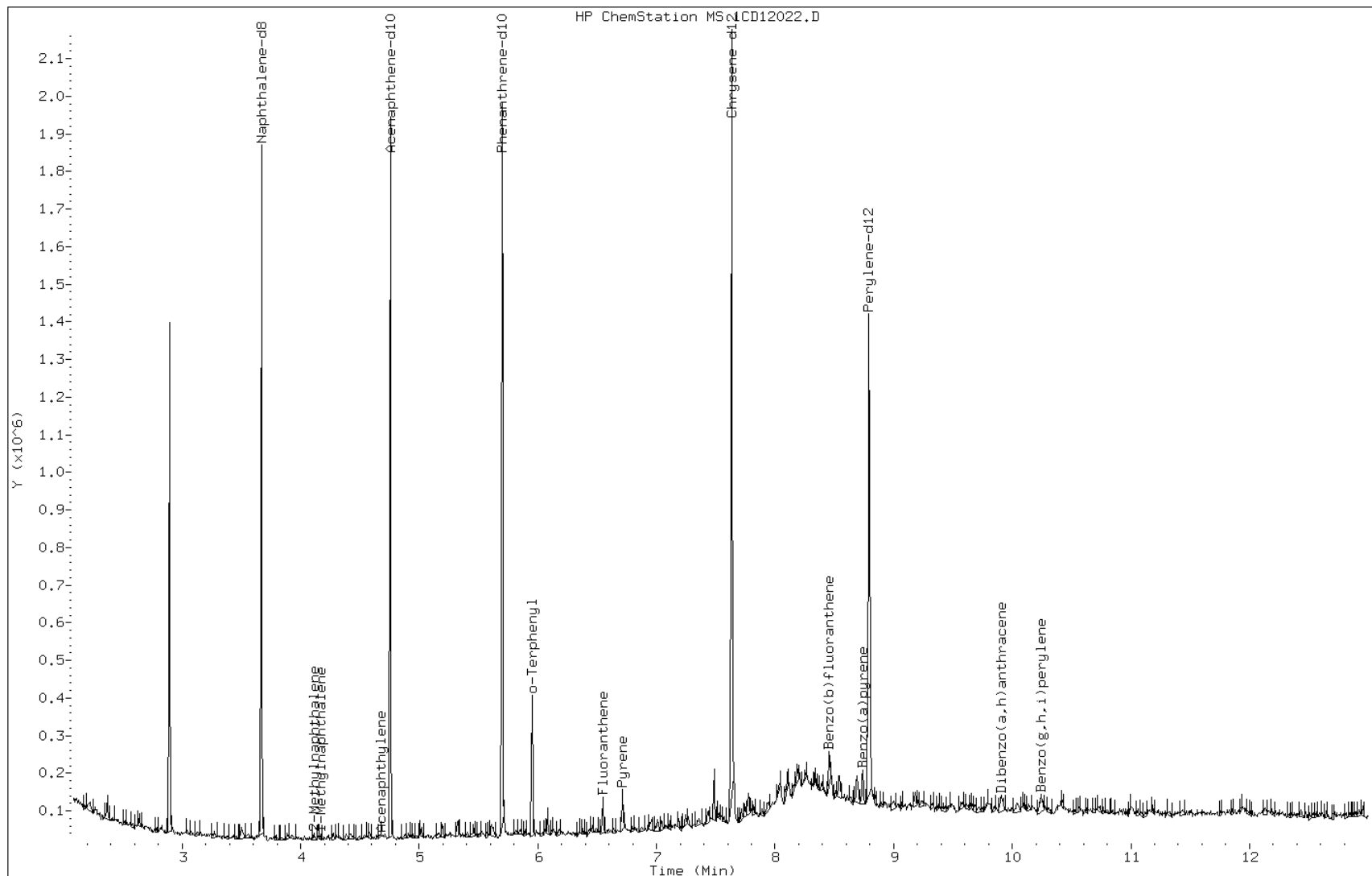
Date: 12-APR-2013 17:32

Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

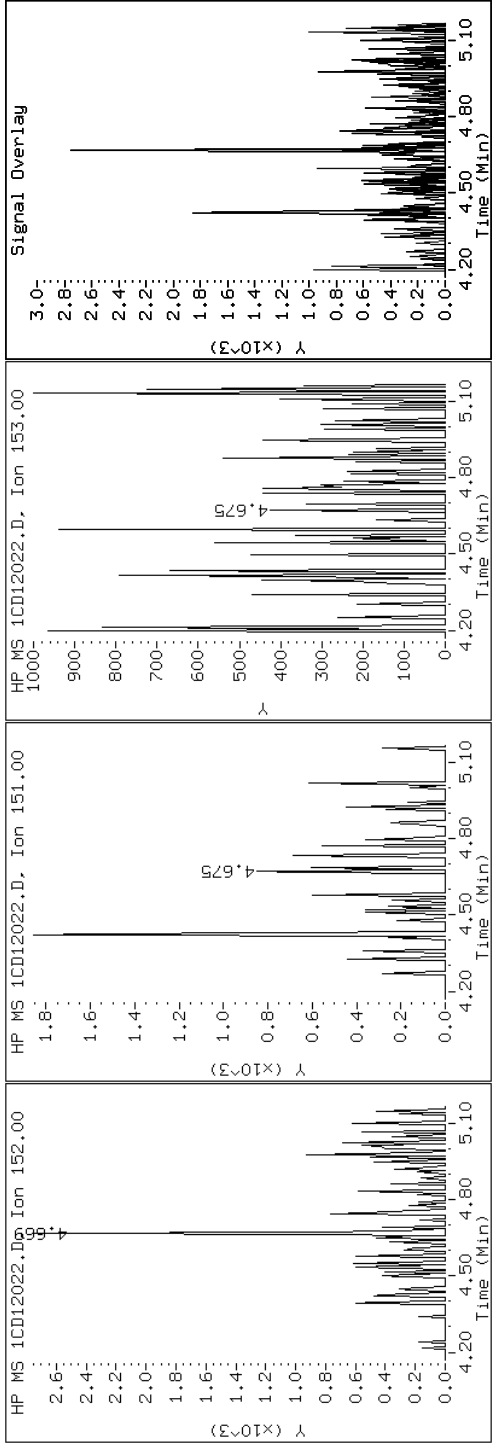
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

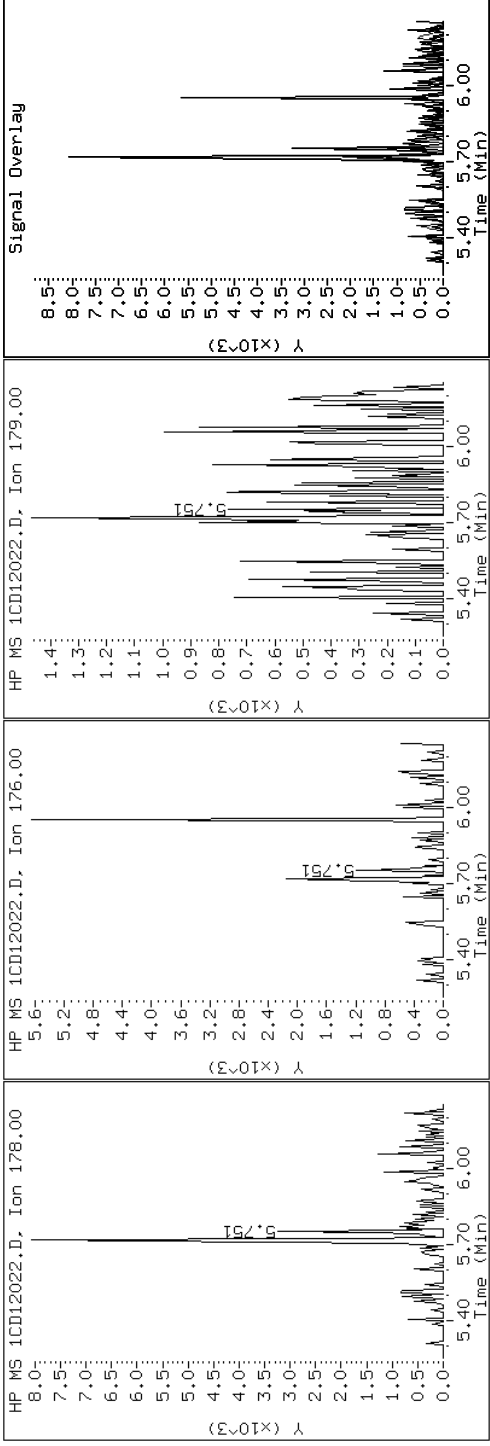
Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

12 Anthracene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

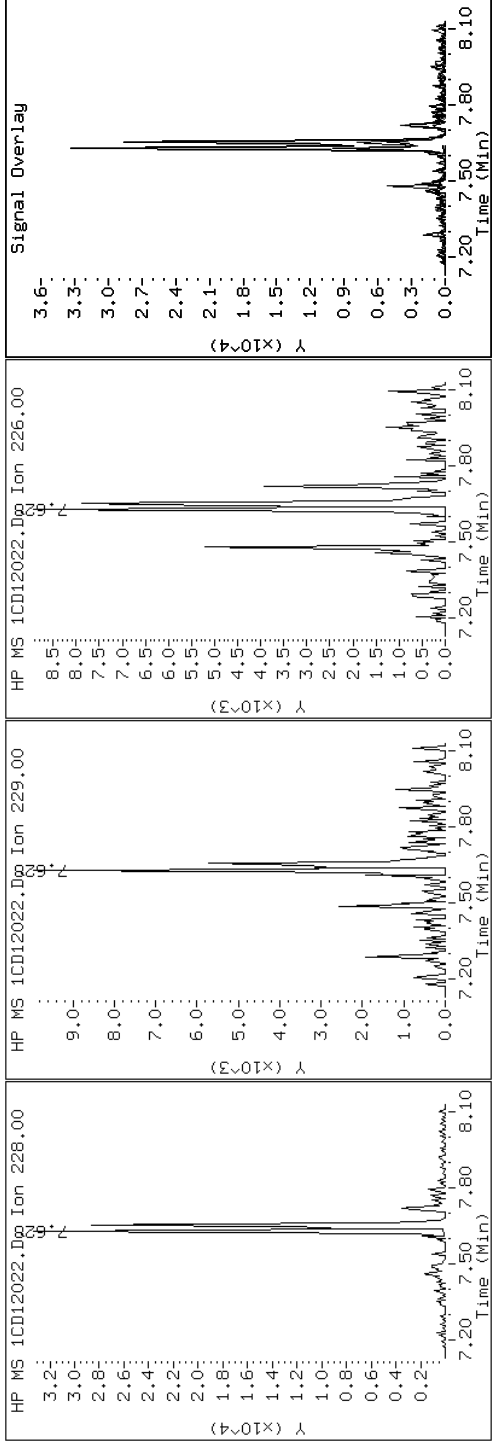
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

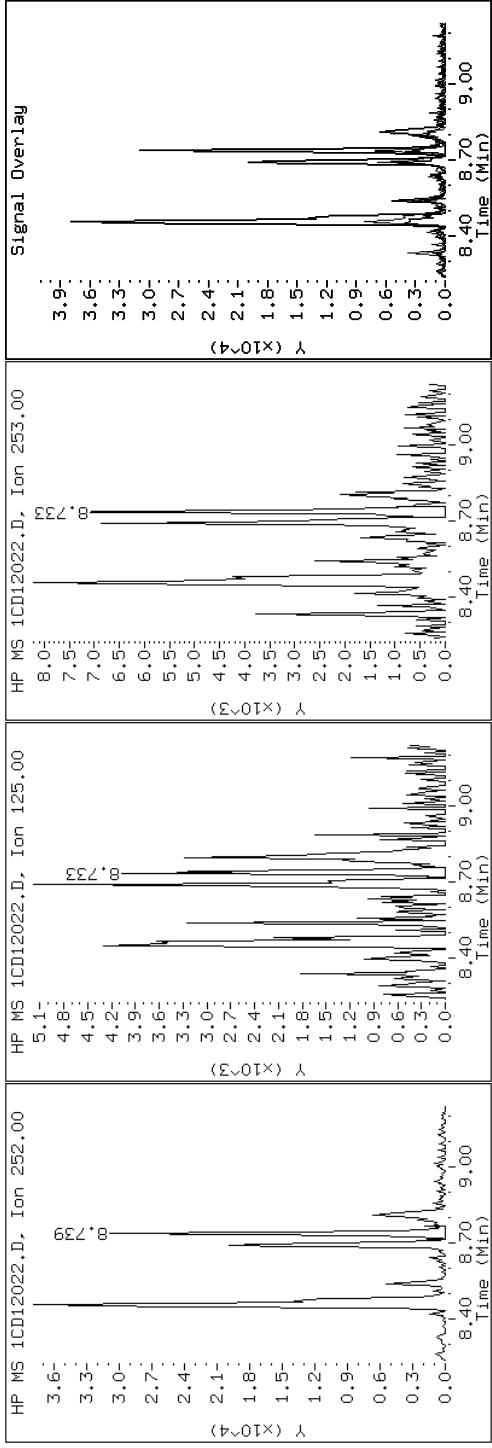
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

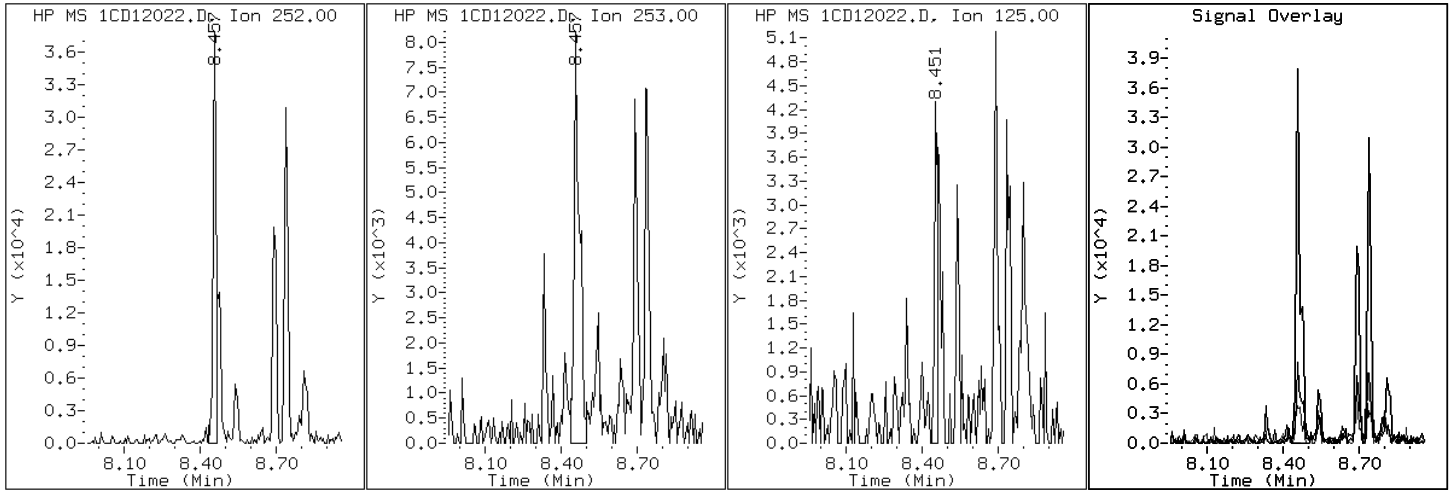
Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

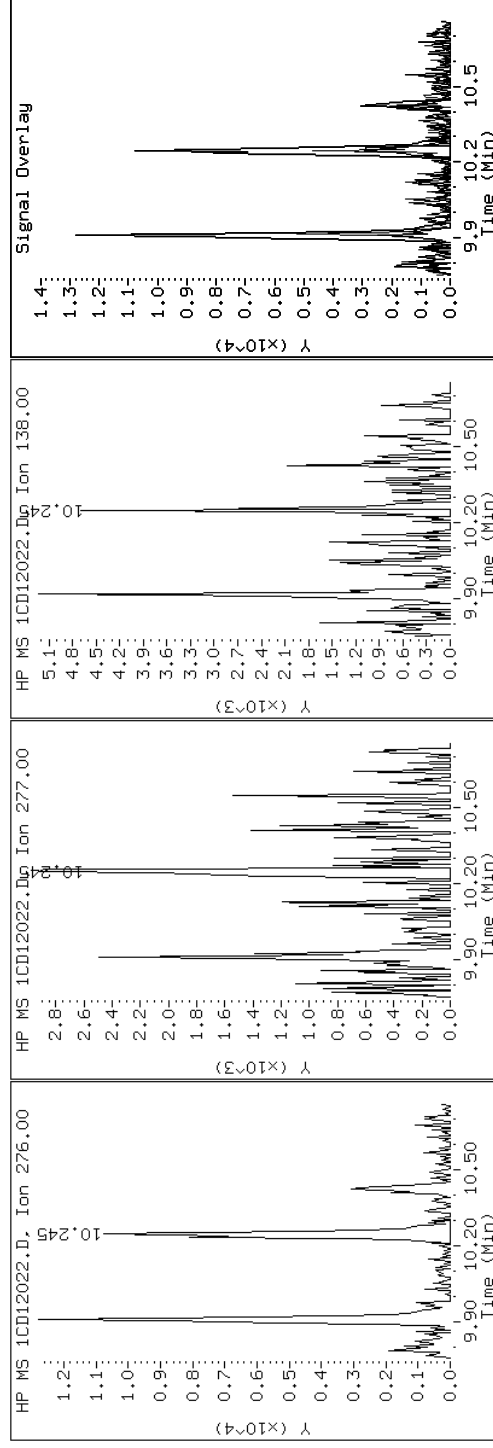
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

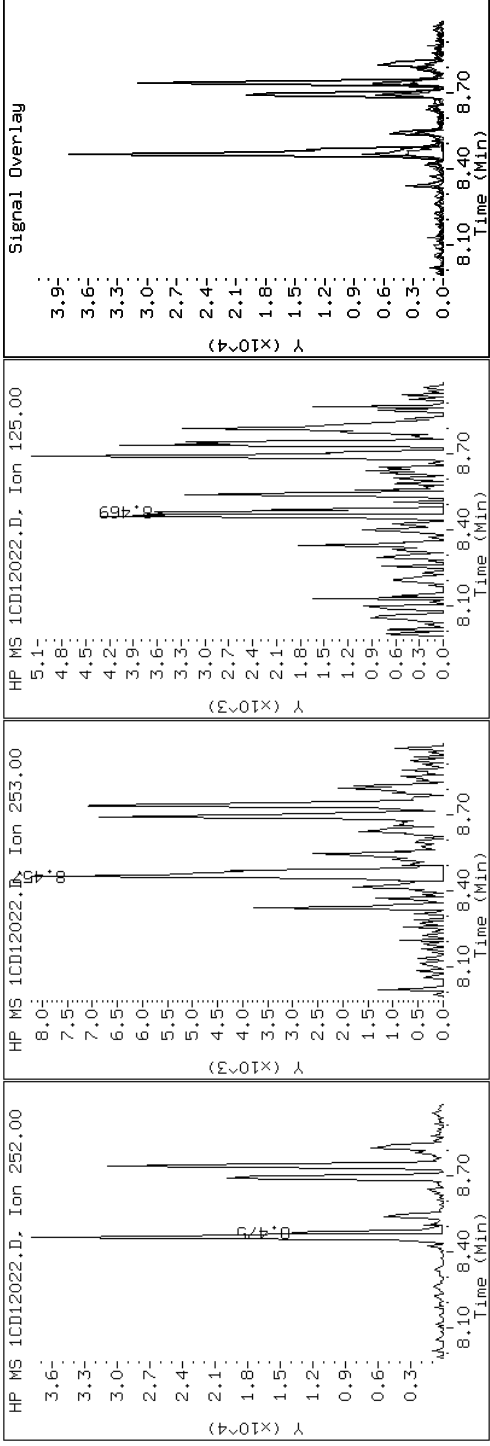
Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

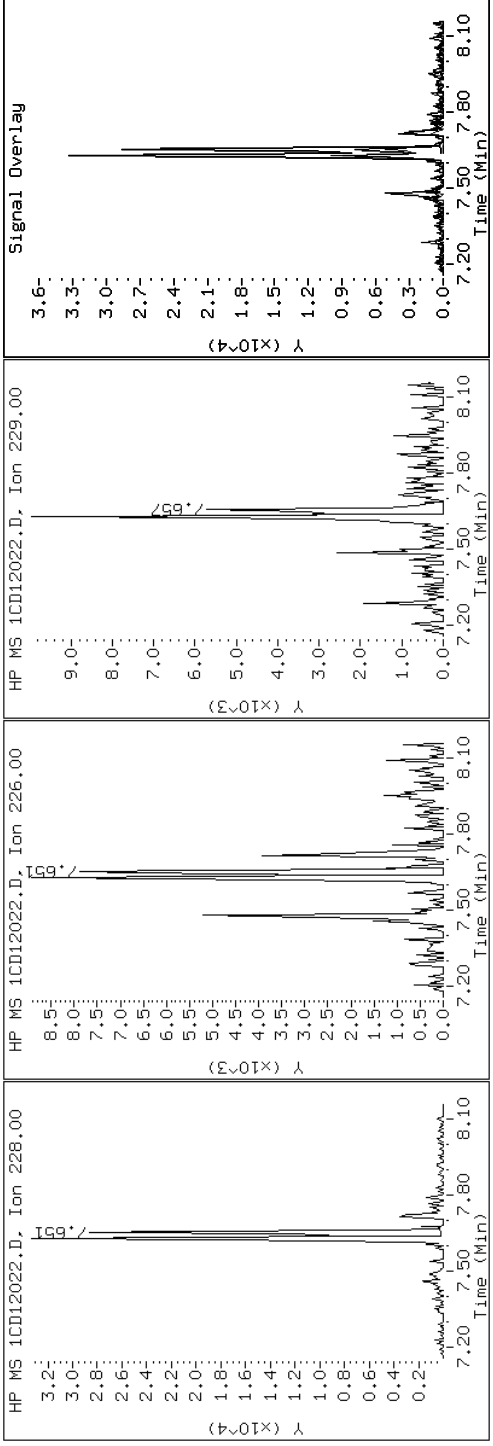
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

19 Chrysene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

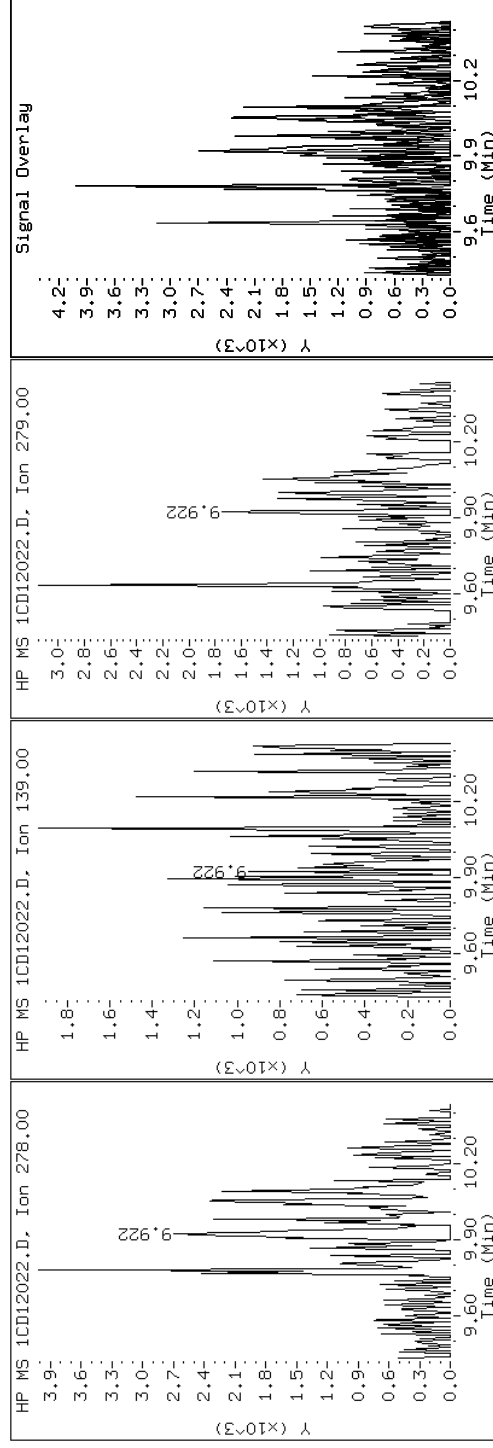
Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

25 Dibenzo(a,h)anthracene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

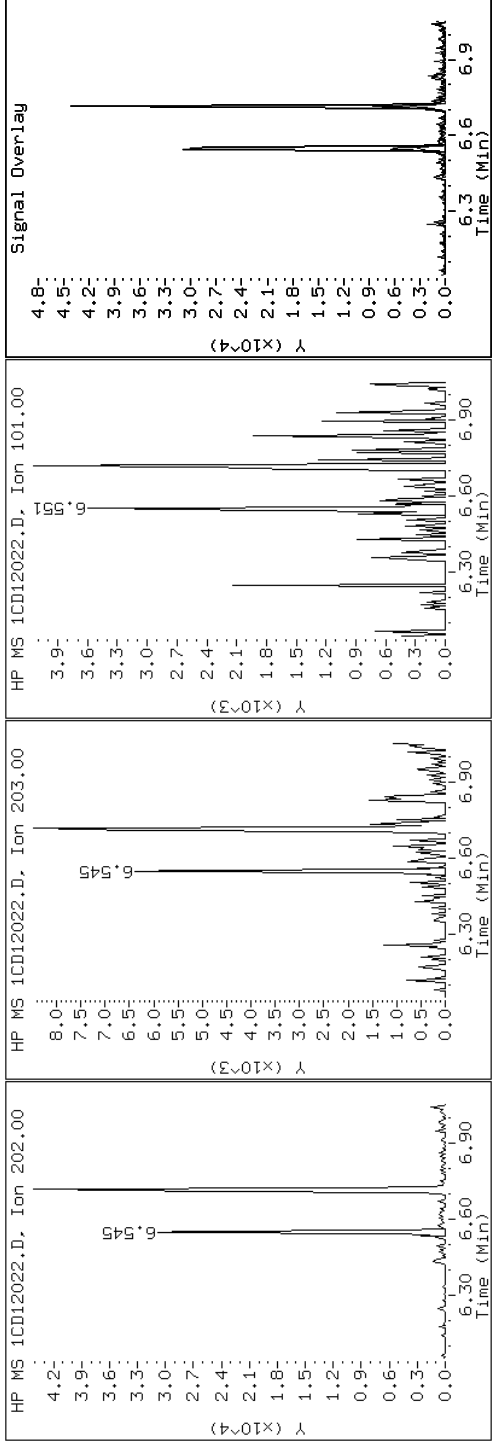
Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

15 Fluoranthene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

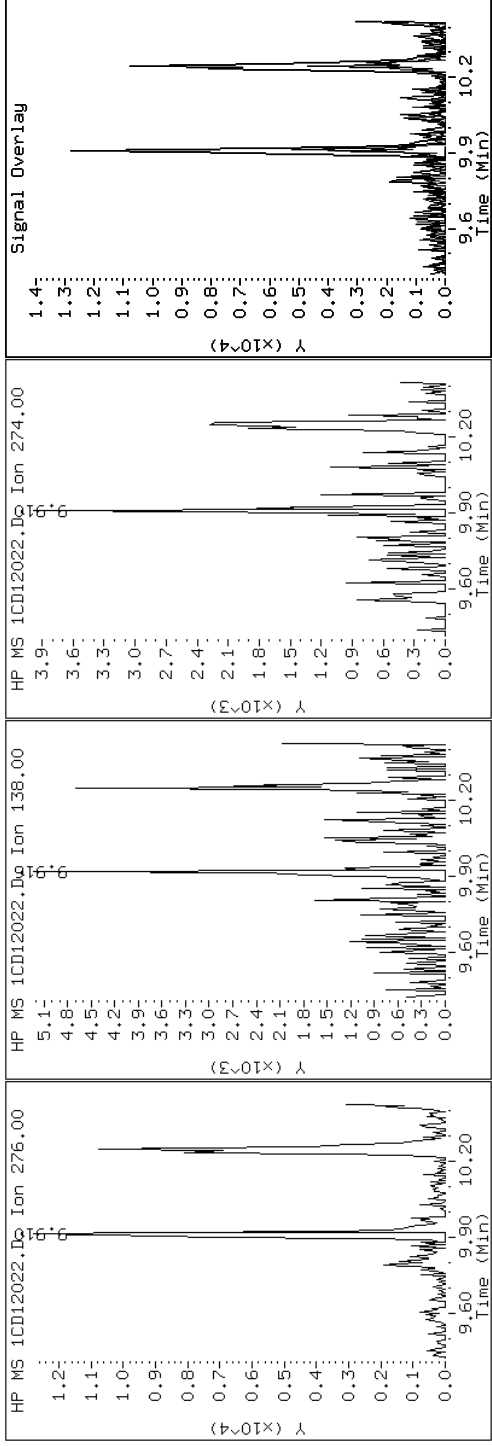
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

24 Indeno(1,2,3-cd)pyrene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

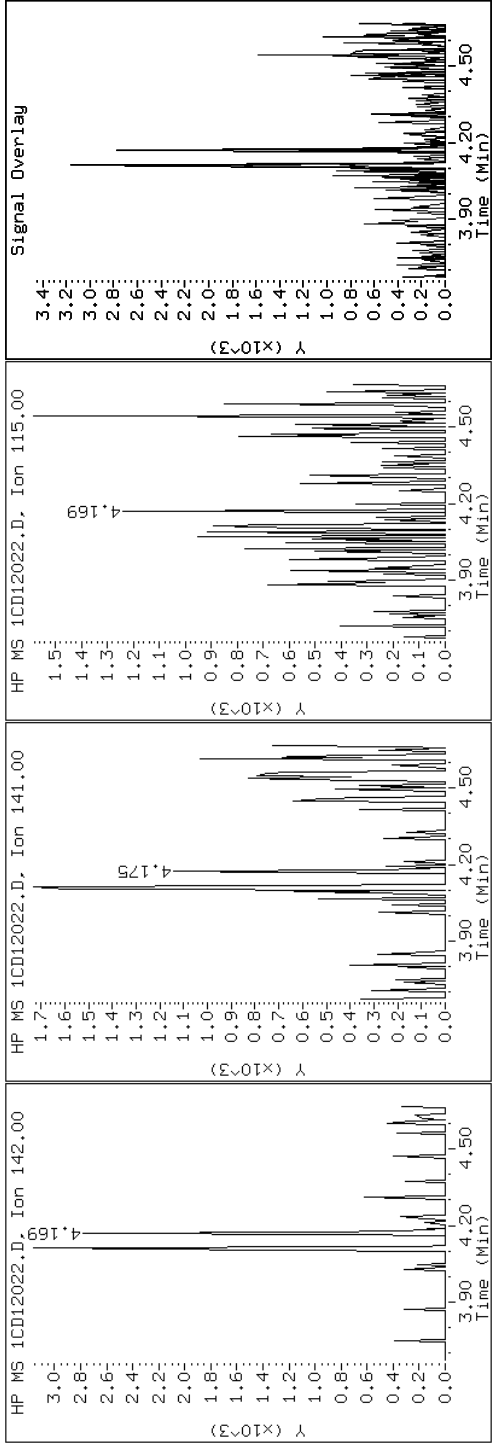
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

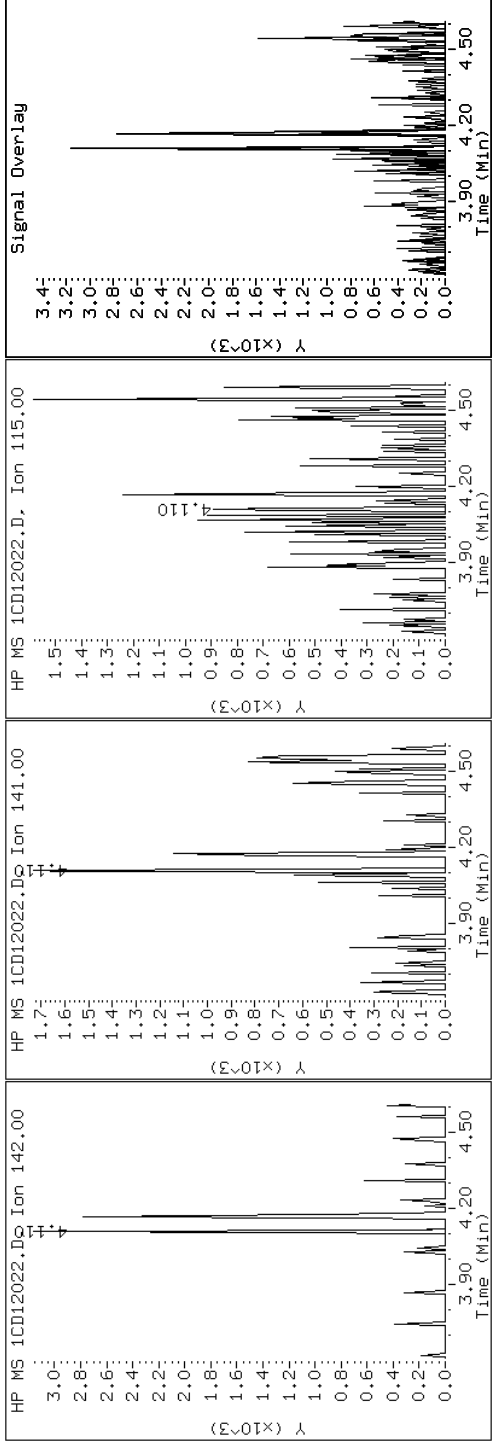
Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

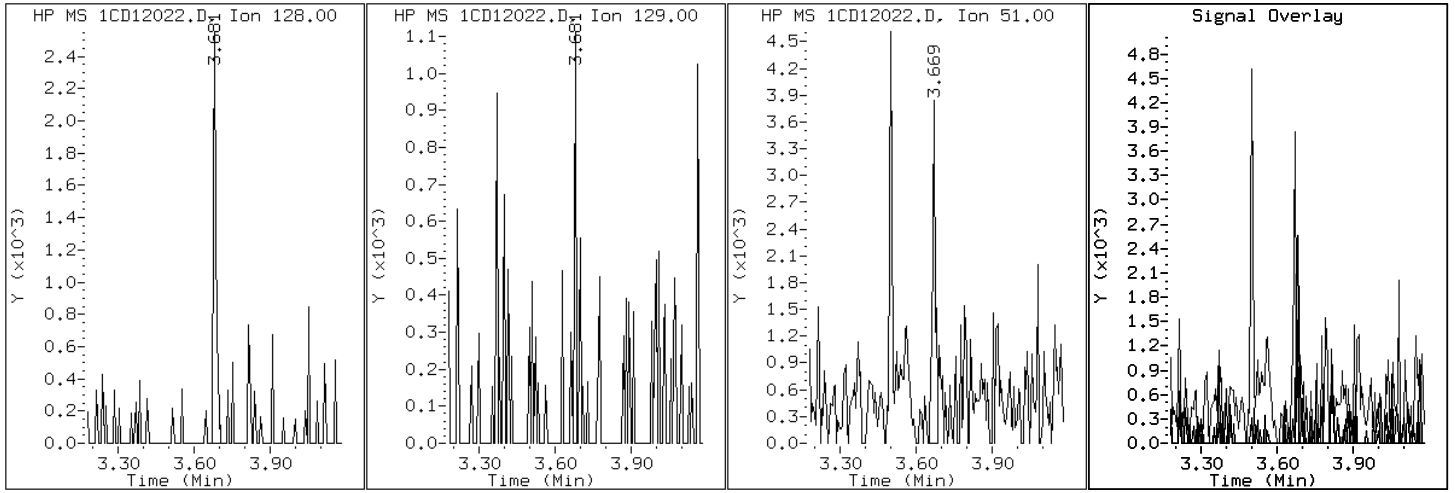
Client ID: CV1262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

2 Naphthalene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

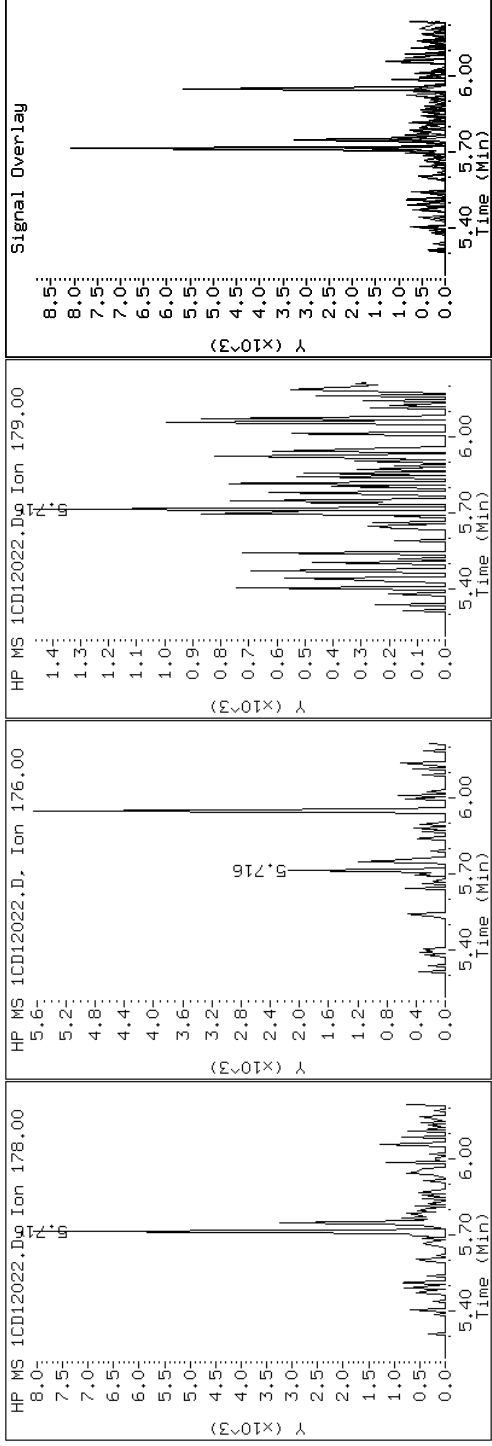
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

11 Phenanthrene



Data File: 1CD12022.D

Date: 12-APR-2013 17:32

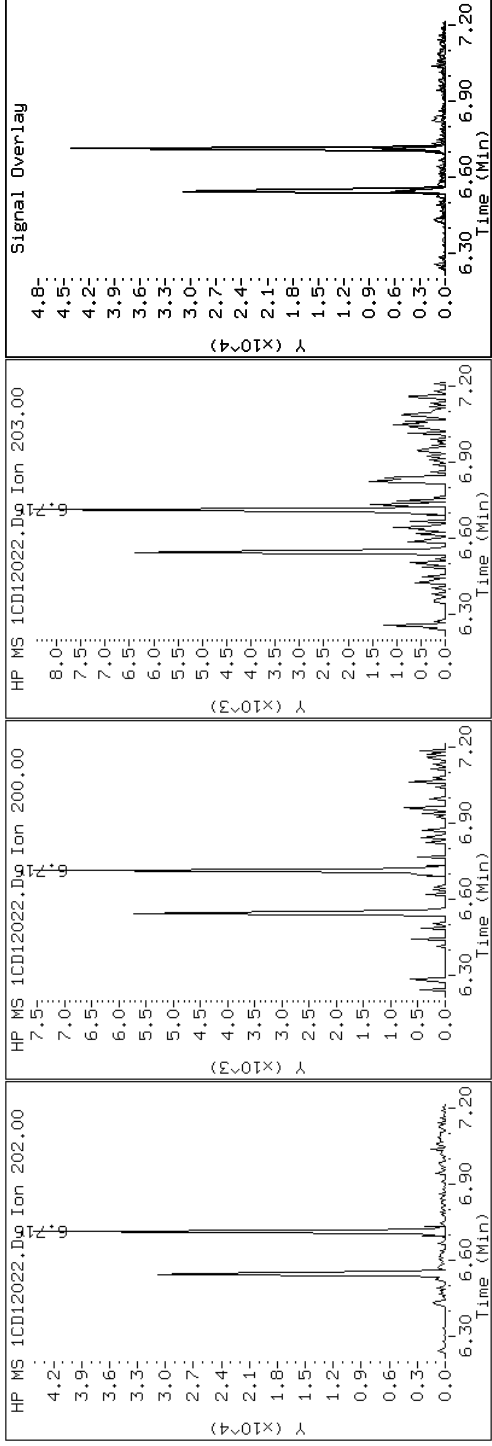
Client ID: CVI262B-CS

Instrument: BSMC5973.i

Sample Info: 680-89038-a-32-a

Operator: SCC

16 Pyrene

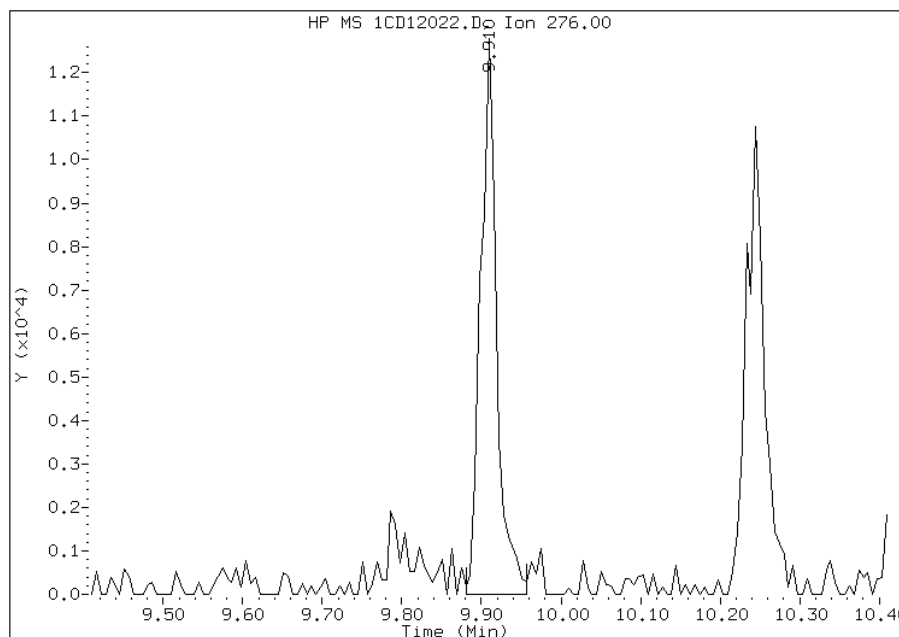


Manual Integration Report

Data File: 1CD12022.D
Inj. Date and Time: 12-APR-2013 17:32
Instrument ID: BSMC5973.i
Client ID: CV1262B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/15/2013

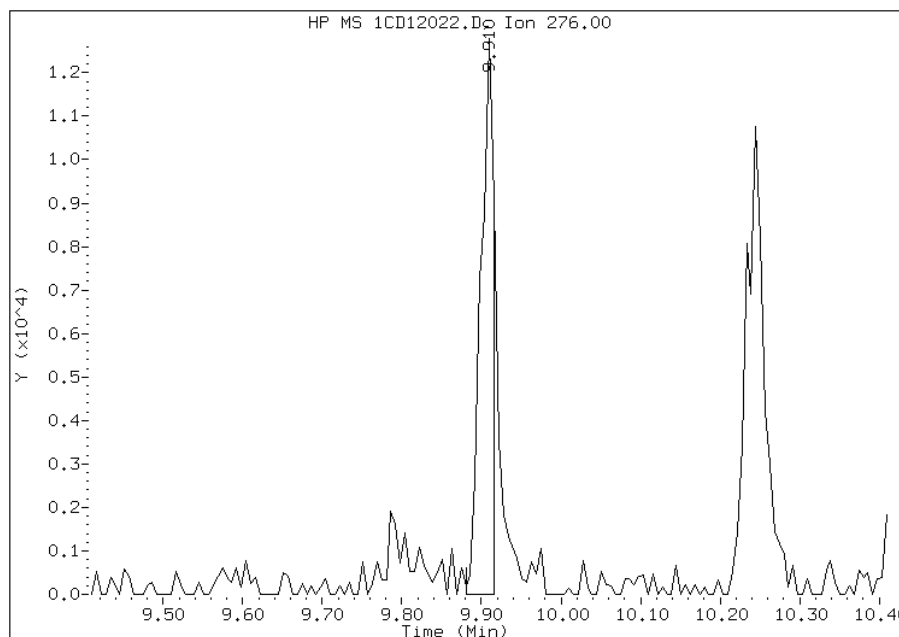
Processing Integration Results

RT: 9.91
Response: 17803
Amount: 2
Conc: 219



Manual Integration Results

RT: 9.91
Response: 14532
Amount: 2
Conc: 190



Manually Integrated By: cantins
Modification Date: 15-Apr-2013 11:30
Manual Integration Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136370

SDG No.: _____

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:56 Calibration End Date: 04/11/2013 14:06 Calibration ID: 2882

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136370/4	1CD11004.D
Level 2	IC 660-136370/5	1CD11005.D
Level 3	IC 660-136370/6	1CD11006.D
Level 4	IC 660-136370/7	1CD11007.D
Level 5	ICIS 660-136370/3	1CD11003.D
Level 6	IC 660-136370/8	1CD11008.D
Level 7	IC 660-136370/9	1CD11009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Naphthalene	1.0403 1.0845	1.1154 1.0398	1.1255	1.0833	1.0799	Ave		1.0813			0.0000	3.1	15.0				
2-Methylnaphthalene	0.4518 0.7139	0.7915 0.7215	0.6274	0.6964	0.7086	Lin	0.0068	0.7231			0.0000			0.9998		0.9900	
1-Methylnaphthalene	0.8501 0.6677	0.6263 0.6578	0.7166	0.6190	0.6973	Ave		0.6907			0.0000	11.4	15.0				
Acenaphthylene	1.6419 1.8703	1.3506 1.6568	1.8874	1.7159	1.7417	Ave		1.6949			0.0000	10.6	15.0				
Acenaphthene	0.9825 1.0658	0.8838 1.0336	1.0463	1.1258	1.0124	Ave		1.0214			0.0000	7.4	15.0				
Fluorene	1.4896 1.3834	0.9662 1.2871	1.3197	1.3886	1.2644	Ave		1.2999			0.0000	12.7	15.0				
Phenanthrene	2.1565 1.1836	1.0586 1.1536	1.1958	1.1594	1.1404	Qua	0.0002	0.8500	0.0102		0.0000			0.9997		0.9900	
Anthracene	1.0455 1.1188	1.2005 1.2175	1.1643	1.1719	1.2102	Ave		1.1612			0.0000	5.3	15.0				
Carbazole	1.3254 1.0648	0.9055 1.0829	1.1357	1.0658	0.9905	Ave		1.0815			0.0000	12.1	15.0				
Fluoranthene	1.1179 1.2730	1.3921 1.3602	1.2694	1.3341	1.3364	Ave		1.2976			0.0000	7.0	15.0				
Pyrene	1.2897 1.1555	0.9972 1.1333	1.1447	1.1276	1.1177	Ave		1.1380			0.0000	7.5	15.0				
Benzo[a]anthracene	1.8552 1.1480	1.4389 1.1253	1.1508	1.0977	1.1349	LinF		1.1311			0.0000			0.9998		0.9900	
Chrysene	1.1739 1.1646	0.9735 1.1563	1.1877	1.0757	1.1010	Ave		1.1190			0.0000	6.8	15.0				
Benzo[b]fluoranthene	0.7438 1.0730	0.9477 1.0842	1.1078	1.0038	1.1118	Ave		1.0103			0.0000	13.0	15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136370

SDG No.: _____

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:56 Calibration End Date: 04/11/2013 14:06 Calibration ID: 2882

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Benzo[k]fluoranthene	1.0957 1.1960	1.0347 1.3382	1.1426	1.1475	1.0478	Ave		1.1432			0.0000	9.0		15.0			
Benzo[a]pyrene	1.0857 1.0737	0.9221 1.1530	1.0427	1.0583	0.9747	Ave		1.0443			0.0000	7.2		15.0			
Indeno[1,2,3-cd]pyrene	1.4093 0.9346	0.8576 1.0494	0.9853	0.8955	1.0192	Lin	0.0160	1.0375			0.0000				0.9958		0.9900
Dibenz(a,h)anthracene	1.3482 0.9834	0.8948 1.0265	0.9138	0.9357	0.9949	Lin	0.0112	1.0243			0.0000				0.9993		0.9900
Benzo[g,h,i]perylene	0.7587 0.9881	1.0764 1.0165	0.9898	1.0387	0.9838	Ave		0.9789			0.0000	10.5		15.0			
o-Terphenyl	0.2006 0.5933	0.7698 0.6744	0.6516	0.6045	0.6070	Lin	0.0172	0.6624			0.0000				0.9945		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136370

SDG No.: _____

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:56 Calibration End Date: 04/11/2013 14:06 Calibration ID: 2882

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136370/4	1CD11004.D
Level 2	IC 660-136370/5	1CD11005.D
Level 3	IC 660-136370/6	1CD11006.D
Level 4	IC 660-136370/7	1CD11007.D
Level 5	ICIS 660-136370/3	1CD11003.D
Level 6	IC 660-136370/8	1CD11008.D
Level 7	IC 660-136370/9	1CD11009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Naphthalene	NPT	Ave	1285 178326	6408 318955	33340	66803	132678	0.200 30.0	1.00 50.0	5.00	10.0	20.0
2-Methylnaphthalene	NPT	Lin	558 117387	4547 221322	18585	42945	87061	0.200 30.0	1.00 50.0	5.00	10.0	20.0
1-Methylnaphthalene	NPT	Ave	1050 109784	3598 201768	21228	38170	85663	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthylene	ANT	Ave	1337 212811	5176 370532	39114	69442	156488	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthene	ANT	Ave	800 121274	3387 231163	21682	45560	90964	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluorene	ANT	Ave	1213 157410	3703 287857	27348	56195	113606	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Phenanthrene	PHN	Qua	3451 259782	7274 472306	47149	85752	182675	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Anthracene	PHN	Ave	1673 245548	8249 498469	45907	86681	193854	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Carbazole	PHN	Ave	2121 233698	6222 443362	44777	78836	158666	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluoranthene	PHN	Ave	1789 279401	9565 556889	50052	98679	214080	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Pyrene	CRY	Ave	2372 307735	8697 619923	55349	104590	229647	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[a]anthracene	CRY	LinF	3412 305726	12549 615507	55643	101817	233188	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Chrysene	CRY	Ave	2159 310162	8490 632502	57430	99776	226221	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	1499 299492	9159 576085	56470	93677	243941	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	2208 333825	10000 711099	58242	107089	229890	0.200 30.0	1.00 50.0	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136370

SDG No.: _____

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:56 Calibration End Date: 04/11/2013 14:06 Calibration ID: 2882

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Benzo[a]pyrene	PRY	Ave	2188 299708	8912 612644	53152	98767	213852	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Lin	2840 260884	8288 557635	50225	83577	223617	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Dibenz(a,h)anthracene	PRY	Lin	2717 274497	8648 545458	46577	87325	218275	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	1529 275805	10403 540151	50451	96936	215845	0.200 30.0	1.00 50.0	5.00	10.0	20.0
o-Terphenyl	PHN	Lin	321 130217	5289 276100	25692	44711	97236	0.200 30.0	1.00 50.0	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
LinF = Linear ISTD forced zero
Qua = Quadratic ISTD

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 11-APR-2013 11:56
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\a-bFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:38 BSMC5973.i Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 3 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 Naphthalene-d8	136		3.675	3.675	(1.000)	245713	40.0000	
* 6 Acenaphthene-d10	164		4.763	4.763	(1.000)	179699	40.0000	
* 10 Phenanthrene-d10	188		5.704	5.704	(1.000)	320372	40.0000	
\$ 14 o-Terphenyl	230		5.957	5.957	(1.044)	97236	20.0000	19.0180
* 18 Chrysene-d12	240		7.645	7.645	(1.000)	410945	40.0000	
* 23 Perylene-d12	264		8.804	8.804	(1.000)	438804	40.0000	
2 Naphthalene	128		3.686	3.686	(1.003)	132678	20.0000	19.9755
3 2-Methylnaphthalene	142		4.116	4.116	(1.120)	87061	20.0000	21.0586
4 1-Methylnaphthalene	142		4.175	4.175	(1.136)	85663	20.0000	20.1908
5 Acenaphthylene	152		4.674	4.674	(0.981)	156488	20.0000	20.5512
7 Acenaphthene	154		4.780	4.780	(1.004)	90964	20.0000	19.3885
9 Fluorene	166		5.104	5.104	(1.072)	113606	20.0000	19.4543
11 Phenanthrene	178		5.721	5.721	(1.003)	182675	20.0000	17.6453
12 Anthracene	178		5.757	5.757	(1.009)	193854	20.0000	20.8428
13 Carbazole	167		5.863	5.863	(1.028)	158666	20.0000	18.3169
15 Fluoranthene	202		6.557	6.557	(1.150)	214080	20.0000	20.5986
16 Pyrene	202		6.721	6.721	(0.879)	229647	20.0000	19.6431
17 Benzo(a)anthracene	228		7.633	7.633	(0.998)	233188	20.0000	20.0156
19 Chrysene	228		7.663	7.663	(1.002)	226221	20.0000	19.6785
20 Benzo(b)fluoranthene	252		8.468	8.468	(0.962)	243941	20.0000	22.0102
21 Benzo(k)fluoranthene	252		8.486	8.486	(0.964)	229890	20.0000	18.3309
22 Benzo(a)pyrene	252		8.751	8.751	(0.994)	213852	20.0000	18.6665
24 Indeno(1,2,3-cd)pyrene	276		9.927	9.927	(1.128)	223617	20.0000	19.9538(M)
25 Dibenzo(a,h)anthracene	278		9.945	9.945	(1.130)	218275	20.0000	19.6244
26 Benzo(g,h,i)perylene	276		10.262	10.262	(1.166)	215845	20.0000	20.1007

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD11003.D

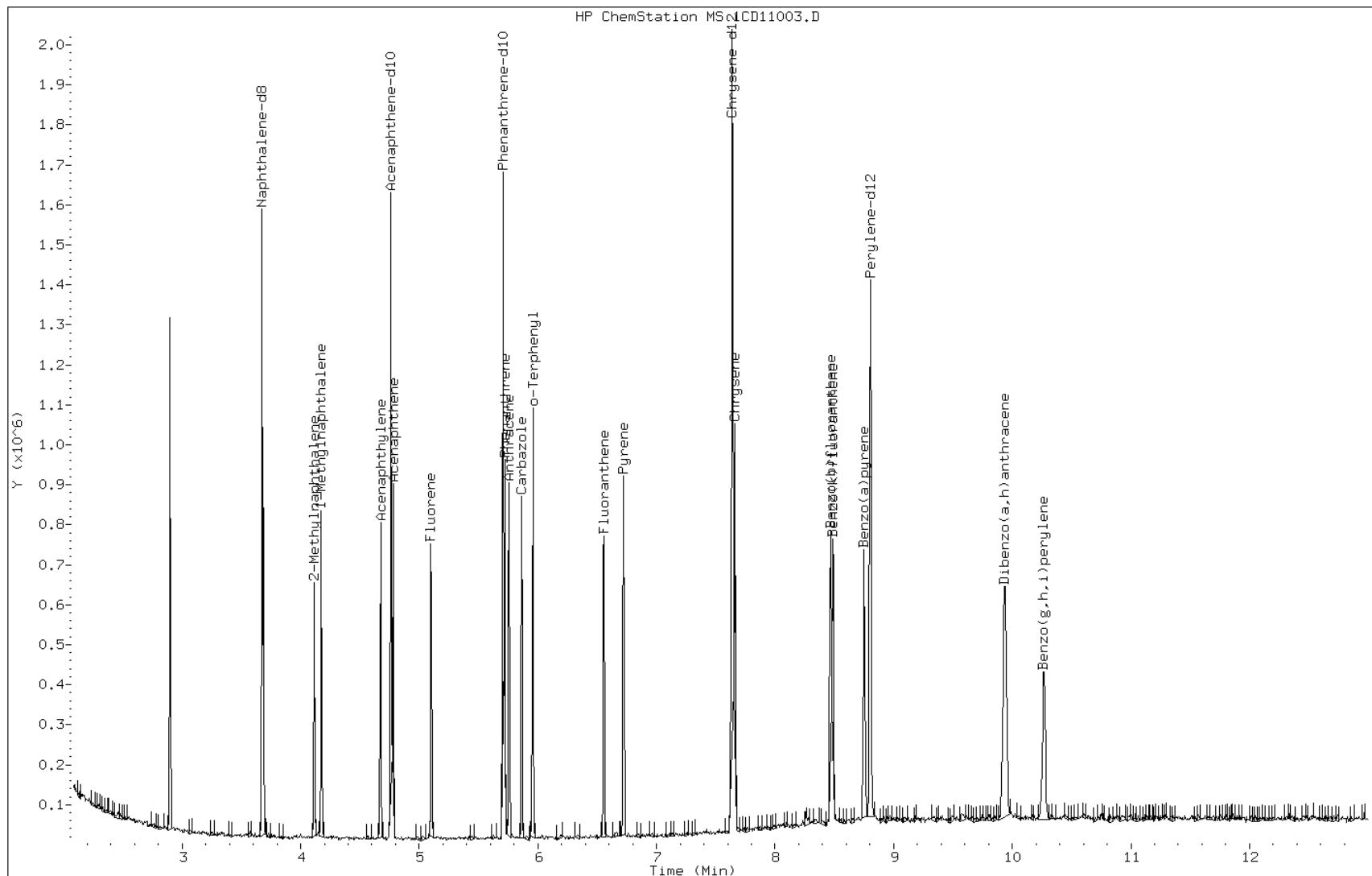
Date: 11-APR-2013 11:56

Client ID:

Instrument: BSMC5973.i

Sample Info: ICIS-1531401

Operator: SCC

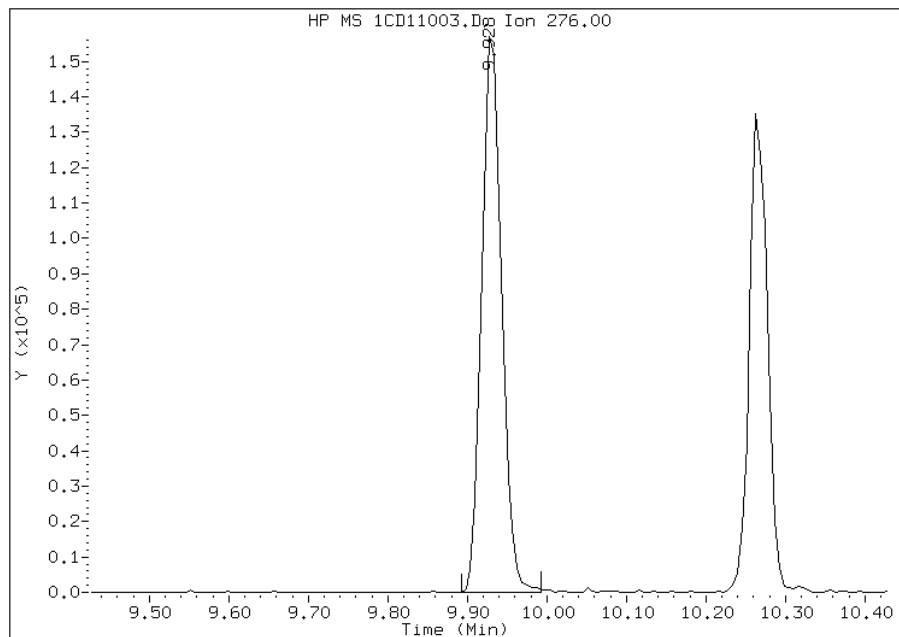


Manual Integration Report

Data File: 1CD11003.D
Inj. Date and Time: 11-APR-2013 11:56
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

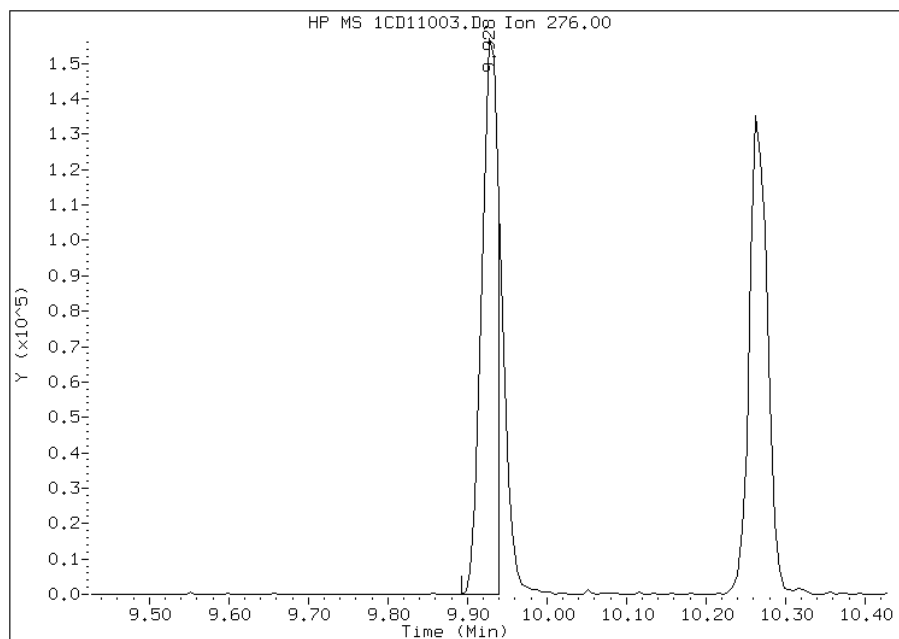
Processing Integration Results

RT: 9.93
Response: 271031
Amount: 23
Conc: 23



Manual Integration Results

RT: 9.93
Response: 223617
Amount: 20
Conc: 20



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 12:40
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11004.D
 Lab Smp Id: IC-1531396
 Inj Date : 11-APR-2013 12:35
 Operator : SCC
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\a-bFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:38 BSMC5973.i Quant Type: ISTD
 Cal Date : 11-APR-2013 11:56 Cal File: 1CD11003.D
 Als bottle: 4 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 Naphthalene-d8	136		3.674	3.674	(1.000)	247033	40.0000	
* 6 Acenaphthene-d10	164		4.763	4.763	(1.000)	162858	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	320053	40.0000	(H)
\$ 14 o-Terphenyl	230		5.980	5.980	(1.045)	321	0.20000	0.7502(Q)
* 18 Chrysene-d12	240		7.656	7.656	(1.000)	367836	40.0000	
* 23 Perylene-d12	264		8.827	8.827	(1.000)	403046	40.0000	
2 Naphthalene	128		3.686	3.686	(1.003)	1285	0.20000	0.1924(Q)
3 2-Methylnaphthalene	142		4.116	4.116	(1.120)	558	0.20000	0.1342(Q)
4 1-Methylnaphthalene	142		4.180	4.180	(1.138)	1050	0.20000	0.2461(Q)
5 Acenaphthylene	152		4.680	4.680	(0.983)	1337	0.20000	0.1937
7 Acenaphthene	154		4.786	4.786	(1.005)	800	0.20000	0.0720
9 Fluorene	166		5.110	5.110	(1.073)	1213	0.20000	0.2291
11 Phenanthrene	178		5.733	5.733	(1.002)	3451	0.20000	0.3336
12 Anthracene	178		5.768	5.768	(1.008)	1673	0.20000	0.1800(H)
13 Carbazole	167		5.880	5.880	(1.028)	2121	0.20000	0.2450
15 Fluoranthene	202		6.562	6.562	(1.147)	1789	0.20000	0.1723
16 Pyrene	202		6.733	6.733	(0.879)	2372	0.20000	0.2266
17 Benzo(a)anthracene	228		7.651	7.651	(0.999)	3412	0.20000	0.2031
19 Chrysene	228		7.674	7.674	(1.002)	2159	0.20000	0.2098
20 Benzo(b)fluoranthene	252		8.498	8.498	(0.963)	1499	0.20000	0.1472
21 Benzo(k)fluoranthene	252		8.509	8.509	(0.964)	2208	0.20000	0.1916
22 Benzo(a)pyrene	252		8.774	8.774	(0.994)	2188	0.20000	0.2079
24 Indeno(1,2,3-cd)pyrene	276		9.956	9.956	(1.128)	2840	0.20000	0.2759
25 Dibenzo(a,h)anthracene	278		9.980	9.980	(1.131)	2717	0.20000	0.2659
26 Benzo(g,h,i)perylene	276		10.286	10.286	(1.165)	1529	0.20000	0.1550(M)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD11004.D

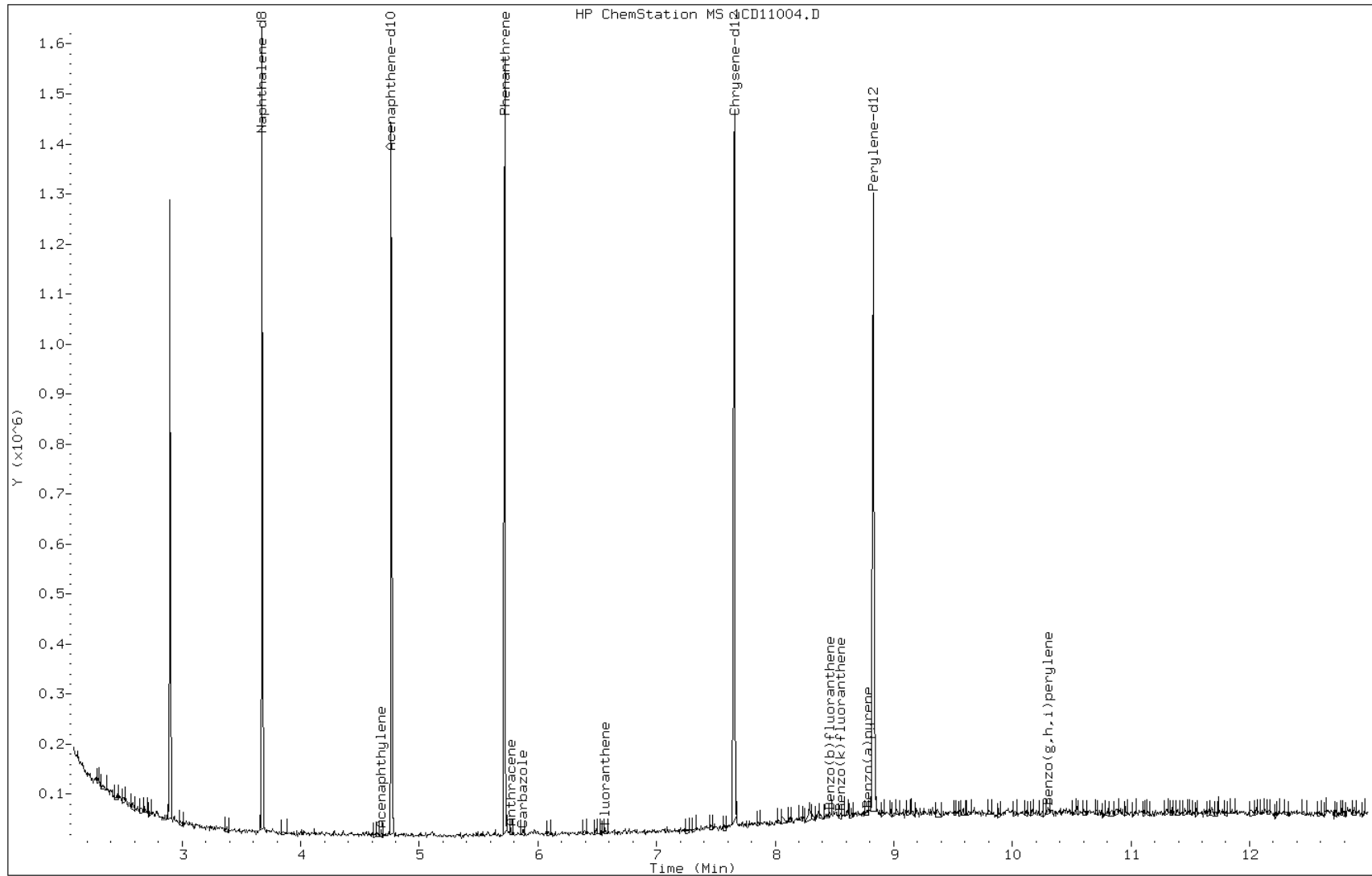
Date: 11-APR-2013 12:35

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531396

Operator: SCC

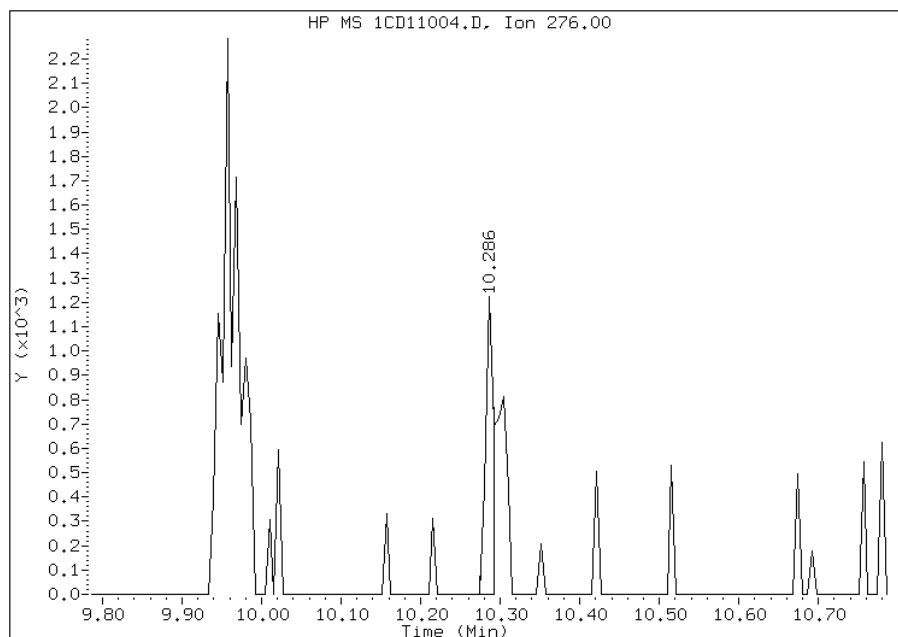


Manual Integration Report

Data File: 1CD11004.D
Inj. Date and Time: 11-APR-2013 12:35
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/11/2013

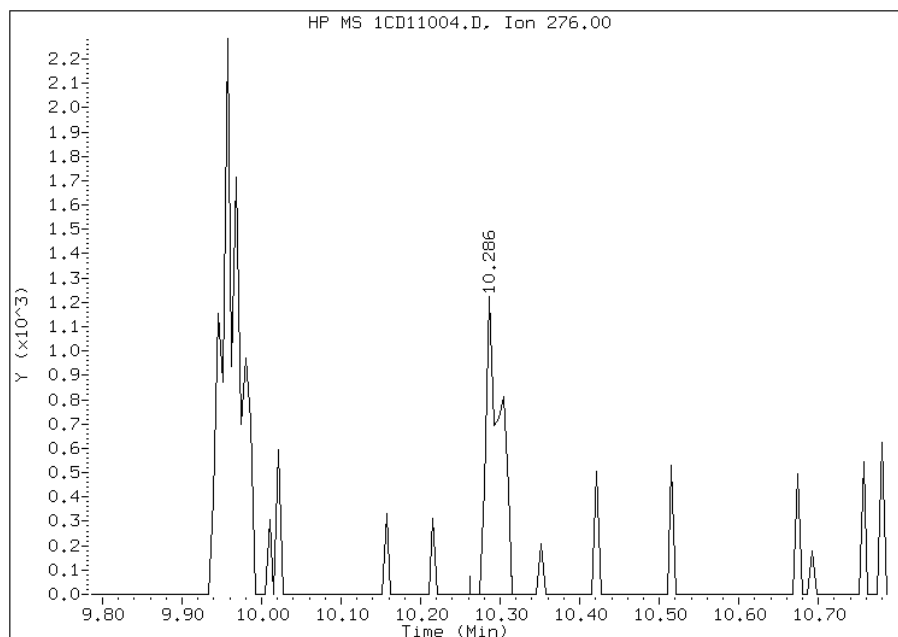
Processing Integration Results

RT: 10.29
Response: 832
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.29
Response: 1529
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:33
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMC5973.i\1C041113.b\1CD11005.D
 Lab Smp Id: IC-1531398
 Inj Date : 11-APR-2013 12:53
 Operator : SCC
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMC5973.i\1C041113.b\a-bFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:38 BSMC5973.i Quant Type: ISTD
 Cal Date : 11-APR-2013 12:35 Cal File: 1CD11004.D
 Als bottle: 5 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
* 1 Naphthalene-d8			136	3.674	3.674	(1.000)	229800	40.0000	
* 6 Acenaphthene-d10			164	4.762	4.762	(1.000)	153294	40.0000	
* 10 Phenanthrene-d10			188	5.704	5.704	(1.000)	274841	40.0000	
\$ 14 o-Terphenyl			230	5.957	5.957	(1.044)	5289	1.00000	1.8517(Q)
* 18 Chrysene-d12			240	7.639	7.639	(1.000)	348851	40.0000	
* 23 Perylene-d12			264	8.803	8.803	(1.000)	386589	40.0000	(H)
2 Naphthalene			128	3.686	3.686	(1.003)	6408	1.00000	1.0315(Q)
3 2-Methylnaphthalene			142	4.110	4.110	(1.118)	4547	1.00000	1.1760(Q)
4 1-Methylnaphthalene			142	4.174	4.174	(1.136)	3598	1.00000	0.9067
5 Acenaphthylene			152	4.674	4.674	(0.981)	5176	1.00000	0.7968
7 Acenaphthene			154	4.780	4.780	(1.004)	3387	1.00000	0.7341
9 Fluorene			166	5.104	5.104	(1.072)	3703	1.00000	0.7433(Q)
11 Phenanthrene			178	5.721	5.721	(1.003)	7274	1.00000	0.8190(H)
12 Anthracene			178	5.757	5.757	(1.009)	8249	1.00000	1.0338
13 Carbazole			167	5.862	5.862	(1.028)	6222	1.00000	0.8372
15 Fluoranthene			202	6.556	6.556	(1.150)	9565	1.00000	1.0728
16 Pyrene			202	6.721	6.721	(0.880)	8697	1.00000	0.8763
17 Benzo(a)anthracene			228	7.633	7.633	(0.999)	12549	1.00000	1.1507
19 Chrysene			228	7.656	7.656	(1.002)	8490	1.00000	0.8699
20 Benzo(b)fluoranthene			252	8.468	8.468	(0.962)	9159	1.00000	0.9380(H)
21 Benzo(k)fluoranthene			252	8.486	8.486	(0.964)	10000	1.00000	0.9050(H)
22 Benzo(a)pyrene			252	8.750	8.750	(0.994)	8912	1.00000	0.8829(H)
24 Indeno(1,2,3-cd)pyrene			276	9.921	9.921	(1.127)	8288	1.00000	0.8394(MH)
25 Dibenzo(a,h)anthracene			278	9.939	9.939	(1.129)	8648	1.00000	0.8825(MH)
26 Benzo(g,h,i)perylene			276	10.262	10.262	(1.166)	10403	1.00000	1.0996

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD11005.D

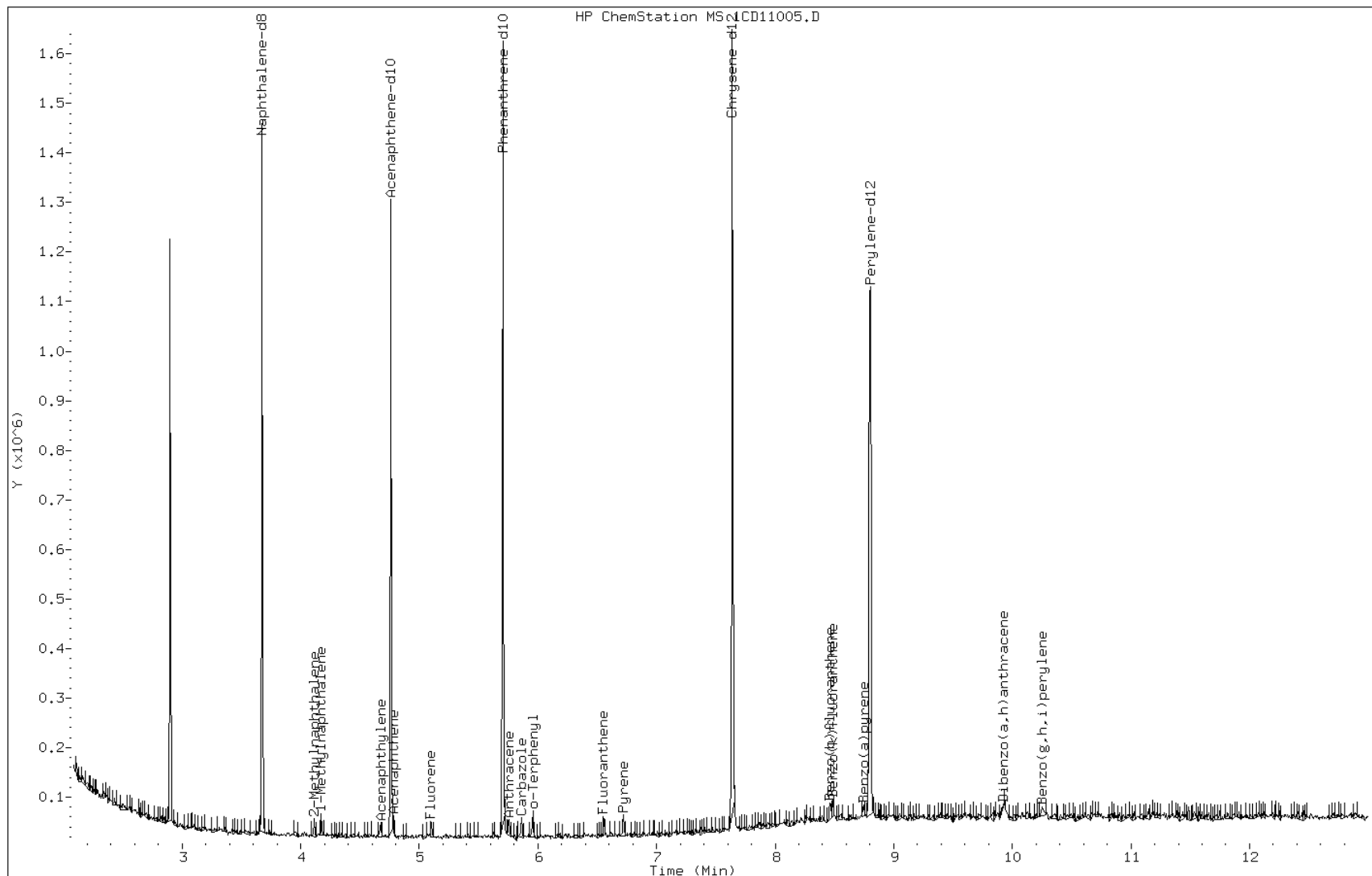
Date: 11-APR-2013 12:53

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531398

Operator: SCC

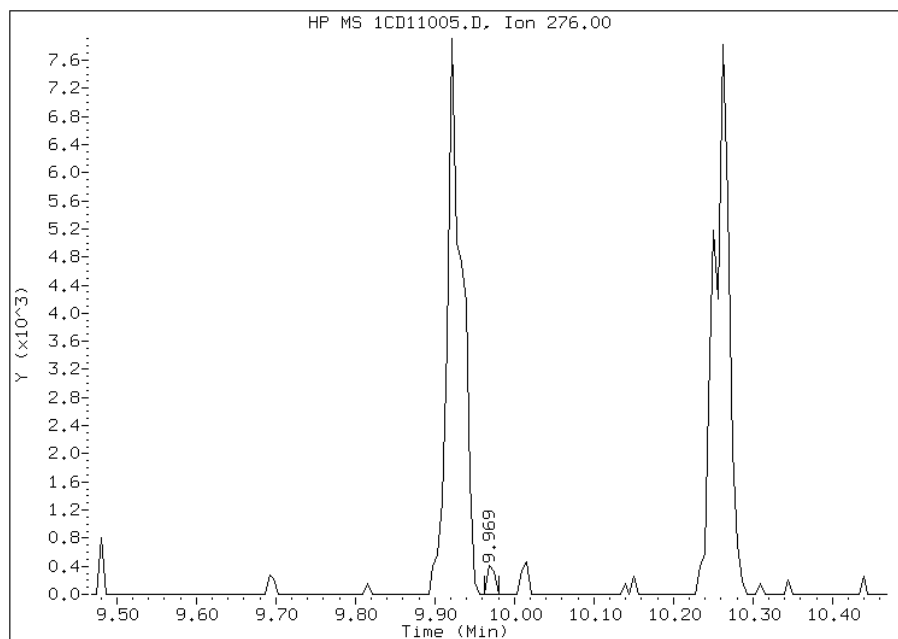


Manual Integration Report

Data File: 1CD11005.D
Inj. Date and Time: 11-APR-2013 12:53
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

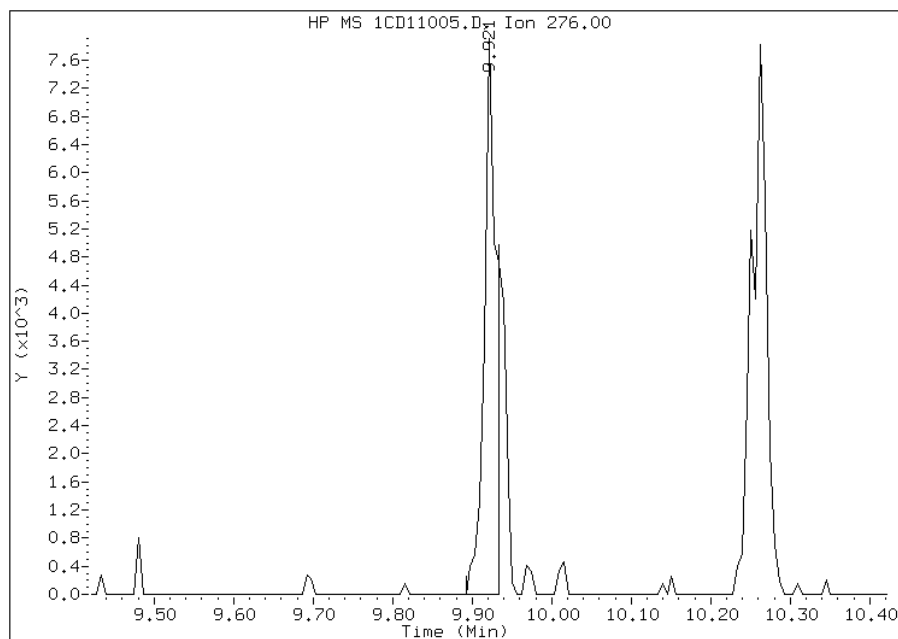
Processing Integration Results

RT: 9.97
Response: 260
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.92
Response: 8288
Amount: 1
Conc: 1



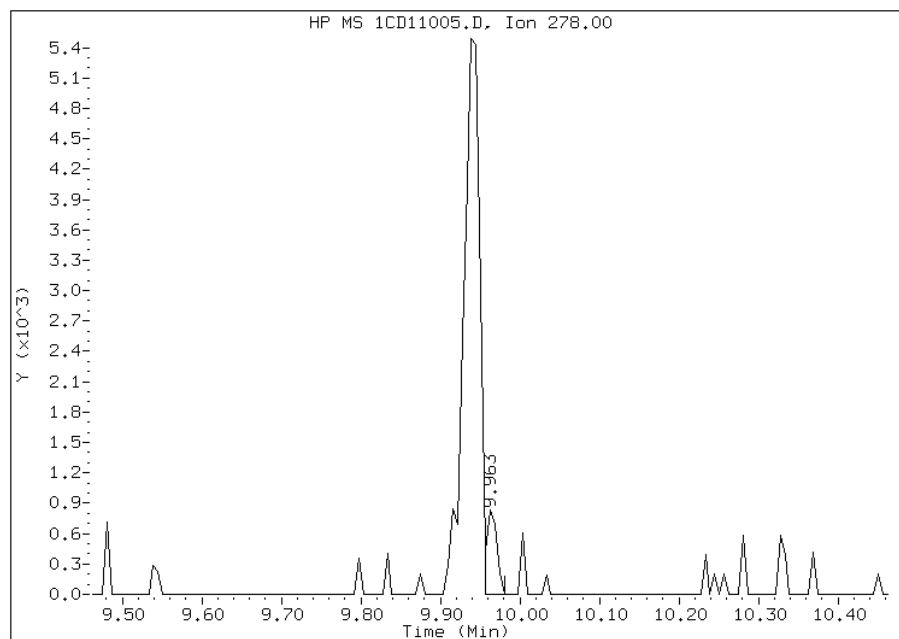
Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:34
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD11005.D
Inj. Date and Time: 11-APR-2013 12:53
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/11/2013

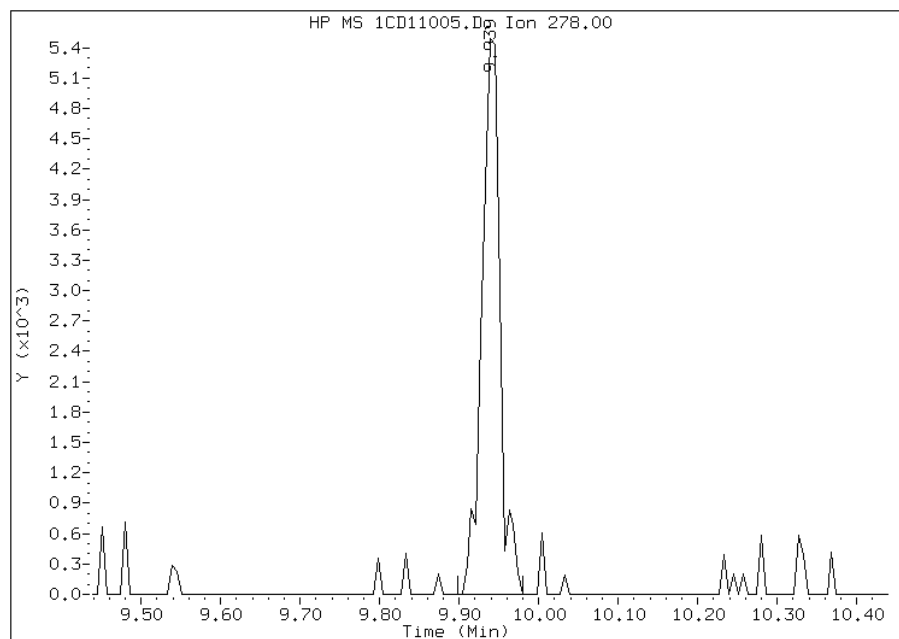
Processing Integration Results

RT: 9.96
Response: 764
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.94
Response: 8648
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:33
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11006.D
 Lab Smp Id: IC-1531399
 Inj Date : 11-APR-2013 13:11
 Operator : SCC
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\a-bFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:38 BSMC5973.i Quant Type: ISTD
 Cal Date : 11-APR-2013 12:53 Cal File: 1CD11005.D
 Als bottle: 6 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
* 1 Naphthalene-d8	136	3.675	3.675	(1.000)	236973	40.0000	
* 6 Acenaphthene-d10	164	4.763	4.763	(1.000)	165788	40.0000	
* 10 Phenanthrene-d10	188	5.704	5.704	(1.000)	315427	40.0000	
\$ 14 o-Terphenyl	230	5.957	5.957	(1.044)	25692	5.00000	5.6083
* 18 Chrysene-d12	240	7.639	7.639	(1.000)	386829	40.0000	
* 23 Perylene-d12	264	8.798	8.798	(1.000)	407786	40.0000	(H)
2 Naphthalene	128	3.686	3.686	(1.003)	33340	5.00000	5.2046
3 2-Methylnaphthalene	142	4.116	4.116	(1.120)	18585	5.00000	4.6612
4 1-Methylnaphthalene	142	4.175	4.175	(1.136)	21228	5.00000	5.1880
5 Acenaphthylene	152	4.674	4.674	(0.981)	39114	5.00000	5.5677
7 Acenaphthene	154	4.780	4.780	(1.004)	21682	5.00000	4.9222
9 Fluorene	166	5.098	5.098	(1.070)	27348	5.00000	5.0761(Q)
11 Phenanthrene	178	5.721	5.721	(1.003)	47149	5.00000	4.6257(H)
12 Anthracene	178	5.757	5.757	(1.009)	45907	5.00000	5.0132
13 Carbazole	167	5.863	5.863	(1.028)	44777	5.00000	5.2502
15 Fluoranthene	202	6.551	6.551	(1.148)	50052	5.00000	4.8914
16 Pyrene	202	6.721	6.721	(0.880)	55349	5.00000	5.0294
17 Benzo(a)anthracene	228	7.633	7.633	(0.999)	55643	5.00000	4.9797
19 Chrysene	228	7.657	7.657	(1.002)	57430	5.00000	5.3071
20 Benzo(b)fluoranthene	252	8.462	8.462	(0.962)	56470	5.00000	5.4827(H)
21 Benzo(k)fluoranthene	252	8.486	8.486	(0.965)	58242	5.00000	4.9973(H)
22 Benzo(a)pyrene	252	8.745	8.745	(0.994)	53152	5.00000	4.9924(H)
24 Indeno(1,2,3-cd)pyrene	276	9.921	9.921	(1.128)	50225	5.00000	4.8225(MH)
25 Dibenzo(a,h)anthracene	278	9.927	9.927	(1.128)	46577	5.00000	4.5061(H)
26 Benzo(g,h,i)perylene	276	10.251	10.251	(1.165)	50451	5.00000	5.0556(H)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD11006.D

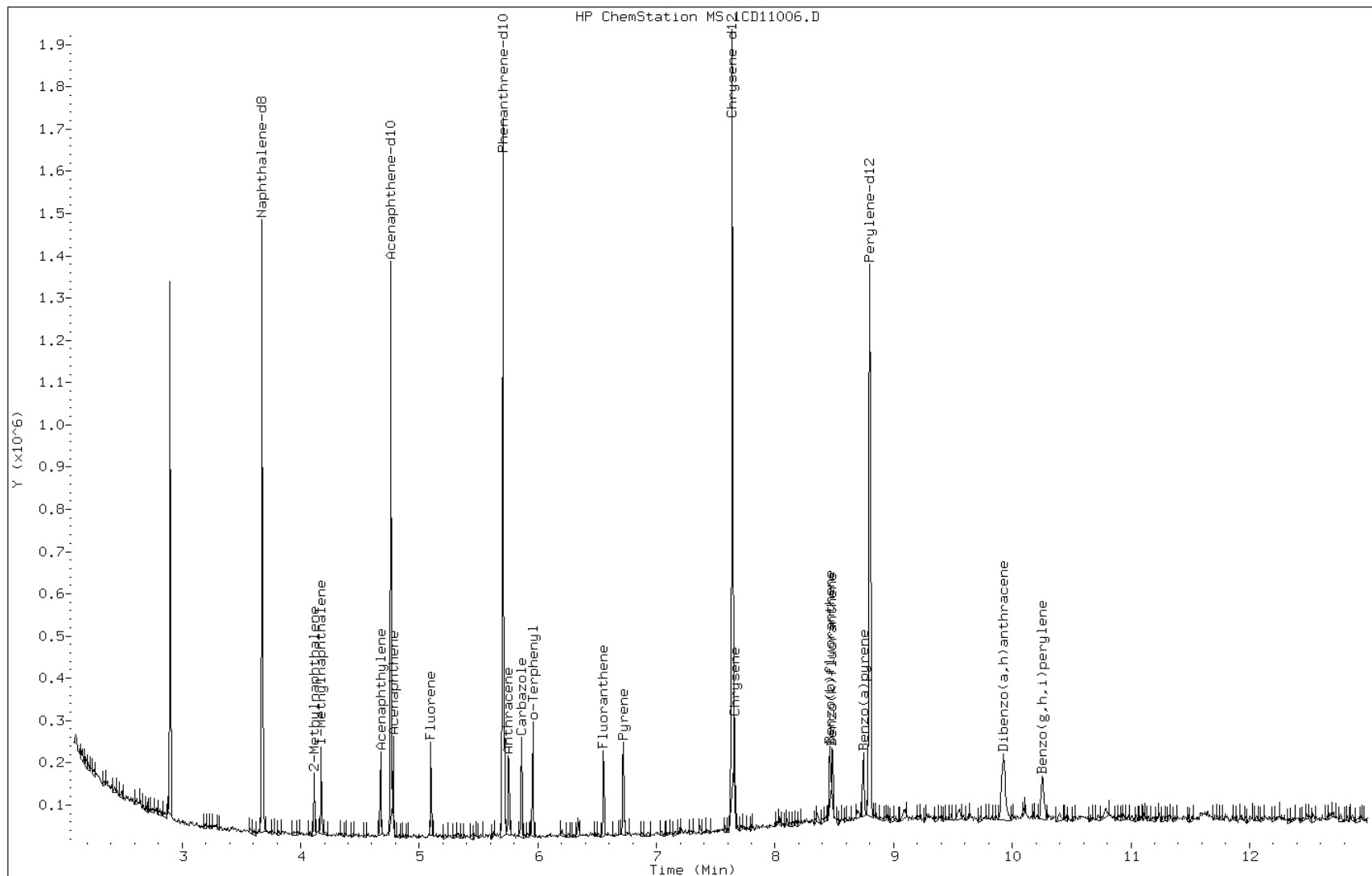
Date: 11-APR-2013 13:11

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531399

Operator: SCC

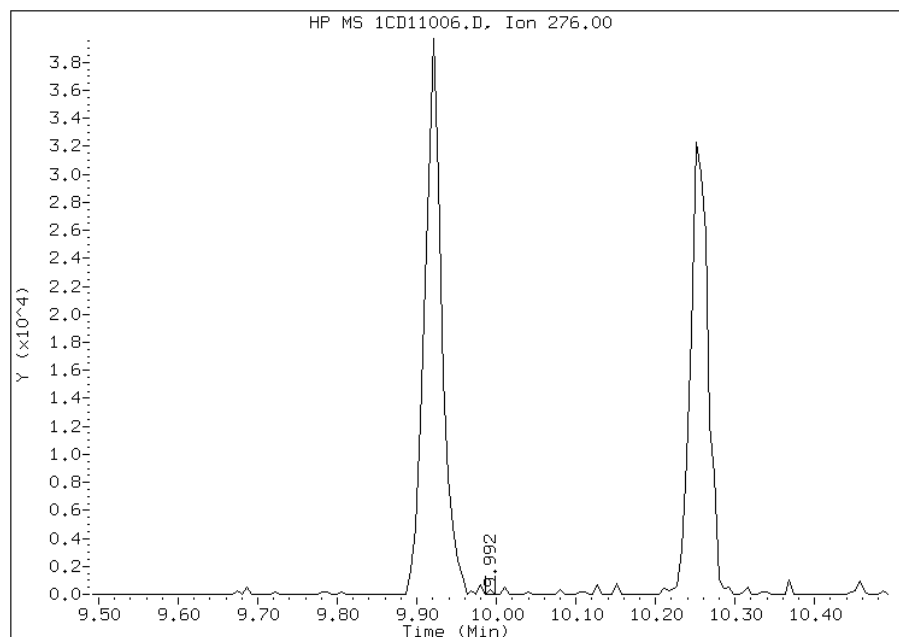


Manual Integration Report

Data File: 1CD11006.D
Inj. Date and Time: 11-APR-2013 13:11
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

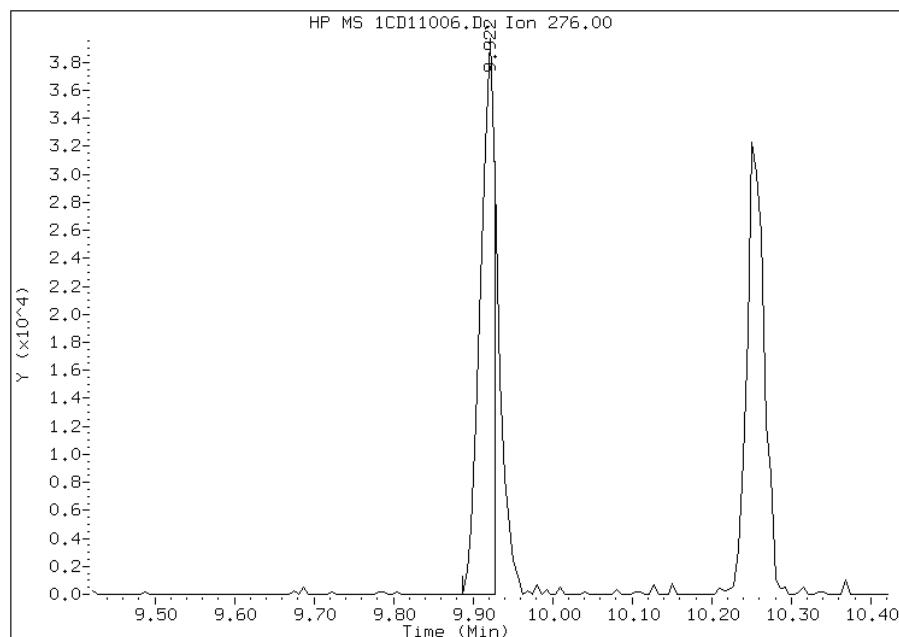
Processing Integration Results

RT: 9.99
Response: 108
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.92
Response: 50225
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:35
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11007.D
 Lab Smp Id: IC-1531400
 Inj Date : 11-APR-2013 13:30
 Operator : SCC
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\a-bFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:38 BSMC5973.i Quant Type: ISTD
 Cal Date : 11-APR-2013 13:11 Cal File: 1CD11006.D
 Als bottle: 7 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.674	3.674	(1.000)	246668	40.0000	
* 6 Acenaphthene-d10	164	4.763	4.763	(1.000)	161880	40.0000	
* 10 Phenanthrene-d10	188	5.704	5.704	(1.000)	295862	40.0000	
\$ 14 o-Terphenyl	230	5.957	5.957	(1.044)	44711	10.0000	9.8155
* 18 Chrysene-d12	240	7.639	7.639	(1.000)	371008	40.0000	
* 23 Perylene-d12	264	8.798	8.798	(1.000)	373300	40.0000	(H)
2 Naphthalene	128	3.686	3.686	(1.003)	66803	10.0000	10.0187
3 2-Methylnaphthalene	142	4.116	4.116	(1.120)	42945	10.0000	10.3474
4 1-Methylnaphthalene	142	4.174	4.174	(1.136)	38170	10.0000	8.9618
5 Acenaphthylene	152	4.674	4.674	(0.981)	69442	10.0000	10.1235
7 Acenaphthene	154	4.780	4.780	(1.004)	45560	10.0000	10.7277
9 Fluorene	166	5.098	5.098	(1.070)	56195	10.0000	10.6823
11 Phenanthrene	178	5.721	5.721	(1.003)	85752	10.0000	8.9693(H)
12 Anthracene	178	5.757	5.757	(1.009)	86681	10.0000	10.0918
13 Carbazole	167	5.863	5.863	(1.028)	78836	10.0000	9.8550
15 Fluoranthene	202	6.551	6.551	(1.148)	98679	10.0000	10.2813
16 Pyrene	202	6.721	6.721	(0.880)	104590	10.0000	9.9092
17 Benzo(a)anthracene	228	7.633	7.633	(0.999)	101817	10.0000	9.6151
19 Chrysene	228	7.657	7.657	(1.002)	99776	10.0000	9.6136
20 Benzo(b)fluoranthene	252	8.462	8.462	(0.962)	93677	10.0000	9.9354(H)
21 Benzo(k)fluoranthene	252	8.486	8.486	(0.965)	107089	10.0000	10.0374(H)
22 Benzo(a)pyrene	252	8.745	8.745	(0.994)	98767	10.0000	10.1338(H)
24 Indeno(1,2,3-cd)pyrene	276	9.927	9.927	(1.128)	83577	10.0000	8.7663(MH)
25 Dibenzo(a,h)anthracene	278	9.939	9.939	(1.130)	87325	10.0000	9.2288(H)
26 Benzo(g,h,i)perylene	276	10.256	10.256	(1.166)	96936	10.0000	10.6113(H)

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: 1CD11007.D

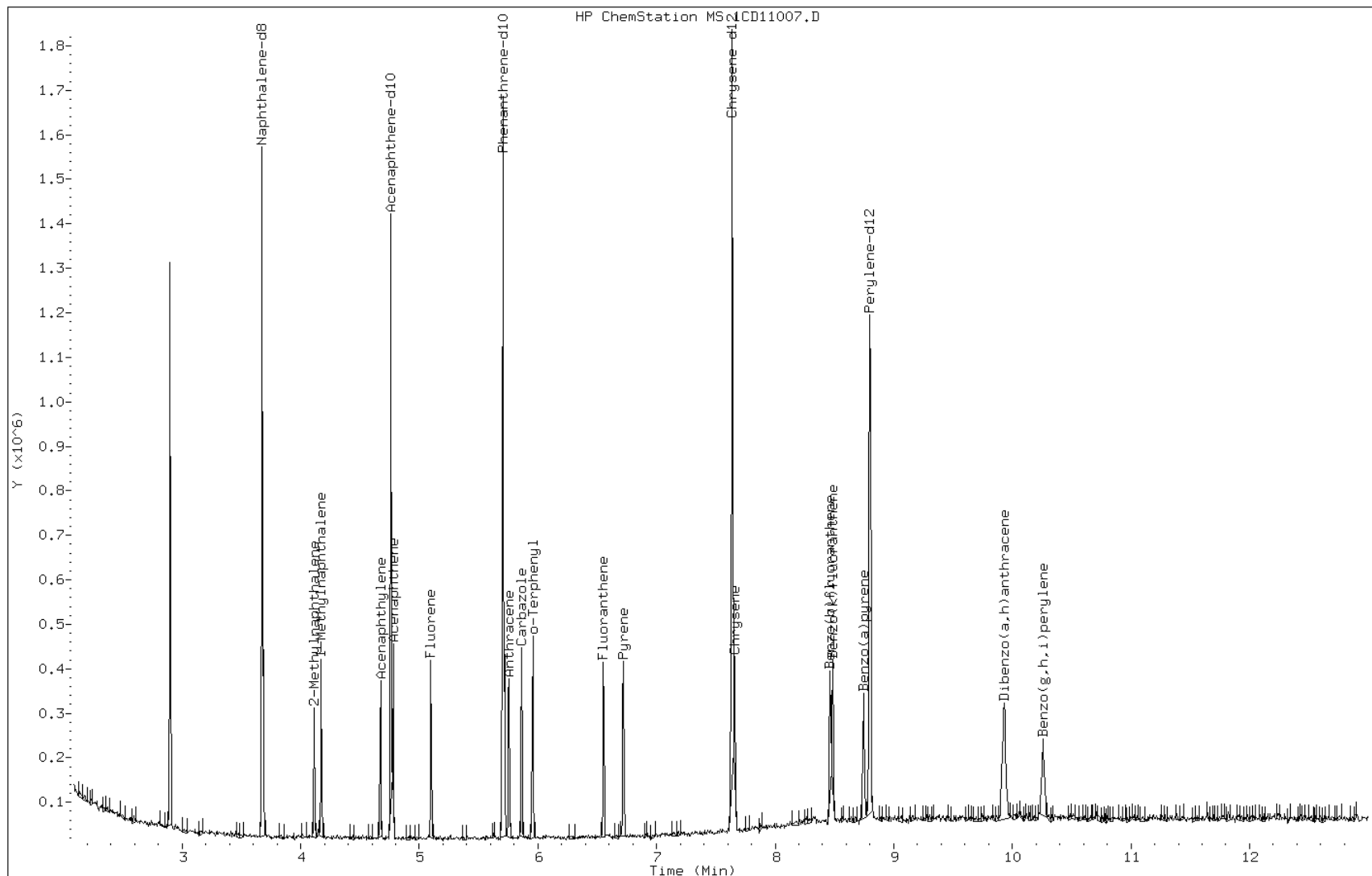
Date: 11-APR-2013 13:30

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531400

Operator: SCC

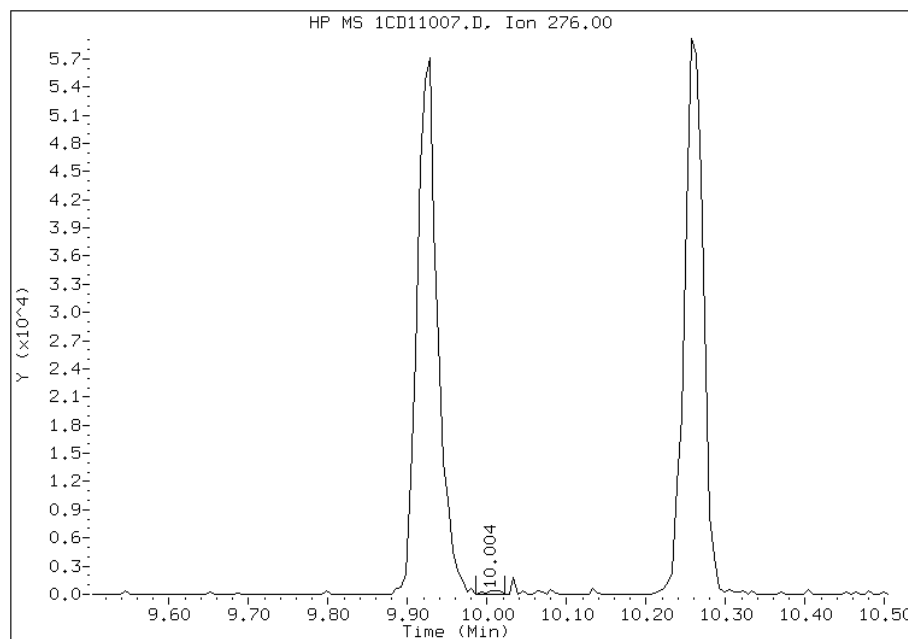


Manual Integration Report

Data File: 1CD11007.D
Inj. Date and Time: 11-APR-2013 13:30
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

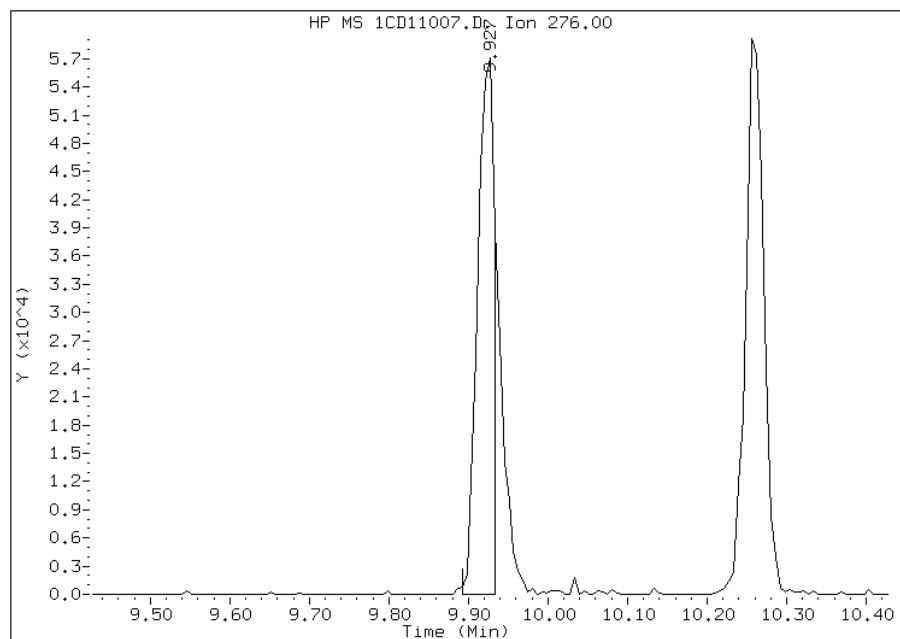
Processing Integration Results

RT: 10.00
Response: 600
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.93
Response: 83577
Amount: 9
Conc: 9



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:36
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11008.D
 Lab Smp Id: IC-1531402
 Inj Date : 11-APR-2013 13:48
 Operator : SCC
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\a-bFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:38 BSMC5973.i Quant Type: ISTD
 Cal Date : 11-APR-2013 13:30 Cal File: 1CD11007.D
 Als bottle: 8 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.674	3.674	(1.000)	219235	40.0000	
* 6 Acenaphthene-d10	164	4.762	4.762	(1.000)	151711	40.0000	
* 10 Phenanthrene-d10	188	5.704	5.704	(1.000)	292639	40.0000	
\$ 14 o-Terphenyl	230	5.956	5.956	(1.044)	130217	30.0000	27.5608
* 18 Chrysene-d12	240	7.639	7.639	(1.000)	355096	40.0000	
* 23 Perylene-d12	264	8.797	8.797	(1.000)	372168	40.0000	(H)
2 Naphthalene	128	3.686	3.686	(1.003)	178326	30.0000	30.0907
3 2-Methylnaphthalene	142	4.115	4.115	(1.120)	117387	30.0000	31.8232
4 1-Methylnaphthalene	142	4.174	4.174	(1.136)	109784	30.0000	29.0014
5 Acenaphthylene	152	4.674	4.674	(0.981)	212811	30.0000	33.1039
7 Acenaphthene	154	4.780	4.780	(1.004)	121274	30.0000	30.6855
9 Fluorene	166	5.098	5.098	(1.070)	157410	30.0000	31.9283
11 Phenanthrene	178	5.721	5.721	(1.003)	259782	30.0000	27.4715(H)
12 Anthracene	178	5.756	5.756	(1.009)	245548	30.0000	28.9028
13 Carbazole	167	5.862	5.862	(1.028)	233698	30.0000	29.5356
15 Fluoranthene	202	6.556	6.556	(1.150)	279401	30.0000	29.4314
16 Pyrene	202	6.721	6.721	(0.880)	307735	30.0000	30.4624
17 Benzo(a)anthracene	228	7.633	7.633	(0.999)	305726	30.0000	30.4344
19 Chrysene	228	7.662	7.662	(1.003)	310162	30.0000	31.2239
20 Benzo(b)fluoranthene	252	8.462	8.462	(0.962)	299492	30.0000	31.8608(H)
21 Benzo(k)fluoranthene	252	8.486	8.486	(0.965)	333825	30.0000	31.3844(H)
22 Benzo(a)pyrene	252	8.745	8.745	(0.994)	299708	30.0000	30.8447(H)
24 Indeno(1,2,3-cd)pyrene	276	9.927	9.927	(1.128)	260884	30.0000	27.4473(MH)
25 Dibenzo(a,h)anthracene	278	9.939	9.939	(1.130)	274497	30.0000	29.0980(H)
26 Benzo(g,h,i)perylene	276	10.262	10.262	(1.166)	275805	30.0000	30.2834(H)

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: 1CD11008.D

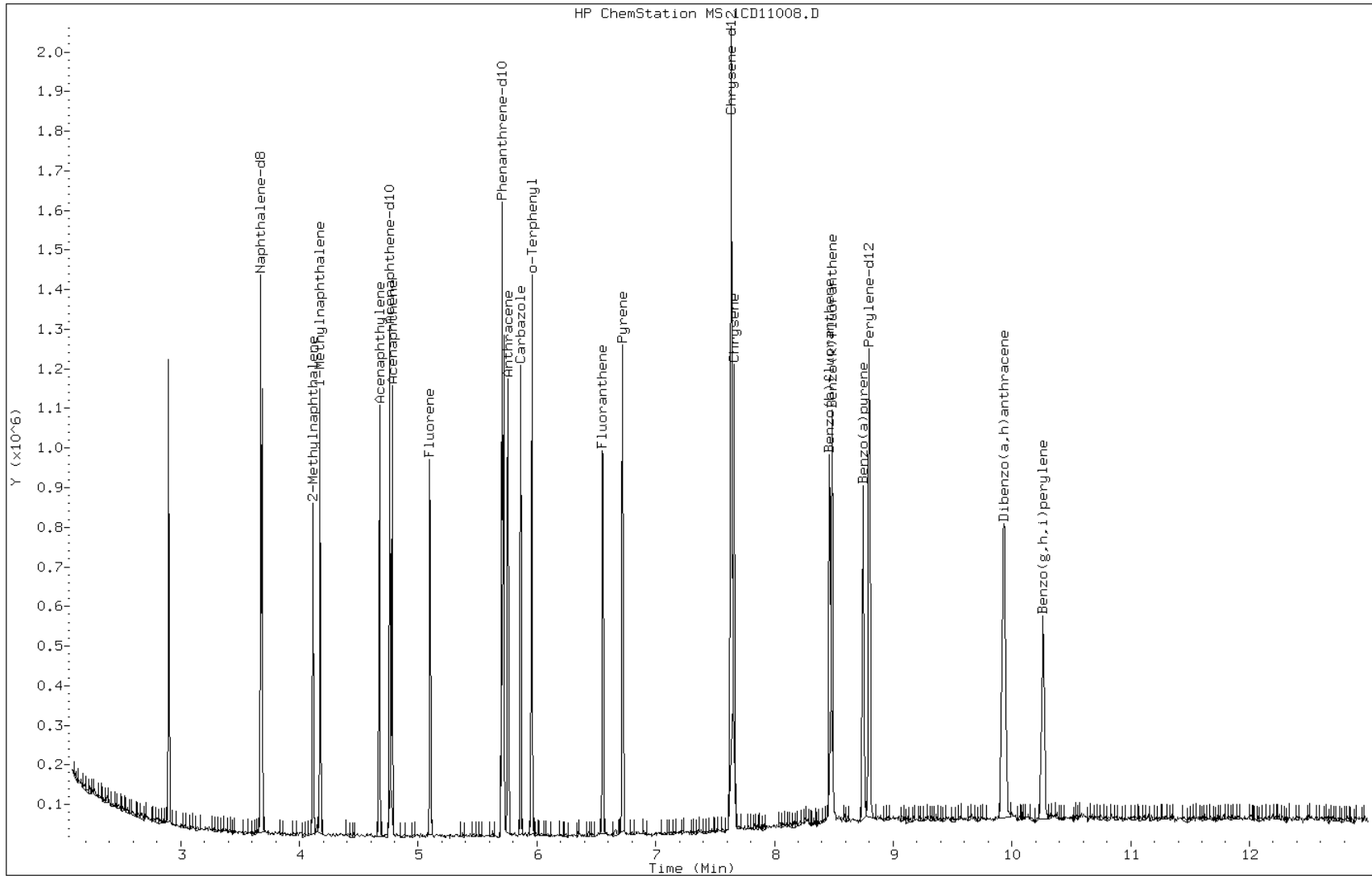
Date: 11-APR-2013 13:48

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531402

Operator: SCC

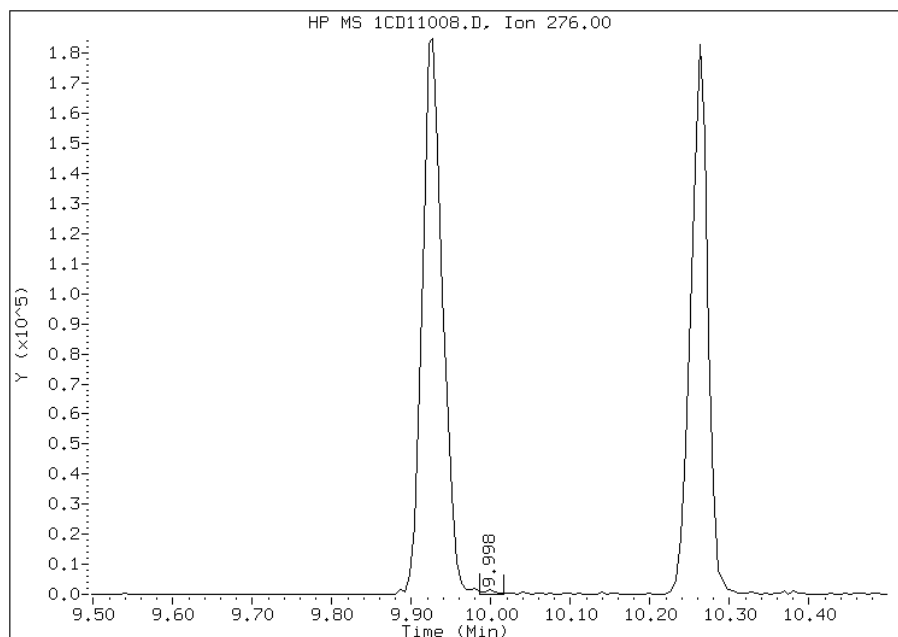


Manual Integration Report

Data File: 1CD11008.D
Inj. Date and Time: 11-APR-2013 13:48
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

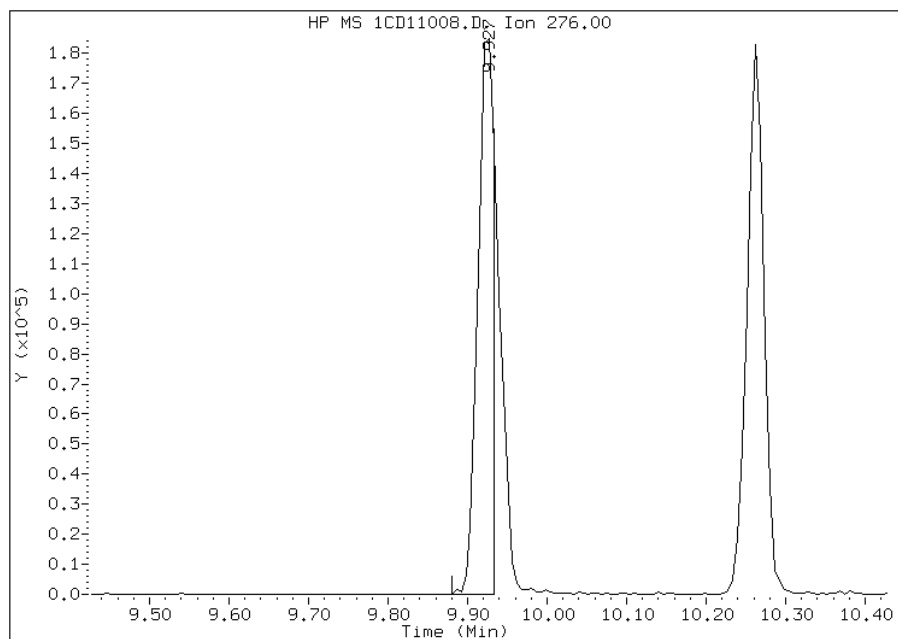
Processing Integration Results

RT: 10.00
Response: 1705
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.93
Response: 260884
Amount: 27
Conc: 27



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:36
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11009.D
 Lab Smp Id: IC-1531403
 Inj Date : 11-APR-2013 14:06
 Operator : SCC
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\a-bFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:38 BSMC5973.i Quant Type: ISTD
 Cal Date : 11-APR-2013 13:48 Cal File: 1CD11008.D
 Als bottle: 9 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.674	3.674	(1.000)	245399	40.0000		
* 6 Acenaphthene-d10	164	4.763	4.763	(1.000)	178913	40.0000		
* 10 Phenanthrene-d10	188	5.704	5.704	(1.000)	327530	40.0000		
\$ 14 o-Terphenyl	230	5.957	5.957	(1.044)	276100	50.0000	51.5953(A)	
* 18 Chrysene-d12	240	7.639	7.639	(1.000)	437594	40.0000		
* 23 Perylene-d12	264	8.798	8.798	(1.000)	425092	40.0000	(H)	
2 Naphthalene	128	3.686	3.686	(1.003)	318955	50.0000	48.0823	
3 2-Methylnaphthalene	142	4.116	4.116	(1.120)	221322	50.0000	53.6026(A)	
4 1-Methylnaphthalene	142	4.174	4.174	(1.136)	201768	50.0000	47.6178	
5 Acenaphthylene	152	4.674	4.674	(0.981)	370532	50.0000	48.8750	
7 Acenaphthene	154	4.780	4.780	(1.004)	231163	50.0000	49.6697	
9 Fluorene	166	5.104	5.104	(1.072)	287857	50.0000	49.5103	
11 Phenanthrene	178	5.721	5.721	(1.003)	472306	50.0000	44.6250(H)	
12 Anthracene	178	5.757	5.757	(1.009)	498469	50.0000	52.4232(A)	
13 Carbazole	167	5.863	5.863	(1.028)	443362	50.0000	50.0646(A)	
15 Fluoranthene	202	6.557	6.557	(1.150)	556889	50.0000	52.4123(A)	
16 Pyrene	202	6.721	6.721	(0.880)	619923	50.0000	49.7966	
17 Benzo(a)anthracene	228	7.633	7.633	(0.999)	615507	50.0000	49.8010	
19 Chrysene	228	7.662	7.662	(1.003)	632502	50.0000	51.6696(A)	
20 Benzo(b)fluoranthene	252	8.468	8.468	(0.963)	576085	50.0000	53.6554(AH)	
21 Benzo(k)fluoranthene	252	8.486	8.486	(0.965)	711099	50.0000	58.5305(AH)	
22 Benzo(a)pyrene	252	8.751	8.751	(0.995)	612644	50.0000	55.2010(AH)	
24 Indeno(1,2,3-cd)pyrene	276	9.933	9.933	(1.129)	557635	50.0000	51.3640(AMH)	
25 Dibenzo(a,h)anthracene	278	9.945	9.945	(1.130)	545458	50.0000	50.6224(AH)	
26 Benzo(g,h,i)perylene	276	10.268	10.268	(1.167)	540151	50.0000	51.9247(AH)	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD11009.D

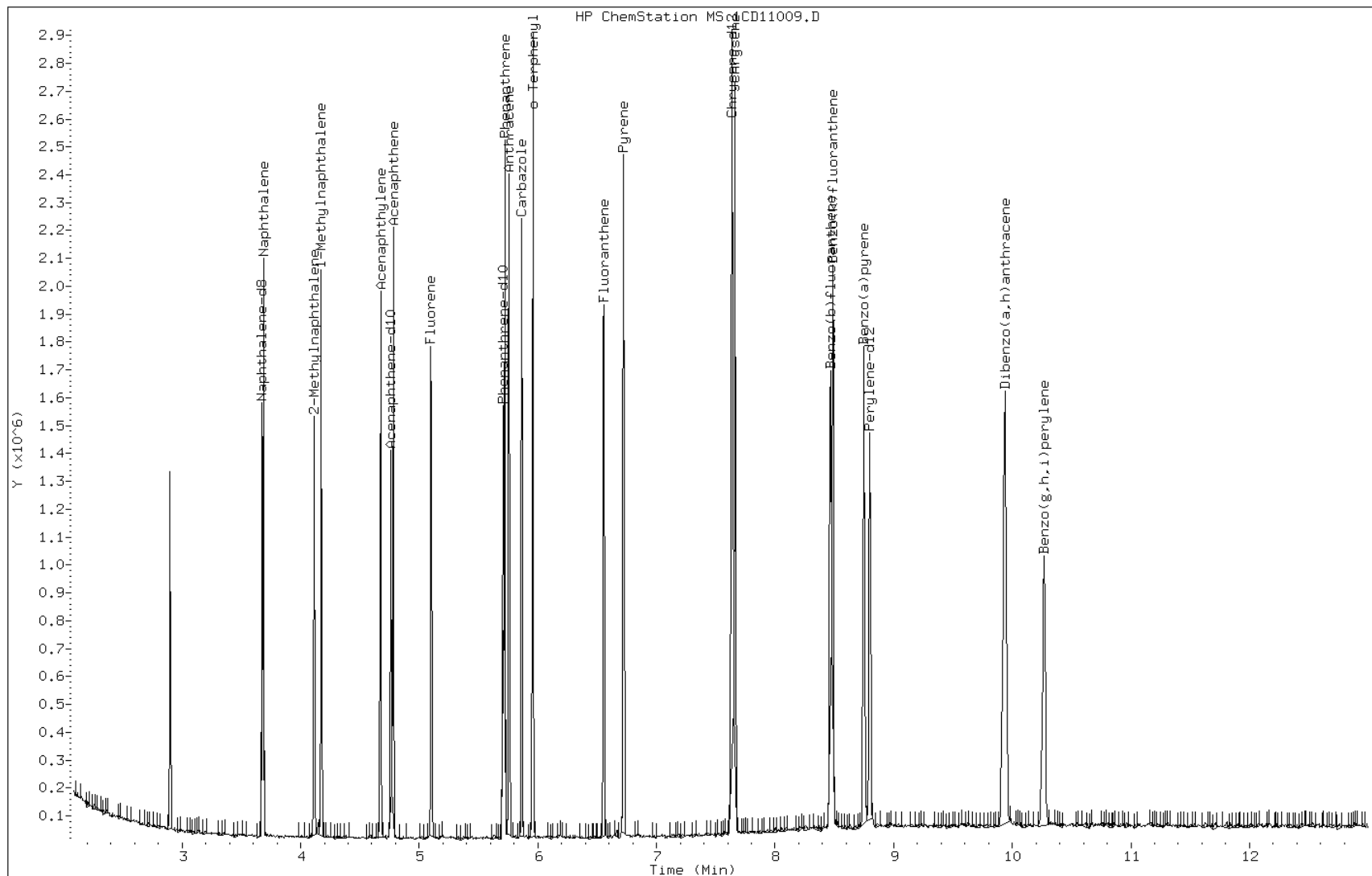
Date: 11-APR-2013 14:06

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531403

Operator: SCC

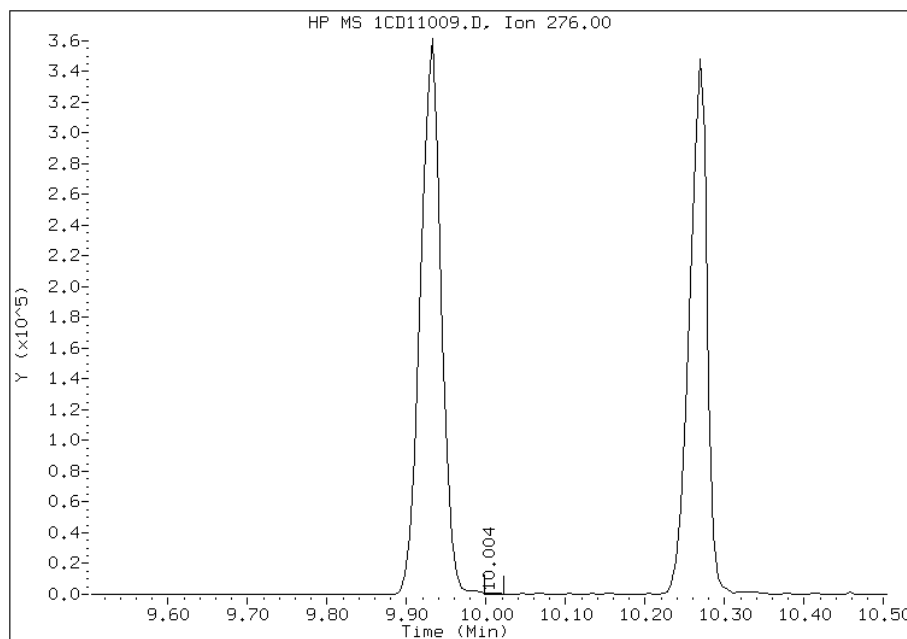


Manual Integration Report

Data File: 1CD11009.D
Inj. Date and Time: 11-APR-2013 14:06
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

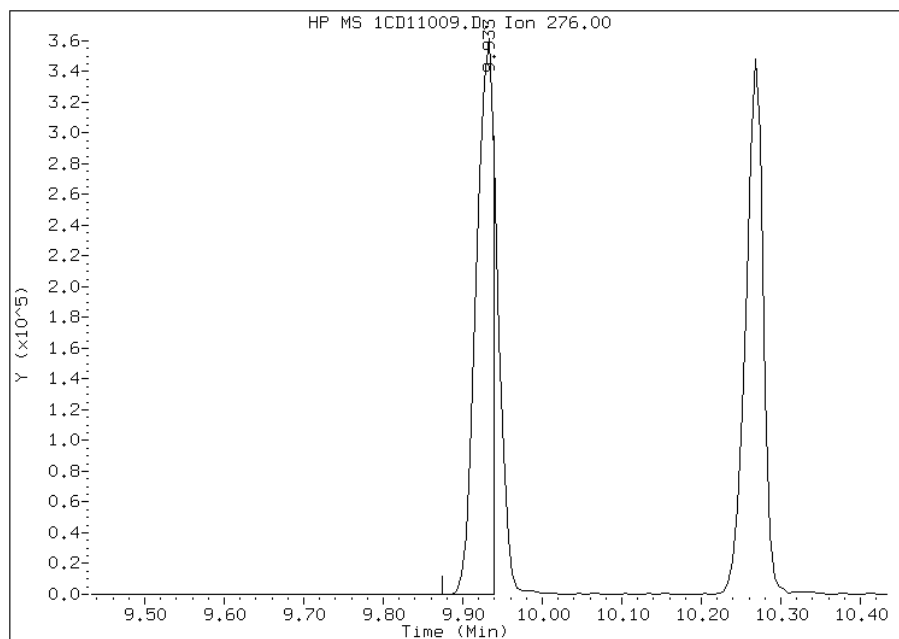
Processing Integration Results

RT: 10.00
Response: 955
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.93
Response: 557635
Amount: 51
Conc: 51



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:37
Manual Integration Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136164

SDG No.: _____

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136164/15	1DD04007.D
Level 2	IC 660-136164/16	1DD04008.D
Level 3	IC 660-136164/17	1DD04009.D
Level 4	IC 660-136164/18	1DD04010.D
Level 5	ICIS 660-136164/19	1DD04011.D
Level 6	IC 660-136164/20	1DD04012.D
Level 7	IC 660-136164/21	1DD04013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Naphthalene	0.9331 1.0230	0.9606 1.0509	1.0286	0.9649	0.9984	Ave	0.9942			0.0000	4.3		15.0				
2-Methylnaphthalene	0.5806 0.6693	0.6114 0.6984	0.6517	0.6297	0.6515	Ave	0.6418			0.0000	6.0		15.0				
1-Methylnaphthalene	0.5558 0.6314	0.5782 0.6544	0.6189	0.5919	0.6119	Ave	0.6061			0.0000	5.5		15.0				
Acenaphthylene	1.4312 1.8297	1.5518 1.8878	1.7317	1.6795	1.7392	Ave	1.6930			0.0000	9.3		15.0				
Acenaphthene	1.0016 1.0873	0.9902 1.1219	1.0649	1.0164	1.0329	Ave	1.0450			0.0000	4.6		15.0				
Fluorene	1.1332 1.3072	1.1795 1.3301	1.2333	1.2265	1.2526	Ave	1.2375			0.0000	5.5		15.0				
Phenanthrene	1.0628 1.1227	1.0409 1.1914	1.1226	1.0753	1.0969	Ave	1.1018			0.0000	4.5		15.0				
Anthracene	0.9667 1.1508	1.0104 1.2102	1.1116	1.0846	1.1206	Ave	1.0936			0.0000	7.6		15.0				
Carbazole	0.8539 0.9974	0.9170 1.0575	0.9788	0.9568	0.9906	Ave	0.9646			0.0000	6.7		15.0				
Fluoranthene	1.0349 1.1765	1.0636 1.2407	1.1552	1.1188	1.1468	Ave	1.1338			0.0000	6.1		15.0				
Pyrene	1.1042 1.2400	1.1445 1.2796	1.2302	1.1952	1.2147	Ave	1.2012			0.0000	5.0		15.0				
Benzo[a]anthracene	1.5223 1.0884	1.1349 1.0935	1.1146	1.0605	1.0812	Ave	1.1565			0.0000	14.1		15.0				
Chrysene	1.1462 1.0803	1.0503 1.1335	1.0831	1.0383	1.0590	Ave	1.0844			0.0000	3.8		15.0				
Benzo[b]fluoranthene	0.9638 1.0305	0.9264 1.0697	1.0233	0.9705	1.0102	Ave	0.9992			0.0000	4.8		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136164

SDG No.: _____

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Benzo[k]fluoranthene	0.9941 1.0870	1.0278 1.1123	1.0413	1.0574	1.0488	Ave		1.0527			0.0000	3.7		15.0			
Benzo[a]pyrene	0.9363 1.0554	0.9330 1.0817	1.0086	0.9978	1.0150	Ave		1.0040			0.0000	5.5		15.0			
Indeno[1,2,3-cd]pyrene	0.9719 1.1444	1.0047 1.2203	1.0673	1.0253	1.0598	Ave		1.0705			0.0000	8.0		15.0			
Dibenz(a,h)anthracene	1.0008 1.0474	0.9200 1.0891	1.0022	0.9846	1.0127	Ave		1.0081			0.0000	5.2		15.0			
Benzo[g,h,i]perylene	0.9959 1.0588	1.0032 1.0675	1.0494	1.0184	1.0221	Ave		1.0308			0.0000	2.7		15.0			
o-Terphenyl	0.5239 0.6240	0.5611 0.6847	0.6139	0.5898	0.6214	Ave		0.6027			0.0000	8.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136164

SDG No.: _____

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136164/15	1DD04007.D
Level 2	IC 660-136164/16	1DD04008.D
Level 3	IC 660-136164/17	1DD04009.D
Level 4	IC 660-136164/18	1DD04010.D
Level 5	ICIS 660-136164/19	1DD04011.D
Level 6	IC 660-136164/20	1DD04012.D
Level 7	IC 660-136164/21	1DD04013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	11503 1777021	59216 3211548	316194	614716	1235557	0.200 30.0	1.00 50.0	5.00	10.0	20.0
2-Methylnaphthalene	NPT	Ave	7158 1162560	37688 2134320	200332	401151	806286	0.200 30.0	1.00 50.0	5.00	10.0	20.0
1-Methylnaphthalene	NPT	Ave	6852 1096847	35645 1999874	190230	377068	757317	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthylene	ANT	Ave	10298 1852399	56340 3396591	314191	620756	1275622	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthene	ANT	Ave	7207 1100779	35951 2018481	193205	375673	757590	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluorene	ANT	Ave	8154 1323451	42826 2393163	223769	453336	918747	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Phenanthrene	PHN	Ave	12866 1932978	63070 3534794	338739	657435	1331875	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Anthracene	PHN	Ave	11703 1981347	61222 3590722	335430	663091	1360668	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Carbazole	PHN	Ave	10338 1717245	55563 3137679	295345	584967	1202897	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluoranthene	PHN	Ave	12529 2025512	64445 3681257	348578	684049	1392506	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Pyrene	CRY	Ave	13274 2181708	69252 3965627	374480	738839	1496990	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[a]anthracene	CRY	Ave	18301 1914899	68675 3388838	339292	655565	1332372	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Chrysene	CRY	Ave	13779 1900592	63553 3512644	329706	641842	1305118	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	12005 1811151	57946 3290902	323060	612455	1270704	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	12382 1910468	64288 3421834	328752	667284	1319239	0.200 30.0	1.00 50.0	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89038-2 Analy Batch No.: 136164

SDG No.: _____

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Benzo[a]pyrene	PRY	Ave	11662 1854979	58354 3327888	318431	629684	1276688	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	12106 2011375	62840 3754268	336963	647015	1333044	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Dibenz(a,h)anthracene	PRY	Ave	12466 1840819	57541 3350541	316396	621340	1273836	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	12405 1860821	62750 3284166	331324	642692	1285637	0.200 30.0	1.00 50.0	5.00	10.0	20.0
o-Terphenyl	PHN	Ave	6343 1074388	33997 2031596	185249	360585	754512	0.200 30.0	1.00 50.0	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04007.D
 Lab Smp Id: IC-1531396
 Inj Date : 04-APR-2013 13:49
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 5 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136			6.091	6.091	(1.000)	2465524	40.0000	
* 6 Acenaphthene-d10	164			7.766	7.766	(1.000)	1439075	40.0000	
* 9 Phenanthrene-d10	188			9.023	9.023	(1.000)	2421253	40.0000	
\$ 13 o-Terphenyl	230			9.329	9.329	(1.034)	6343	0.20000	0.17
* 17 Chrysene-d12	240			11.338	11.338	(1.000)	2404329	40.0000	
* 22 Perylene-d12	264			13.165	13.165	(1.000)	2491199	40.0000	
2 Naphthalene	128			6.109	6.109	(1.003)	11503	0.20000	0.19
3 2-Methylnaphthalene	142			6.814	6.814	(1.119)	7158	0.20000	0.18
4 1-Methylnaphthalene	142			6.908	6.908	(1.134)	6852	0.20000	0.18
5 Acenaphthylene	152			7.637	7.637	(0.983)	10298	0.20000	0.17
7 Acenaphthene	154			7.789	7.789	(1.003)	7207	0.20000	0.19
8 Fluorene	166			8.236	8.236	(1.061)	8154	0.20000	0.18
10 Phenanthrene	178			9.041	9.041	(1.002)	12866	0.20000	0.19
11 Anthracene	178			9.082	9.082	(1.007)	11703	0.20000	0.18
12 Carbazole	167			9.223	9.223	(1.022)	10338	0.20000	0.18
14 Fluoranthene	202			10.022	10.022	(1.111)	12529	0.20000	0.18
15 Pyrene	202			10.210	10.210	(0.901)	13274	0.20000	0.18
16 Benzo(a)anthracene	228			11.321	11.321	(0.998)	18301	0.20000	0.28
18 Chrysene	228			11.356	11.356	(1.002)	13779	0.20000	0.21
19 Benzo(b)fluoranthene	252			12.613	12.613	(0.958)	12005	0.20000	0.19
20 Benzo(k)fluoranthene	252			12.648	12.648	(0.961)	12382	0.20000	0.19
21 Benzo(a)pyrene	252			13.060	13.060	(0.992)	11662	0.20000	0.19
23 Indeno(1,2,3-cd)pyrene	276			14.734	14.734	(1.119)	12106	0.20000	0.18(M)
24 Dibenzo(a,h)anthracene	278			14.758	14.758	(1.121)	12466	0.20000	0.20(M)
25 Benzo(g,h,i)perylene	276			15.175	15.175	(1.153)	12405	0.20000	0.19

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04007.D

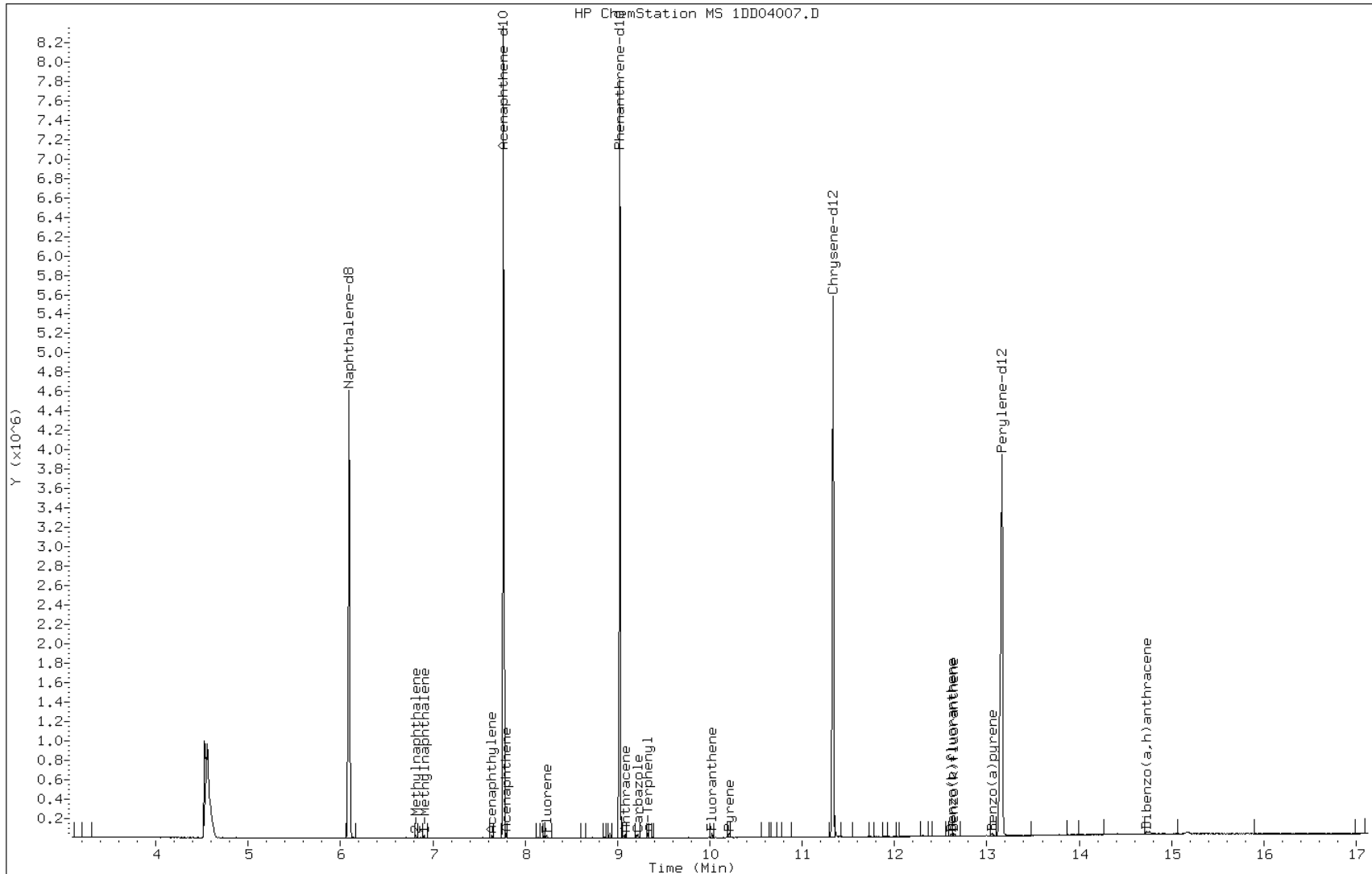
Date: 04-APR-2013 13:49

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531396

Operator: SCC

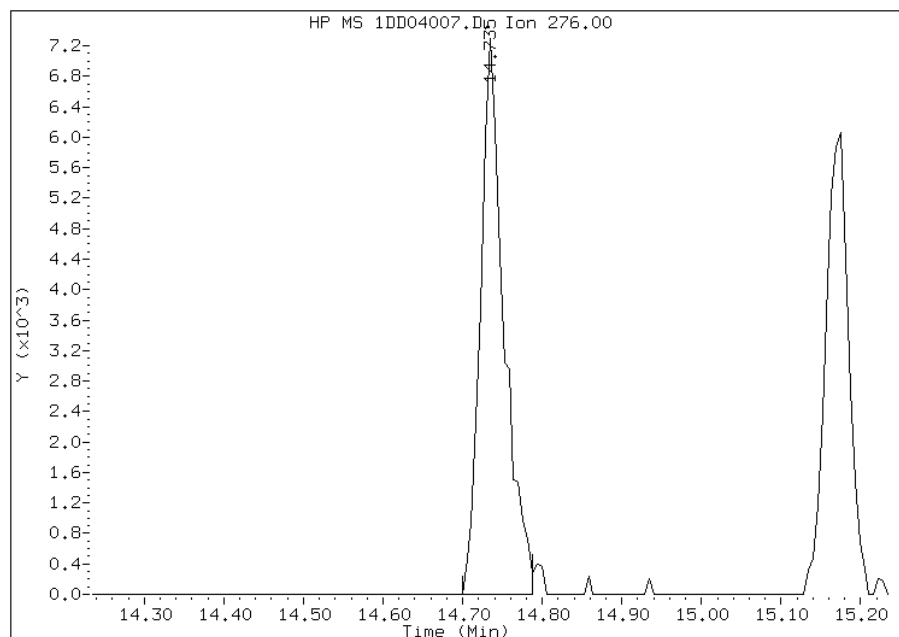


Manual Integration Report

Data File: 1DD04007.D
Inj. Date and Time: 04-APR-2013 13:49
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

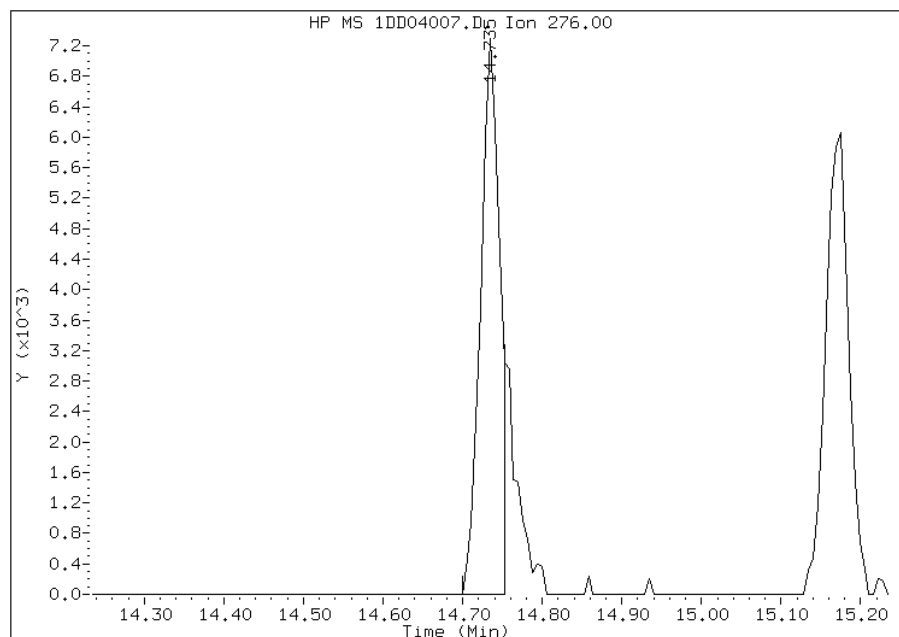
Processing Integration Results

RT: 14.73
Response: 14910
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.73
Response: 12106
Amount: 0
Conc: 0



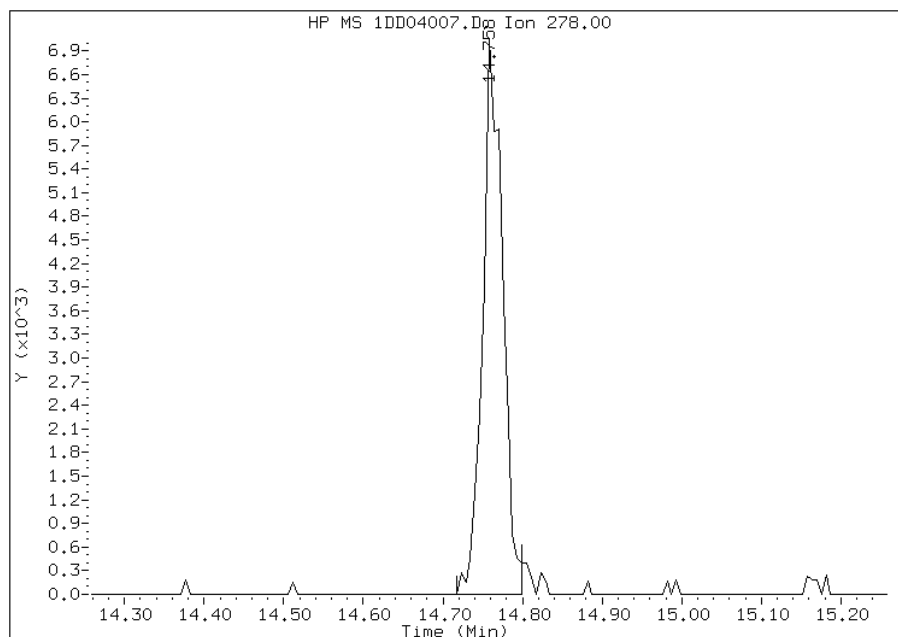
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DD04007.D
Inj. Date and Time: 04-APR-2013 13:49
Instrument ID: BSMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

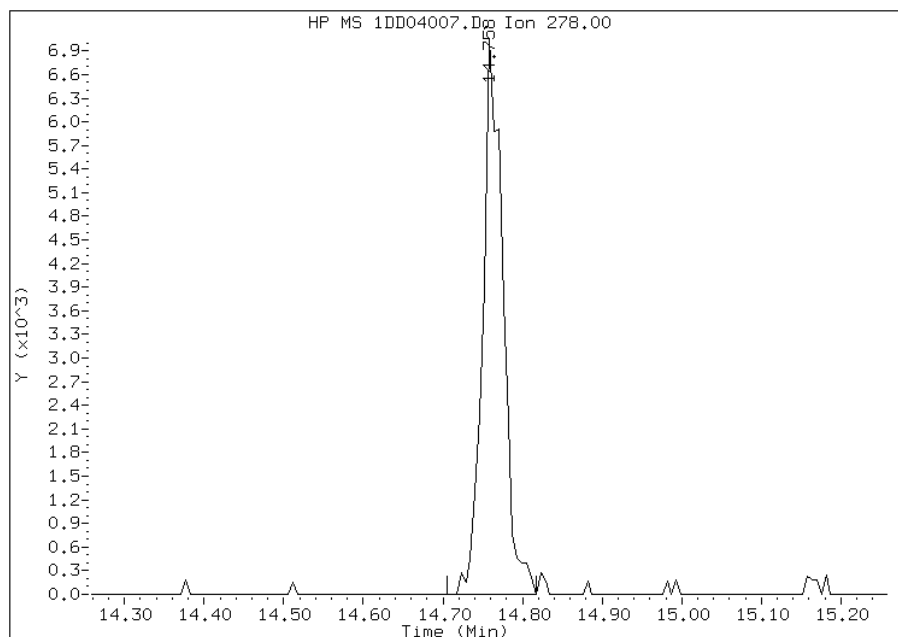
Processing Integration Results

RT: 14.76
Response: 12250
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.76
Response: 12466
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04008.D
 Lab Smp Id: IC-1531398
 Inj Date : 04-APR-2013 14:11
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 13:49 Cal File: 1DD04007.D
 Als bottle: 6 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.089	6.089	(1.000)	2465772	40.0000	
* 6 Acenaphthene-d10	164	7.769	7.769	(1.000)	1452284	40.0000	
* 9 Phenanthrene-d10	188	9.027	9.027	(1.000)	2423707	40.0000	
\$ 13 o-Terphenyl	230	9.332	9.332	(1.034)	33997	1.00000	0.93
* 17 Chrysene-d12	240	11.336	11.336	(1.000)	2420423	40.0000	
* 22 Perylene-d12	264	13.163	13.163	(1.000)	2501899	40.0000	
2 Naphthalene	128	6.112	6.112	(1.004)	59216	1.00000	0.97
3 2-Methylnaphthalene	142	6.817	6.817	(1.120)	37688	1.00000	0.95
4 1-Methylnaphthalene	142	6.911	6.911	(1.135)	35645	1.00000	0.95
5 Acenaphthylene	152	7.640	7.640	(0.983)	56340	1.00000	0.92
7 Acenaphthene	154	7.793	7.793	(1.003)	35951	1.00000	0.95
8 Fluorene	166	8.233	8.233	(1.060)	42826	1.00000	0.95
10 Phenanthrene	178	9.038	9.038	(1.001)	63070	1.00000	0.94
11 Anthracene	178	9.080	9.080	(1.006)	61222	1.00000	0.92
12 Carbazole	167	9.221	9.221	(1.021)	55563	1.00000	0.95
14 Fluoranthene	202	10.020	10.020	(1.110)	64445	1.00000	0.94
15 Pyrene	202	10.208	10.208	(0.900)	69252	1.00000	0.95
16 Benzo(a)anthracene	228	11.318	11.318	(0.998)	68675	1.00000	1.0
18 Chrysene	228	11.359	11.359	(1.002)	63553	1.00000	0.97
19 Benzo(b)fluoranthene	252	12.611	12.611	(0.958)	57946	1.00000	0.93
20 Benzo(k)fluoranthene	252	12.646	12.646	(0.961)	64288	1.00000	0.98
21 Benzo(a)pyrene	252	13.057	13.057	(0.992)	58354	1.00000	0.93
23 Indeno(1,2,3-cd)pyrene	276	14.732	14.732	(1.119)	62840	1.00000	0.94(M)
24 Dibenzo(a,h)anthracene	278	14.761	14.761	(1.121)	57541	1.00000	0.91(M)
25 Benzo(g,h,i)perylene	276	15.167	15.167	(1.152)	62750	1.00000	0.97

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04008.D

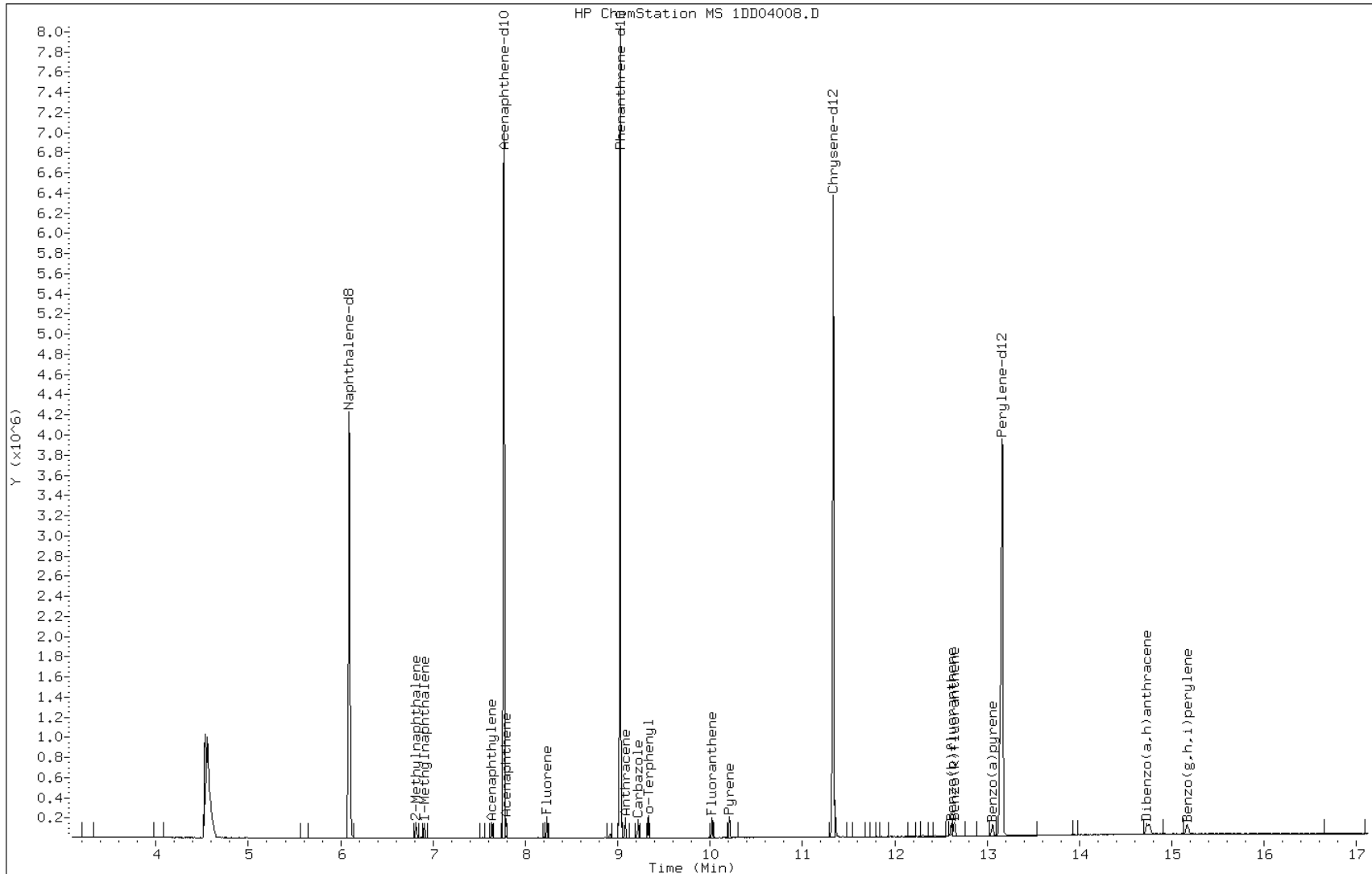
Date: 04-APR-2013 14:11

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531398

Operator: SCC

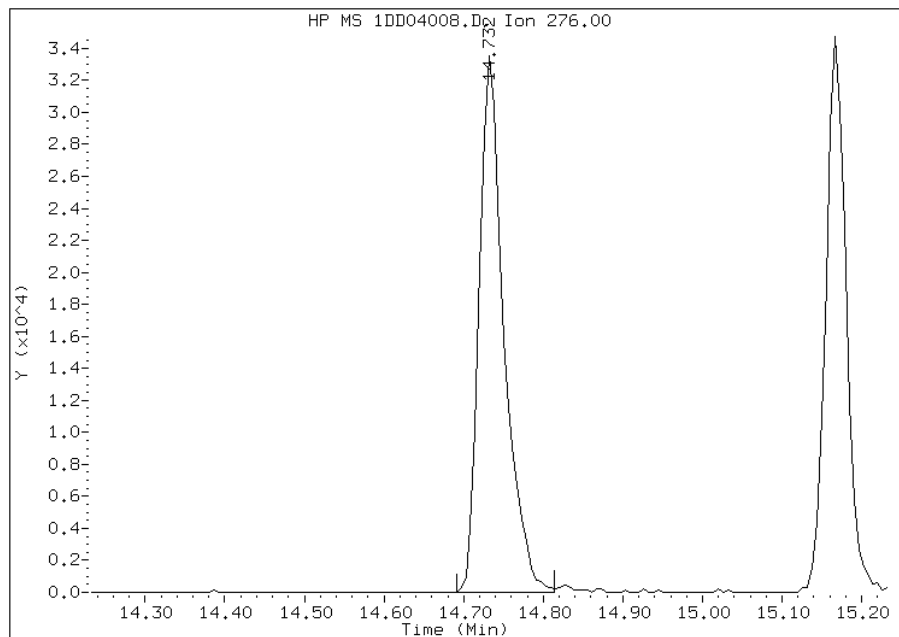


Manual Integration Report

Data File: 1DD04008.D
Inj. Date and Time: 04-APR-2013 14:11
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

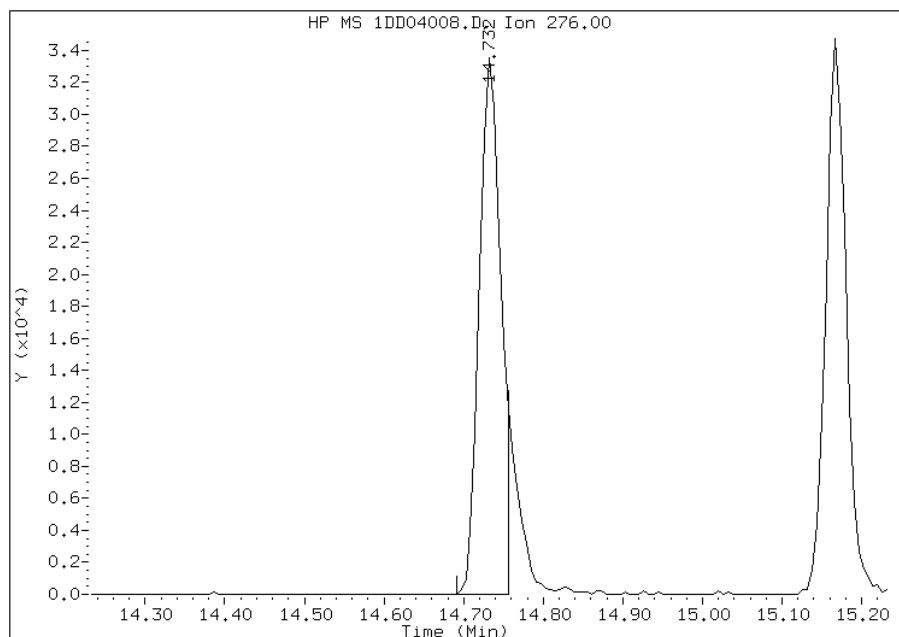
Processing Integration Results

RT: 14.73
Response: 72512
Amount: 1
Conc: 1



Manual Integration Results

RT: 14.73
Response: 62840
Amount: 1
Conc: 1



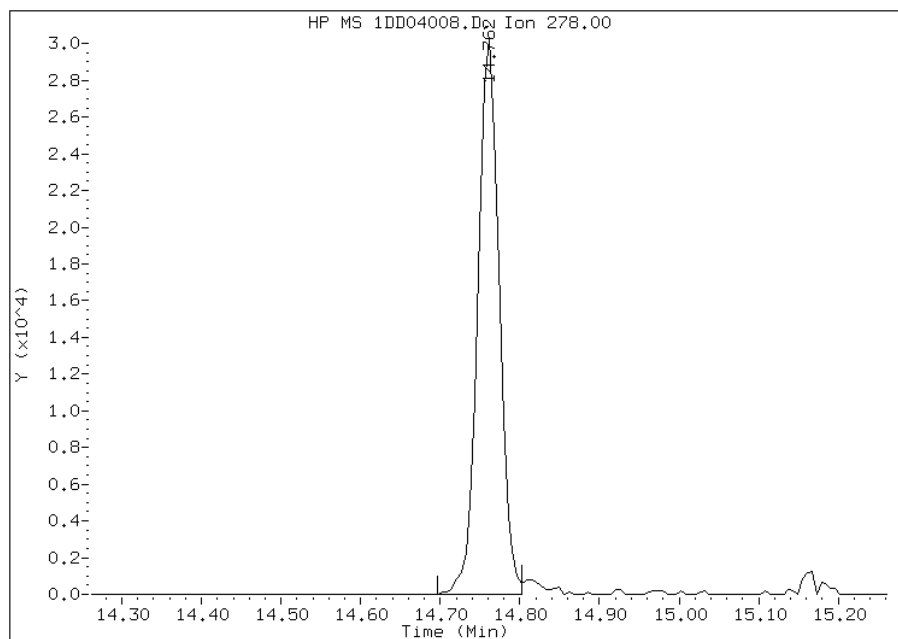
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:29
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DD04008.D
Inj. Date and Time: 04-APR-2013 14:11
Instrument ID: BSMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

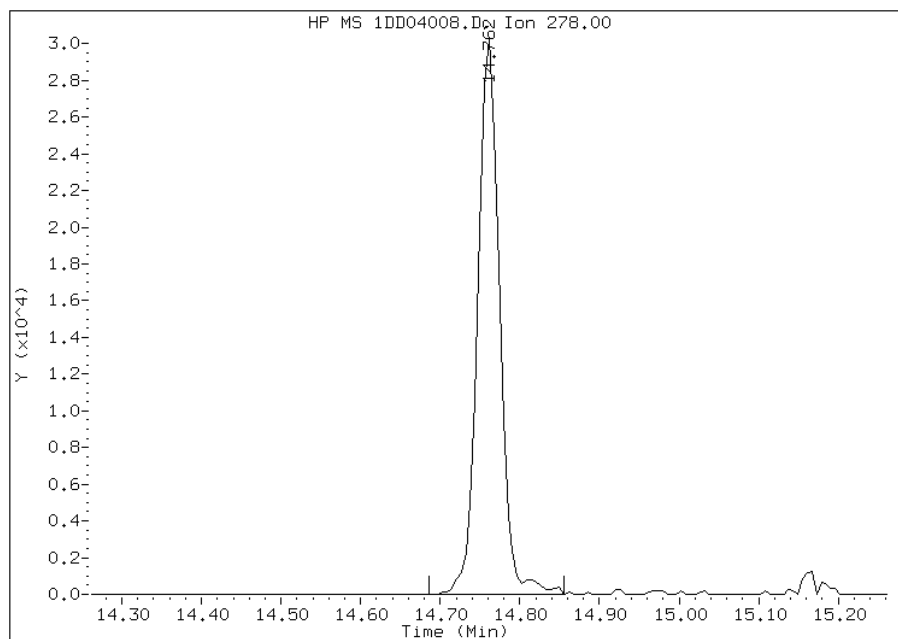
Processing Integration Results

RT: 14.76
Response: 56125
Amount: 1
Conc: 1



Manual Integration Results

RT: 14.76
Response: 57541
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMSD.i\1D040413.b\1DD04009.D
 Lab Smp Id: IC-1531399
 Inj Date : 04-APR-2013 14:34
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:11 Cal File: 1DD04008.D
 Als bottle: 7 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.093	6.093	(1.000)	2459101	40.0000	
* 6 Acenaphthene-d10	164	7.768	7.768	(1.000)	1451469	40.0000	
* 9 Phenanthrene-d10	188	9.025	9.025	(1.000)	2413975	40.0000	
\$ 13 o-Terphenyl	230	9.331	9.331	(1.034)	185249	5.00000	5.1
* 17 Chrysene-d12	240	11.340	11.340	(1.000)	2435324	40.0000	
* 22 Perylene-d12	264	13.167	13.167	(1.000)	2525708	40.0000	
2 Naphthalene	128	6.111	6.111	(1.003)	316194	5.00000	5.2
3 2-Methylnaphthalene	142	6.816	6.816	(1.119)	200332	5.00000	5.1
4 1-Methylnaphthalene	142	6.910	6.910	(1.134)	190230	5.00000	5.1
5 Acenaphthylene	152	7.639	7.639	(0.983)	314191	5.00000	5.1
7 Acenaphthene	154	7.791	7.791	(1.003)	193205	5.00000	5.1
8 Fluorene	166	8.232	8.232	(1.060)	223769	5.00000	5.0
10 Phenanthrene	178	9.043	9.043	(1.002)	338739	5.00000	5.1
11 Anthracene	178	9.084	9.084	(1.007)	335430	5.00000	5.1
12 Carbazole	167	9.219	9.219	(1.021)	295345	5.00000	5.1
14 Fluoranthene	202	10.024	10.024	(1.111)	348578	5.00000	5.1
15 Pyrene	202	10.212	10.212	(0.901)	374480	5.00000	5.1
16 Benzo(a)anthracene	228	11.323	11.323	(0.998)	339292	5.00000	5.1
18 Chrysene	228	11.358	11.358	(1.002)	329706	5.00000	5.0
19 Benzo(b)fluoranthene	252	12.615	12.615	(0.958)	323060	5.00000	5.1
20 Benzo(k)fluoranthene	252	12.650	12.650	(0.961)	328752	5.00000	4.9
21 Benzo(a)pyrene	252	13.062	13.062	(0.992)	318431	5.00000	5.0
23 Indeno(1,2,3-cd)pyrene	276	14.742	14.742	(1.120)	336963	5.00000	5.0(M)
24 Dibenzo(a,h)anthracene	278	14.766	14.766	(1.121)	316396	5.00000	5.0
25 Benzo(g,h,i)perylene	276	15.177	15.177	(1.153)	331324	5.00000	5.1

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04009.D

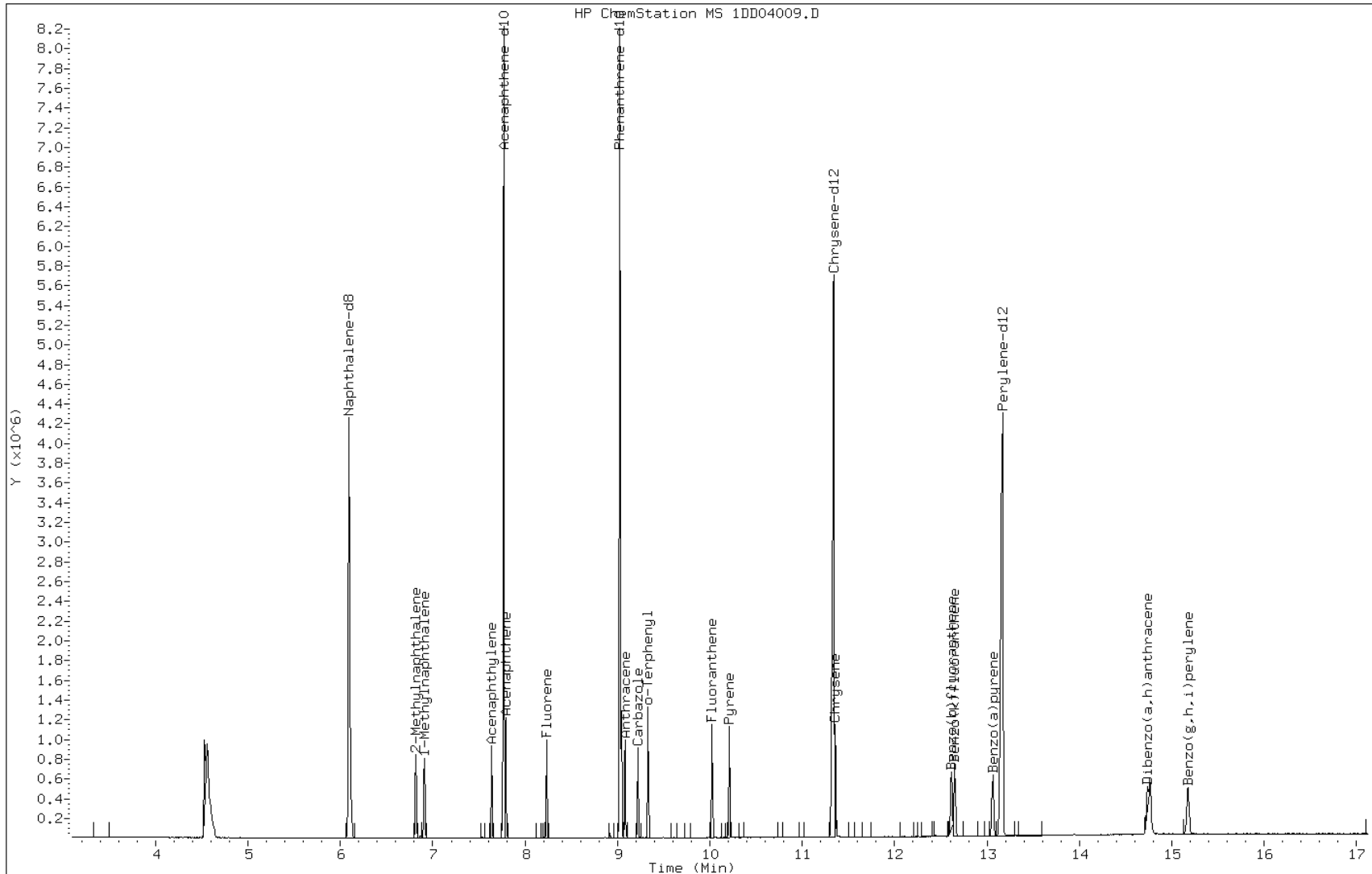
Date: 04-APR-2013 14:34

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531399

Operator: SCC

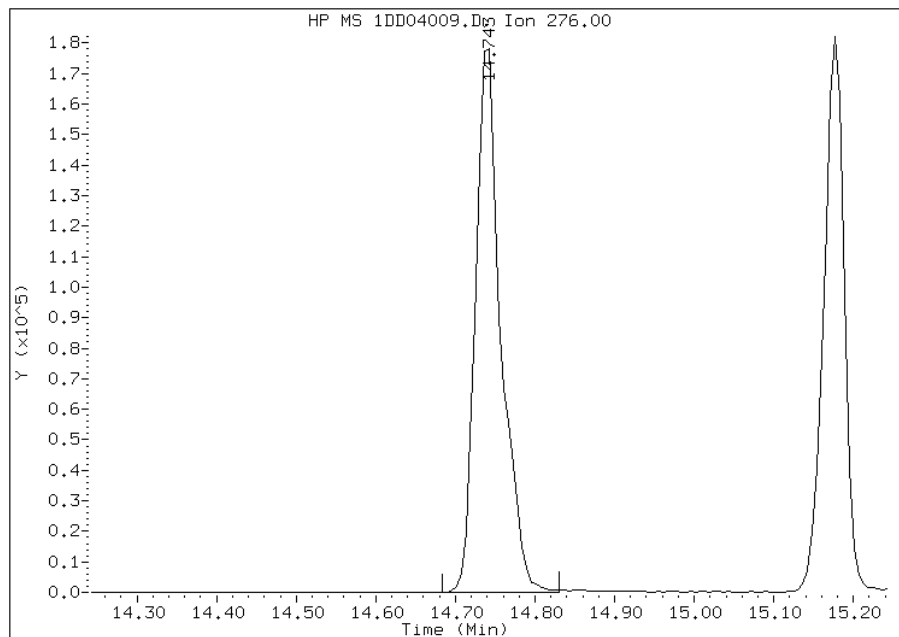


Manual Integration Report

Data File: 1DD04009.D
Inj. Date and Time: 04-APR-2013 14:34
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

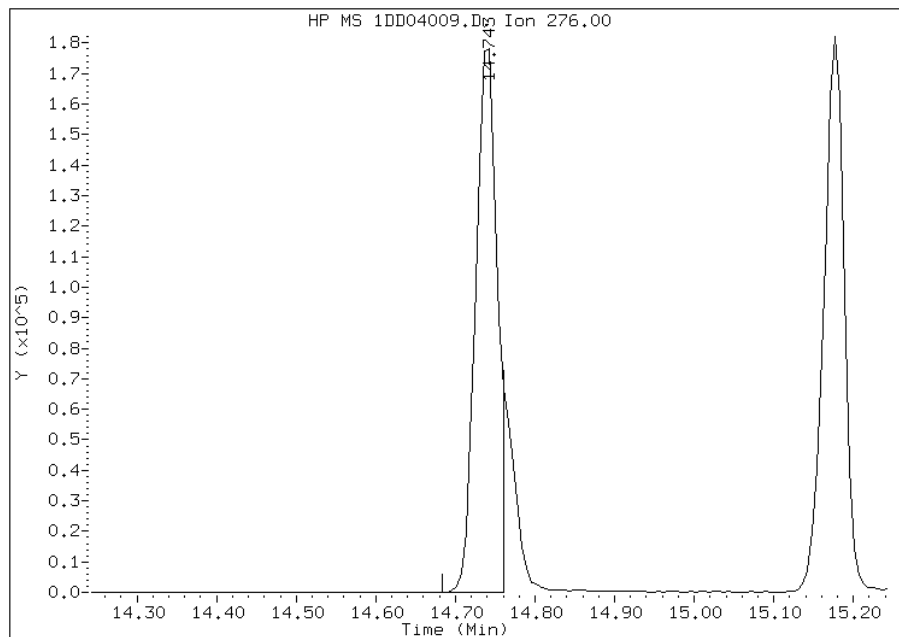
Processing Integration Results

RT: 14.74
Response: 395308
Amount: 5
Conc: 5



Manual Integration Results

RT: 14.74
Response: 336963
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:29
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04010.D
 Lab Smp Id: IC-1531400
 Inj Date : 04-APR-2013 14:57
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:34 Cal File: 1DD04009.D
 Als bottle: 8 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.093	6.093	(1.000)	2548377	40.0000	
* 6 Acenaphthene-d10	164	7.767	7.767	(1.000)	1478460	40.0000	
* 9 Phenanthrene-d10	188	9.025	9.025	(1.000)	2445573	40.0000	
\$ 13 o-Terphenyl	230	9.330	9.330	(1.034)	360585	10.0000	9.8
* 17 Chrysene-d12	240	11.340	11.340	(1.000)	2472736	40.0000	
* 22 Perylene-d12	264	13.167	13.167	(1.000)	2524268	40.0000	
2 Naphthalene	128	6.110	6.110	(1.003)	614716	10.0000	9.7
3 2-Methylnaphthalene	142	6.816	6.816	(1.119)	401151	10.0000	9.8
4 1-Methylnaphthalene	142	6.910	6.910	(1.134)	377068	10.0000	9.8
5 Acenaphthylene	152	7.638	7.638	(0.983)	620756	10.0000	9.9
7 Acenaphthene	154	7.791	7.791	(1.003)	375673	10.0000	9.7
8 Fluorene	166	8.237	8.237	(1.061)	453336	10.0000	9.9
10 Phenanthrene	178	9.042	9.042	(1.002)	657435	10.0000	9.8
11 Anthracene	178	9.083	9.083	(1.007)	663091	10.0000	9.9
12 Carbazole	167	9.224	9.224	(1.022)	584967	10.0000	9.9
14 Fluoranthene	202	10.024	10.024	(1.111)	684049	10.0000	9.9
15 Pyrene	202	10.212	10.212	(0.901)	738839	10.0000	9.9
16 Benzo(a)anthracene	228	11.322	11.322	(0.998)	655565	10.0000	9.7
18 Chrysene	228	11.363	11.363	(1.002)	641842	10.0000	9.6
19 Benzo(b)fluoranthene	252	12.621	12.621	(0.959)	612455	10.0000	9.7
20 Benzo(k)fluoranthene	252	12.656	12.656	(0.961)	667284	10.0000	10
21 Benzo(a)pyrene	252	13.067	13.067	(0.992)	629684	10.0000	9.9
23 Indeno(1,2,3-cd)pyrene	276	14.747	14.747	(1.120)	647015	10.0000	9.6(M)
24 Dibenzo(a,h)anthracene	278	14.777	14.777	(1.122)	621340	10.0000	9.8
25 Benzo(g,h,i)perylene	276	15.188	15.188	(1.153)	642692	10.0000	9.9

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04010.D

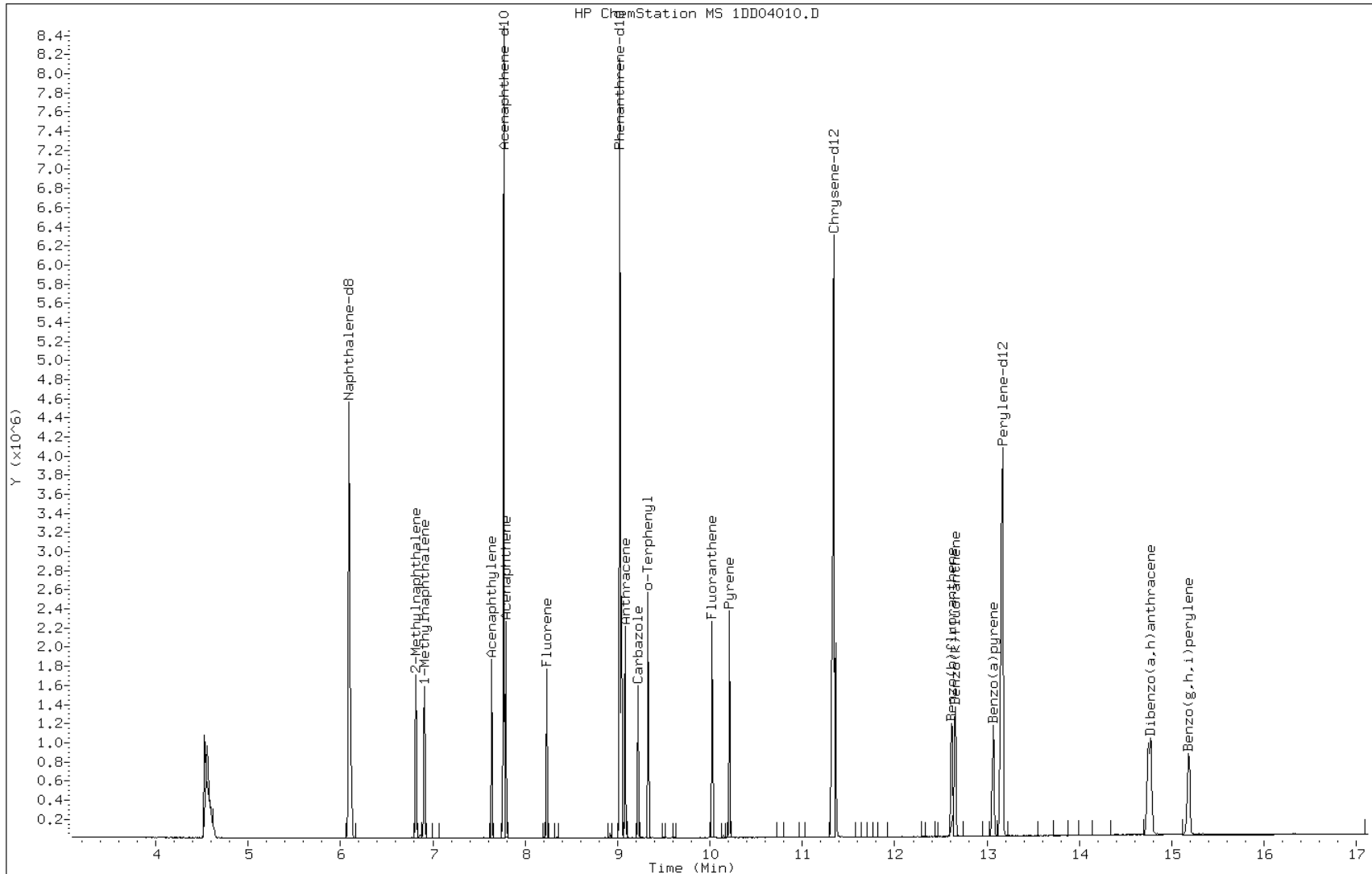
Date: 04-APR-2013 14:57

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531400

Operator: SCC

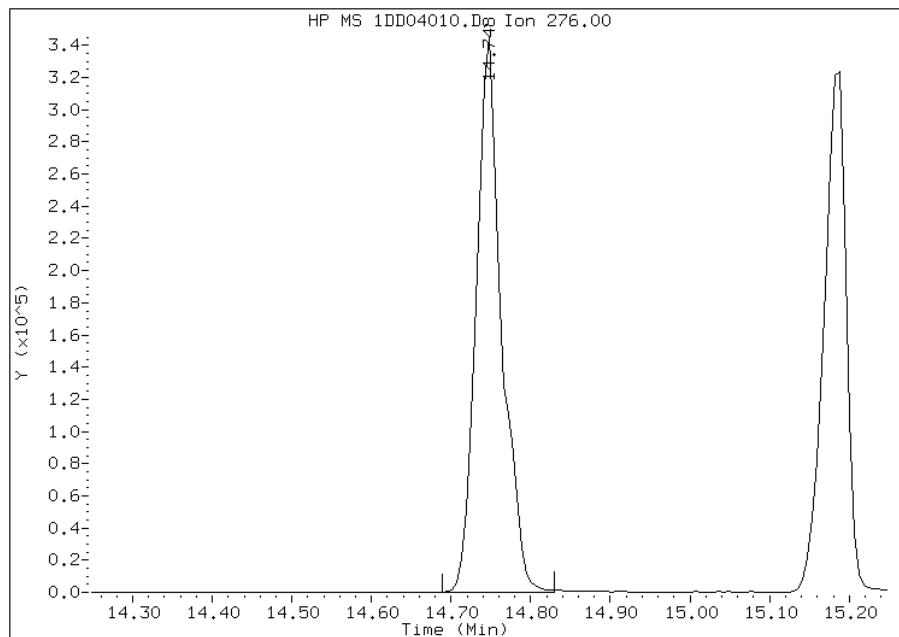


Manual Integration Report

Data File: 1DD04010.D
Inj. Date and Time: 04-APR-2013 14:57
Instrument ID: BSMSSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

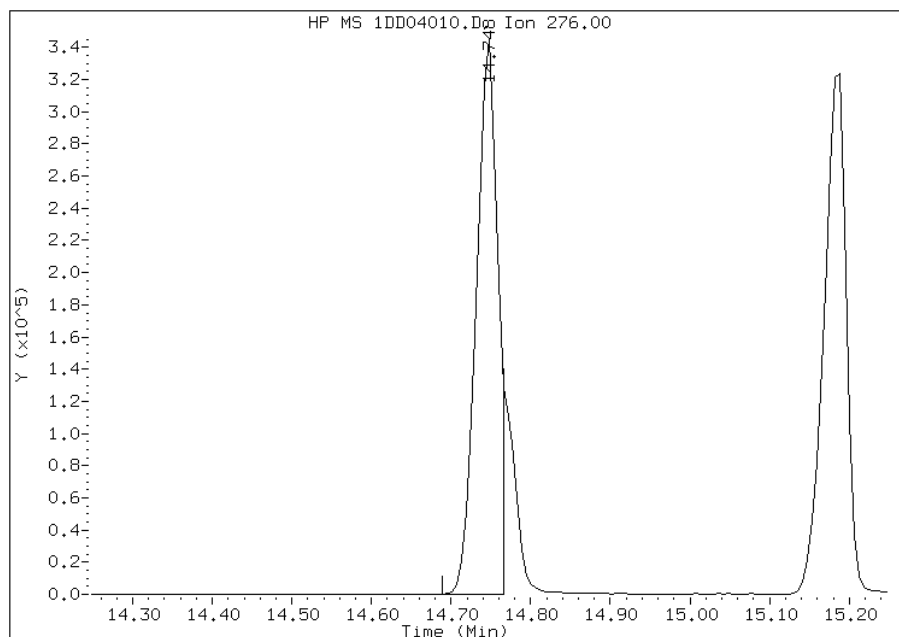
Processing Integration Results

RT: 14.75
Response: 759012
Amount: 10
Conc: 10



Manual Integration Results

RT: 14.75
Response: 647015
Amount: 10
Conc: 10



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04011.D
 Lab Smp Id: ICIS-1531401
 Inj Date : 04-APR-2013 15:19
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : ICIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:57 Cal File: 1DD04010.D
 Als bottle: 9 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136			6.089	6.089	(1.000)	2475113	40.0000	
* 6 Acenaphthene-d10	164			7.769	7.769	(1.000)	1466924	40.0000	
* 9 Phenanthrene-d10	188			9.027	9.027	(1.000)	2428512	40.0000	
\$ 13 o-Terphenyl	230			9.332	9.332	(1.034)	754512	20.0000	21
* 17 Chrysene-d12	240			11.342	11.342	(1.000)	2464730	40.0000	
* 22 Perylene-d12	264			13.169	13.169	(1.000)	2515643	40.0000	
2 Naphthalene	128			6.113	6.113	(1.004)	1235557	20.0000	20
3 2-Methylnaphthalene	142			6.818	6.818	(1.120)	806286	20.0000	20
4 1-Methylnaphthalene	142			6.912	6.912	(1.135)	757317	20.0000	20
5 Acenaphthylene	152			7.640	7.640	(0.983)	1275622	20.0000	20
7 Acenaphthene	154			7.793	7.793	(1.003)	757590	20.0000	20
8 Fluorene	166			8.234	8.234	(1.060)	918747	20.0000	20
10 Phenanthrene	178			9.044	9.044	(1.002)	1331875	20.0000	20
11 Anthracene	178			9.086	9.086	(1.007)	1360668	20.0000	20
12 Carbazole	167			9.227	9.227	(1.022)	1202897	20.0000	20
14 Fluoranthene	202			10.026	10.026	(1.111)	1392506	20.0000	20
15 Pyrene	202			10.214	10.214	(0.901)	1496990	20.0000	20
16 Benzo(a)anthracene	228			11.324	11.324	(0.998)	1332372	20.0000	20
18 Chrysene	228			11.365	11.365	(1.002)	1305118	20.0000	20
19 Benzo(b)fluoranthene	252			12.623	12.623	(0.959)	1270704	20.0000	20
20 Benzo(k)fluoranthene	252			12.664	12.664	(0.962)	1319239	20.0000	20
21 Benzo(a)pyrene	252			13.075	13.075	(0.993)	1276688	20.0000	20
23 Indeno(1,2,3-cd)pyrene	276			14.761	14.761	(1.121)	1333044	20.0000	20(M)
24 Dibenzo(a,h)anthracene	278			14.785	14.785	(1.123)	1273836	20.0000	20
25 Benzo(g,h,i)perylene	276			15.202	15.202	(1.154)	1285637	20.0000	20

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04011.D

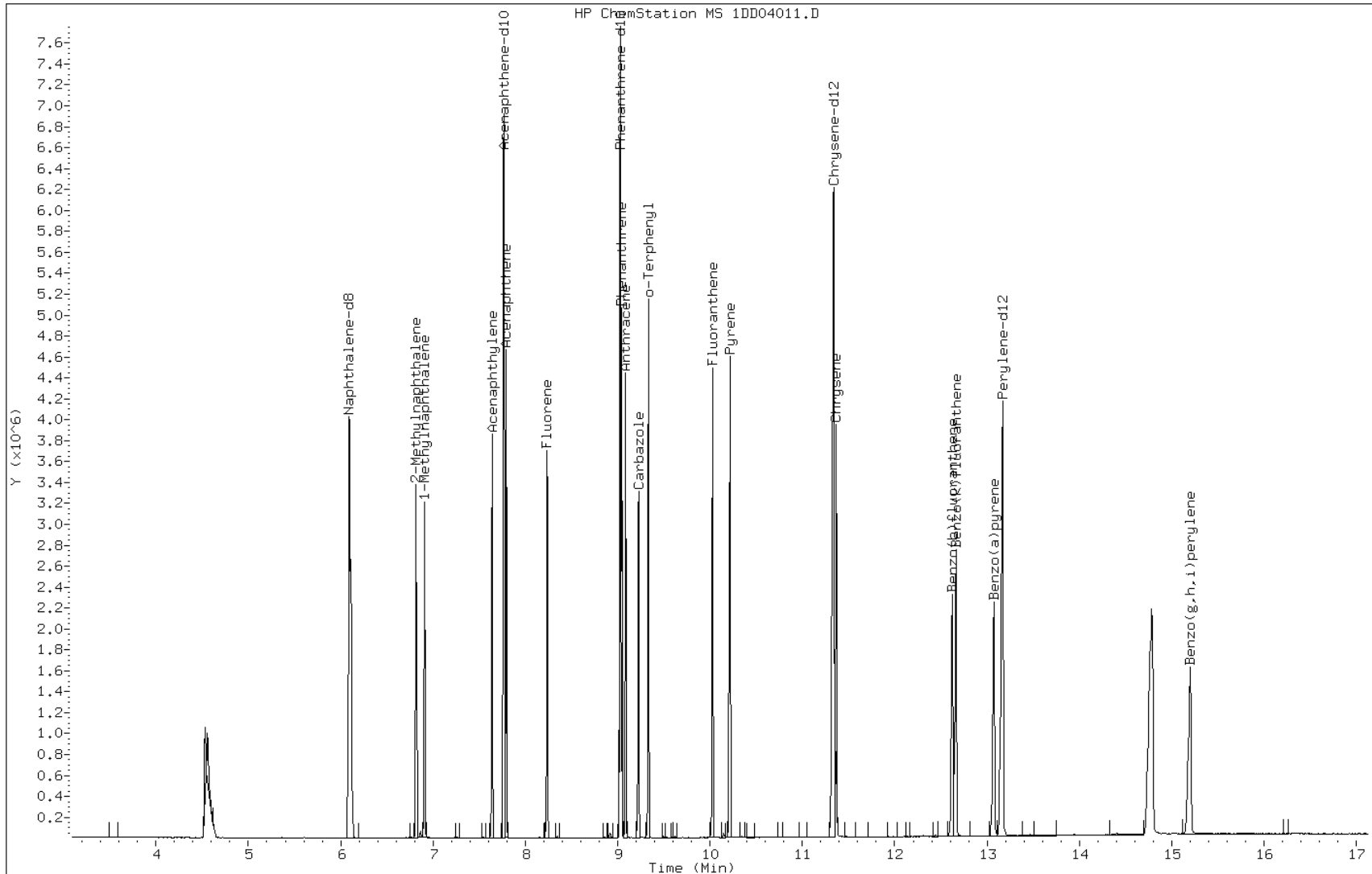
Date: 04-APR-2013 15:19

Client ID:

Instrument: BSMSD.i

Sample Info: ICIS-1531401

Operator: SCC

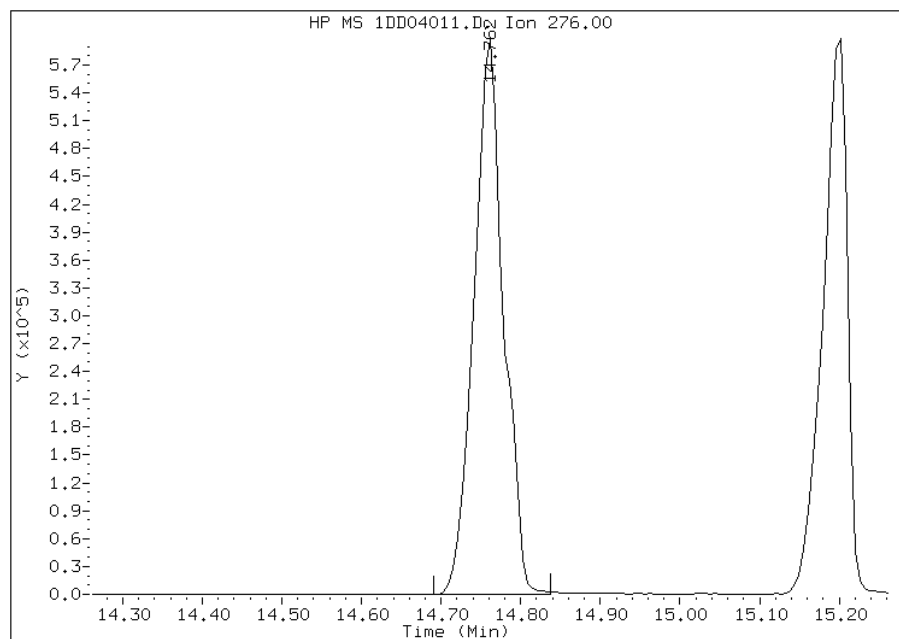


Manual Integration Report

Data File: 1DD04011.D
Inj. Date and Time: 04-APR-2013 15:19
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

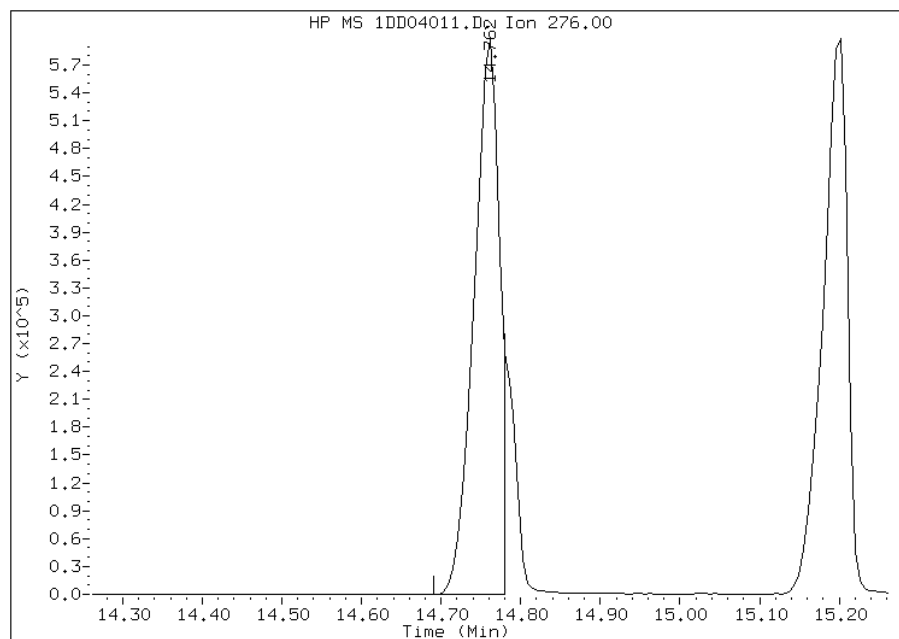
Processing Integration Results

RT: 14.76
Response: 1546230
Amount: 22
Conc: 22



Manual Integration Results

RT: 14.76
Response: 1333044
Amount: 20
Conc: 20



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:26
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04012.D
 Lab Smp Id: IC-1531402
 Inj Date : 04-APR-2013 15:42
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 15:19 Cal File: 1DD04011.D
 Als bottle: 10 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.090	6.090	(1.000)	2316091	40.0000	
* 6 Acenaphthene-d10	164	7.765	7.765	(1.000)	1349878	40.0000	
* 9 Phenanthrene-d10	188	9.028	9.028	(1.000)	2295562	40.0000	
\$ 13 o-Terphenyl	230	9.334	9.334	(1.034)	1074388	30.0000	31
* 17 Chrysene-d12	240	11.343	11.343	(1.000)	2345845	40.0000	
* 22 Perylene-d12	264	13.170	13.170	(1.000)	2343379	40.0000	
2 Naphthalene	128	6.114	6.114	(1.004)	1777021	30.0000	31
3 2-Methylnaphthalene	142	6.819	6.819	(1.120)	1162560	30.0000	31
4 1-Methylnaphthalene	142	6.913	6.913	(1.135)	1096847	30.0000	31
5 Acenaphthylene	152	7.642	7.642	(0.984)	1852399	30.0000	32
7 Acenaphthene	154	7.794	7.794	(1.004)	1100779	30.0000	31
8 Fluorene	166	8.235	8.235	(1.061)	1323451	30.0000	32
10 Phenanthrene	178	9.046	9.046	(1.002)	1932978	30.0000	30
11 Anthracene	178	9.087	9.087	(1.007)	1981347	30.0000	32
12 Carbazole	167	9.228	9.228	(1.022)	1717245	30.0000	31
14 Fluoranthene	202	10.027	10.027	(1.111)	2025512	30.0000	31
15 Pyrene	202	10.215	10.215	(0.901)	2181708	30.0000	31
16 Benzo(a)anthracene	228	11.326	11.326	(0.998)	1914899	30.0000	30
18 Chrysene	228	11.367	11.367	(1.002)	1900592	30.0000	30
19 Benzo(b)fluoranthene	252	12.630	12.630	(0.959)	1811151	30.0000	31
20 Benzo(k)fluoranthene	252	12.671	12.671	(0.962)	1910468	30.0000	31
21 Benzo(a)pyrene	252	13.082	13.082	(0.993)	1854979	30.0000	32
23 Indeno(1,2,3-cd)pyrene	276	14.769	14.769	(1.121)	2011375	30.0000	32(M)
24 Dibenzo(a,h)anthracene	278	14.798	14.798	(1.124)	1840819	30.0000	31
25 Benzo(g,h,i)perylene	276	15.209	15.209	(1.155)	1860821	30.0000	31

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04012.D

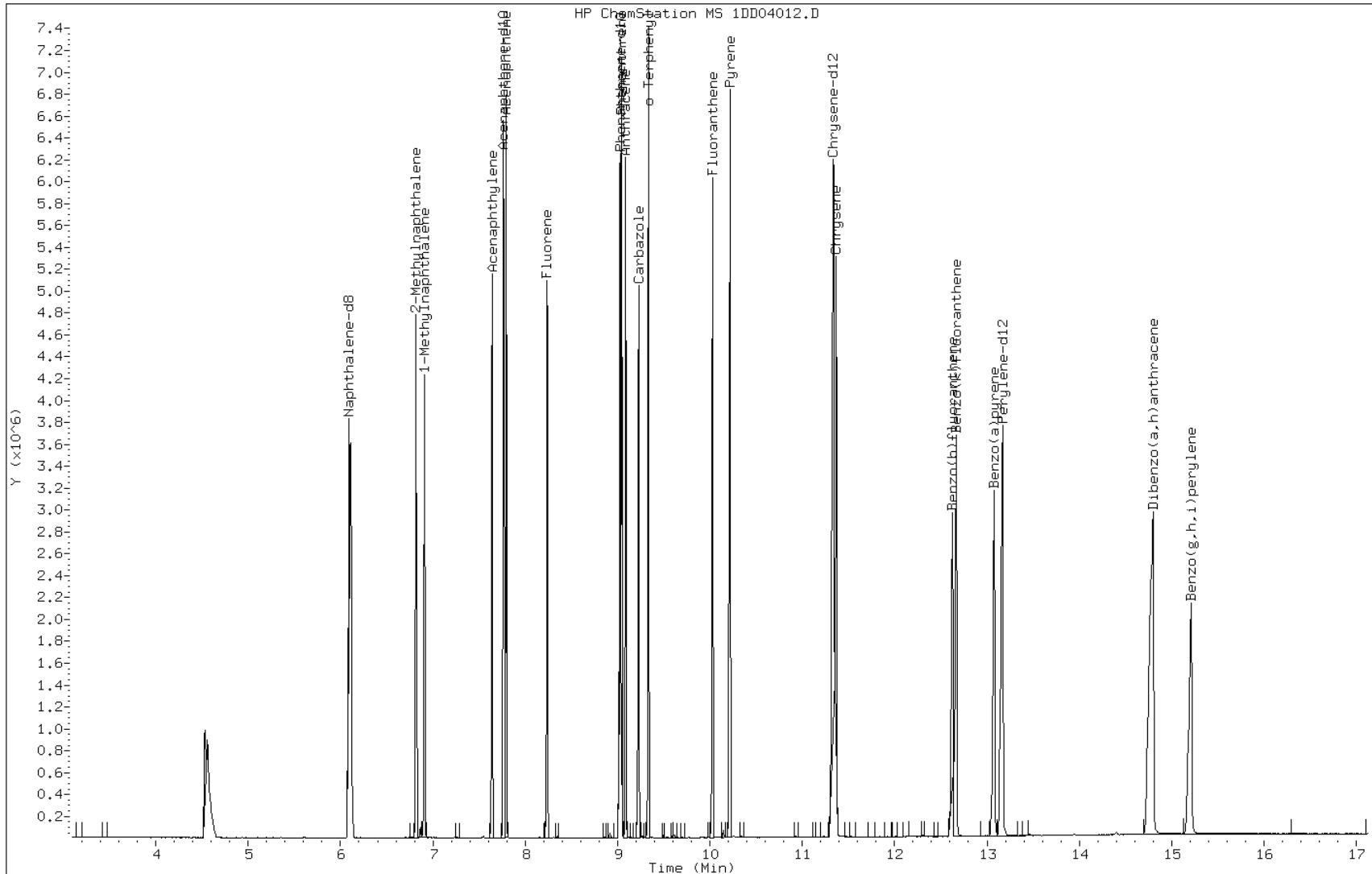
Date: 04-APR-2013 15:42

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531402

Operator: SCC

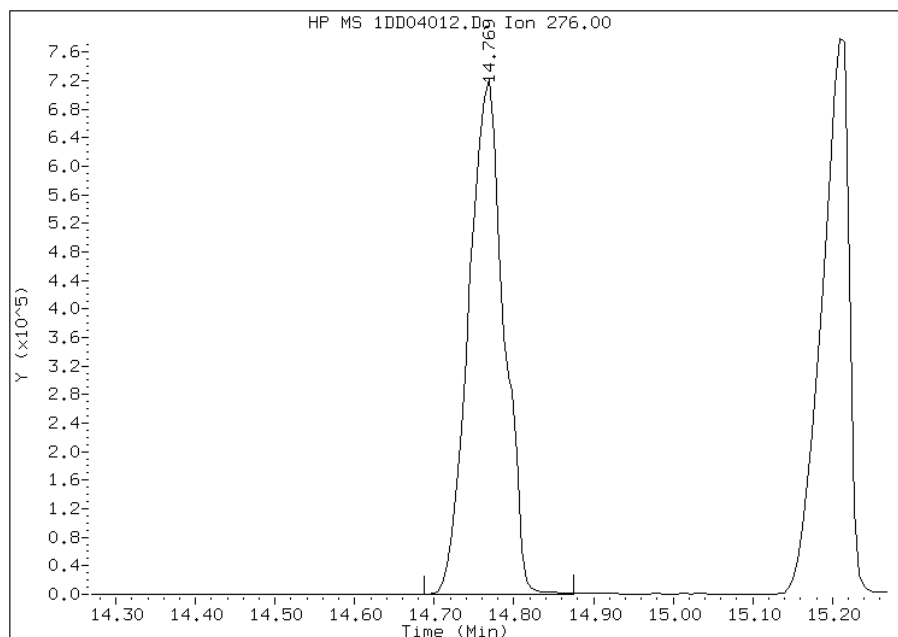


Manual Integration Report

Data File: 1DD04012.D
Inj. Date and Time: 04-APR-2013 15:42
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

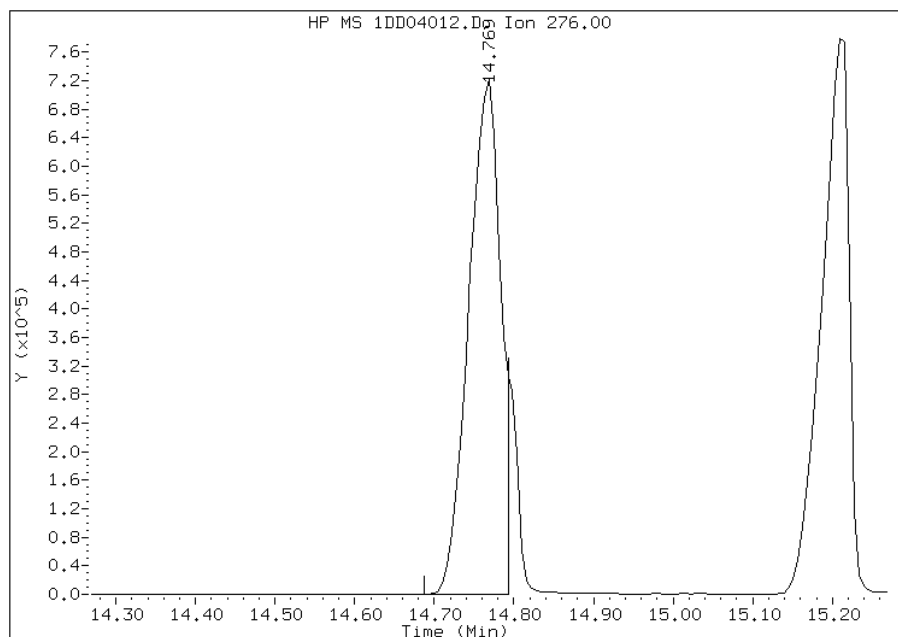
Processing Integration Results

RT: 14.77
Response: 2221522
Amount: 32
Conc: 32



Manual Integration Results

RT: 14.77
Response: 2011375
Amount: 32
Conc: 32



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04013.D
 Lab Smp Id: IC-1531403
 Inj Date : 04-APR-2013 16:04
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 15:42 Cal File: 1DD04012.D
 Als bottle: 11 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.090	6.090	(1.000)	2444753	40.0000	
* 6 Acenaphthene-d10	164	7.770	7.770	(1.000)	1439391	40.0000	
* 9 Phenanthrene-d10	188	9.027	9.027	(1.000)	2373597	40.0000	
\$ 13 o-Terphenyl	230	9.339	9.339	(1.034)	2031596	50.0000	57(A)
* 17 Chrysene-d12	240	11.348	11.348	(1.000)	2479223	40.0000	
* 22 Perylene-d12	264	13.175	13.175	(1.000)	2461140	40.0000	
2 Naphthalene	128	6.113	6.113	(1.004)	3211548	50.0000	53(A)
3 2-Methylnaphthalene	142	6.818	6.818	(1.120)	2134320	50.0000	54(A)
4 1-Methylnaphthalene	142	6.912	6.912	(1.135)	1999874	50.0000	54(A)
5 Acenaphthylene	152	7.641	7.641	(0.983)	3396591	50.0000	56(A)
7 Acenaphthene	154	7.799	7.799	(1.004)	2018481	50.0000	54(A)
8 Fluorene	166	8.240	8.240	(1.060)	2393163	50.0000	54(A)
10 Phenanthrene	178	9.051	9.051	(1.003)	3534794	50.0000	54(A)
11 Anthracene	178	9.092	9.092	(1.007)	3590722	50.0000	55(A)
12 Carbazole	167	9.233	9.233	(1.023)	3137679	50.0000	55(A)
14 Fluoranthene	202	10.032	10.032	(1.111)	3681257	50.0000	55(A)
15 Pyrene	202	10.220	10.220	(0.901)	3965627	50.0000	53(A)
16 Benzo(a)anthracene	228	11.325	11.325	(0.998)	3388838	50.0000	50(A)
18 Chrysene	228	11.377	11.377	(1.003)	3512644	50.0000	52(A)
19 Benzo(b)fluoranthene	252	12.635	12.635	(0.959)	3290902	50.0000	54(A)
20 Benzo(k)fluoranthene	252	12.682	12.682	(0.963)	3421834	50.0000	53(A)
21 Benzo(a)pyrene	252	13.093	13.093	(0.994)	3327888	50.0000	54(A)
23 Indeno(1,2,3-cd)pyrene	276	14.785	14.785	(1.122)	3754268	50.0000	57(AM)
24 Dibenzo(a,h)anthracene	278	14.826	14.826	(1.125)	3350541	50.0000	54(A)
25 Benzo(g,h,i)perylene	276	15.238	15.238	(1.157)	3284166	50.0000	52(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: 1DD04013.D

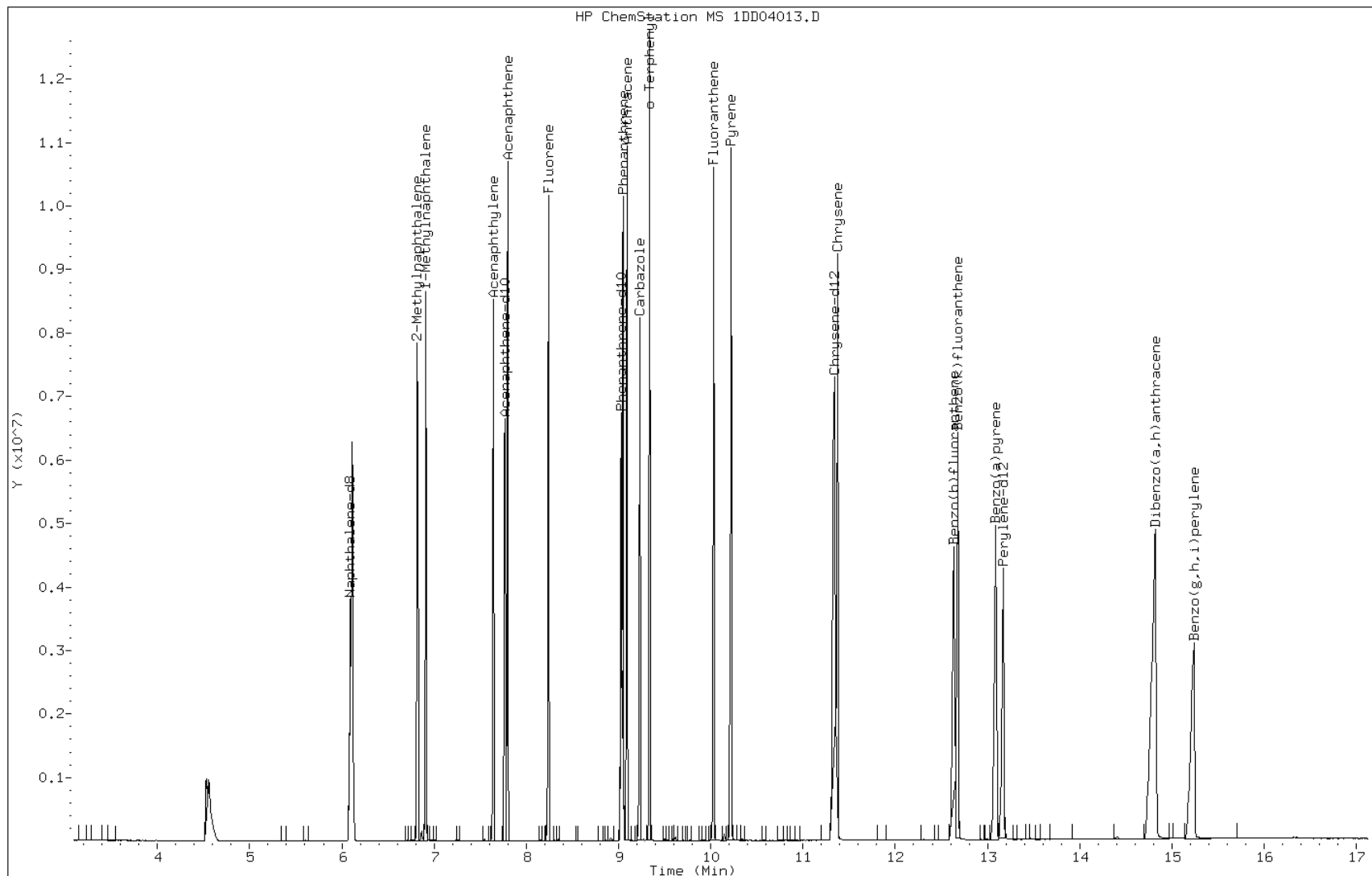
Date: 04-APR-2013 16:04

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531403

Operator: SCC

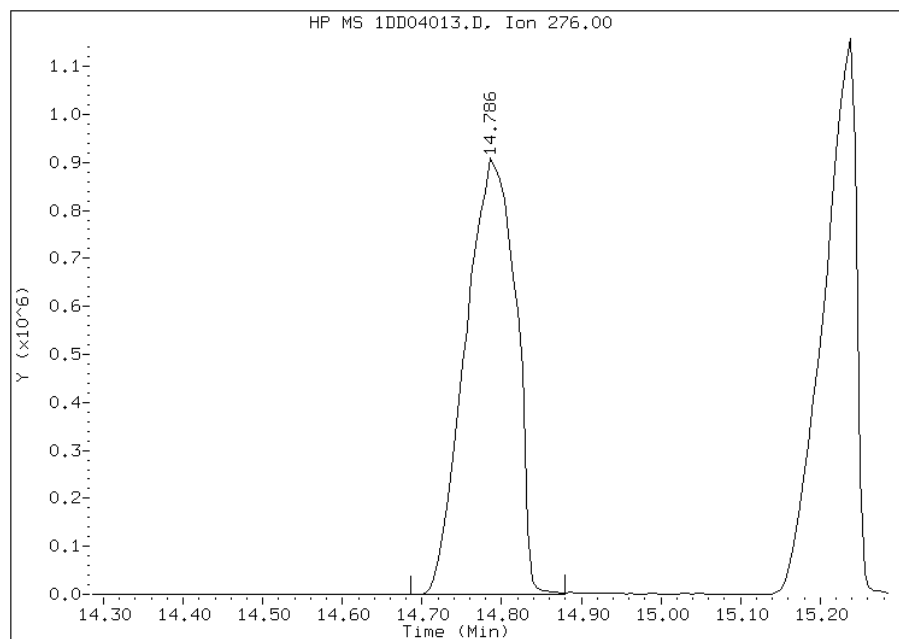


Manual Integration Report

Data File: 1DD04013.D
Inj. Date and Time: 04-APR-2013 16:04
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

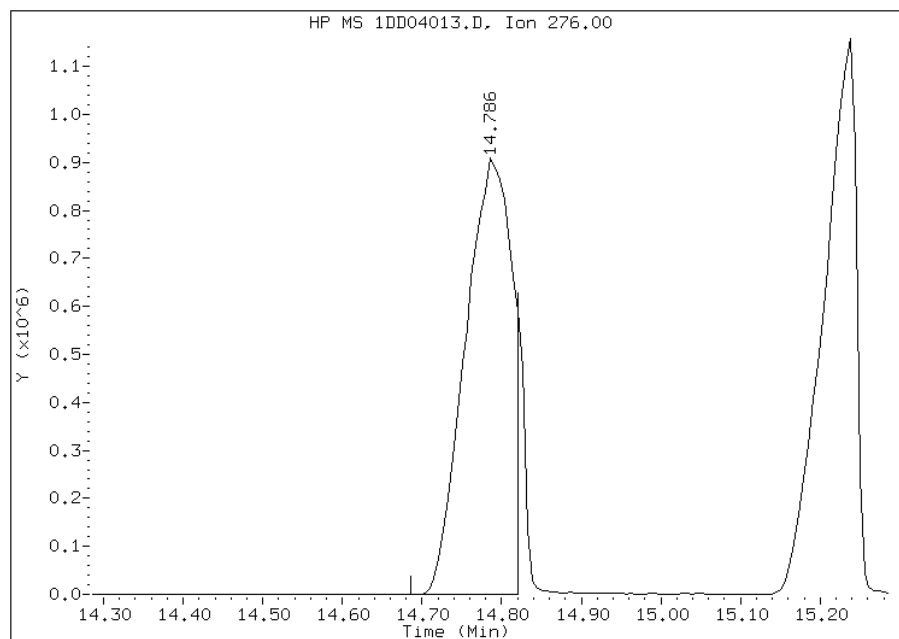
Processing Integration Results

RT: 14.79
Response: 3993028
Amount: 54
Conc: 54



Manual Integration Results

RT: 14.79
Response: 3754268
Amount: 57
Conc: 57



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab Sample ID: ICV 660-136370/10 Calibration Date: 04/11/2013 14:25
 Instrument ID: BSMC5973 Calib Start Date: 04/11/2013 11:56
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/11/2013 14:06
 Lab File ID: 1CD11010.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.081	0.9667	0.0000	17900	20000	-10.6	35.0
2-Methylnaphthalene	Lin	0.6730	0.7057	0.0000	19800	20000	-1.1	35.0
1-Methylnaphthalene	Ave	0.6907	0.6750	0.0000	19500	20000	-2.3	35.0
Acenaphthylene	Ave	1.695	1.600	0.0000	18900	20000	-5.6	35.0
Acenaphthene	Ave	1.021	0.9034	0.0000	17700	20000	-11.6	35.0
Fluorene	Ave	1.300	1.293	0.0000	19900	20000	-0.6	35.0
Phenanthrene	Qua	1.293	1.058	0.0000	18100	20000	-9.4	35.0
Anthracene	Ave	1.161	1.108	0.0000	19100	20000	-4.6	35.0
Carbazole	Ave	1.082	1.002	0.0000	18500	20000	-7.3	35.0
Fluoranthene	Ave	1.298	1.281	0.0000	19700	20000	-1.3	35.0
Pyrene	Ave	1.138	0.9796	0.0000	17200	20000	-13.9	35.0
Benzo[a]anthracene	LinF	1.279	1.089	0.0000	19300	20000	-3.7	35.0
Chrysene	Ave	1.119	0.9569	0.0000	17100	20000	-14.5	35.0
Benzo[b]fluoranthene	Ave	1.010	0.9917	0.0000	19600	20000	-1.8	35.0
Benzo[k]fluoranthene	Ave	1.143	1.000	0.0000	17500	20000	-12.5	35.0
Benzo[a]pyrene	Ave	1.044	0.8988	0.0000	17200	20000	-13.9	35.0
Indeno[1,2,3-cd]pyrene	Lin	1.022	0.8637	0.0000	17300	20000	-13.6	35.0
Dibenz(a,h)anthracene	Lin	1.014	0.9353	0.0000	18700	20000	-6.5	35.0
Benzo[g,h,i]perylene	Ave	0.9789	0.9212	0.0000	18800	20000	-5.9	35.0
o-Terphenyl	Lin	0.5859	0.5690	0.0000	17900	20000	-10.6	35.0

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11010.D
 Lab Smp Id: ICV-1448440
 Inj Date : 11-APR-2013 14:25
 Operator : SCC
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\A-BFASTPAHi-m.m
 Meth Date : 11-Apr-2013 14:45 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 10 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Vo	1000.000	Sample Volume
A	1000.000	uL to mL conversion
B	1000.000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1= if no con
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/l)
* 1 Naphthalene-d8	136		3.674	3.675	(1.000)	273342	40.0000		
* 6 Acenaphthene-d10	164		4.763	4.763	(1.000)	204687	40.0000		
* 10 Phenanthrene-d10	188		5.704	5.704	(1.000)	380421	40.0000		
\$ 14 o-Terphenyl	230		5.957	5.957	(1.044)	108232	17.8704	17.8703	
* 18 Chrysene-d12	240		7.639	7.639	(1.000)	501991	40.0000		
* 23 Perylene-d12	264		8.798	8.798	(1.000)	491170	40.0000		
2 Naphthalene	128		3.686	3.687	(1.003)	132124	17.8815	17.8815	
3 2-Methylnaphthalene	142		4.116	4.115	(1.120)	96442	19.7889	19.7889	
4 1-Methylnaphthalene	142		4.174	4.175	(1.136)	92254	19.5465	19.5464	
5 Acenaphthylene	152		4.674	4.675	(0.981)	163781	18.8832	18.8832	
7 Acenaphthene	154		4.780	4.781	(1.004)	92455	17.6882	17.6882	
9 Fluorene	166		5.098	5.104	(1.070)	132282	19.8871	19.8871	
11 Phenanthrene	178		5.721	5.722	(1.003)	201336	18.1160	18.1159	
12 Anthracene	178		5.757	5.757	(1.009)	210753	19.0830	19.0829	
13 Carbazole	167		5.863	5.863	(1.028)	190681	18.5382	18.5381	
15 Fluoranthene	202		6.551	6.557	(1.148)	243606	19.7397	19.7396	
16 Pyrene	202		6.721	6.722	(0.880)	245865	17.2161	17.2160	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/l)
17 Benzo(a)anthracene	228	7.633	7.634	(0.999)	273405	19.2602	19.2602
19 Chrysene	228	7.662	7.663	(1.003)	240185	17.1039	17.1038
20 Benzo(b)fluoranthene	252	8.462	8.468	(0.962)	243541	19.6314	19.6313
21 Benzo(k)fluoranthene	252	8.486	8.486	(0.965)	245569	17.4935	17.4935
22 Benzo(a)pyrene	252	8.745	8.751	(0.994)	220738	17.2134	17.2134
24 Indeno(1,2,3-cd)pyrene	276	9.921	9.933	(1.128)	212104	17.2880	17.2879(M)
25 Dibenzo(a,h)anthracene	278	9.939	9.945	(1.130)	229693	18.7094	18.7094
26 Benzo(g,h,i)perylene	276	10.256	10.269	(1.166)	226235	18.8222	18.8221

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD11010.D

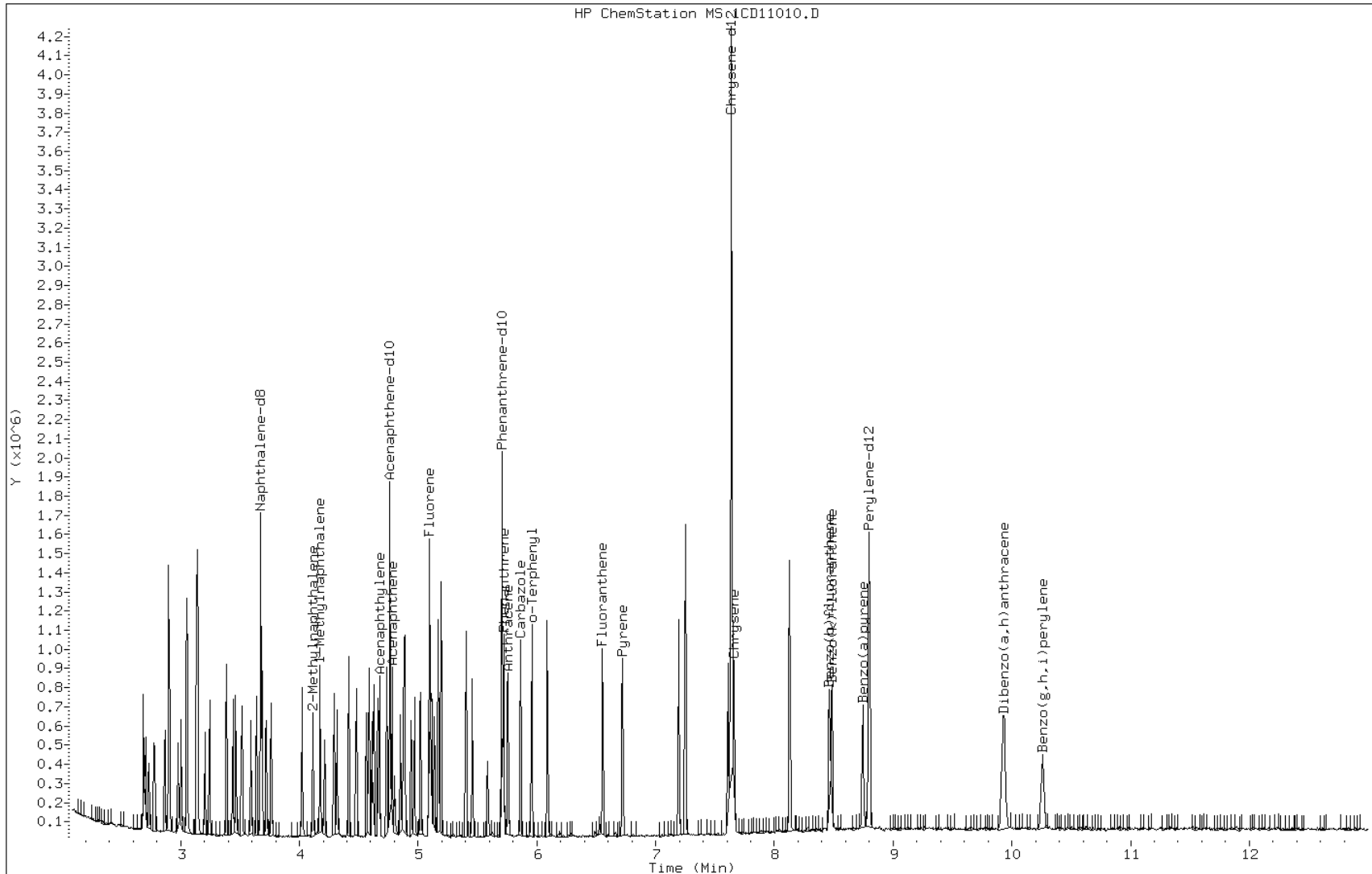
Date: 11-APR-2013 14:25

Client ID:

Instrument: BSMC5973.i

Sample Info: ICV-1448440

Operator: SCC

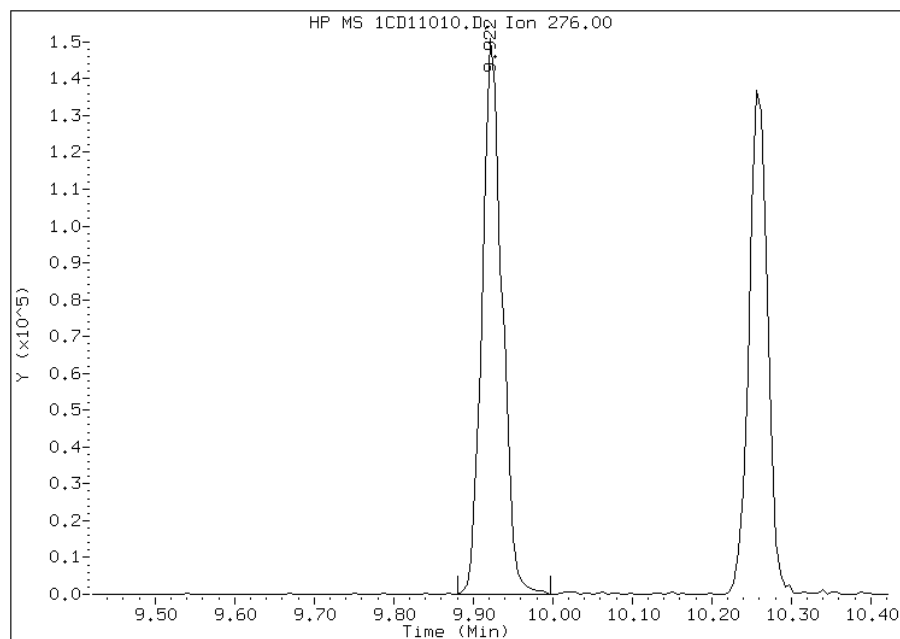


Manual Integration Report

Data File: 1CD11010.D
Inj. Date and Time: 11-APR-2013 14:25
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

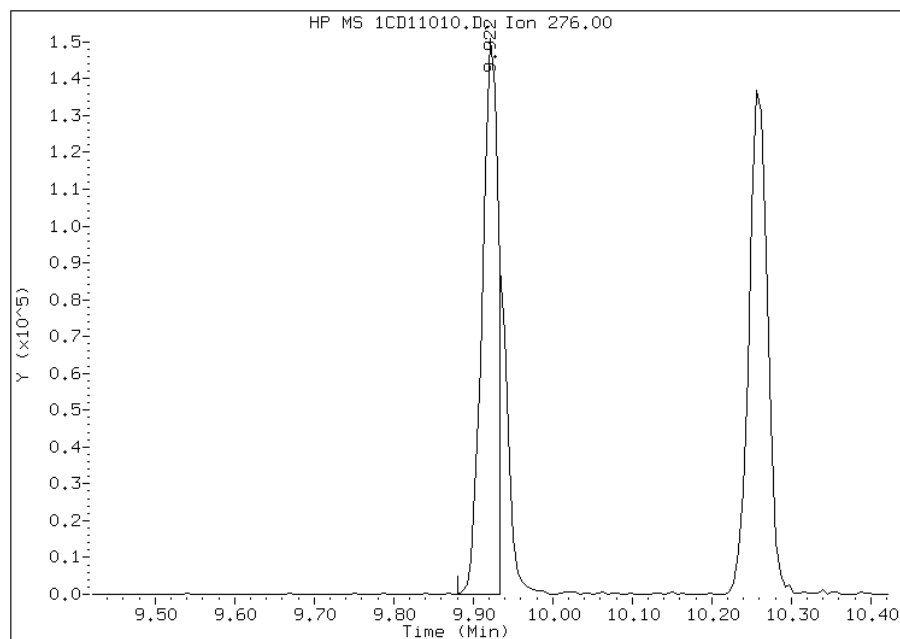
Processing Integration Results

RT: 9.92
Response: 260276
Amount: 21
Conc: 21



Manual Integration Results

RT: 9.92
Response: 212104
Amount: 17
Conc: 17



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 14:46
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab Sample ID: CCVIS 660-136414/3 Calibration Date: 04/12/2013 11:42
 Instrument ID: BSMC5973 Calib Start Date: 04/11/2013 11:56
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/11/2013 14:06
 Lab File ID: 1CD12003.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.081	1.059	0.0000	19600	20000	-2.0	20.0
2-Methylnaphthalene	Lin	0.6730	0.7032	0.0000	19700	20000	-1.4	20.0
1-Methylnaphthalene	Ave	0.6907	0.6809	0.0000	19700	20000	-1.4	20.0
Acenaphthylene	Ave	1.695	1.661	0.0000	19600	20000	-2.0	20.0
Acenaphthene	Ave	1.021	1.058	0.0000	20700	20000	3.6	20.0
Fluorene	Ave	1.300	1.249	0.0000	19200	20000	-3.9	20.0
Phenanthrene	Qua	1.293	1.175	0.0000	20100	20000	0.6	20.0
Anthracene	Ave	1.161	1.132	0.0000	19500	20000	-2.5	20.0
Carbazole	Ave	1.082	1.031	0.0000	19100	20000	-4.7	20.0
Fluoranthene	Ave	1.298	1.277	0.0000	19700	20000	-1.6	20.0
Pyrene	Ave	1.138	1.147	0.0000	20200	20000	0.8	20.0
Benzo[a]anthracene	LinF	1.279	1.134	0.0000	20100	20000	0.3	20.0
Chrysene	Ave	1.119	1.171	0.0000	20900	20000	4.6	20.0
Benzo[b]fluoranthene	Ave	1.010	1.021	0.0000	20200	20000	1.1	20.0
Benzo[k]fluoranthene	Ave	1.143	1.130	0.0000	19800	20000	-1.2	20.0
Benzo[a]pyrene	Ave	1.044	1.076	0.0000	20600	20000	3.0	20.0
Indeno[1,2,3-cd]pyrene	Lin	1.022	0.9743	0.0000	19400	20000	-2.9	20.0
Dibenz(a,h)anthracene	Lin	1.014	0.9486	0.0000	19000	20000	-5.1	20.0
Benzo[g,h,i]perylene	Ave	0.9789	0.9681	0.0000	19800	20000	-1.1	20.0
o-Terphenyl	Lin	0.5859	0.6410	0.0000	20000	20000	0.2	20.0

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 12-APR-2013 11:42
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	213285	40.0000	
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	157125	40.0000	
* 10 Phenanthrene-d10	188		5.704	5.704	(1.000)	284319	40.0000	
\$ 14 o-Terphenyl	230		5.951	5.951	(1.043)	91118	20.0000	20.0426
* 18 Chrysene-d12	240		7.639	7.639	(1.000)	363427	40.0000	
* 23 Perylene-d12	264		8.792	8.792	(1.000)	403166	40.0000	
2 Naphthalene	128		3.680	3.680	(1.003)	112978	20.0000	19.5957
3 2-Methylnaphthalene	142		4.110	4.110	(1.120)	74992	20.0000	19.7214
4 1-Methylnaphthalene	142		4.169	4.169	(1.136)	72617	20.0000	19.7182
5 Acenaphthylene	152		4.669	4.669	(0.981)	130470	20.0000	19.5960
7 Acenaphthene	154		4.774	4.774	(1.004)	83098	20.0000	20.7104
9 Fluorene	166		5.098	5.098	(1.072)	98134	20.0000	19.2191
11 Phenanthrene	178		5.716	5.716	(1.002)	167078	20.0000	20.1280
12 Anthracene	178		5.751	5.751	(1.008)	160893	20.0000	19.4925
13 Carbazole	167		5.857	5.857	(1.027)	146509	20.0000	19.0582
15 Fluoranthene	202		6.551	6.551	(1.148)	181589	20.0000	19.6879
16 Pyrene	202		6.716	6.716	(0.879)	208441	20.0000	20.1604
17 Benzo(a)anthracene	228		7.627	7.627	(0.998)	206076	20.0000	20.0521
19 Chrysene	228		7.657	7.657	(1.002)	212747	20.0000	20.9262
20 Benzo(b)fluoranthene	252		8.457	8.457	(0.962)	205835	20.0000	20.2137
21 Benzo(k)fluoranthene	252		8.480	8.480	(0.965)	227789	20.0000	19.7689
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	216885	20.0000	20.6047
24 Indeno(1,2,3-cd)pyrene	276		9.921	9.921	(1.128)	196395	20.0000	19.4198(M)
25 Dibenzo(a,h)anthracene	278		9.933	9.933	(1.130)	191229	20.0000	18.9700
26 Benzo(g,h,i)perylene	276		10.256	10.256	(1.167)	195147	20.0000	19.7797

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD12003.D

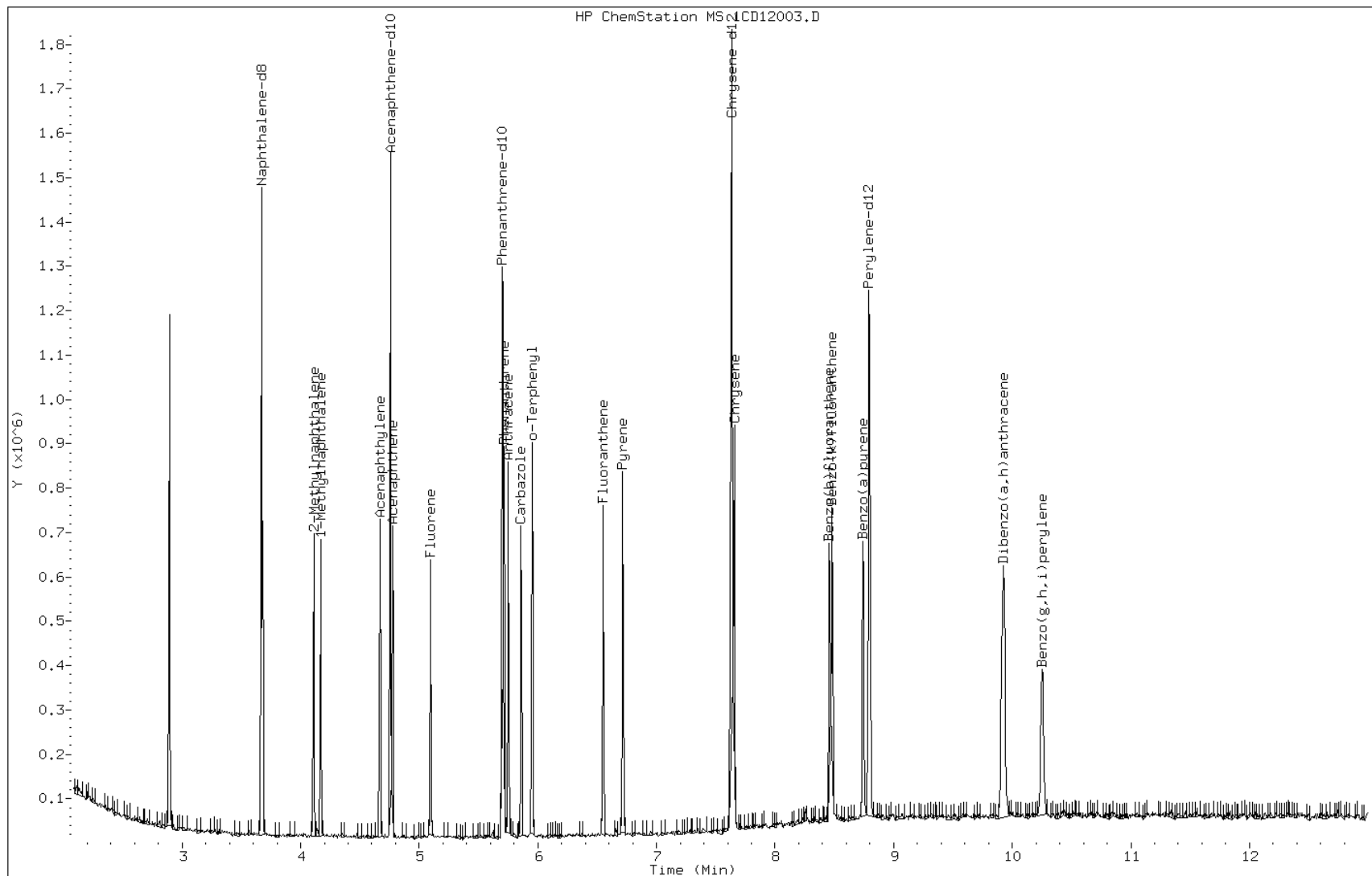
Date: 12-APR-2013 11:42

Client ID:

Instrument: BSMC5973.i

Sample Info: CCVIS-1531401

Operator: SCC

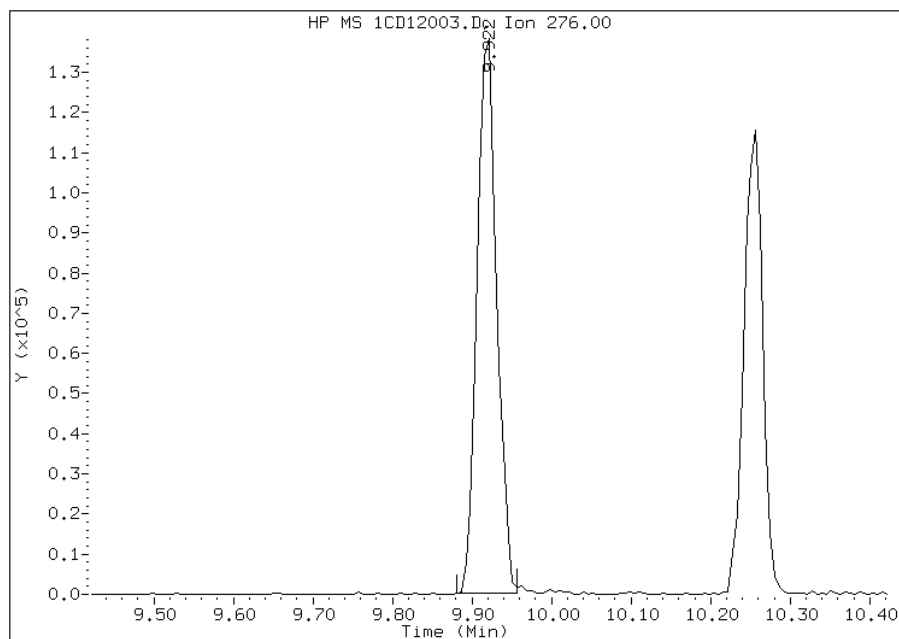


Manual Integration Report

Data File: 1CD12003.D
Inj. Date and Time: 12-APR-2013 11:42
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

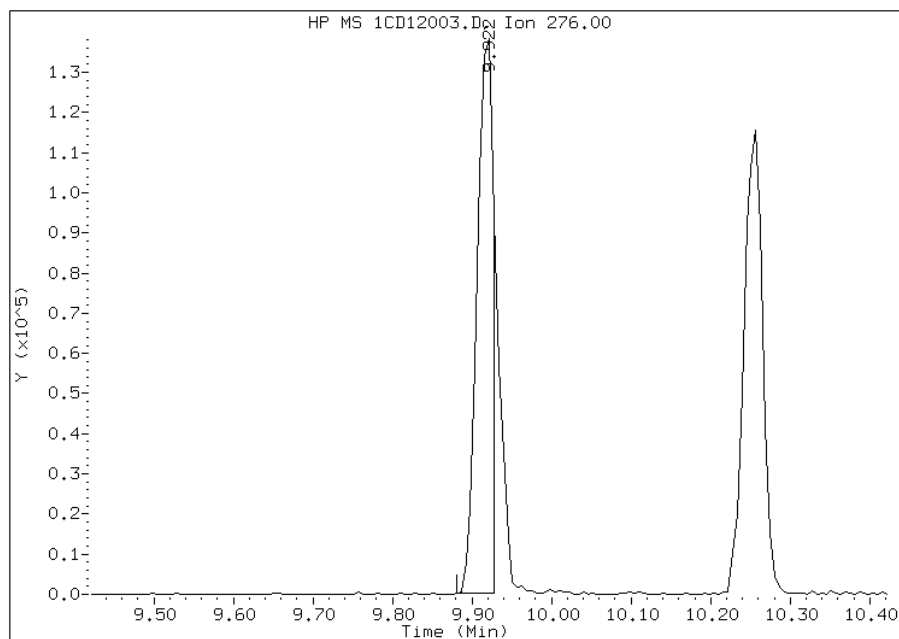
Processing Integration Results

RT: 9.92
Response: 235497
Amount: 23
Conc: 23



Manual Integration Results

RT: 9.92
Response: 196395
Amount: 19
Conc: 19



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 11:58
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab Sample ID: ICV 660-136164/22 Calibration Date: 04/04/2013 16:27
 Instrument ID: BSMD5973 Calib Start Date: 04/04/2013 13:49
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/04/2013 16:04
 Lab File ID: 1DD04014.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9942	0.9009	0.0000	18100	20000	-9.4	35.0
2-Methylnaphthalene	Ave	0.6418	0.5957	0.0000	18600	20000	-7.2	35.0
1-Methylnaphthalene	Ave	0.6061	0.5697	0.0000	18800	20000	-6.0	35.0
Acenaphthylene	Ave	1.693	1.431	0.0000	16900	20000	-15.5	35.0
Acenaphthene	Ave	1.045	0.8522	0.0000	16300	20000	-18.5	35.0
Fluorene	Ave	1.238	1.099	0.0000	17800	20000	-11.2	35.0
Phenanthrene	Ave	1.102	0.8997	0.0000	16300	20000	-18.3	35.0
Anthracene	Ave	1.094	0.9197	0.0000	16800	20000	-15.9	35.0
Carbazole	Ave	0.9646	0.6860	0.0000	14200	20000	-28.9	35.0
Fluoranthene	Ave	1.134	0.9937	0.0000	17500	20000	-12.4	35.0
Pyrene	Ave	1.201	0.9577	0.0000	15900	20000	-20.3	35.0
Benzo[a]anthracene	Ave	1.156	0.9847	0.0000	17000	20000	-14.9	35.0
Chrysene	Ave	1.084	0.8727	0.0000	16100	20000	-19.5	35.0
Benzo[b]fluoranthene	Ave	0.999	0.8893	0.0000	17800	20000	-11.0	35.0
Benzo[k]fluoranthene	Ave	1.053	0.8752	0.0000	16600	20000	-16.9	35.0
Benzo[a]pyrene	Ave	1.004	0.7657	0.0000	15300	20000	-23.7	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.071	0.8560	0.0000	16000	20000	-20.0	35.0
Dibenz(a,h)anthracene	Ave	1.008	0.9464	0.0000	18800	20000	-6.1	35.0
Benzo[g,h,i]perylene	Ave	1.031	0.8761	0.0000	17000	20000	-15.0	35.0
o-Terphenyl	Ave	0.6027	0.4989	0.0000	16600	20000	-17.2	35.0

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04014.D
 Lab Smp Id: ICV-1448440
 Inj Date : 04-APR-2013 16:27
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 13:07 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Vo	1000.000	Sample Volume
A	1000.000	uL to mL conversion
B	1000.000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1= if no con
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Naphthalene-d8	136		6.096	6.090	(1.000)	3619899	40.0000		
* 6 Acenaphthene-d10	164		7.771	7.770	(1.000)	2333423	40.0000		
* 9 Phenanthrene-d10	188		9.028	9.028	(1.000)	3845474	40.0000		
\$ 13 o-Terphenyl	230		9.334	9.339	(1.034)	959307	16.5566	16	
* 17 Chrysene-d12	240		11.349	11.349	(1.000)	3963674	40.0000		
* 22 Perylene-d12	264		13.182	13.176	(1.000)	3958481	40.0000		
2 Naphthalene	128		6.114	6.114	(1.003)	1630598	18.1229	18	
3 2-Methylnaphthalene	142		6.819	6.819	(1.119)	1078163	18.5630	18	
4 1-Methylnaphthalene	142		6.913	6.913	(1.134)	1031118	18.7992	19	
5 Acenaphthylene	152		7.642	7.641	(0.983)	1669244	16.9019	17	
7 Acenaphthene	154		7.800	7.800	(1.004)	994282	16.3100	16	
8 Fluorene	166		8.241	8.240	(1.060)	1281905	17.7572	18	
10 Phenanthrene	178		9.046	9.051	(1.002)	1729949	16.3322	16	
11 Anthracene	178		9.087	9.092	(1.007)	1768381	16.8207	17	
12 Carbazole	167		9.228	9.233	(1.022)	1319041	14.2242	14(M)	
14 Fluoranthene	202		10.027	10.032	(1.111)	1910613	17.5287	18	
15 Pyrene	202		10.215	10.220	(0.900)	1898084	15.9464	16	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)
16 Benzo(a)anthracene	228	11.325	11.325	(0.998)	1951469	17.0289	17
18 Chrysene	228	11.372	11.378	(1.002)	1729613	16.0966	16
19 Benzo(b)fluoranthene	252	12.630	12.635	(0.958)	1760131	17.8000	18
20 Benzo(k)fluoranthene	252	12.671	12.682	(0.961)	1732123	16.6271	17
21 Benzo(a)pyrene	252	13.076	13.094	(0.992)	1515587	15.2542	15
23 Indeno(1,2,3-cd)pyrene	276	14.763	14.786	(1.120)	1694283	15.9925	16(M)
24 Dibenzo(a,h)anthracene	278	14.798	14.827	(1.123)	1873209	18.7764	19
25 Benzo(g,h,i)perylene	276	15.215	15.238	(1.154)	1734029	16.9990	17(H)

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DD04014.D

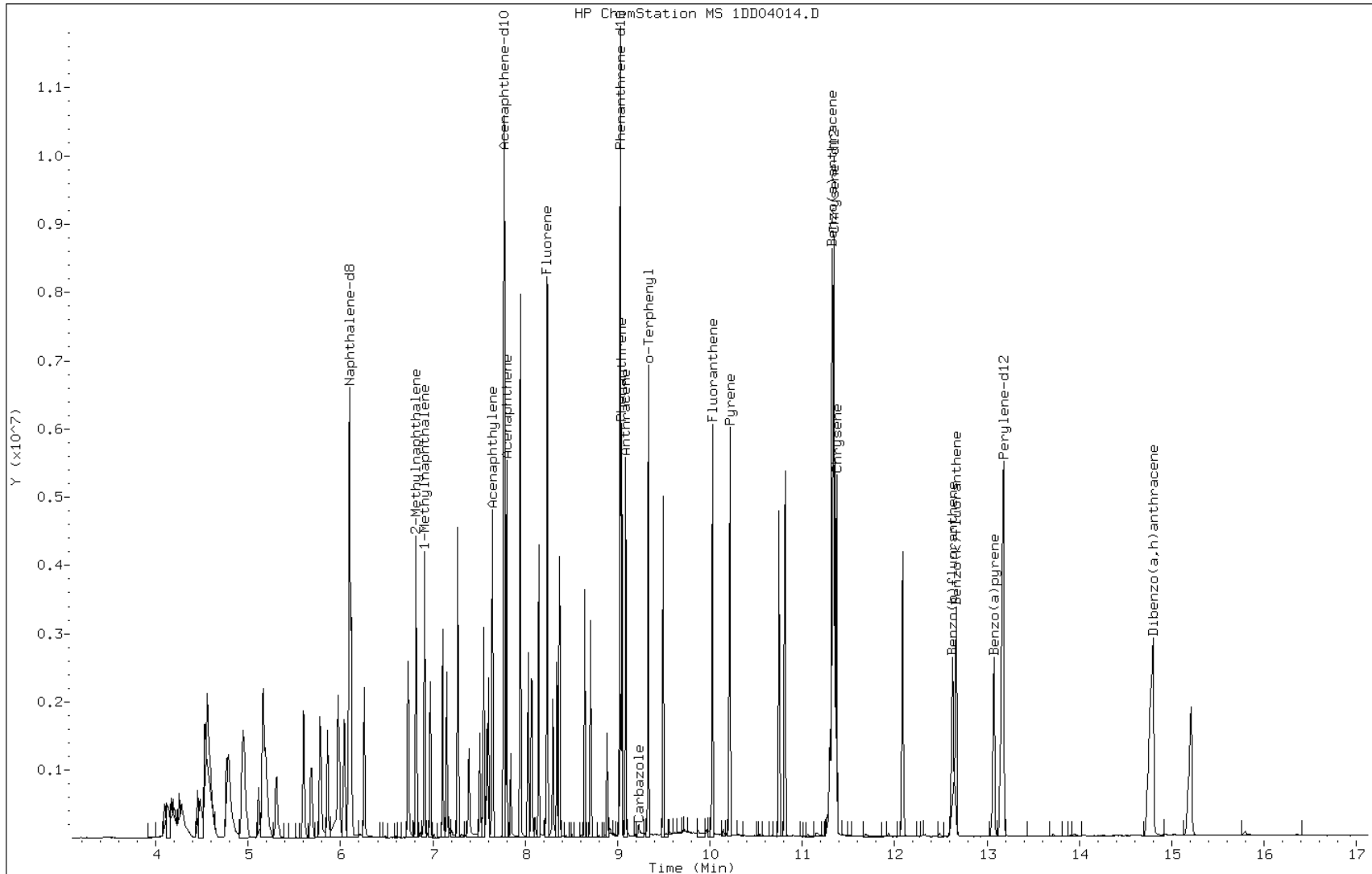
Date: 04-APR-2013 16:27

Client ID:

Instrument: BSMSD.i

Sample Info: ICV-1448440

Operator: SCC

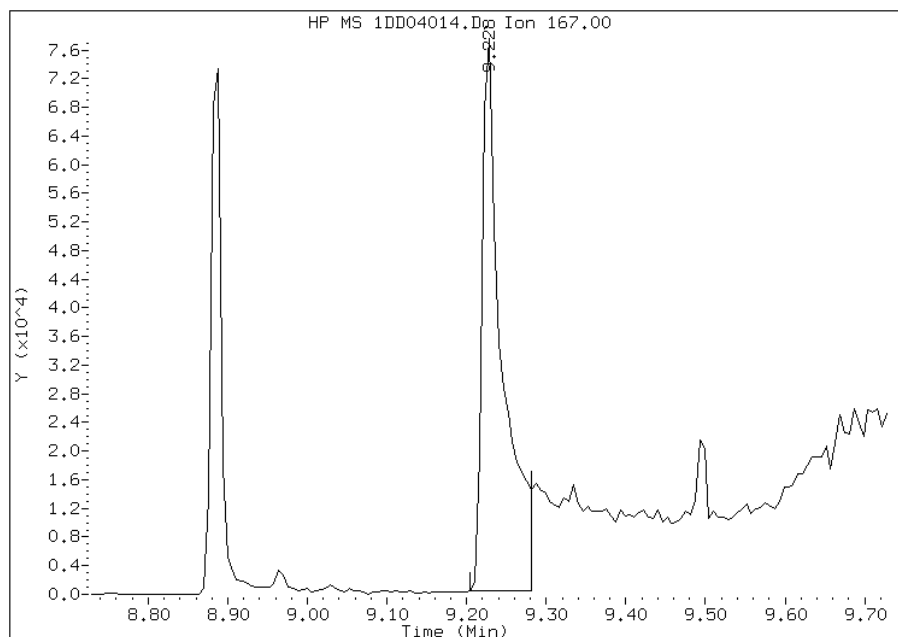


Manual Integration Report

Data File: 1DD04014.D
Inj. Date and Time: 04-APR-2013 16:27
Instrument ID: BSMDS.i
Client ID:
Compound: 12 Carbazole
CAS #: 86-74-8
Report Date: 04/05/2013

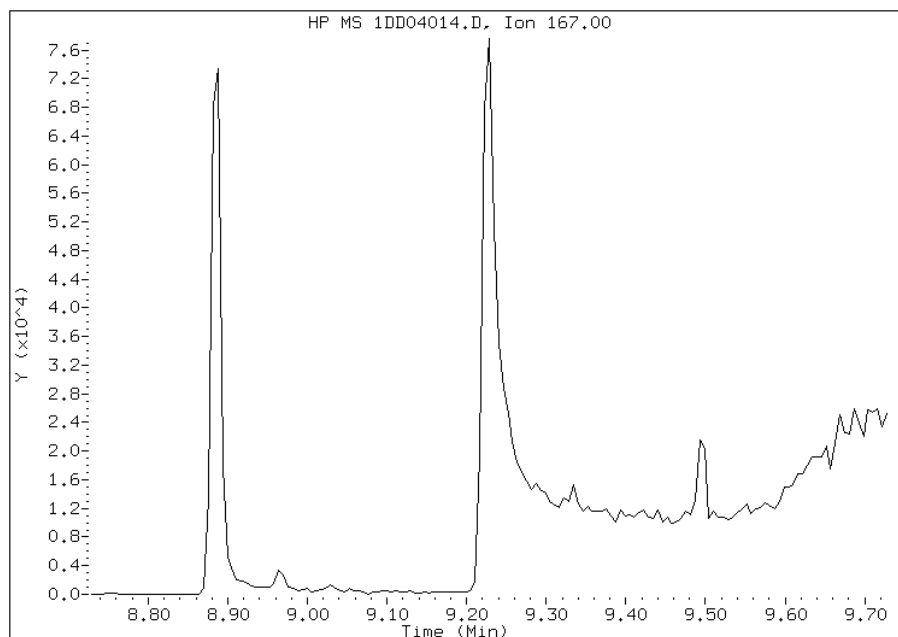
Processing Integration Results

RT: 9.23
Response: 136620
Amount: 1
Conc: 1



Manual Integration Results

RT: 9.23
Response: 1319041
Amount: 14
Conc: 14



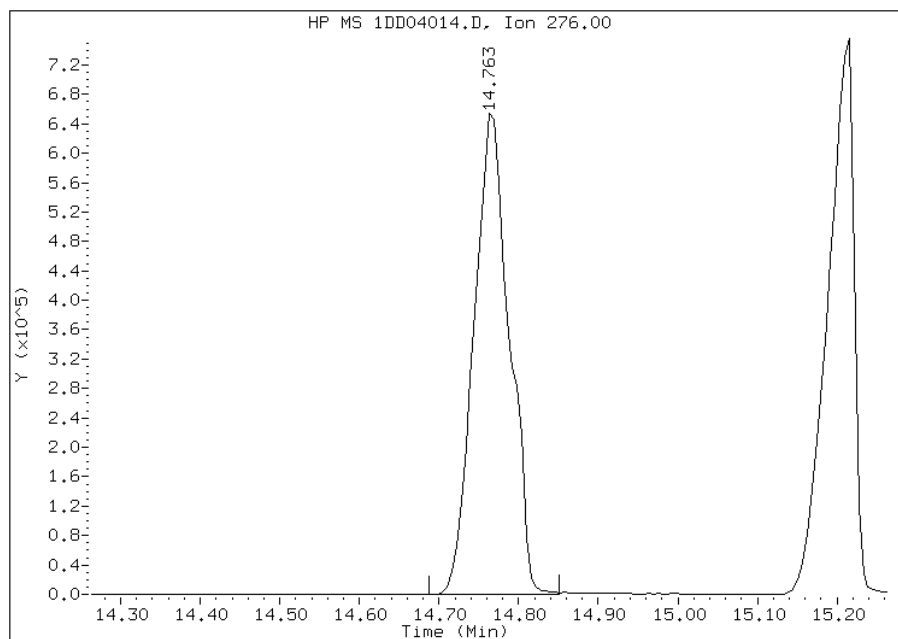
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 13:08
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DD04014.D
Inj. Date and Time: 04-APR-2013 16:27
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

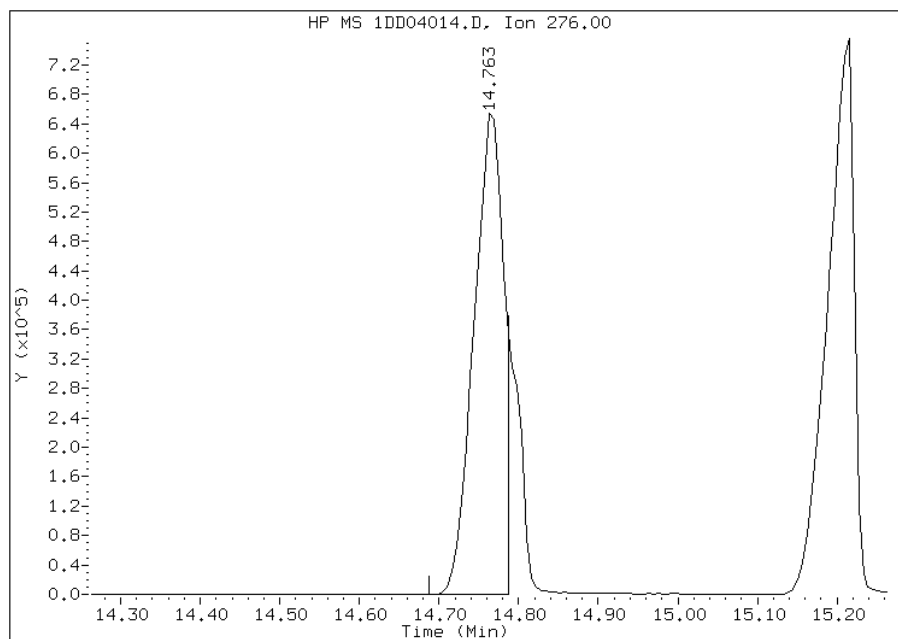
Processing Integration Results

RT: 14.76
Response: 2024721
Amount: 19
Conc: 19



Manual Integration Results

RT: 14.76
Response: 1694283
Amount: 16
Conc: 16



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 13:09
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Lab Sample ID: CCVIS 660-136371/4 Calibration Date: 04/11/2013 11:20
 Instrument ID: BSMD5973 Calib Start Date: 04/04/2013 13:49
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/04/2013 16:04
 Lab File ID: 1DD11004.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9942	0.9912	0.0000	19900	20000	-0.3	20.0
2-Methylnaphthalene	Ave	0.6418	0.6595	0.0000	20600	20000	2.8	20.0
1-Methylnaphthalene	Ave	0.6061	0.6269	0.0000	20700	20000	3.4	20.0
Acenaphthylene	Ave	1.693	1.709	0.0000	20200	20000	0.9	20.0
Acenaphthene	Ave	1.045	1.036	0.0000	19800	20000	-0.9	20.0
Fluorene	Ave	1.238	1.252	0.0000	20200	20000	1.2	20.0
Phenanthrene	Ave	1.102	1.069	0.0000	19400	20000	-3.0	20.0
Anthracene	Ave	1.094	1.087	0.0000	19900	20000	-0.6	20.0
Carbazole	Ave	0.9646	0.9360	0.0000	19400	20000	-3.0	20.0
Fluoranthene	Ave	1.134	1.162	0.0000	20500	20000	2.5	20.0
Pyrene	Ave	1.201	1.180	0.0000	19700	20000	-1.7	20.0
Benzo[a]anthracene	Ave	1.156	1.038	0.0000	18000	20000	-10.2	20.0
Chrysene	Ave	1.084	1.032	0.0000	19000	20000	-4.8	20.0
Benzo[b]fluoranthene	Ave	0.999	1.011	0.0000	20200	20000	1.2	20.0
Benzo[k]fluoranthene	Ave	1.053	1.056	0.0000	20100	20000	0.3	20.0
Benzo[a]pyrene	Ave	1.004	1.010	0.0000	20100	20000	0.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.071	1.069	0.0000	20000	20000	-0.2	20.0
Dibenz(a,h)anthracene	Ave	1.008	1.011	0.0000	20100	20000	0.3	20.0
Benzo[g,h,i]perylene	Ave	1.031	1.016	0.0000	19700	20000	-1.4	20.0
o-Terphenyl	Ave	0.6027	0.6224	0.0000	20700	20000	3.3	20.0

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11004.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 11-APR-2013 11:20
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dfASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.078	6.078	(1.000)	2567445	40.0000	
* 6 Acenaphthene-d10	164	7.752	7.752	(1.000)	1567812	40.0000	
* 9 Phenanthrene-d10	188	9.016	9.016	(1.000)	2682457	40.0000	
\$ 13 o-Terphenyl	230	9.327	9.327	(1.035)	834712	20.0000	21
* 17 Chrysene-d12	240	11.331	11.331	(1.000)	2805579	40.0000	
* 22 Perylene-d12	264	13.158	13.158	(1.000)	2830113	40.0000	
2 Naphthalene	128	6.096	6.096	(1.003)	1272370	20.0000	20
3 2-Methylnaphthalene	142	6.801	6.801	(1.119)	846572	20.0000	20
4 1-Methylnaphthalene	142	6.895	6.895	(1.134)	804760	20.0000	21
5 Acenaphthylene	152	7.623	7.623	(0.983)	1339467	20.0000	20
7 Acenaphthene	154	7.782	7.782	(1.004)	812197	20.0000	20
8 Fluorene	166	8.222	8.222	(1.061)	981323	20.0000	20
10 Phenanthrene	178	9.033	9.033	(1.002)	1433787	20.0000	19
11 Anthracene	178	9.074	9.074	(1.007)	1458017	20.0000	20
12 Carbazole	167	9.215	9.215	(1.022)	1255362	20.0000	19
14 Fluoranthene	202	10.014	10.014	(1.111)	1558514	20.0000	20
15 Pyrene	202	10.208	10.208	(0.901)	1655659	20.0000	20
16 Benzo(a)anthracene	228	11.313	11.313	(0.998)	1456194	20.0000	18
18 Chrysene	228	11.354	11.354	(1.002)	1448271	20.0000	19
19 Benzo(b)fluoranthene	252	12.611	12.611	(0.958)	1430596	20.0000	20
20 Benzo(k)fluoranthene	252	12.653	12.653	(0.962)	1494018	20.0000	20
21 Benzo(a)pyrene	252	13.064	13.064	(0.993)	1429772	20.0000	20
23 Indeno(1,2,3-cd)pyrene	276	14.744	14.744	(1.121)	1512212	20.0000	20(M)
24 Dibenzo(a,h)anthracene	278	14.779	14.779	(1.123)	1431111	20.0000	20
25 Benzo(g,h,i)perylene	276	15.191	15.191	(1.154)	1438108	20.0000	20

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD11004.D

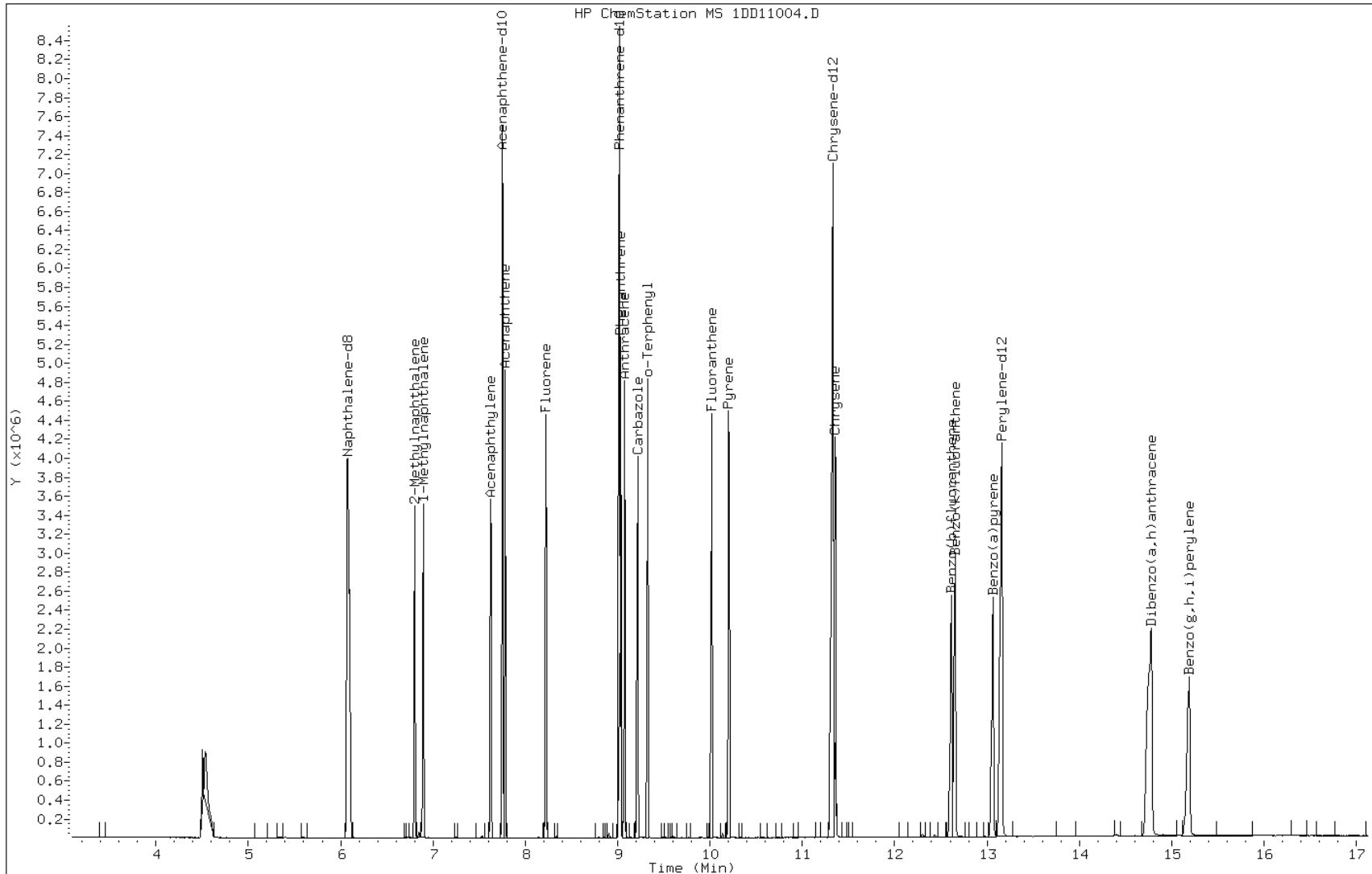
Date: 11-APR-2013 11:20

Client ID:

Instrument: BSMSD.i

Sample Info: CCVIS-1531401

Operator: SCC

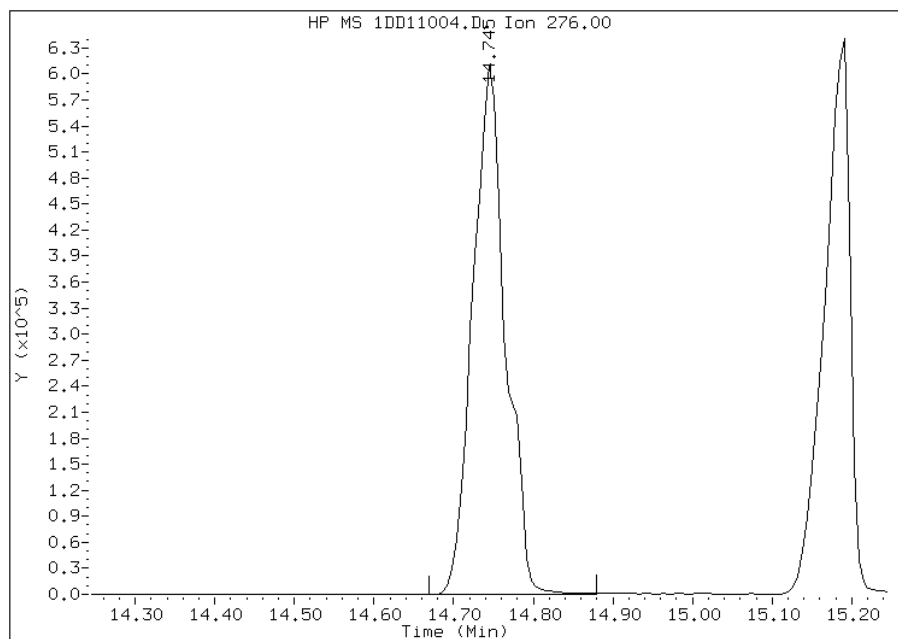


Manual Integration Report

Data File: 1DD11004.D
Inj. Date and Time: 11-APR-2013 11:20
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/11/2013

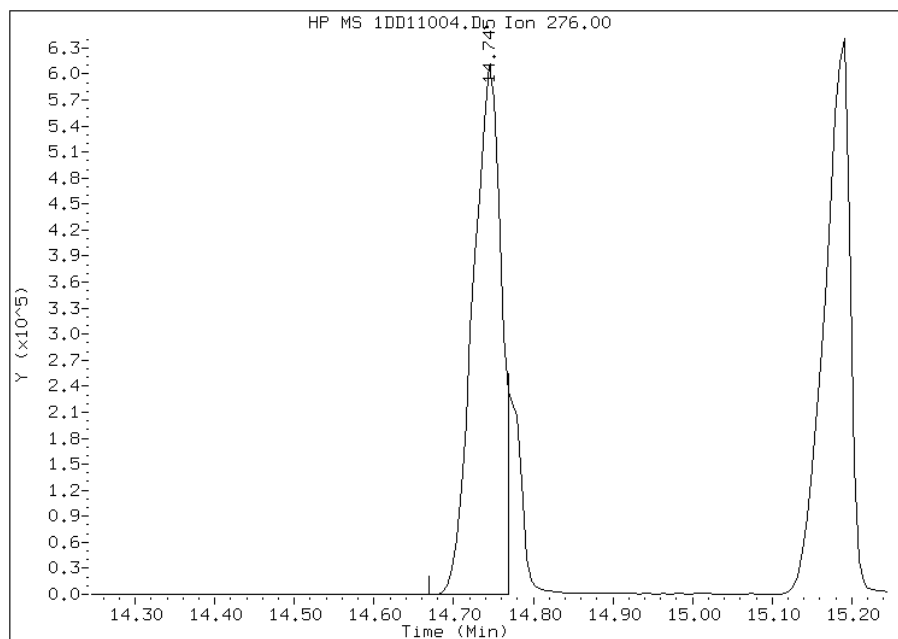
Processing Integration Results

RT: 14.74
Response: 1741216
Amount: 23
Conc: 23



Manual Integration Results

RT: 14.74
Response: 1512212
Amount: 20
Conc: 20



Manually Integrated By: cantins
Modification Date: 11-Apr-2013 11:41
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 11-APR-2013 11:38
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\c-dftpp198.m
 Meth Date : 04-Feb-2013 16:33 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO		
====	=====	=====	====	=====	=====	=====	=====		
1 dftpp					CAS #: 5074-71-5				
7.269	7.469	-0.200	198	54472		50.00- 0.00	100.00		
7.269	7.469	-0.200	51	21074		10.00- 80.00	38.69		
7.269	7.469	-0.200	68	353		0.00- 2.00	1.33		
7.269	7.469	-0.200	69	26600		0.00- 0.00	48.83		
7.269	7.469	-0.200	70	132		0.00- 2.00	0.50		
7.269	7.469	-0.200	127	25024		10.00- 80.00	45.94		
7.269	7.469	-0.200	197	448		0.00- 2.00	0.82		
7.269	7.469	-0.200	442	41796		50.00- 0.00	76.73		
7.269	7.469	-0.200	199	3165		5.00- 9.00	5.81		
7.269	7.469	-0.200	275	11356		10.00- 60.00	20.85		
7.269	7.469	-0.200	365	2771		1.00- 0.00	5.09		
7.269	7.469	-0.200	441	5680		0.01- 99.99	64.97		
7.269	7.469	-0.200	443	8743		15.00- 24.00	20.92		

Data File: 1CD11002.D

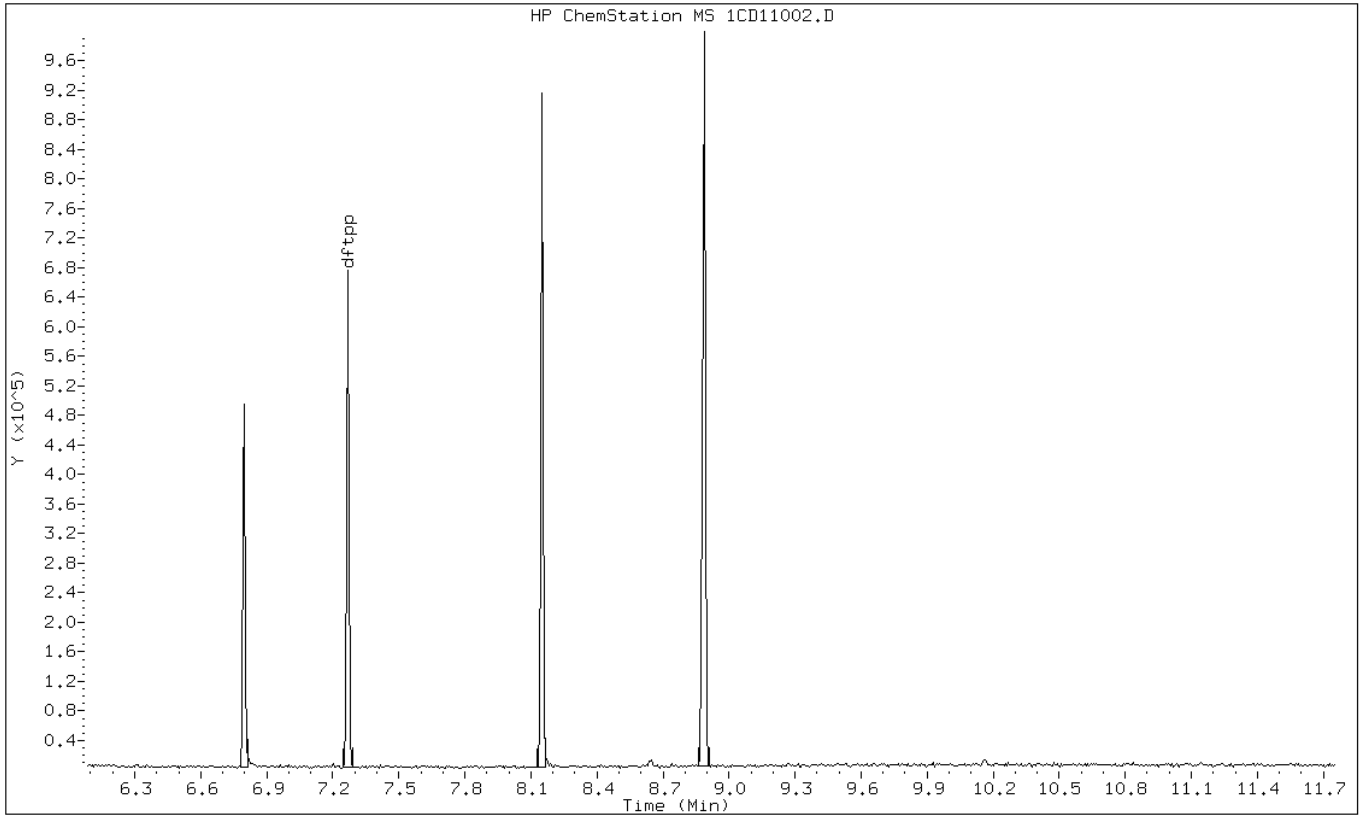
Date: 11-APR-2013 11:38

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD11002.D

Date: 11-APR-2013 11:38

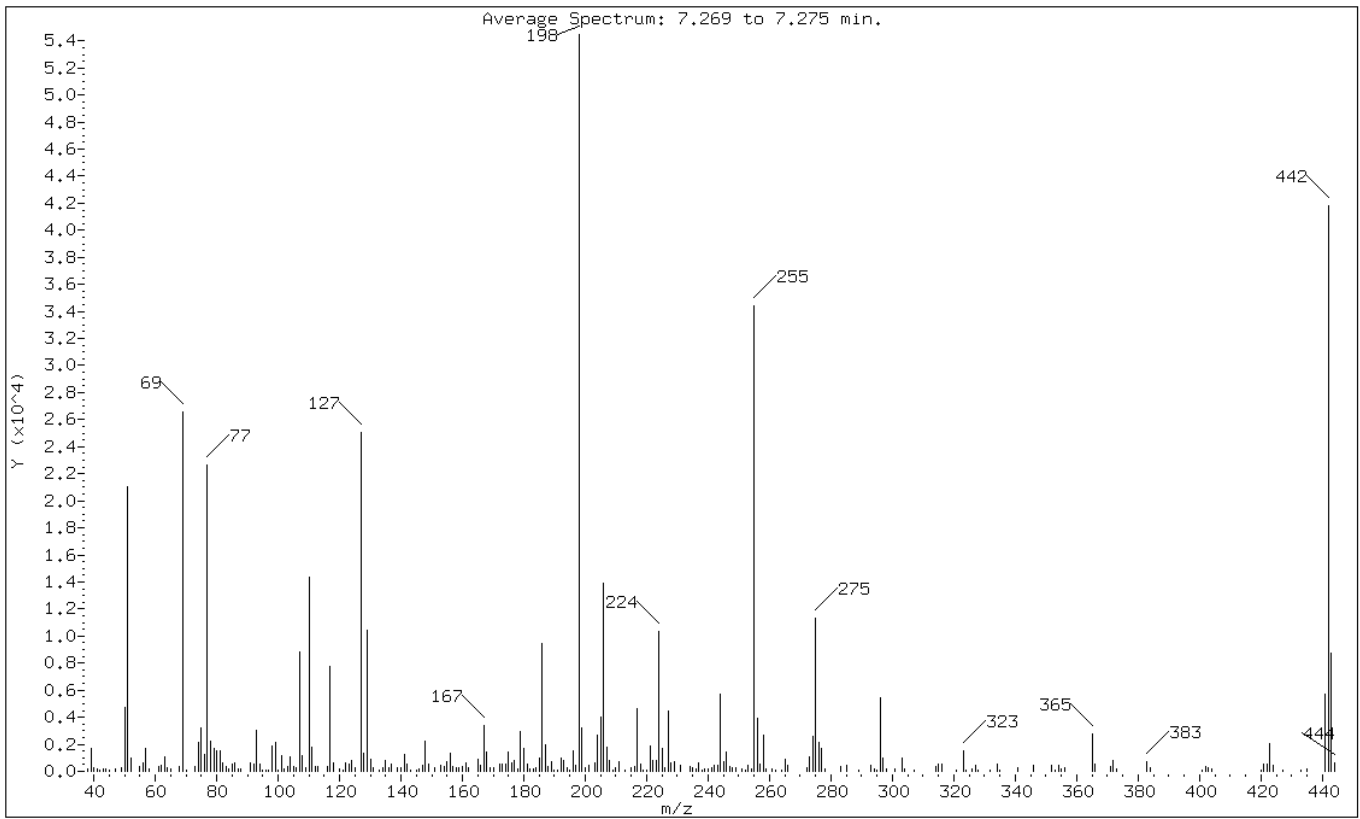
Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	38.69
68	Less than 2.00% of mass 69	0.65 (1.33)
69	Mass 69 relative abundance	48.83
70	Less than 2.00% of mass 69	0.24 (0.50)
127	10.00 - 80.00% of mass 198	45.94
197	Less than 2.00% of mass 198	0.82
442	Greater than 50.00% of mass 198	76.73
199	5.00 - 9.00% of mass 198	5.81
275	10.00 - 60.00% of mass 198	20.85
365	Greater than 1.00% of mass 198	5.09
441	Present, but less than mass 443	10.43
443	15.00 - 24.00% of mass 442	16.05 (20.92)

Data File: 1CD11002.D

Date: 11-APR-2013 11:38

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C041113.b\1CD11002.D

Spectrum: Average Spectrum: 7.269 to 7.275 min.

Location of Maximum: 198.00

Number of points: 258

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	141	117.00	7792	192.00	941	266.00	463
39.00	1700	118.00	633	193.00	768	272.00	261
40.00	309	120.00	172	194.00	248	273.00	1086
41.00	212	121.00	81	195.00	118	274.00	2545
42.00	101	122.00	618	196.00	1486	275.00	11356
43.00	189	123.00	527	197.00	448	276.00	2162
44.00	218	124.00	760	198.00	54472	277.00	1668
45.00	75	125.00	297	199.00	3165	278.00	173
47.00	138	127.00	25024	200.00	261	283.00	397
49.00	296	128.00	1379	201.00	429	285.00	405
50.00	4728	129.00	10387	203.00	647	289.00	86
51.00	21072	130.00	905	204.00	2694	293.00	463
52.00	978	131.00	241	205.00	4012	294.00	163
55.00	372	133.00	76	206.00	13898	295.00	117
56.00	660	134.00	248	207.00	1801	296.00	5458
57.00	1715	135.00	839	208.00	802	297.00	985
58.00	143	136.00	263	209.00	108	298.00	186
61.00	354	137.00	547	210.00	311	301.00	140
62.00	440	139.00	248	211.00	692	303.00	973
63.00	1027	140.00	294	213.00	120	304.00	144
64.00	238	141.00	1264	215.00	302	307.00	75
65.00	219	142.00	522	216.00	382	314.00	371
68.00	353	143.00	119	217.00	4620	315.00	576
69.00	26600	145.00	86	218.00	501	316.00	571
70.00	132	146.00	154	219.00	78	321.00	122
73.00	387	147.00	484	220.00	83	323.00	1548
74.00	2154	148.00	2234	221.00	1909	324.00	106
75.00	3222	149.00	536	222.00	834	326.00	171
76.00	1231	151.00	277	223.00	833	327.00	475
77.00	22680	153.00	451	224.00	10305	328.00	129
78.00	2251	154.00	375	225.00	1699	332.00	90
79.00	1660	155.00	715	226.00	238	334.00	515
80.00	1523	156.00	1323	227.00	4427	335.00	88
81.00	1506	157.00	341	228.00	659	341.00	287
82.00	620	158.00	298	229.00	722	346.00	477
83.00	331	159.00	250	231.00	478	352.00	473
84.00	218	160.00	328	234.00	330	353.00	129
85.00	517	161.00	632	235.00	268	354.00	476
86.00	662	162.00	296	236.00	196	355.00	177
87.00	149	165.00	863	237.00	643	356.00	231

88.00	168	166.00	456	238.00	130	365.00	2771
91.00	638	167.00	3403	239.00	186	366.00	577
92.00	550	168.00	1471	240.00	203	371.00	326
93.00	3050	169.00	283	241.00	259	372.00	767
94.00	543	170.00	226	242.00	421	373.00	136
+-----+-----+-----+-----+-----+-----+-----+-----+							
95.00	78	172.00	552	243.00	420	383.00	710
96.00	80	173.00	512	244.00	5690	384.00	290
97.00	97	174.00	492	245.00	728	401.00	123
98.00	1840	175.00	1453	246.00	1454	402.00	322
99.00	2133	176.00	612	247.00	328	403.00	283
+-----+-----+-----+-----+-----+-----+-----+-----+							
100.00	97	177.00	818	248.00	255	404.00	187
101.00	1184	178.00	192	249.00	296	420.00	101
102.00	161	179.00	2908	251.00	152	421.00	556
103.00	325	180.00	1670	252.00	78	422.00	509
104.00	1088	181.00	547	253.00	422	423.00	2034
+-----+-----+-----+-----+-----+-----+-----+-----+							
105.00	339	182.00	219	254.00	220	424.00	428
106.00	305	183.00	208	255.00	34392	427.00	77
107.00	8863	184.00	269	256.00	3905	433.00	77
108.00	1145	185.00	954	257.00	538	435.00	142
109.00	309	186.00	9451	258.00	2671	441.00	5680
+-----+-----+-----+-----+-----+-----+-----+-----+							
110.00	14323	187.00	1971	259.00	192	442.00	41792
111.00	1814	188.00	326	261.00	196	443.00	8743
112.00	372	189.00	673	262.00	109	444.00	645
113.00	319	190.00	129	264.00	98		
116.00	324	191.00	101	265.00	936		
+-----+-----+-----+-----+-----+-----+-----+-----+							

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 12-APR-2013 11:24
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\c-dftpp198.m
 Meth Date : 04-Feb-2013 16:33 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO		
====	=====	=====	====	=====	=====	=====	=====		
1 dftpp					CAS #: 5074-71-5				
7.263	7.469	-0.206	198	50028		50.00- 0.00	100.00		
7.263	7.469	-0.206	51	24452		10.00- 80.00	48.88		
7.263	7.469	-0.206	68	120		0.00- 2.00	0.46		
7.263	7.469	-0.206	69	26336		0.00- 0.00	52.64		
7.263	7.469	-0.206	70	342		0.00- 2.00	1.30		
7.263	7.469	-0.206	127	24724		10.00- 80.00	49.42		
7.263	7.469	-0.206	197	0	0.0	0.0	0.00- 2.00	0.00	
7.263	7.469	-0.206	442	36700		50.00- 0.00	73.36		
7.263	7.469	-0.206	199	3620		5.00- 9.00	7.24		
7.263	7.469	-0.206	275	10374		10.00- 60.00	20.74		
7.263	7.469	-0.206	365	1853		1.00- 0.00	3.70		
7.263	7.469	-0.206	441	5596		0.01- 99.99	73.07		
7.263	7.469	-0.206	443	7658		15.00- 24.00	20.87		

Data File: 1CD12002.D

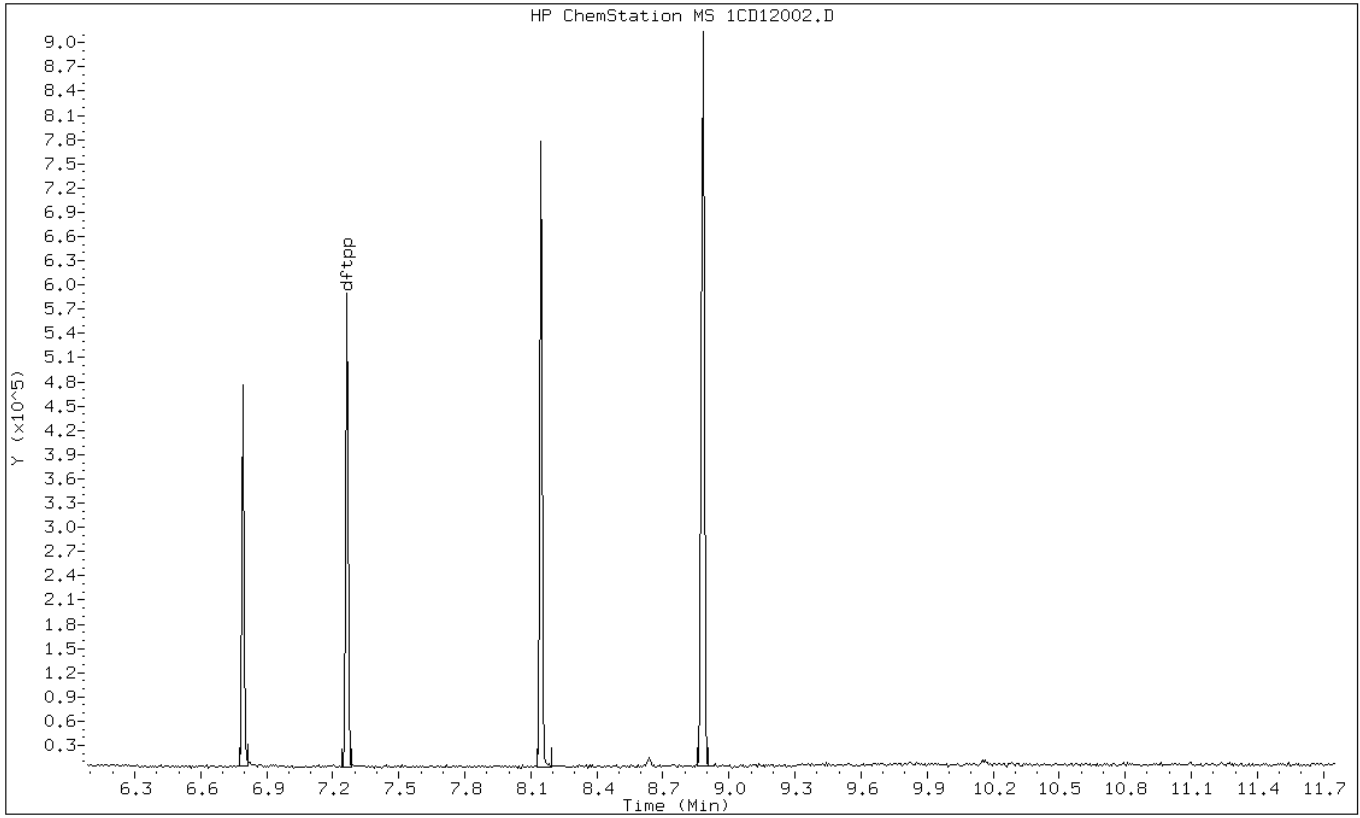
Date: 12-APR-2013 11:24

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD12002.D

Date: 12-APR-2013 11:24

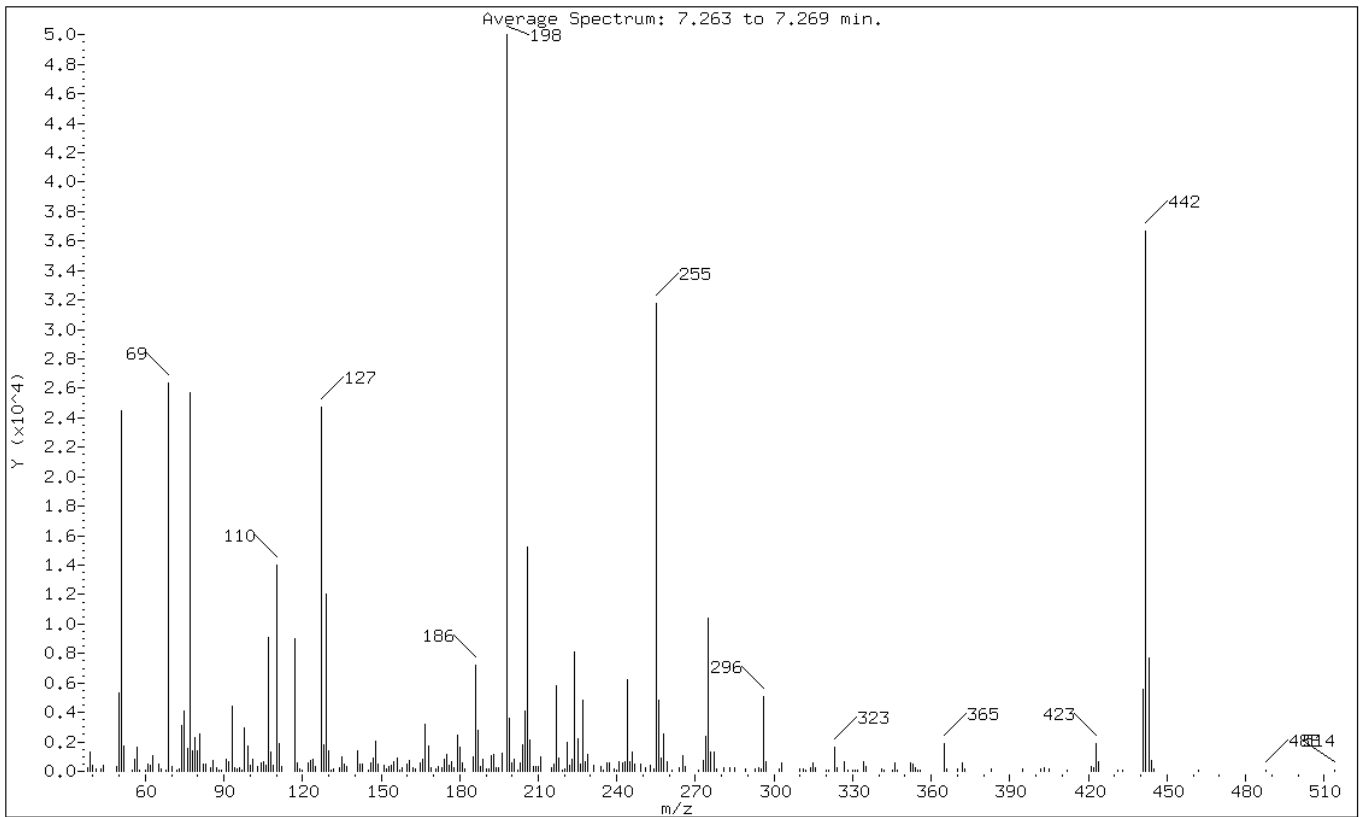
Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	48.88
68	Less than 2.00% of mass 69	0.24 (0.46)
69	Mass 69 relative abundance	52.64
70	Less than 2.00% of mass 69	0.68 (1.30)
127	10.00 - 80.00% of mass 198	49.42
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	73.36
199	5.00 - 9.00% of mass 198	7.24
275	10.00 - 60.00% of mass 198	20.74
365	Greater than 1.00% of mass 198	3.70
441	Present, but less than mass 443	11.19
443	15.00 - 24.00% of mass 442	15.31 (20.87)

Data File: 1CD12002.D

Date: 12-APR-2013 11:24

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12002.D

Spectrum: Average Spectrum: 7.263 to 7.269 min.

Location of Maximum: 198.00

Number of points: 254

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	235	120.00	77	198.00	50024	283.00	251
39.00	1289	122.00	607	199.00	3620	285.00	285
40.00	394	123.00	702	200.00	545	289.00	193
41.00	132	124.00	829	201.00	823	293.00	135
43.00	124	125.00	338	202.00	84	294.00	250
44.00	424	127.00	24720	203.00	601	295.00	180
49.00	301	128.00	1802	204.00	1804	296.00	5041
50.00	5307	129.00	12073	205.00	4092	297.00	685
51.00	24448	130.00	1401	206.00	15230	302.00	177
52.00	1745	131.00	101	207.00	2109	303.00	574
55.00	77	132.00	175	208.00	313	310.00	148
56.00	822	134.00	226	209.00	290	311.00	147
57.00	1622	135.00	1018	210.00	312	312.00	89
58.00	86	136.00	494	211.00	991	314.00	230
60.00	115	137.00	324	215.00	236	315.00	579
61.00	482	141.00	1371	216.00	503	316.00	285
62.00	394	142.00	484	217.00	5796	320.00	82
63.00	1043	143.00	460	218.00	883	321.00	106
65.00	466	145.00	102	219.00	109	323.00	1678
66.00	136	146.00	569	220.00	191	324.00	259
68.00	120	147.00	871	221.00	1952	327.00	628
69.00	26336	148.00	2013	222.00	441	328.00	114
70.00	342	149.00	456	223.00	848	330.00	104
72.00	79	151.00	407	224.00	8091	331.00	115
73.00	182	152.00	134	225.00	2211	332.00	88
74.00	3131	153.00	349	226.00	463	334.00	652
75.00	4054	154.00	374	227.00	4850	335.00	312
76.00	1549	155.00	672	228.00	637	341.00	152
77.00	25728	156.00	881	229.00	1145	342.00	85
78.00	1366	157.00	80	231.00	407	345.00	106
79.00	2290	158.00	211	234.00	364	346.00	541
80.00	1384	160.00	498	235.00	120	347.00	76
81.00	2542	161.00	772	236.00	549	352.00	598
82.00	477	162.00	221	237.00	580	353.00	461
83.00	527	163.00	146	239.00	129	354.00	267
85.00	254	165.00	613	240.00	89	355.00	86
86.00	762	166.00	801	241.00	630	356.00	81
87.00	215	167.00	3179	242.00	566	365.00	1853
88.00	81	168.00	1712	243.00	640	366.00	197
89.00	92	169.00	248	244.00	6187	370.00	187

91.00	787	171.00	152	245.00	663	372.00	587
92.00	624	172.00	338	246.00	1317	373.00	127
93.00	4447	173.00	269	247.00	528	383.00	180
94.00	280	174.00	785	249.00	520	395.00	136
95.00	198	175.00	1112	251.00	228	402.00	194
+-----+-----+-----+-----+-----+-----+-----+-----+							
96.00	258	176.00	396	253.00	381	403.00	214
97.00	103	177.00	688	254.00	194	405.00	127
98.00	2943	178.00	215	255.00	31776	412.00	80
99.00	1721	179.00	2472	256.00	4792	421.00	367
100.00	389	180.00	1624	257.00	870	422.00	284
+-----+-----+-----+-----+-----+-----+-----+-----+							
101.00	822	181.00	589	258.00	2517	423.00	1849
103.00	314	182.00	168	259.00	640	424.00	616
104.00	556	185.00	998	261.00	117	431.00	90
105.00	682	186.00	7165	264.00	229	433.00	75
106.00	403	187.00	2774	265.00	1026	441.00	5596
+-----+-----+-----+-----+-----+-----+-----+-----+							
107.00	9101	188.00	353	266.00	362	442.00	36696
108.00	1276	189.00	824	271.00	110	443.00	7658
109.00	428	190.00	178	273.00	703	444.00	697
110.00	14021	191.00	181	274.00	2363	445.00	149
111.00	1896	192.00	1032	275.00	10374	462.00	79
+-----+-----+-----+-----+-----+-----+-----+-----+							
112.00	353	193.00	1129	276.00	1340	488.00	82
117.00	9035	194.00	243	277.00	1283	514.00	78
118.00	601	195.00	251	278.00	190		
119.00	151	196.00	1248	281.00	233		
+-----+-----+-----+-----+-----+-----+-----+-----+							

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04003.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 04-APR-2013 12:15
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\d-dftpp198.m
 Meth Date : 08-Jan-2013 12:23 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
====	=====	=====	====	=====	=====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5				
8.382	8.532	-0.150	198	72572			50.00-	0.00	100.00
8.382	8.532	-0.150	51	32556			10.00-	80.00	44.86
8.382	8.532	-0.150	68	0	0.0	0.0	0.00-	2.00	0.00
8.382	8.532	-0.150	69	32936			0.00-	0.00	45.38
8.382	8.532	-0.150	70	114			0.00-	2.00	0.35
8.382	8.532	-0.150	127	36680			10.00-	80.00	50.54
8.382	8.532	-0.150	197	0	0.0	0.0	0.00-	2.00	0.00
8.382	8.532	-0.150	442	48716			50.00-	0.00	67.13
8.382	8.532	-0.150	199	4977			5.00-	9.00	6.86
8.382	8.532	-0.150	275	19350			10.00-	60.00	26.66
8.382	8.532	-0.150	365	2279			1.00-	0.00	3.14
8.382	8.532	-0.150	441	2370			0.01-	99.99	23.58
8.382	8.532	-0.150	443	10052			15.00-	24.00	20.63

Data File: 1DD04003.D

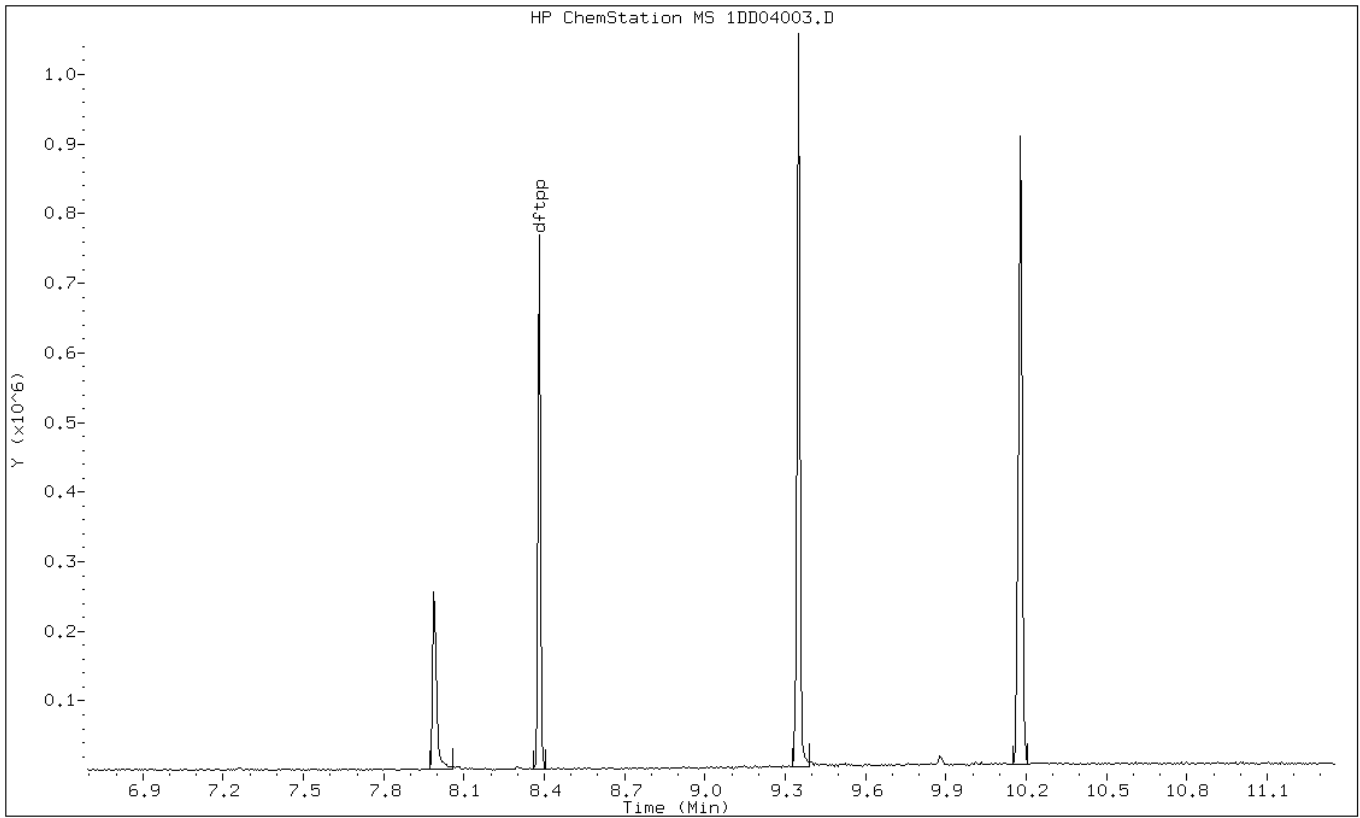
Date: 04-APR-2013 12:15

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1DD04003.D

Date: 04-APR-2013 12:15

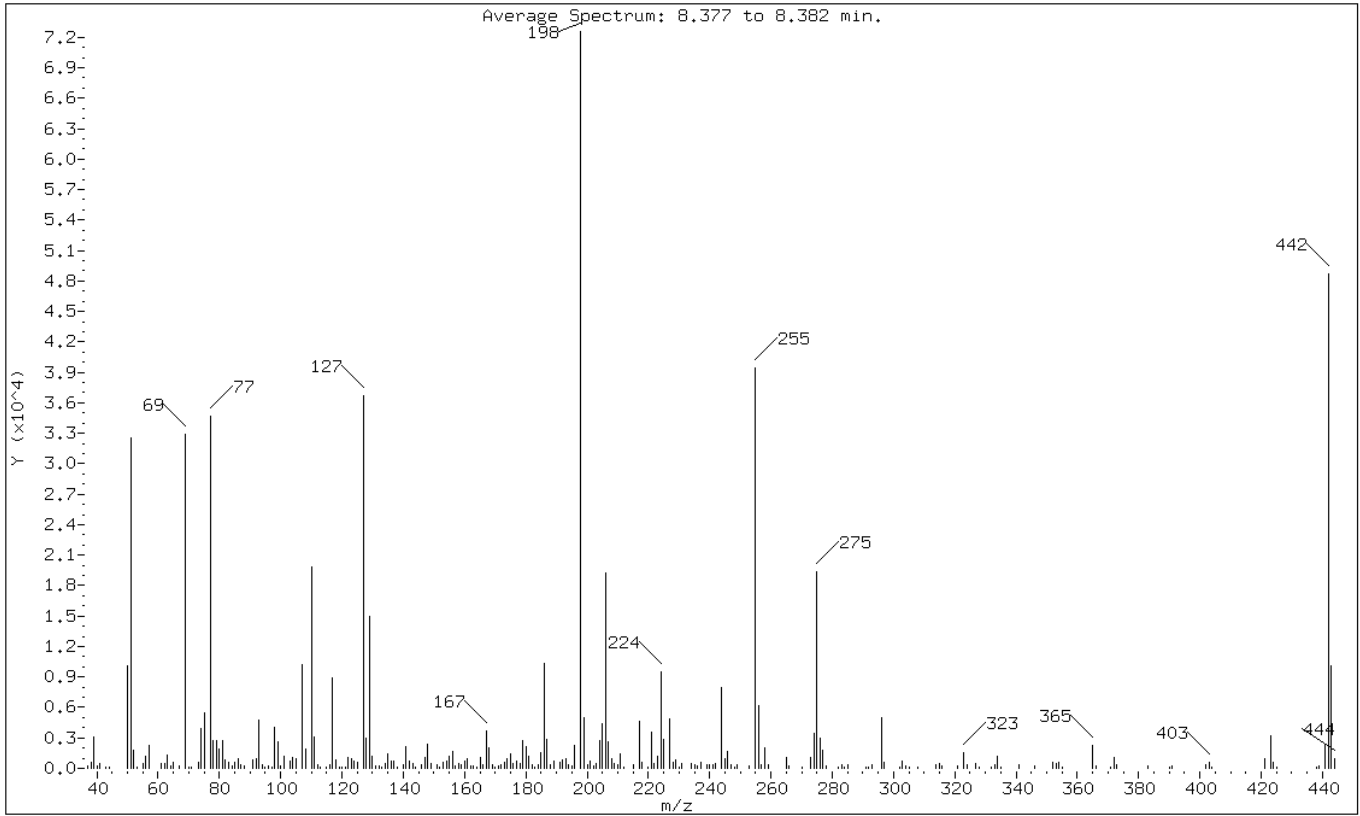
Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	44.86
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	45.38
70	Less than 2.00% of mass 69	0.16 (0.35)
127	10.00 - 80.00% of mass 198	50.54
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	67.13
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 60.00% of mass 198	26.66
365	Greater than 1.00% of mass 198	3.14
441	Present, but less than mass 443	3.27
443	15.00 - 24.00% of mass 442	13.85 (20.63)

Data File: 1DD04003.D

Date: 04-APR-2013 12:15

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04003.D

Spectrum: Average Spectrum: 8.377 to 8.382 min.

Location of Maximum: 198.00

Number of points: 246

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	274	119.00	120	185.00	1517	270.00	78
38.00	589	120.00	118	186.00	10284	273.00	1081
39.00	3038	121.00	77	187.00	2888	274.00	3485
40.00	277	122.00	1015	188.00	332	275.00	19344
41.00	463	123.00	946	189.00	735	276.00	2999
43.00	124	124.00	666	191.00	579	277.00	1839
44.00	117	125.00	567	192.00	873	278.00	226
50.00	10128	127.00	36680	193.00	975	282.00	81
51.00	32552	128.00	2957	194.00	335	283.00	314
52.00	1767	129.00	14951	195.00	275	284.00	90
53.00	85	130.00	1205	196.00	2233	285.00	356
55.00	420	131.00	194	198.00	72568	291.00	83
56.00	1176	132.00	206	199.00	4977	292.00	80
57.00	2213	133.00	92	200.00	323	293.00	412
61.00	490	134.00	523	201.00	663	296.00	5046
62.00	459	135.00	1404	202.00	210	297.00	576
63.00	1290	136.00	674	203.00	519	302.00	157
64.00	230	137.00	709	204.00	2685	303.00	675
65.00	539	138.00	79	205.00	4398	304.00	185
67.00	251	140.00	333	206.00	19200	305.00	82
69.00	32936	141.00	2082	207.00	2631	308.00	174
70.00	114	142.00	713	208.00	974	314.00	314
71.00	81	143.00	523	209.00	499	315.00	487
73.00	647	144.00	93	210.00	329	316.00	223
74.00	3962	146.00	312	211.00	1393	321.00	206
75.00	5478	147.00	1032	212.00	165	323.00	1494
77.00	34688	148.00	2326	215.00	308	324.00	410
78.00	2711	149.00	488	217.00	4596	327.00	476
79.00	2695	151.00	320	218.00	606	328.00	99
80.00	1923	152.00	103	220.00	76	332.00	111
81.00	2677	153.00	558	221.00	3596	333.00	396
82.00	777	154.00	665	222.00	431	334.00	1163
83.00	630	155.00	1227	223.00	1208	335.00	119
84.00	185	156.00	1628	224.00	9447	341.00	297
85.00	566	157.00	240	225.00	2804	346.00	197
86.00	895	158.00	430	227.00	4861	352.00	557
87.00	384	159.00	320	228.00	637	353.00	477
88.00	184	160.00	765	229.00	843	354.00	558
91.00	856	161.00	1005	230.00	115	355.00	81
92.00	893	162.00	279	231.00	446	365.00	2279

93.00	4736	163.00	190	234.00	485	366.00	181
94.00	298	164.00	105	235.00	402	371.00	117
95.00	167	165.00	1019	236.00	243	372.00	1076
96.00	240	166.00	344	237.00	537	373.00	335
97.00	178	167.00	3671	239.00	320	383.00	219
+-----+							
98.00	4066	168.00	1997	240.00	333	390.00	136
99.00	2655	169.00	349	241.00	361	391.00	180
100.00	295	170.00	112	242.00	472	402.00	362
101.00	1142	171.00	208	244.00	7939	403.00	564
103.00	719	172.00	342	245.00	988	404.00	144
+-----+							
104.00	1122	173.00	643	246.00	1619	421.00	961
105.00	909	174.00	893	247.00	381	423.00	3222
107.00	10195	175.00	1368	248.00	80	424.00	628
108.00	1940	176.00	519	249.00	382	425.00	87
110.00	19784	177.00	713	253.00	265	438.00	129
+-----+							
111.00	3136	178.00	422	255.00	39432	439.00	214
112.00	374	179.00	2728	256.00	6151	441.00	2370
113.00	128	180.00	2151	257.00	340	442.00	48712
115.00	153	181.00	1200	258.00	2068	443.00	10052
116.00	393	182.00	314	259.00	399	444.00	994
+-----+							
117.00	8897	183.00	98	265.00	1086		
118.00	800	184.00	382	266.00	282		
+-----+							

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11003.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 11-APR-2013 11:00
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\d-dftpp198.m
 Meth Date : 08-Jan-2013 12:23 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET	RANGE	RATIO	
====	=====	=====	====	=====	=====	=====	=====	=====	
1 dftpp					CAS #: 5074-71-5				
8.370	8.532	-0.162	198	59500		50.00-	0.00	100.00	
8.370	8.532	-0.162	51	28604		10.00-	80.00	48.07	
8.370	8.532	-0.162	68	0	0.0	0.00-	2.00	0.00	
8.370	8.532	-0.162	69	29416		0.00-	0.00	49.44	
8.370	8.532	-0.162	70	0	0.0	0.00-	2.00	0.00	
8.370	8.532	-0.162	127	30380		10.00-	80.00	51.06	
8.370	8.532	-0.162	197	0	0.0	0.00-	2.00	0.00	
8.370	8.532	-0.162	442	39716		50.00-	0.00	66.75	
8.370	8.532	-0.162	199	4158		5.00-	9.00	6.99	
8.370	8.532	-0.162	275	15824		10.00-	60.00	26.59	
8.370	8.532	-0.162	365	2189		1.00-	0.00	3.68	
8.370	8.532	-0.162	441	1359		0.01-	99.99	17.23	
8.370	8.532	-0.162	443	7887		15.00-	24.00	19.86	

Data File: 1DD11003.D

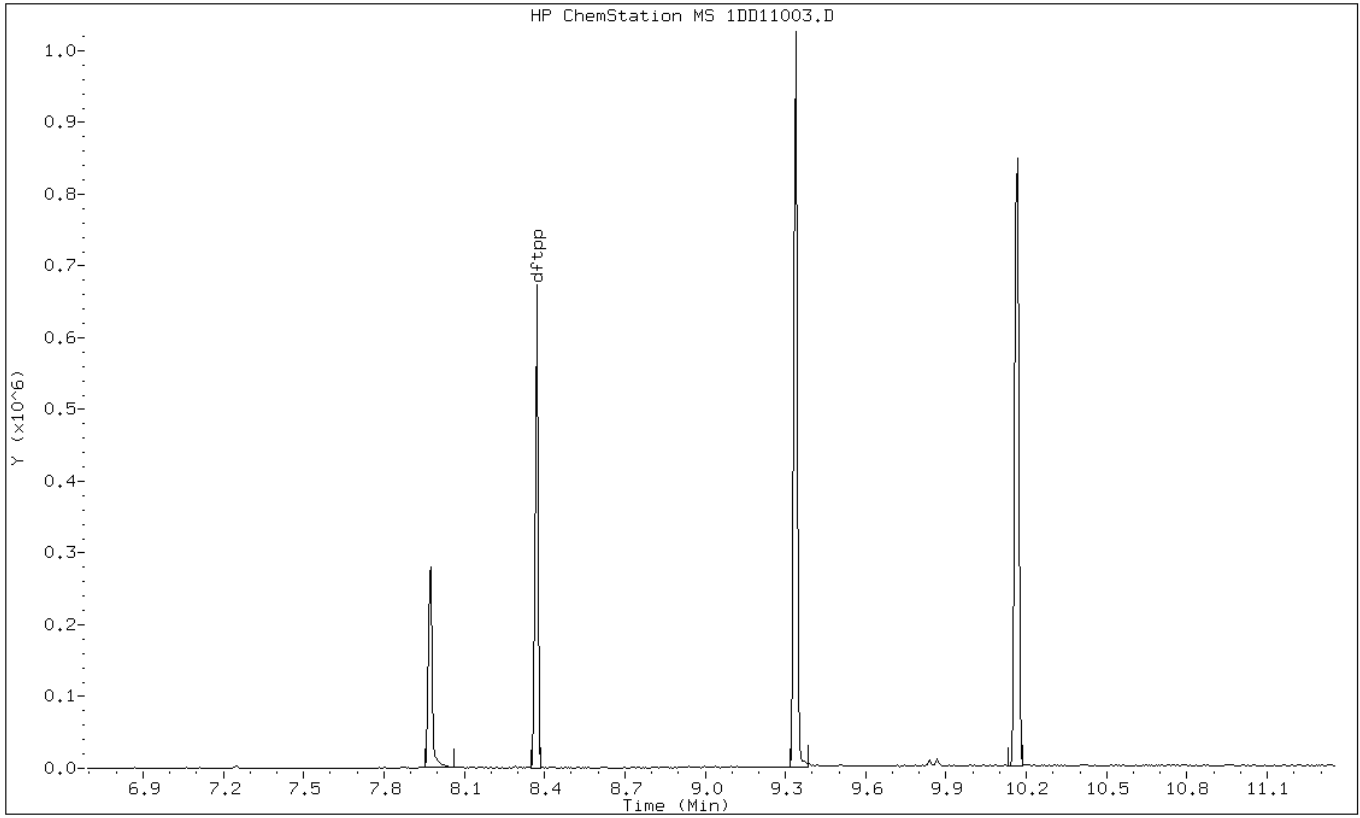
Date: 11-APR-2013 11:00

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1DD11003.D

Date: 11-APR-2013 11:00

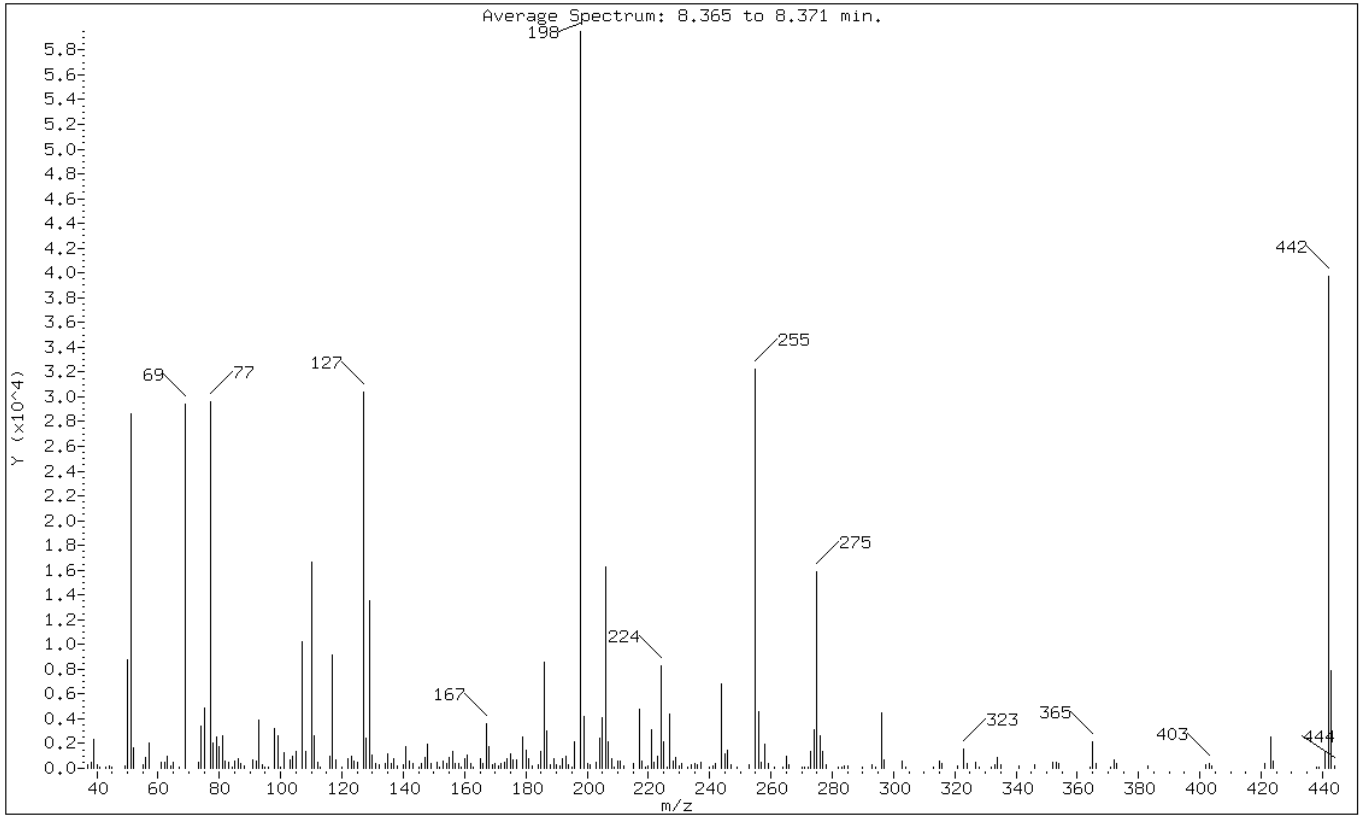
Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	48.07
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	49.44
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	51.06
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	66.75
199	5.00 - 9.00% of mass 198	6.99
275	10.00 - 60.00% of mass 198	26.59
365	Greater than 1.00% of mass 198	3.68
441	Present, but less than mass 443	2.28
443	15.00 - 24.00% of mass 442	13.26 (19.86)

Data File: 1DD11003.D

Date: 11-APR-2013 11:00

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsrv\chem\SM\BSMSD.i\1D041113.b\1DD11003.D

Spectrum: Average Spectrum: 8.365 to 8.371 min.

Location of Maximum: 198.00

Number of points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	266	122.00	748	190.00	259	270.00	81
38.00	486	123.00	976	191.00	233	271.00	119
39.00	2317	124.00	548	192.00	822	272.00	85
40.00	244	125.00	480	193.00	936	273.00	1329
41.00	110	127.00	30376	194.00	259	274.00	3159
43.00	102	128.00	2432	195.00	130	275.00	15824
44.00	203	129.00	13505	196.00	2134	276.00	2584
45.00	80	130.00	1110	198.00	59496	277.00	1353
49.00	239	131.00	381	199.00	4158	278.00	275
50.00	8756	132.00	325	200.00	364	282.00	88
51.00	28600	134.00	359	201.00	292	283.00	106
52.00	1694	135.00	1176	203.00	457	284.00	163
55.00	320	136.00	378	204.00	2436	285.00	239
56.00	828	137.00	792	205.00	4133	290.00	100
57.00	2027	138.00	218	206.00	16242	293.00	256
61.00	449	140.00	298	207.00	2186	294.00	86
62.00	455	141.00	1768	208.00	750	296.00	4469
63.00	1021	142.00	562	209.00	92	297.00	664
64.00	234	143.00	423	210.00	542	303.00	598
65.00	494	145.00	94	211.00	577	304.00	85
67.00	112	146.00	436	212.00	233	313.00	77
69.00	29416	147.00	919	215.00	362	315.00	559
73.00	441	148.00	1974	217.00	4752	316.00	343
74.00	3410	149.00	401	218.00	549	321.00	167
75.00	4828	151.00	448	219.00	109	323.00	1583
77.00	29632	152.00	77	220.00	161	324.00	346
78.00	2038	153.00	563	221.00	3128	327.00	456
79.00	2497	154.00	365	222.00	511	328.00	108
80.00	1798	155.00	897	223.00	949	332.00	95
81.00	2641	156.00	1400	224.00	8244	333.00	264
82.00	621	157.00	403	225.00	2153	334.00	844
83.00	512	158.00	428	226.00	146	335.00	275
84.00	103	159.00	126	227.00	4354	341.00	166
85.00	577	160.00	827	228.00	616	346.00	299
86.00	793	161.00	1050	229.00	888	352.00	512
87.00	425	162.00	350	230.00	188	353.00	530
88.00	207	163.00	116	231.00	410	354.00	403
91.00	665	165.00	811	233.00	108	364.00	87
92.00	555	166.00	398	234.00	286	365.00	2189
93.00	3858	167.00	3574	235.00	425	366.00	391

94.00	329	168.00	1729	236.00	282	371.00	90
95.00	80	169.00	322	237.00	455	372.00	664
96.00	97	170.00	357	240.00	95	373.00	381
98.00	3173	171.00	171	241.00	197	383.00	240
99.00	2642	172.00	341	242.00	402	402.00	337
100.00	117	173.00	528	244.00	6777	403.00	414
101.00	1258	174.00	797	245.00	1129	404.00	149
103.00	636	175.00	1215	246.00	1487	421.00	433
104.00	949	176.00	673	247.00	263	423.00	2561
105.00	1317	177.00	650	249.00	96	424.00	584
107.00	10256	179.00	2541	253.00	265	438.00	79
108.00	1351	180.00	1449	255.00	32200	439.00	86
110.00	16624	181.00	796	256.00	4589	441.00	1359
111.00	2645	182.00	162	257.00	504	442.00	39712
112.00	470	184.00	280	258.00	1954	443.00	7887
113.00	77	185.00	1323	259.00	412	444.00	155
116.00	958	186.00	8532	261.00	82		
117.00	9199	187.00	3002	264.00	139		
118.00	719	188.00	336	265.00	970		
120.00	137	189.00	814	266.00	292		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 660-136277/1-A
 Matrix: Solid Lab File ID: 1DD11023.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.46(g) Date Analyzed: 04/11/2013 19:23
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136371 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	97	U	97	19
208-96-8	Acenaphthylene	39	U	39	4.9
120-12-7	Anthracene	8.2	U	8.2	4.1
56-55-3	Benzo[a]anthracene	7.8	U	7.8	3.8
50-32-8	Benzo[a]pyrene	10	U	10	5.0
205-99-2	Benzo[b]fluoranthene	12	U	12	5.9
191-24-2	Benzo[g,h,i]perylene	19	U	19	4.3
207-08-9	Benzo[k]fluoranthene	7.8	U	7.8	3.5
218-01-9	Chrysene	8.7	U	8.7	4.4
53-70-3	Dibenz(a,h)anthracene	19	U	19	4.0
206-44-0	Fluoranthene	19	U	19	3.9
86-73-7	Fluorene	19	U	19	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	19	U	19	6.9
90-12-0	1-Methylnaphthalene	39	U	39	4.3
91-57-6	2-Methylnaphthalene	39	U	39	6.9
91-20-3	Naphthalene	39	U	39	4.3
85-01-8	Phenanthrene	7.8	U	7.8	3.8
129-00-0	Pyrene	19	U	19	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	64		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11023.D
 Lab Smp Id: MB 660-136277/1-A
 Inj Date : 11-APR-2013 19:23
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : MB 660-136277/1-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dFASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 22 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.460	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.072	6.078	(1.000)	2894138	40.0000	
* 6 Acenaphthene-d10	164		7.752	7.752	(1.000)	1819394	40.0000	
* 9 Phenanthrene-d10	188		9.015	9.016	(1.000)	3081724	40.0000	
\$ 13 o-Terphenyl	230		9.321	9.327	(1.034)	298681	6.43245	420
* 17 Chrysene-d12	240		11.324	11.331	(1.000)	3147627	40.0000	
* 22 Perylene-d12	264		13.158	13.158	(1.000)	3207923	40.0000	

Data File: 1DD11023.D

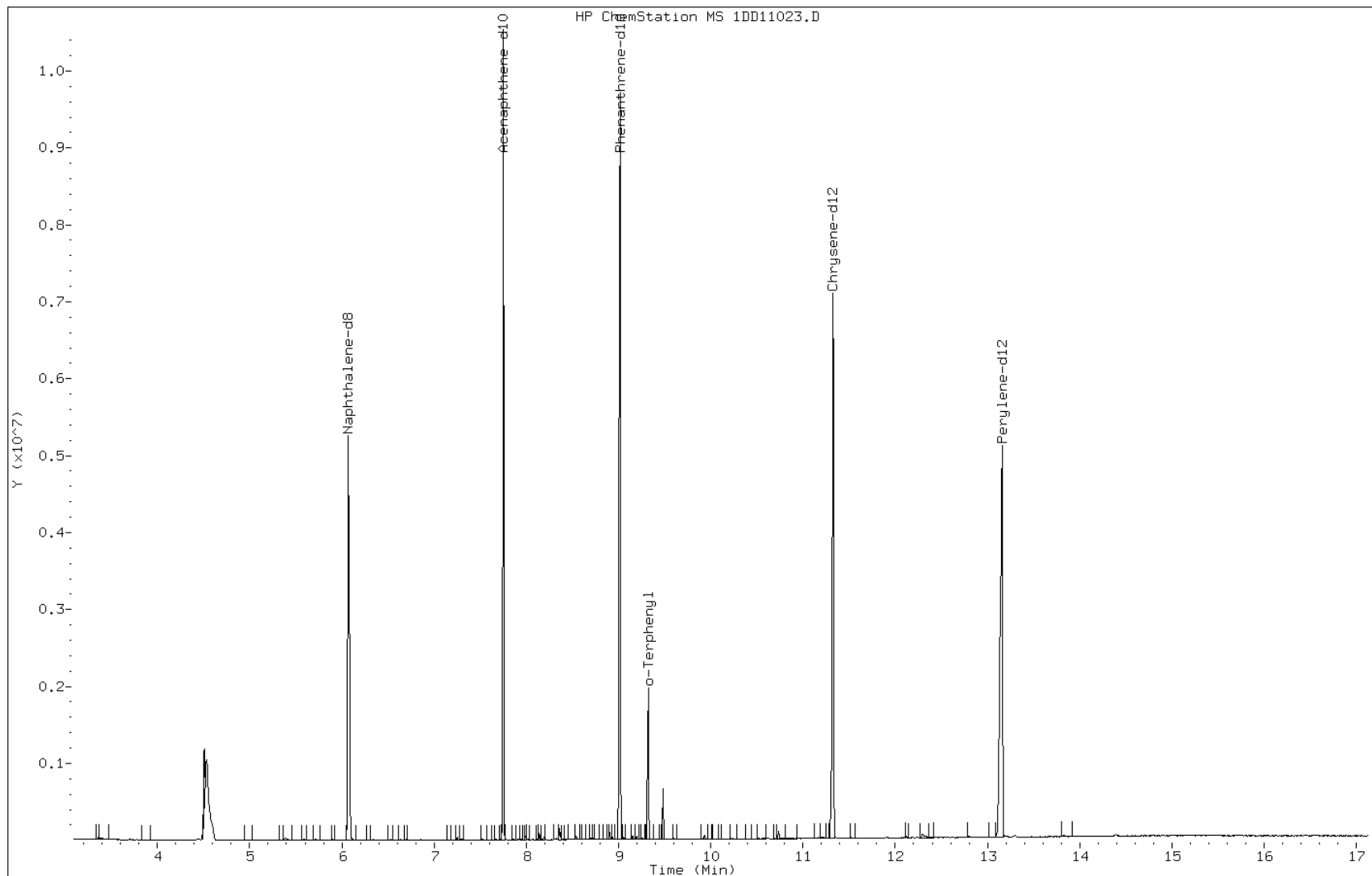
Date: 11-APR-2013 19:23

Client ID:

Instrument: BSMSD.i

Sample Info: MB 660-136277/1-A

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 660-136324/1-A
 Matrix: Solid Lab File ID: 1DD11014.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/11/2013 06:37
 Sample wt/vol: 15.00(g) Date Analyzed: 04/11/2013 16:00
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136371 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	100	U	100	20
208-96-8	Acenaphthylene	40	U	40	5.0
120-12-7	Anthracene	8.4	U	8.4	4.2
56-55-3	Benzo[a]anthracene	8.0	U	8.0	3.9
50-32-8	Benzo[a]pyrene	10	U	10	5.2
205-99-2	Benzo[b]fluoranthene	12	U	12	6.1
191-24-2	Benzo[g,h,i]perylene	20	U	20	4.4
207-08-9	Benzo[k]fluoranthene	8.0	U	8.0	3.6
218-01-9	Chrysene	9.0	U	9.0	4.5
53-70-3	Dibenz(a,h)anthracene	20	U	20	4.1
206-44-0	Fluoranthene	20	U	20	4.0
86-73-7	Fluorene	20	U	20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	20	U	20	7.1
90-12-0	1-Methyl-naphthalene	40	U	40	4.4
91-57-6	2-Methyl-naphthalene	40	U	40	7.1
91-20-3	Naphthalene	40	U	40	4.4
85-01-8	Phenanthrene	8.0	U	8.0	3.9
129-00-0	Pyrene	20	U	20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	69		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11014.D
 Lab Smp Id: MB 660-136324/1-A
 Inj Date : 11-APR-2013 16:00
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : MB 660-136324/1-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dFASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 13 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.073	6.078	(1.000)	2853195	40.0000		
* 6 Acenaphthene-d10	164		7.759	7.752	(1.000)	1737060	40.0000		
* 9 Phenanthrene-d10	188		9.016	9.016	(1.000)	2952367	40.0000		
\$ 13 o-Terphenyl	230		9.322	9.327	(1.034)	308953	6.94520	460	
* 17 Chrysene-d12	240		11.331	11.331	(1.000)	2988573	40.0000		
* 22 Perylene-d12	264		13.164	13.158	(1.000)	3087910	40.0000		
2 Naphthalene	128		6.090	6.096	(1.003)	2602	0.03669	2.4(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD11014.D

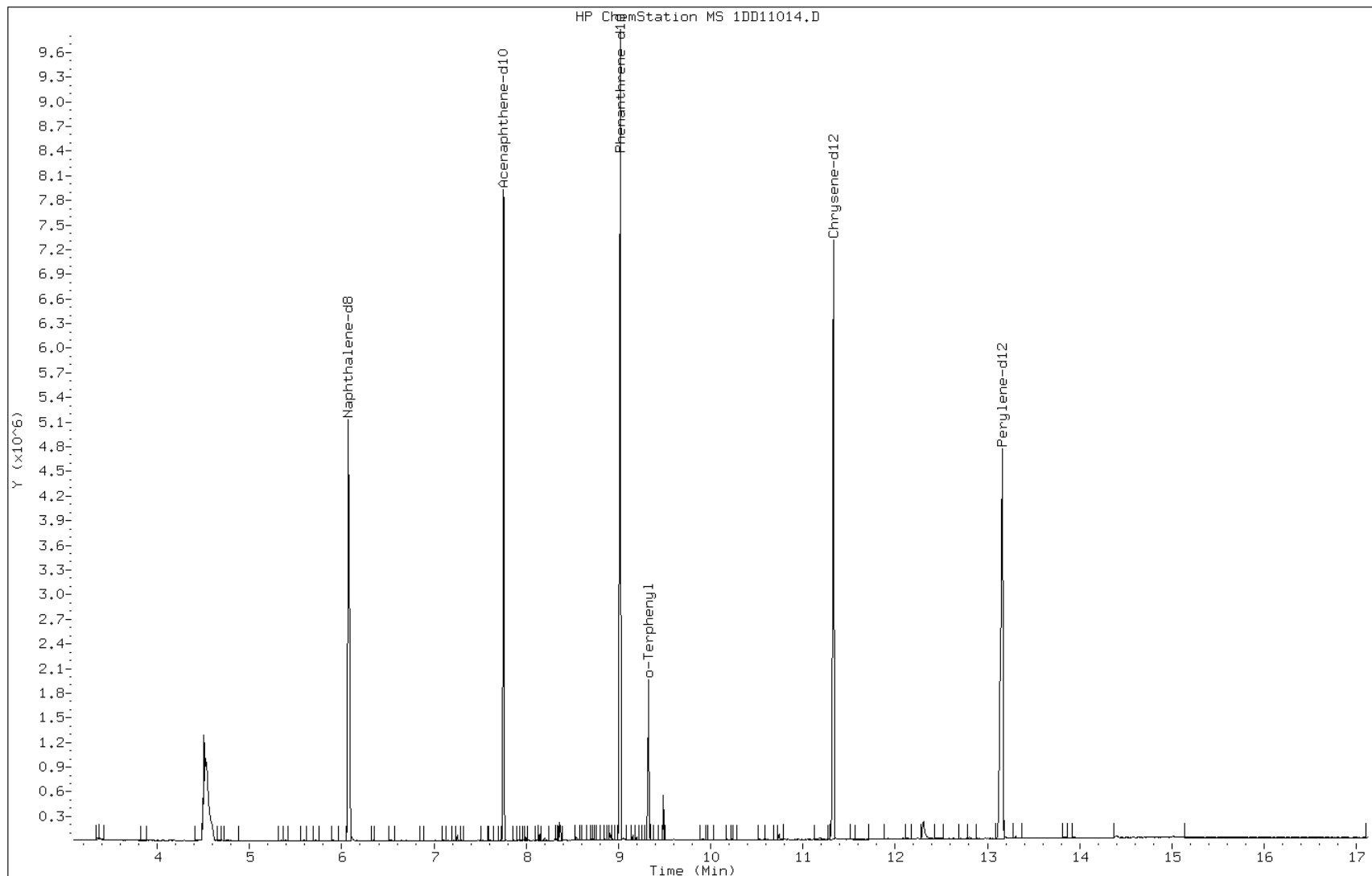
Date: 11-APR-2013 16:00

Client ID:

Instrument: BSMSD.i

Sample Info: MB 660-136324/1-A

Operator: SCC

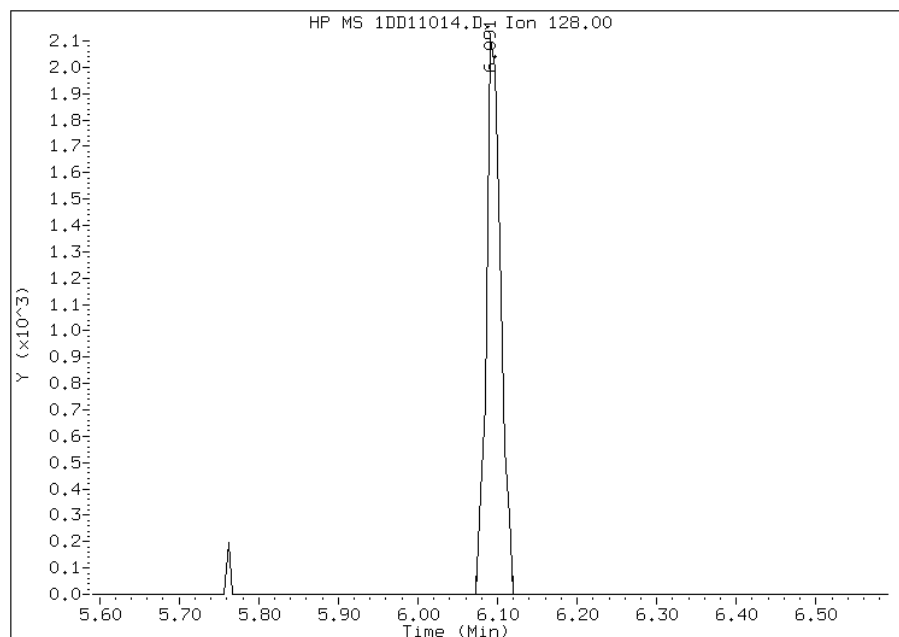


Manual Integration Report

Data File: 1DD11014.D
Inj. Date and Time: 11-APR-2013 16:00
Instrument ID: BSMSD.i
Client ID:
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 04/12/2013

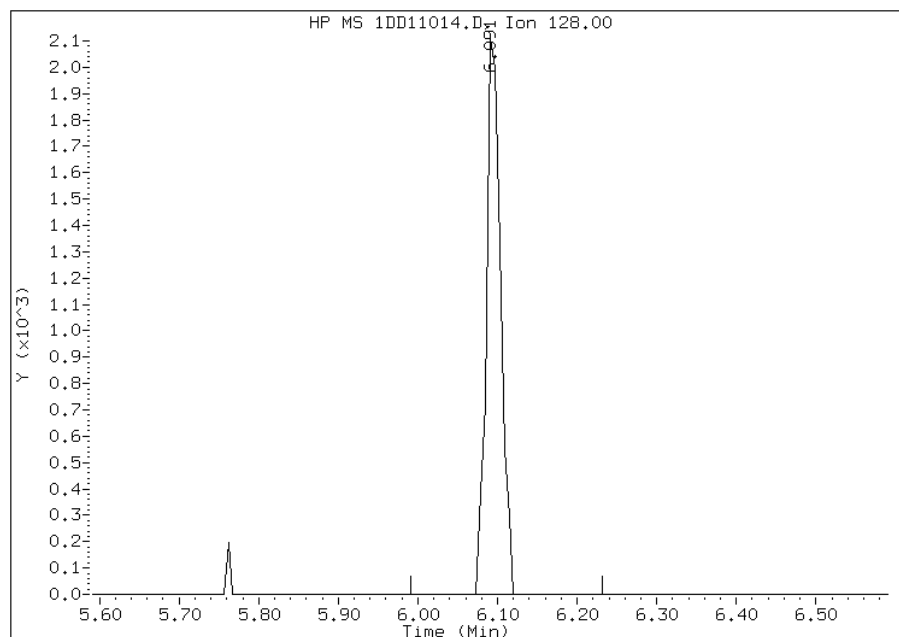
Processing Integration Results

RT: 6.09
Response: 2601
Amount: 0
Conc: 2



Manual Integration Results

RT: 6.09
Response: 2602
Amount: 0
Conc: 2



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 11:11
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 660-136277/2-A
 Matrix: Solid Lab File ID: 1DD11024.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.00(g) Date Analyzed: 04/11/2013 19:46
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136371 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	524		100	20
208-96-8	Acenaphthylene	545		40	5.0
120-12-7	Anthracene	557		8.4	4.2
56-55-3	Benzo[a]anthracene	588		8.0	3.9
50-32-8	Benzo[a]pyrene	531		10	5.2
205-99-2	Benzo[b]fluoranthene	594		12	6.1
191-24-2	Benzo[g,h,i]perylene	583		20	4.4
207-08-9	Benzo[k]fluoranthene	599		8.0	3.6
218-01-9	Chrysene	571		9.0	4.5
53-70-3	Dibenz(a,h)anthracene	621		20	4.1
206-44-0	Fluoranthene	600		20	4.0
86-73-7	Fluorene	579		20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	595		20	7.1
90-12-0	1-Methylnaphthalene	565		40	4.4
91-57-6	2-Methylnaphthalene	556		40	7.1
91-20-3	Naphthalene	533		40	4.4
85-01-8	Phenanthrene	543		8.0	3.9
129-00-0	Pyrene	552		20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	87		30-130

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11024.D
 Lab Smp Id: LCS 660-136277/2-A
 Inj Date : 11-APR-2013 19:46
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : LCS 660-136277/2-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dFASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 23 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.074	6.078	(1.000)	2793385	40.0000		
* 6 Acenaphthene-d10	164		7.755	7.752	(1.000)	1736069	40.0000		
* 9 Phenanthrene-d10	188		9.012	9.016	(1.000)	2929348	40.0000		
\$ 13 o-Terphenyl	230		9.318	9.327	(1.034)	385210	8.72749	580	
* 17 Chrysene-d12	240		11.327	11.331	(1.000)	3052042	40.0000		
* 22 Perylene-d12	264		13.154	13.158	(1.000)	3048812	40.0000		
2 Naphthalene	128		6.092	6.096	(1.003)	554673	7.98884	530	
3 2-Methylnaphthalene	142		6.797	6.801	(1.119)	373489	8.33311	560	
4 1-Methylnaphthalene	142		6.891	6.895	(1.134)	358798	8.47710	560	
5 Acenaphthylene	152		7.626	7.623	(0.983)	601186	8.18186	540	
7 Acenaphthene	154		7.778	7.782	(1.003)	356826	7.86731	520	
8 Fluorene	166		8.219	8.222	(1.060)	466112	8.67830	580	
10 Phenanthrene	178		9.030	9.033	(1.002)	657536	8.14912	540	
11 Anthracene	178		9.071	9.074	(1.007)	669362	8.35813	560	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.206	9.215	(1.022)	585992	8.29546	550(M)
14 Fluoranthene	202	10.011	10.014	(1.111)	746688	8.99280	600
15 Pyrene	202	10.199	10.208	(0.900)	758582	8.27671	550
16 Benzo(a)anthracene	228	11.309	11.313	(0.998)	777915	8.81584	590
18 Chrysene	228	11.351	11.354	(1.002)	709172	8.57126	570
19 Benzo(b)fluoranthene	252	12.602	12.611	(0.958)	678256	8.90567	590
20 Benzo(k)fluoranthene	252	12.643	12.653	(0.961)	720837	8.98408	600
21 Benzo(a)pyrene	252	13.054	13.064	(0.992)	609130	7.96008	530
23 Indeno(1,2,3-cd)pyrene	276	14.729	14.744	(1.120)	728114	8.92337	590(M)
24 Dibenzo(a,h)anthracene	278	14.758	14.779	(1.122)	715553	9.31249	620
25 Benzo(g,h,i)perylene	276	15.164	15.191	(1.153)	687548	8.75123	580

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD11024.D

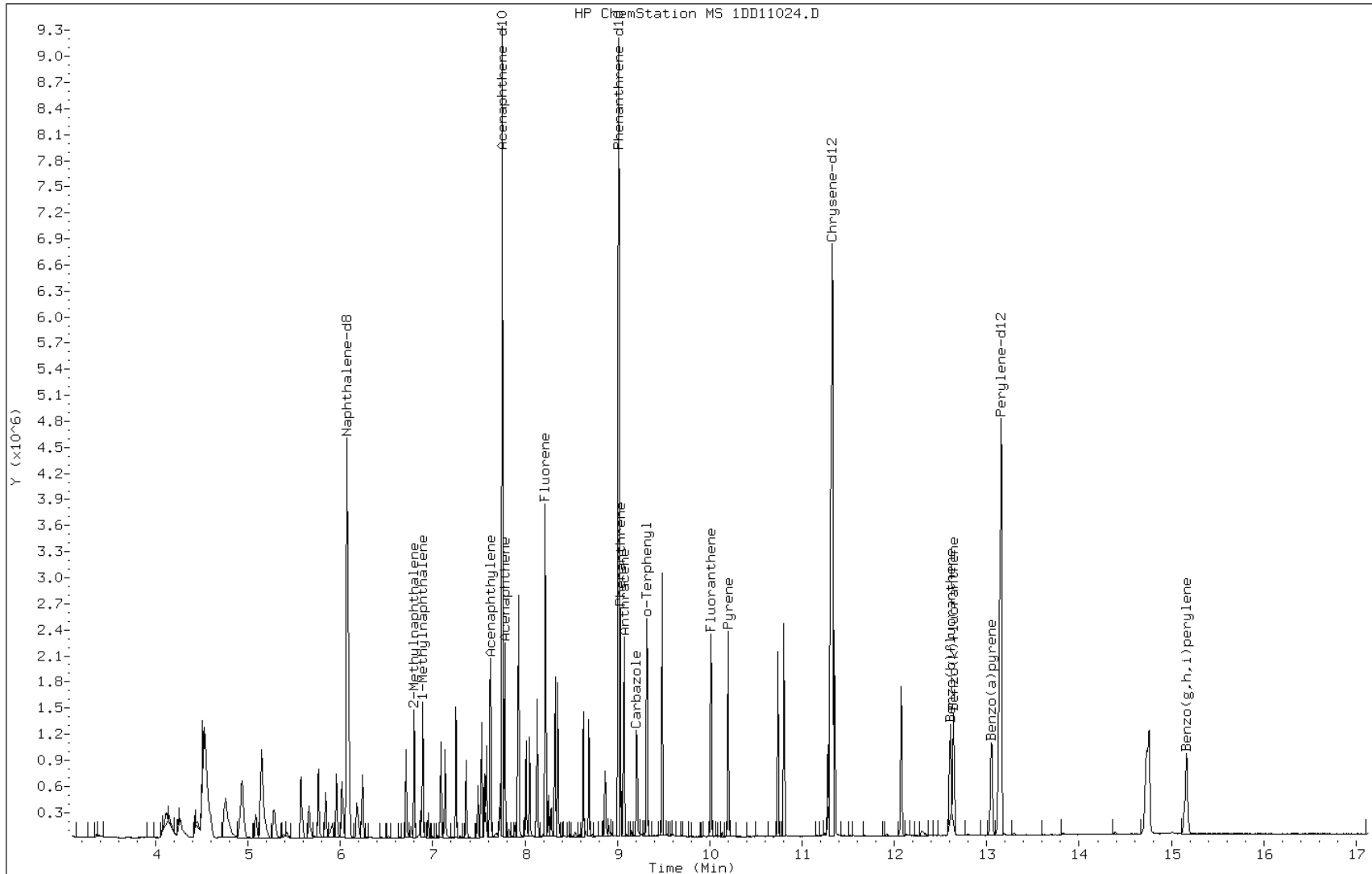
Date: 11-APR-2013 19:46

Client ID:

Instrument: BSMSD.i

Sample Info: LCS 660-136277/2-A

Operator: SCC

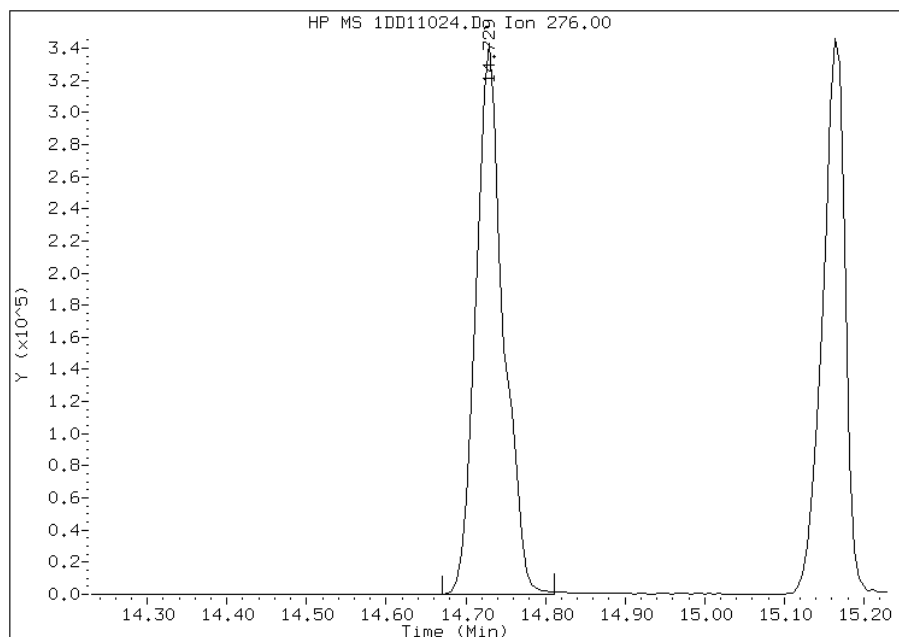


Manual Integration Report

Data File: 1DD11024.D
Inj. Date and Time: 11-APR-2013 19:46
Instrument ID: BSM5D.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

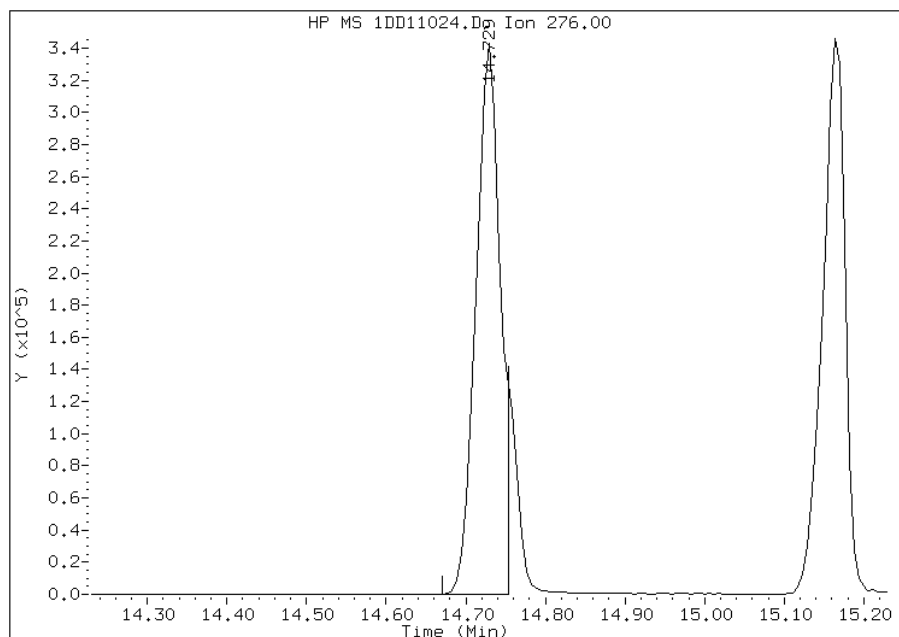
Processing Integration Results

RT: 14.73
Response: 818824
Amount: 10
Conc: 669



Manual Integration Results

RT: 14.73
Response: 728114
Amount: 9
Conc: 595



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 11:32
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 660-136324/2-A
 Matrix: Solid Lab File ID: 1DD11015.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/11/2013 06:37
 Sample wt/vol: 15.00(g) Date Analyzed: 04/11/2013 16:22
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136371 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	340		100	20
208-96-8	Acenaphthylene	356		40	5.0
120-12-7	Anthracene	348		8.4	4.2
56-55-3	Benzo[a]anthracene	370		8.0	3.9
50-32-8	Benzo[a]pyrene	335		10	5.2
205-99-2	Benzo[b]fluoranthene	394		12	6.1
191-24-2	Benzo[g,h,i]perylene	370		20	4.4
207-08-9	Benzo[k]fluoranthene	365		8.0	3.6
218-01-9	Chrysene	356		9.0	4.5
53-70-3	Dibenz(a,h)anthracene	384		20	4.1
206-44-0	Fluoranthene	376		20	4.0
86-73-7	Fluorene	373		20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	376		20	7.1
90-12-0	1-Methylnaphthalene	383		40	4.4
91-57-6	2-Methylnaphthalene	368		40	7.1
91-20-3	Naphthalene	360		40	4.4
85-01-8	Phenanthrene	354		8.0	3.9
129-00-0	Pyrene	350		20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	54		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11015.D
 Lab Smp Id: LCS 660-136324/2-A
 Inj Date : 11-APR-2013 16:22
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : LCS 660-136324/2-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dFASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 14 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.069	6.078	(1.000)	2873594	40.0000		
* 6 Acenaphthene-d10	164		7.755	7.752	(1.000)	1806013	40.0000		
* 9 Phenanthrene-d10	188		9.013	9.016	(1.000)	3043280	40.0000		
\$ 13 o-Terphenyl	230		9.318	9.327	(1.034)	247797	5.40402	360	
* 17 Chrysene-d12	240		11.328	11.331	(1.000)	3164104	40.0000		
* 22 Perylene-d12	264		13.155	13.158	(1.000)	3207913	40.0000		
2 Naphthalene	128		6.092	6.096	(1.004)	385954	5.40365	360	
3 2-Methylnaphthalene	142		6.798	6.801	(1.120)	254660	5.52326	370	
4 1-Methylnaphthalene	142		6.892	6.895	(1.136)	250445	5.75195	380	
5 Acenaphthylene	152		7.620	7.623	(0.983)	408016	5.33785	360	
7 Acenaphthene	154		7.779	7.782	(1.003)	240771	5.10294	340	
8 Fluorene	166		8.219	8.222	(1.060)	312642	5.59549	370	
10 Phenanthrene	178		9.030	9.033	(1.002)	445654	5.31641	350	
11 Anthracene	178		9.071	9.074	(1.007)	434253	5.21940	350	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.206	9.215	(1.022)	395966	5.39555	360(M)
14 Fluoranthene	202	10.011	10.014	(1.111)	486244	5.63688	380
15 Pyrene	202	10.199	10.208	(0.900)	498646	5.24792	350
16 Benzo(a)anthracene	228	11.310	11.313	(0.998)	508393	5.55739	370
18 Chrysene	228	11.351	11.354	(1.002)	457474	5.33334	360
19 Benzo(b)fluoranthene	252	12.603	12.611	(0.958)	473403	5.90761	390
20 Benzo(k)fluoranthene	252	12.638	12.653	(0.961)	462733	5.48120	360
21 Benzo(a)pyrene	252	13.049	13.064	(0.992)	404633	5.02547	340
23 Indeno(1,2,3-cd)pyrene	276	14.724	14.744	(1.119)	484107	5.63870	380(M)
24 Dibenzo(a,h)anthracene	278	14.753	14.779	(1.121)	466280	5.76738	380
25 Benzo(g,h,i)perylene	276	15.158	15.191	(1.152)	458339	5.54448	370

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD11015.D

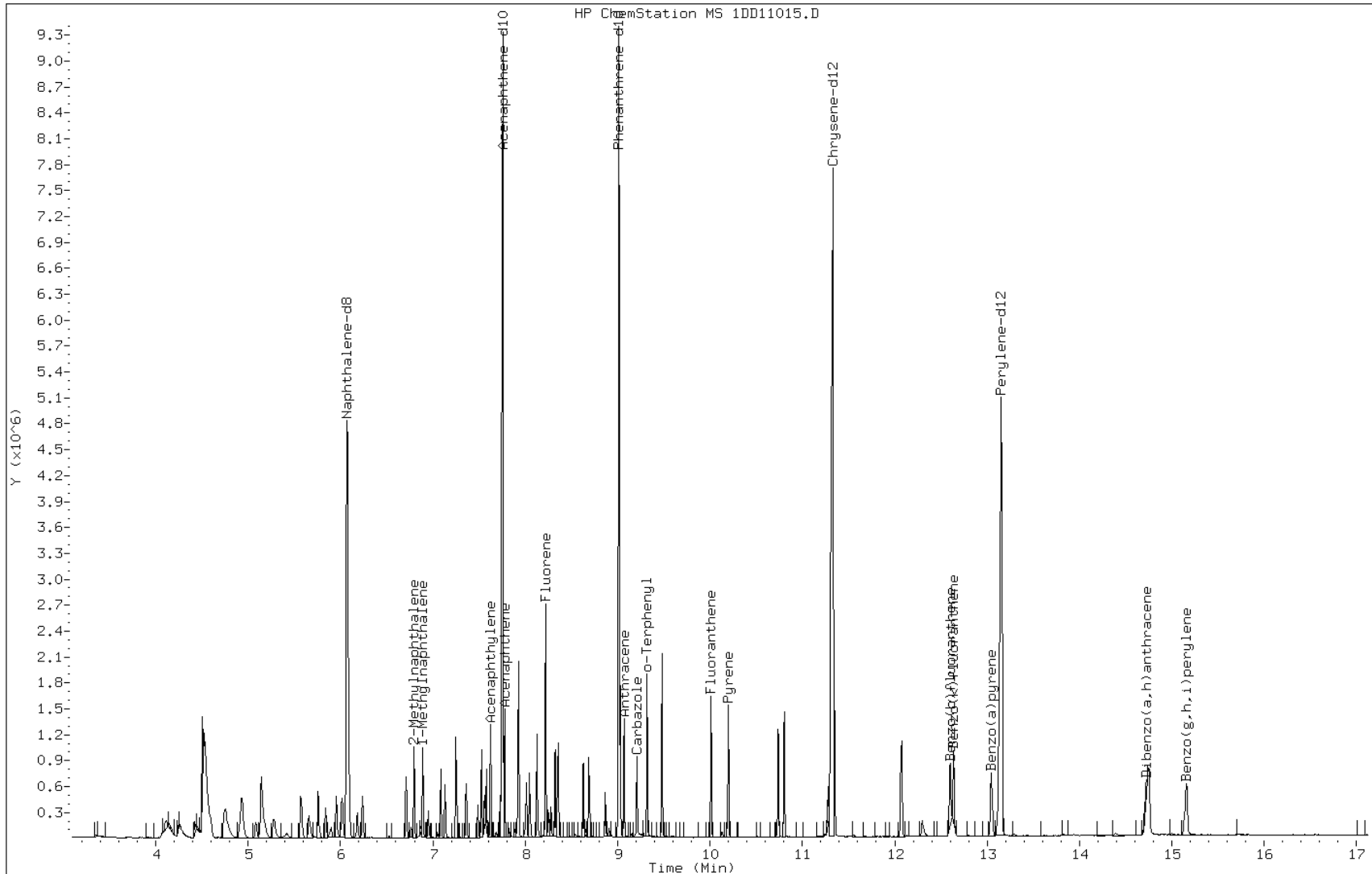
Date: 11-APR-2013 16:22

Client ID:

Instrument: BSMSD.i

Sample Info: LCS 660-136324/2-A

Operator: SCC

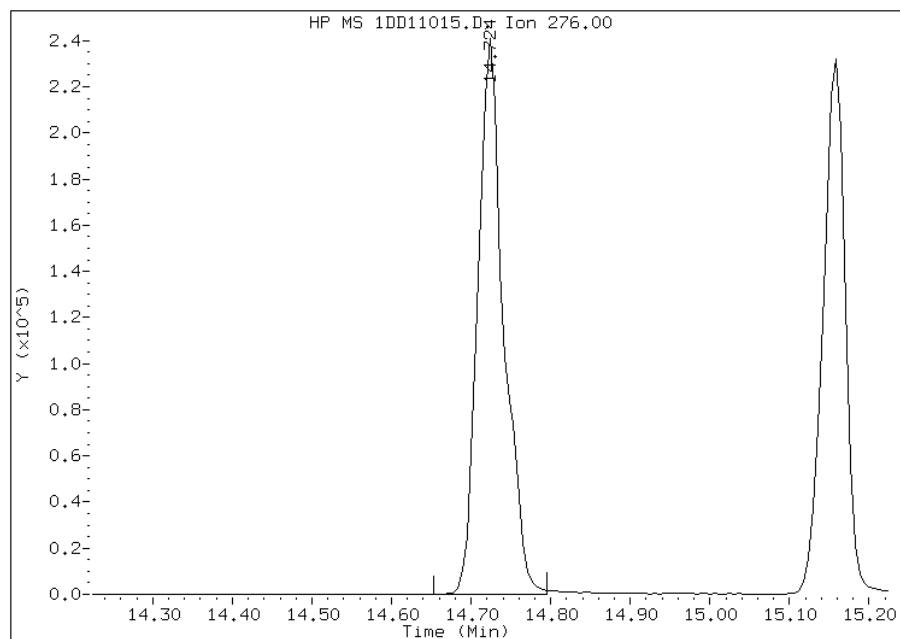


Manual Integration Report

Data File: 1DD11015.D
Inj. Date and Time: 11-APR-2013 16:22
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

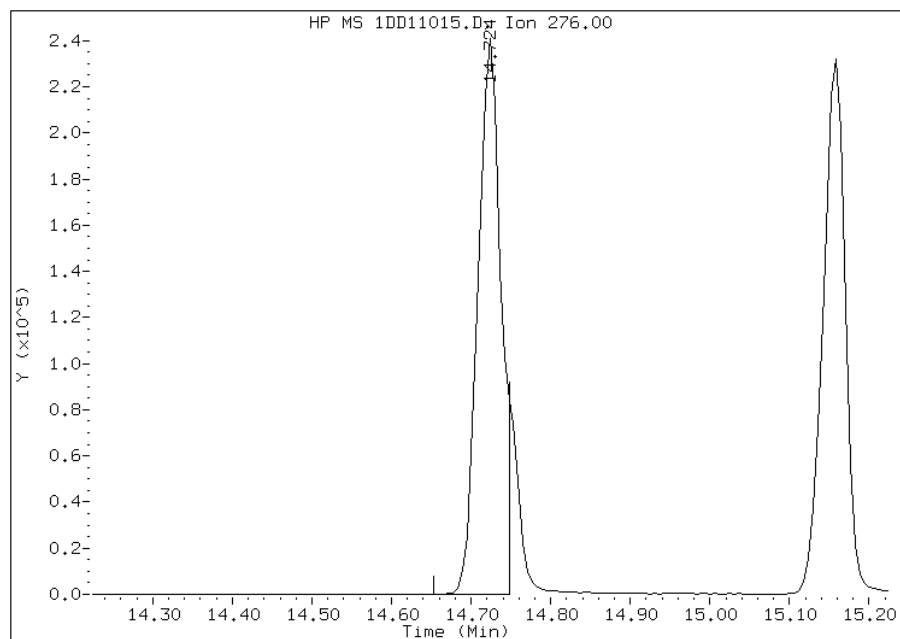
Processing Integration Results

RT: 14.72
Response: 543054
Amount: 6
Conc: 422



Manual Integration Results

RT: 14.72
Response: 484107
Amount: 6
Conc: 376



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 11:11
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 680-89038-A-6-B MS
 Matrix: Solid Lab File ID: 1CD12006.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.34(g) Date Analyzed: 04/12/2013 12:38
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 40.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	702		160	33
208-96-8	Acenaphthylene	720		65	8.2
120-12-7	Anthracene	785		14	6.9
56-55-3	Benzo[a]anthracene	817		13	6.4
50-32-8	Benzo[a]pyrene	696		17	8.5
205-99-2	Benzo[b]fluoranthene	949		20	10
191-24-2	Benzo[g,h,i]perylene	658		33	7.2
207-08-9	Benzo[k]fluoranthene	726		13	5.9
218-01-9	Chrysene	818		15	7.3
53-70-3	Dibenz(a,h)anthracene	722		33	6.7
206-44-0	Fluoranthene	912		33	6.5
86-73-7	Fluorene	755		33	6.7
193-39-5	Indeno[1,2,3-cd]pyrene	681		33	12
90-12-0	1-Methylnaphthalene	832		65	7.2
91-57-6	2-Methylnaphthalene	822		65	12
91-20-3	Naphthalene	729		65	7.2
85-01-8	Phenanthrene	849		13	6.4
129-00-0	Pyrene	808		33	6.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	63		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12006.D
 Lab Smp Id: 680-89038-a-6-b ms
 Inj Date : 12-APR-2013 12:38
 Operator : SCC
 Smp Info : 680-89038-a-6-b ms
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 6 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.340	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136			3.669	3.669	(1.000)	266003	40.0000	
* 6 Acenaphthene-d10	164			4.757	4.757	(1.000)	187662	40.0000	
* 10 Phenanthrene-d10	188			5.698	5.704	(1.000)	361468	40.0000	
\$ 14 o-Terphenyl	230			5.951	5.951	(1.044)	33429	6.27441	409.0229
* 18 Chrysene-d12	240			7.633	7.639	(1.000)	477417	40.0000	
* 23 Perylene-d12	264			8.792	8.792	(1.000)	467979	40.0000	
2 Naphthalene	128			3.680	3.680	(1.003)	48184	6.70109	436.8374
3 2-Methylnaphthalene	142			4.110	4.110	(1.120)	35034	7.55788	492.6907
4 1-Methylnaphthalene	142			4.169	4.169	(1.136)	35118	7.64598	498.4342
5 Acenaphthylene	152			4.669	4.669	(0.981)	52604	6.61524	431.2414
7 Acenaphthene	154			4.774	4.774	(1.004)	30921	6.45239	420.6253
9 Fluorene	166			5.092	5.098	(1.070)	42333	6.94167	452.5206
11 Phenanthrene	178			5.716	5.716	(1.003)	82671	7.80527	508.8181
12 Anthracene	178			5.751	5.751	(1.009)	75708	7.21454	470.3089

Compounds	QUANT SIG							CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
-----	----		----	-----	-----	-----	-----	-----	
13 Carbazole	167		5.857	5.857	(1.028)	69518	7.11298	463.6880	
15 Fluoranthene	202		6.545	6.551	(1.149)	98320	8.38472	546.5916	
16 Pyrene	202		6.715	6.716	(0.880)	100867	7.42651	484.1273	
17 Benzo(a)anthracene	228		7.627	7.627	(0.999)	101324	7.50525	489.2601	
19 Chrysene	228		7.651	7.657	(1.002)	100382	7.51628	489.9790	
20 Benzo(b)fluoranthene	252		8.457	8.457	(0.962)	103114	8.72372	568.6911	
21 Benzo(k)fluoranthene	252		8.474	8.480	(0.964)	89305	6.67705	435.2704	
22 Benzo(a)pyrene	252		8.739	8.739	(0.994)	78133	6.39485	416.8743	
24 Indeno(1,2,3-cd)pyrene	276		9.915	9.921	(1.128)	68221	6.25961	408.0580(M)	
25 Dibenzo(a,h)anthracene	278		9.921	9.933	(1.128)	74171	6.63643	432.6227	
26 Benzo(g,h,i)perylene	276		10.245	10.256	(1.165)	69278	6.04938	394.3532	

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD12006.D

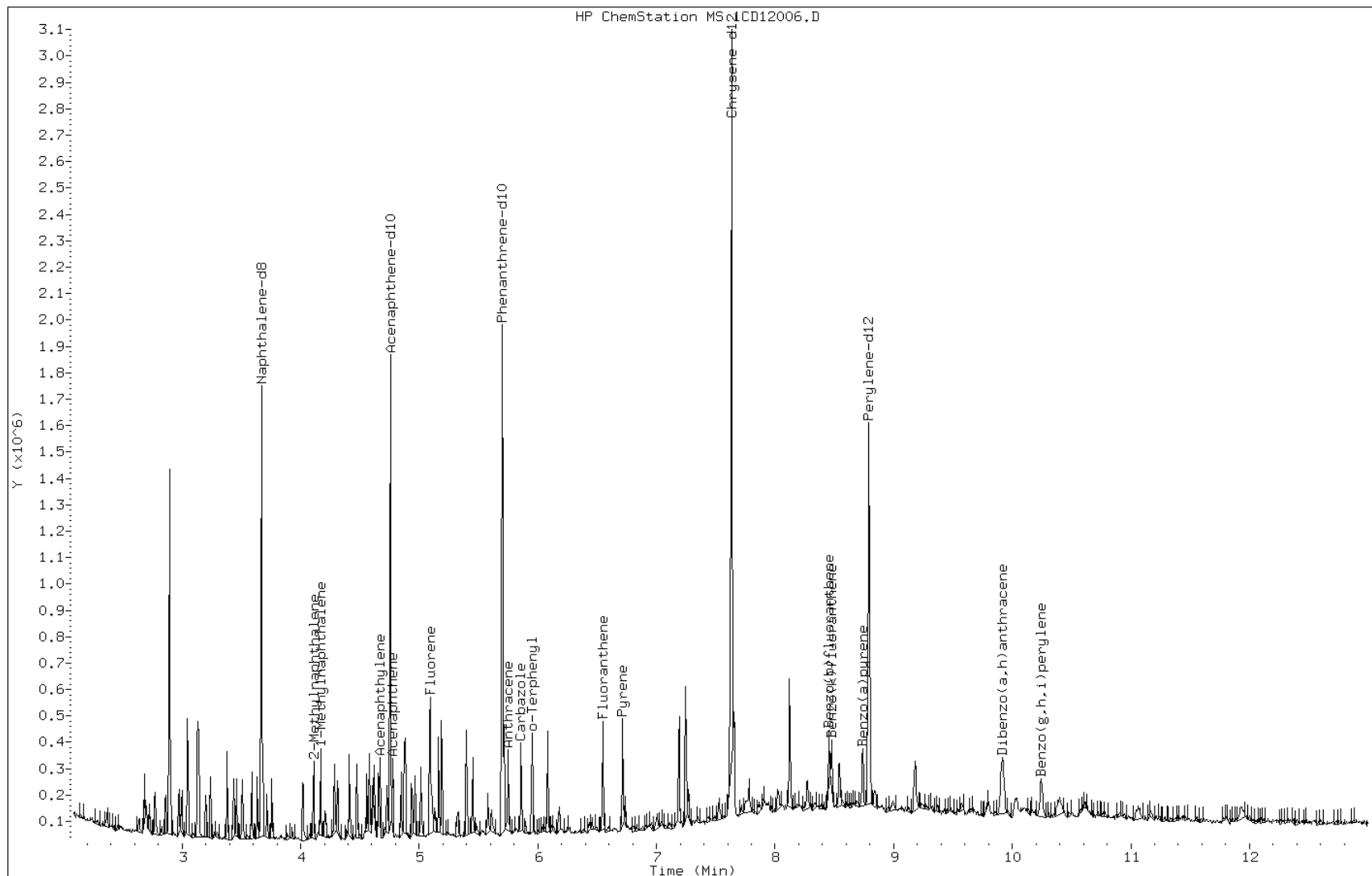
Date: 12-APR-2013 12:38

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-89038-a-6-b ms

Operator: SCC

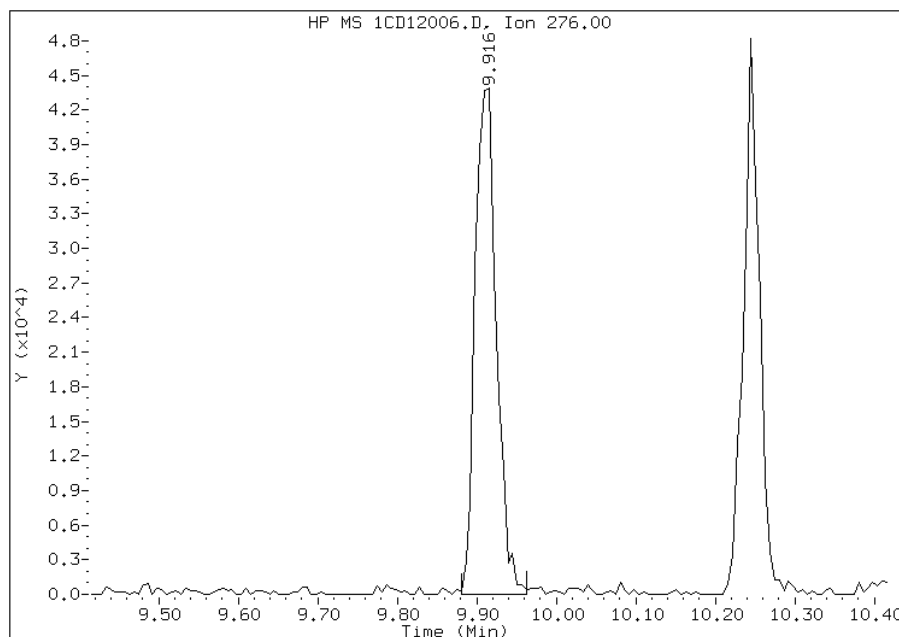


Manual Integration Report

Data File: 1CD12006.D
Inj. Date and Time: 12-APR-2013 12:38
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

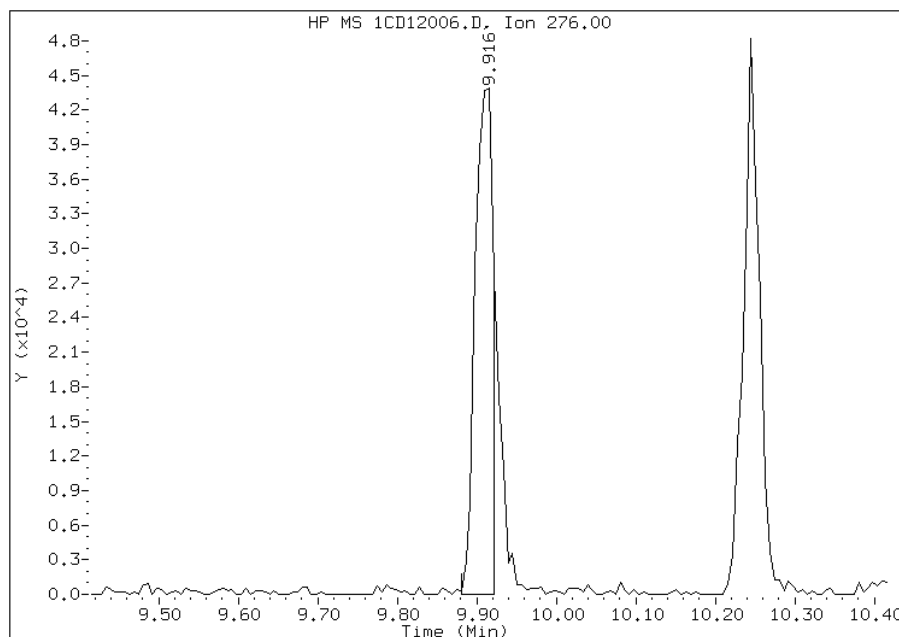
Processing Integration Results

RT: 9.92
Response: 81091
Amount: 7
Conc: 477



Manual Integration Results

RT: 9.92
Response: 68221
Amount: 6
Conc: 408



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 14:27
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1254A-CS-SP MS Lab Sample ID: 680-89038-21 MS
 Matrix: Solid Lab File ID: 1DD11017.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 12:45
 Extract. Method: 3546 Date Extracted: 04/11/2013 06:37
 Sample wt/vol: 15.16(g) Date Analyzed: 04/11/2013 17:08
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 42.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136371 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	570		170	34
208-96-8	Acenaphthylene	602		69	8.6
120-12-7	Anthracene	589		14	7.2
56-55-3	Benzo[a]anthracene	679		14	6.7
50-32-8	Benzo[a]pyrene	628		18	9.0
205-99-2	Benzo[b]fluoranthene	850		21	11
191-24-2	Benzo[g,h,i]perylene	726		34	7.6
207-08-9	Benzo[k]fluoranthene	672		14	6.2
218-01-9	Chrysene	715		16	7.8
53-70-3	Dibenz(a,h)anthracene	668		34	7.1
206-44-0	Fluoranthene	718		34	6.9
86-73-7	Fluorene	621		34	7.1
193-39-5	Indeno[1,2,3-cd]pyrene	686		34	12
90-12-0	1-Methylnaphthalene	649		69	7.6
91-57-6	2-Methylnaphthalene	646		69	12
91-20-3	Naphthalene	610		69	7.6
85-01-8	Phenanthrene	636		14	6.7
129-00-0	Pyrene	638		34	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	53		30-130

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11017.D
 Lab Smp Id: 680-89038-A-21-B MS
 Inj Date : 11-APR-2013 17:08
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89038-A-21-B MS
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dFASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 16 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.160	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/Kg)
* 1 Naphthalene-d8	136	6.072	6.078	(1.000)	2996125	40.0000	
* 6 Acenaphthene-d10	164	7.753	7.752	(1.000)	1862559	40.0000	
* 9 Phenanthrene-d10	188	9.016	9.016	(1.000)	3168161	40.0000	
\$ 13 o-Terphenyl	230	9.321	9.327	(1.034)	252340	5.28617	350
* 17 Chrysene-d12	240	11.331	11.331	(1.000)	3338835	40.0000	
* 22 Perylene-d12	264	13.158	13.158	(1.000)	3393124	40.0000	
2 Naphthalene	128	6.096	6.096	(1.004)	395202	5.30685	350
3 2-Methylnaphthalene	142	6.801	6.801	(1.120)	270186	5.62034	370
4 1-Methylnaphthalene	142	6.889	6.895	(1.134)	256339	5.64654	370
5 Acenaphthylene	152	7.623	7.623	(0.983)	412698	5.23519	340
7 Acenaphthene	154	7.776	7.782	(1.003)	241117	4.95513	330
8 Fluorene	166	8.223	8.222	(1.061)	311500	5.40579	360
10 Phenanthrene	178	9.028	9.033	(1.001)	482925	5.53394	360
11 Anthracene	178	9.069	9.074	(1.006)	443542	5.12091	340

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.210	9.215	(1.022)	378392	4.95284	330(RM)
14 Fluoranthene	202	10.015	10.014	(1.111)	560940	6.24648	410
15 Pyrene	202	10.197	10.208	(0.900)	556245	5.54775	360
16 Benzo(a)anthracene	228	11.313	11.313	(0.998)	569840	5.90310	390
18 Chrysene	228	11.348	11.354	(1.002)	563169	6.22196	410
19 Benzo(b)fluoranthene	252	12.606	12.611	(0.958)	626699	7.39371	490
20 Benzo(k)fluoranthene	252	12.641	12.653	(0.961)	521871	5.84428	380
21 Benzo(a)pyrene	252	13.052	13.064	(0.992)	465290	5.46339	360
23 Indeno(1,2,3-cd)pyrene	276	14.733	14.744	(1.120)	542033	5.96879	390(M)
24 Dibenzo(a,h)anthracene	278	14.756	14.779	(1.121)	497187	5.81399	380
25 Benzo(g,h,i)perylene	276	15.173	15.191	(1.153)	552239	6.31573	420

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: 1DD11017.D

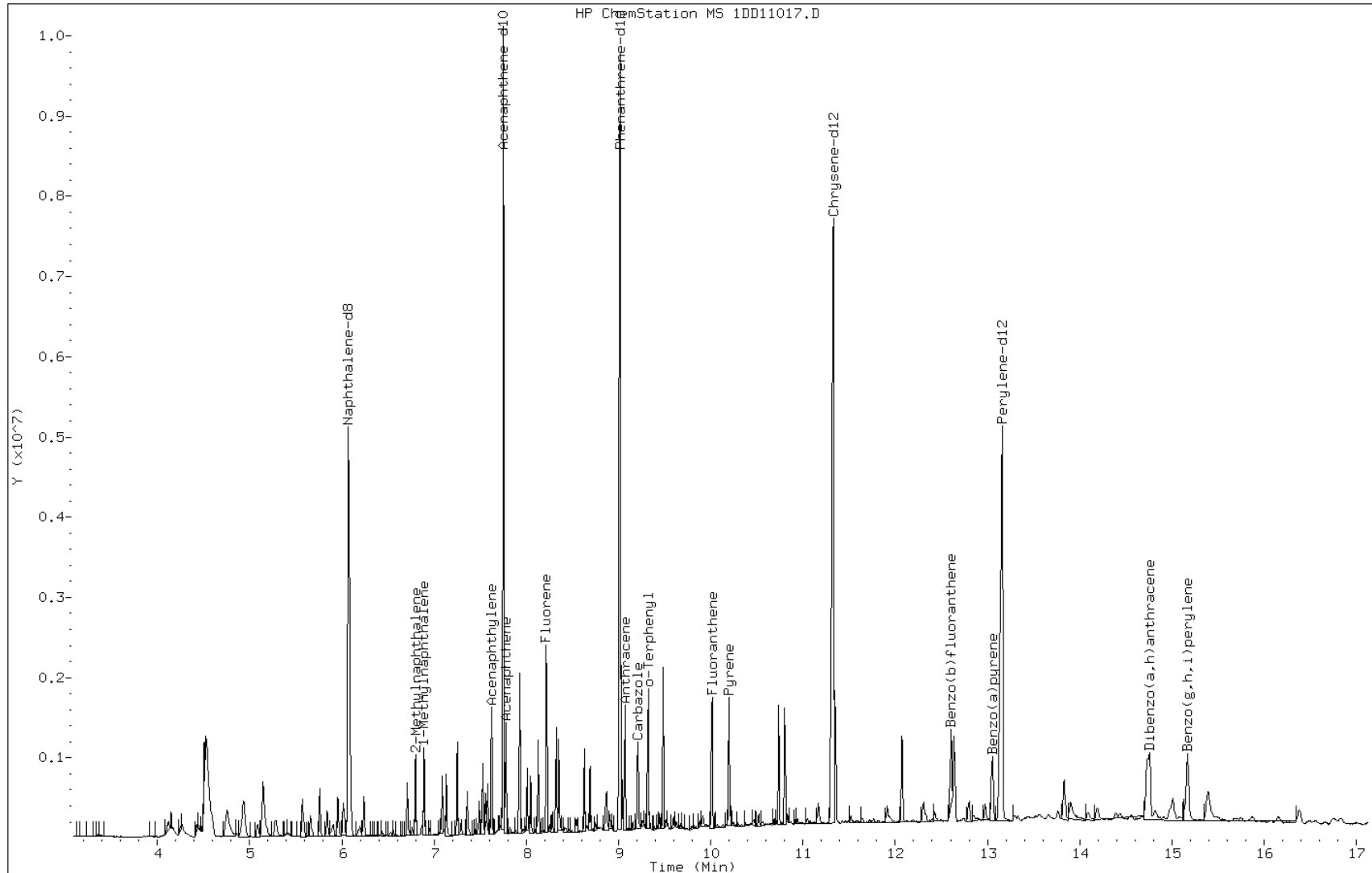
Date: 11-APR-2013 17:08

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89038-A-21-B MS

Operator: SCC

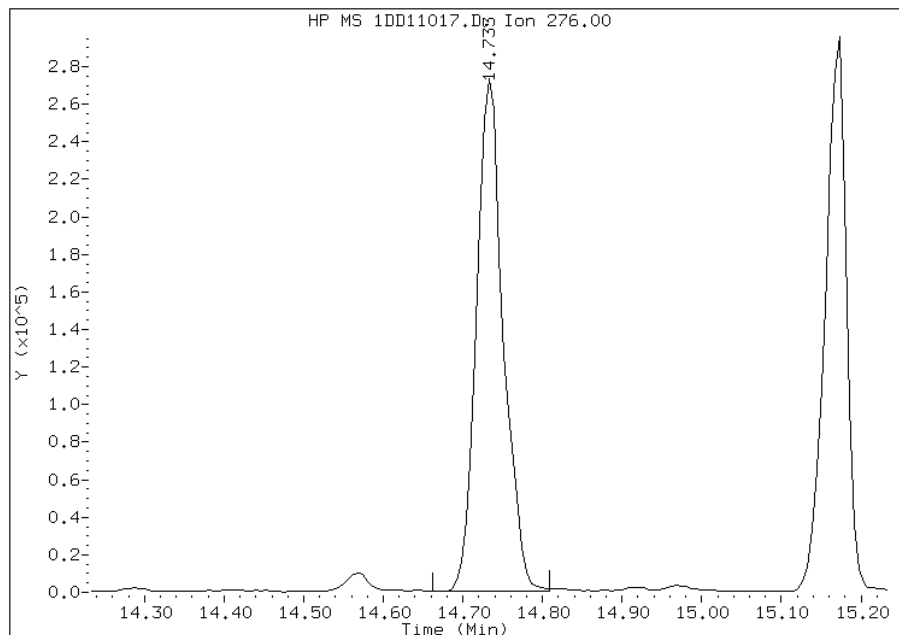


Manual Integration Report

Data File: 1DD11017.D
Inj. Date and Time: 11-APR-2013 17:08
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

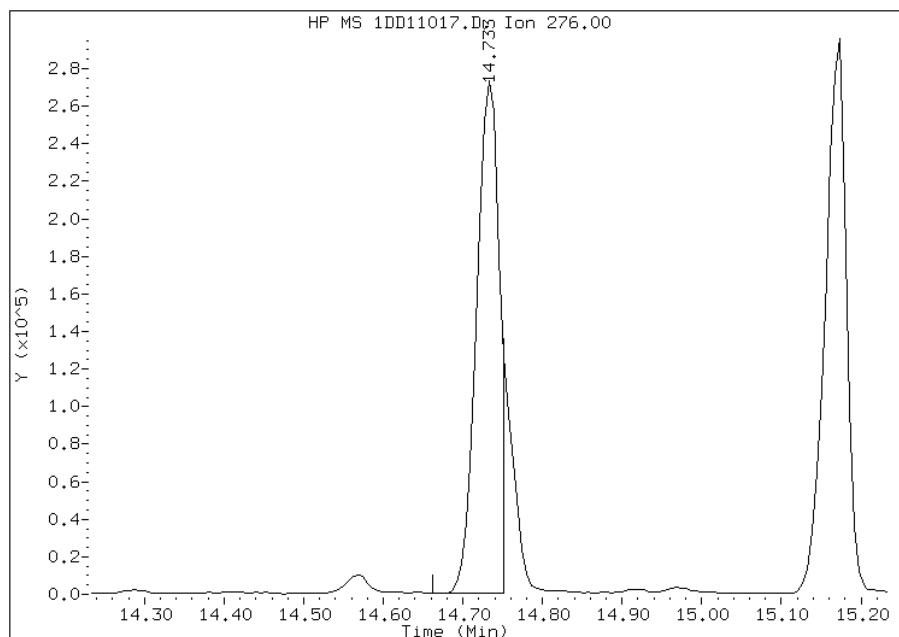
Processing Integration Results

RT: 14.73
Response: 636292
Amount: 7
Conc: 462



Manual Integration Results

RT: 14.73
Response: 542033
Amount: 6
Conc: 394



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 11:13
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 680-89038-A-6-C MSD
 Matrix: Solid Lab File ID: 1CD12007.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/09/2013 16:11
 Sample wt/vol: 15.30 (g) Date Analyzed: 04/12/2013 12:57
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: 40.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136414 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	589		160	33
208-96-8	Acenaphthylene	659		65	8.2
120-12-7	Anthracene	728		14	6.9
56-55-3	Benzo[a]anthracene	846		13	6.4
50-32-8	Benzo[a]pyrene	693		17	8.5
205-99-2	Benzo[b]fluoranthene	848		20	10
191-24-2	Benzo[g,h,i]perylene	709		33	7.2
207-08-9	Benzo[k]fluoranthene	754		13	5.9
218-01-9	Chrysene	763		15	7.4
53-70-3	Dibenz(a,h)anthracene	706		33	6.7
206-44-0	Fluoranthene	866		33	6.5
86-73-7	Fluorene	710		33	6.7
193-39-5	Indeno[1,2,3-cd]pyrene	666		33	12
90-12-0	1-Methylnaphthalene	651		65	7.2
91-57-6	2-Methylnaphthalene	781		65	12
91-20-3	Naphthalene	661		65	7.2
85-01-8	Phenanthrene	827		13	6.4
129-00-0	Pyrene	801		33	6.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	60		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\1CD12007.D
 Lab Smp Id: 680-89038-a-6-c msd
 Inj Date : 12-APR-2013 12:57
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-89038-a-6-c msd
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041213.b\a-bFASTPAHi-m.m
 Meth Date : 12-Apr-2013 11:57 cantins Quant Type: ISTD
 Cal Date : 11-APR-2013 14:06 Cal File: 1CD11009.D
 Als bottle: 7 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.300	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.669	3.669	(1.000)	285112	40.0000		
* 6 Acenaphthene-d10	164		4.757	4.757	(1.000)	207753	40.0000		
* 10 Phenanthrene-d10	188		5.698	5.704	(1.000)	373597	40.0000		
\$ 14 o-Terphenyl	230		5.951	5.951	(1.044)	32717	5.97801	390.7198	
* 18 Chrysene-d12	240		7.633	7.639	(1.000)	448240	40.0000		
* 23 Perylene-d12	264		8.792	8.792	(1.000)	441892	40.0000		
2 Naphthalene	128		3.680	3.680	(1.003)	46687	6.05772	395.9295	
3 2-Methylnaphthalene	142		4.110	4.110	(1.120)	35510	7.16195	468.1014	
4 1-Methylnaphthalene	142		4.169	4.169	(1.136)	29395	5.97101	390.2622	
5 Acenaphthylene	152		4.669	4.669	(0.981)	53168	6.03958	394.7435	
7 Acenaphthene	154		4.774	4.774	(1.004)	28642	5.39883	352.8647	
9 Fluorene	166		5.098	5.098	(1.072)	43932	6.50721	425.3077	
11 Phenanthrene	178		5.716	5.716	(1.003)	82984	7.58010	495.4313	
12 Anthracene	178		5.751	5.751	(1.009)	72410	6.67624	436.3554	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
13 Carbazole	167	5.857	5.857	(1.028)	69027	6.83344	446.6301
15 Fluoranthene	202	6.551	6.551	(1.150)	96246	7.94137	519.0440
16 Pyrene	202	6.716	6.716	(0.880)	93671	7.34562	480.1056
17 Benzo(a)anthracene	228	7.627	7.627	(0.999)	98309	7.75592	506.9229
19 Chrysene	228	7.657	7.657	(1.003)	87684	6.99286	457.0494
20 Benzo(b)fluoranthene	252	8.457	8.457	(0.962)	86738	7.77148	507.9399
21 Benzo(k)fluoranthene	252	8.480	8.480	(0.965)	87252	6.90867	451.5469
22 Benzo(a)pyrene	252	8.739	8.739	(0.994)	73258	6.34982	415.0207
24 Indeno(1,2,3-cd)pyrene	276	9.909	9.921	(1.127)	62632	6.10378	398.9399(M)
25 Dibenzo(a,h)anthracene	278	9.927	9.933	(1.129)	68198	6.47396	423.1349
26 Benzo(g,h,i)perylene	276	10.245	10.256	(1.165)	70303	6.50129	424.9208

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD12007.D

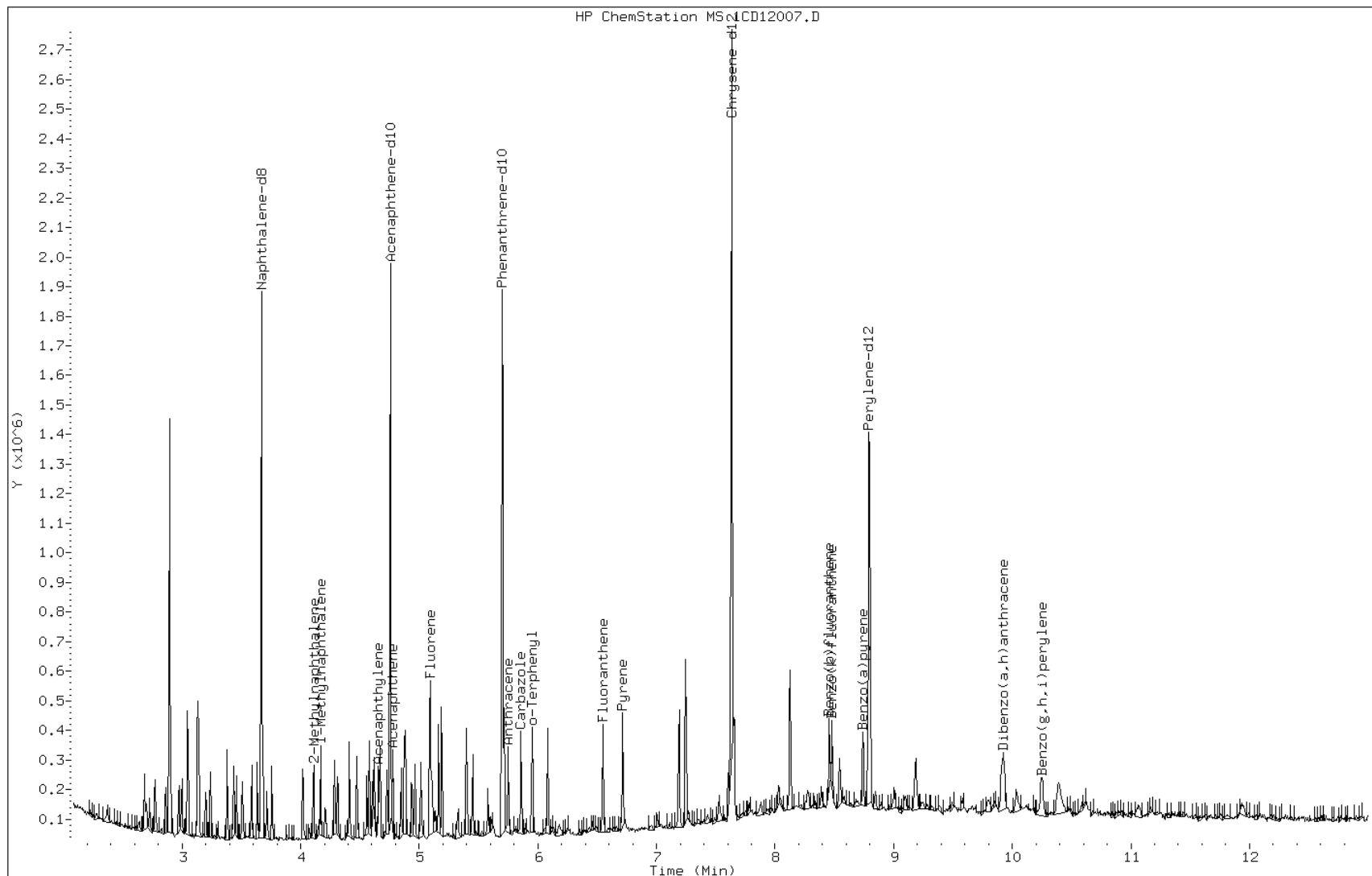
Date: 12-APR-2013 12:57

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-89038-a-6-c msd

Operator: SCC

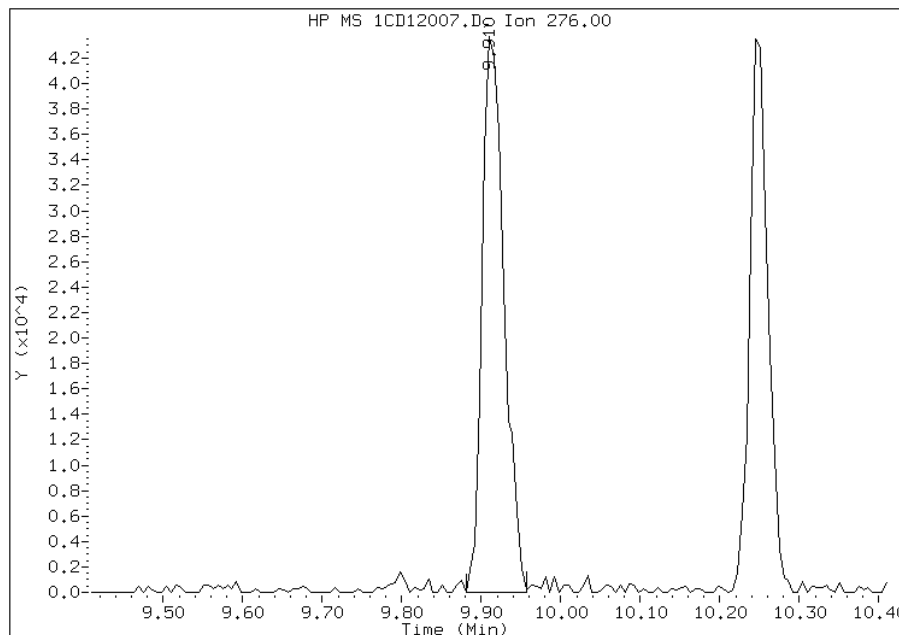


Manual Integration Report

Data File: 1CD12007.D
Inj. Date and Time: 12-APR-2013 12:57
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

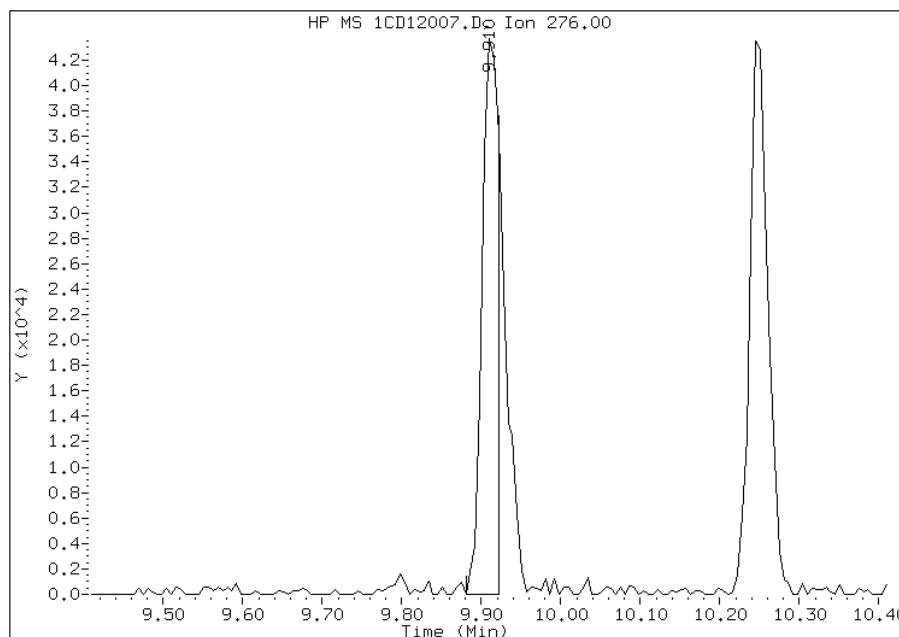
Processing Integration Results

RT: 9.91
Response: 83262
Amount: 8
Conc: 517



Manual Integration Results

RT: 9.91
Response: 62632
Amount: 6
Conc: 399



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 14:27
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2
 SDG No.: _____
 Client Sample ID: CV1254A-CS-SP MSD Lab Sample ID: 680-89038-21 MSD
 Matrix: Solid Lab File ID: 1DD11018.D
 Analysis Method: 8270C LL Date Collected: 04/03/2013 12:45
 Extract. Method: 3546 Date Extracted: 04/11/2013 06:37
 Sample wt/vol: 15.17(g) Date Analyzed: 04/11/2013 17:30
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 42.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136371 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	673		170	34
208-96-8	Acenaphthylene	706		69	8.6
120-12-7	Anthracene	699		14	7.2
56-55-3	Benzo[a]anthracene	790		14	6.7
50-32-8	Benzo[a]pyrene	690		18	9.0
205-99-2	Benzo[b]fluoranthene	881		21	11
191-24-2	Benzo[g,h,i]perylene	792		34	7.6
207-08-9	Benzo[k]fluoranthene	738		14	6.2
218-01-9	Chrysene	769		16	7.8
53-70-3	Dibenz(a,h)anthracene	776		34	7.1
206-44-0	Fluoranthene	823		34	6.9
86-73-7	Fluorene	735		34	7.1
193-39-5	Indeno[1,2,3-cd]pyrene	798		34	12
90-12-0	1-Methylnaphthalene	751		69	7.6
91-57-6	2-Methylnaphthalene	742		69	12
91-20-3	Naphthalene	719		69	7.6
85-01-8	Phenanthrene	747		14	6.7
129-00-0	Pyrene	732		34	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	62		30-130

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\1DD11018.D
 Lab Smp Id: 680-89038-A-21-C MS
 Inj Date : 11-APR-2013 17:30
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89038-A-21-C MSD
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D041113.b\dFASTPAHi.m
 Meth Date : 11-Apr-2013 11:40 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 17 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.170	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.074	6.078	(1.000)	3211843	40.0000		
* 6 Acenaphthene-d10	164		7.754	7.752	(1.000)	1988652	40.0000		
* 9 Phenanthrene-d10	188		9.017	9.016	(1.000)	3345405	40.0000		
\$ 13 o-Terphenyl	230		9.323	9.327	(1.034)	310709	6.16407	410	
* 17 Chrysene-d12	240		11.332	11.331	(1.000)	3571685	40.0000		
* 22 Perylene-d12	264		13.165	13.158	(1.000)	3664171	40.0000		
2 Naphthalene	128		6.091	6.096	(1.003)	499883	6.26169	410	
3 2-Methylnaphthalene	142		6.796	6.801	(1.119)	332949	6.46076	420	
4 1-Methylnaphthalene	142		6.890	6.895	(1.134)	318192	6.53827	430	
5 Acenaphthylene	152		7.625	7.623	(0.983)	516946	6.14181	400	
7 Acenaphthene	154		7.778	7.782	(1.003)	304184	5.85483	380	
8 Fluorene	166		8.218	8.222	(1.060)	393509	6.39598	420	
10 Phenanthrene	178		9.029	9.033	(1.001)	598839	6.49866	430	
11 Anthracene	178		9.070	9.074	(1.006)	556637	6.08615	400	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.211	9.215	(1.022)	475544	5.89470	390(M)
14 Fluoranthene	202	10.016	10.014	(1.111)	679067	7.16128	470
15 Pyrene	202	10.198	10.208	(0.900)	683377	6.37137	420
16 Benzo(a)anthracene	228	11.315	11.313	(0.998)	710121	6.87672	450
18 Chrysene	228	11.356	11.354	(1.002)	648435	6.69695	440
19 Benzo(b)fluoranthene	252	12.607	12.611	(0.958)	701553	7.66458	500
20 Benzo(k)fluoranthene	252	12.642	12.653	(0.960)	619650	6.42596	420
21 Benzo(a)pyrene	252	13.054	13.064	(0.992)	552182	6.00405	400
23 Indeno(1,2,3-cd)pyrene	276	14.734	14.744	(1.119)	681133	6.94571	460(M)
24 Dibenzo(a,h)anthracene	278	14.763	14.779	(1.121)	624046	6.75765	440
25 Benzo(g,h,i)perylene	276	15.175	15.191	(1.153)	650891	6.89333	450

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD11018.D

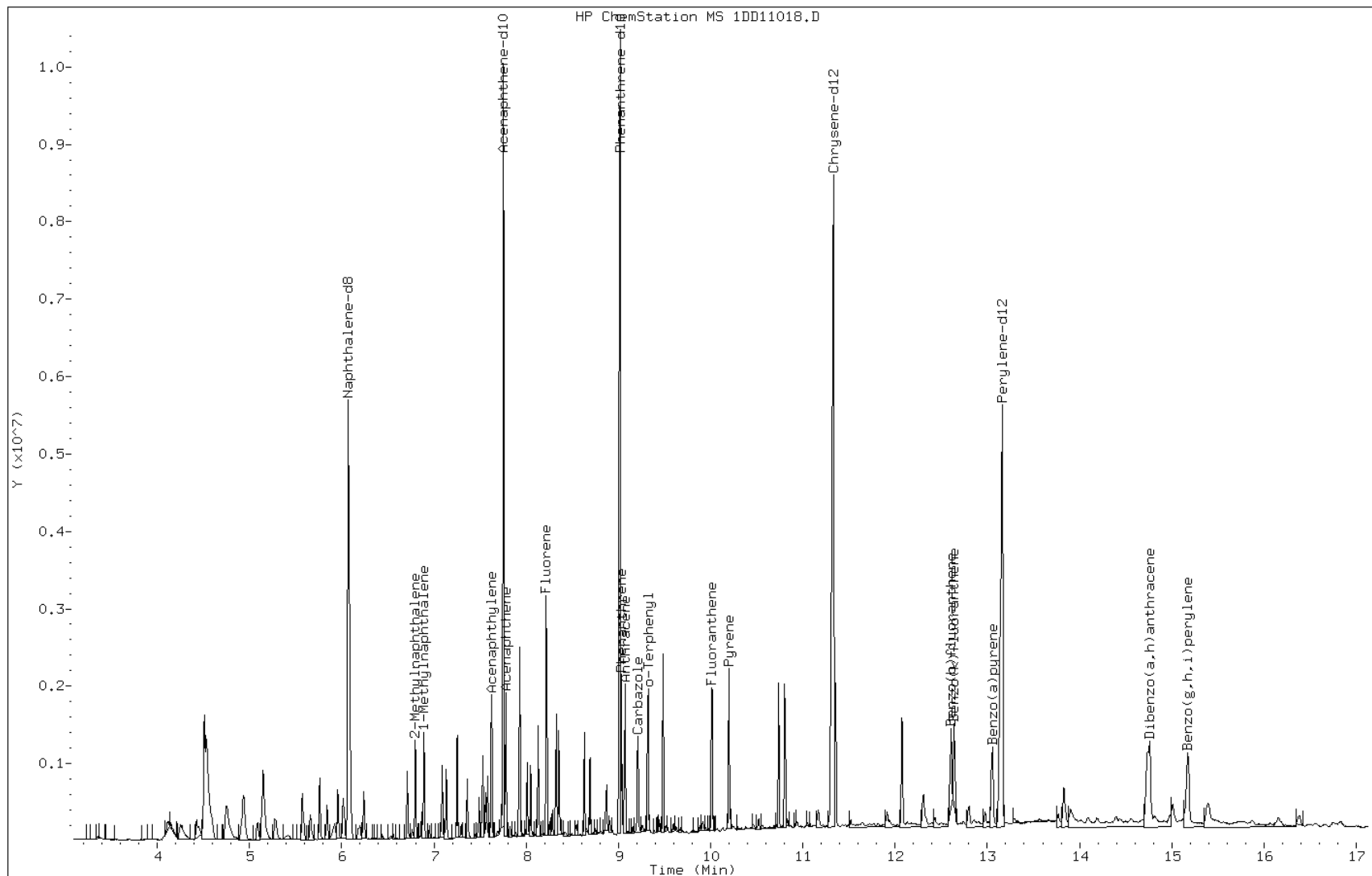
Date: 11-APR-2013 17:30

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89038-A-21-C MSD

Operator: SCC

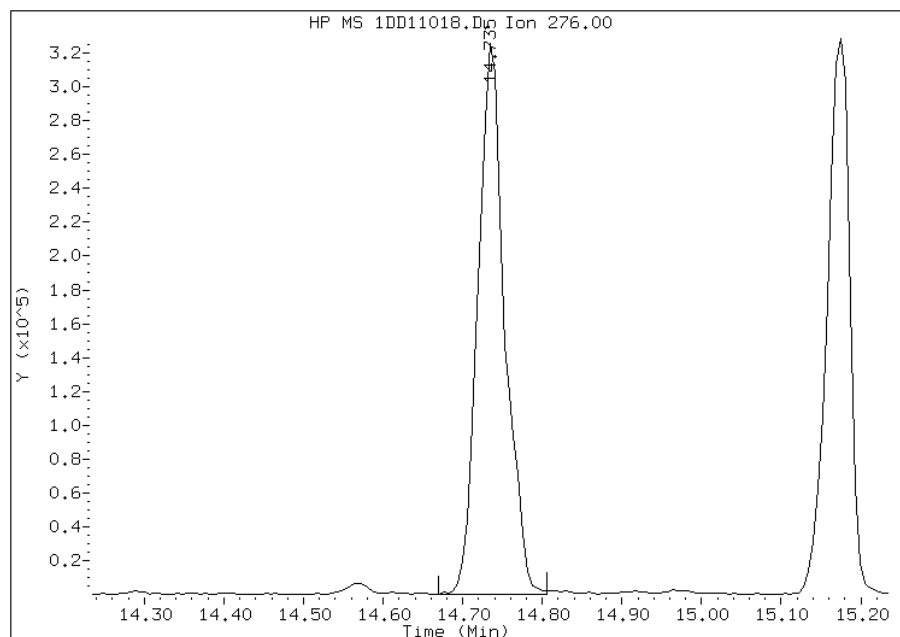


Manual Integration Report

Data File: 1DD11018.D
Inj. Date and Time: 11-APR-2013 17:30
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2013

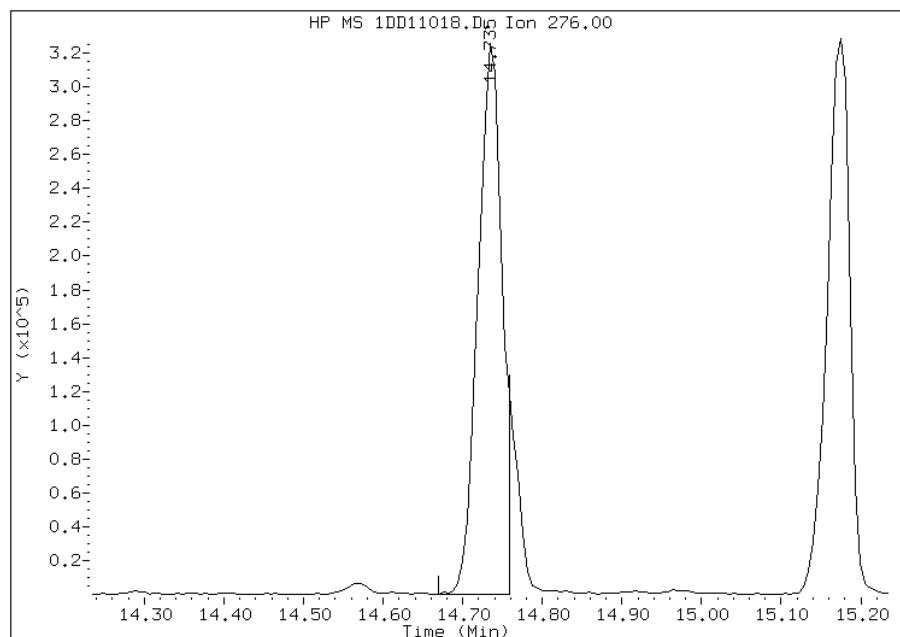
Processing Integration Results

RT: 14.73
Response: 760337
Amount: 8
Conc: 511



Manual Integration Results

RT: 14.73
Response: 681133
Amount: 7
Conc: 458



Manually Integrated By: cantins
Modification Date: 12-Apr-2013 11:14
Manual Integration Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973Start Date: 04/11/2013 11:01Analysis Batch Number: 136370End Date: 04/11/2013 21:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/11/2013 11:01	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 11:20	1		DB-5MS 250 (um)
DFTPP 660-136370/2		04/11/2013 11:38	1	1CD11002.D	DB-5MS 250 (um)
ICIS 660-136370/3		04/11/2013 11:56	1	1CD11003.D	DB-5MS 250 (um)
IC 660-136370/4		04/11/2013 12:35	1	1CD11004.D	DB-5MS 250 (um)
IC 660-136370/5		04/11/2013 12:53	1	1CD11005.D	DB-5MS 250 (um)
IC 660-136370/6		04/11/2013 13:11	1	1CD11006.D	DB-5MS 250 (um)
IC 660-136370/7		04/11/2013 13:30	1	1CD11007.D	DB-5MS 250 (um)
IC 660-136370/8		04/11/2013 13:48	1	1CD11008.D	DB-5MS 250 (um)
IC 660-136370/9		04/11/2013 14:06	1	1CD11009.D	DB-5MS 250 (um)
ICV 660-136370/10		04/11/2013 14:25	1	1CD11010.D	DB-5MS 250 (um)
ZZZZZ		04/11/2013 14:51	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 15:10	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 15:28	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 15:46	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 16:05	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 16:23	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 16:41	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 17:00	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 17:18	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 17:36	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 17:54	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 18:13	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 18:31	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 18:49	4		DB-5MS 250 (um)
ZZZZZ		04/11/2013 19:08	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 19:26	4		DB-5MS 250 (um)
ZZZZZ		04/11/2013 19:44	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 20:03	4		DB-5MS 250 (um)
ZZZZZ		04/11/2013 20:21	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 20:39	4		DB-5MS 250 (um)
ZZZZZ		04/11/2013 20:58	4		DB-5MS 250 (um)
ZZZZZ		04/11/2013 21:16	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 21:34	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 21:53	1		DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMC5973 Start Date: 04/12/2013 10:37Analysis Batch Number: 136414 End Date: 04/12/2013 17:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/12/2013 10:37	1		DB-5MS 250 (um)
ZZZZZ		04/12/2013 11:06	1		DB-5MS 250 (um)
DFTPP 660-136414/2		04/12/2013 11:24	1	1CD12002.D	DB-5MS 250 (um)
CCVIS 660-136414/3		04/12/2013 11:42	1	1CD12003.D	DB-5MS 250 (um)
ZZZZZ		04/12/2013 12:02	1		DB-5MS 250 (um)
ZZZZZ		04/12/2013 12:20	1		DB-5MS 250 (um)
680-89038-A-6-B MS		04/12/2013 12:38	1	1CD12006.D	DB-5MS 250 (um)
680-89038-A-6-C MSD		04/12/2013 12:57	1	1CD12007.D	DB-5MS 250 (um)
ZZZZZ		04/12/2013 13:15	4		DB-5MS 250 (um)
ZZZZZ		04/12/2013 13:34	1		DB-5MS 250 (um)
ZZZZZ		04/12/2013 13:52	1		DB-5MS 250 (um)
ZZZZZ		04/12/2013 14:10	1		DB-5MS 250 (um)
680-89038-22	CV1254B-CS-SP	04/12/2013 14:29	1	1CD12012.D	DB-5MS 250 (um)
680-89038-23	CV Ditch-Grab	04/12/2013 14:47	4	1CD12013.D	DB-5MS 250 (um)
680-89038-24	CV0332A-CS	04/12/2013 15:06	1	1CD12014.D	DB-5MS 250 (um)
680-89038-25	CV0332B-CS	04/12/2013 15:24	1	1CD12015.D	DB-5MS 250 (um)
680-89038-26	CV1193A-CS	04/12/2013 15:42	1	1CD12016.D	DB-5MS 250 (um)
680-89038-27	CV1193B-CS	04/12/2013 16:01	1	1CD12017.D	DB-5MS 250 (um)
680-89038-28	CV1193B-CSD	04/12/2013 16:19	1	1CD12018.D	DB-5MS 250 (um)
680-89038-29	CV1251A-CS	04/12/2013 16:38	1	1CD12019.D	DB-5MS 250 (um)
680-89038-30	CV1251B-CS	04/12/2013 16:56	4	1CD12020.D	DB-5MS 250 (um)
680-89038-31	CV1262A-CS	04/12/2013 17:14	1	1CD12021.D	DB-5MS 250 (um)
680-89038-32	CV1262B-CS	04/12/2013 17:32	1	1CD12022.D	DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMD5973 Start Date: 04/04/2013 11:04Analysis Batch Number: 136164 End Date: 04/04/2013 20:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/04/2013 11:04	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 11:30	1		DB-5MS 250 (um)
DFTPP 660-136164/2		04/04/2013 11:55	1		DB-5MS 250 (um)
DFTPP 660-136164/3		04/04/2013 12:15	1	1DD04003.D	DB-5MS 250 (um)
CCVIS 660-136164/4		04/04/2013 12:34	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 13:02	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 13:26	1		DB-5MS 250 (um)
IC 660-136164/15		04/04/2013 13:49	1	1DD04007.D	DB-5MS 250 (um)
IC 660-136164/16		04/04/2013 14:11	1	1DD04008.D	DB-5MS 250 (um)
IC 660-136164/17		04/04/2013 14:34	1	1DD04009.D	DB-5MS 250 (um)
IC 660-136164/18		04/04/2013 14:57	1	1DD04010.D	DB-5MS 250 (um)
ICIS 660-136164/19		04/04/2013 15:19	1	1DD04011.D	DB-5MS 250 (um)
IC 660-136164/20		04/04/2013 15:42	1	1DD04012.D	DB-5MS 250 (um)
IC 660-136164/21		04/04/2013 16:04	1	1DD04013.D	DB-5MS 250 (um)
ICV 660-136164/22		04/04/2013 16:27	1	1DD04014.D	DB-5MS 250 (um)
ZZZZZ		04/04/2013 16:52	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:18	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:44	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 18:09	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 18:35	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:01	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:27	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:51	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 20:13	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 20:36	1		DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: BSMD5973 Start Date: 04/11/2013 09:50Analysis Batch Number: 136371 End Date: 04/11/2013 21:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/11/2013 09:50	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 10:12	1		DB-5MS 250 (um)
DFTPP 660-136371/2		04/11/2013 10:37	1		DB-5MS 250 (um)
DFTPP 660-136371/3		04/11/2013 11:00	1	1DD11003.D	DB-5MS 250 (um)
CCVIS 660-136371/4		04/11/2013 11:20	1	1DD11004.D	DB-5MS 250 (um)
ZZZZZ		04/11/2013 11:43	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 12:06	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 12:28	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 12:51	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 13:14	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 13:36	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 13:59	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 14:21	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 14:44	1		DB-5MS 250 (um)
MB 660-136324/1-A		04/11/2013 16:00	1	1DD11014.D	DB-5MS 250 (um)
LCS 660-136324/2-A		04/11/2013 16:22	1	1DD11015.D	DB-5MS 250 (um)
680-89038-21	CV1254A-CS-SP	04/11/2013 16:45	1	1DD11016.D	DB-5MS 250 (um)
680-89038-21 MS	CV1254A-CS-SP MS	04/11/2013 17:08	1	1DD11017.D	DB-5MS 250 (um)
680-89038-21 MSD	CV1254A-CS-SP MSD	04/11/2013 17:30	1	1DD11018.D	DB-5MS 250 (um)
ZZZZZ		04/11/2013 17:53	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 18:15	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 18:38	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 19:01	1		DB-5MS 250 (um)
MB 660-136277/1-A		04/11/2013 19:23	1	1DD11023.D	DB-5MS 250 (um)
LCS 660-136277/2-A		04/11/2013 19:46	1	1DD11024.D	DB-5MS 250 (um)
ZZZZZ		04/11/2013 20:08	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 20:31	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 20:54	1		DB-5MS 250 (um)
ZZZZZ		04/11/2013 21:16	1		DB-5MS 250 (um)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Batch Number: 136277 Batch Start Date: 04/09/13 16:11 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/10/13 14:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00021	EXLLSURINT 00179		
MB 660-136277/1		3546, 8270C LL		15.46 g	1 mL		1 mL		
LCS 660-136277/2		3546, 8270C LL		15.00 g	1 mL	1 mL	1 mL		
680-89038-A-6 MS		3546, 8270C LL	T	15.34 g	1 mL	1 mL	1 mL		
680-89038-A-6 MSD		3546, 8270C LL	T	15.30 g	1 mL	1 mL	1 mL		
680-89038-A-22	CV1254B-CS-SP	3546, 8270C LL	T	15.16 g	1 mL		1 mL		
680-89038-A-23	CV Ditch-Grab	3546, 8270C LL	T	15.33 g	1 mL		1 mL		
680-89038-A-24	CV0332A-CS	3546, 8270C LL	T	15.15 g	1 mL		1 mL		
680-89038-A-25	CV0332B-CS	3546, 8270C LL	T	15.11 g	1 mL		1 mL		
680-89038-A-26	CV1193A-CS	3546, 8270C LL	T	15.03 g	1 mL		1 mL		
680-89038-A-27	CV1193B-CS	3546, 8270C LL	T	15.26 g	1 mL		1 mL		
680-89038-A-28	CV1193B-CSD	3546, 8270C LL	T	15.18 g	1 mL		1 mL		
680-89038-A-29	CV1251A-CS	3546, 8270C LL	T	15.44 g	1 mL		1 mL		
680-89038-A-30	CV1251B-CS	3546, 8270C LL	T	15.42 g	1 mL		1 mL		
680-89038-A-31	CV1262A-CS	3546, 8270C LL	T	15.21 g	1 mL		1 mL		
680-89038-A-32	CV1262B-CS	3546, 8270C LL	T	15.18 g	1 mL		1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270C LL

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Batch Number: 136277 Batch Start Date: 04/09/13 16:11 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/10/13 14:50

Batch Notes	
Acetone Lot #	EX-ACETON BOT 51
Acid used for Clean Up Reagent	N /A
Balance ID	B001
Batch Comment	NONE
Person's name who did the concentration	RYAN
Exchange Solvent Lot #	EX-MC CYCL 55
Exchange Solvent Name	DCM
Final Concentrator Volume	1 mL
MeCL2 Lot #	EX-MC CYCL 55
MeCl2/Acetone Lot #	DCM/ACETON 668
Microwave Start Time	17:15 4/9/13
Microwave Stop Time	17:40 4/9/13
Na2SO4 Lot Number	EX-NA2S04A 66
Ottawa Sand Lot #	OTTOWA SAND 15
Person's name who did the prep	SAUREL
SOP Number	TP-EX-014
Person who witnessed spiking	SELF
Surrogate Lot Number	EXLLSURINT 179
Water Bath ID	TURBOVAP2 #3/4
Water Bath Temperature	40

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Batch Number: 136324 Batch Start Date: 04/11/13 06:37 Batch Analyst: Nolan, RyanBatch Method: 3546 Batch End Date: 04/11/13 10:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00021	EXLLSURINT 00179		
MB 660-136324/1		3546, 8270C LL		15.00 g	1 mL		1 mL		
LCS 660-136324/2		3546, 8270C LL		15.00 g	1 mL	1 mL	1 mL		
680-89038-A-21	CV1254A-CS-SP	3546, 8270C LL	T	15.05 g	1 mL		1 mL		
680-89038-A-21 MS	CV1254A-CS-SP	3546, 8270C LL	T	15.16 g	1 mL	1 mL	1 mL		
680-89038-A-21 MSD	CV1254A-CS-SP	3546, 8270C LL	T	15.17 g	1 mL	1 mL	1 mL		

Batch Notes	
Acetone Lot #	EX-ACETON BOT 51
Balance ID	B001
Batch Comment	NONE
Person's name who did the concentration	RYAN
Exchange Solvent Lot #	EX-MC CYCL 55
Exchange Solvent Name	DCM
Final Concentrator Volume	1 mL
MeCl2 Lot #	EX MC CYCL 55
MeCl2/Acetone Lot #	DCM/ACETON 69
Microwave Start Time	8:20 4/11/13
Microwave Stop Time	8:55 4/11/13
Na2SO4 Lot Number	EX-NA2S04A 66
Ottawa Sand Lot #	OTTOWA SAND 16
Person's name who did the prep	RYAN
SOP Number	TP-EX014
Person who witnessed spiking	AG
Surrogate Lot Number	EXLLSURINT 179
Water Bath ID	TURBOVAP2 #3-4
Water Bath Temperature	40

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Batch Number: 136324 Batch Start Date: 04/11/13 06:37 Batch Analyst: Nolan, Ryan

Batch Method: 3546 Batch End Date: 04/11/13 10:45

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-89038-2

SDG No.: _____

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>CV1254A-CS-SP</u>	<u>680-89038-21</u>
<u>CV1254B-CS-SP</u>	<u>680-89038-22</u>
<u>CV Ditch-Grab</u>	<u>680-89038-23</u>
<u>CV0332A-CS</u>	<u>680-89038-24</u>
<u>CV0332B-CS</u>	<u>680-89038-25</u>
<u>CV1193A-CS</u>	<u>680-89038-26</u>
<u>CV1193B-CS</u>	<u>680-89038-27</u>
<u>CV1193B-CSD</u>	<u>680-89038-28</u>
<u>CV1251A-CS</u>	<u>680-89038-29</u>
<u>CV1251B-CS</u>	<u>680-89038-30</u>
<u>CV1262A-CS</u>	<u>680-89038-31</u>
<u>CV1262B-CS</u>	<u>680-89038-32</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-89038-2
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 01/01/2004 18:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-89038-2
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 04/12/2010 08:14

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/08/2013 13:01 End Date: 04/08/2013 13:01

Lab Sample ID	D / F	Type	Time	Analytes																	
				M	o	i	s	t													
ZZZZZZ			13:01																		
ZZZZZZ			13:01																		
ZZZZZZ			13:01																		
ZZZZZZ			13:01																		
ZZZZZZ			13:01																		
680-89038-21	1	T	13:01	X																	
680-89038-21 MS	1	T	13:01	X																	
680-89038-21 MSD	1	T	13:01	X																	
680-89038-22	1	T	13:01	X																	
680-89038-23	1	T	13:01	X																	
680-89038-24	1	T	13:01	X																	
680-89038-25	1	T	13:01	X																	
680-89038-26	1	T	13:01	X																	
680-89038-27	1	T	13:01	X																	
680-89038-28	1	T	13:01	X																	
680-89038-29	1	T	13:01	X																	
680-89038-30	1	T	13:01	X																	
680-89038-31	1	T	13:01	X																	
680-89038-32	1	T	13:01	X																	

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89038-2

SDG No.: _____

Batch Number: 136226 Batch Start Date: 04/08/13 13:01 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
680-89038-A-6 MS		Moisture	T	27	0 g	5.09 g	3.05 g		
680-89038-A-6 MSD		Moisture	T	27	0 g	5.09 g	3.05 g		
680-89038-A-21	CV1254A-CS-SP	Moisture	T	42	0 g	4.27 g	2.45 g		
680-89038-A-21 MS	CV1254A-CS-SP	Moisture	T	42	0 g	4.27 g	2.45 g		
680-89038-A-21 MSD	CV1254A-CS-SP	Moisture	T	42	0 g	4.27 g	2.45 g		
680-89038-A-22	CV1254B-CS-SP	Moisture	T	43	0 g	6.63 g	4.08 g		
680-89038-A-23	CV Ditch-Grab	Moisture	T	44	0 g	5.21 g	3.31 g		
680-89038-A-24	CV0332A-CS	Moisture	T	45	0 g	4.85 g	2.91 g		
680-89038-A-25	CV0332B-CS	Moisture	T	46	0 g	4.45 g	3.29 g		
680-89038-A-26	CV1193A-CS	Moisture	T	47	0 g	5.61 g	3.46 g		
680-89038-A-27	CV1193B-CS	Moisture	T	48	0 g	5.65 g	3.48 g		
680-89038-A-28	CV1193B-CSD	Moisture	T	49	0 g	4.43 g	2.49 g		
680-89038-A-29	CV1251A-CS	Moisture	T	50	0 g	4.22 g	2.75 g		
680-89038-A-30	CV1251B-CS	Moisture	T	51	0 g	5.06 g	3.02 g		
680-89038-A-31	CV1262A-CS	Moisture	T	52	0 g	5.73 g	4.07 g		
680-89038-A-32	CV1262B-CS	Moisture	T	53	0 g	4.41 g	3.08 g		

Batch Notes	
Balance ID	2 No Unit
Date samples were placed in the oven	4.8.13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Shipping and Receiving Documents

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>2</i> OF <i>3</i>
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(b) (6)	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
					<i>LLPAH</i> <i>Merel RCRA 8</i>	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____

COMPANY CONTRACTING THIS WORK (if applicable)	PRESERVATIVE	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
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SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS				
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12		
<i>4-3-13</i>	<i>0940</i>	<i>CV0053D - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1044</i>	<i>CV0789A - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1049</i>	<i>CV0789B - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1000</i>	<i>CV0818A - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1007</i>	<i>CV0818B - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1350</i>	<i>CV0741A - CS - SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1400</i>	<i>CV0741B - CS - SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1465</i>	<i>CV0741C - GS - SP</i>	<i>G</i>	<i>X</i>			<i>X</i>															
	<i>1245</i>	<i>CV1254A - CS - SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1255</i>	<i>CV1254B - CS - SP</i>	<i>C</i>	<i>X</i>			<i>X</i>															
	<i>1305</i>	<i>CV Ditch - Grab</i>	<i>G</i>	<i>X</i>			<i>X</i>															
	<i>1420</i>	<i>CV 0332 A - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>															

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-4-13</i>	TIME <i>0920</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY								
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4/05/13</i>	TIME <i>0957</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>650-89038</i>	LABORATORY REMARKS <i>4.2c</i>		

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE 35th Ave Removal	PROJECT NO. 2005148-1356	PROJECT LOCATION (STATE) AL	MATRIX TYPE	REQUIRED ANALYSIS	PAGE 3	3 OF
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(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE
AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

W PAH	Metal PCBs																		
PRESERVATIVE																			

STANDARD REPORT DELIVERY

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

COMPANY CONTRACTING THIS WORK (if applicable)

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS		
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12
4-3-13	1425	CV0332B-CS	C	X			X													
	1522	CV1193A-CS	C	X			X													
	1530	CV1193B-CS	C	X			X													
	1534	CV1193B-CSD	C	X			X													
	1342	CV1251A-CS	C	X			X													
	1350	CV1251B-CS	C	X			X	X												
	1315	CV1262A-CS	C	X			X													
	1320	CV1262B-CS	C	X			X													
	0910	CV0053A-CS (sieve)	C	X				X												
	0915	CV0053A-CSD (sieve)	C	X				X												
	1035	CV1311B-CS-SP (sieve)	C	X				X												
	1350	CV1251B-CS (sieve)	C	X				X												

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 4-4-13	TIME 0920	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE 04/05/13	TIME 0957	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 89038	LABORATORY REMARKS 7.2°C
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Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Login Number: 89038

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Login Number: 89038
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa
List Creation: 04/08/13 12:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-89038-2

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

4/17/2013 12:46:24 PM

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Designee for

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Project Manager II

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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Job ID: 680-89038-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89038-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1254A-CS-SP (680-89038-21), CV1254B-CS-SP (680-89038-22), CV Ditch-Grab (680-89038-23), CV0332A-CS (680-89038-24), CV0332B-CS (680-89038-25), CV1193A-CS (680-89038-26), CV1193B-CS (680-89038-27), CV1193B-CSD (680-89038-28), CV1251A-CS (680-89038-29), CV1251B-CS (680-89038-30), CV1262A-CS (680-89038-31) and CV1262B-CS (680-89038-32) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/09/2013 and 04/11/2013 and analyzed on 04/11/2013 and 04/12/2013.

Samples CV Ditch-Grab (680-89038-23)[4X] and CV1251B-CS (680-89038-30)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89038-21	CV1254A-CS-SP	Solid	04/03/13 12:45	04/05/13 11:23
680-89038-22	CV1254B-CS-SP	Solid	04/03/13 12:55	04/05/13 11:23
680-89038-23	CV Ditch-Grab	Solid	04/03/13 13:05	04/05/13 11:23
680-89038-24	CV0332A-CS	Solid	04/03/13 14:20	04/05/13 11:23
680-89038-25	CV0332B-CS	Solid	04/03/13 14:25	04/05/13 11:23
680-89038-26	CV1193A-CS	Solid	04/03/13 15:22	04/05/13 11:23
680-89038-27	CV1193B-CS	Solid	04/03/13 15:30	04/05/13 11:23
680-89038-28	CV1193B-CSD	Solid	04/03/13 15:34	04/05/13 11:23
680-89038-29	CV1251A-CS	Solid	04/03/13 13:42	04/05/13 11:23
680-89038-30	CV1251B-CS	Solid	04/03/13 13:50	04/05/13 11:23
680-89038-31	CV1262A-CS	Solid	04/03/13 13:15	04/05/13 11:23
680-89038-32	CV1262B-CS	Solid	04/03/13 13:20	04/05/13 11:23

Method Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Method	Method Description	Protocol	Laboratory
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL TAM
Moisture	Percent Moisture	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

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Definitions/Glossary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1254A-CS-SP

Lab Sample ID: 680-89038-21

Date Collected: 04/03/13 12:45

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 57.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	35	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Acenaphthylene	69	U	69	8.7	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Anthracene	15	U	15	7.3	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[a]anthracene	33		14	6.8	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[a]pyrene	31		18	9.0	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[b]fluoranthene	80		21	11	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[g,h,i]perylene	39		35	7.6	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Benzo[k]fluoranthene	20		14	6.3	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Chrysene	54		16	7.8	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Dibenz(a,h)anthracene	13	J	35	7.1	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Fluoranthene	33	J	35	6.9	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Fluorene	35	U	35	7.1	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Indeno[1,2,3-cd]pyrene	33	J	35	12	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
1-Methylnaphthalene	12	J	69	7.6	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
2-Methylnaphthalene	17	J	69	12	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Naphthalene	16	J	69	7.6	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Phenanthrene	22		14	6.8	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1
Pyrene	24	J	35	6.4	ug/Kg	☼	04/11/13 06:37	04/11/13 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	45		30 - 130	04/11/13 06:37	04/11/13 16:45	1

Client Sample ID: CV1254B-CS-SP

Lab Sample ID: 680-89038-22

Date Collected: 04/03/13 12:55

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	32	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Acenaphthylene	8.8	J	64	8.0	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Anthracene	14	U	14	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[a]anthracene	38		13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[a]pyrene	30		17	8.4	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[b]fluoranthene	43		20	9.8	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[g,h,i]perylene	19	J	32	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Benzo[k]fluoranthene	18		13	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Chrysene	16		14	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Dibenz(a,h)anthracene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Fluoranthene	41		32	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Fluorene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Indeno[1,2,3-cd]pyrene	32	U	32	11	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
1-Methylnaphthalene	64	U	64	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
2-Methylnaphthalene	64	U	64	11	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Naphthalene	14	J	64	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Phenanthrene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1
Pyrene	35		32	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	64		30 - 130	04/09/13 16:11	04/12/13 14:29	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV Ditch-Grab

Lab Sample ID: 680-89038-23

Date Collected: 04/03/13 13:05

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 63.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	620	U	620	120	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Acenaphthylene	250	U	250	31	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Anthracene	52	U	52	26	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[a]anthracene	49	U	49	24	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[a]pyrene	180		64	32	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[b]fluoranthene	160		75	38	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[g,h,i]perylene	250		120	27	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Benzo[k]fluoranthene	36 J		49	22	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Chrysene	79		55	28	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Dibenz(a,h)anthracene	300		120	25	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Fluoranthene	130		120	25	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Fluorene	120	U	120	25	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Indeno[1,2,3-cd]pyrene	120	U	120	44	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
1-Methylnaphthalene	250	U	250	27	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
2-Methylnaphthalene	250	U	250	44	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Naphthalene	250	U	250	27	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Phenanthrene	49	U	49	24	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Pyrene	52 J		120	23	ug/Kg	☼	04/09/13 16:11	04/12/13 14:47	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	80		30 - 130				04/09/13 16:11	04/12/13 14:47	4

Client Sample ID: CV0332A-CS

Lab Sample ID: 680-89038-24

Date Collected: 04/03/13 14:20

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 60.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	33	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Acenaphthylene	10 J		66	8.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Anthracene	14	U	14	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[a]anthracene	47		13	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[a]pyrene	17		17	8.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[b]fluoranthene	26		20	10	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[g,h,i]perylene	28 J		33	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Benzo[k]fluoranthene	17		13	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Chrysene	35		15	7.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Dibenz(a,h)anthracene	33	U	33	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Fluoranthene	39		33	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Fluorene	33	U	33	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Indeno[1,2,3-cd]pyrene	33	U	33	12	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
1-Methylnaphthalene	66	U	66	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
2-Methylnaphthalene	66	U	66	12	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Naphthalene	16 J		66	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Phenanthrene	13	U	13	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Pyrene	31 J		33	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	56		30 - 130				04/09/13 16:11	04/12/13 15:06	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV0332B-CS

Lab Sample ID: 680-89038-25

Date Collected: 04/03/13 14:25

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 73.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Acenaphthylene	22	J	54	6.7	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Anthracene	15		11	5.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[a]anthracene	120		11	5.2	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[a]pyrene	100		14	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[b]fluoranthene	180		16	8.2	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[g,h,i]perylene	56		27	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Benzo[k]fluoranthene	94		11	4.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Chrysene	110		12	6.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Dibenz(a,h)anthracene	76		27	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Fluoranthene	140		27	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Fluorene	7.7	J	27	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Indeno[1,2,3-cd]pyrene	110		27	9.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
1-Methylnaphthalene	29	J	54	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
2-Methylnaphthalene	58		54	9.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Naphthalene	83		54	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Phenanthrene	58		11	5.2	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Pyrene	79		27	5.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	59		30 - 130				04/09/13 16:11	04/12/13 15:24	1

Client Sample ID: CV1193A-CS

Lab Sample ID: 680-89038-26

Date Collected: 04/03/13 15:22

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	32	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Acenaphthylene	65	U	65	8.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Anthracene	14	U	14	6.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[a]anthracene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[a]pyrene	45		17	8.4	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[b]fluoranthene	66		20	9.9	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[g,h,i]perylene	26	J	32	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Benzo[k]fluoranthene	11	J	13	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Chrysene	24		15	7.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Dibenz(a,h)anthracene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Fluoranthene	34		32	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Fluorene	32	U	32	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Indeno[1,2,3-cd]pyrene	32	U	32	11	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
1-Methylnaphthalene	20	J	65	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
2-Methylnaphthalene	58	J	65	11	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Naphthalene	22	J	65	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Phenanthrene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Pyrene	37		32	6.0	ug/Kg	☼	04/09/13 16:11	04/12/13 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	58		30 - 130				04/09/13 16:11	04/12/13 15:42	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1193B-CS

Lab Sample ID: 680-89038-27

Date Collected: 04/03/13 15:30

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	32	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Acenaphthylene	64	U	64	8.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Anthracene	15		13	6.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[a]anthracene	53		13	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[a]pyrene	35		17	8.3	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[b]fluoranthene	82		19	9.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[g,h,i]perylene	38		32	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Benzo[k]fluoranthene	28		13	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Chrysene	61		14	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Dibenz(a,h)anthracene	32	U	32	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Fluoranthene	53		32	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Fluorene	32	U	32	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Indeno[1,2,3-cd]pyrene	110		32	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
1-Methylnaphthalene	42	J	64	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
2-Methylnaphthalene	70		64	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Naphthalene	51	J	64	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Phenanthrene	47		13	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Pyrene	38		32	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	49		30 - 130				04/09/13 16:11	04/12/13 16:01	1

Client Sample ID: CV1193B-CSD

Lab Sample ID: 680-89038-28

Date Collected: 04/03/13 15:34

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 56.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	180	U	180	35	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Acenaphthylene	14	J	70	8.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Anthracene	12	J	15	7.4	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[a]anthracene	82		14	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[a]pyrene	52		18	9.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[b]fluoranthene	100		21	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[g,h,i]perylene	56		35	7.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Benzo[k]fluoranthene	36		14	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Chrysene	61		16	7.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Dibenz(a,h)anthracene	35	U	35	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Fluoranthene	72		35	7.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Fluorene	35	U	35	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Indeno[1,2,3-cd]pyrene	130		35	12	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
1-Methylnaphthalene	100		70	7.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
2-Methylnaphthalene	110		70	12	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Naphthalene	85		70	7.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Phenanthrene	78		14	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Pyrene	70		35	6.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	65		30 - 130				04/09/13 16:11	04/12/13 16:19	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1251A-CS

Lab Sample ID: 680-89038-29

Date Collected: 04/03/13 13:42

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 65.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	30	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Acenaphthylene	60	U	60	7.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Anthracene	13	U	13	6.3	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[a]anthracene	12	U	12	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[a]pyrene	18		16	7.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[b]fluoranthene	33		18	9.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[g,h,i]perylene	14 J		30	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Benzo[k]fluoranthene	21		12	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Chrysene	22		13	6.7	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Dibenz(a,h)anthracene	30	U	30	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Fluoranthene	30		30	6.0	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Fluorene	30	U	30	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Indeno[1,2,3-cd]pyrene	30	U	30	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
1-Methylnaphthalene	20 J		60	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
2-Methylnaphthalene	45 J		60	11	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Naphthalene	22 J		60	6.6	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Phenanthrene	12	U	12	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Pyrene	16 J		30	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	67		30 - 130				04/09/13 16:11	04/12/13 16:38	1

Client Sample ID: CV1251B-CS

Lab Sample ID: 680-89038-30

Date Collected: 04/03/13 13:50

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 59.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	650	U	650	130	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Acenaphthylene	260	U	260	33	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Anthracene	55	U	55	27	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[a]anthracene	170		52	25	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[a]pyrene	84		68	34	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[b]fluoranthene	97		80	40	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[g,h,i]perylene	48 J		130	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Benzo[k]fluoranthene	46 J		52	23	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Chrysene	76		59	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Dibenz(a,h)anthracene	130	U	130	27	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Fluoranthene	150		130	26	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Fluorene	130	U	130	27	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Indeno[1,2,3-cd]pyrene	130	U	130	46	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
1-Methylnaphthalene	220 J		260	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
2-Methylnaphthalene	330		260	46	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Naphthalene	200 J		260	29	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Phenanthrene	52	U	52	25	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Pyrene	130		130	24	ug/Kg	☼	04/09/13 16:11	04/12/13 16:56	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	91		30 - 130				04/09/13 16:11	04/12/13 16:56	4

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1262A-CS

Lab Sample ID: 680-89038-31

Date Collected: 04/03/13 13:15

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 71.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Acenaphthylene	7.5	J	56	6.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Anthracene	7.8	J	12	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[a]anthracene	32		11	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[a]pyrene	21		14	7.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[b]fluoranthene	26		17	8.5	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[g,h,i]perylene	19	J	28	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Benzo[k]fluoranthene	21		11	5.0	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Chrysene	26		12	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Dibenz(a,h)anthracene	28	U	28	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Fluoranthene	39		28	5.6	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Fluorene	28	U	28	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Indeno[1,2,3-cd]pyrene	28	U	28	9.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
1-Methylnaphthalene	24	J	56	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
2-Methylnaphthalene	66		56	9.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Naphthalene	49	J	56	6.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Phenanthrene	41		11	5.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Pyrene	40		28	5.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	63		30 - 130				04/09/13 16:11	04/12/13 17:14	1

Client Sample ID: CV1262B-CS

Lab Sample ID: 680-89038-32

Date Collected: 04/03/13 13:20

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 69.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Acenaphthylene	19	J	57	7.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Anthracene	20		12	5.9	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[a]anthracene	220		11	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[a]pyrene	250		15	7.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[b]fluoranthene	350		17	8.6	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[g,h,i]perylene	170		28	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Benzo[k]fluoranthene	120		11	5.1	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Chrysene	210		13	6.4	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Dibenz(a,h)anthracene	88		28	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Fluoranthene	200		28	5.7	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Fluorene	28	U	28	5.8	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Indeno[1,2,3-cd]pyrene	190		28	10	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
1-Methylnaphthalene	33	J	57	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
2-Methylnaphthalene	56	J	57	10	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Naphthalene	28	J	57	6.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Phenanthrene	47		11	5.5	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Pyrene	230		28	5.2	ug/Kg	☼	04/09/13 16:11	04/12/13 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	70		30 - 130				04/09/13 16:11	04/12/13 17:32	1

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 660-136277/1-A

Matrix: Solid

Analysis Batch: 136371

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	97	U	97	19	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Acenaphthylene	39	U	39	4.9	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Anthracene	8.2	U	8.2	4.1	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Benzo[a]anthracene	7.8	U	7.8	3.8	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Benzo[a]pyrene	10	U	10	5.0	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Benzo[b]fluoranthene	12	U	12	5.9	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Benzo[g,h,i]perylene	19	U	19	4.3	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Benzo[k]fluoranthene	7.8	U	7.8	3.5	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Chrysene	8.7	U	8.7	4.4	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Dibenz(a,h)anthracene	19	U	19	4.0	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Fluoranthene	19	U	19	3.9	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Fluorene	19	U	19	4.0	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Indeno[1,2,3-cd]pyrene	19	U	19	6.9	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
1-Methylnaphthalene	39	U	39	4.3	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
2-Methylnaphthalene	39	U	39	6.9	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Naphthalene	39	U	39	4.3	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Phenanthrene	7.8	U	7.8	3.8	ug/Kg		04/09/13 16:11	04/11/13 19:23	1
Pyrene	19	U	19	3.6	ug/Kg		04/09/13 16:11	04/11/13 19:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	64		30 - 130	04/09/13 16:11	04/11/13 19:23	1

Lab Sample ID: LCS 660-136277/2-A

Matrix: Solid

Analysis Batch: 136371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	524		ug/Kg		79	39 - 130
Acenaphthylene	667	545		ug/Kg		82	38 - 130
Anthracene	667	557		ug/Kg		84	37 - 130
Benzo[a]anthracene	667	588		ug/Kg		88	40 - 130
Benzo[a]pyrene	667	531		ug/Kg		80	49 - 130
Benzo[b]fluoranthene	667	594		ug/Kg		89	37 - 130
Benzo[g,h,i]perylene	667	583		ug/Kg		88	32 - 130
Benzo[k]fluoranthene	667	599		ug/Kg		90	32 - 130
Chrysene	667	571		ug/Kg		86	41 - 130
Dibenz(a,h)anthracene	667	621		ug/Kg		93	27 - 130
Fluoranthene	667	600		ug/Kg		90	40 - 130
Fluorene	667	579		ug/Kg		87	40 - 130
Indeno[1,2,3-cd]pyrene	667	595		ug/Kg		89	30 - 130
1-Methylnaphthalene	667	565		ug/Kg		85	31 - 130
2-Methylnaphthalene	667	556		ug/Kg		83	33 - 130
Naphthalene	667	533		ug/Kg		80	36 - 130
Phenanthrene	667	543		ug/Kg		81	42 - 130
Pyrene	667	552		ug/Kg		83	44 - 130

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136277/2-A
Matrix: Solid
Analysis Batch: 136371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136277

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	87		30 - 130

Lab Sample ID: MB 660-136324/1-A
Matrix: Solid
Analysis Batch: 136371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136324

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	100	U	100	20	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Acenaphthylene	40	U	40	5.0	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Anthracene	8.4	U	8.4	4.2	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Benzo[a]anthracene	8.0	U	8.0	3.9	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Benzo[a]pyrene	10	U	10	5.2	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Benzo[b]fluoranthene	12	U	12	6.1	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Benzo[g,h,i]perylene	20	U	20	4.4	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Benzo[k]fluoranthene	8.0	U	8.0	3.6	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Chrysene	9.0	U	9.0	4.5	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Dibenz(a,h)anthracene	20	U	20	4.1	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Fluoranthene	20	U	20	4.0	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Fluorene	20	U	20	4.1	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Indeno[1,2,3-cd]pyrene	20	U	20	7.1	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
1-Methylnaphthalene	40	U	40	4.4	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
2-Methylnaphthalene	40	U	40	7.1	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Naphthalene	40	U	40	4.4	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Phenanthrene	8.0	U	8.0	3.9	ug/Kg		04/11/13 06:37	04/11/13 16:00	1
Pyrene	20	U	20	3.7	ug/Kg		04/11/13 06:37	04/11/13 16:00	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl	69		30 - 130	04/11/13 06:37	04/11/13 16:00	1

Lab Sample ID: LCS 660-136324/2-A
Matrix: Solid
Analysis Batch: 136371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136324

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acenaphthene	667	340		ug/Kg		51	39 - 130
Acenaphthylene	667	356		ug/Kg		53	38 - 130
Anthracene	667	348		ug/Kg		52	37 - 130
Benzo[a]anthracene	667	370		ug/Kg		56	40 - 130
Benzo[a]pyrene	667	335		ug/Kg		50	49 - 130
Benzo[b]fluoranthene	667	394		ug/Kg		59	37 - 130
Benzo[g,h,i]perylene	667	370		ug/Kg		55	32 - 130
Benzo[k]fluoranthene	667	365		ug/Kg		55	32 - 130
Chrysene	667	356		ug/Kg		53	41 - 130
Dibenz(a,h)anthracene	667	384		ug/Kg		58	27 - 130
Fluoranthene	667	376		ug/Kg		56	40 - 130
Fluorene	667	373		ug/Kg		56	40 - 130
Indeno[1,2,3-cd]pyrene	667	376		ug/Kg		56	30 - 130
1-Methylnaphthalene	667	383		ug/Kg		58	31 - 130

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136324/2-A

Matrix: Solid

Analysis Batch: 136371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	667	368		ug/Kg		55	33 - 130
Naphthalene	667	360		ug/Kg		54	36 - 130
Phenanthrene	667	354		ug/Kg		53	42 - 130
Pyrene	667	350		ug/Kg		52	44 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl	54		30 - 130

Lab Sample ID: 680-89038-21 MS

Matrix: Solid

Analysis Batch: 136371

Client Sample ID: CV1254A-CS-SP

Prep Type: Total/NA

Prep Batch: 136324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	170	U	1150	570		ug/Kg	☼	50	39 - 130
Acenaphthylene	69	U	1150	602		ug/Kg	☼	52	38 - 130
Anthracene	15	U	1150	589		ug/Kg	☼	51	37 - 130
Benzo[a]anthracene	33		1150	679		ug/Kg	☼	56	40 - 130
Benzo[a]pyrene	31		1150	628		ug/Kg	☼	52	49 - 130
Benzo[b]fluoranthene	80		1150	850		ug/Kg	☼	67	37 - 130
Benzo[g,h,i]perylene	39		1150	726		ug/Kg	☼	60	32 - 130
Benzo[k]fluoranthene	20		1150	672		ug/Kg	☼	57	32 - 130
Chrysene	54		1150	715		ug/Kg	☼	58	41 - 130
Dibenz(a,h)anthracene	13	J	1150	668		ug/Kg	☼	57	27 - 130
Fluoranthene	33	J	1150	718		ug/Kg	☼	60	40 - 130
Fluorene	35	U	1150	621		ug/Kg	☼	54	40 - 130
Indeno[1,2,3-cd]pyrene	33	J	1150	686		ug/Kg	☼	57	30 - 130
1-Methylnaphthalene	12	J	1150	649		ug/Kg	☼	55	31 - 130
2-Methylnaphthalene	17	J	1150	646		ug/Kg	☼	55	33 - 130
Naphthalene	16	J	1150	610		ug/Kg	☼	52	36 - 130
Phenanthrene	22		1150	636		ug/Kg	☼	53	42 - 130
Pyrene	24	J	1150	638		ug/Kg	☼	53	44 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>o</i> -Terphenyl	53		30 - 130

Lab Sample ID: 680-89038-21 MSD

Matrix: Solid

Analysis Batch: 136371

Client Sample ID: CV1254A-CS-SP

Prep Type: Total/NA

Prep Batch: 136324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	170	U	1150	673		ug/Kg	☼	59	39 - 130	17	40
Acenaphthylene	69	U	1150	706		ug/Kg	☼	61	38 - 130	16	40
Anthracene	15	U	1150	699		ug/Kg	☼	61	37 - 130	17	40
Benzo[a]anthracene	33		1150	790		ug/Kg	☼	66	40 - 130	15	40
Benzo[a]pyrene	31		1150	690		ug/Kg	☼	57	49 - 130	9	40
Benzo[b]fluoranthene	80		1150	881		ug/Kg	☼	70	37 - 130	4	40
Benzo[g,h,i]perylene	39		1150	792		ug/Kg	☼	66	32 - 130	9	40
Benzo[k]fluoranthene	20		1150	738		ug/Kg	☼	63	32 - 130	9	40

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-89038-21 MSD

Matrix: Solid

Analysis Batch: 136371

Client Sample ID: CV1254A-CS-SP

Prep Type: Total/NA

Prep Batch: 136324

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chrysene	54		1150	769		ug/Kg	*	62	41 - 130	7	40
Dibenz(a,h)anthracene	13	J	1150	776		ug/Kg	*	66	27 - 130	15	40
Fluoranthene	33	J	1150	823		ug/Kg	*	69	40 - 130	14	40
Fluorene	35	U	1150	735		ug/Kg	*	64	40 - 130	17	40
Indeno[1,2,3-cd]pyrene	33	J	1150	798		ug/Kg	*	67	30 - 130	15	40
1-Methylnaphthalene	12	J	1150	751		ug/Kg	*	64	31 - 130	15	40
2-Methylnaphthalene	17	J	1150	742		ug/Kg	*	63	33 - 130	14	40
Naphthalene	16	J	1150	719		ug/Kg	*	61	36 - 130	16	40
Phenanthrene	22		1150	747		ug/Kg	*	63	42 - 130	16	40
Pyrene	24	J	1150	732		ug/Kg	*	62	44 - 130	14	40
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
<i>o</i> -Terphenyl	62		30 - 130								

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

GC/MS Semi VOA

Prep Batch: 136277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-22	CV1254B-CS-SP	Total/NA	Solid	3546	
680-89038-23	CV Ditch-Grab	Total/NA	Solid	3546	
680-89038-24	CV0332A-CS	Total/NA	Solid	3546	
680-89038-25	CV0332B-CS	Total/NA	Solid	3546	
680-89038-26	CV1193A-CS	Total/NA	Solid	3546	
680-89038-27	CV1193B-CS	Total/NA	Solid	3546	
680-89038-28	CV1193B-CSD	Total/NA	Solid	3546	
680-89038-29	CV1251A-CS	Total/NA	Solid	3546	
680-89038-30	CV1251B-CS	Total/NA	Solid	3546	
680-89038-31	CV1262A-CS	Total/NA	Solid	3546	
680-89038-32	CV1262B-CS	Total/NA	Solid	3546	
LCS 660-136277/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136277/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 136324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-21	CV1254A-CS-SP	Total/NA	Solid	3546	
680-89038-21 MS	CV1254A-CS-SP	Total/NA	Solid	3546	
680-89038-21 MSD	CV1254A-CS-SP	Total/NA	Solid	3546	
LCS 660-136324/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136324/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 136371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-21	CV1254A-CS-SP	Total/NA	Solid	8270C LL	136324
680-89038-21 MS	CV1254A-CS-SP	Total/NA	Solid	8270C LL	136324
680-89038-21 MSD	CV1254A-CS-SP	Total/NA	Solid	8270C LL	136324
LCS 660-136277/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136277
LCS 660-136324/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136324
MB 660-136277/1-A	Method Blank	Total/NA	Solid	8270C LL	136277
MB 660-136324/1-A	Method Blank	Total/NA	Solid	8270C LL	136324

Analysis Batch: 136414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-22	CV1254B-CS-SP	Total/NA	Solid	8270C LL	136277
680-89038-23	CV Ditch-Grab	Total/NA	Solid	8270C LL	136277
680-89038-24	CV0332A-CS	Total/NA	Solid	8270C LL	136277
680-89038-25	CV0332B-CS	Total/NA	Solid	8270C LL	136277
680-89038-26	CV1193A-CS	Total/NA	Solid	8270C LL	136277
680-89038-27	CV1193B-CS	Total/NA	Solid	8270C LL	136277
680-89038-28	CV1193B-CSD	Total/NA	Solid	8270C LL	136277
680-89038-29	CV1251A-CS	Total/NA	Solid	8270C LL	136277
680-89038-30	CV1251B-CS	Total/NA	Solid	8270C LL	136277
680-89038-31	CV1262A-CS	Total/NA	Solid	8270C LL	136277
680-89038-32	CV1262B-CS	Total/NA	Solid	8270C LL	136277

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

General Chemistry

Analysis Batch: 136226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-21	CV1254A-CS-SP	Total/NA	Solid	Moisture	
680-89038-21 MS	CV1254A-CS-SP	Total/NA	Solid	Moisture	
680-89038-21 MSD	CV1254A-CS-SP	Total/NA	Solid	Moisture	
680-89038-22	CV1254B-CS-SP	Total/NA	Solid	Moisture	
680-89038-23	CV Ditch-Grab	Total/NA	Solid	Moisture	
680-89038-24	CV0332A-CS	Total/NA	Solid	Moisture	
680-89038-25	CV0332B-CS	Total/NA	Solid	Moisture	
680-89038-26	CV1193A-CS	Total/NA	Solid	Moisture	
680-89038-27	CV1193B-CS	Total/NA	Solid	Moisture	
680-89038-28	CV1193B-CSD	Total/NA	Solid	Moisture	
680-89038-29	CV1251A-CS	Total/NA	Solid	Moisture	
680-89038-30	CV1251B-CS	Total/NA	Solid	Moisture	
680-89038-31	CV1262A-CS	Total/NA	Solid	Moisture	
680-89038-32	CV1262B-CS	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1254A-CS-SP

Lab Sample ID: 680-89038-21

Date Collected: 04/03/13 12:45

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 57.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136324	04/11/13 06:37	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	136371	04/11/13 16:45	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV1254B-CS-SP

Lab Sample ID: 680-89038-22

Date Collected: 04/03/13 12:55

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 14:29	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV Ditch-Grab

Lab Sample ID: 680-89038-23

Date Collected: 04/03/13 13:05

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 63.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136414	04/12/13 14:47	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV0332A-CS

Lab Sample ID: 680-89038-24

Date Collected: 04/03/13 14:20

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 60.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 15:06	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV0332B-CS

Lab Sample ID: 680-89038-25

Date Collected: 04/03/13 14:25

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 15:24	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1193A-CS

Lab Sample ID: 680-89038-26

Date Collected: 04/03/13 15:22

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 15:42	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV1193B-CS

Lab Sample ID: 680-89038-27

Date Collected: 04/03/13 15:30

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 61.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 16:01	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV1193B-CSD

Lab Sample ID: 680-89038-28

Date Collected: 04/03/13 15:34

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 56.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 16:19	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV1251A-CS

Lab Sample ID: 680-89038-29

Date Collected: 04/03/13 13:42

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 65.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 16:38	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV1251B-CS

Lab Sample ID: 680-89038-30

Date Collected: 04/03/13 13:50

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 59.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136414	04/12/13 16:56	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

TestAmerica Savannah

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Client Sample ID: CV1262A-CS

Lab Sample ID: 680-89038-31

Date Collected: 04/03/13 13:15

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 17:14	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV1262B-CS

Lab Sample ID: 680-89038-32

Date Collected: 04/03/13 13:20

Matrix: Solid

Date Received: 04/05/13 11:23

Percent Solids: 69.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136277	04/09/13 16:11	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136414	04/12/13 17:32	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal PROJECT NO.: 2005149-1356 PROJECT LOCATION (STATE): AL MATRIX TYPE: _____ REQUIRED ANALYSIS: _____ PAGE 2 OF 3

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable): _____

STANDARD REPORT DELIVERY: DATE DUE: _____
EXPEDITED REPORT DELIVERY (SURCHARGE): DATE DUE: _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: _____

LLPAH
Merel RCRA 8

PRESERVATIVE

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS										REMARKS		
DATE	TIME							NUMBER OF CONTAINERS SUBMITTED												
4-3-13	0940	CV0053D - CS	C	X			X													
	1044	CV0789A - CS	C	X			X													
	1049	CV0789B - CS	C	X			X													
	1000	CV0818A - CS	C	X			X													
	1007	CV0818B - CS	C	X			X													
	1350	CV0741A - CS - SP	C	X			X													
	1400	CV0741B - CS - SP	C	X			X													
	1405	CV0741C - GS - SP	G	X			X													
	1245	CV1254A - CS - SP	C	X			X													
	1255	CV1254B - CS - SP	C	X			X													
	1305	CV Ditch - Grab	G	X			X													
	1420	CV 0332 A - CS	C	X			X													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 4-4-13	TIME 0920	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) *[Signature]* DATE 04/05/13 TIME 09:57 CUSTODY INTACT YES NO

CUSTODY SEAL NO. _____ SAVANNAH LOG NO. 650-89038 LABORATORY REMARKS Y.2c

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4/17/2013



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i> OF <i>3</i>
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(b) (6)	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
					<i>W PAH</i> <i>Metal PCBs</i>	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____

COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS			
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12	
<i>4-3-13</i>	<i>1425</i>	<i>CV0332B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1522</i>	<i>CV1193A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1530</i>	<i>CV1193B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1534</i>	<i>CV1193B-CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1342</i>	<i>CV1251A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1350</i>	<i>CV1251B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>	<i>X</i>													
	<i>1315</i>	<i>CV1262A-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>1320</i>	<i>CV1262B-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>														
	<i>0910</i>	<i>CV0053A-CS (sieve)</i>	<i>C</i>	<i>X</i>																<i>X</i>	
	<i>0915</i>	<i>CV0053A-CSD (sieve)</i>	<i>C</i>	<i>X</i>																<i>X</i>	
	<i>1035</i>	<i>CV1311B-CS-SP (sieve)</i>	<i>C</i>	<i>X</i>																<i>X</i>	
	<i>1350</i>	<i>CV1251B-CS (sieve)</i>	<i>C</i>	<i>X</i>																<i>X</i>	

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>4-4-13</i>	TIME <i>0920</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>04/05/13</i>	TIME <i>0957</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH <i>880</i> - LOG NO. <i>89038</i>	LABORATORY REMARKS <i>7.2°C</i>
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4/17/2013



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Login Number: 89038

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-2

Login Number: 89038

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

List Creation: 04/08/13 12:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-2

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	905	06-30-13
USDA	Federal		P330-11-00177	04-20-14

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