

REDACTED

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica – Tampa, FL
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett/Nicole Lancaster

Project No: 15268508.20000
 Job ID.: 680-88767-2
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date(s) Collected: 03/26/2013
 Date: 04/10/2013
 Date: 04/24/2013

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?		✓		PAH were not detected during the analysis of rinsate blank 032613-RB-Shovel (680-88766-23).	

¹ Independent technical reviewer
 URS Group, Inc.
 Page 1 of 5

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 (032613-RB-Shovel) was collected during the week of 03/25/2013. The rinsate blank was analyzed for PAHs under Test America Job ID 680-88766-2.	
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?	✓			<ul style="list-style-type: none"> CV0509T-CSD (680-88767-30) is a field duplicate of CV0509T-CS (680-88767-29). CV0509CC-CSD (680-88767-40) is a field duplicate of CV0509CC-CS (680-88767-39). 	
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"> Initial Calibration: 04/02/2013, instrument BSMC5973 ICV: 04/02/2013 @ 15:34 CCV: 04/04/2013 @ 11:50 CCV: 04/05/2013 @ 12:15 CCV: 04/09/2013 @ 11:47 	
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> ICAL (Criteria: ≤ 15 mean %RSD with individual CCC %RSD ≤ 30 ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and RRF ≥ 0.050 (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> If %RSD > 15 ($> 50\%$ for poor performers), or $r < 0.995$, 		✓		ICV of 04/02/2013 @ 15:34, instrument BSMC5973: <ul style="list-style-type: none"> Pyrene @ -21.4%D (Lab: ≤ 35, Project: ≤ 20), 78.5%R Chrysene @ -23.5%D (Lab: ≤ 35, Project: ≤ 20), 76.5%R Benzo(b)fluoranthene @ -21.1%D (Lab: ≤ 35, 	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>or $r^2 < 0.995$, then J-flag positive results and UJ-flag non-detects</p> <ul style="list-style-type: none"> ○ 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 semivolatiles target compounds 				Project: ≤ 20 , 79%R • Benzo(a)pyrene @ -24.3%D (Lab: ≤ 35 , Project: ≤ 20), 75.5%R A negative bias is indicated by the ICV percent difference and the above-mentioned analytes were detected in all samples, therefore, J flag results.	
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)?	✓			<ul style="list-style-type: none"> • Prep Batch 136072: 680-88767-14 (Batch sample), MS/MSD 	
24. Is the MS/MSD parent sample a project-specific sample?	✓	✓		<ul style="list-style-type: none"> • Prep Batch 136083: 680-88767-21 (CV0509L-CS), MS/MSD • Prep Batch 136087: 680-88767-41 (Batch sample), MS/MSD 	
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. • MS and MSD $\%R < 10$: J and R Flag positive and ND results, respectively • MS and MSD $\%R > 10$ and $< \text{LCL}$: J-Flag positive and UJ-flag non-detect results • MS and MSD $R\% > \text{UCL}$ (or 140): J-Flag positive results 	✓				
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>	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<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 <10, then J-flag positive and R-flag non-detect associated sample results • If %R >UCL, then J-flag positive results • %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results • If 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 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. 	✓				
<p>29. Were lab comments included in report?</p>	✓			Refer to Attachment C (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<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: 680-88767-2
SDG: 68088767-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88767-21	CV0509L-CS	Solid	03/26/13 10:22	03/28/13 09:37
680-88767-22	CV0509M-CS	Solid	03/26/13 10:34	03/28/13 09:37
680-88767-23	CV0509N-CS	Solid	03/26/13 10:40	03/28/13 09:37
680-88767-24	CV0509O-CS	Solid	03/26/13 10:45	03/28/13 09:37
680-88767-25	CV0509P-CS	Solid	03/26/13 12:30	03/28/13 09:37
680-88767-26	CV0509Q-CS	Solid	03/26/13 13:00	03/28/13 09:37
680-88767-27	CV0509R-CS	Solid	03/26/13 13:05	03/28/13 09:37
680-88767-28	CV0509S-CS	Solid	03/26/13 13:15	03/28/13 09:37
680-88767-29	CV0509T-CS	Solid	03/26/13 13:20	03/28/13 09:37
680-88767-30	CV0509T-CSD	Solid	03/26/13 13:25	03/28/13 09:37
680-88767-31	CV0509U-CS	Solid	03/26/13 13:32	03/28/13 09:37
680-88767-32	CV0509V-CS	Solid	03/26/13 13:35	03/28/13 09:37
680-88767-33	CV0509W-CS	Solid	03/26/13 13:40	03/28/13 09:37
680-88767-34	CV0509X-CS	Solid	03/26/13 13:42	03/28/13 09:37
680-88767-35	CV0509Y-CS	Solid	03/26/13 14:10	03/28/13 09:37
680-88767-36	CV0509Z-CS	Solid	03/26/13 14:15	03/28/13 09:37
680-88767-37	CV0509AA-CS	Solid	03/26/13 14:20	03/28/13 09:37
680-88767-38	CV0509BB-CS	Solid	03/26/13 14:35	03/28/13 09:37
680-88767-39	CV0509CC-CS	Solid	03/26/13 14:46	03/28/13 09:37
680-88767-40	CV0509CC-CSD	Solid	03/26/13 14:48	03/28/13 09:37

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Analyte	CV0509T-CS (680-88767-29)	RL	CV0509T-CSD (680-88767-30)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthene		150	260	J 510	µg/kg	1650	NA	260	660	None, absolute difference ≤ 2x Avg RL
Acenaphthylene		60	69	J 210	µg/kg	675	NA	69	270	None, absolute difference ≤ 2x Avg RL
Anthracene	65	13	540	43	µg/kg	140	NA	475	56	J/UJ-flag, absolute difference > 2x Avg RL
Benzo(a)anthracene	320	12	2200	41	µg/kg	132.5	149	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)pyrene	310	16	1700	53	µg/kg	172.5	138	NA	NA	J/UJ-flag, RPD > 50%
Benzo(b)fluoranthene	360	18	2800	63	µg/kg	202.5	154	NA	NA	J/UJ-flag, RPD > 50%
Benzo(g,h,i)perylene	160	30	1100	100	µg/kg	325	NA	940	130	J/UJ-flag, absolute difference > 2x Avg RL
Benzo(k)fluoranthene	210	12	1000	41	µg/kg	132.5	131	NA	NA	J/UJ-flag, RPD > 50%
Chrysene	300	14	2100	46	µg/kg	150	150	NA	NA	J/UJ-flag, RPD > 50%
Dibenzo(a,h)anthracene	44	30	330	100	µg/kg	325	NA	286	130	J/UJ-flag, absolute difference > 2x Avg RL
Fluoranthene	560	30	4400	100	µg/kg	325	155	NA	NA	J/UJ-flag, RPD > 50%
Fluorene	28	J 30	200	100	µg/kg	325	NA	172	130	J/UJ-flag, absolute difference > 2x Avg RL
Indeno(1,2,3-cd)pyrene	160	30	1200	100	µg/kg	325	NA	1040	130	J/UJ-flag, absolute difference > 2x Avg RL
1-Methylnaphthalene	45	J 60	230	210	µg/kg	675	NA	185	270	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	56	J 60	260	210	µg/kg	675	NA	204	270	None, absolute difference ≤ 2x Avg RL
Naphthalene	37	J 60	180	J 210	µg/kg	675	NA	143	270	None, absolute difference ≤ 2x Avg RL
Phenanthrene	260	12	2200	41	µg/kg	132.5	158	NA	NA	J/UJ-flag, RPD > 50%
Pyrene	450	30	3500	100	µg/kg	325	154	NA	NA	J/UJ-flag, RPD > 50%

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

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

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.

Evaluation of Field Duplicate Results

Analyte	CV0509CC-CS (680-88767-39)	RL	CV0509CC-CSD (680-88767-40)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Anthracene	71	41	57	41	µg/kg	205	NA	14	82	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	410	39	380	39	µg/kg	195	8	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	330	51	340	51	µg/kg	255	3	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	630	60	550	60	µg/kg	300	14	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	320	98	350	98	µg/kg	490	NA	30	196	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	170	39	220	39	µg/kg	195	NA	50	78	None, absolute difference ≤ 2x Avg RL
Chrysene	440	44	350	44	µg/kg	220	23	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	110	98	120	98	µg/kg	490	NA	10	196	None, absolute difference ≤ 2x Avg RL
Fluoranthene	530	98	520	98	µg/kg	490	2	NA	NA	None, RPD ≤ 50%
Fluorene	26	J 98	30	J 98	µg/kg	490	NA	4	196	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	250	98	220	98	µg/kg	490	NA	30	196	None, absolute difference ≤ 2x Avg RL
1-Methylnaphthalene	98	J 200	54	J 200	µg/kg	1000	NA	44	400	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	59	J 200	120	J 200	µg/kg	1000	NA	61	400	None, absolute difference ≤ 2x Avg RL
Naphthalene	93	J 200	71	J 200	µg/kg	1000	NA	22	400	None, absolute difference ≤ 2x Avg RL
Phenanthrene	340	39	300	39	µg/kg	195	13	NA	NA	None, RPD ≤ 50%
Pyrene	490	98	450	98	µg/kg	490	NA	40	196	None, absolute difference ≤ 2x Avg RL

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

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

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: 680-88767-2
SDG: 68088767-2

Job ID: 680-88767-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-2

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 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0509L-CS (680-88767-21), CV0509M-CS (680-88767-22), CV0509N-CS (680-88767-23), CV0509O-CS (680-88767-24), CV0509P-CS (680-88767-25), CV0509Q-CS (680-88767-26), CV0509R-CS (680-88767-27), CV0509S-CS (680-88767-28), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509U-CS (680-88767-31), CV0509V-CS (680-88767-32), CV0509W-CS (680-88767-33), CV0509X-CS (680-88767-34), CV0509Y-CS (680-88767-35), CV0509Z-CS (680-88767-36), CV0509AA-CS (680-88767-37), CV0509BB-CS (680-88767-38), CV0509CC-CS (680-88767-39) and CV0509CC-CSD (680-88767-40) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/03/2013 and analyzed on 04/04/2013, 04/05/2013 and 04/09/2013.

Samples CV0509M-CS (680-88767-22)[4X], CV0509T-CSD (680-88767-30)[4X], CV0509U-CS (680-88767-31)[4X], CV0509X-CS (680-88767-34)[4X], CV0509Y-CS (680-88767-35)[4X], CV0509AA-CS (680-88767-37)[4X], CV0509BB-CS (680-88767-38)[4X], CV0509CC-CS (680-88767-39)[4X] and CV0509CC-CSD (680-88767-40)[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: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509L-CS

Lab Sample ID: 680-88767-21

Date Collected: 03/26/13 10:22

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.9

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	27	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Acenaphthylene	13	J	55	6.9	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Anthracene	43	J	12	5.8	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[a]anthracene	260	J	11	5.4	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[a]pyrene	240	J	14	7.1	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[b]fluoranthene	320	J	17	8.4	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[g,h,i]perylene	200	J	27	6.0	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Benzo[k]fluoranthene	160	J	11	4.9	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Chrysene	240	J	12	6.2	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Dibenz(a,h)anthracene	58	J	27	5.6	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Fluoranthene	440	J	27	5.5	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Fluorene	9.8	J	27	5.6	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Indeno[1,2,3-cd]pyrene	160	J	27	9.7	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
1-Methylnaphthalene	33	J	55	6.0	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
2-Methylnaphthalene	29	J	55	9.7	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Naphthalene	20	J	55	6.0	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Phenanthrene	180	J	11	5.4	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Pyrene	350	J	27	5.1	ug/Kg	☆	04/03/13 13:44	04/04/13 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	71		30 - 130				04/03/13 13:44	04/04/13 13:03	1

Client Sample ID: CV0509M-CS

Lab Sample ID: 680-88767-22

Date Collected: 03/26/13 10:34

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Acenaphthylene	30	J	200	24	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Anthracene	100	J	41	21	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[a]anthracene	460	J	39	19	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[a]pyrene	340	J	51	25	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[b]fluoranthene	600	J	60	30	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[g,h,i]perylene	280	J	98	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Benzo[k]fluoranthene	280	J	39	18	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Chrysene	440	J	44	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Dibenz(a,h)anthracene	82	J	98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Fluoranthene	670	J	98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Fluorene	28	J	98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Indeno[1,2,3-cd]pyrene	310	J	98	35	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
1-Methylnaphthalene	100	J	200	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
2-Methylnaphthalene	100	J	200	35	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Naphthalene	110	J	200	22	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Phenanthrene	390	J	39	19	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Pyrene	590	J	98	18	ug/Kg	☆	04/03/13 11:18	04/04/13 21:19	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	115		30 - 130				04/03/13 11:18	04/04/13 21:19	4

TestAmerica Savannah

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 (OTIE, October 2012)

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509N-CS

Lab Sample ID: 680-88767-23

Date Collected: 03/26/13 10:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

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	☼	04/03/13 11:18	04/04/13 21:37	1	
Acenaphthylene	9.2	J	55	6.9	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Anthracene	19	J	12	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Benzo[a]anthracene	110		11	5.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Benzo[a]pyrene	76	J	14	7.2	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Benzo[b]fluoranthene	120	J	17	8.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Benzo[g,h,i]perylene	62		28	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Benzo[k]fluoranthene	64		11	5.0	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Chrysene	120	J	12	6.2	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Dibenz(a,h)anthracene	21	J	28	5.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Fluoranthene	140		28	5.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Fluorene	10	J	28	5.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Indeno[1,2,3-cd]pyrene	46		28	9.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
1-Methylnaphthalene	62		55	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
2-Methylnaphthalene	56		55	9.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Naphthalene	60		55	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Phenanthrene	88		11	5.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Pyrene	130	J	28	5.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
<i>o</i> -Terphenyl	59		30 - 130				04/03/13 11:18	04/04/13 21:37	1	

Client Sample ID: CV0509O-CS

Lab Sample ID: 680-88767-24

Date Collected: 03/26/13 10:45

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 65.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	73	J	150	30	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Acenaphthylene	37	J	59	7.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Anthracene	140	J	12	6.2	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Benzo[a]anthracene	520		12	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Benzo[a]pyrene	450	J	15	7.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Benzo[b]fluoranthene	770	J	18	9.0	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Benzo[g,h,i]perylene	260		30	6.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Benzo[k]fluoranthene	250		12	5.3	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Chrysene	540	J	13	6.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Dibenz(a,h)anthracene	96		30	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Fluoranthene	1100		30	5.9	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Fluorene	81		30	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Indeno[1,2,3-cd]pyrene	290		30	11	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
1-Methylnaphthalene	160		59	6.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
2-Methylnaphthalene	160		59	11	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Naphthalene	130		59	6.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Phenanthrene	740		12	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Pyrene	910	J	30	5.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
<i>o</i> -Terphenyl	71		30 - 130				04/03/13 11:18	04/04/13 21:56	1	

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509P-CS

Lab Sample ID: 680-88767-25

Date Collected: 03/26/13 12:30

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 62.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	47	J	160	32	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Acenaphthylene	21	J	64	8.0	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Anthracene	76	J	13	6.7	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Benzo[a]anthracene	250	J	13	6.2	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Benzo[a]pyrene	200	J	17	8.3	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Benzo[b]fluoranthene	340	J	20	9.8	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Benzo[g,h,i]perylene	160	J	32	7.0	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Benzo[k]fluoranthene	110	J	13	5.8	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Chrysene	240	J	14	7.2	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Dibenz(a,h)anthracene	49	J	32	6.6	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Fluoranthene	470	J	32	6.4	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Fluorene	32	J	32	6.6	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Indeno[1,2,3-cd]pyrene	140	J	32	11	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
1-Methylnaphthalene	61	J	64	7.0	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
2-Methylnaphthalene	51	J	64	11	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Naphthalene	55	J	64	7.0	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Phenanthrene	320	J	13	6.2	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Pyrene	370	J	32	5.9	ug/Kg	☺	04/03/13 11:18	04/04/13 22:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
<i>o</i> -Terphenyl	66		30 - 130				04/03/13 11:18	04/04/13 22:14	1	

Client Sample ID: CV0509Q-CS

Lab Sample ID: 680-88767-26

Date Collected: 03/26/13 13:00

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.7

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	☺	04/03/13 11:18	04/04/13 22:33	1	
Acenaphthylene	56	U	56	7.0	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Anthracene	11	J	12	5.9	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Benzo[a]anthracene	86	J	11	5.4	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Benzo[a]pyrene	62	J	15	7.3	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Benzo[b]fluoranthene	93	J	17	8.5	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Benzo[g,h,i]perylene	43	J	28	6.1	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Benzo[k]fluoranthene	24	J	11	5.0	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Chrysene	77	J	13	6.3	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Dibenz(a,h)anthracene	8.6	J	28	5.7	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Fluoranthene	110	J	28	5.6	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Fluorene	6.9	J	28	5.7	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Indeno[1,2,3-cd]pyrene	42	J	28	9.9	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
1-Methylnaphthalene	16	J	56	6.1	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
2-Methylnaphthalene	22	J	56	9.9	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Naphthalene	25	J	56	6.1	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Phenanthrene	69	J	11	5.4	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Pyrene	110	J	28	5.2	ug/Kg	☺	04/03/13 11:18	04/04/13 22:33	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
<i>o</i> -Terphenyl	62		30 - 130				04/03/13 11:18	04/04/13 22:33	1	

TestAmerica Savannah

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 (OTIE, October 2012)

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509R-CS

Lab Sample ID: 680-88767-27

Date Collected: 03/26/13 13:05

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 74.6

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	☐	04/03/13 11:18	04/04/13 22:51	1
Acenaphthylene	8.0	J	53	6.7	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Anthracene	22	J	11	5.6	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Benzo[a]anthracene	150	J	11	5.2	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Benzo[a]pyrene	120	J	14	7.0	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Benzo[b]fluoranthene	160	J	16	8.2	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Benzo[g,h,i]perylene	89	J	27	5.9	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Benzo[k]fluoranthene	95	J	11	4.8	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Chrysene	130	J	12	6.0	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Dibenz(a,h)anthracene	33	J	27	5.5	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Fluoranthene	220	J	27	5.3	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Fluorene	12	J	27	5.5	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Indeno[1,2,3-cd]pyrene	80	J	27	9.5	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
1-Methylnaphthalene	18	J	53	5.9	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
2-Methylnaphthalene	37	J	53	9.5	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Naphthalene	28	J	53	5.9	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Phenanthrene	130	J	11	5.2	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
Pyrene	200	J	27	4.9	ug/Kg	☐	04/03/13 11:18	04/04/13 22:51	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	69		30 - 130				04/03/13 11:18	04/04/13 22:51	1

Client Sample ID: CV0509S-CS

Lab Sample ID: 680-88767-28

Date Collected: 03/26/13 13:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.8

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	27	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Acenaphthylene	11	J	55	6.8	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Anthracene	24	J	12	5.8	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Benzo[a]anthracene	140	J	11	5.3	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Benzo[a]pyrene	110	J	14	7.1	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Benzo[b]fluoranthene	160	J	17	8.4	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Benzo[g,h,i]perylene	63	J	27	6.0	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Benzo[k]fluoranthene	67	J	11	4.9	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Chrysene	100	J	12	6.2	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Dibenz(a,h)anthracene	28	J	27	5.6	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Fluoranthene	230	J	27	5.5	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Fluorene	8.8	J	27	5.6	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Indeno[1,2,3-cd]pyrene	62	J	27	9.7	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
1-Methylnaphthalene	11	J	55	6.0	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
2-Methylnaphthalene	12	J	55	9.7	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Naphthalene	16	J	55	6.0	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Phenanthrene	91	J	11	5.3	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
Pyrene	180	J	27	5.1	ug/Kg	☐	04/03/13 11:18	04/04/13 23:09	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	64		30 - 130				04/03/13 11:18	04/04/13 23:09	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Date Collected: 03/26/13 13:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

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	☐	04/03/13 13:44	04/04/13 14:35	1
Acenaphthylene	60	U	60	7.6	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Anthracene	65	J	13	6.3	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Benzo[a]anthracene	320	J	12	5.9	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Benzo[a]pyrene	310	J	16	7.9	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Benzo[b]fluoranthene	360	J	18	9.2	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Benzo[g,h,i]perylene	160	J	30	6.6	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Benzo[k]fluoranthene	210	J	12	5.4	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Chrysene	300	J	14	6.8	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Dibenz(a,h)anthracene	44	J	30	6.2	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Fluoranthene	560	J	30	6.0	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Fluorene	28	J	30	6.2	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Indeno[1,2,3-cd]pyrene	160	J	30	11	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
1-Methylnaphthalene	45	J	60	6.6	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
2-Methylnaphthalene	56	J	60	11	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Naphthalene	37	J	60	6.6	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Phenanthrene	260	J	12	5.9	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Pyrene	450	J	30	5.6	ug/Kg	☐	04/03/13 13:44	04/04/13 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	80		30 - 130				04/03/13 13:44	04/04/13 14:35	1

Client Sample ID: CV0509T-CSD

Lab Sample ID: 680-88767-30

Date Collected: 03/26/13 13:25

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 77.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	260	J	510	100	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Acenaphthylene	69	J	210	26	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Anthracene	540	J	43	22	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Benzo[a]anthracene	2200	J	41	20	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Benzo[a]pyrene	1700	J	53	27	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Benzo[b]fluoranthene	2800	J	63	31	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Benzo[g,h,i]perylene	1100	J	100	23	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Benzo[k]fluoranthene	1000	J	41	19	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Chrysene	2100	J	46	23	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Dibenz(a,h)anthracene	330	J	100	21	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Fluoranthene	4400	J	100	21	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Fluorene	200	J	100	21	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Indeno[1,2,3-cd]pyrene	1200	J	100	36	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
1-Methylnaphthalene	230	J	210	23	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
2-Methylnaphthalene	260	J	210	36	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Naphthalene	180	J	210	23	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Phenanthrene	2200	J	41	20	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Pyrene	3500	J	100	19	ug/Kg	☐	04/03/13 13:44	04/04/13 14:53	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	100		30 - 130				04/03/13 13:44	04/04/13 14:53	4

TestAmerica Savannah

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 (OTIE, October 2012)

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509U-CS

Lab Sample ID: 680-88767-31

Date Collected: 03/26/13 13:32

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	470	U	470	94	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Acenaphthylene	39	J	190	24	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Anthracene	57	J	40	20	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Benzo[a]anthracene	430		38	18	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Benzo[a]pyrene	400	J	49	25	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Benzo[b]fluoranthene	640	J	58	29	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Benzo[g,h,i]perylene	340		94	21	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Benzo[k]fluoranthene	230		38	17	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Chrysene	400	J	42	21	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Dibenz(a,h)anthracene	130		94	19	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Fluoranthene	620		94	19	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Fluorene	33	J	94	19	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Indeno[1,2,3-cd]pyrene	280		94	34	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
1-Methylnaphthalene	52	J	190	21	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
2-Methylnaphthalene	74	J	190	34	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Naphthalene	70	J	190	21	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Phenanthrene	400		38	18	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Pyrene	510	J	94	17	ug/Kg	☐	04/03/13 15:12	04/05/13 14:07	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	104		30 - 130				04/03/13 15:12	04/05/13 14:07	4

Client Sample ID: CV0509V-CS

Lab Sample ID: 680-88767-32

Date Collected: 03/26/13 13:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	28	J	140	28	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Acenaphthylene	14	J	56	6.9	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Anthracene	64	J	12	5.8	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Benzo[a]anthracene	330		11	5.4	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Benzo[a]pyrene	260	J	14	7.2	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Benzo[b]fluoranthene	410	J	17	8.5	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Benzo[g,h,i]perylene	190		28	6.1	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Benzo[k]fluoranthene	150		11	5.0	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Chrysene	310	J	12	6.2	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Dibenz(a,h)anthracene	60		28	5.7	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Fluoranthene	690		28	5.6	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Fluorene	27	J	28	5.7	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Indeno[1,2,3-cd]pyrene	180		28	9.9	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
1-Methylnaphthalene	31	J	56	6.1	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
2-Methylnaphthalene	42	J	56	9.9	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Naphthalene	42	J	56	6.1	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Phenanthrene	430		11	5.4	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Pyrene	520	J	28	5.1	ug/Kg	☐	04/03/13 15:12	04/05/13 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	71		30 - 130				04/03/13 15:12	04/05/13 14:26	1

TestAmerica Savannah

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 (OTIE, October 2012)

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509W-CS

Lab Sample ID: 680-88767-33

Date Collected: 03/26/13 13:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 80.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	29	J	120	25	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Acenaphthylene	17	J	50	6.2	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Anthracene	75	J	10	5.2	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[a]anthracene	280	J	10	4.9	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[a]pyrene	220	J	13	6.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[b]fluoranthene	380	J	15	7.6	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[g,h,i]perylene	160	J	25	5.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Benzo[k]fluoranthene	130	J	10	4.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Chrysene	260	J	11	5.6	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Dibenz(a,h)anthracene	50	J	25	5.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Fluoranthene	550	J	25	5.0	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Fluorene	20	J	25	5.1	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Indeno[1,2,3-cd]pyrene	140	J	25	8.8	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
1-Methylnaphthalene	34	J	50	5.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
2-Methylnaphthalene	32	J	50	8.8	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Naphthalene	44	J	50	5.5	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Phenanthrene	270	J	10	4.9	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Pyrene	430	J	25	4.6	ug/Kg	☆	04/03/13 15:12	04/05/13 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	74		30 - 130				04/03/13 15:12	04/05/13 14:44	1

Client Sample ID: CV0509X-CS

Lab Sample ID: 680-88767-34

Date Collected: 03/26/13 13:42

Matrix: Solid

Date Received: 03/28/13 09:37

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	220	J	140	27	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Acenaphthylene	25	J	55	6.9	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Anthracene	500	J	12	5.8	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[a]anthracene	1800	J	11	5.3	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[a]pyrene	1400	J	14	7.1	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[b]fluoranthene	2000	J	17	8.4	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[g,h,i]perylene	810	J	27	6.0	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Benzo[k]fluoranthene	1100	J	11	4.9	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Chrysene	1700	J	12	6.2	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Dibenz(a,h)anthracene	270	J	27	5.6	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Fluorene	190	J	27	5.6	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Indeno[1,2,3-cd]pyrene	780	J	27	9.7	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
1-Methylnaphthalene	52	J	55	6.0	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
2-Methylnaphthalene	110	J	55	9.7	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Naphthalene	160	J	55	6.0	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Phenanthrene	2400	J	11	5.3	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Pyrene	3300	J	27	5.1	ug/Kg	☆	04/03/13 15:12	04/05/13 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	67		30 - 130				04/03/13 15:12	04/05/13 15:02	1

TestAmerica Savannah

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 (OTIE, October 2012)

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509X-CS

Lab Sample ID: 680-88767-34

Date Collected: 03/26/13 13:42

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels - DL									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5300		110	22	ug/Kg	☒	04/03/13 15:12	04/09/13 13:05	4

Client Sample ID: CV0509Y-CS

Lab Sample ID: 680-88767-35

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	550	U	550	110	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Acenaphthylene	52	J	220	27	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Anthracene	77	J	46	23	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Benzo[a]anthracene	410		44	21	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Benzo[a]pyrene	350	J	57	29	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Benzo[b]fluoranthene	530	J	67	33	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Benzo[g,h,i]perylene	280		110	24	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Benzo[k]fluoranthene	230		44	20	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Chrysene	550	J	49	25	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Dibenz(a,h)anthracene	140		110	22	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Fluoranthene	460		110	22	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Fluorene	110	U	110	22	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Indeno[1,2,3-cd]pyrene	230		110	39	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
1-Methylnaphthalene	300		220	24	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
2-Methylnaphthalene	290		220	39	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Naphthalene	250		220	24	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Phenanthrene	490		44	21	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
Pyrene	470	J	110	20	ug/Kg	☒	04/03/13 15:12	04/05/13 15:21	4
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	94		30 - 130				04/03/13 15:12	04/05/13 15:21	4

Client Sample ID: CV0509Z-CS

Lab Sample ID: 680-88767-36

Date Collected: 03/26/13 14:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

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	☒	04/03/13 15:12	04/05/13 15:39	1
Acenaphthylene	60	U	60	7.5	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Anthracene	10	J	13	6.3	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Benzo[a]anthracene	69		12	5.8	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Benzo[a]pyrene	38	J	16	7.8	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Benzo[b]fluoranthene	60	J	18	9.1	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Benzo[g,h,i]perylene	26	J	30	6.6	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Benzo[k]fluoranthene	22		12	5.4	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Chrysene	67	J	13	6.7	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Dibenz(a,h)anthracene	12	J	30	6.1	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Fluoranthene	78		30	6.0	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Fluorene	8.9	J	30	6.1	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
Indeno[1,2,3-cd]pyrene	22	J	30	11	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1
1-Methylnaphthalene	33	J	60	6.6	ug/Kg	☒	04/03/13 15:12	04/05/13 15:39	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Client Sample ID: CV0509Z-CS

Lab Sample ID: 680-88767-36

Date Collected: 03/26/13 14:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	45	J	60	11	ug/Kg	☐	04/03/13 15:12	04/05/13 15:39	1
Naphthalene	42	J	60	6.6	ug/Kg	☐	04/03/13 15:12	04/05/13 15:39	1
Phenanthrene	65		12	5.8	ug/Kg	☐	04/03/13 15:12	04/05/13 15:39	1
Pyrene	66	J	30	5.5	ug/Kg	☐	04/03/13 15:12	04/05/13 15:39	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	67		30 - 130				04/03/13 15:12	04/05/13 15:39	1

Client Sample ID: CV0509AA-CS

Lab Sample ID: 680-88767-37

Date Collected: 03/26/13 14:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	520	U	520	100	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Acenaphthylene	36	J	210	26	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Anthracene	52	J	44	22	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Benzo[a]anthracene	220		42	20	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Benzo[a]pyrene	170	J	54	27	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Benzo[b]fluoranthene	290	J	64	32	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Benzo[g,h,i]perylene	160		100	23	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Benzo[k]fluoranthene	87		42	19	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Chrysene	280	J	47	24	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Dibenz(a,h)anthracene	60	J	100	21	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Fluoranthene	280		100	21	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Fluorene	100	U	100	21	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Indeno[1,2,3-cd]pyrene	120		100	37	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
1-Methylnaphthalene	110	J	210	23	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
2-Methylnaphthalene	130	J	210	37	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Naphthalene	94	J	210	23	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Phenanthrene	200		42	20	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
Pyrene	240	J	100	19	ug/Kg	☐	04/03/13 15:12	04/05/13 15:57	4
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	87		30 - 130				04/03/13 15:12	04/05/13 15:57	4

Client Sample ID: CV0509BB-CS

Lab Sample ID: 680-88767-38

Date Collected: 03/26/13 14:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	510	U	510	100	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4
Acenaphthylene	200	U	200	26	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4
Anthracene	78	J	43	21	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4
Benzo[a]anthracene	530		41	20	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4
Benzo[a]pyrene	360	J	53	27	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4
Benzo[b]fluoranthene	710	J	62	31	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4
Benzo[g,h,i]perylene	350		100	22	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4
Benzo[k]fluoranthene	230		41	18	ug/Kg	☐	04/03/13 15:12	04/05/13 16:20	4

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509BB-CS

Lab Sample ID: 680-88767-38

Date Collected: 03/26/13 14:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	410	J	46	23	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Dibenz(a,h)anthracene	110		100	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Fluoranthene	710		100	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Fluorene	24	J	100	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Indeno[1,2,3-cd]pyrene	260		100	36	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
1-Methylnaphthalene	90	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
2-Methylnaphthalene	82	J	200	36	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Naphthalene	90	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Phenanthrene	380		41	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Pyrene	580	J	100	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	94		30 - 130				04/03/13 15:12	04/05/13 16:20	4

Client Sample ID: CV0509CC-CS

Lab Sample ID: 680-88767-39

Date Collected: 03/26/13 14:46

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Acenaphthylene	200	U	200	25	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Anthracene	71	J	41	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[a]anthracene	410		39	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[a]pyrene	330	J	51	25	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[b]fluoranthene	630	J	60	30	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[g,h,i]perylene	320		98	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[k]fluoranthene	170		39	18	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Chrysene	440	J	44	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Dibenz(a,h)anthracene	110		98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Fluoranthene	530		98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Fluorene	26	J	98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Indeno[1,2,3-cd]pyrene	250		98	35	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
1-Methylnaphthalene	98	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
2-Methylnaphthalene	59	J	200	35	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Naphthalene	93	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Phenanthrene	340		39	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Pyrene	490	J	98	18	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	96		30 - 130				04/03/13 15:12	04/05/13 16:38	4

Client Sample ID: CV0509CC-CSD

Lab Sample ID: 680-88767-40

Date Collected: 03/26/13 14:48

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Acenaphthylene	200	U	200	25	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509CC-CSD

Lab Sample ID: 680-88767-40

Date Collected: 03/26/13 14:48

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	57	J	41	21	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[a]anthracene	380		39	19	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[a]pyrene	340	J	51	26	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[b]fluoranthene	550	J	60	30	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[g,h,i]perylene	350		98	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Benzo[k]fluoranthene	220		39	18	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Chrysene	350	J	44	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Dibenz(a,h)anthracene	120		98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Fluoranthene	520		98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Fluorene	30	J	98	20	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Indeno[1,2,3-cd]pyrene	220		98	35	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
1-Methylnaphthalene	54	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
2-Methylnaphthalene	120	J	200	35	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Naphthalene	71	J	200	22	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Phenanthrene	300		39	19	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Pyrene	450	J	98	18	ug/Kg	☆	04/03/13 15:12	04/05/13 16:57	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	81		30 - 130				04/03/13 15:12	04/05/13 16:57	4



ANALYTICAL REPORT

Job Number: 680-88767-2

SDG Number: 68088767-2

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
4/9/2013 5:06 PM

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

04/09/2013

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.

Savannah Certifications and ID #: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN: C-GA-02; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	5
Method Summary	6
Method / Analyst Summary	7
Data Qualifiers	8
QC Association Summary	9
Manual Integration Summary	12
Organic Sample Data	30
GC/MS Semi VOA	30
Method 8270C Low Level	30
Method 8270C Low Level QC Summary	31
Method 8270C Low Level Sample Data	57
Standards Data	537
Method 8270C Low Level ICAL Data	537
Method 8270C Low Level CCAL Data	562
Raw QC Data	579
Method 8270C Low Level Tune Data	579
Method 8270C Low Level Blank Data	599
Method 8270C Low Level LCS/LCSD Data	608
Method 8270C Low Level MS/MSD Data	623
Method 8270C Low Level Run Logs	653
Method 8270C Low Level Prep Data	657
Inorganic Sample Data	663
General Chemistry Data	663

Table of Contents

Gen Chem Cover Page	664
Gen Chem MDL	665
Gen Chem Analysis Run Log	669
Gen Chem Prep Data	672
Shipping and Receiving Documents	676
Client Chain of Custody	677
Sample Receipt Checklist	680

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-2

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 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0509L-CS (680-88767-21), CV0509M-CS (680-88767-22), CV0509N-CS (680-88767-23), CV0509O-CS (680-88767-24), CV0509P-CS (680-88767-25), CV0509Q-CS (680-88767-26), CV0509R-CS (680-88767-27), CV0509S-CS (680-88767-28), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509U-CS (680-88767-31), CV0509V-CS (680-88767-32), CV0509W-CS (680-88767-33), CV0509X-CS (680-88767-34), CV0509Y-CS (680-88767-35), CV0509Z-CS (680-88767-36), CV0509AA-CS (680-88767-37), CV0509BB-CS (680-88767-38), CV0509CC-CS (680-88767-39) and CV0509CC-CSD (680-88767-40) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/03/2013 and analyzed on 04/04/2013, 04/05/2013 and 04/09/2013.

Samples CV0509M-CS (680-88767-22)[4X], CV0509T-CSD (680-88767-30)[4X], CV0509U-CS (680-88767-31)[4X], CV0509X-CS (680-88767-34)[4X], CV0509Y-CS (680-88767-35)[4X], CV0509AA-CS (680-88767-37)[4X], CV0509BB-CS (680-88767-38)[4X], CV0509CC-CS (680-88767-39)[4X] and CV0509CC-CSD (680-88767-40)[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: 680-88767-2

Sdg Number: 68088767-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-88767-21	CV0509L-CS	Solid	03/26/2013 1022	03/28/2013 0937
680-88767-21MS	CV0509L-CS	Solid	03/26/2013 1022	03/28/2013 0937
680-88767-21MSD	CV0509L-CS	Solid	03/26/2013 1022	03/28/2013 0937
680-88767-22	CV0509M-CS	Solid	03/26/2013 1034	03/28/2013 0937
680-88767-23	CV0509N-CS	Solid	03/26/2013 1040	03/28/2013 0937
680-88767-24	CV0509O-CS	Solid	03/26/2013 1045	03/28/2013 0937
680-88767-25	CV0509P-CS	Solid	03/26/2013 1230	03/28/2013 0937
680-88767-26	CV0509Q-CS	Solid	03/26/2013 1300	03/28/2013 0937
680-88767-27	CV0509R-CS	Solid	03/26/2013 1305	03/28/2013 0937
680-88767-28	CV0509S-CS	Solid	03/26/2013 1315	03/28/2013 0937
680-88767-29	CV0509T-CS	Solid	03/26/2013 1320	03/28/2013 0937
680-88767-30	CV0509T-CSD	Solid	03/26/2013 1325	03/28/2013 0937
680-88767-31	CV0509U-CS	Solid	03/26/2013 1332	03/28/2013 0937
680-88767-32	CV0509V-CS	Solid	03/26/2013 1335	03/28/2013 0937
680-88767-33	CV0509W-CS	Solid	03/26/2013 1340	03/28/2013 0937
680-88767-34	CV0509X-CS	Solid	03/26/2013 1342	03/28/2013 0937
680-88767-35	CV0509Y-CS	Solid	03/26/2013 1410	03/28/2013 0937
680-88767-36	CV0509Z-CS	Solid	03/26/2013 1415	03/28/2013 0937
680-88767-37	CV0509AA-CS	Solid	03/26/2013 1420	03/28/2013 0937
680-88767-38	CV0509BB-CS	Solid	03/26/2013 1435	03/28/2013 0937
680-88767-39	CV0509CC-CS	Solid	03/26/2013 1446	03/28/2013 0937
680-88767-40	CV0509CC-CSD	Solid	03/26/2013 1448	03/28/2013 0937

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-2

Sdg Number: 68088767-2

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: 680-88767-2

Sdg Number: 68088767-2

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: 680-88767-2

Sdg Number: 68088767-2

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: 680-88767-2

Sdg Number: 68088767-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 660-136072					
LCS 660-136072/2-A	Lab Control Sample	T	Solid	3546	
MB 660-136072/1-A	Method Blank	T	Solid	3546	
680-88767-A-14-B MS	Matrix Spike	T	Solid	3546	
680-88767-A-14-C MSD	Matrix Spike Duplicate	T	Solid	3546	
680-88767-22	CV0509M-CS	T	Solid	3546	
680-88767-23	CV0509N-CS	T	Solid	3546	
680-88767-24	CV0509O-CS	T	Solid	3546	
680-88767-25	CV0509P-CS	T	Solid	3546	
680-88767-26	CV0509Q-CS	T	Solid	3546	
680-88767-27	CV0509R-CS	T	Solid	3546	
680-88767-28	CV0509S-CS	T	Solid	3546	
Prep Batch: 660-136083					
LCS 660-136083/2-A	Lab Control Sample	T	Solid	3546	
MB 660-136083/1-A	Method Blank	T	Solid	3546	
680-88767-21	CV0509L-CS	T	Solid	3546	
680-88767-21MS	Matrix Spike	T	Solid	3546	
680-88767-21MSD	Matrix Spike Duplicate	T	Solid	3546	
680-88767-29	CV0509T-CS	T	Solid	3546	
680-88767-30	CV0509T-CSD	T	Solid	3546	
Prep Batch: 660-136087					
LCS 660-136087/2-A	Lab Control Sample	T	Solid	3546	
MB 660-136087/1-A	Method Blank	T	Solid	3546	
680-88767-31	CV0509U-CS	T	Solid	3546	
680-88767-32	CV0509V-CS	T	Solid	3546	
680-88767-33	CV0509W-CS	T	Solid	3546	
680-88767-34	CV0509X-CS	T	Solid	3546	
680-88767-34DL	CV0509X-CS	T	Solid	3546	
680-88767-35	CV0509Y-CS	T	Solid	3546	
680-88767-36	CV0509Z-CS	T	Solid	3546	
680-88767-37	CV0509AA-CS	T	Solid	3546	
680-88767-38	CV0509BB-CS	T	Solid	3546	
680-88767-39	CV0509CC-CS	T	Solid	3546	
680-88767-40	CV0509CC-CSD	T	Solid	3546	
680-88767-A-41-B MS	Matrix Spike	T	Solid	3546	
680-88767-A-41-C MSD	Matrix Spike Duplicate	T	Solid	3546	

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-2

Sdg Number: 68088767-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:660-136131					
LCS 660-136072/2-A	Lab Control Sample	T	Solid	8270C LL	660-136072
MB 660-136072/1-A	Method Blank	T	Solid	8270C LL	660-136072
LCS 660-136083/2-A	Lab Control Sample	T	Solid	8270C LL	660-136083
MB 660-136083/1-A	Method Blank	T	Solid	8270C LL	660-136083
680-88767-A-14-B MS	Matrix Spike	T	Solid	8270C LL	660-136072
680-88767-A-14-C MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-136072
680-88767-21	CV0509L-CS	T	Solid	8270C LL	660-136083
680-88767-21MS	Matrix Spike	T	Solid	8270C LL	660-136083
680-88767-21MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-136083
680-88767-22	CV0509M-CS	T	Solid	8270C LL	660-136072
680-88767-23	CV0509N-CS	T	Solid	8270C LL	660-136072
680-88767-24	CV0509O-CS	T	Solid	8270C LL	660-136072
680-88767-25	CV0509P-CS	T	Solid	8270C LL	660-136072
680-88767-26	CV0509Q-CS	T	Solid	8270C LL	660-136072
680-88767-27	CV0509R-CS	T	Solid	8270C LL	660-136072
680-88767-28	CV0509S-CS	T	Solid	8270C LL	660-136072
680-88767-29	CV0509T-CS	T	Solid	8270C LL	660-136083
680-88767-30	CV0509T-CSD	T	Solid	8270C LL	660-136083
Analysis Batch:660-136171					
LCS 660-136087/2-A	Lab Control Sample	T	Solid	8270C LL	660-136087
MB 660-136087/1-A	Method Blank	T	Solid	8270C LL	660-136087
680-88767-31	CV0509U-CS	T	Solid	8270C LL	660-136087
680-88767-32	CV0509V-CS	T	Solid	8270C LL	660-136087
680-88767-33	CV0509W-CS	T	Solid	8270C LL	660-136087
680-88767-34	CV0509X-CS	T	Solid	8270C LL	660-136087
680-88767-35	CV0509Y-CS	T	Solid	8270C LL	660-136087
680-88767-36	CV0509Z-CS	T	Solid	8270C LL	660-136087
680-88767-37	CV0509AA-CS	T	Solid	8270C LL	660-136087
680-88767-38	CV0509BB-CS	T	Solid	8270C LL	660-136087
680-88767-39	CV0509CC-CS	T	Solid	8270C LL	660-136087
680-88767-40	CV0509CC-CSD	T	Solid	8270C LL	660-136087
680-88767-A-41-B MS	Matrix Spike	T	Solid	8270C LL	660-136087
680-88767-A-41-C MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-136087
Analysis Batch:660-136263					
680-88767-34DL	CV0509X-CS	T	Solid	8270C LL	660-136087

Report Basis

T = Total

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-2

Sdg Number: 68088767-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:660-135922					
680-88767-A-14 MS	Matrix Spike	T	Solid	Moisture	
680-88767-A-14 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88767-21	CV0509L-CS	T	Solid	Moisture	
680-88767-21MS	Matrix Spike	T	Solid	Moisture	
680-88767-21MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88767-22	CV0509M-CS	T	Solid	Moisture	
680-88767-23	CV0509N-CS	T	Solid	Moisture	
680-88767-24	CV0509O-CS	T	Solid	Moisture	
680-88767-26	CV0509Q-CS	T	Solid	Moisture	
680-88767-27	CV0509R-CS	T	Solid	Moisture	
680-88767-28	CV0509S-CS	T	Solid	Moisture	
680-88767-29	CV0509T-CS	T	Solid	Moisture	
680-88767-30	CV0509T-CSD	T	Solid	Moisture	
680-88767-31	CV0509U-CS	T	Solid	Moisture	
680-88767-33	CV0509W-CS	T	Solid	Moisture	
680-88767-34	CV0509X-CS	T	Solid	Moisture	
680-88767-35	CV0509Y-CS	T	Solid	Moisture	
680-88767-37	CV0509AA-CS	T	Solid	Moisture	
680-88767-38	CV0509BB-CS	T	Solid	Moisture	
680-88767-39	CV0509CC-CS	T	Solid	Moisture	
680-88767-40	CV0509CC-CSD	T	Solid	Moisture	
680-88767-A-41 MS	Matrix Spike	T	Solid	Moisture	
680-88767-A-41 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:660-135936					
LCS 660-135936/1	Lab Control Sample	T	Solid	Moisture	
LCSD 660-135936/21	Lab Control Sample Duplicate	T	Solid	Moisture	
640-42916-A-9 MS	Matrix Spike	T	Solid	Moisture	
640-42916-A-9 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-88767-25	CV0509P-CS	T	Solid	Moisture	
680-88767-32	CV0509V-CS	T	Solid	Moisture	
680-88767-36	CV0509Z-CS	T	Solid	Moisture	

Report Basis

T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Analysis Batch Number: 136048Lab Sample ID: IC 660-136048/5 Client Sample ID: _____Date Analyzed: 04/02/13 13:26 Lab File ID: 1CD02005.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Dibenz(a,h)anthracene	10.09	Baseline Event	cantins	04/02/

Lab Sample ID: IC 660-136048/6 Client Sample ID: _____Date Analyzed: 04/02/13 13:44 Lab File ID: 1CD02006.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/02/

Lab Sample ID: IC 660-136048/7 Client Sample ID: _____Date Analyzed: 04/02/13 14:02 Lab File ID: 1CD02007.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.00	Split Peak	cantins	04/02/

Lab Sample ID: IC 660-136048/8 Client Sample ID: _____Date Analyzed: 04/02/13 14:20 Lab File ID: 1CD02008.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.00	Split Peak	cantins	04/02/

Lab Sample ID: ICIS 660-136048/9 Client Sample ID: _____Date Analyzed: 04/02/13 14:39 Lab File ID: 1CD02009.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/02/

Lab Sample ID: IC 660-136048/10 Client Sample ID: _____Date Analyzed: 04/02/13 14:57 Lab File ID: 1CD02010.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/02/

Lab Sample ID: IC 660-136048/11 Client Sample ID: _____Date Analyzed: 04/02/13 15:15 Lab File ID: 1CD02011.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/02/

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2

SDG No.: 68088767-2

Instrument ID: BSMC5973 Analysis Batch Number: 136048

Lab Sample ID: ICV 660-136048/12 Client Sample ID: _____

Date Analyzed: 04/02/13 15:34 Lab File ID: 1CD02012.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/02/

DB-5MS _____ ID: 250 (um)

1

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Analysis Batch Number: 136131Lab Sample ID: CCVIS 660-136131/3 Client Sample ID: _____Date Analyzed: 04/04/13 11:50 Lab File ID: 1CD04003.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.06	Split Peak	cantins	04/04/

Lab Sample ID: LCS 660-136083/2-A Client Sample ID: _____Date Analyzed: 04/04/13 12:45 Lab File ID: 1CD04006.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.05	Split Peak	cantins	04/04/

Lab Sample ID: 680-88767-21 Client Sample ID: CV0509L-CSDate Analyzed: 04/04/13 13:03 Lab File ID: 1CD04007.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.53	Split Peak	cantins	04/04/
Benzo[k]fluoranthene	8.54	Baseline Event	cantins	04/04/
Indeno[1,2,3-cd]pyrene	10.03	Split Peak	cantins	04/04/

Lab Sample ID: 680-88767-21 MS Client Sample ID: CV0509L-CS MSDate Analyzed: 04/04/13 13:21 Lab File ID: 1CD04008.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.04	Split Peak	cantins	04/04/

Lab Sample ID: 680-88767-21 MSD Client Sample ID: CV0509L-CS MSDDate Analyzed: 04/04/13 13:40 Lab File ID: 1CD04009.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.03	Split Peak	cantins	04/04/

Lab Sample ID: 680-88767-29 Client Sample ID: CV0509T-CSDate Analyzed: 04/04/13 14:35 Lab File ID: 1CD04012.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/04/

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Analysis Batch Number: 136131Lab Sample ID: 680-88767-30 Client Sample ID: CV0509T-CSDDate Analyzed: 04/04/13 14:53 Lab File ID: 1CD04013.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.52	Split Peak	cantins	04/04/
Benzo[k]fluoranthene	8.53	Baseline Event	cantins	04/04/
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/04/

Lab Sample ID: LCS 660-136072/2-A Client Sample ID: _____Date Analyzed: 04/04/13 16:25 Lab File ID: 1CD04018.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/05/

Lab Sample ID: 680-88767-A-14-B MS Client Sample ID: _____Date Analyzed: 04/04/13 18:52 Lab File ID: 1CD04026.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/05/

Lab Sample ID: 680-88767-A-14-C MSD Client Sample ID: _____Date Analyzed: 04/04/13 19:10 Lab File ID: 1CD04027.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/05/

Lab Sample ID: 680-88767-22 Client Sample ID: CV0509M-CSDate Analyzed: 04/04/13 21:19 Lab File ID: 1CD04034.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.52	Split Peak	cantins	04/05/
Benzo[k]fluoranthene	8.53	Baseline Event	cantins	04/05/
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/05/

Lab Sample ID: 680-88767-23 Client Sample ID: CV0509N-CSDate Analyzed: 04/04/13 21:37 Lab File ID: 1CD04035.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/05/
Dibenz(a,h)anthracene	10.02	Baseline Event	cantins	04/05/
Benzo[g,h,i]perylene	10.36	Baseline Event	cantins	04/05/

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Analysis Batch Number: 136131Lab Sample ID: 680-88767-24 Client Sample ID: CV05090-CSDate Analyzed: 04/04/13 21:56 Lab File ID: 1CD04036.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.52	Split Peak	cantins	04/05/
Benzo[k]fluoranthene	8.53	Baseline Event	cantins	04/05/
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/05/

Lab Sample ID: 680-88767-25 Client Sample ID: CV0509P-CSDate Analyzed: 04/04/13 22:14 Lab File ID: 1CD04037.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.02	Split Peak	cantins	04/05/

Lab Sample ID: 680-88767-26 Client Sample ID: CV0509Q-CSDate Analyzed: 04/04/13 22:33 Lab File ID: 1CD04038.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/05/
Dibenz(a,h)anthracene	10.02	Baseline Event	cantins	04/05/

Lab Sample ID: 680-88767-27 Client Sample ID: CV0509R-CSDate Analyzed: 04/04/13 22:51 Lab File ID: 1CD04039.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.52	Split Peak	cantins	04/05/
Benzo[k]fluoranthene	8.53	Baseline Event	cantins	04/05/
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/05/

Lab Sample ID: 680-88767-28 Client Sample ID: CV0509S-CSDate Analyzed: 04/04/13 23:09 Lab File ID: 1CD04040.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.52	Split Peak	cantins	04/05/
Benzo[k]fluoranthene	8.53	Baseline Event	cantins	04/05/
Indeno[1,2,3-cd]pyrene	10.01	Split Peak	cantins	04/05/

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Analysis Batch Number: 136171Lab Sample ID: CCVIS 660-136171/4 Client Sample ID: _____Date Analyzed: 04/05/13 12:15 Lab File ID: 1CD05004.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	9.96	Split Peak	cantins	04/05/

Lab Sample ID: LCS 660-136087/2-A Client Sample ID: _____Date Analyzed: 04/05/13 13:49 Lab File ID: 1CD05009.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/

Lab Sample ID: 680-88767-31 Client Sample ID: CV0509U-CSDate Analyzed: 04/05/13 14:07 Lab File ID: 1CD05010.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.49	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/

Lab Sample ID: 680-88767-32 Client Sample ID: CV0509V-CSDate Analyzed: 04/05/13 14:26 Lab File ID: 1CD05011.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.49	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/

Lab Sample ID: 680-88767-33 Client Sample ID: CV0509W-CSDate Analyzed: 04/05/13 14:44 Lab File ID: 1CD05012.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.48	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Dibenz(a,h)anthracene	9.95	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/

Lab Sample ID: 680-88767-34 Client Sample ID: CV0509X-CSDate Analyzed: 04/05/13 15:02 Lab File ID: 1CD05013.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.49	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.96	Split Peak	cantins	04/09/

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Analysis Batch Number: 136171Lab Sample ID: 680-88767-35 Client Sample ID: CV0509Y-CSDate Analyzed: 04/05/13 15:21 Lab File ID: 1CD05014.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/
Dibenz(a,h)anthracene	9.97	Baseline Event	cantins	04/09/

Lab Sample ID: 680-88767-36 Client Sample ID: CV0509Z-CSDate Analyzed: 04/05/13 15:39 Lab File ID: 1CD05015.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.49	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/
Benzo[g,h,i]perylene	10.29	Baseline Event	cantins	04/09/

Lab Sample ID: 680-88767-37 Client Sample ID: CV0509AA-CSDate Analyzed: 04/05/13 15:57 Lab File ID: 1CD05016.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.48	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/
Benzo[g,h,i]perylene	10.29	Baseline Event	cantins	04/09/

Lab Sample ID: 680-88767-38 Client Sample ID: CV0509BB-CSDate Analyzed: 04/05/13 16:20 Lab File ID: 1CD05017.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	9.96	Split Peak	cantins	04/09/
Dibenz(a,h)anthracene	9.97	Baseline Event	cantins	04/09/

Lab Sample ID: 680-88767-39 Client Sample ID: CV0509CC-CSDate Analyzed: 04/05/13 16:38 Lab File ID: 1CD05018.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.49	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.96	Split Peak	cantins	04/09/
Dibenz(a,h)anthracene	9.97	Baseline Event	cantins	04/09/
Benzo[g,h,i]perylene	10.30	Baseline Event	cantins	04/09/

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

DB-5MS _____ ID: 250 (um)

|

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Analysis Batch Number: 136171Lab Sample ID: 680-88767-40 Client Sample ID: CV0509CC-CSDDate Analyzed: 04/05/13 16:57 Lab File ID: 1CD05019.D GC Column:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Benzo[b]fluoranthene	8.49	Split Peak	cantins	04/09/
Benzo[k]fluoranthene	8.50	Baseline Event	cantins	04/09/
Indeno[1,2,3-cd]pyrene	9.95	Split Peak	cantins	04/09/

Lab Sample ID: 680-88767-A-41-B MS Client Sample ID: Date Analyzed: 04/05/13 17:33 Lab File ID: 1CD05021.D GC Column:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	9.96	Split Peak	cantins	04/09/

Lab Sample ID: 680-88767-A-41-C MSD Client Sample ID: Date Analyzed: 04/05/13 17:52 Lab File ID: 1CD05022.D GC Column:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	9.96	Split Peak	cantins	04/09/

DB-5MS _____ ID: 250 (um)

1

DB-5MS _____ ID: 250 (um)

1

DB-5MS _____ ID: 250 (um)

1

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2

SDG No.: 68088767-2

Instrument ID: BSMC5973 Analysis Batch Number: 136263

Lab Sample ID: CCVIS 660-136263/3 Client Sample ID: _____

Date Analyzed: 04/09/13 11:47 Lab File ID: 1CD09003.D GC Column: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	D
Indeno[1,2,3-cd]pyrene	9.96	Split Peak	cantins	04/09/

DB-5MS _____ ID: 250 (um)

1

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.: 680-88767-2

SDG No.: 68088767-2

Matrix: Solid

Level: Low

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

Client Sample ID	Lab Sample ID	OTPH #
CV0509L-CS	680-88767-21	71
CV0509M-CS	680-88767-22	115
CV0509N-CS	680-88767-23	59
CV0509O-CS	680-88767-24	71
CV0509P-CS	680-88767-25	66
CV0509Q-CS	680-88767-26	62
CV0509R-CS	680-88767-27	69
CV0509S-CS	680-88767-28	64
CV0509T-CS	680-88767-29	80
CV0509T-CSD	680-88767-30	100
CV0509U-CS	680-88767-31	104
CV0509V-CS	680-88767-32	71
CV0509W-CS	680-88767-33	74
CV0509X-CS	680-88767-34	67
CV0509Y-CS	680-88767-35	94
CV0509Z-CS	680-88767-36	67
CV0509AA-CS	680-88767-37	87
CV0509BB-CS	680-88767-38	94
CV0509CC-CS	680-88767-39	96
CV0509CC-CSD	680-88767-40	81
	MB 660-136072/1-A	87
	MB 660-136083/1-A	75
	MB 660-136087/1-A	69
	LCS 660-136072/2-A	79
	LCS 660-136083/2-A	95
	LCS 660-136087/2-A	77
	680-88767-A-14-B MS	70
	680-88767-A-41-B MS	65
CV0509L-CS MS	680-88767-21 MS	76
	680-88767-A-14-C MSD	80

OTPH = o-Terphenyl

QC LIMITS
30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2

SDG No.: 68088767-2

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH #
	680-88767-A-41-C MSD	65
CV0509L-CS MSD	680-88767-21 MSD	66

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.: 680-88767-2

SDG No.: 68088767-2

Matrix: Solid Level: Low Lab File ID: 1CD04018.D

Lab ID: LCS 660-136072/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	657	472	72	39-130	
Acenaphthylene	657	556	85	38-130	
Anthracene	657	514	78	37-130	
Benzo[a]anthracene	657	596	91	40-130	
Benzo[a]pyrene	657	519	79	49-130	
Benzo[b]fluoranthene	657	559	85	37-130	
Benzo[g,h,i]perylene	657	504	77	32-130	
Benzo[k]fluoranthene	657	551	84	32-130	
Chrysene	657	564	86	41-130	
Dibenz(a,h)anthracene	657	538	82	27-130	
Fluoranthene	657	599	91	40-130	
Fluorene	657	514	78	40-130	
Indeno[1,2,3-cd]pyrene	657	486	74	30-130	
1-Methylnaphthalene	657	656	100	31-130	
2-Methylnaphthalene	657	536	81	33-130	
Naphthalene	657	565	86	36-130	
Phenanthrene	657	552	84	42-130	
Pyrene	657	602	92	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.: 680-88767-2
 SDG No.: 68088767-2
 Matrix: Solid Level: Low Lab File ID: 1CD04006.D
 Lab ID: LCS 660-136083/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	652	464	71	39-130	
Acenaphthylene	652	516	79	38-130	
Anthracene	652	565	87	37-130	
Benzo[a]anthracene	652	560	86	40-130	
Benzo[a]pyrene	652	496	76	49-130	
Benzo[b]fluoranthene	652	538	82	37-130	
Benzo[g,h,i]perylene	652	522	80	32-130	
Benzo[k]fluoranthene	652	549	84	32-130	
Chrysene	652	535	82	41-130	
Dibenz(a,h)anthracene	652	572	88	27-130	
Fluoranthene	652	587	90	40-130	
Fluorene	652	518	80	40-130	
Indeno[1,2,3-cd]pyrene	652	502	77	30-130	
1-Methylnaphthalene	652	601	92	31-130	
2-Methylnaphthalene	652	524	80	33-130	
Naphthalene	652	491	75	36-130	
Phenanthrene	652	550	84	42-130	
Pyrene	652	514	79	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.: 680-88767-2

SDG No.: 68088767-2

Matrix: Solid Level: Low Lab File ID: 1CD05009.D

Lab ID: LCS 660-136087/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	651	495	76	39-130	
Acenaphthylene	651	455	70	38-130	
Anthracene	651	452	69	37-130	
Benzo[a]anthracene	651	503	77	40-130	
Benzo[a]pyrene	651	454	70	49-130	
Benzo[b]fluoranthene	651	483	74	37-130	
Benzo[g,h,i]perylene	651	478	73	32-130	
Benzo[k]fluoranthene	651	523	80	32-130	
Chrysene	651	449	69	41-130	
Dibenz(a,h)anthracene	651	529	81	27-130	
Fluoranthene	651	534	82	40-130	
Fluorene	651	517	79	40-130	
Indeno[1,2,3-cd]pyrene	651	456	70	30-130	
1-Methylnaphthalene	651	530	81	31-130	
2-Methylnaphthalene	651	447	69	33-130	
Naphthalene	651	455	70	36-130	
Phenanthrene	651	461	71	42-130	
Pyrene	651	496	76	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.: 680-88767-2
 SDG No.: 68088767-2
 Matrix: Solid Level: Low Lab File ID: 1CD04026.D
 Lab ID: 680-88767-A-14-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	840	130 U	609	72	39-130	
Acenaphthylene	840	15 J	665	77	38-130	
Anthracene	840	41	644	72	37-130	
Benzo[a]anthracene	840	200	903	84	40-130	
Benzo[a]pyrene	840	180	833	78	49-130	
Benzo[b]fluoranthene	840	300	937	76	37-130	
Benzo[g,h,i]perylene	840	130	760	75	32-130	
Benzo[k]fluoranthene	840	110	973	102	32-130	
Chrysene	840	210	959	90	41-130	
Dibenz(a,h)anthracene	840	44	673	75	27-130	
Fluoranthene	840	350	1080	87	40-130	
Fluorene	840	19 J	622	72	40-130	
Indeno[1,2,3-cd]pyrene	840	120	712	70	30-130	
1-Methylnaphthalene	840	37 J	740	84	31-130	
2-Methylnaphthalene	840	50	680	75	33-130	
Naphthalene	840	45 J	663	74	36-130	
Phenanthrene	840	230	823	71	42-130	
Pyrene	840	320	1080	91	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.: 680-88767-2
 SDG No.: 68088767-2
 Matrix: Solid Level: Low Lab File ID: 1CD05021.D
 Lab ID: 680-88767-A-41-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	813	120 U	545	67	39-130	
Acenaphthylene	813	11 J	553	67	38-130	
Anthracene	813	23	579	68	37-130	
Benzo[a]anthracene	813	150	761	76	40-130	
Benzo[a]pyrene	813	120	715	73	49-130	
Benzo[b]fluoranthene	813	210	880	82	37-130	
Benzo[g,h,i]perylene	813	99	631	66	32-130	
Benzo[k]fluoranthene	813	79	677	73	32-130	
Chrysene	813	150	746	74	41-130	
Dibenz(a,h)anthracene	813	36	579	67	27-130	
Fluoranthene	813	210	944	91	40-130	
Fluorene	813	17 J	553	66	40-130	
Indeno[1,2,3-cd]pyrene	813	99	618	64	30-130	
1-Methylnaphthalene	813	31 J	626	73	31-130	
2-Methylnaphthalene	813	29 J	635	75	33-130	
Naphthalene	813	37 J	533	61	36-130	
Phenanthrene	813	110	834	88	42-130	
Pyrene	813	180	941	93	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.: 680-88767-2
 SDG No.: 68088767-2
 Matrix: Solid Level: Low Lab File ID: 1CD04008.D
 Lab ID: 680-88767-21 MS Client ID: CV0509L-CS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	916	140 U	704	77	39-130	
Acenaphthylene	916	13 J	705	76	38-130	
Anthracene	916	43	781	81	37-130	
Benzo[a]anthracene	916	260	971	77	40-130	
Benzo[a]pyrene	916	240	837	65	49-130	
Benzo[b]fluoranthene	916	320	1070	81	37-130	
Benzo[g,h,i]perylene	916	200	793	65	32-130	
Benzo[k]fluoranthene	916	160	832	73	32-130	
Chrysene	916	240	905	73	41-130	
Dibenz(a,h)anthracene	916	58	761	77	27-130	
Fluoranthene	916	440	1220	85	40-130	
Fluorene	916	9.8 J	709	76	40-130	
Indeno[1,2,3-cd]pyrene	916	160	769	66	30-130	
1-Methylnaphthalene	916	33 J	778	81	31-130	
2-Methylnaphthalene	916	29 J	716	75	33-130	
Naphthalene	916	20 J	672	71	36-130	
Phenanthrene	916	180	1020	91	42-130	
Pyrene	916	350	1120	84	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.: 680-88767-2
 SDG No.: 68088767-2
 Matrix: Solid Level: Low Lab File ID: 1CD04027.D
 Lab ID: 680-88767-A-14-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	840	686	82	12	40	39-130	
Acenaphthylene	840	689	80	4	40	38-130	
Anthracene	840	774	87	18	40	37-130	
Benzo[a]anthracene	840	1050	101	15	40	40-130	
Benzo[a]pyrene	840	987	97	17	40	49-130	
Benzo[b]fluoranthene	840	1300	119	32	40	37-130	
Benzo[g,h,i]perylene	840	834	84	9	40	32-130	
Benzo[k]fluoranthene	840	952	100	2	40	32-130	
Chrysene	840	1050	101	9	40	41-130	
Dibenz(a,h)anthracene	840	781	88	15	40	27-130	
Fluoranthene	840	1430	129	28	40	40-130	
Fluorene	840	716	83	14	40	40-130	
Indeno[1,2,3-cd]pyrene	840	854	87	18	40	30-130	
1-Methylnaphthalene	840	784	89	6	40	31-130	
2-Methylnaphthalene	840	758	84	11	40	33-130	
Naphthalene	840	687	76	4	40	36-130	
Phenanthrene	840	1190	114	36	40	42-130	
Pyrene	840	1310	118	19	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.: 680-88767-2
 SDG No.: 68088767-2
 Matrix: Solid Level: Low Lab File ID: 1CD05022.D
 Lab ID: 680-88767-A-41-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	813	467	57	16	40	39-130	
Acenaphthylene	813	554	67	0	40	38-130	
Anthracene	813	527	62	9	40	37-130	
Benzo[a]anthracene	813	766	76	1	40	40-130	
Benzo[a]pyrene	813	690	70	4	40	49-130	
Benzo[b]fluoranthene	813	881	82	0	40	37-130	
Benzo[g,h,i]perylene	813	661	69	5	40	32-130	
Benzo[k]fluoranthene	813	659	71	3	40	32-130	
Chrysene	813	772	77	3	40	41-130	
Dibenz(a,h)anthracene	813	598	69	3	40	27-130	
Fluoranthene	813	812	74	15	40	40-130	
Fluorene	813	569	68	3	40	40-130	
Indeno[1,2,3-cd]pyrene	813	615	63	1	40	30-130	
1-Methylnaphthalene	813	572	67	9	40	31-130	
2-Methylnaphthalene	813	511	59	22	40	33-130	
Naphthalene	813	494	56	8	40	36-130	
Phenanthrene	813	701	72	17	40	42-130	
Pyrene	813	866	84	8	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.: 680-88767-2
 SDG No.: 68088767-2
 Matrix: Solid Level: Low Lab File ID: 1CD04009.D
 Lab ID: 680-88767-21 MSD Client ID: CV0509L-CS MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	910	542	60	26	40	39-130	
Acenaphthylene	910	622	67	12	40	38-130	
Anthracene	910	612	63	24	40	37-130	
Benzo[a]anthracene	910	813	60	18	40	40-130	
Benzo[a]pyrene	910	732	54	13	40	49-130	
Benzo[b]fluoranthene	910	816	54	27	40	37-130	
Benzo[g,h,i]perylene	910	702	55	12	40	32-130	
Benzo[k]fluoranthene	910	874	78	5	40	32-130	
Chrysene	910	767	58	17	40	41-130	
Dibenz(a,h)anthracene	910	683	69	11	40	27-130	
Fluoranthene	910	978	59	22	40	40-130	
Fluorene	910	601	65	17	40	40-130	
Indeno[1,2,3-cd]pyrene	910	703	59	9	40	30-130	
1-Methylnaphthalene	910	626	65	22	40	31-130	
2-Methylnaphthalene	910	569	59	23	40	33-130	
Naphthalene	910	537	57	22	40	36-130	
Phenanthrene	910	801	68	24	40	42-130	
Pyrene	910	893	60	22	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.: 680-88767-2
 SDG No.: 68088767-2
 Lab File ID: 1CD04017.D Lab Sample ID: MB 660-136072/1-A
 Matrix: Solid Date Extracted: 04/03/2013 11:18
 Instrument ID: BSMC5973 Date Analyzed: 04/04/2013 16:07
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 660-136072/2-A	1CD04018.D	04/04/2013 16:25
	680-88767-A-14-B MS	1CD04026.D	04/04/2013 18:52
	680-88767-A-14-C MSD	1CD04027.D	04/04/2013 19:10
CV0509M-CS	680-88767-22	1CD04034.D	04/04/2013 21:19
CV0509N-CS	680-88767-23	1CD04035.D	04/04/2013 21:37
CV0509O-CS	680-88767-24	1CD04036.D	04/04/2013 21:56
CV0509P-CS	680-88767-25	1CD04037.D	04/04/2013 22:14
CV0509Q-CS	680-88767-26	1CD04038.D	04/04/2013 22:33
CV0509R-CS	680-88767-27	1CD04039.D	04/04/2013 22:51
CV0509S-CS	680-88767-28	1CD04040.D	04/04/2013 23:09

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
SDG No.: 68088767-2
Lab File ID: 1CD04005.D Lab Sample ID: MB 660-136083/1-A
Matrix: Solid Date Extracted: 04/03/2013 13:44
Instrument ID: BSMC5973 Date Analyzed: 04/04/2013 12:26
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 660-136083/2-A	1CD04006.D	04/04/2013 12:45
CV0509L-CS	680-88767-21	1CD04007.D	04/04/2013 13:03
CV0509L-CS MS	680-88767-21 MS	1CD04008.D	04/04/2013 13:21
CV0509L-CS MSD	680-88767-21 MSD	1CD04009.D	04/04/2013 13:40
CV0509T-CS	680-88767-29	1CD04012.D	04/04/2013 14:35
CV0509T-CSD	680-88767-30	1CD04013.D	04/04/2013 14:53

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab File ID: 1CD05008.D Lab Sample ID: MB 660-136087/1-A
 Matrix: Solid Date Extracted: 04/03/2013 15:12
 Instrument ID: BSMC5973 Date Analyzed: 04/05/2013 13:31
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 660-136087/2-A	1CD05009.D	04/05/2013 13:49
CV0509U-CS	680-88767-31	1CD05010.D	04/05/2013 14:07
CV0509V-CS	680-88767-32	1CD05011.D	04/05/2013 14:26
CV0509W-CS	680-88767-33	1CD05012.D	04/05/2013 14:44
CV0509X-CS	680-88767-34	1CD05013.D	04/05/2013 15:02
CV0509Y-CS	680-88767-35	1CD05014.D	04/05/2013 15:21
CV0509Z-CS	680-88767-36	1CD05015.D	04/05/2013 15:39
CV0509AA-CS	680-88767-37	1CD05016.D	04/05/2013 15:57
CV0509BB-CS	680-88767-38	1CD05017.D	04/05/2013 16:20
CV0509CC-CS	680-88767-39	1CD05018.D	04/05/2013 16:38
CV0509CC-CSD	680-88767-40	1CD05019.D	04/05/2013 16:57
	680-88767-A-41-B MS	1CD05021.D	04/05/2013 17:33
	680-88767-A-41-C MSD	1CD05022.D	04/05/2013 17:52
CV0509X-CS DL	680-88767-34 DL	1CD09007.D	04/09/2013 13:05

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

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab File ID: 1CD02002.D DFTPP Injection Date: 04/02/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:31
 Analysis Batch No.: 136048

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	34.9
68	Less than 2.0 % of mass 69	0.8 (1.6)1
69	Mass 69 relative abundance	49.9
70	Less than 2.0 % of mass 69	0.4 (0.9)1
127	10.0 - 80.0 % of mass 198	42.2
197	Less than 2.0 % of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.6
275	10.0 - 60.0 % of mass 198	21.5
365	Greater than 1.0 % of mass 198	3.4
441	Present but less than mass 443	10.2
442	Greater than 50.0 % of mass 198	56.7
443	15.0 - 24.0 % of mass 442	11.0 (19.4)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 660-136048/5	1CD02005.D	04/02/2013	13:26
	IC 660-136048/6	1CD02006.D	04/02/2013	13:44
	IC 660-136048/7	1CD02007.D	04/02/2013	14:02
	IC 660-136048/8	1CD02008.D	04/02/2013	14:20
	ICIS 660-136048/9	1CD02009.D	04/02/2013	14:39
	IC 660-136048/10	1CD02010.D	04/02/2013	14:57
	IC 660-136048/11	1CD02011.D	04/02/2013	15:15
	ICV 660-136048/12	1CD02012.D	04/02/2013	15:34

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

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab File ID: 1CD04002.D DFTPP Injection Date: 04/04/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:33
 Analysis Batch No.: 136131

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	37.6
68	Less than 2.0 % of mass 69	0.9 (1.9)1
69	Mass 69 relative abundance	47.3
70	Less than 2.0 % of mass 69	0.3 (0.6)1
127	10.0 - 80.0 % of mass 198	48.6
197	Less than 2.0 % of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.1
275	10.0 - 60.0 % of mass 198	24.0
365	Greater than 1.0 % of mass 198	3.1
441	Present but less than mass 443	10.8
442	Greater than 50.0 % of mass 198	74.3
443	15.0 - 24.0 % of mass 442	13.2 (17.8)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 660-136131/3	1CD04003.D	04/04/2013	11:50
	MB 660-136083/1-A	1CD04005.D	04/04/2013	12:26
	LCS 660-136083/2-A	1CD04006.D	04/04/2013	12:45
CV0509L-CS	680-88767-21	1CD04007.D	04/04/2013	13:03
CV0509L-CS MS	680-88767-21 MS	1CD04008.D	04/04/2013	13:21
CV0509L-CS MSD	680-88767-21 MSD	1CD04009.D	04/04/2013	13:40
CV0509T-CS	680-88767-29	1CD04012.D	04/04/2013	14:35
CV0509T-CSD	680-88767-30	1CD04013.D	04/04/2013	14:53
	MB 660-136072/1-A	1CD04017.D	04/04/2013	16:07
	LCS 660-136072/2-A	1CD04018.D	04/04/2013	16:25
	680-88767-A-14-B MS	1CD04026.D	04/04/2013	18:52
	680-88767-A-14-C MSD	1CD04027.D	04/04/2013	19:10
CV0509M-CS	680-88767-22	1CD04034.D	04/04/2013	21:19
CV0509N-CS	680-88767-23	1CD04035.D	04/04/2013	21:37
CV0509O-CS	680-88767-24	1CD04036.D	04/04/2013	21:56
CV0509P-CS	680-88767-25	1CD04037.D	04/04/2013	22:14
CV0509Q-CS	680-88767-26	1CD04038.D	04/04/2013	22:33
CV0509R-CS	680-88767-27	1CD04039.D	04/04/2013	22:51
CV0509S-CS	680-88767-28	1CD04040.D	04/04/2013	23:09

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

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab File ID: 1CD05003.D DFTPP Injection Date: 04/05/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:57
 Analysis Batch No.: 136171

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	41.6
68	Less than 2.0 % of mass 69	0.8 (1.4)1
69	Mass 69 relative abundance	55.3
70	Less than 2.0 % of mass 69	0.3 (0.6)1
127	10.0 - 80.0 % of mass 198	49.0
197	Less than 2.0 % of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.7
275	10.0 - 60.0 % of mass 198	19.3
365	Greater than 1.0 % of mass 198	3.0
441	Present but less than mass 443	7.6
442	Greater than 50.0 % of mass 198	55.6
443	15.0 - 24.0 % of mass 442	11.7 (21.0)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 660-136171/4	1CD05004.D	04/05/2013	12:15
	MB 660-136087/1-A	1CD05008.D	04/05/2013	13:31
	LCS 660-136087/2-A	1CD05009.D	04/05/2013	13:49
CV0509U-CS	680-88767-31	1CD05010.D	04/05/2013	14:07
CV0509V-CS	680-88767-32	1CD05011.D	04/05/2013	14:26
CV0509W-CS	680-88767-33	1CD05012.D	04/05/2013	14:44
CV0509X-CS	680-88767-34	1CD05013.D	04/05/2013	15:02
CV0509Y-CS	680-88767-35	1CD05014.D	04/05/2013	15:21
CV0509Z-CS	680-88767-36	1CD05015.D	04/05/2013	15:39
CV0509AA-CS	680-88767-37	1CD05016.D	04/05/2013	15:57
CV0509BB-CS	680-88767-38	1CD05017.D	04/05/2013	16:20
CV0509CC-CS	680-88767-39	1CD05018.D	04/05/2013	16:38
CV0509CC-CSD	680-88767-40	1CD05019.D	04/05/2013	16:57
	680-88767-A-41-B MS	1CD05021.D	04/05/2013	17:33
	680-88767-A-41-C MSD	1CD05022.D	04/05/2013	17:52

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

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab File ID: 1CD09002.D DFTPP Injection Date: 04/09/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:31
 Analysis Batch No.: 136263

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	37.7
68	Less than 2.0 % of mass 69	0.6 (1.2)1
69	Mass 69 relative abundance	49.2
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	10.0 - 80.0 % of mass 198	44.8
197	Less than 2.0 % of mass 198	0.7
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.5
275	10.0 - 60.0 % of mass 198	19.1
365	Greater than 1.0 % of mass 198	4.5
441	Present but less than mass 443	12.1
442	Greater than 50.0 % of mass 198	81.3
443	15.0 - 24.0 % of mass 442	18.0 (22.1)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 660-136263/3	1CD09003.D	04/09/2013	11:47
CV0509X-CS DL	680-88767-34 DL	1CD09007.D	04/09/2013	13:05

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

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: ICIS 660-136048/9 Date Analyzed: 04/02/2013 14:39
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD02009.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	501011	3.71	361349	4.80	702974	5.75
UPPER LIMIT	1002022	4.21	722698	5.30	1405948	6.25
LOWER LIMIT	250506	3.21	180675	4.30	351487	5.25
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-136048/12	649122	3.71	500935	4.80	955391	5.75

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.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: ICIS 660-136048/9 Date Analyzed: 04/02/2013 14:39
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD02009.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
INITIAL CALIBRATION MID-POINT	875378	7.69	942955	8.86		
UPPER LIMIT	1750756	8.19	1885910	9.36		
LOWER LIMIT	437689	7.19	471478	8.36		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-136048/12	1249690	7.69	1306409	8.86		

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.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: CCVIS 660-136131/3 Date Analyzed: 04/04/2013 11:50
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD04003.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	410068	3.69	312571	4.79	602712	5.73	
UPPER LIMIT	820136	4.19	625142	5.29	1205424	6.23	
LOWER LIMIT	205034	3.19	156286	4.29	301356	5.23	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-136083/1-A	475988	3.69	338824	4.78	703163	5.73	
LCS 660-136083/2-A	389328	3.69	301628	4.78	575912	5.73	
680-88767-21	CV0509L-CS	464299	3.69	359945	4.78	708250	5.73
680-88767-21 MS	CV0509L-CS MS	494933	3.69	378357	4.78	709910	5.73
680-88767-21 MSD	CV0509L-CS MSD	501796	3.70	371359	4.79	716867	5.73
680-88767-29	CV0509T-CS	465161	3.70	348189	4.78	695915	5.73
680-88767-30	CV0509T-CSD	460157	3.69	352622	4.78	705300	5.73
MB 660-136072/1-A	448957	3.69	350129	4.79	699563	5.73	
LCS 660-136072/2-A	437243	3.69	353803	4.79	720796	5.73	
680-88767-A-14-B MS	493002	3.69	395089	4.79	785200	5.73	
680-88767-A-14-C MSD	501990	3.70	379064	4.79	721133	5.73	
680-88767-22	CV0509M-CS	523413	3.70	393717	4.79	780477	5.73
680-88767-23	CV0509N-CS	506742	3.69	384494	4.79	761750	5.73
680-88767-24	CV0509O-CS	515135	3.69	396542	4.79	761501	5.73
680-88767-25	CV0509P-CS	529158	3.70	412203	4.79	808092	5.73
680-88767-26	CV0509Q-CS	531805	3.70	414646	4.79	818599	5.73
680-88767-27	CV0509R-CS	517466	3.69	406840	4.78	784015	5.73
680-88767-28	CV0509S-CS	522211	3.70	402917	4.79	775408	5.73

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.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: CCVIS 660-136131/3 Date Analyzed: 04/04/2013 11:50
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD04003.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	790423	7.69	846222	8.89		
UPPER LIMIT	1580846	8.19	1692444	9.39		
LOWER LIMIT	395212	7.19	423111	8.39		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 660-136083/1-A		868760	7.69	937273	8.87	
LCS 660-136083/2-A		832889	7.69	878710	8.87	
680-88767-21	CV0509L-CS	900697	7.69	901331	8.87	
680-88767-21 MS	CV0509L-CS MS	891562	7.69	880345	8.87	
680-88767-21 MSD	CV0509L-CS MSD	878785	7.69	858819	8.87	
680-88767-29	CV0509T-CS	834047	7.68	825596	8.87	
680-88767-30	CV0509T-CSD	850401	7.68	838905	8.86	
MB 660-136072/1-A		829418	7.68	791436	8.87	
LCS 660-136072/2-A		841673	7.68	849313	8.87	
680-88767-A-14-B MS		876742	7.69	833239	8.86	
680-88767-A-14-C MSD		826401	7.69	776193	8.86	
680-88767-22	CV0509M-CS	850210	7.68	809489	8.86	
680-88767-23	CV0509N-CS	835555	7.68	800283	8.86	
680-88767-24	CV0509O-CS	863633	7.68	782987	8.86	
680-88767-25	CV0509P-CS	897558	7.68	826113	8.86	
680-88767-26	CV0509Q-CS	910308	7.68	878863	8.86	
680-88767-27	CV0509R-CS	844402	7.68	824354	8.86	
680-88767-28	CV0509S-CS	849370	7.68	786787	8.86	

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.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: CCVIS 660-136171/4 Date Analyzed: 04/05/2013 12:15
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD05004.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	392528	3.69	289150	4.78	539578	5.72	
UPPER LIMIT	785056	4.19	578300	5.28	1079156	6.22	
LOWER LIMIT	196264	3.19	144575	4.28	269789	5.22	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-136087/1-A		440415	3.69	321595	4.77	634040	5.72
LCS 660-136087/2-A		405055	3.69	305607	4.78	623523	5.72
680-88767-31	CV0509U-CS	460243	3.69	350748	4.77	694340	5.72
680-88767-32	CV0509V-CS	447852	3.69	345475	4.78	689625	5.72
680-88767-33	CV0509W-CS	491422	3.69	399078	4.78	741744	5.72
680-88767-34	CV0509X-CS	535288	3.69	403047	4.78	798373	5.72
680-88767-35	CV0509Y-CS	531432	3.69	401151	4.78	770699	5.72
680-88767-36	CV0509Z-CS	491117	3.69	384452	4.78	795362	5.72
680-88767-37	CV0509AA-CS	507429	3.69	376069	4.78	719949	5.72
680-88767-38	CV0509BB-CS	499679	3.69	377788	4.78	740739	5.73
680-88767-39	CV0509CC-CS	510446	3.69	392864	4.78	757055	5.72
680-88767-40	CV0509CC-CSD	511501	3.69	374155	4.78	769147	5.72
680-88767-A-41-B MS		504308	3.69	381521	4.78	764467	5.72
680-88767-A-41-C MSD		592710	3.69	441877	4.78	870768	5.72

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.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: CCVIS 660-136171/4 Date Analyzed: 04/05/2013 12:15
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD05004.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	739705	7.66	746693	8.83		
UPPER LIMIT	1479410	8.16	1493386	9.33		
LOWER LIMIT	369853	7.16	373347	8.33		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 660-136087/1-A		799526	7.66	849543	8.82	
LCS 660-136087/2-A		814038	7.66	828022	8.82	
680-88767-31	CV0509U-CS	856966	7.66	863568	8.82	
680-88767-32	CV0509V-CS	833854	7.66	848577	8.82	
680-88767-33	CV0509W-CS	899463	7.66	890327	8.82	
680-88767-34	CV0509X-CS	969215	7.66	941953	8.83	
680-88767-35	CV0509Y-CS	887476	7.66	850078	8.82	
680-88767-36	CV0509Z-CS	918704	7.66	882846	8.82	
680-88767-37	CV0509AA-CS	840802	7.66	838586	8.82	
680-88767-38	CV0509BB-CS	833006	7.66	786700	8.83	
680-88767-39	CV0509CC-CS	844512	7.66	826238	8.83	
680-88767-40	CV0509CC-CSD	845961	7.66	815143	8.83	
680-88767-A-41-B MS		870786	7.66	839205	8.83	
680-88767-A-41-C MSD		920152	7.66	845257	8.83	

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.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: CCVIS 660-136263/3 Date Analyzed: 04/09/2013 11:47
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD09003.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	357710	3.69	263195	4.77	531432	5.72
UPPER LIMIT	715420	4.19	526390	5.27	1062864	6.22
LOWER LIMIT	178855	3.19	131598	4.27	265716	5.22
LAB SAMPLE ID	CLIENT SAMPLE ID					
680-88767-34 DL	CV0509X-CS DL	341486	3.69	248433	4.77	486115 5.72

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.: 680-88767-2
 SDG No.: 68088767-2
 Sample No.: CCVIS 660-136263/3 Date Analyzed: 04/09/2013 11:47
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD09003.D Heated Purge: (Y/N) N
 Calibration ID: 2859

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	649492	7.66	642611	8.83		
UPPER LIMIT	1298984	8.16	1285222	9.33		
LOWER LIMIT	324746	7.16	321306	8.33		
LAB SAMPLE ID	CLIENT SAMPLE ID					
680-88767-34 DL	CV0509X-CS DL		605282	7.65	632291	8.82

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 8270C LL

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509L-CS Lab Sample ID: 680-88767-21
 Matrix: Solid Lab File ID: 1CD04007.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 10:22
 Extract. Method: 3546 Date Extracted: 04/03/2013 13:44
 Sample wt/vol: 14.99(g) Date Analyzed: 04/04/2013 13:03
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 27.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	27
208-96-8	Acenaphthylene	13	J	55	6.9
120-12-7	Anthracene	43		12	5.8
56-55-3	Benzo[a]anthracene	260		11	5.4
50-32-8	Benzo[a]pyrene	240		14	7.1
205-99-2	Benzo[b]fluoranthene	320		17	8.4
191-24-2	Benzo[g,h,i]perylene	200		27	6.0
207-08-9	Benzo[k]fluoranthene	160		11	4.9
218-01-9	Chrysene	240		12	6.2
53-70-3	Dibenz(a,h)anthracene	58		27	5.6
206-44-0	Fluoranthene	440		27	5.5
86-73-7	Fluorene	9.8	J	27	5.6
193-39-5	Indeno[1,2,3-cd]pyrene	160		27	9.7
90-12-0	1-Methylnaphthalene	33	J	55	6.0
91-57-6	2-Methylnaphthalene	29	J	55	9.7
91-20-3	Naphthalene	20	J	55	6.0
85-01-8	Phenanthrene	180		11	5.4
129-00-0	Pyrene	350		27	5.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04007.D
 Lab Smp Id: 680-88767-A-21-A Client Smp ID: CV0509L-CS
 Inj Date : 04-APR-2013 13:03
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-A-21-A
 Misc Info : 680-88767-A-21-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 7
 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	14.990	Weight Extracted
M	27.107	% 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		3.692	3.692	(1.000)	464299	40.0000		
* 6 Acenaphthene-d10	164		4.780	4.786	(1.000)	359945	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	708250	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	73635	7.09500	649.3298	
* 18 Chrysene-d12	240		7.686	7.692	(1.000)	900697	40.0000		
* 23 Perylene-d12	264		8.874	8.886	(1.000)	901331	40.0000		
2 Naphthalene	128		3.704	3.710	(1.003)	2655	0.22263	20.3752(Q)	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	2533	0.31203	28.5567	
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	2656	0.36361	33.2776	
5 Acenaphthylene	152		4.698	4.698	(0.983)	2043	0.13714	12.5509	
9 Fluorene	166		5.121	5.127	(1.071)	1314	0.10683	9.7766(Q)	
11 Phenanthrene	178		5.751	5.751	(1.003)	41053	1.99020	182.1421	
12 Anthracene	178		5.786	5.786	(1.009)	9862	0.47163	43.1636	
13 Carbazole	167		5.892	5.898	(1.028)	5815	0.32459	29.7064	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	6.592	6.592	(1.150)	109072	4.78795	438.1902
16 Pyrene	202	6.757	6.763	(0.879)	94841	3.80124	347.8872
17 Benzo(a)anthracene	228	7.680	7.686	(0.999)	71695	2.88281	263.8331
19 Chrysene	228	7.704	7.710	(1.002)	66230	2.58046	236.1623
20 Benzo(b)fluoranthene	252	8.527	8.533	(0.961)	89842	3.52579	322.6778(M)
21 Benzo(k)fluoranthene	252	8.539	8.557	(0.962)	44043	1.78709	163.5532(QM)
22 Benzo(a)pyrene	252	8.821	8.827	(0.994)	62820	2.61858	239.6503
24 Indeno(1,2,3-cd)pyrene	276	10.033	10.056	(1.131)	40572	1.78056	162.9557(M)
25 Dibenzo(a,h)anthracene	278	10.051	10.074	(1.133)	13265	0.63020	57.6752
26 Benzo(g,h,i)perylene	276	10.386	10.415	(1.170)	50429	2.16844	198.4539

QC Flag Legend

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

Data File: 1CD04007.D

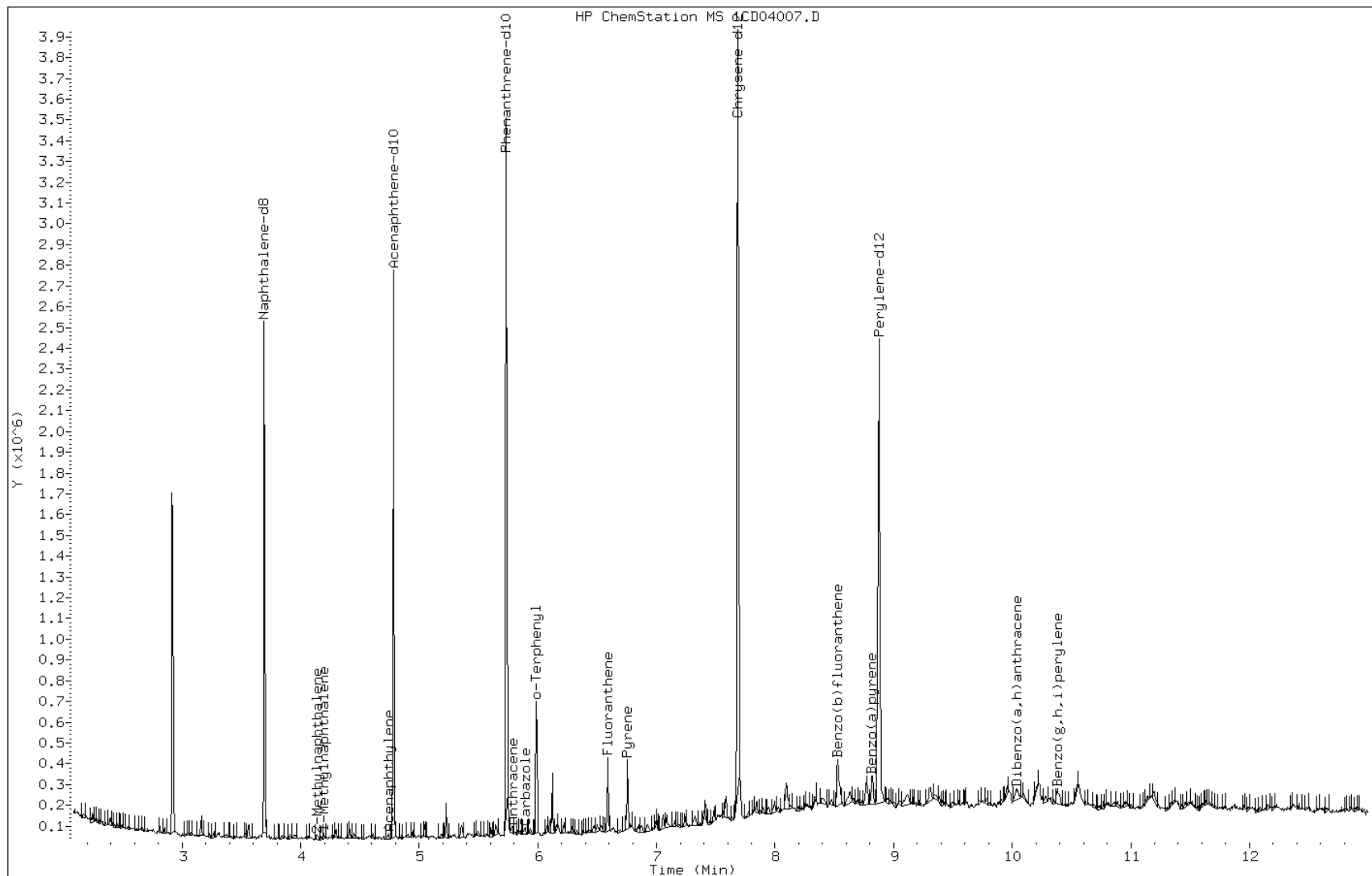
Date: 04-APR-2013 13:03

Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

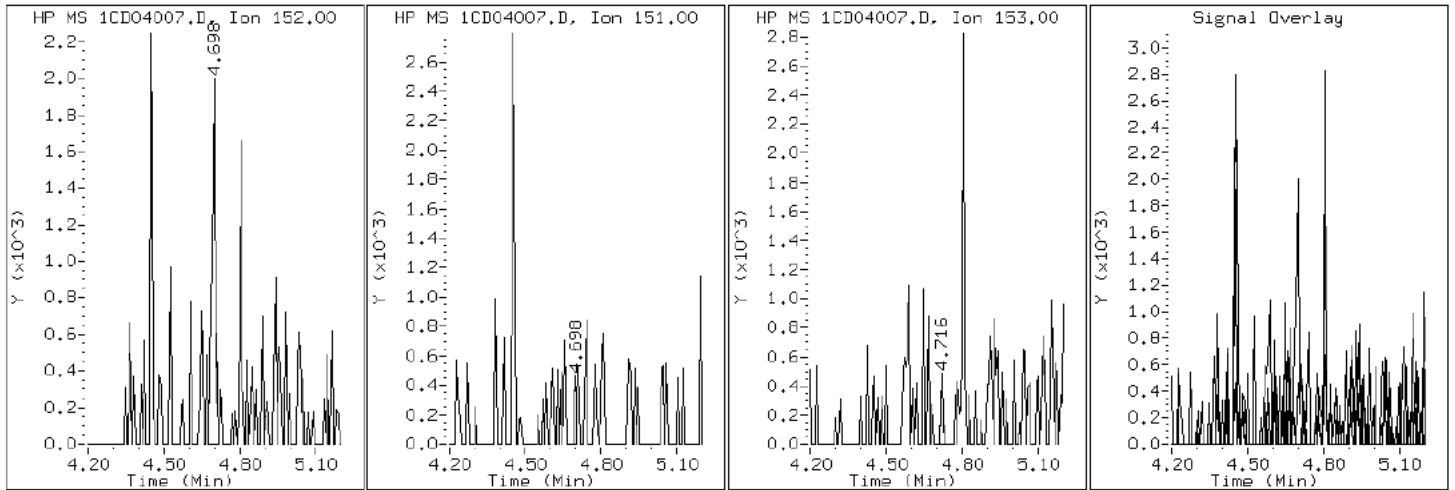
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

5 Acenaphthylene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

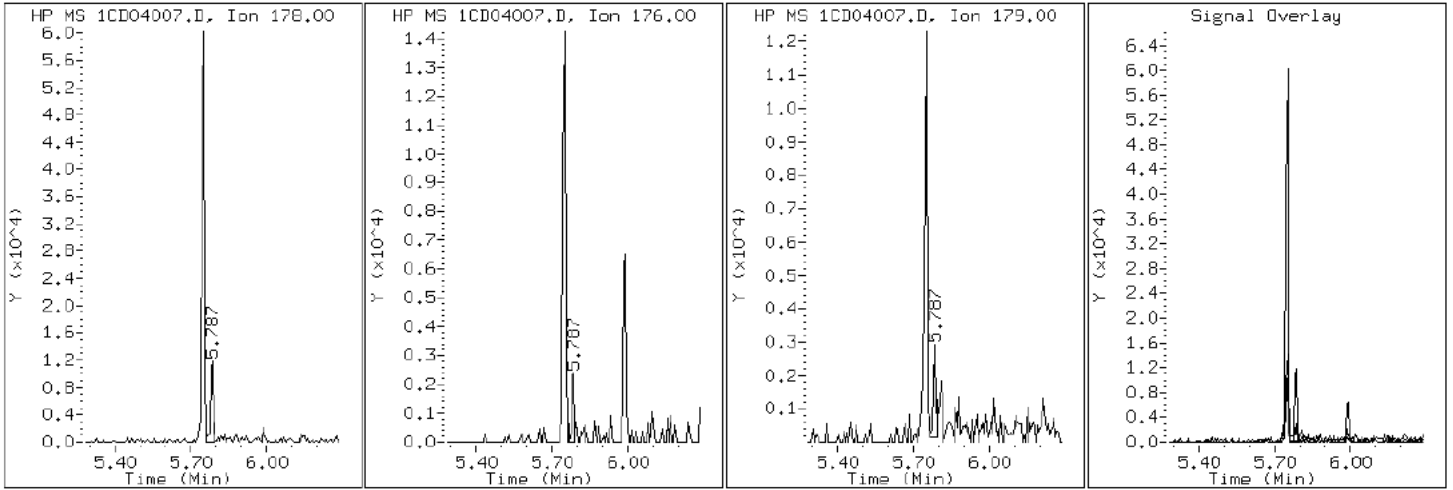
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

12 Anthracene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

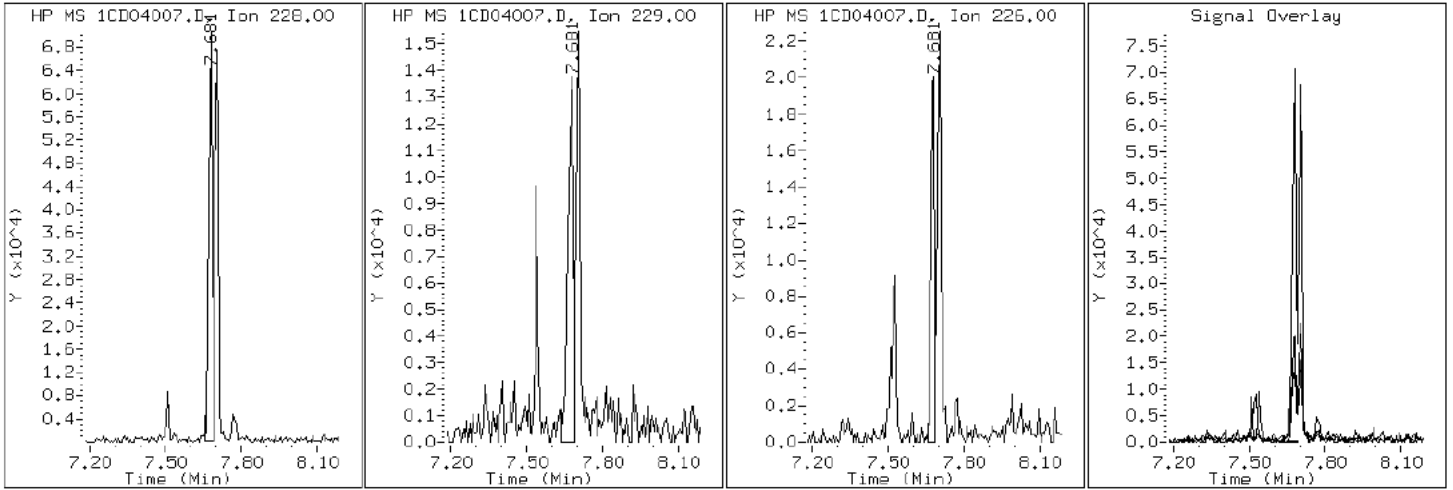
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

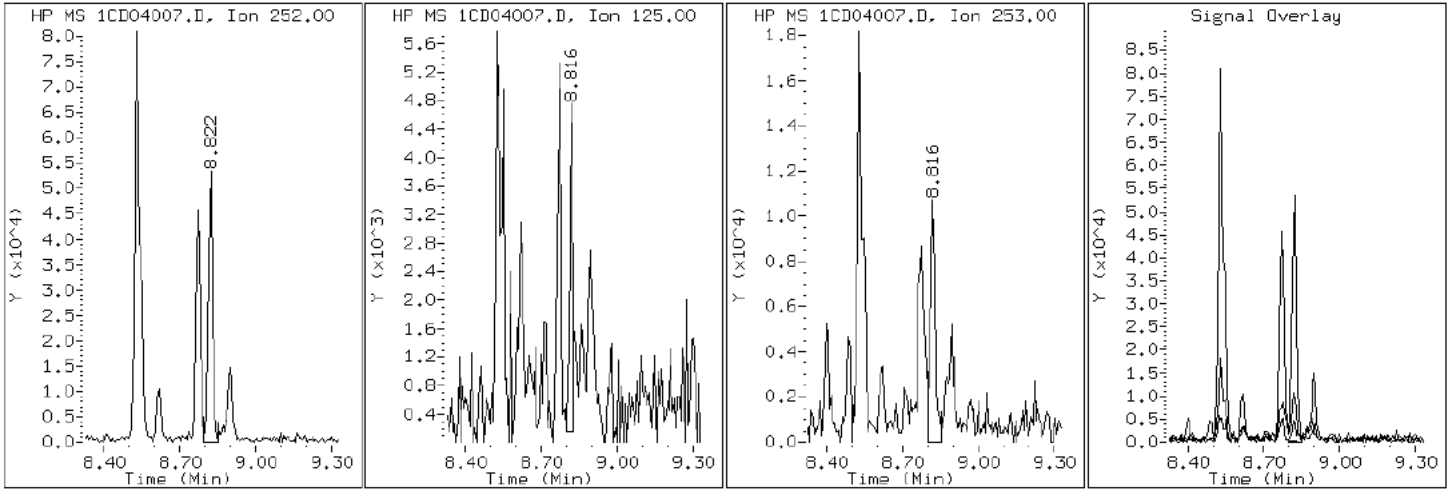
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

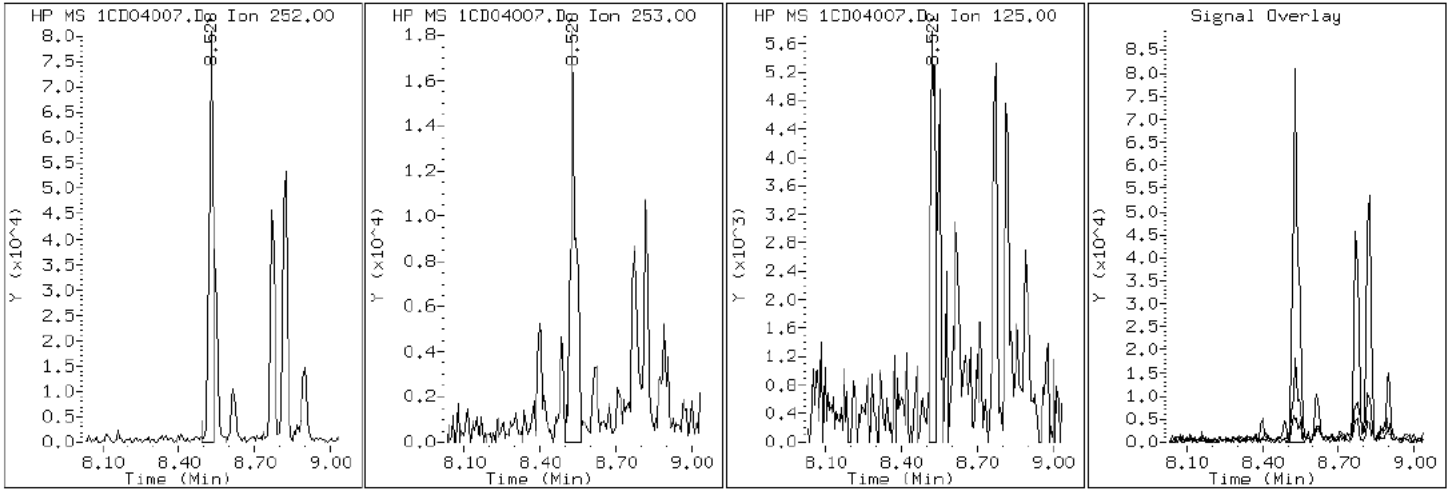
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

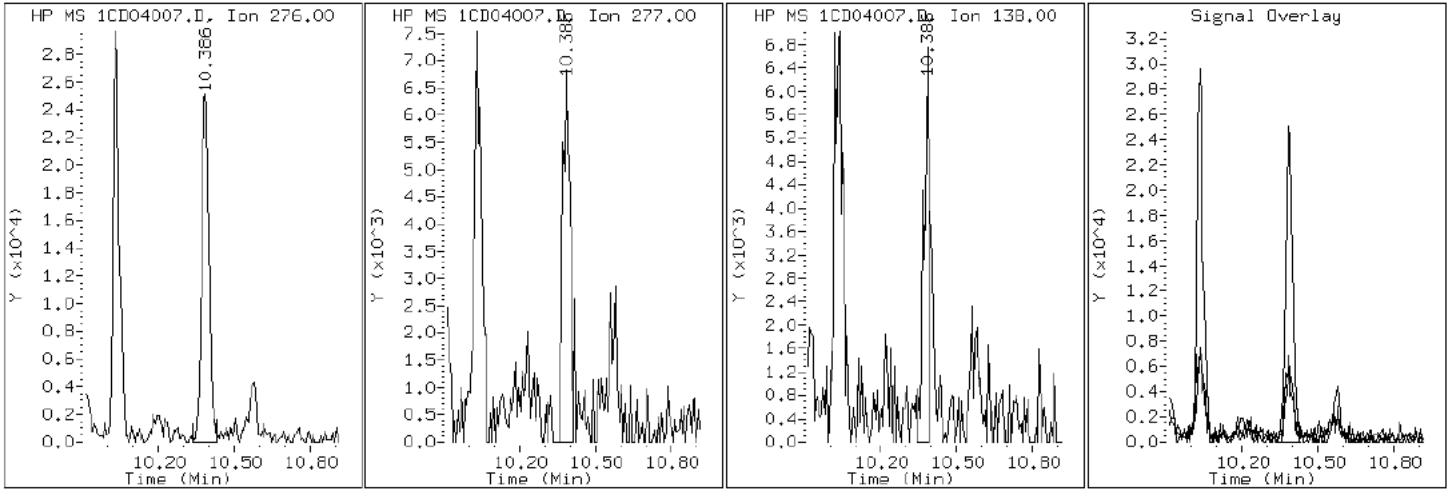
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

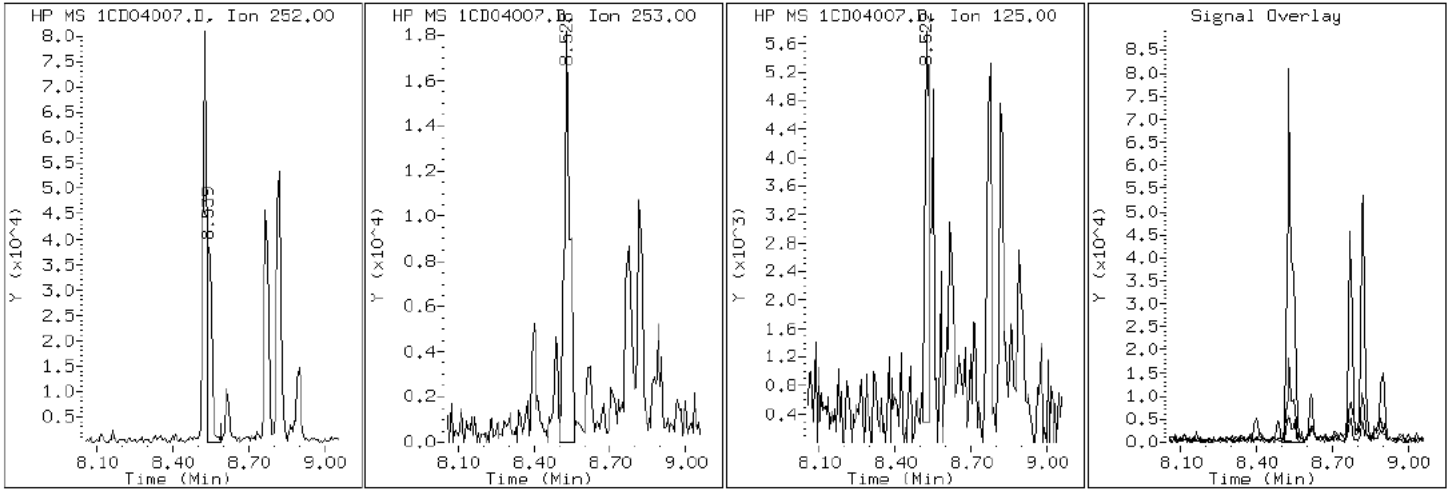
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

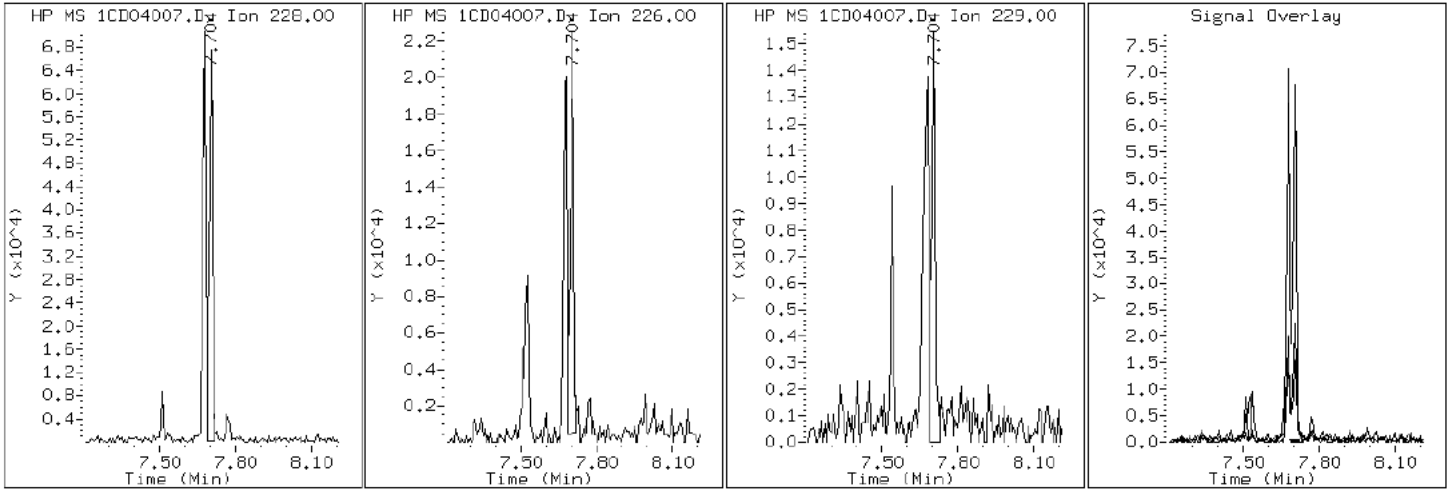
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

19 Chrysene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

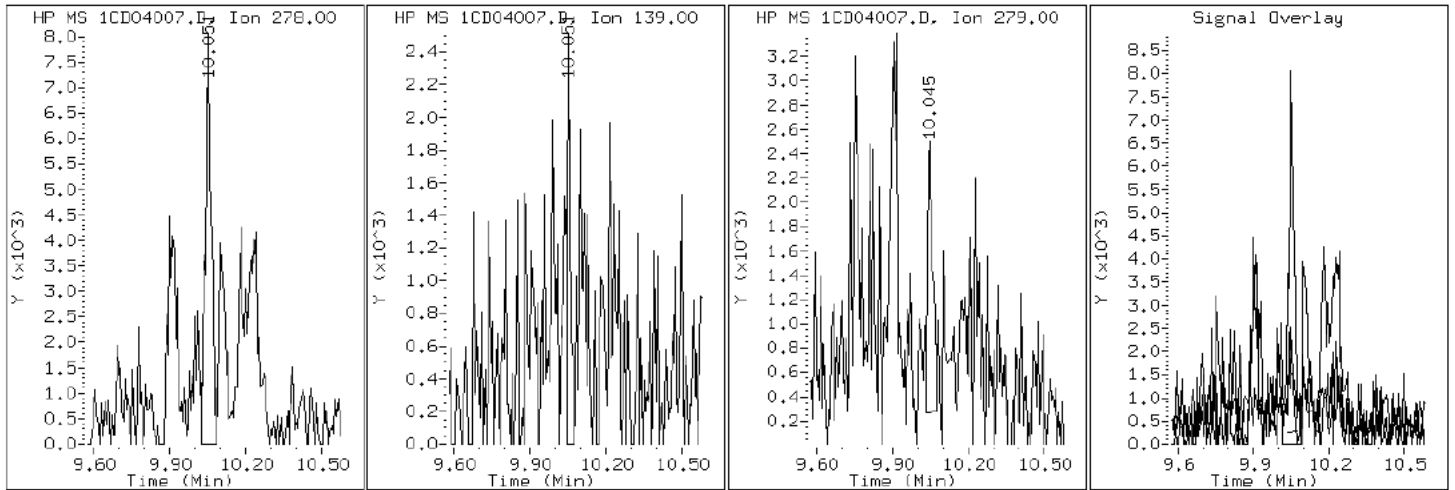
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

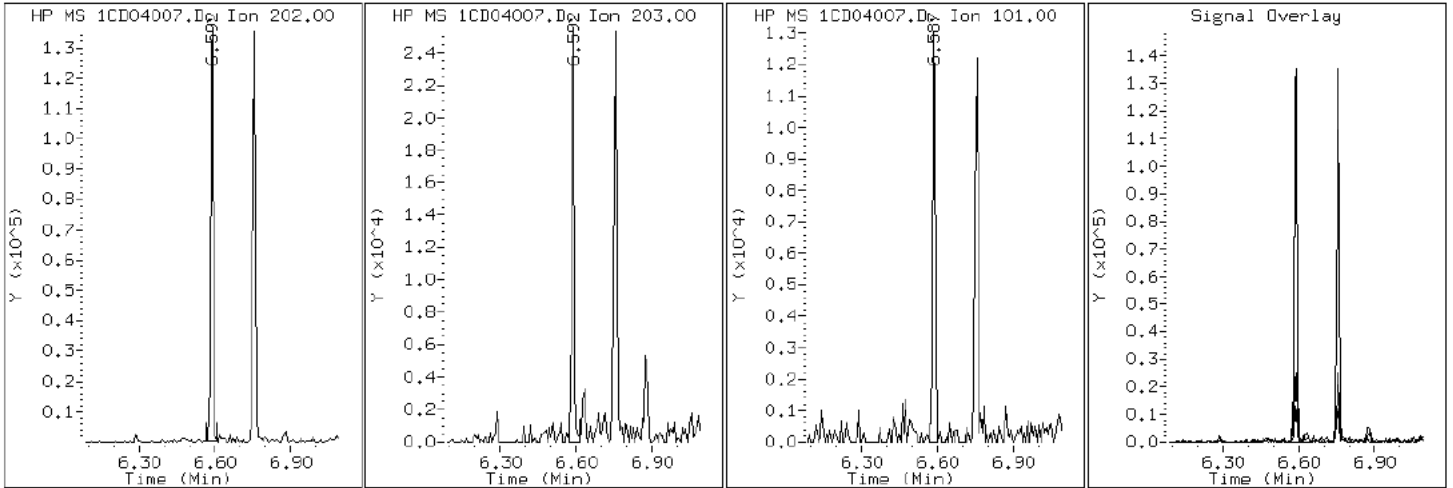
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

15 Fluoranthene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

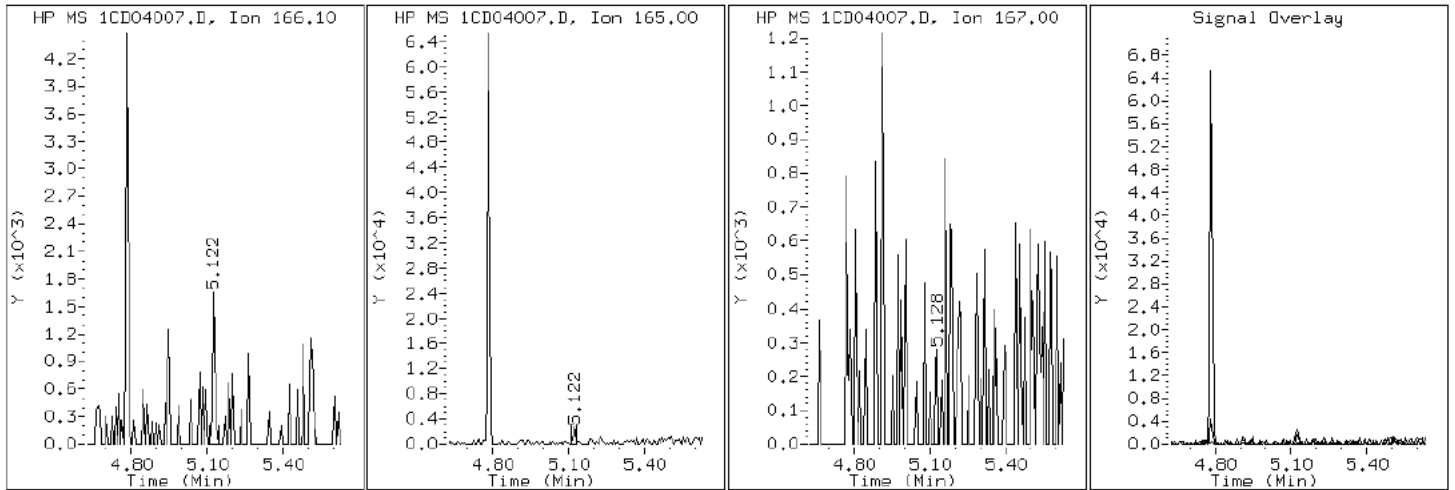
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

9 Fluorene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

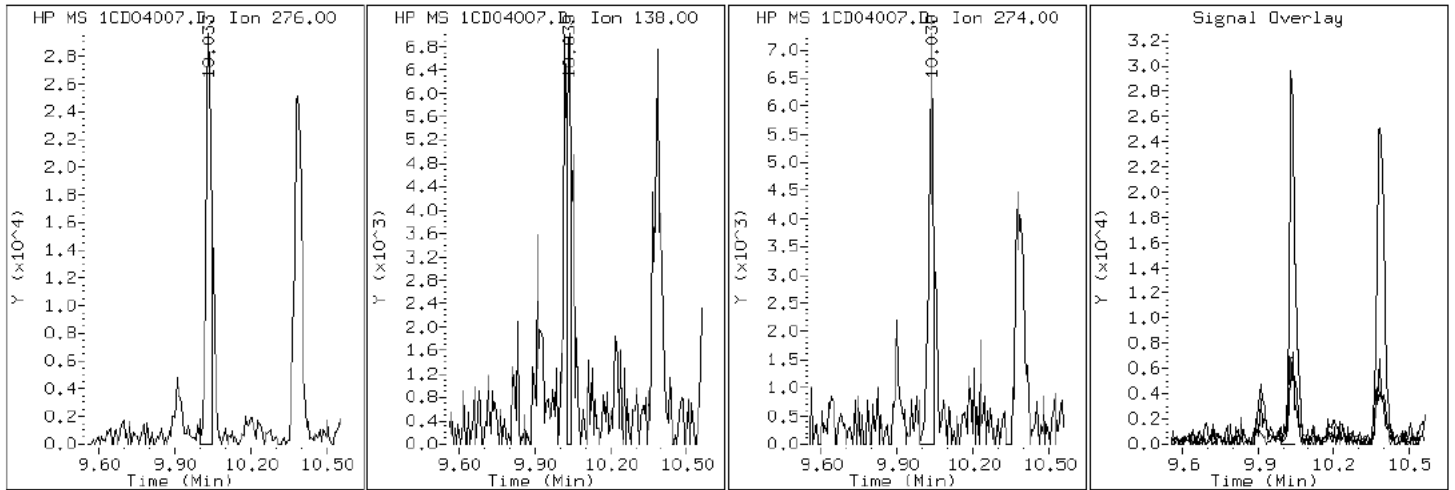
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

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



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

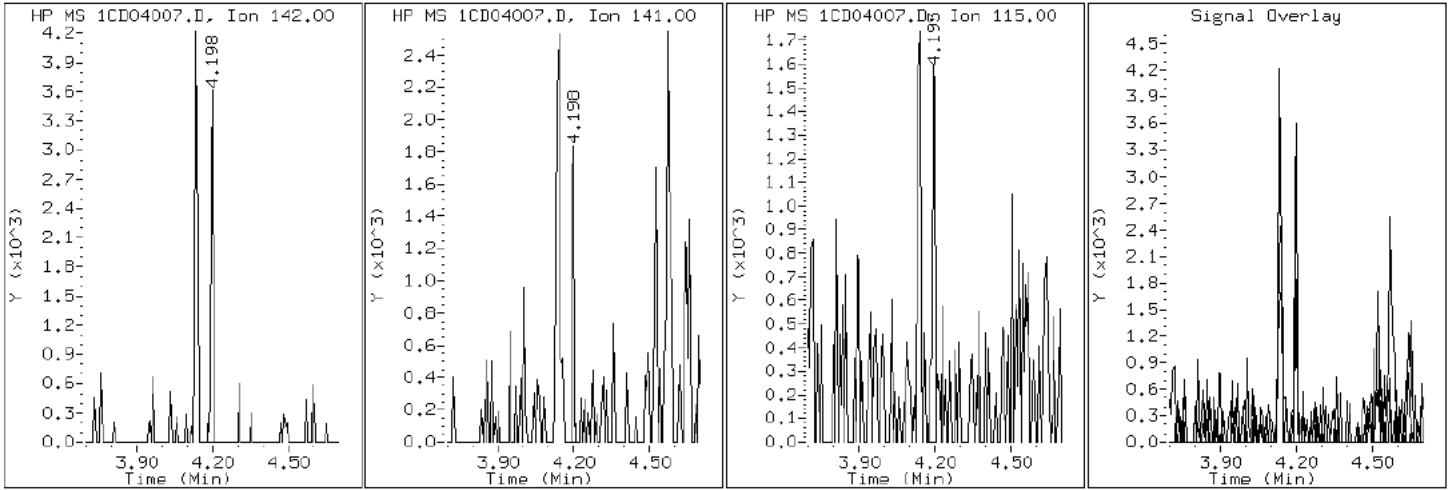
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

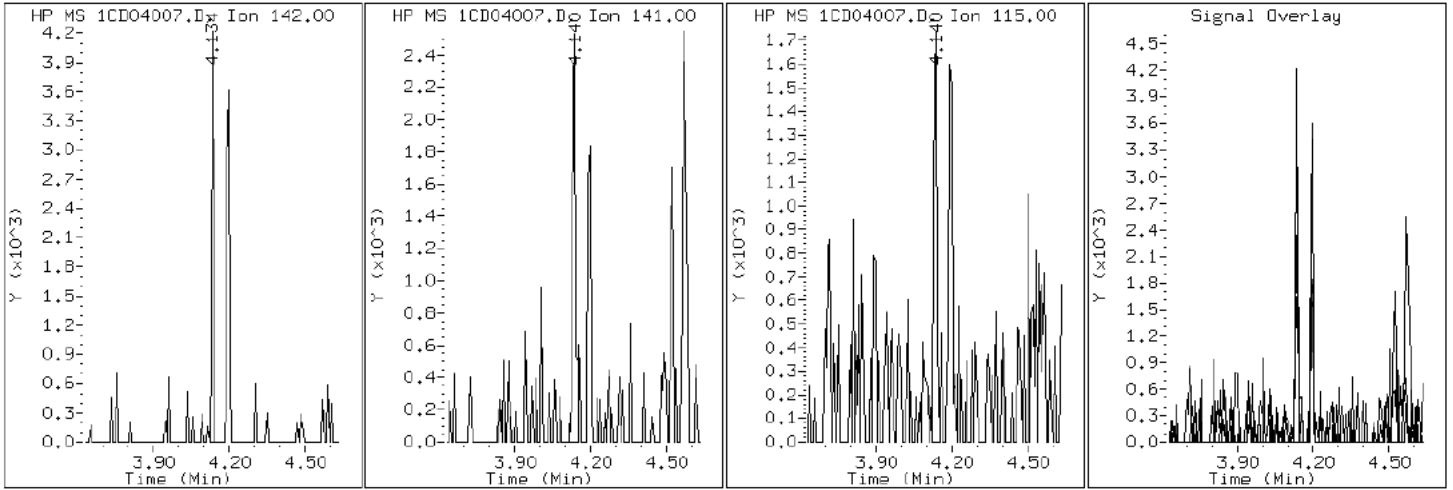
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

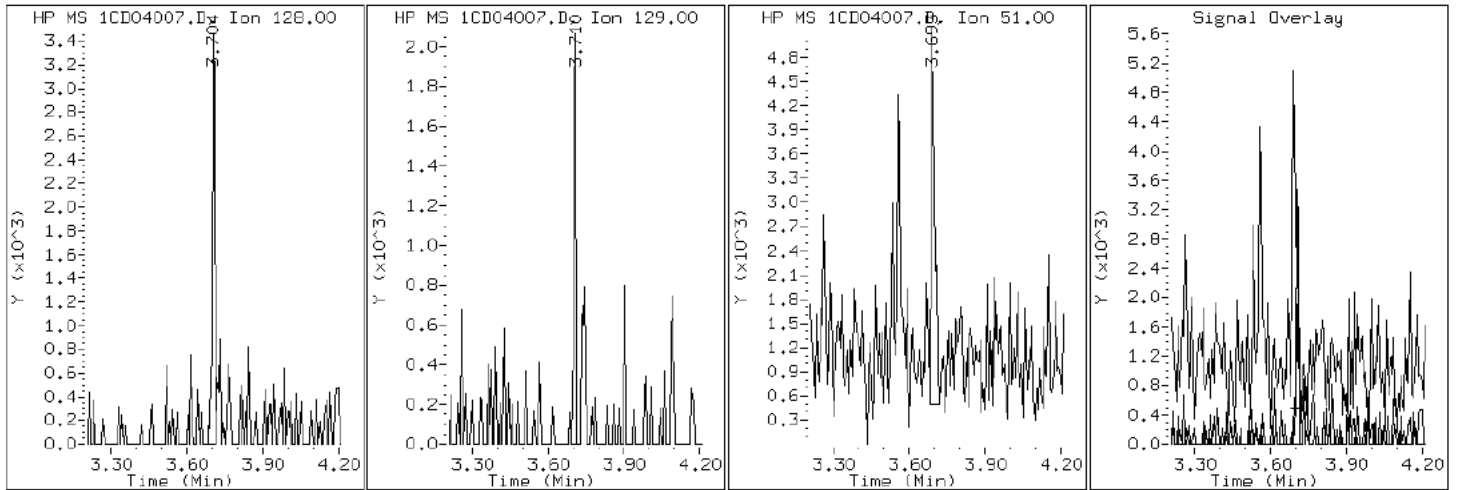
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

2 Naphthalene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

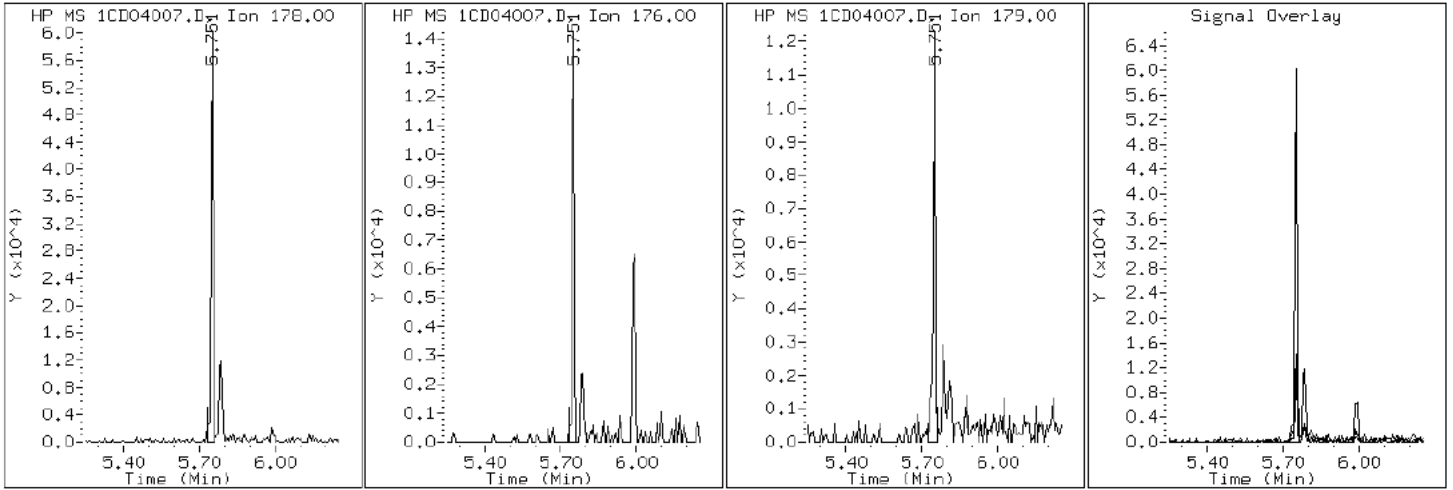
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

11 Phenanthrene



Data File: 1CD04007.D

Date: 04-APR-2013 13:03

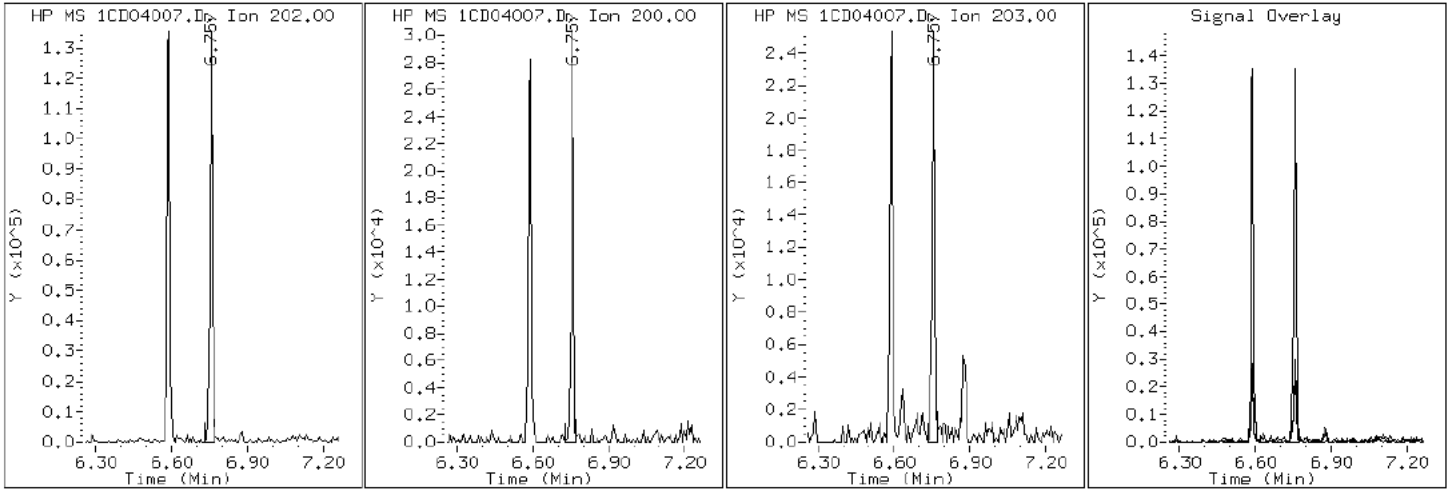
Client ID: CV0509L-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-A

Operator: SCC

16 Pyrene

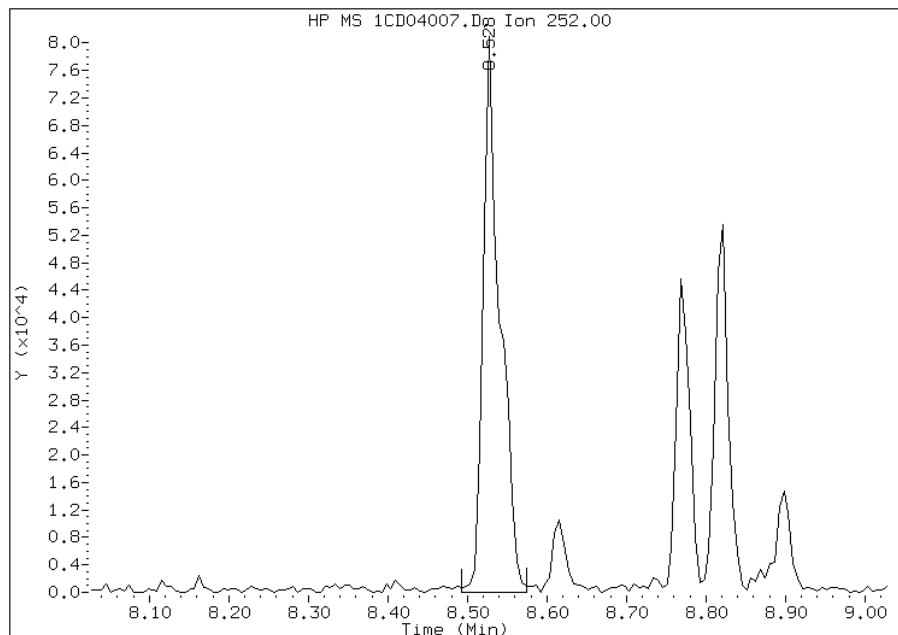


Manual Integration Report

Data File: 1CD04007.D
Inj. Date and Time: 04-APR-2013 13:03
Instrument ID: BSMC5973.i
Client ID: CV0509L-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/04/2013

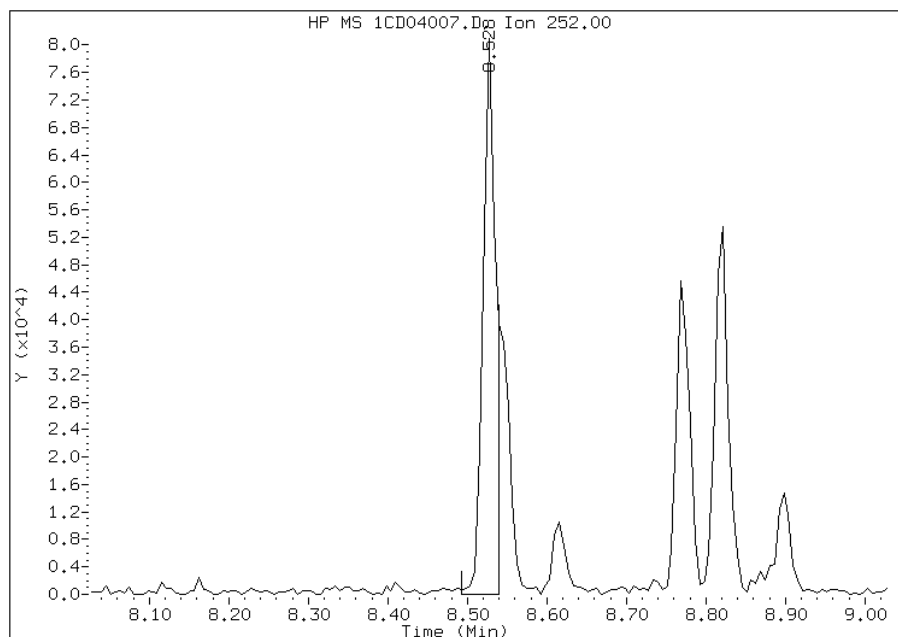
Processing Integration Results

RT: 8.53
Response: 119602
Amount: 5
Conc: 430



Manual Integration Results

RT: 8.53
Response: 89842
Amount: 4
Conc: 323



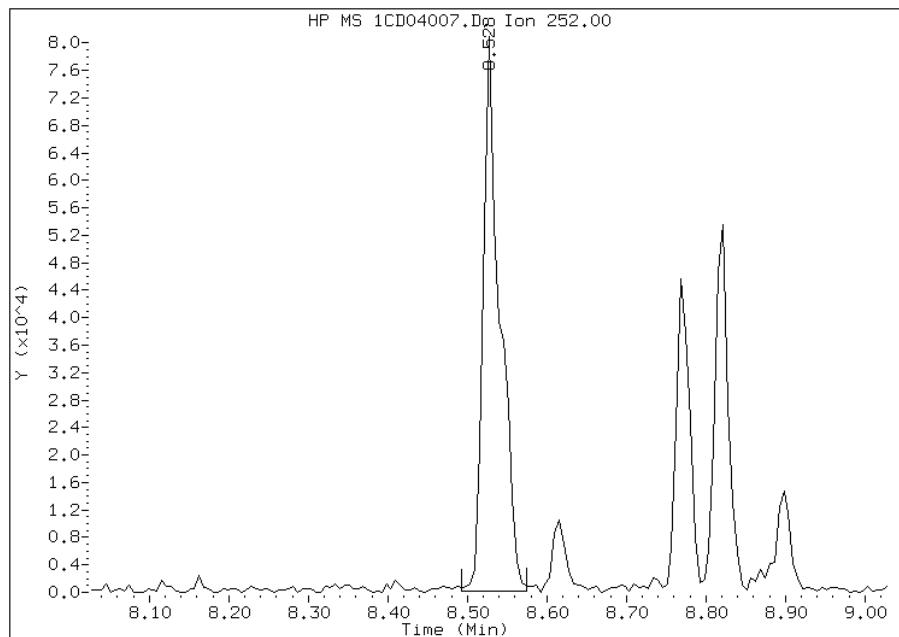
Manually Integrated By: cantins
Modification Date: 04-Apr-2013 14:04
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD04007.D
Inj. Date and Time: 04-APR-2013 13:03
Instrument ID: BSMC5973.i
Client ID: CV0509L-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/04/2013

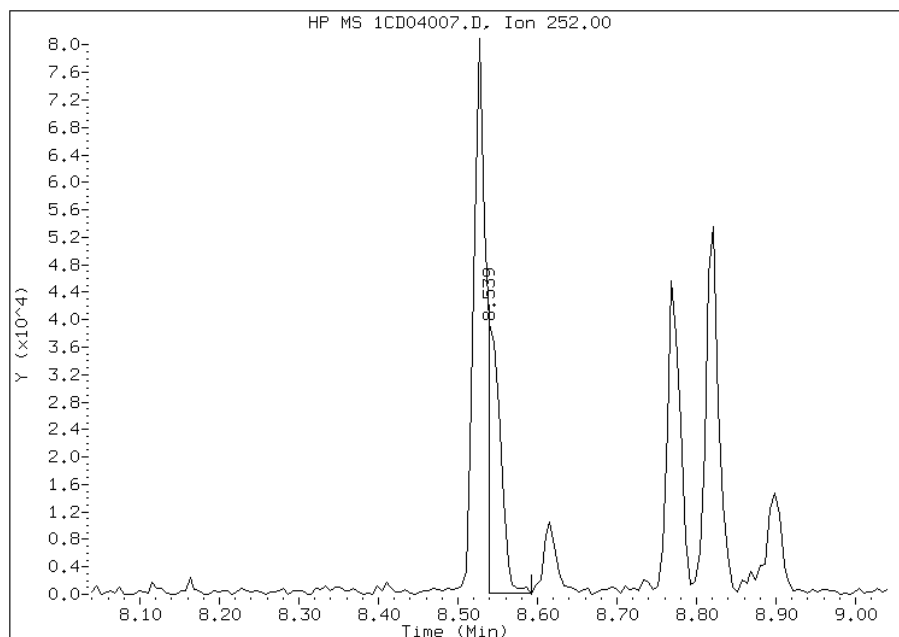
Processing Integration Results

RT: 8.53
Response: 118599
Amount: 5
Conc: 440



Manual Integration Results

RT: 8.54
Response: 44043
Amount: 2
Conc: 164



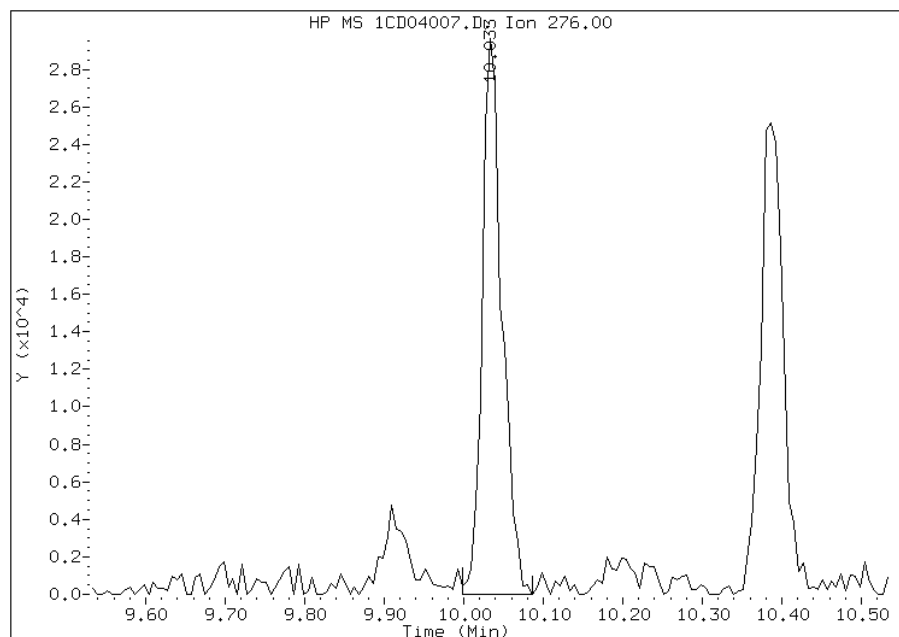
Manually Integrated By: cantins
Modification Date: 04-Apr-2013 14:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04007.D
Inj. Date and Time: 04-APR-2013 13:03
Instrument ID: BSMC5973.i
Client ID: CV0509L-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/04/2013

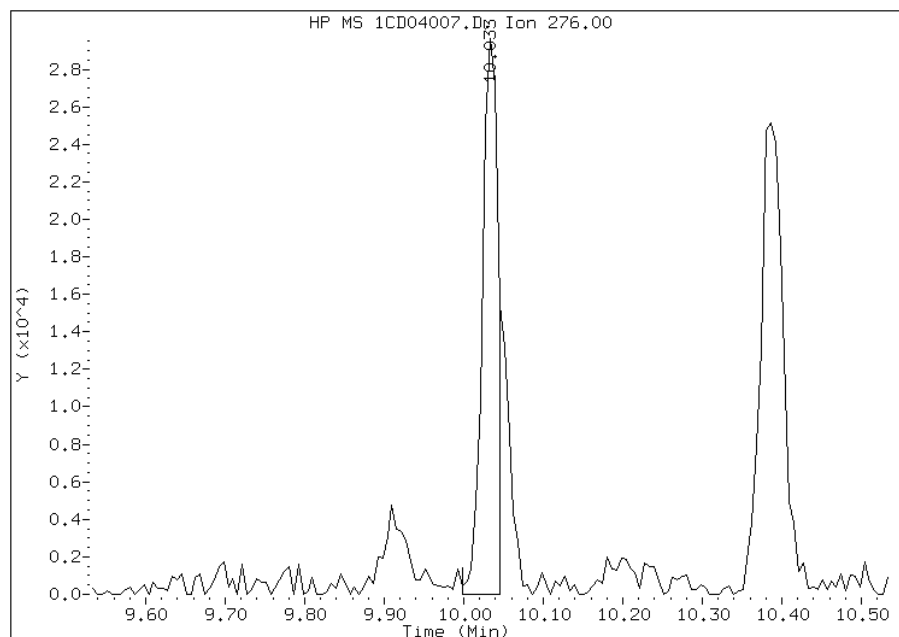
Processing Integration Results

RT: 10.03
Response: 51108
Amount: 2
Conc: 205



Manual Integration Results

RT: 10.03
Response: 40572
Amount: 2
Conc: 163



Manually Integrated By: cantins
Modification Date: 04-Apr-2013 14:04
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509M-CS Lab Sample ID: 680-88767-22
 Matrix: Solid Lab File ID: 1CD04034.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 10:34
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 14.95(g) Date Analyzed: 04/04/2013 21:19
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	490	U	490	98
208-96-8	Acenaphthylene	30	J	200	24
120-12-7	Anthracene	100		41	21
56-55-3	Benzo[a]anthracene	460		39	19
50-32-8	Benzo[a]pyrene	340		51	25
205-99-2	Benzo[b]fluoranthene	600		60	30
191-24-2	Benzo[g,h,i]perylene	280		98	22
207-08-9	Benzo[k]fluoranthene	280		39	18
218-01-9	Chrysene	440		44	22
53-70-3	Dibenz(a,h)anthracene	82	J	98	20
206-44-0	Fluoranthene	670		98	20
86-73-7	Fluorene	28	J	98	20
193-39-5	Indeno[1,2,3-cd]pyrene	310		98	35
90-12-0	1-Methylnaphthalene	100	J	200	22
91-57-6	2-Methylnaphthalene	100	J	200	35
91-20-3	Naphthalene	110	J	200	22
85-01-8	Phenanthrene	390		39	19
129-00-0	Pyrene	590		98	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	115		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04034.D
 Lab Smp Id: 680-88767-A-22-A Client Smp ID: CV0509M-CS
 Inj Date : 04-APR-2013 21:19
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-22-a
 Misc Info : 680-88767-A-22-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 34
 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	14.950	Weight Extracted
M	17.872	% 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		3.698	3.692	(1.000)	523413	40.0000		
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	393717	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	780477	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	27533	2.88665	940.4239	
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	850210	40.0000		
* 23 Perylene-d12	264		8.862	8.886	(1.000)	809489	40.0000	(H)	
2 Naphthalene	128		3.710	3.710	(1.003)	4463	0.33198	108.1523	
3 2-Methylnaphthalene	142		4.133	4.133	(1.118)	2867	0.31329	102.0635	
4 1-Methylnaphthalene	142		4.192	4.198	(1.134)	2633	0.31975	104.1706	
5 Acenaphthylene	152		4.692	4.698	(0.980)	1515	0.09297	30.2892(Q)	
9 Fluorene	166		5.121	5.127	(1.070)	1163	0.08644	28.1607(Q)	
11 Phenanthrene	178		5.751	5.751	(1.003)	26950	1.18560	386.2489	
12 Anthracene	178		5.786	5.786	(1.009)	7315	0.31745	103.4214	
13 Carbazole	167		5.898	5.898	(1.029)	3602	0.18246	59.4413	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	6.586	6.592	(1.149)	51954	2.06958	674.2350
16 Pyrene	202	6.757	6.763	(0.880)	42538	1.80617	588.4212
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	31579	1.41752	461.8034
19 Chrysene	228	7.704	7.710	(1.003)	32956	1.36029	443.1587
20 Benzo(b)fluoranthene	252	8.515	8.533	(0.961)	41946	1.83291	597.1317(M)
21 Benzo(k)fluoranthene	252	8.527	8.557	(0.962)	19135	0.86451	281.6441(MH)
22 Benzo(a)pyrene	252	8.804	8.827	(0.993)	22740	1.05543	343.8431(H)
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.056	(1.129)	19310	0.94360	307.4081(MH)
25 Dibenzo(a,h)anthracene	278	10.033	10.074	(1.132)	4755	0.25153	81.9450(H)
26 Benzo(g,h,i)perylene	276	10.356	10.415	(1.169)	17910	0.85750	279.3604(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: 1CD04034.D

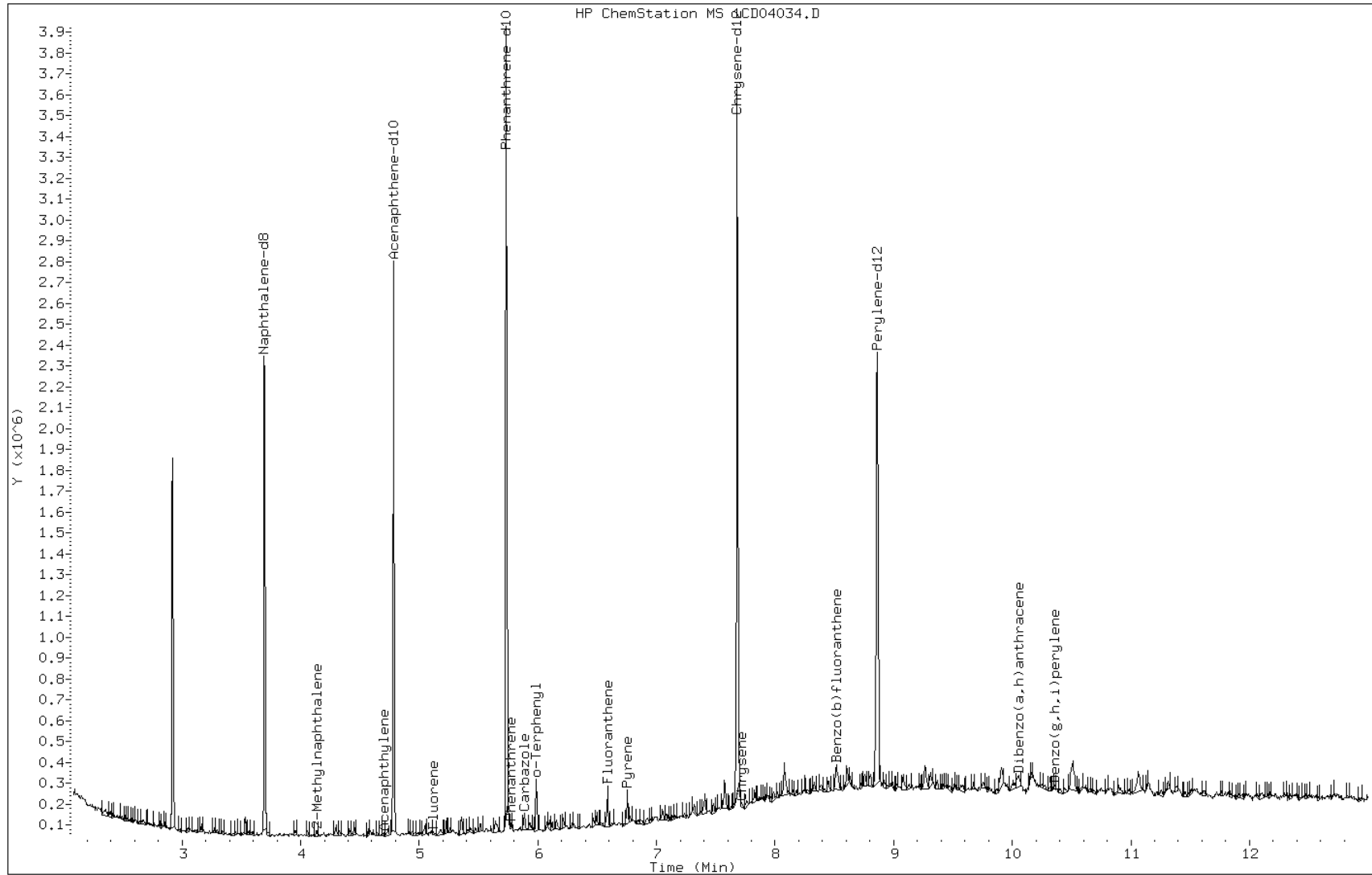
Date: 04-APR-2013 21:19

Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

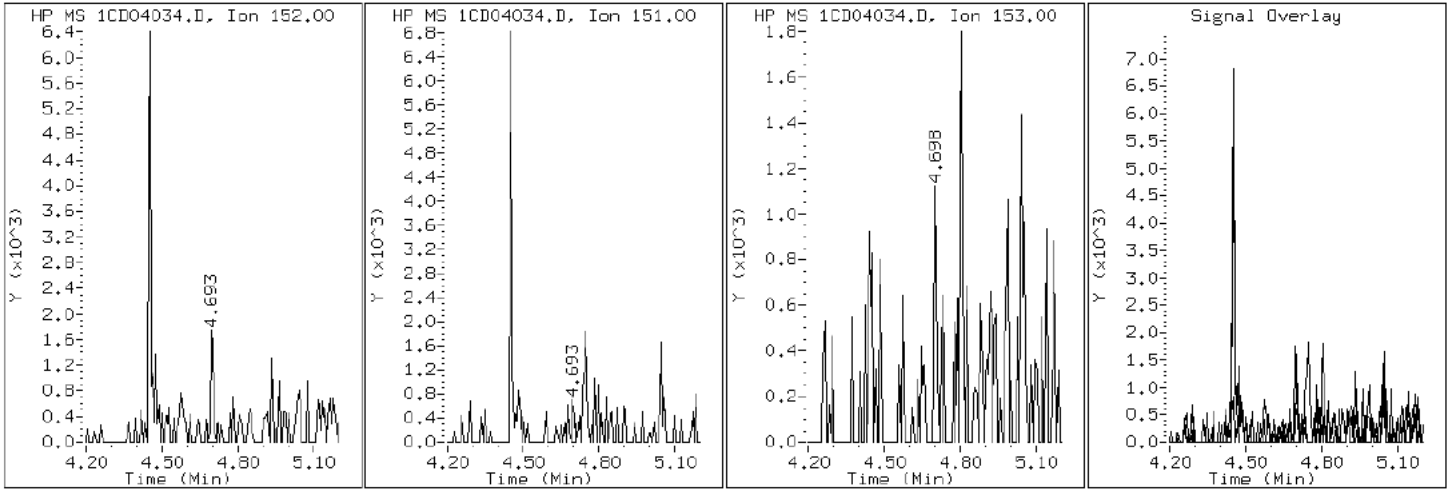
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

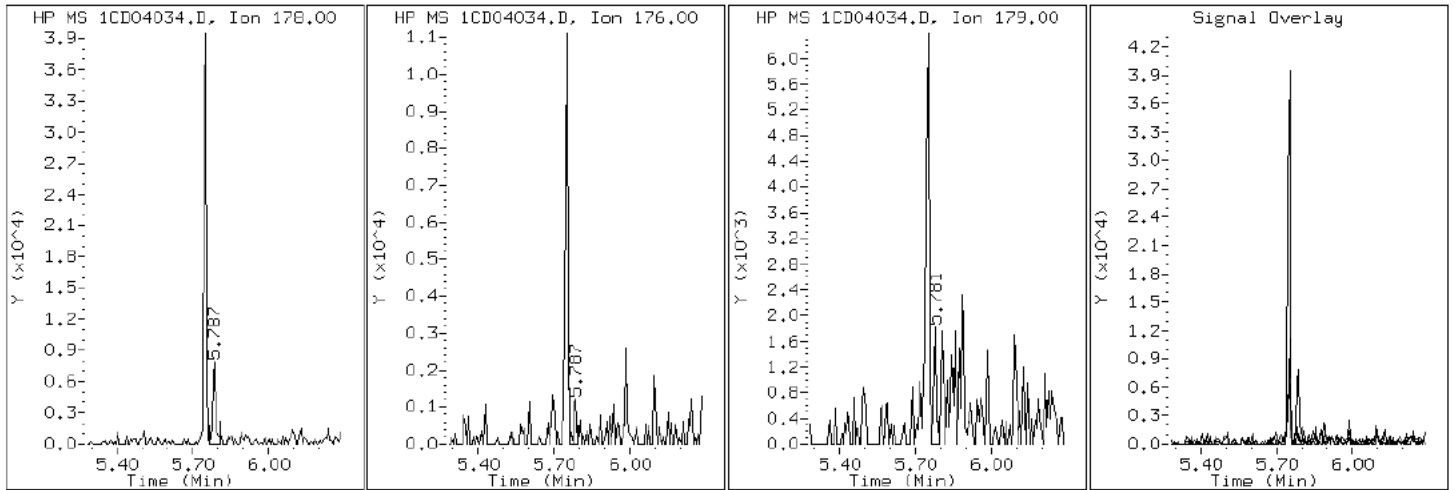
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

12 Anthracene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

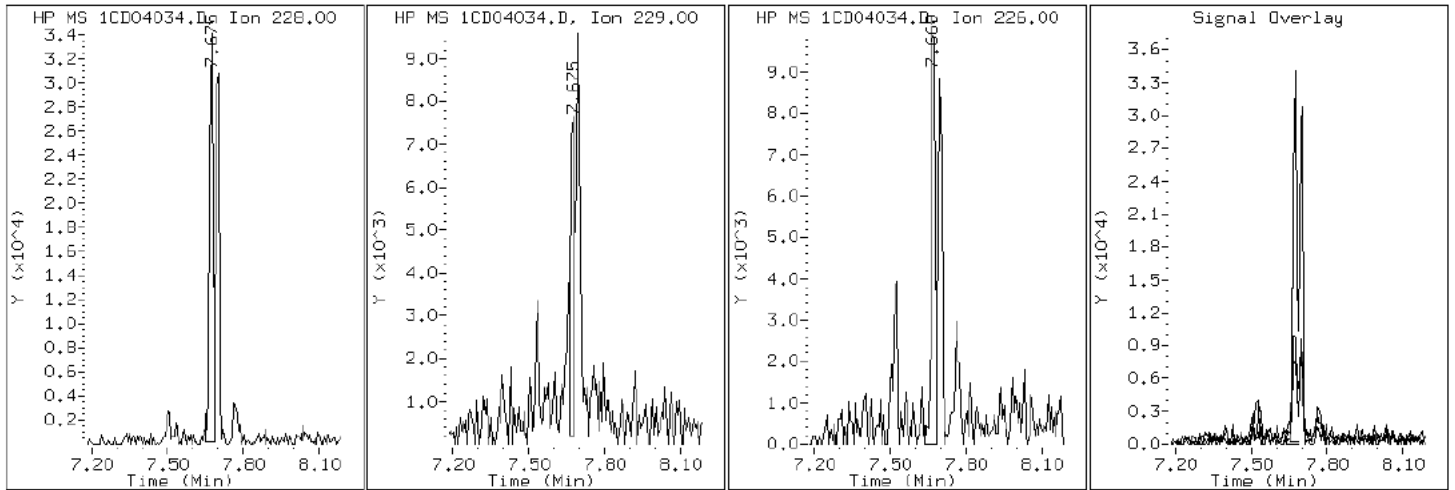
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

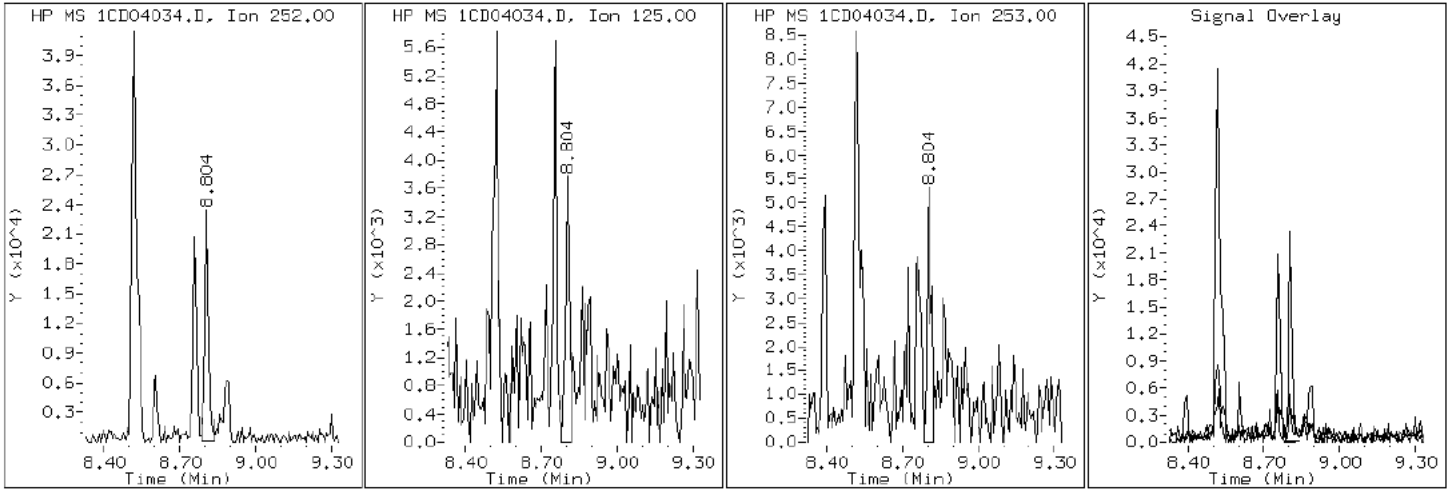
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

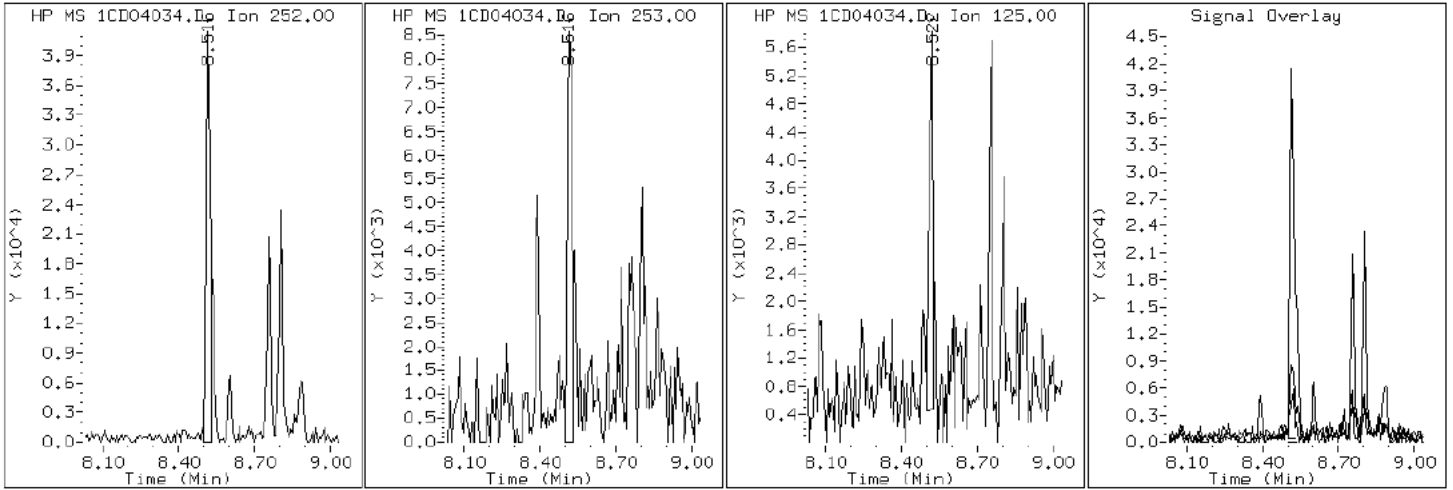
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

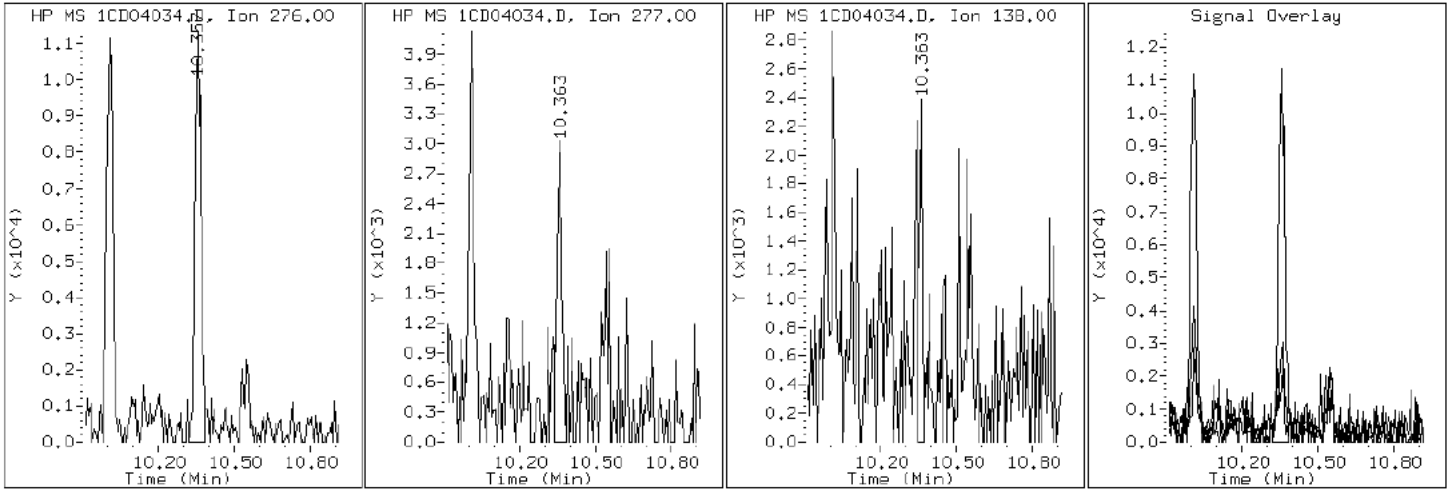
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

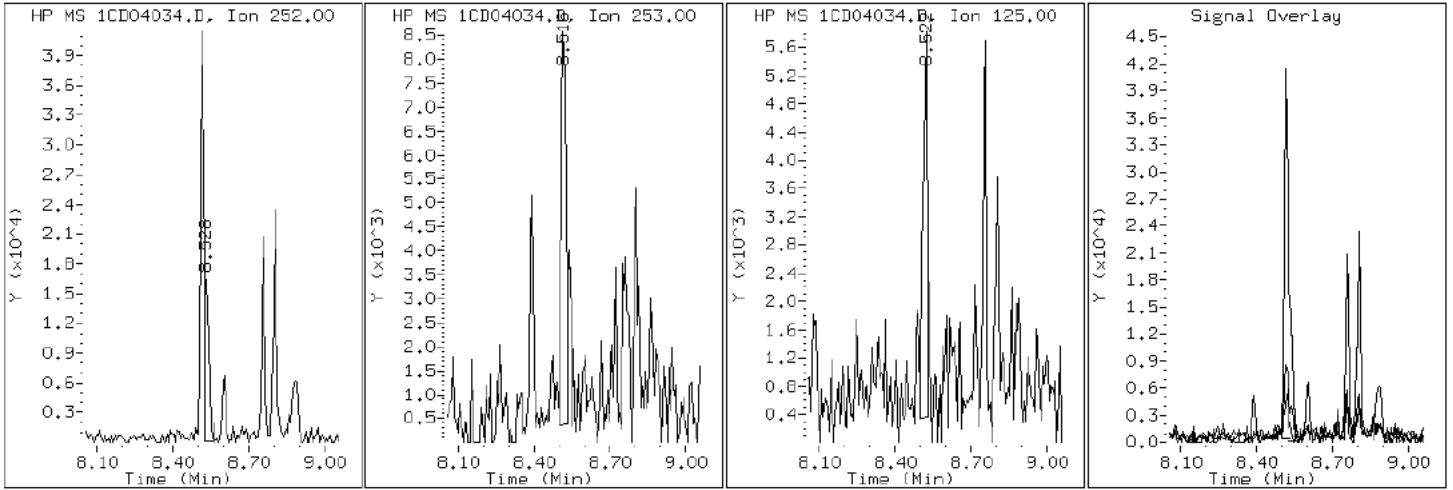
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

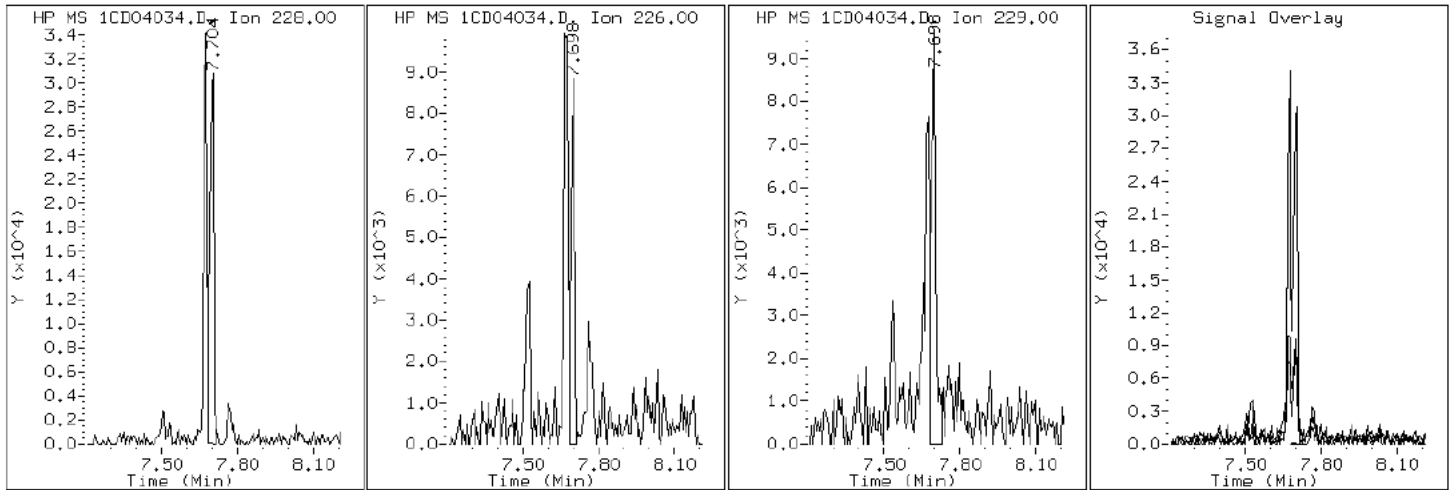
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

19 Chrysene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

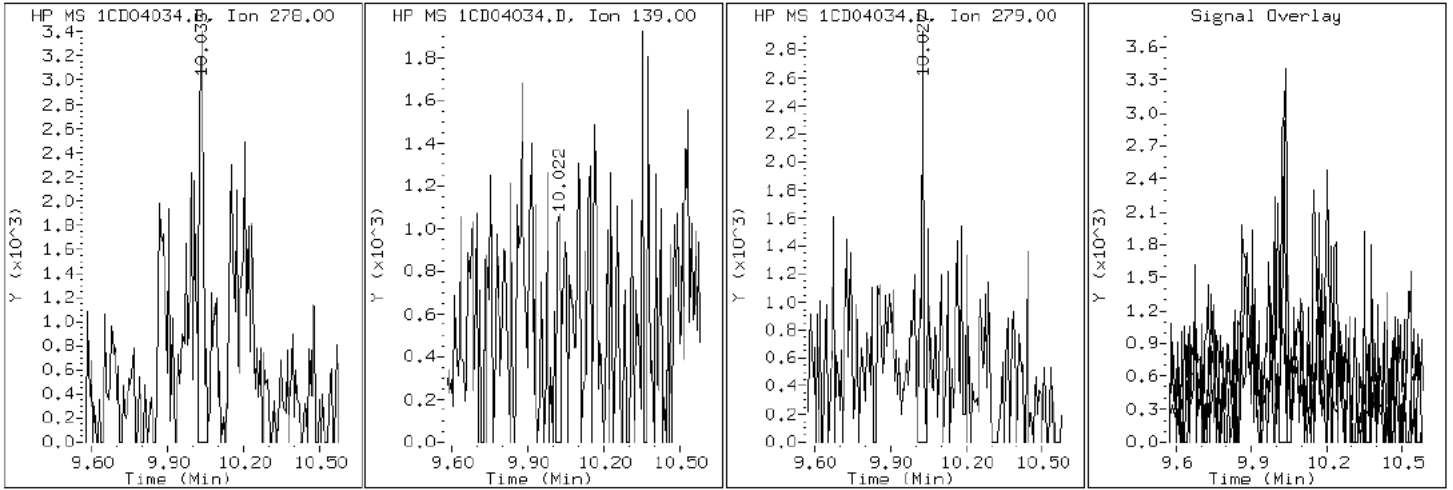
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

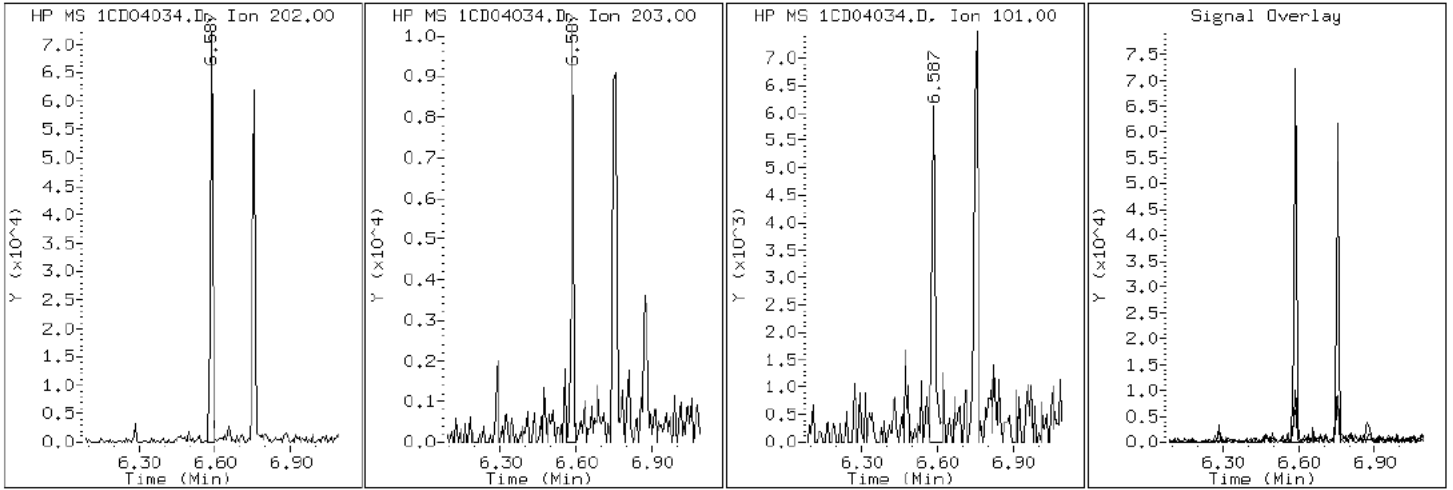
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

15 Fluoranthene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

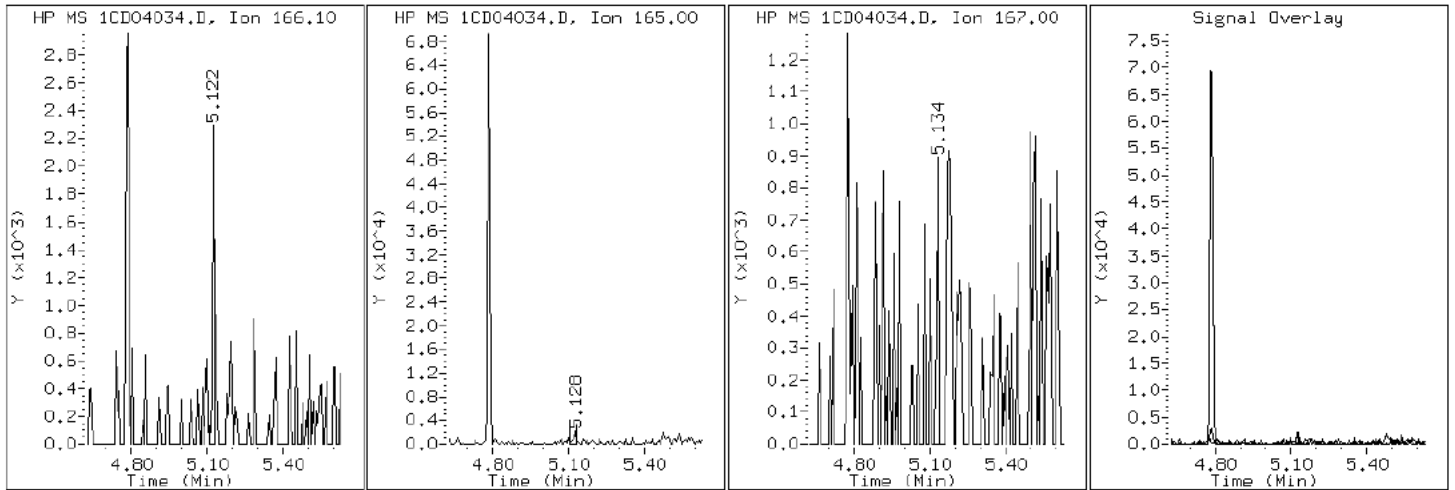
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

9 Fluorene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

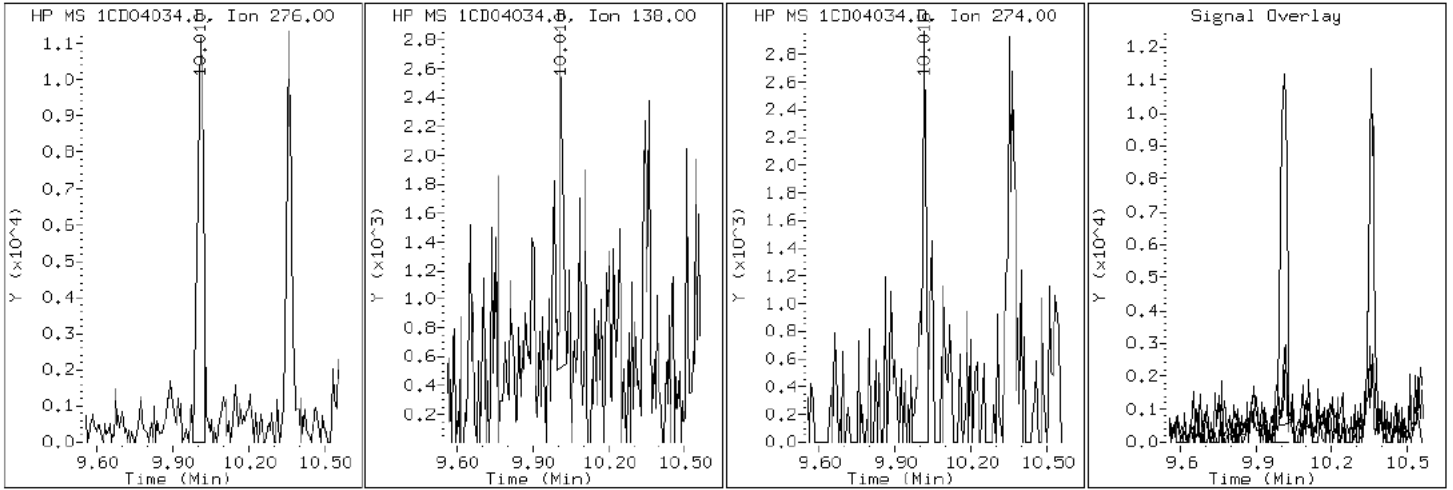
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

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



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

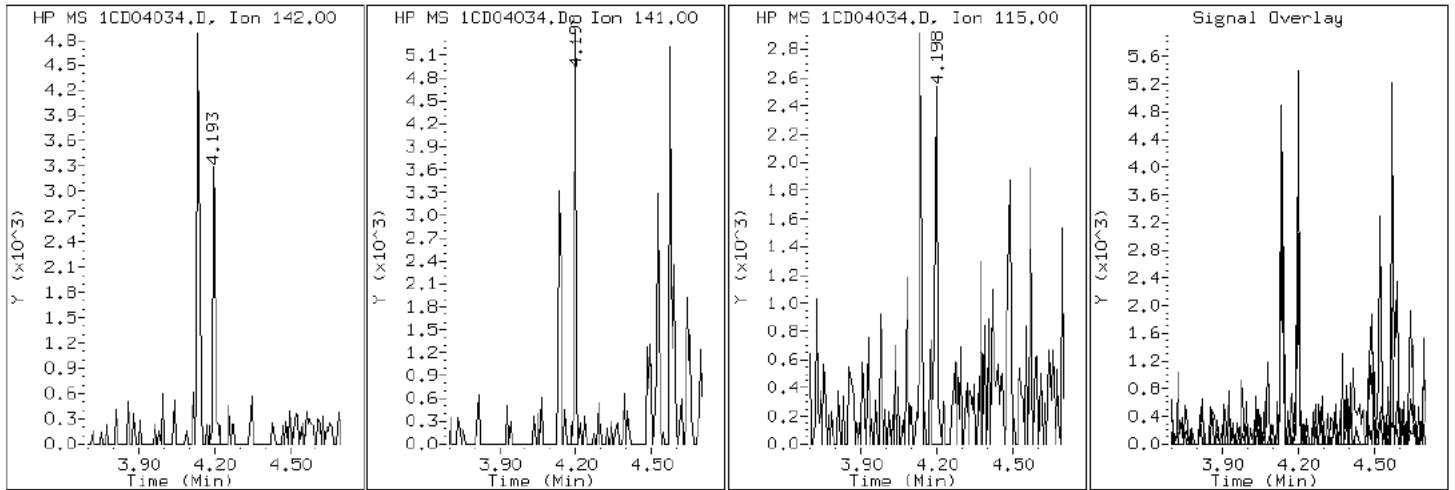
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

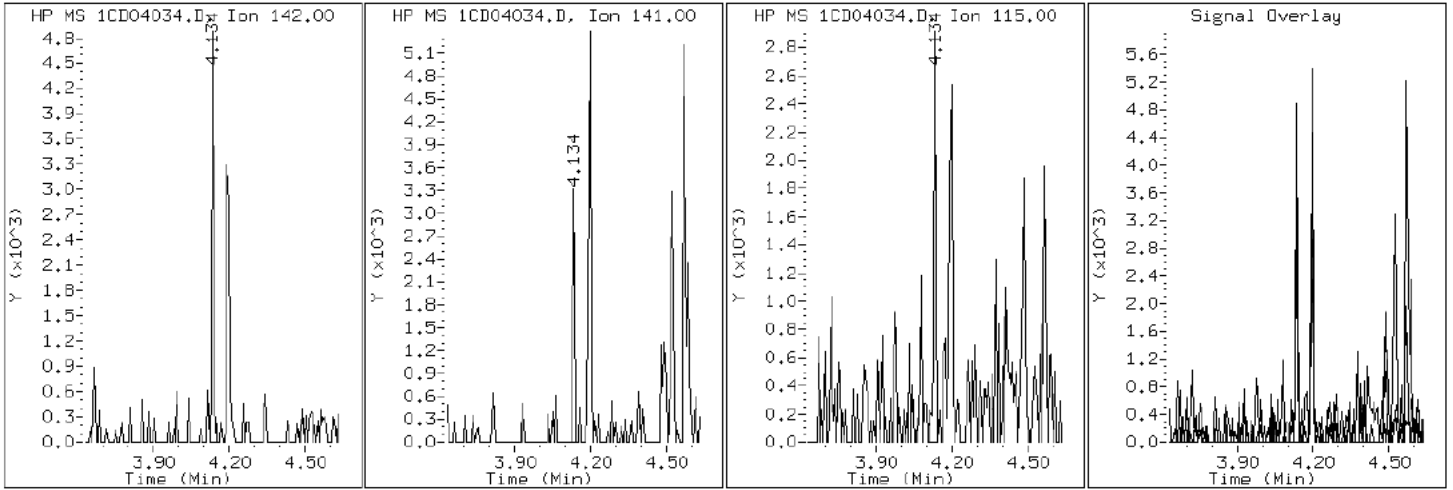
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

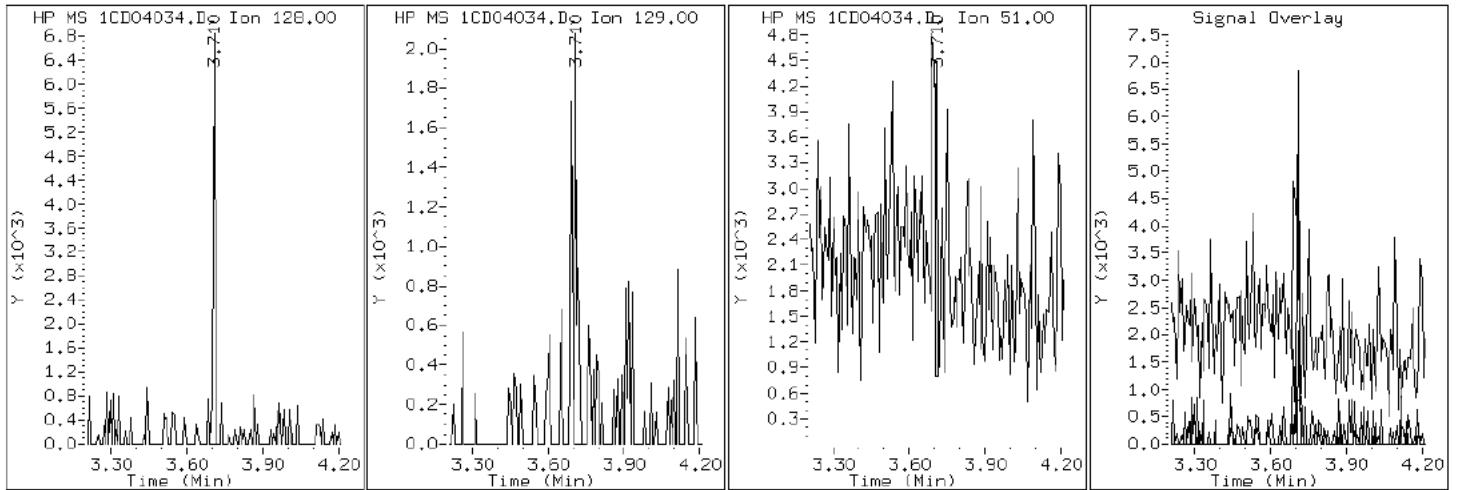
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

2 Naphthalene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

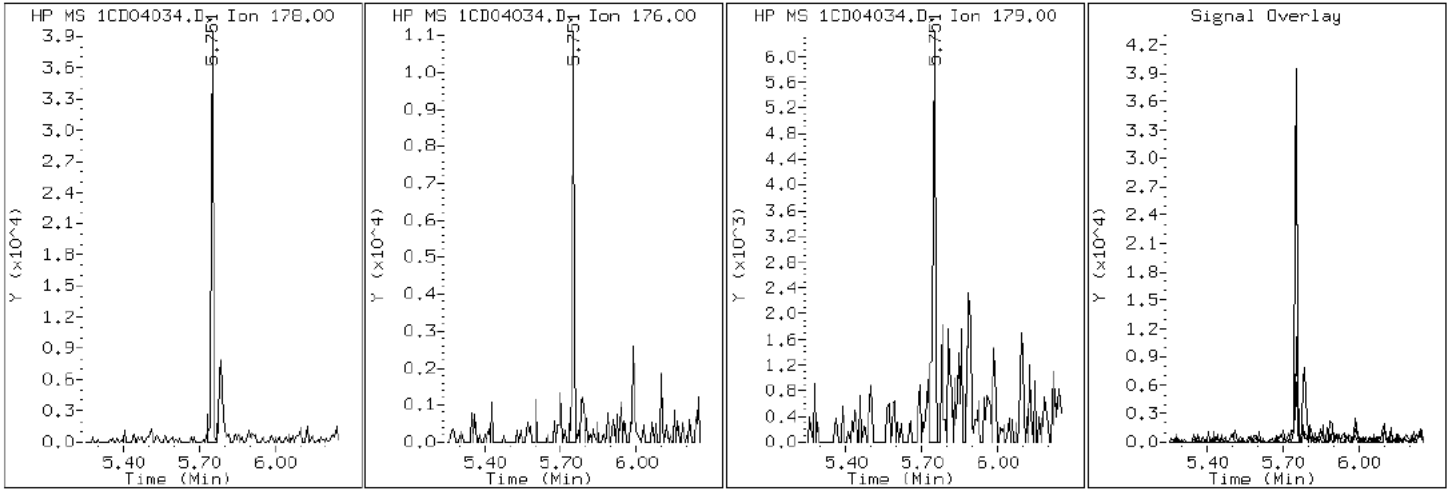
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

11 Phenanthrene



Data File: 1CD04034.D

Date: 04-APR-2013 21:19

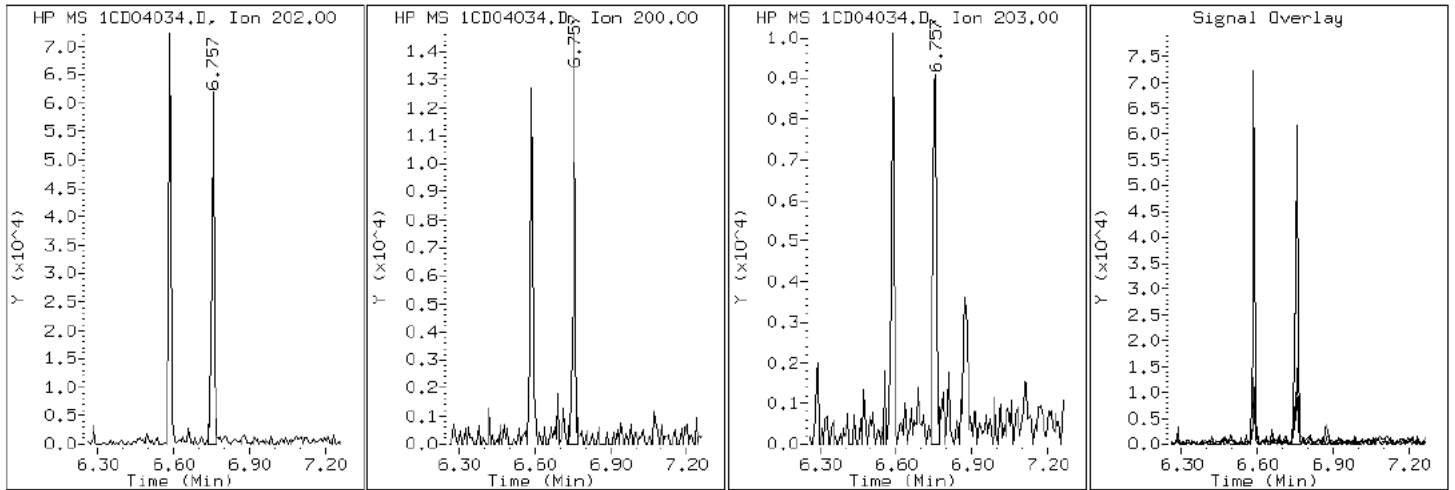
Client ID: CV0509M-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-22-a

Operator: SCC

16 Pyrene

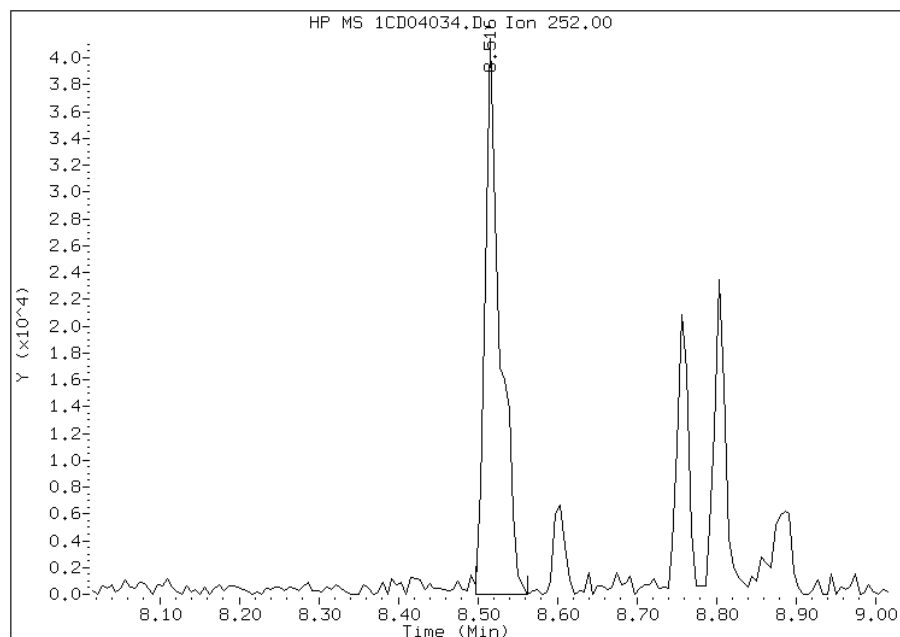


Manual Integration Report

Data File: 1CD04034.D
Inj. Date and Time: 04-APR-2013 21:19
Instrument ID: BSMC5973.i
Client ID: CV0509M-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/05/2013

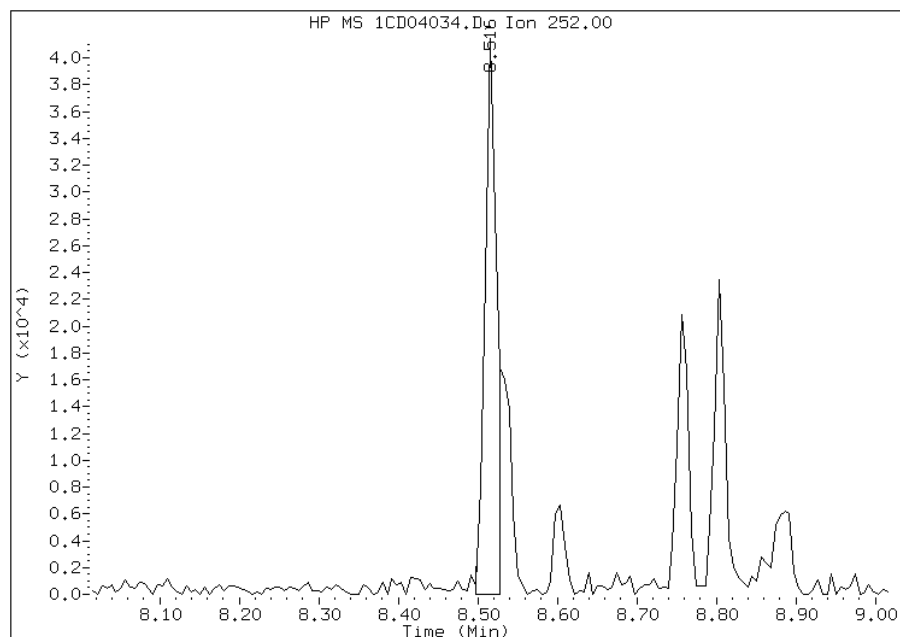
Processing Integration Results

RT: 8.52
Response: 55311
Amount: 2
Conc: 787



Manual Integration Results

RT: 8.52
Response: 41946
Amount: 2
Conc: 597



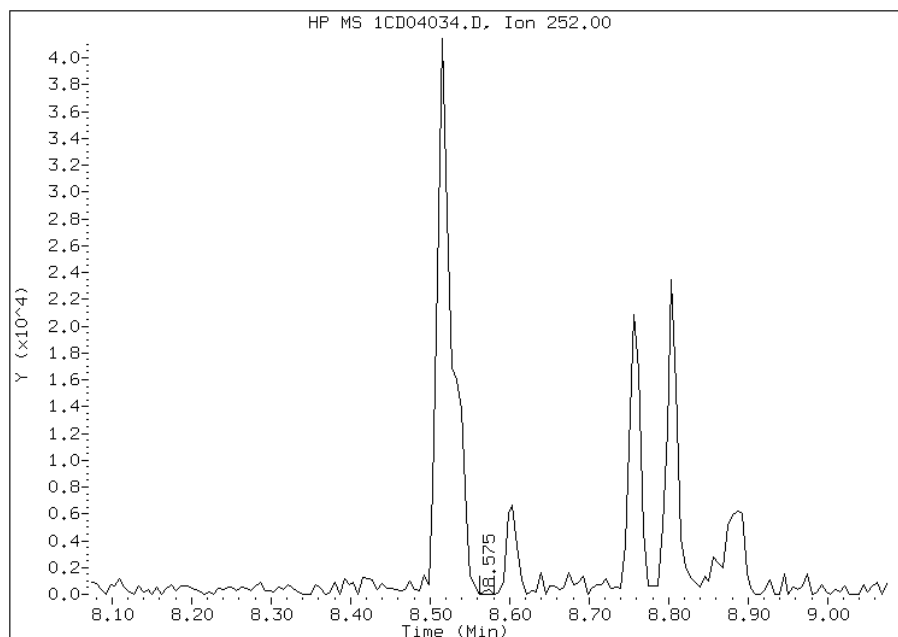
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:04
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD04034.D
Inj. Date and Time: 04-APR-2013 21:19
Instrument ID: BSMC5973.i
Client ID: CV0509M-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/05/2013

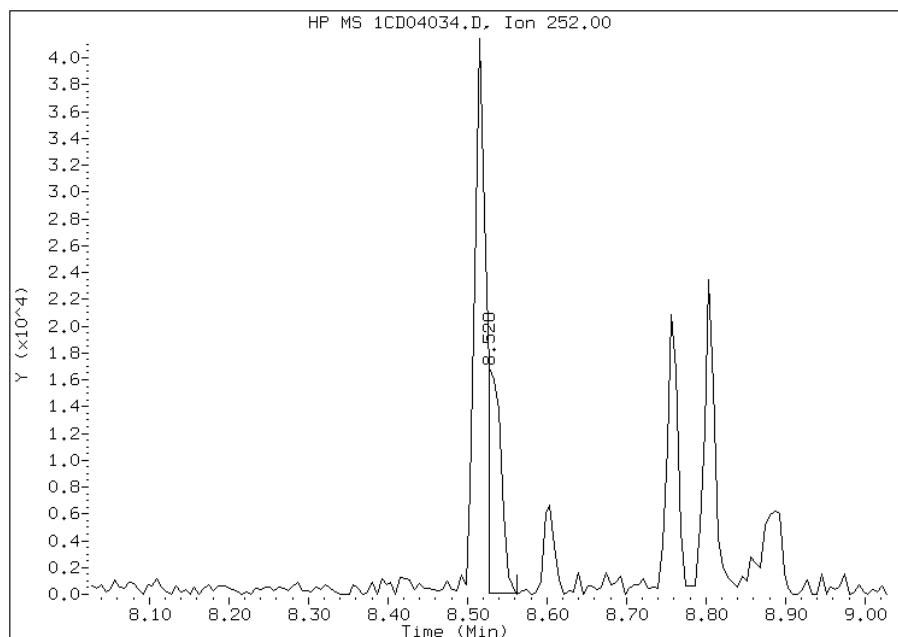
Processing Integration Results

RT: 8.57
Response: 222
Amount: 0
Conc: 3



Manual Integration Results

RT: 8.53
Response: 19135
Amount: 1
Conc: 282



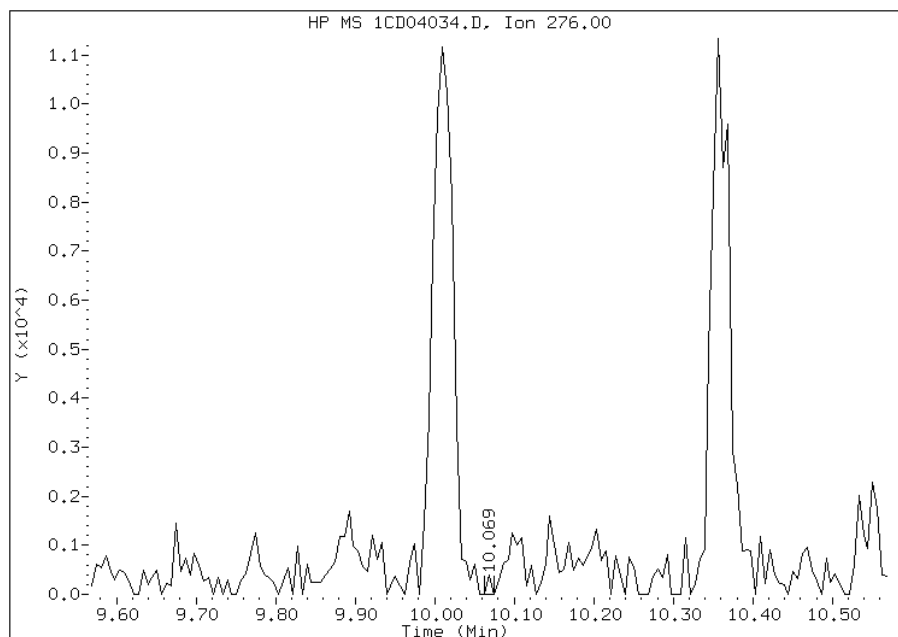
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04034.D
Inj. Date and Time: 04-APR-2013 21:19
Instrument ID: BSMC5973.i
Client ID: CV0509M-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

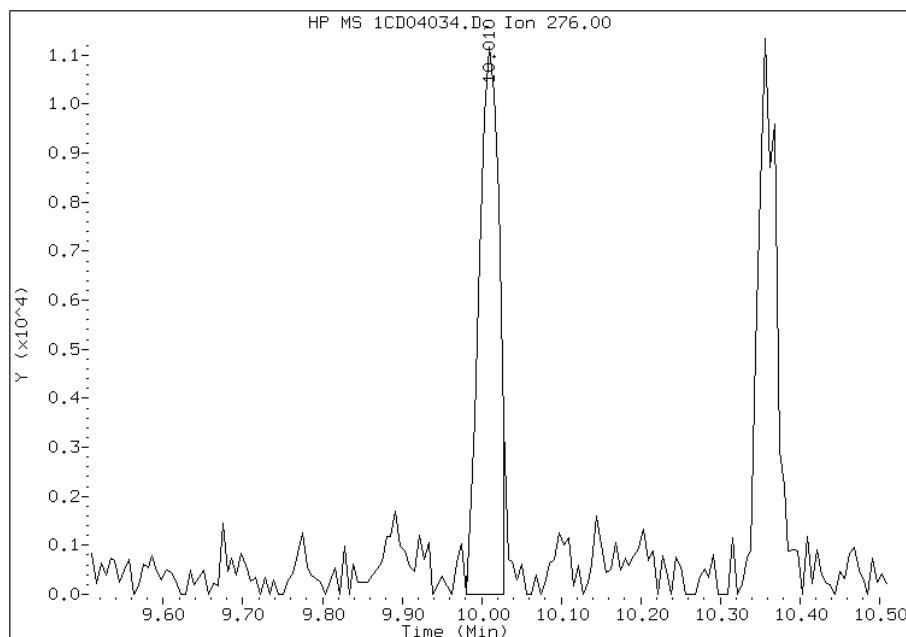
Processing Integration Results

RT: 10.07
Response: 142
Amount: 0
Conc: 2



Manual Integration Results

RT: 10.01
Response: 19310
Amount: 1
Conc: 307



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:05
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509N-CS Lab Sample ID: 680-88767-23
 Matrix: Solid Lab File ID: 1CD04035.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 10:40
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 14.91(g) Date Analyzed: 04/04/2013 21:37
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 27.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	28
208-96-8	Acenaphthylene	9.2	J	55	6.9
120-12-7	Anthracene	19		12	5.8
56-55-3	Benzo[a]anthracene	110		11	5.4
50-32-8	Benzo[a]pyrene	76		14	7.2
205-99-2	Benzo[b]fluoranthene	120		17	8.4
191-24-2	Benzo[g,h,i]perylene	62		28	6.1
207-08-9	Benzo[k]fluoranthene	64		11	5.0
218-01-9	Chrysene	120		12	6.2
53-70-3	Dibenz(a,h)anthracene	21	J	28	5.7
206-44-0	Fluoranthene	140		28	5.5
86-73-7	Fluorene	10	J	28	5.7
193-39-5	Indeno[1,2,3-cd]pyrene	46		28	9.8
90-12-0	1-Methylnaphthalene	62		55	6.1
91-57-6	2-Methylnaphthalene	56		55	9.8
91-20-3	Naphthalene	60		55	6.1
85-01-8	Phenanthrene	88		11	5.4
129-00-0	Pyrene	130		28	5.1

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\1C040413.b\1CD04035.D
 Lab Smp Id: 680-88767-A-23-A Client Smp ID: CV0509N-CS
 Inj Date : 04-APR-2013 21:37
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-23-a
 Misc Info : 680-88767-A-23-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 35
 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	14.910	Weight Extracted
M	27.336	% 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		3.692	3.692	(1.000)	506742	40.0000		
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	384494	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	761750	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	64507	5.91350	545.8214	
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	835555	40.0000		
* 23 Perylene-d12	264		8.862	8.886	(1.000)	800283	40.0000	(H)	
2 Naphthalene	128		3.710	3.710	(1.005)	8461	0.65007	60.0018(Q)	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	5365	0.60554	55.8916(Q)	
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	5323	0.66770	61.6289	
5 Acenaphthylene	152		4.692	4.698	(0.980)	1593	0.10011	9.2397(Q)	
9 Fluorene	166		5.121	5.127	(1.070)	1476	0.11234	10.3686(Q)	
11 Phenanthrene	178		5.751	5.751	(1.003)	21195	0.95535	88.1791	
12 Anthracene	178		5.786	5.786	(1.009)	4696	0.20881	19.2729	
13 Carbazole	167		5.892	5.898	(1.028)	4003	0.20775	19.1758	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
15 Fluoranthene	202	6.586	6.592	(1.149)	36239	1.47906	136.5188
16 Pyrene	202	6.757	6.763	(0.880)	31879	1.37733	127.1286
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	25186	1.17594	108.5399
19 Chrysene	228	7.704	7.710	(1.003)	30499	1.28095	118.2328
20 Benzo(b)fluoranthene	252	8.515	8.533	(0.961)	28382	1.25447	115.7887(H)
21 Benzo(k)fluoranthene	252	8.533	8.557	(0.963)	15237	0.69632	64.2710(QH)
22 Benzo(a)pyrene	252	8.804	8.827	(0.993)	17497	0.82143	75.8188(H)
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.056	(1.129)	9979	0.49324	45.5264(MH)
25 Dibenzo(a,h)anthracene	278	10.015	10.074	(1.130)	4235	0.22660	20.9155(MH)
26 Benzo(g,h,i)perylene	276	10.356	10.415	(1.169)	13760	0.66639	61.5079(MH)

QC Flag Legend

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

Data File: 1CD04035.D

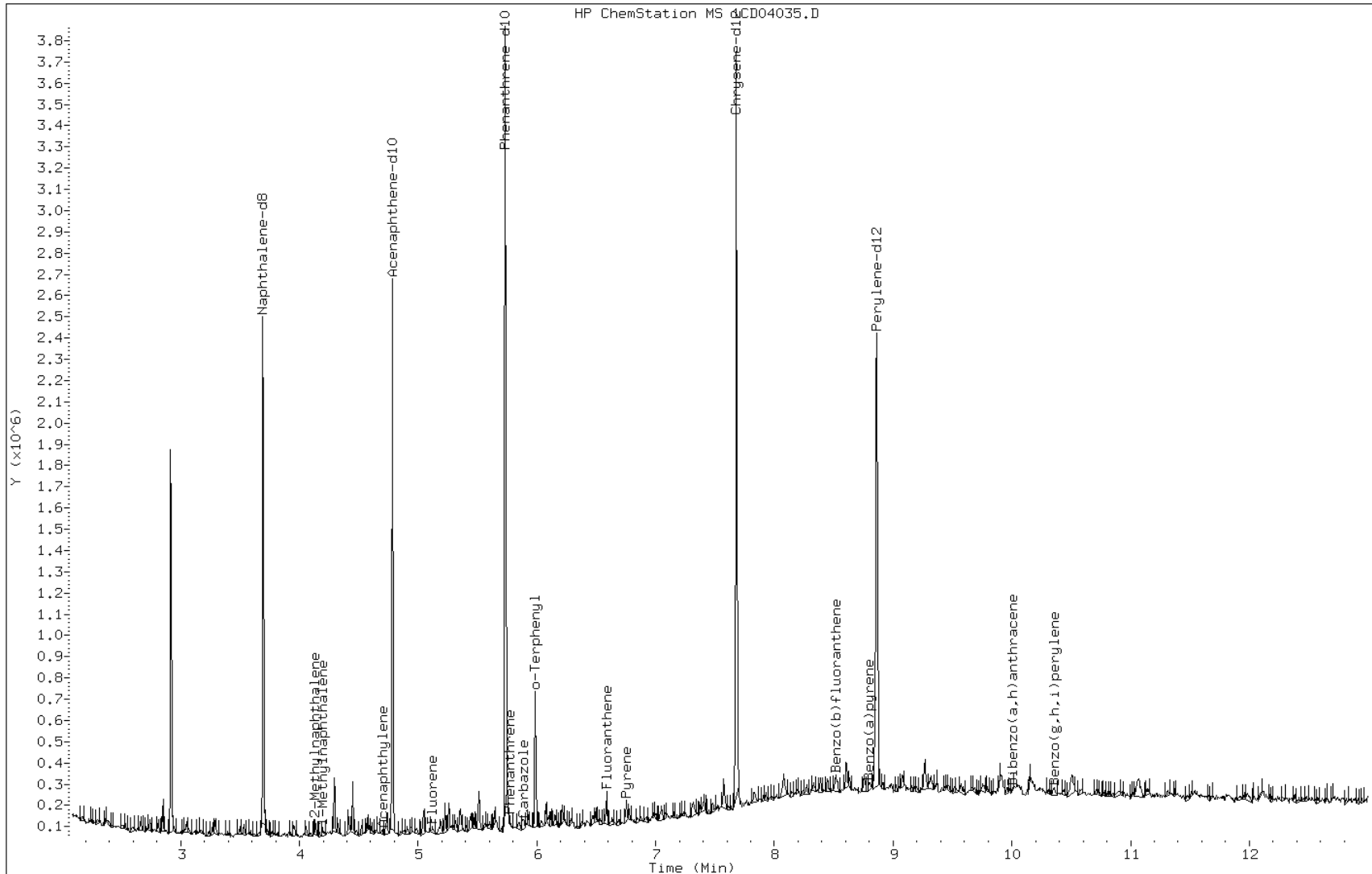
Date: 04-APR-2013 21:37

Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

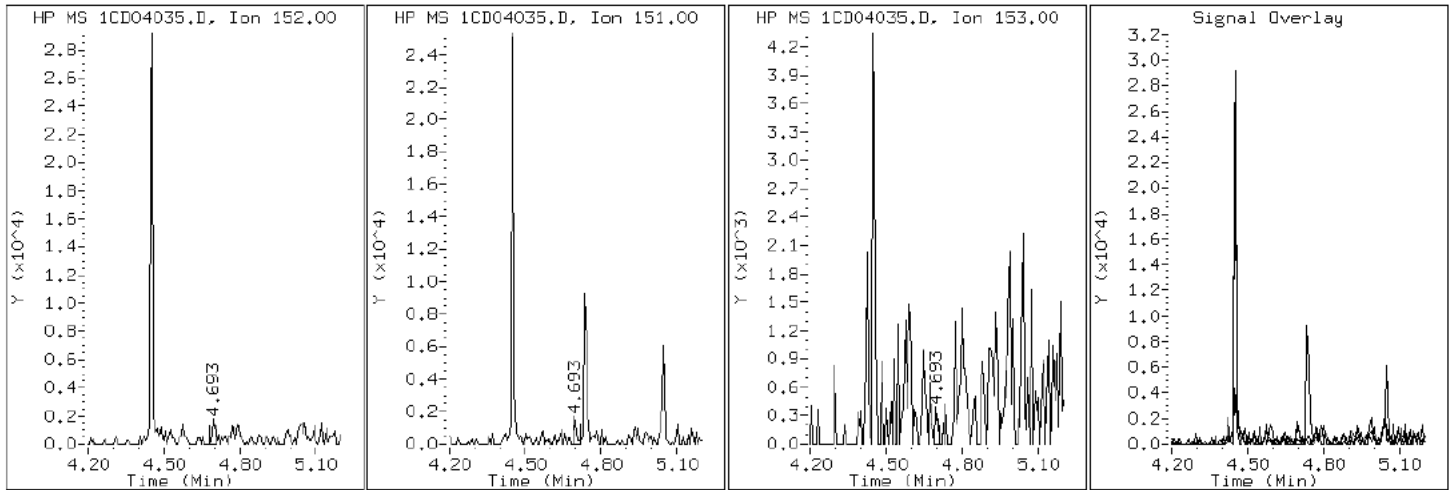
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

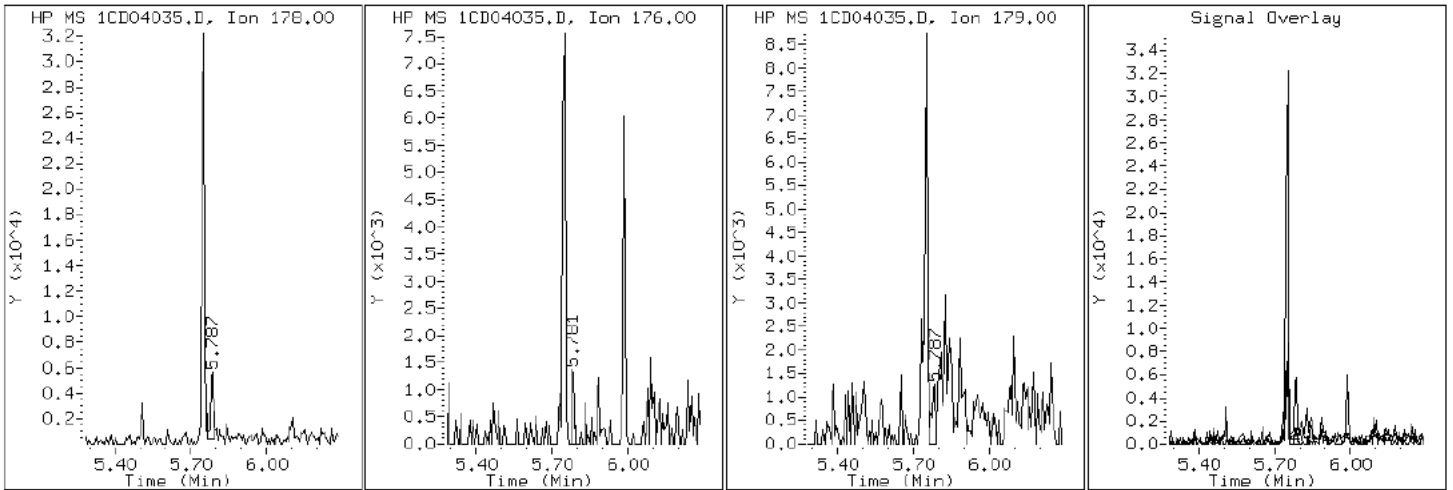
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

12 Anthracene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

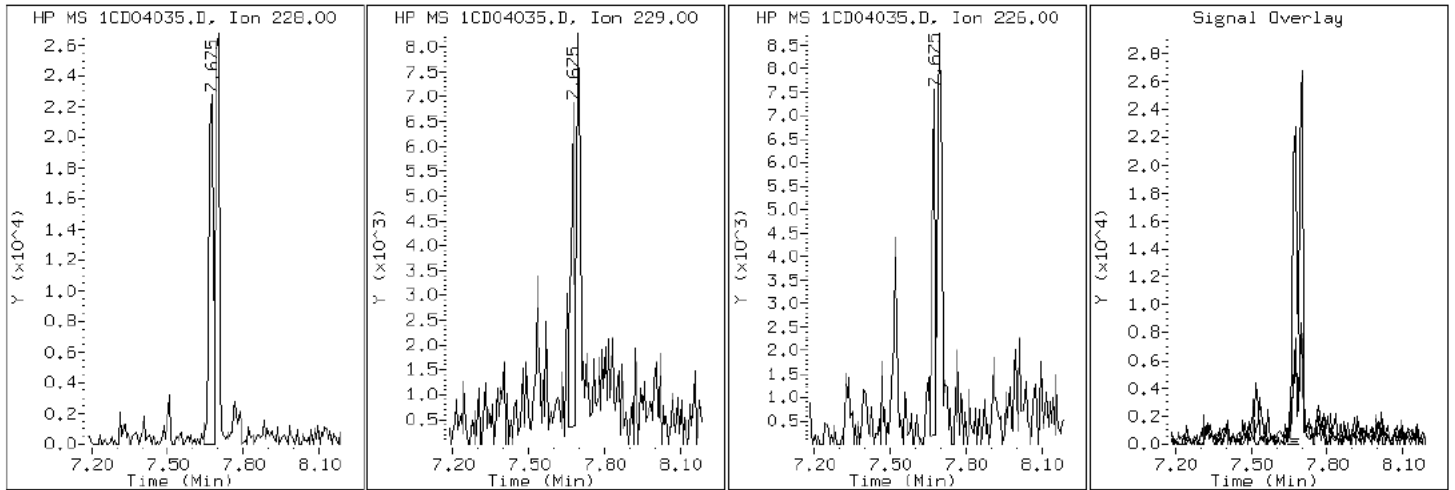
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

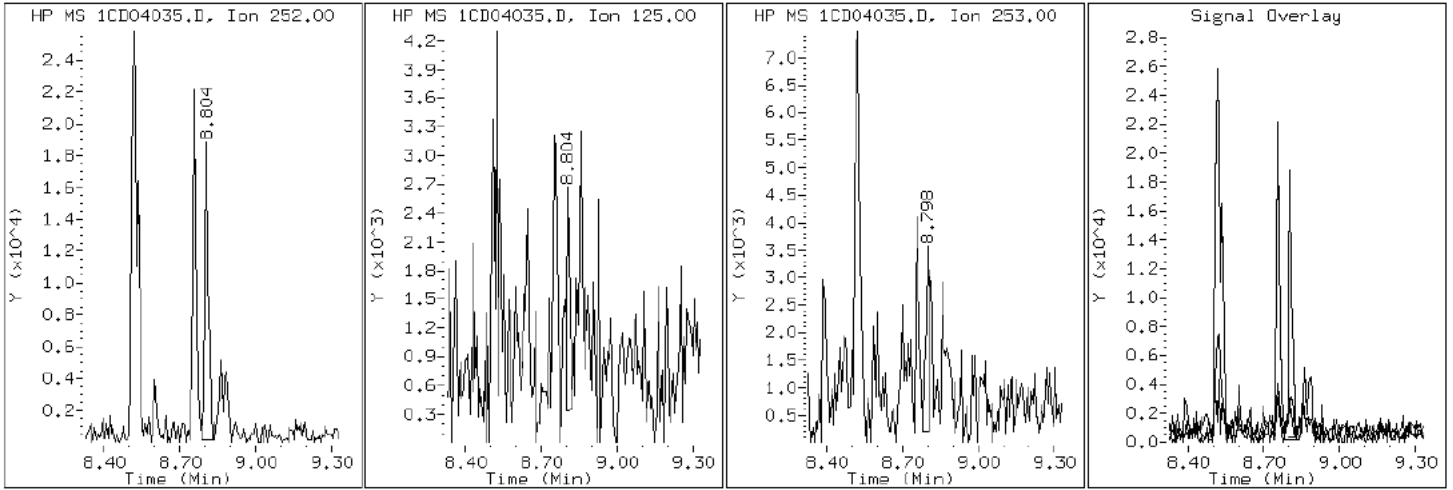
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

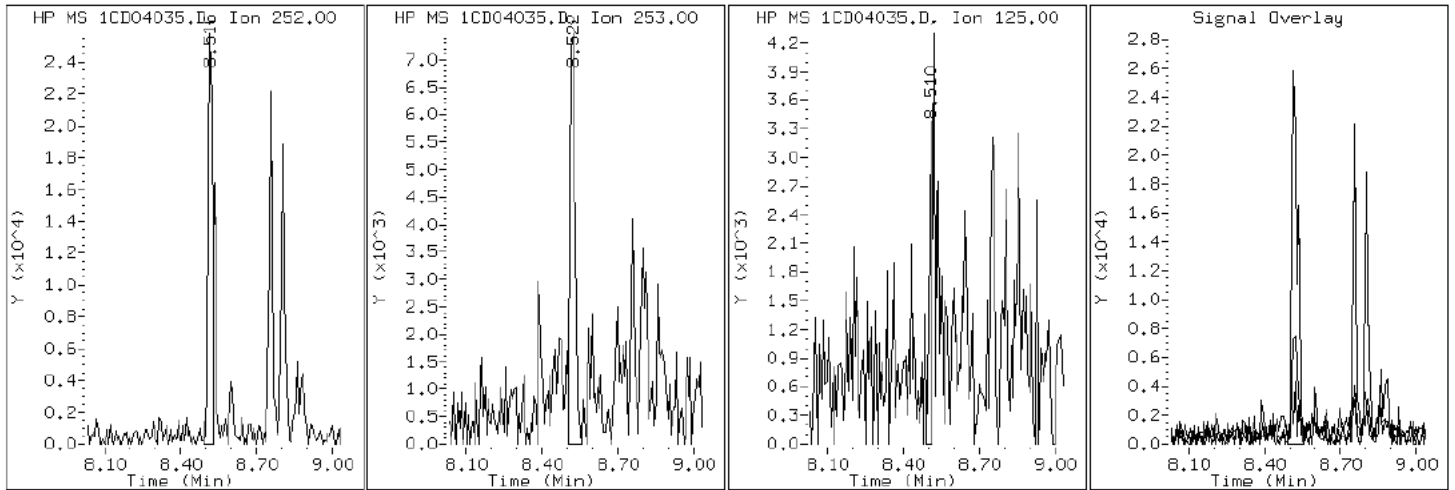
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

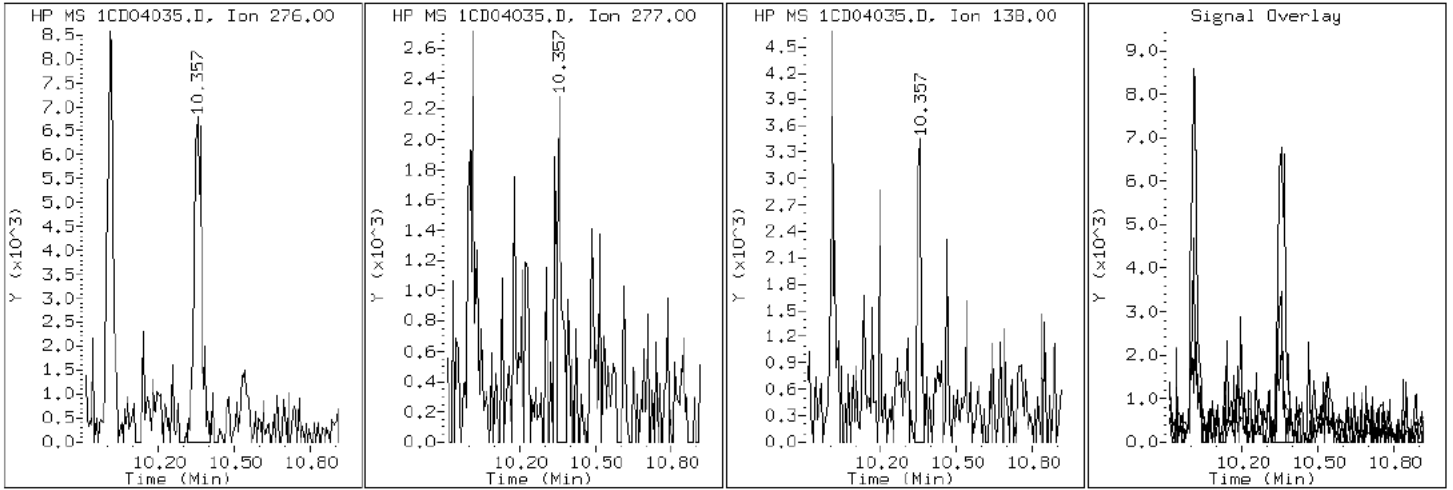
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

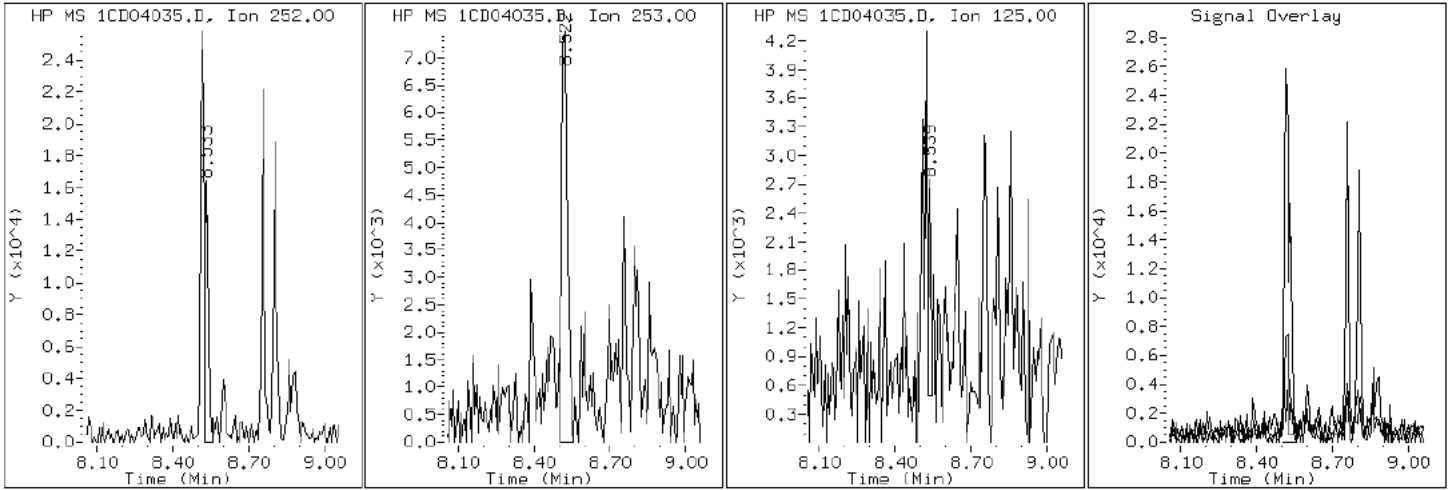
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

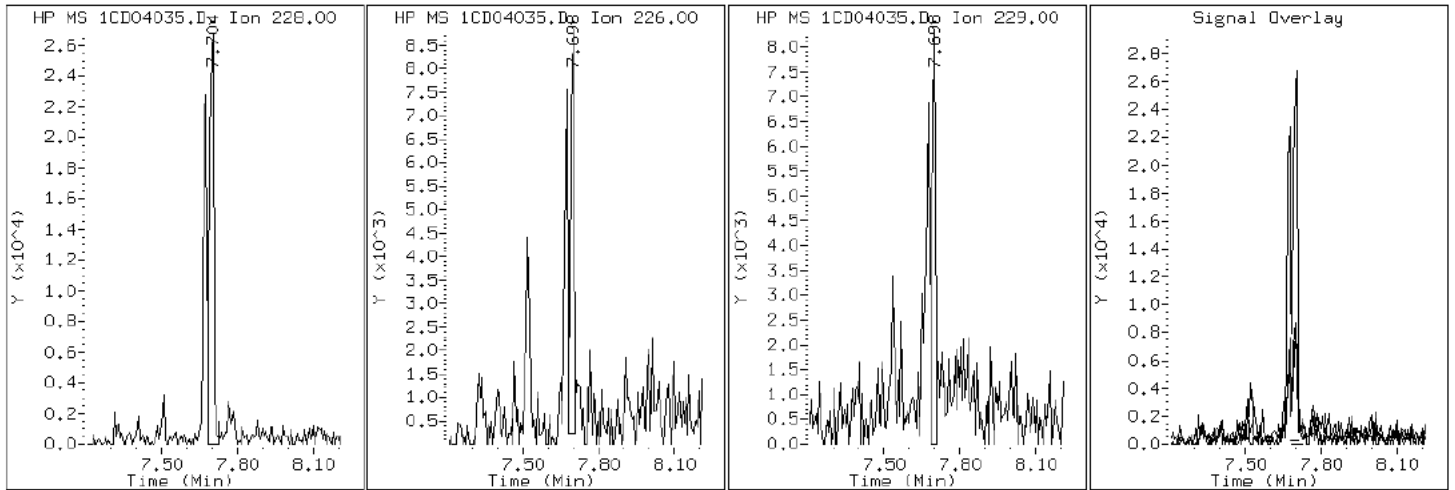
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

19 Chrysene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

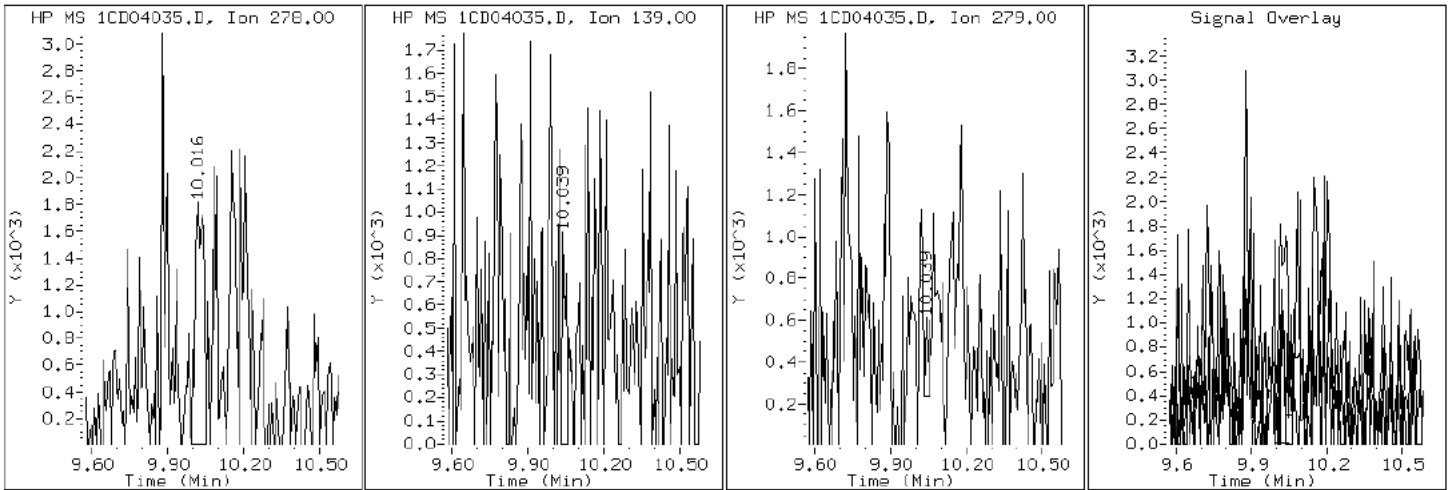
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

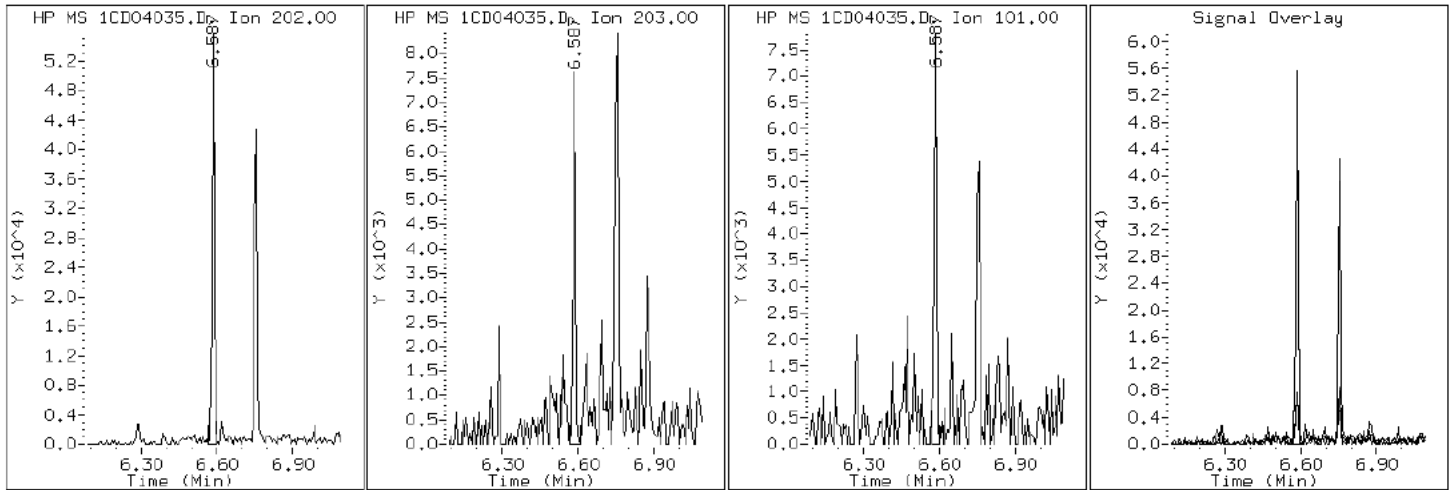
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

15 Fluoranthene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

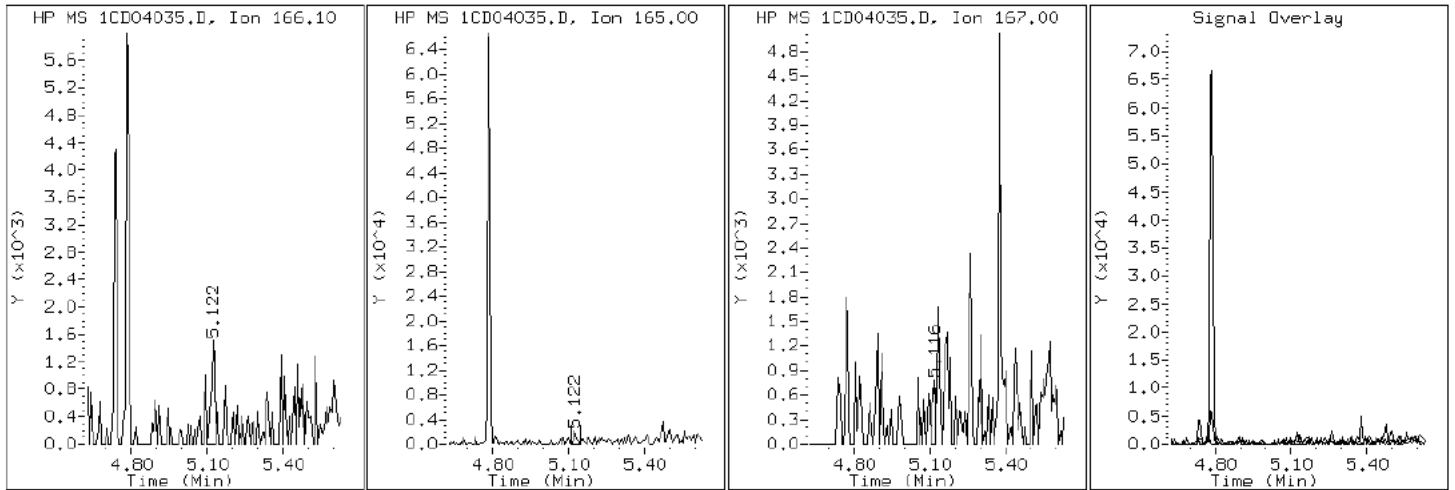
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

9 Fluorene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

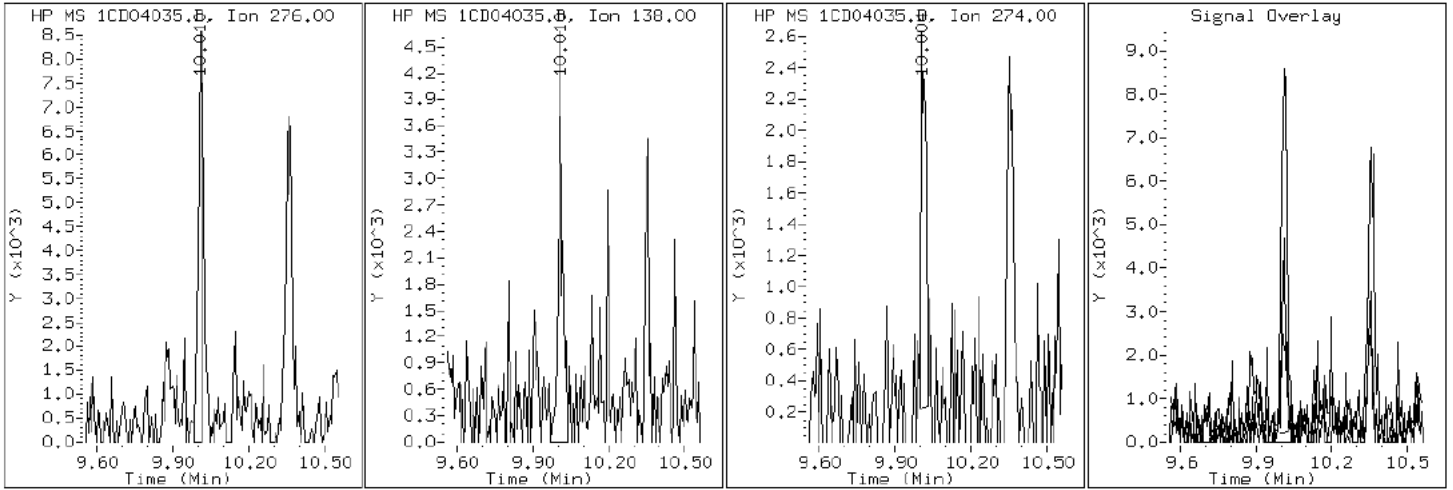
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

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



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

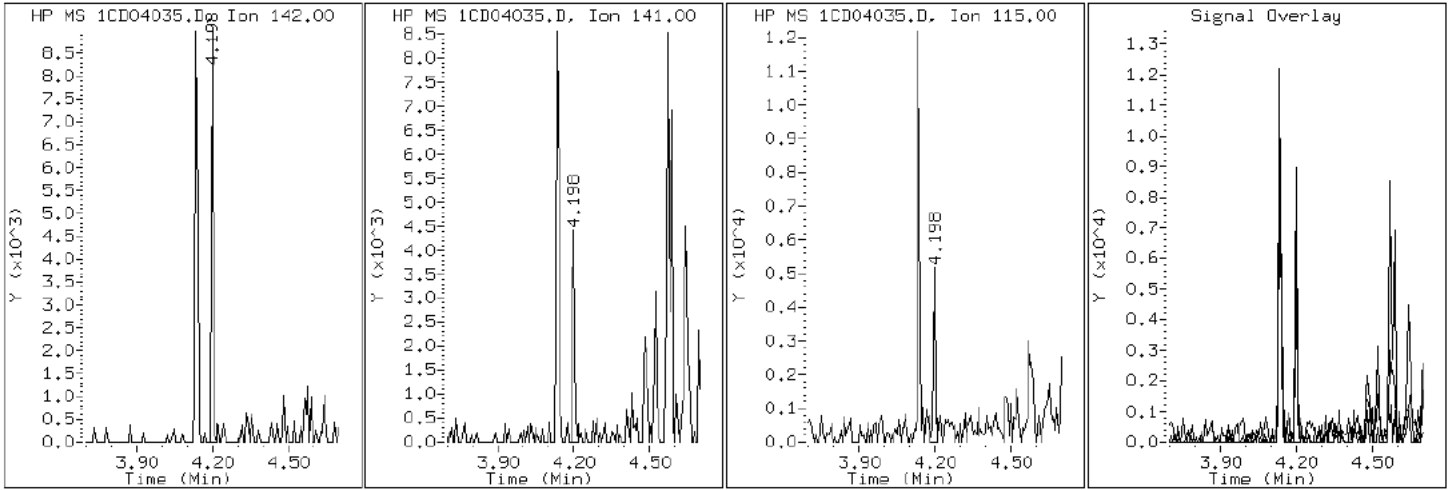
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

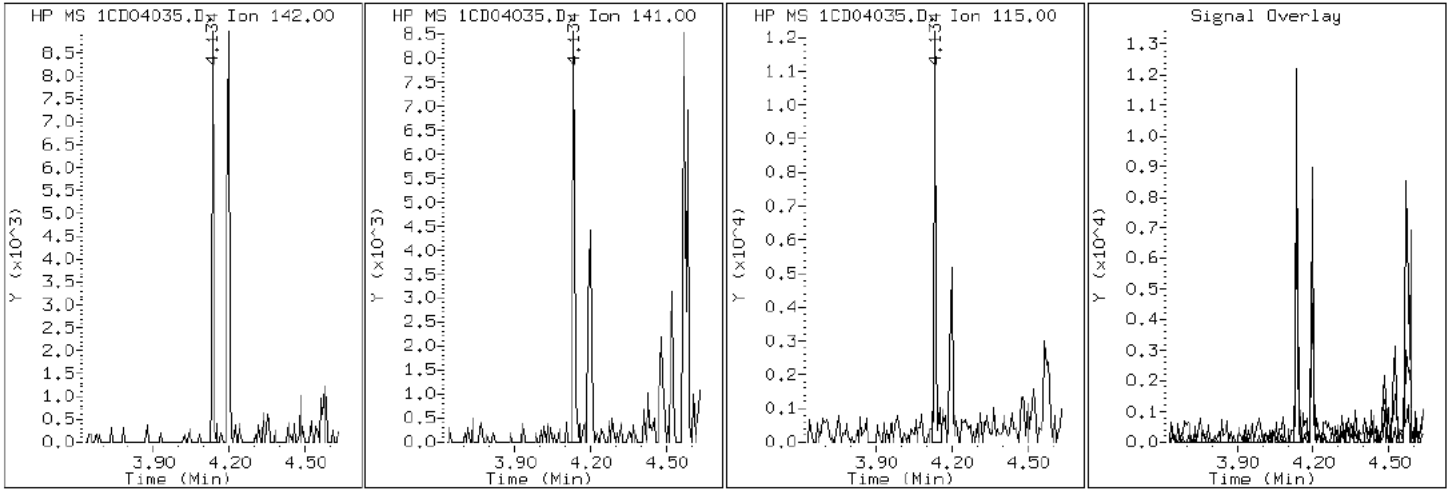
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

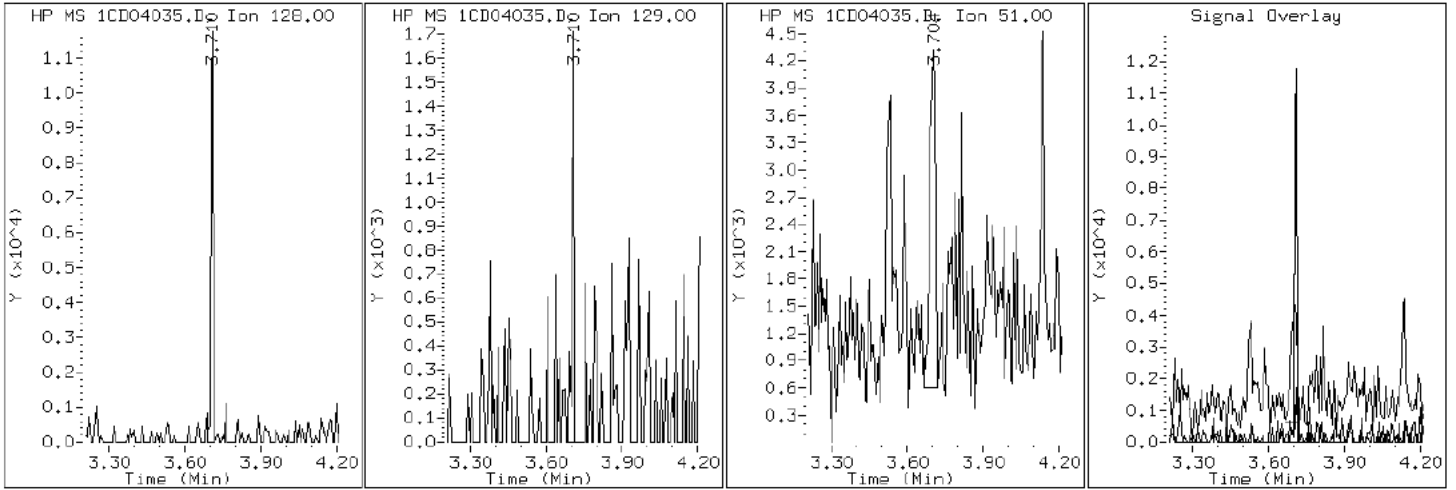
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

2 Naphthalene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

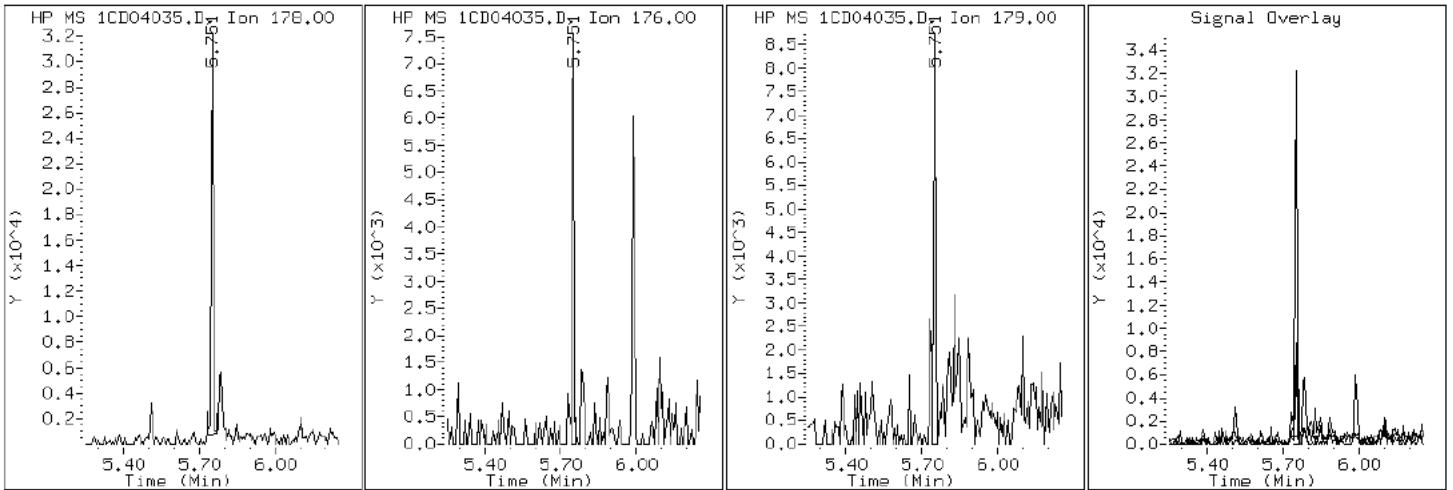
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

11 Phenanthrene



Data File: 1CD04035.D

Date: 04-APR-2013 21:37

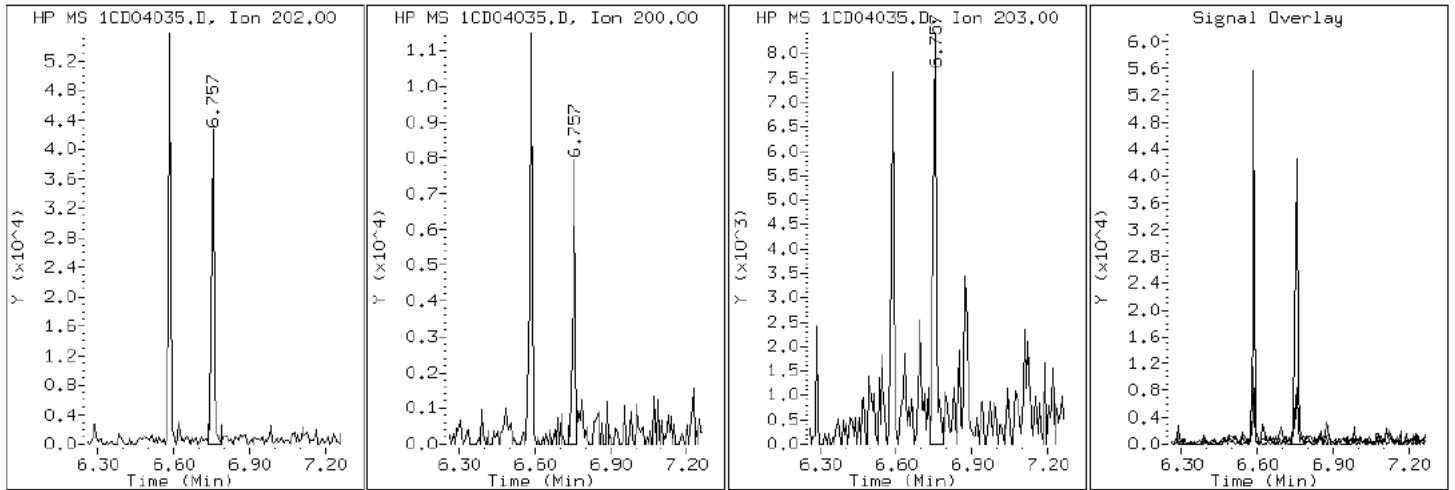
Client ID: CV0509N-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-23-a

Operator: SCC

16 Pyrene

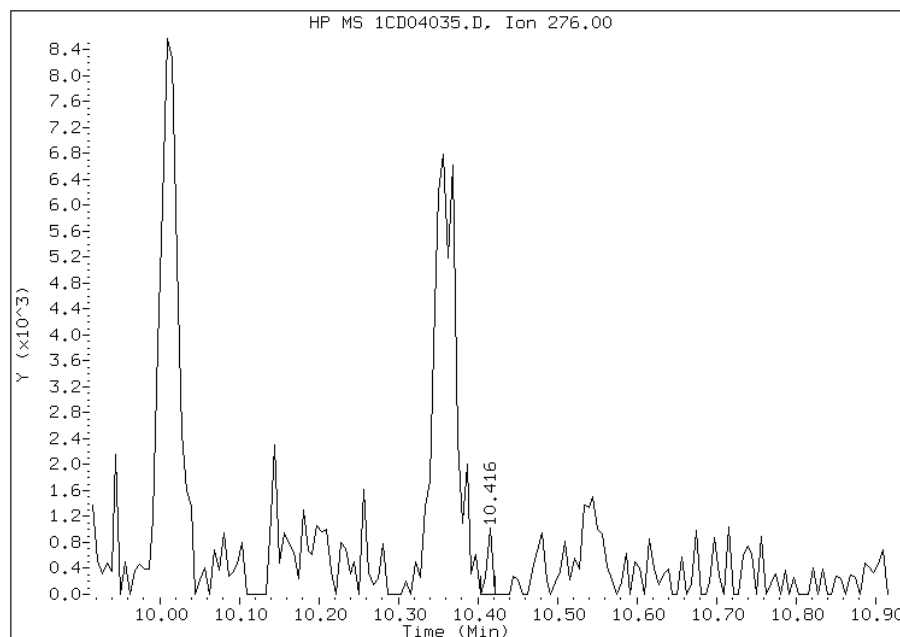


Manual Integration Report

Data File: 1CD04035.D
Inj. Date and Time: 04-APR-2013 21:37
Instrument ID: BSMC5973.i
Client ID: CV0509N-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/05/2013

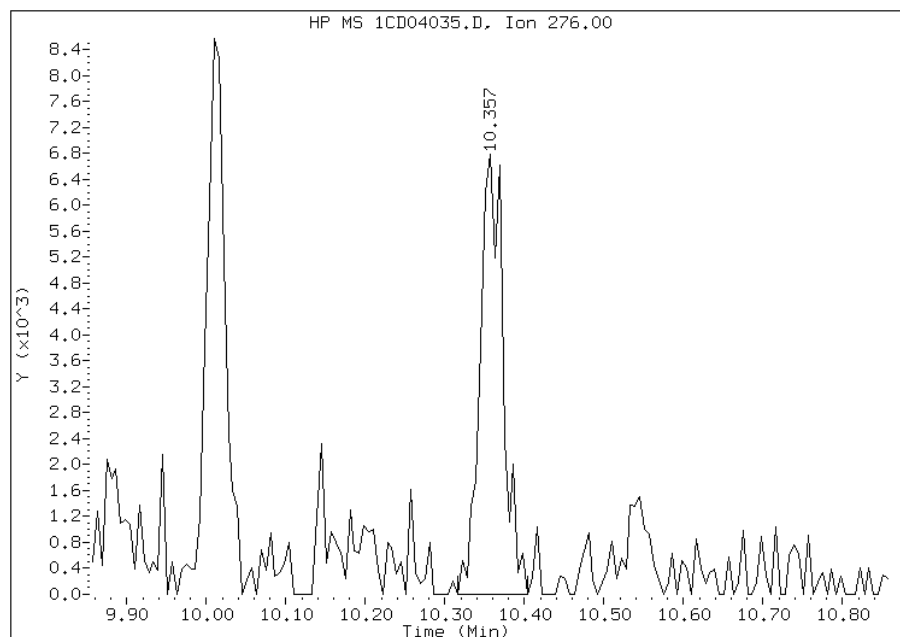
Processing Integration Results

RT: 10.42
Response: 452
Amount: 0
Conc: 2



Manual Integration Results

RT: 10.36
Response: 13760
Amount: 1
Conc: 62



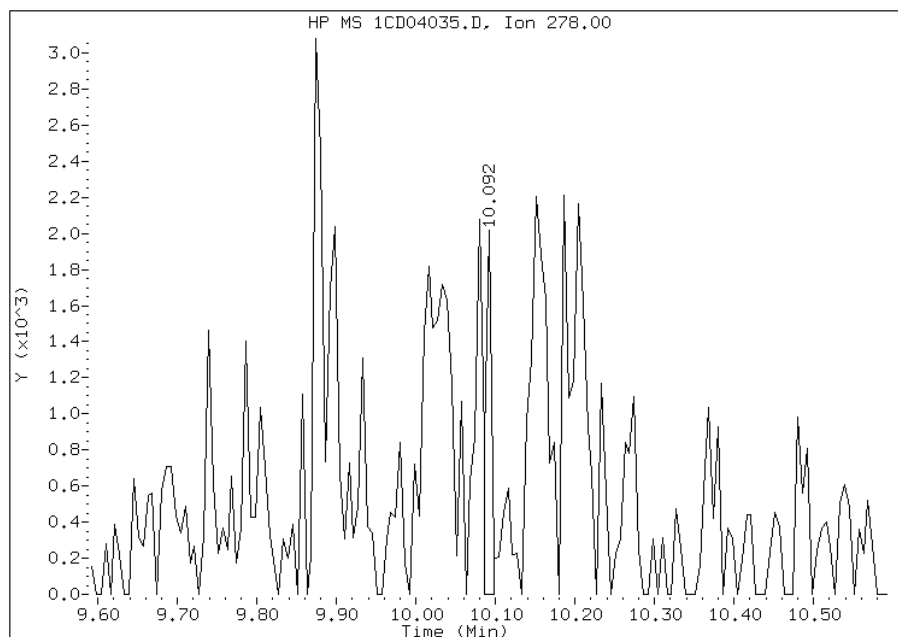
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:06
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04035.D
Inj. Date and Time: 04-APR-2013 21:37
Instrument ID: BSMC5973.i
Client ID: CV0509N-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

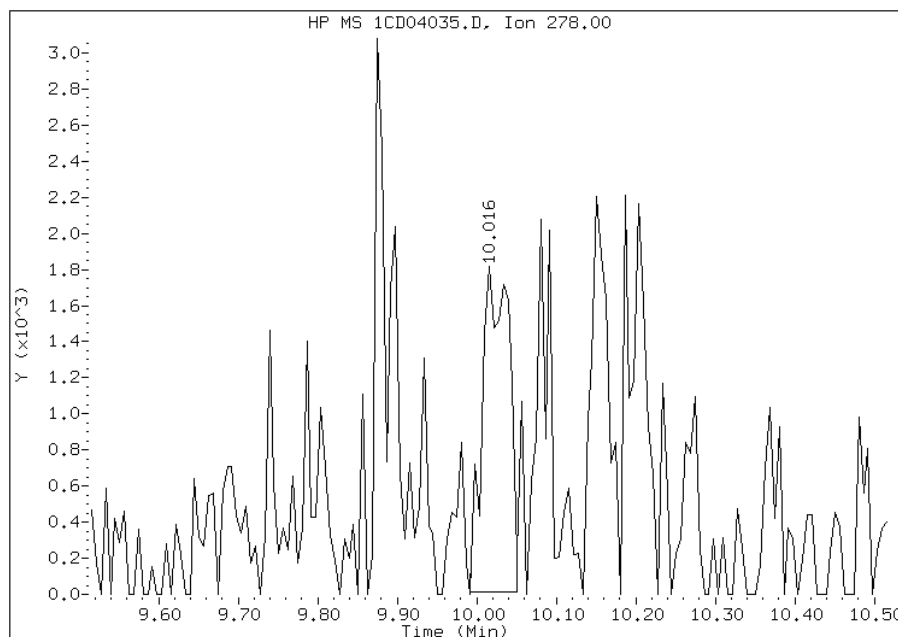
Processing Integration Results

RT: 10.09
Response: 1088
Amount: 0
Conc: 5



Manual Integration Results

RT: 10.02
Response: 4235
Amount: 0
Conc: 21



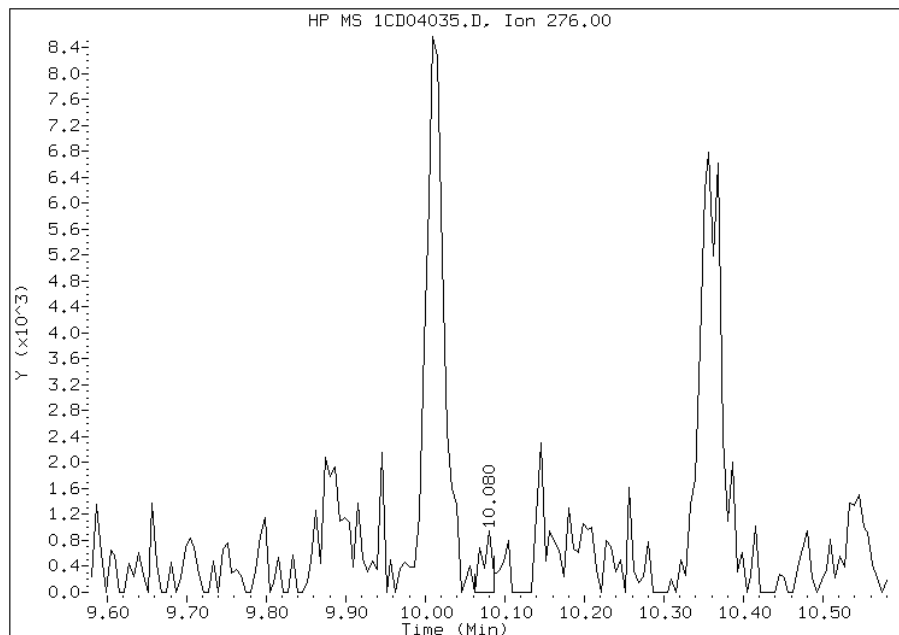
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:06
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04035.D
Inj. Date and Time: 04-APR-2013 21:37
Instrument ID: BSMC5973.i
Client ID: CV0509N-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

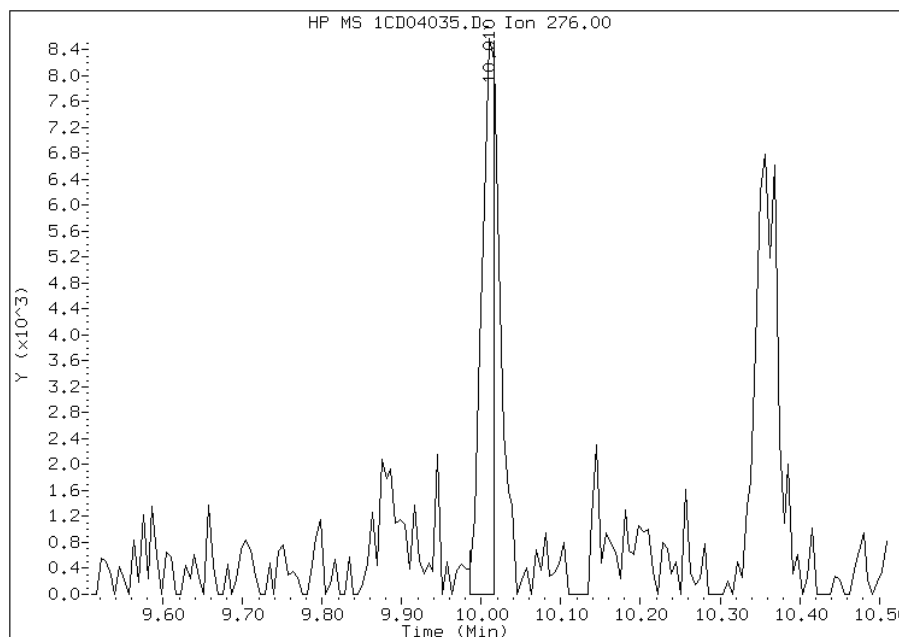
Processing Integration Results

RT: 10.08
Response: 804
Amount: 0
Conc: 4



Manual Integration Results

RT: 10.01
Response: 9979
Amount: 0
Conc: 46



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:06
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV05090-CS Lab Sample ID: 680-88767-24
 Matrix: Solid Lab File ID: 1CD04036.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 10:45
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.37(g) Date Analyzed: 04/04/2013 21:56
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 34.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	73	J	150	30
208-96-8	Acenaphthylene	37	J	59	7.4
120-12-7	Anthracene	140		12	6.2
56-55-3	Benzo[a]anthracene	520		12	5.8
50-32-8	Benzo[a]pyrene	450		15	7.7
205-99-2	Benzo[b]fluoranthene	770		18	9.0
191-24-2	Benzo[g,h,i]perylene	260		30	6.5
207-08-9	Benzo[k]fluoranthene	250		12	5.3
218-01-9	Chrysene	540		13	6.7
53-70-3	Dibenz(a,h)anthracene	96		30	6.1
206-44-0	Fluoranthene	1100		30	5.9
86-73-7	Fluorene	81		30	6.1
193-39-5	Indeno[1,2,3-cd]pyrene	290		30	11
90-12-0	1-Methylnaphthalene	160		59	6.5
91-57-6	2-Methylnaphthalene	160		59	11
91-20-3	Naphthalene	130		59	6.5
85-01-8	Phenanthrene	740		12	5.8
129-00-0	Pyrene	910		30	5.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04036.D
 Lab Smp Id: 680-88767-A-24-A Client Smp ID: CV05090-CS
 Inj Date : 04-APR-2013 21:56
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-24-a
 Misc Info : 680-88767-A-24-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 36
 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	15.370	Weight Extracted
M	34.053	% 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		3.692	3.692	(1.000)	515135	40.0000	
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	396542	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	761501	40.0000	
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	79777	7.14373	704.7811
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	863633	40.0000	
* 23 Perylene-d12	264		8.862	8.886	(1.000)	782987	40.0000	(H)
2 Naphthalene	128		3.710	3.710	(1.005)	17663	1.33496	131.7033(Q)
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	14928	1.65744	163.5189
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	13542	1.67098	164.8545
5 Acenaphthylene	152		4.698	4.698	(0.982)	6202	0.37790	37.2822
7 Acenaphthene	154		4.804	4.804	(1.004)	7497	0.73753	72.7627
9 Fluorene	166		5.121	5.127	(1.070)	11132	0.82149	81.0461
11 Phenanthrene	178		5.751	5.751	(1.003)	166866	7.52379	742.2773
12 Anthracene	178		5.786	5.786	(1.009)	32605	1.45024	143.0771

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898 (1.028)		20135	1.04534	103.1302
15 Fluoranthene	202	6.586	6.592 (1.149)		278508	11.3708	1121.8112
16 Pyrene	202	6.757	6.763 (0.880)		221449	9.25662	913.2341
17 Benzo(a)anthracene	228	7.674	7.686 (0.999)		129350	5.30473	523.3505
19 Chrysene	228	7.698	7.710 (1.002)		133534	5.42606	535.3204
20 Benzo(b)fluoranthene	252	8.515	8.533 (0.961)		172316	7.78453	768.0009(M)
21 Benzo(k)fluoranthene	252	8.533	8.557 (0.963)		54636	2.55199	251.7721(QMH)
22 Benzo(a)pyrene	252	8.803	8.827 (0.993)		95574	4.58603	452.4455(H)
24 Indeno(1,2,3-cd)pyrene	276	10.015	10.056 (1.130)		58210	2.94075	290.1263(MH)
25 Dibenzo(a,h)anthracene	278	10.033	10.074 (1.132)		17857	0.97658	96.3467(H)
26 Benzo(g,h,i)perylene	276	10.362	10.415 (1.169)		53296	2.63810	260.2678(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: 1CD04036.D

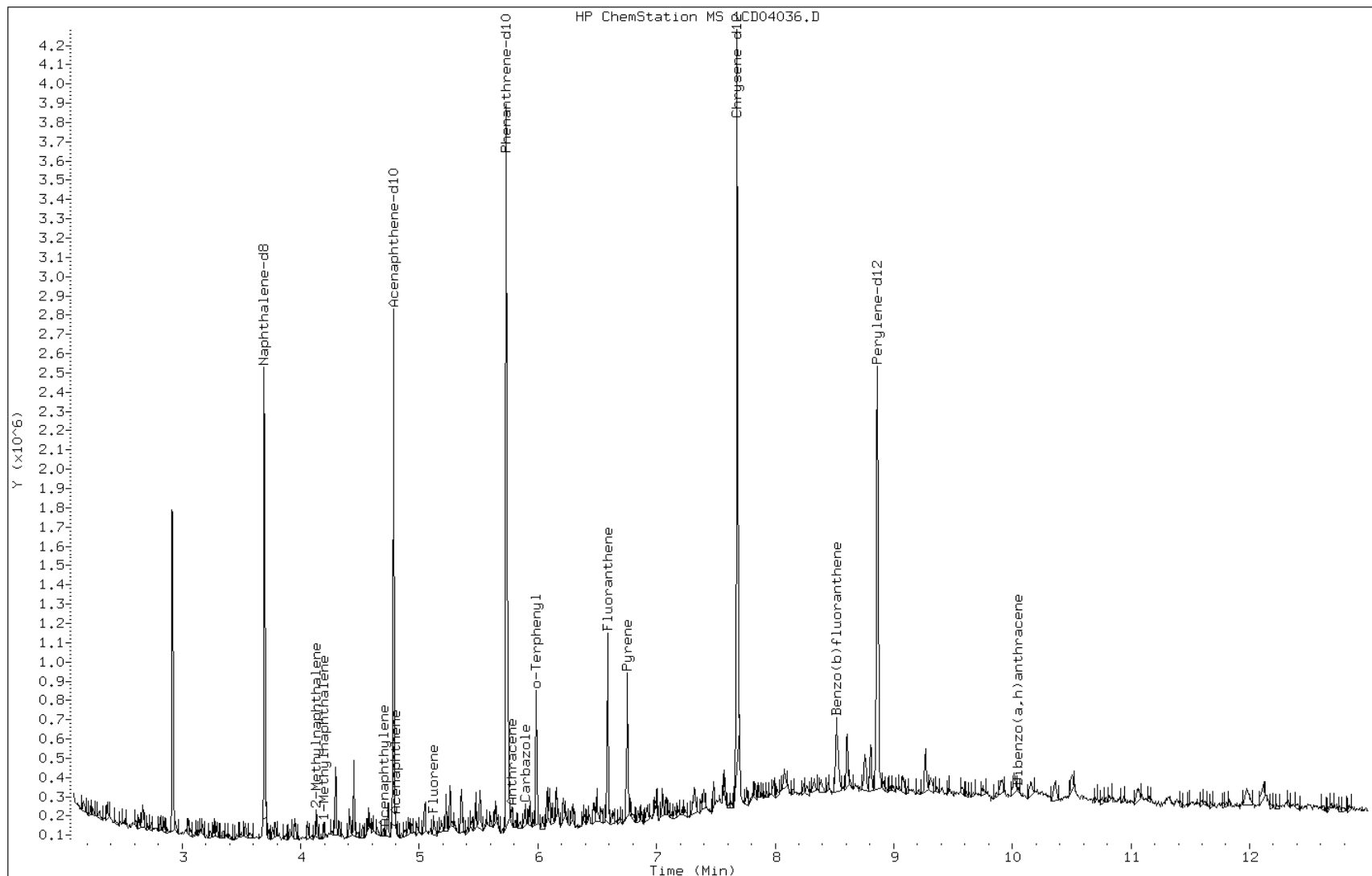
Date: 04-APR-2013 21:56

Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

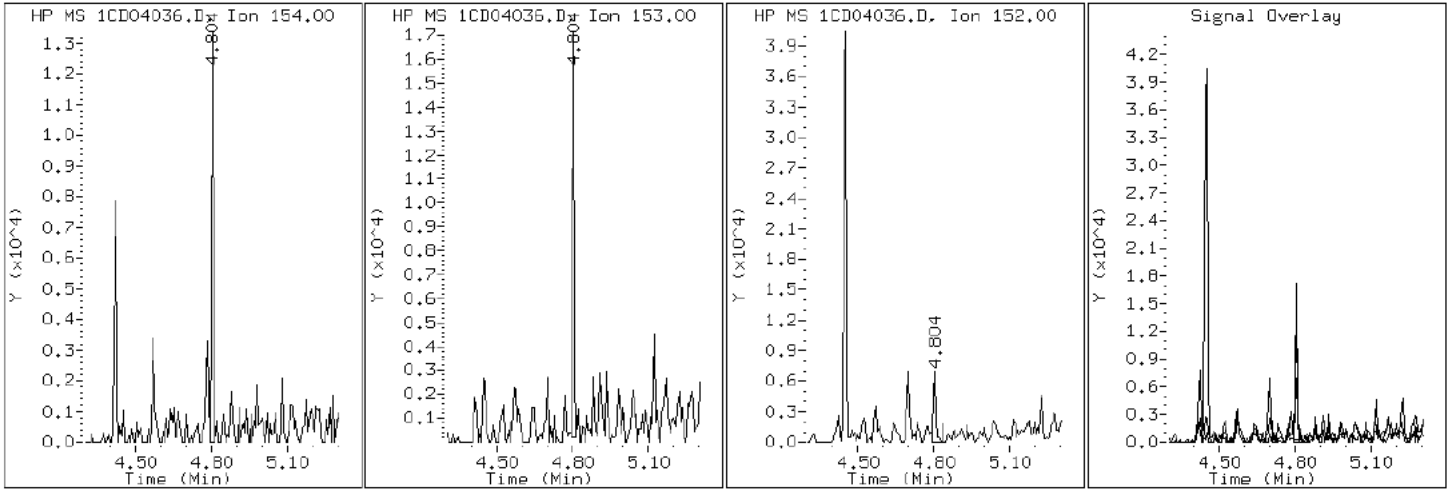
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

7 Acenaphthene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

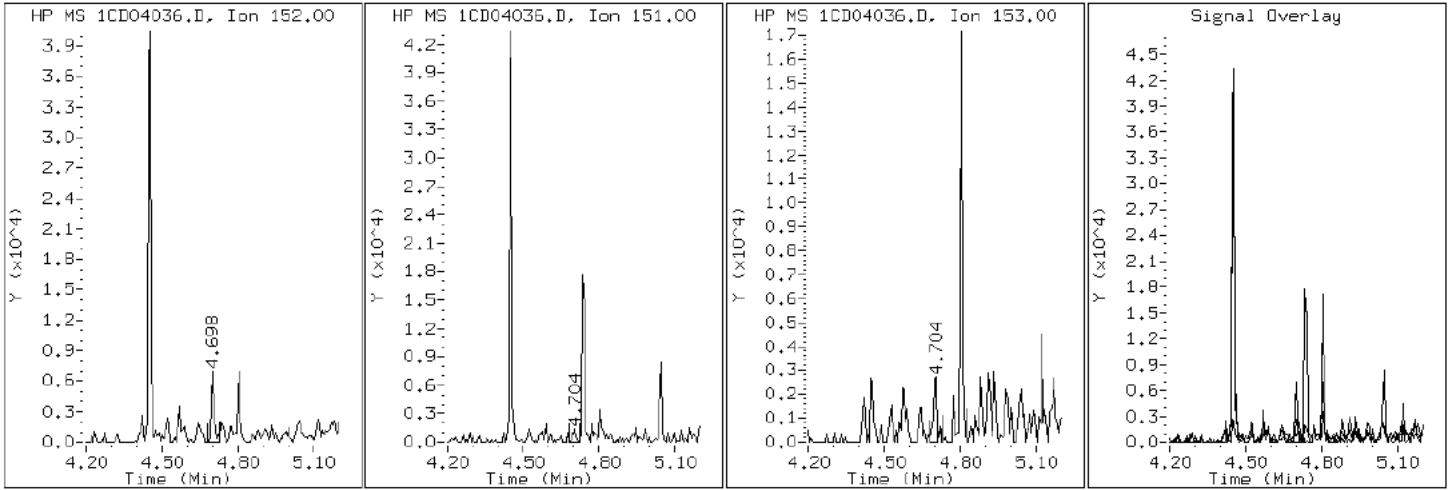
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

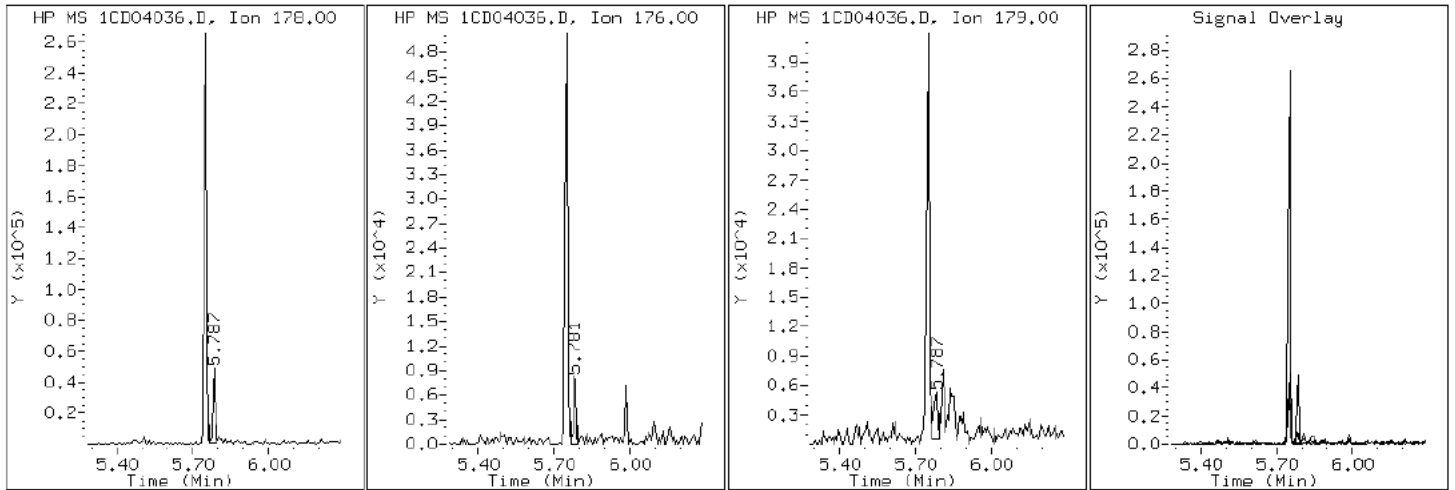
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

12 Anthracene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

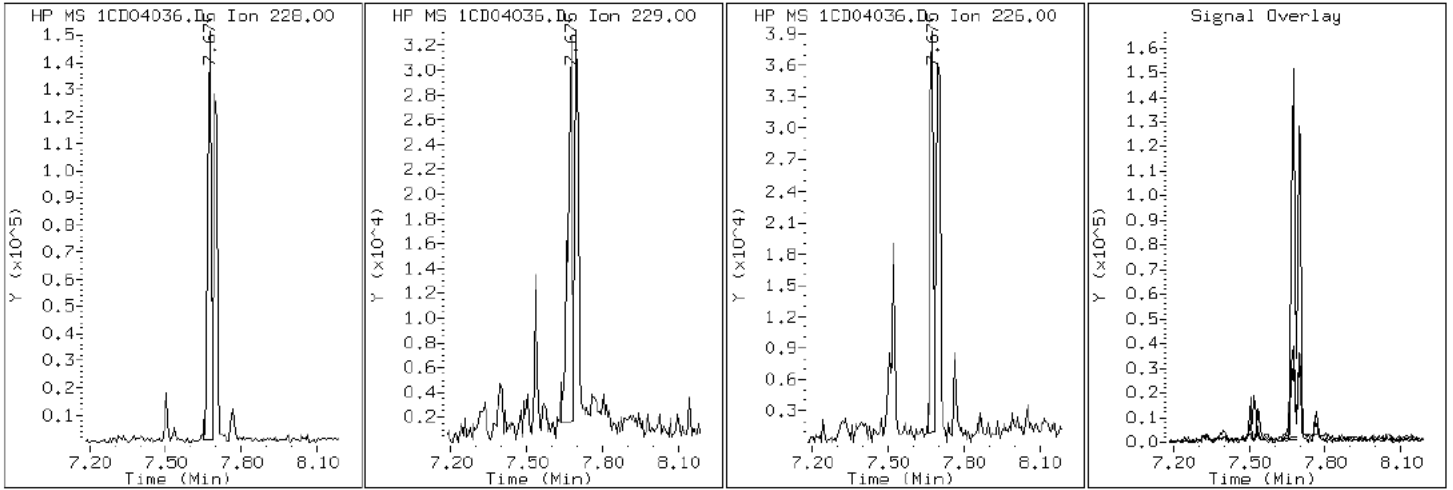
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

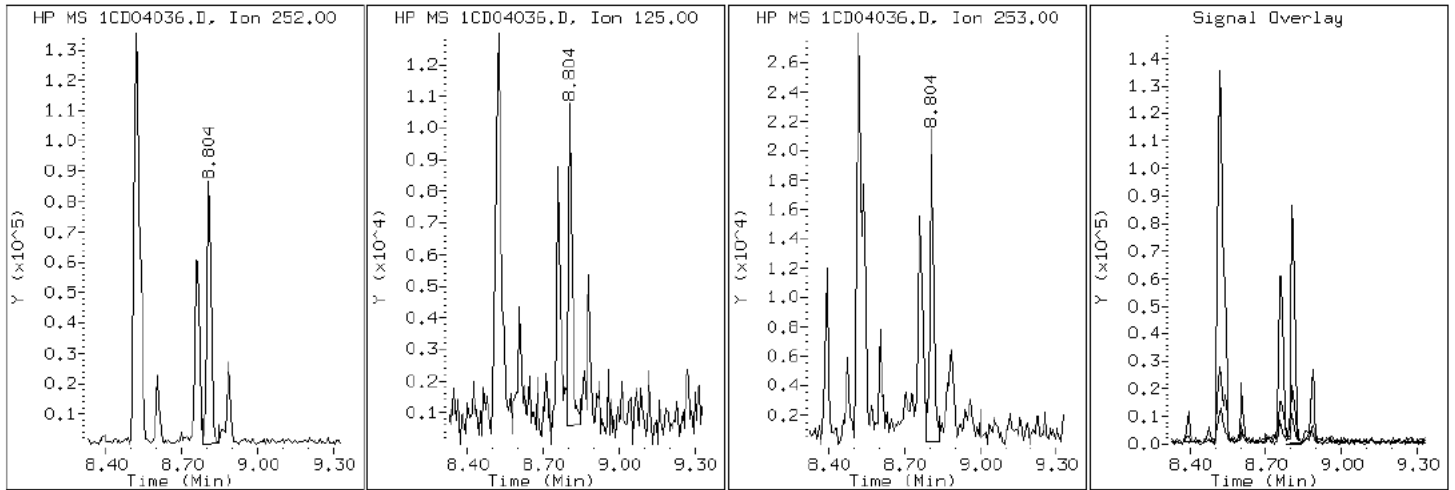
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

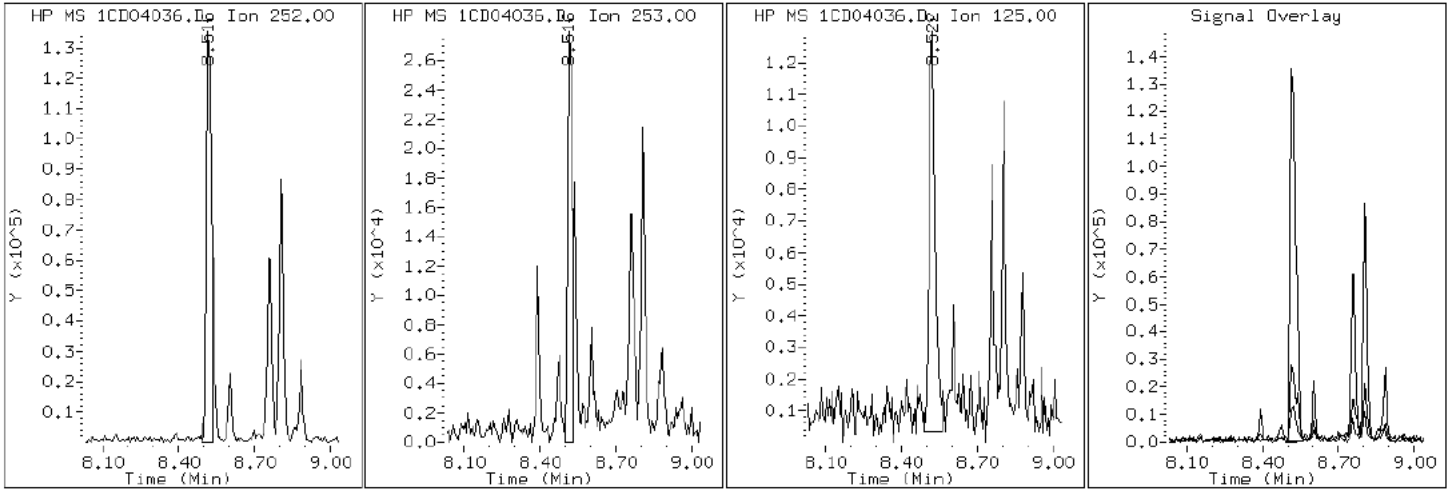
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

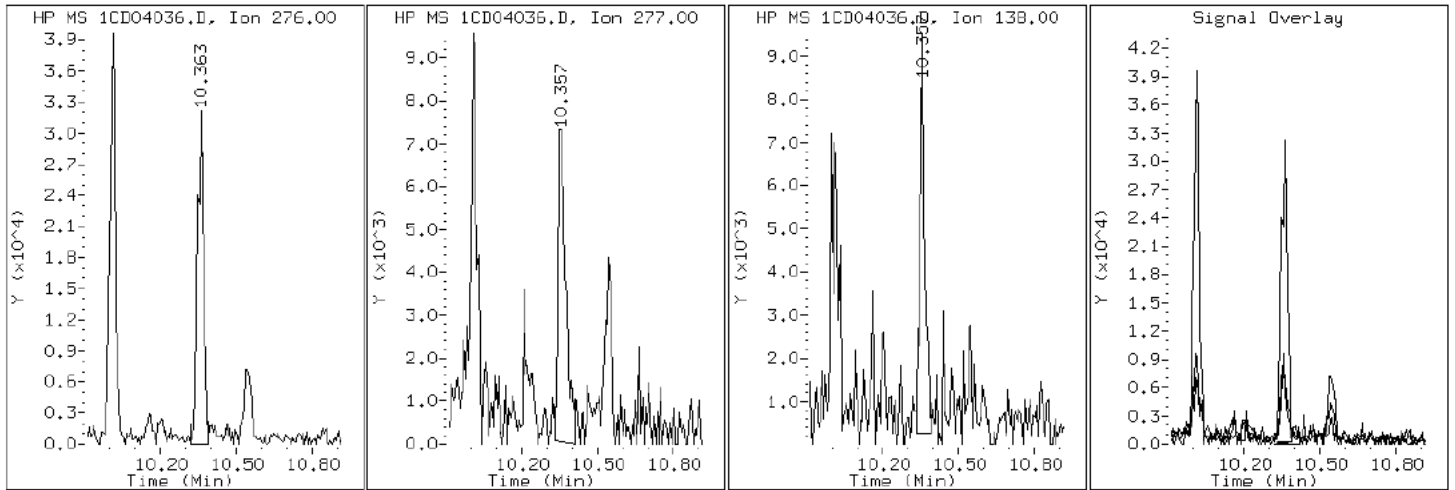
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

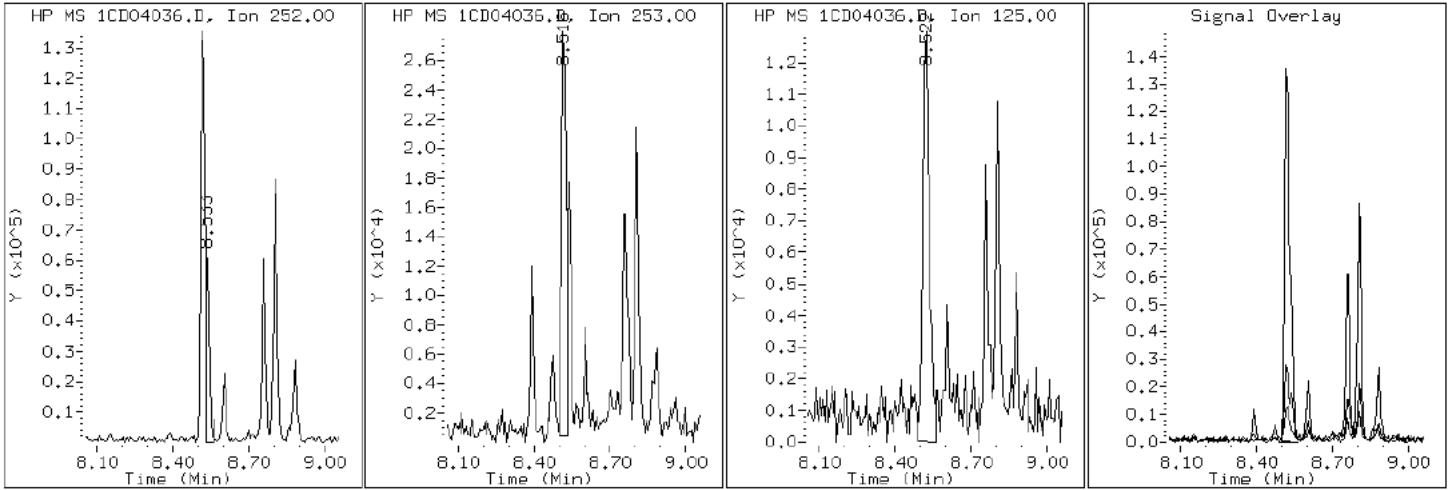
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

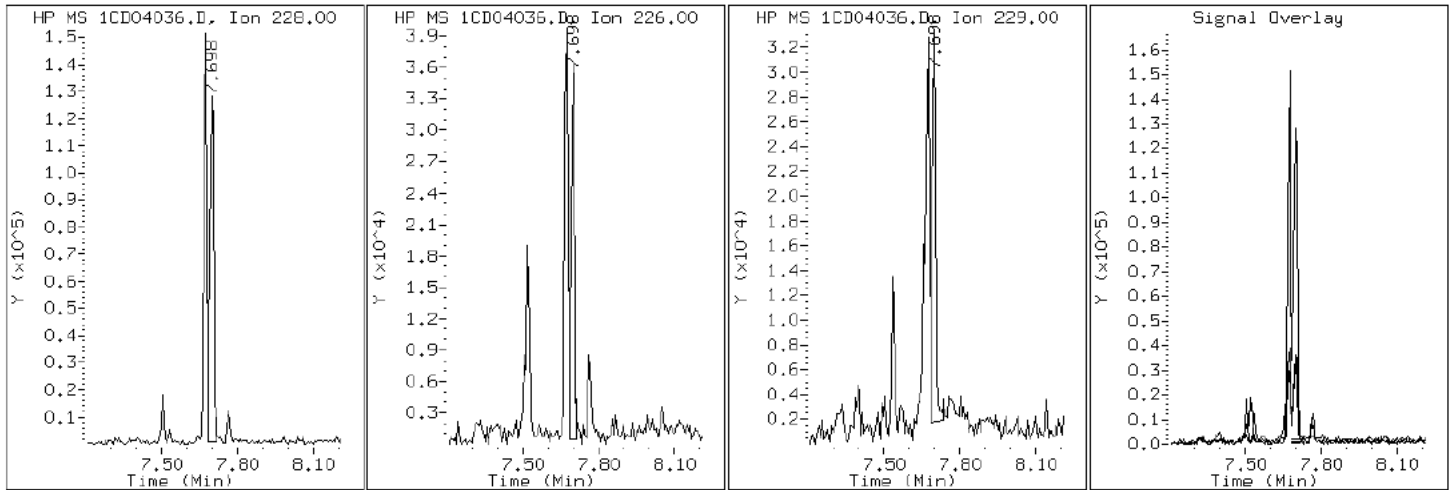
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

19 Chrysene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

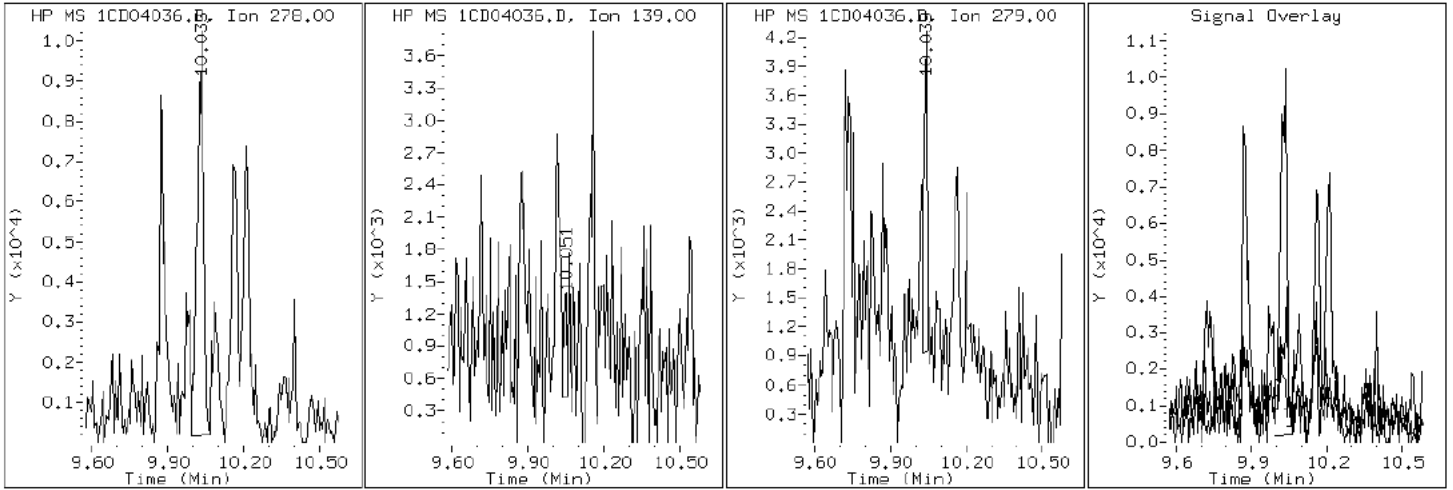
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

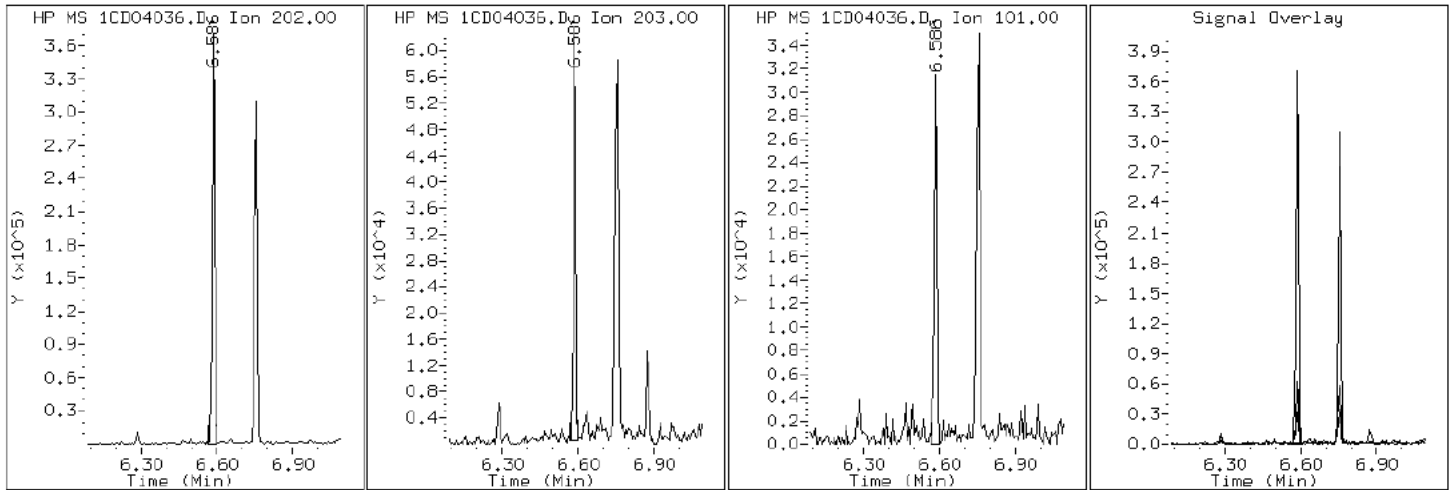
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

15 Fluoranthene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

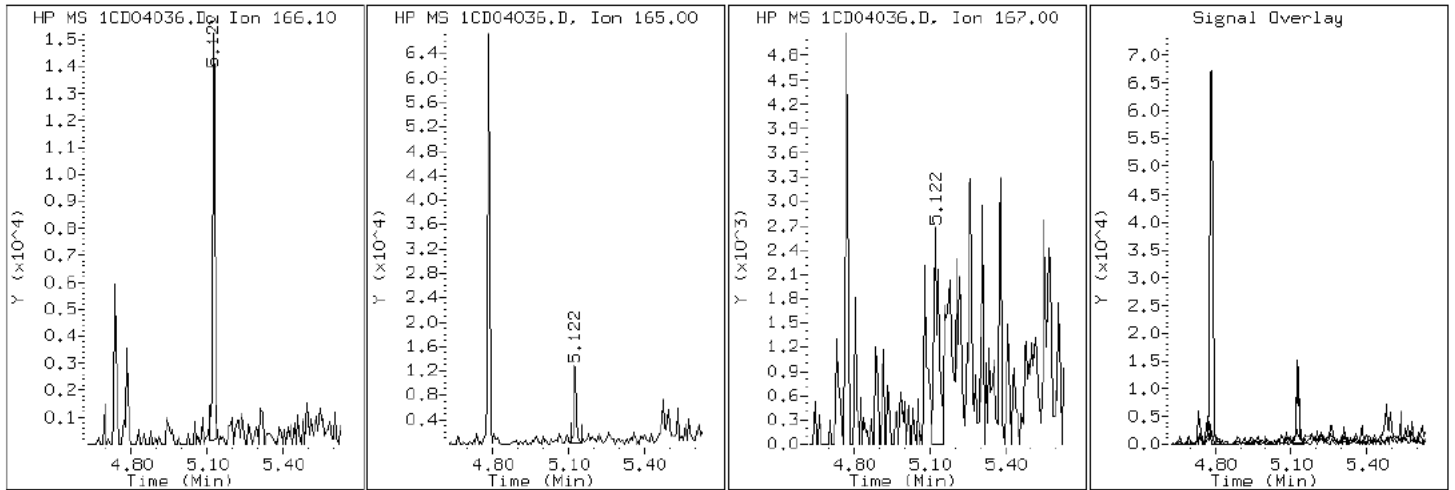
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

9 Fluorene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

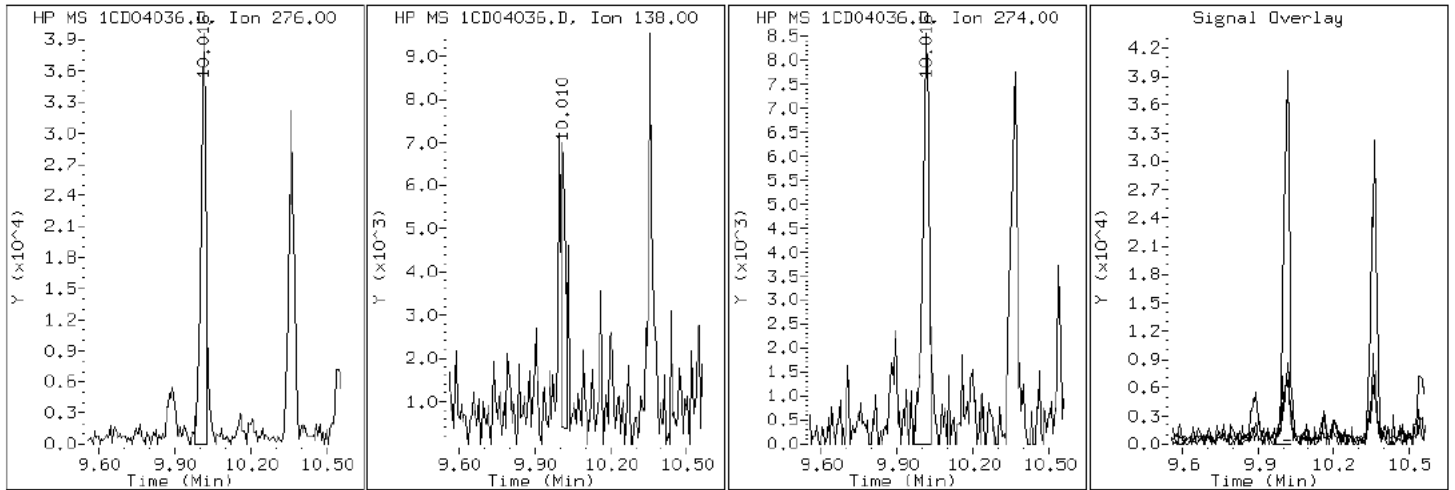
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

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



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

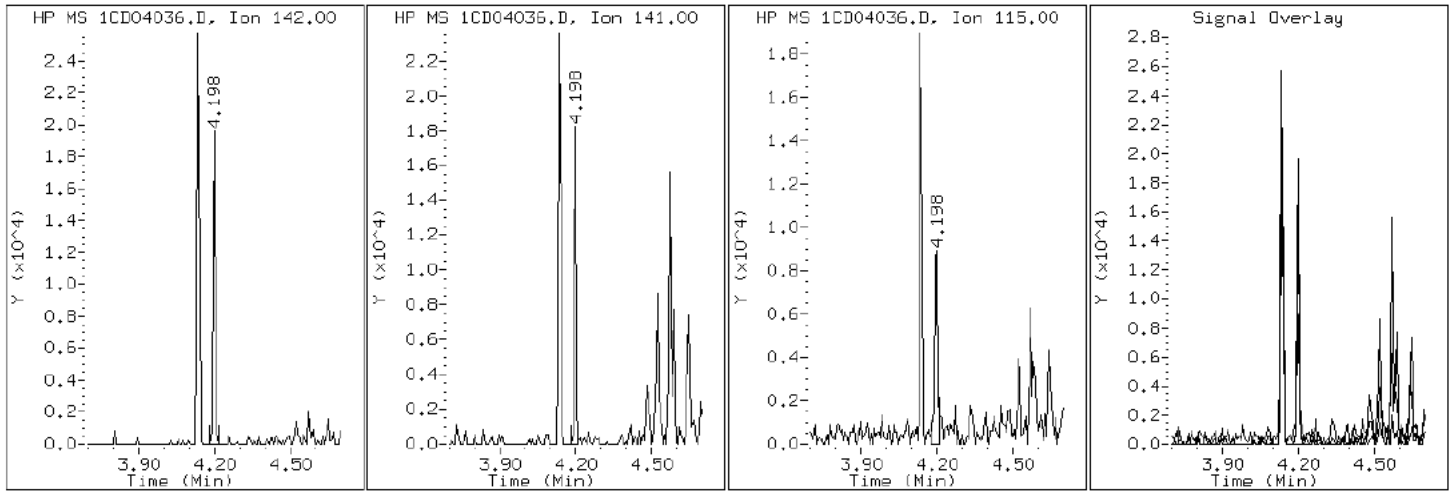
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

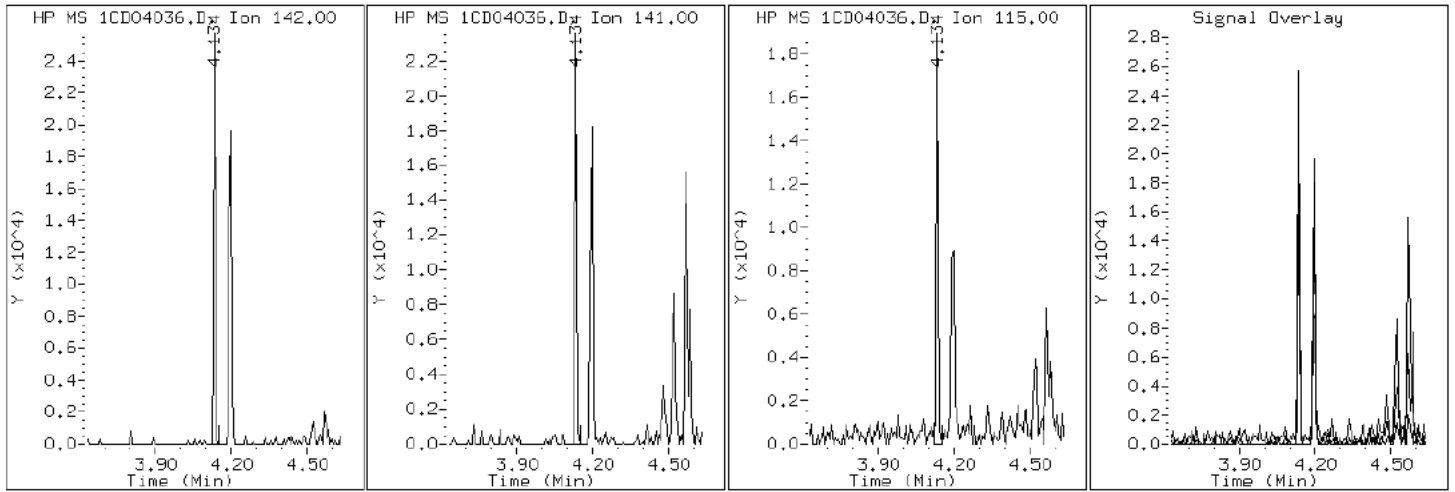
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

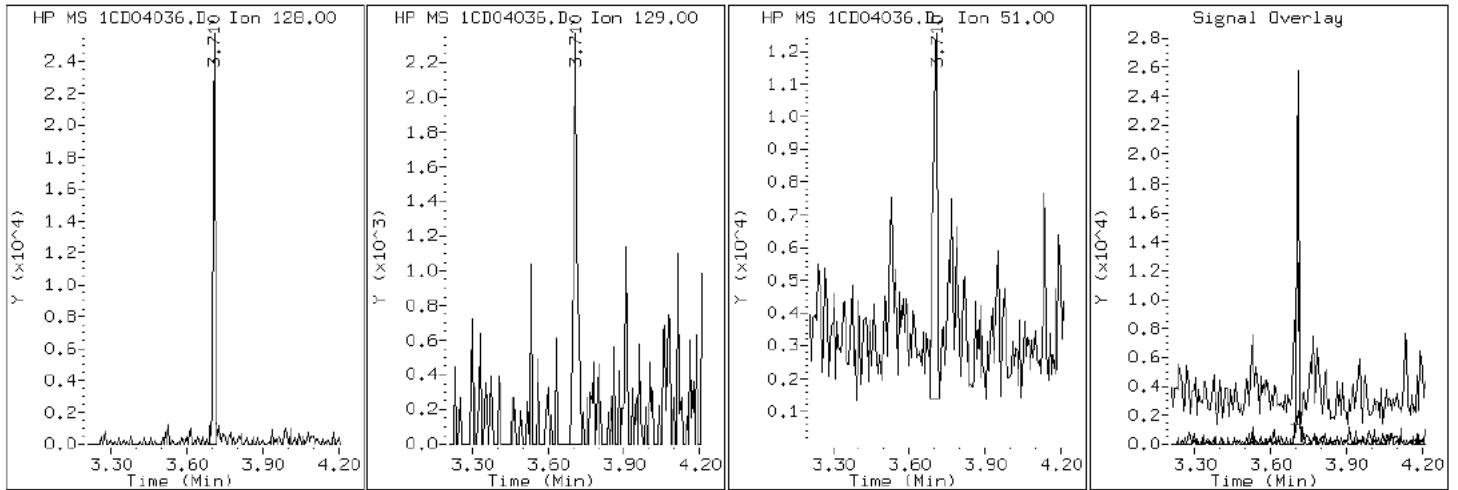
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

2 Naphthalene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

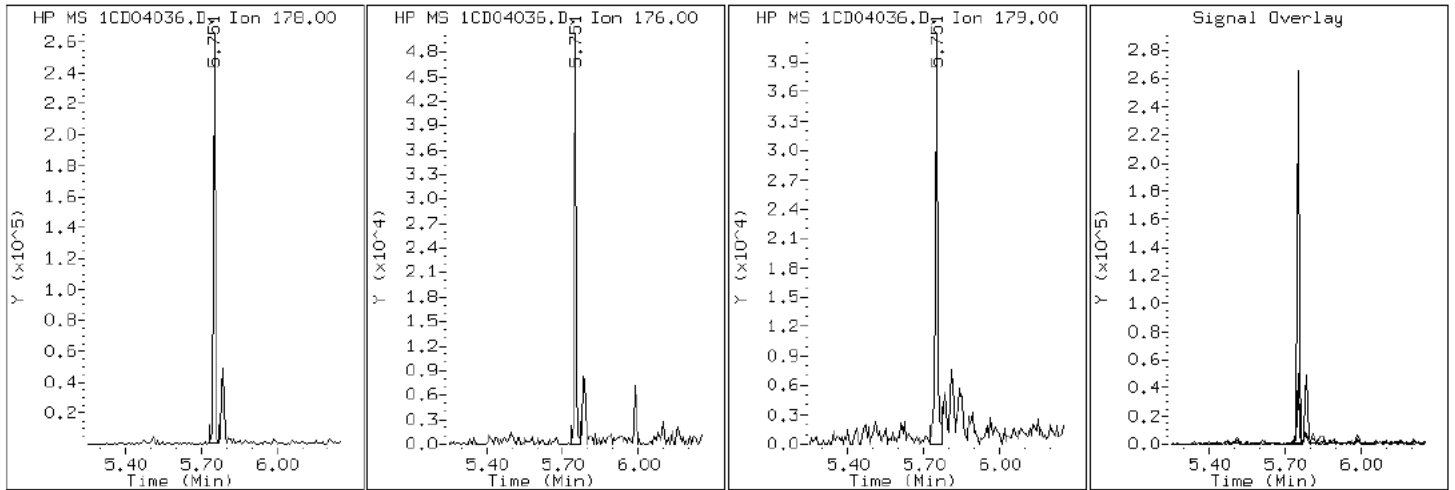
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

11 Phenanthrene



Data File: 1CD04036.D

Date: 04-APR-2013 21:56

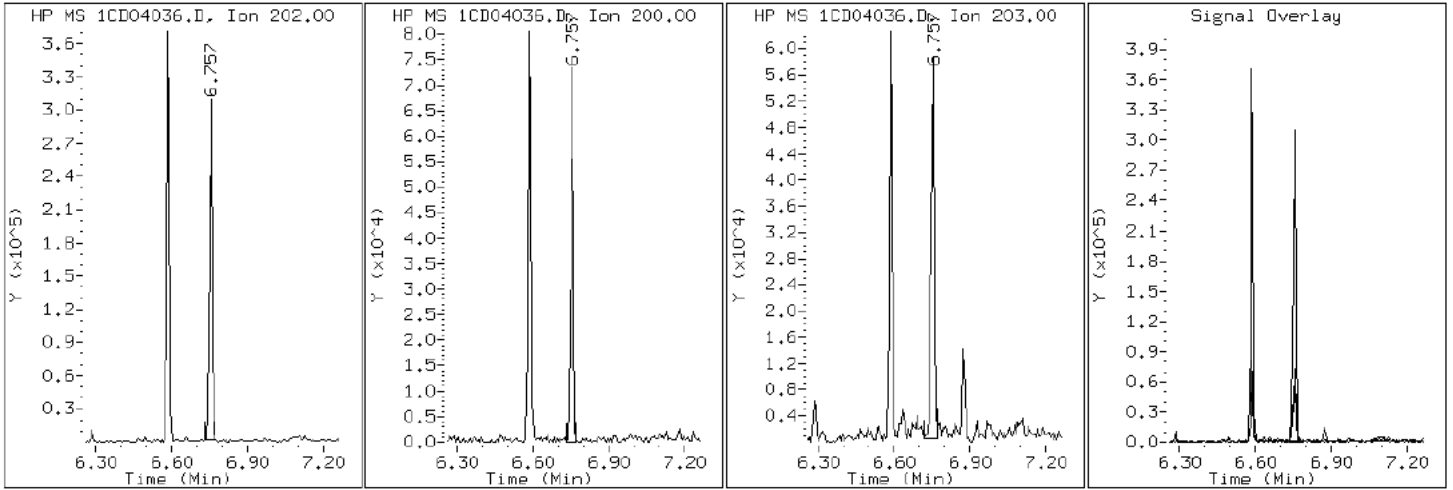
Client ID: CV05090-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-24-a

Operator: SCC

16 Pyrene

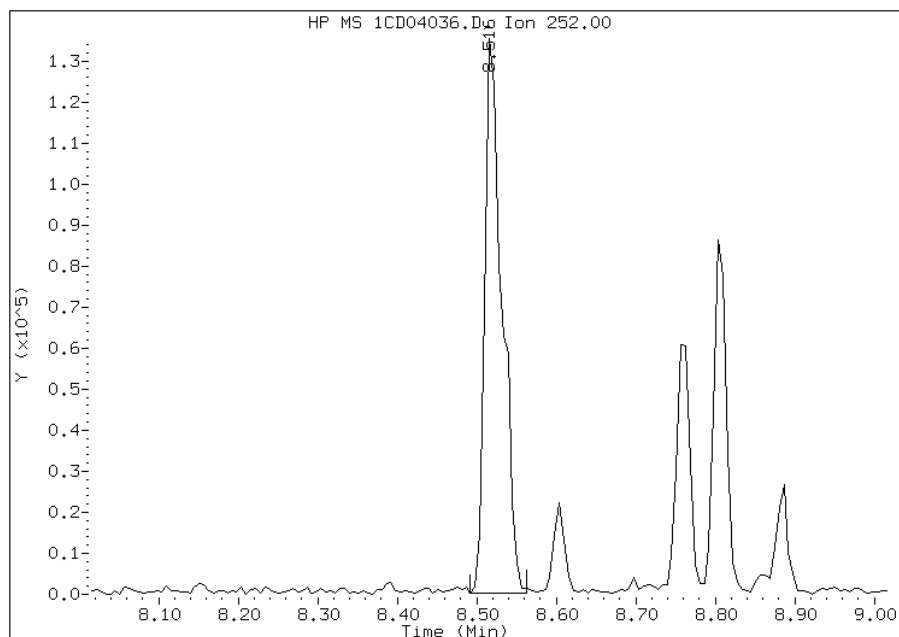


Manual Integration Report

Data File: 1CD04036.D
Inj. Date and Time: 04-APR-2013 21:56
Instrument ID: BSMC5973.i
Client ID: CV05090-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/05/2013

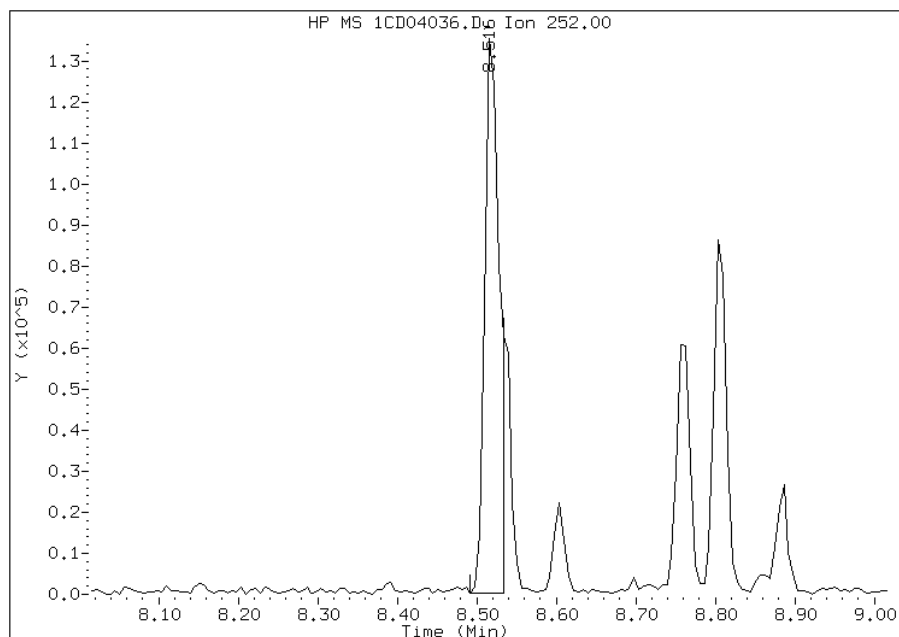
Processing Integration Results

RT: 8.52
Response: 204460
Amount: 9
Conc: 911



Manual Integration Results

RT: 8.52
Response: 172316
Amount: 8
Conc: 768



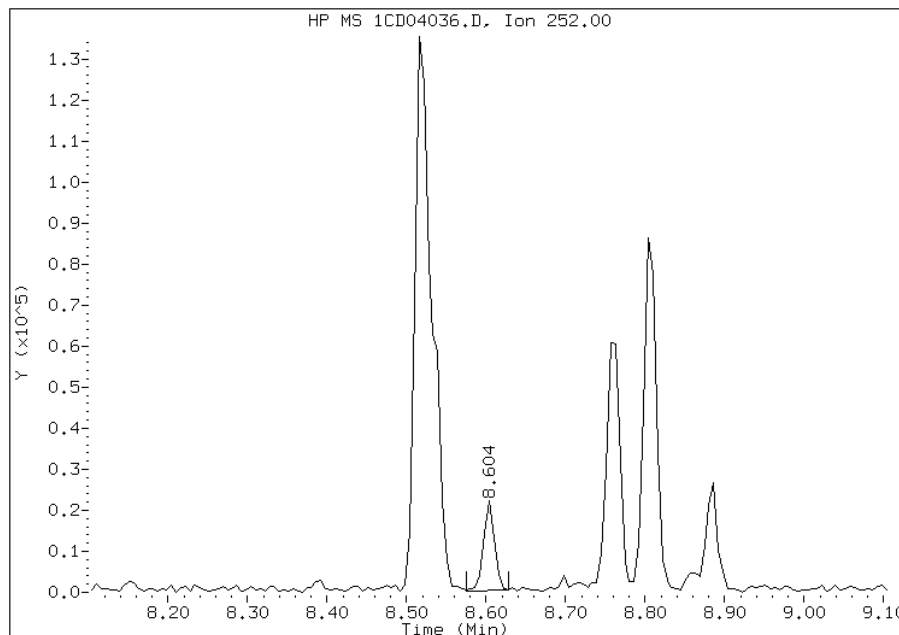
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:11
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD04036.D
Inj. Date and Time: 04-APR-2013 21:56
Instrument ID: BSMC5973.i
Client ID: CV05090-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/05/2013

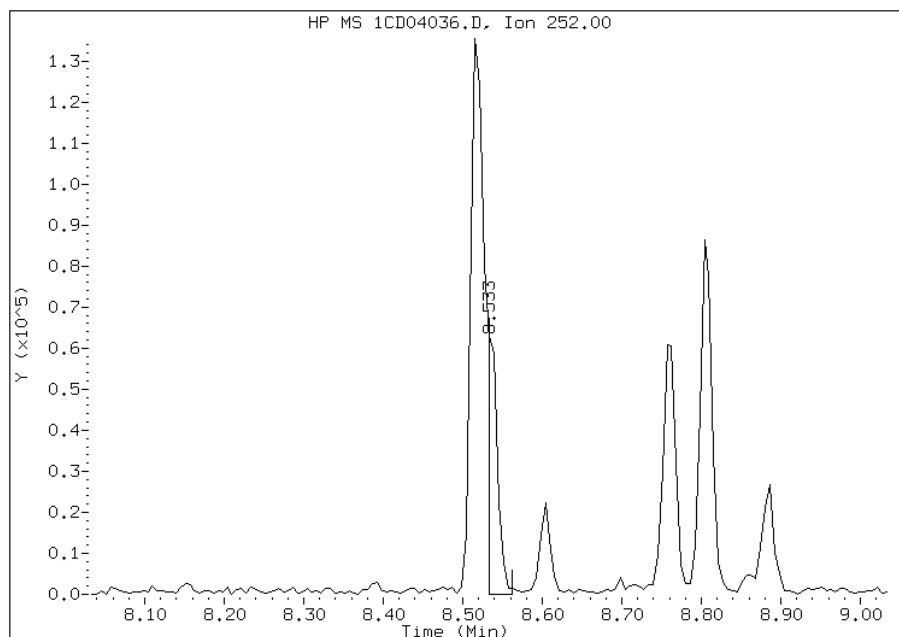
Processing Integration Results

RT: 8.60
Response: 20620
Amount: 1
Conc: 95



Manual Integration Results

RT: 8.53
Response: 54636
Amount: 3
Conc: 252



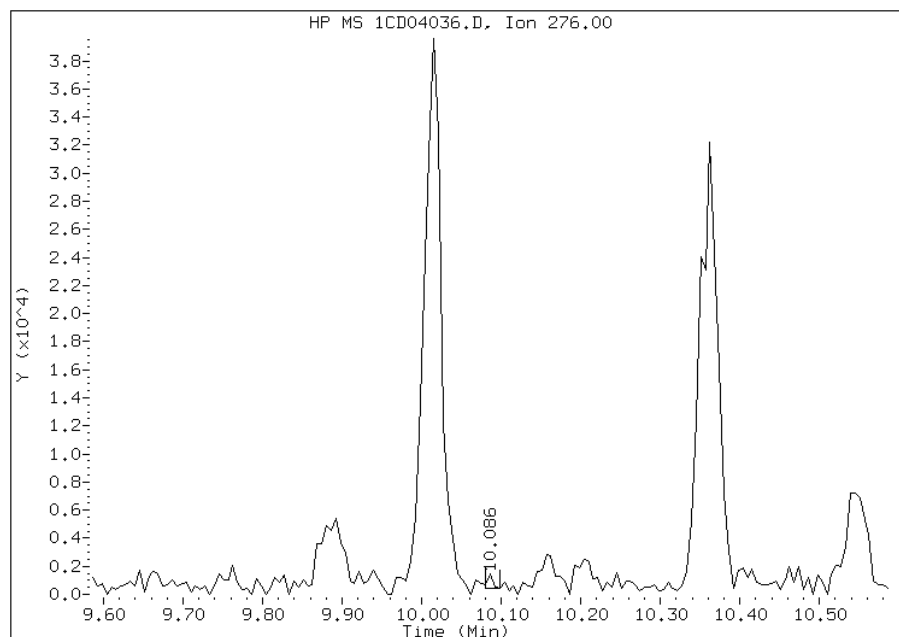
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:11
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04036.D
Inj. Date and Time: 04-APR-2013 21:56
Instrument ID: BSMC5973.i
Client ID: CV05090-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

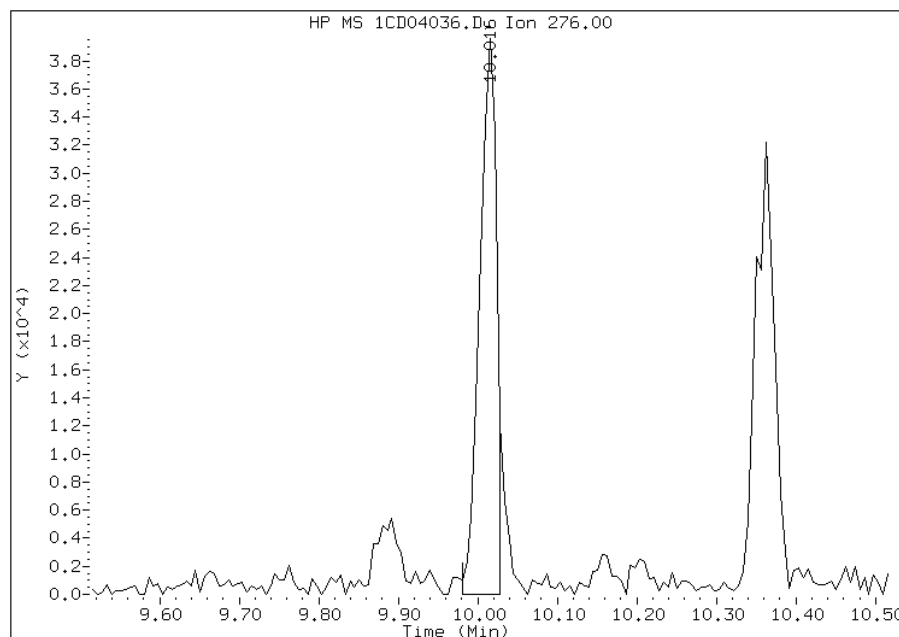
Processing Integration Results

RT: 10.09
Response: 481
Amount: 0
Conc: 2



Manual Integration Results

RT: 10.02
Response: 58210
Amount: 3
Conc: 290



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:11
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509P-CS Lab Sample ID: 680-88767-25
 Matrix: Solid Lab File ID: 1CD04037.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 12:30
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.01(g) Date Analyzed: 04/04/2013 22:14
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 37.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	47	J	160	32
208-96-8	Acenaphthylene	21	J	64	8.0
120-12-7	Anthracene	76		13	6.7
56-55-3	Benzo[a]anthracene	250		13	6.2
50-32-8	Benzo[a]pyrene	200		17	8.3
205-99-2	Benzo[b]fluoranthene	340		20	9.8
191-24-2	Benzo[g,h,i]perylene	160		32	7.0
207-08-9	Benzo[k]fluoranthene	110		13	5.8
218-01-9	Chrysene	240		14	7.2
53-70-3	Dibenz(a,h)anthracene	49		32	6.6
206-44-0	Fluoranthene	470		32	6.4
86-73-7	Fluorene	32		32	6.6
193-39-5	Indeno[1,2,3-cd]pyrene	140		32	11
90-12-0	1-Methylnaphthalene	61	J	64	7.0
91-57-6	2-Methylnaphthalene	51	J	64	11
91-20-3	Naphthalene	55	J	64	7.0
85-01-8	Phenanthrene	320		13	6.2
129-00-0	Pyrene	370		32	5.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	66		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04037.D
 Lab Smp Id: 680-88767-A-25-A Client Smp ID: CV0509P-CS
 Inj Date : 04-APR-2013 22:14
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-25-a
 Misc Info : 680-88767-A-25-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 37
 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	15.010	Weight Extracted
M	37.482	% 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		3.698	3.692	(1.000)	529158	40.0000	
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	412203	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	808092	40.0000	
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	77661	6.61325	704.7383
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	897558	40.0000	
* 23 Perylene-d12	264		8.862	8.886	(1.000)	826113	40.0000	(H)
2 Naphthalene	128		3.710	3.710	(1.003)	6955	0.51172	54.5316
3 2-Methylnaphthalene	142		4.133	4.133	(1.118)	4438	0.47969	51.1179
4 1-Methylnaphthalene	142		4.198	4.198	(1.135)	4803	0.57695	61.4822
5 Acenaphthylene	152		4.698	4.698	(0.982)	3336	0.19554	20.8381
7 Acenaphthene	154		4.804	4.804	(1.004)	4692	0.44405	47.3196
9 Fluorene	166		5.127	5.127	(1.071)	4194	0.29774	31.7284
11 Phenanthrene	178		5.751	5.751	(1.003)	71304	3.02965	322.8535
12 Anthracene	178		5.786	5.786	(1.009)	17000	0.71255	75.9326

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	11737	0.57421	61.1906
15 Fluoranthene	202	6.586	6.592	(1.149)	114282	4.39683	468.5470
16 Pyrene	202	6.757	6.763	(0.880)	86874	3.49410	372.3476
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	58427	2.38224	253.8629
19 Chrysene	228	7.698	7.710	(1.002)	57831	2.26110	240.9533
20 Benzo(b)fluoranthene	252	8.515	8.533	(0.961)	74039	3.17017	337.8278(H)
21 Benzo(k)fluoranthene	252	8.539	8.557	(0.963)	23710	1.04965	111.8559(H)
22 Benzo(a)pyrene	252	8.803	8.827	(0.993)	42014	1.91076	203.6194(H)
24 Indeno(1,2,3-cd)pyrene	276	10.015	10.056	(1.130)	26541	1.27084	135.4271(MH)
25 Dibenzo(a,h)anthracene	278	10.033	10.074	(1.132)	8961	0.46448	49.4975(H)
26 Benzo(g,h,i)perylene	276	10.356	10.415	(1.169)	32839	1.54064	164.1778(H)

QC Flag Legend

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

Data File: 1CD04037.D

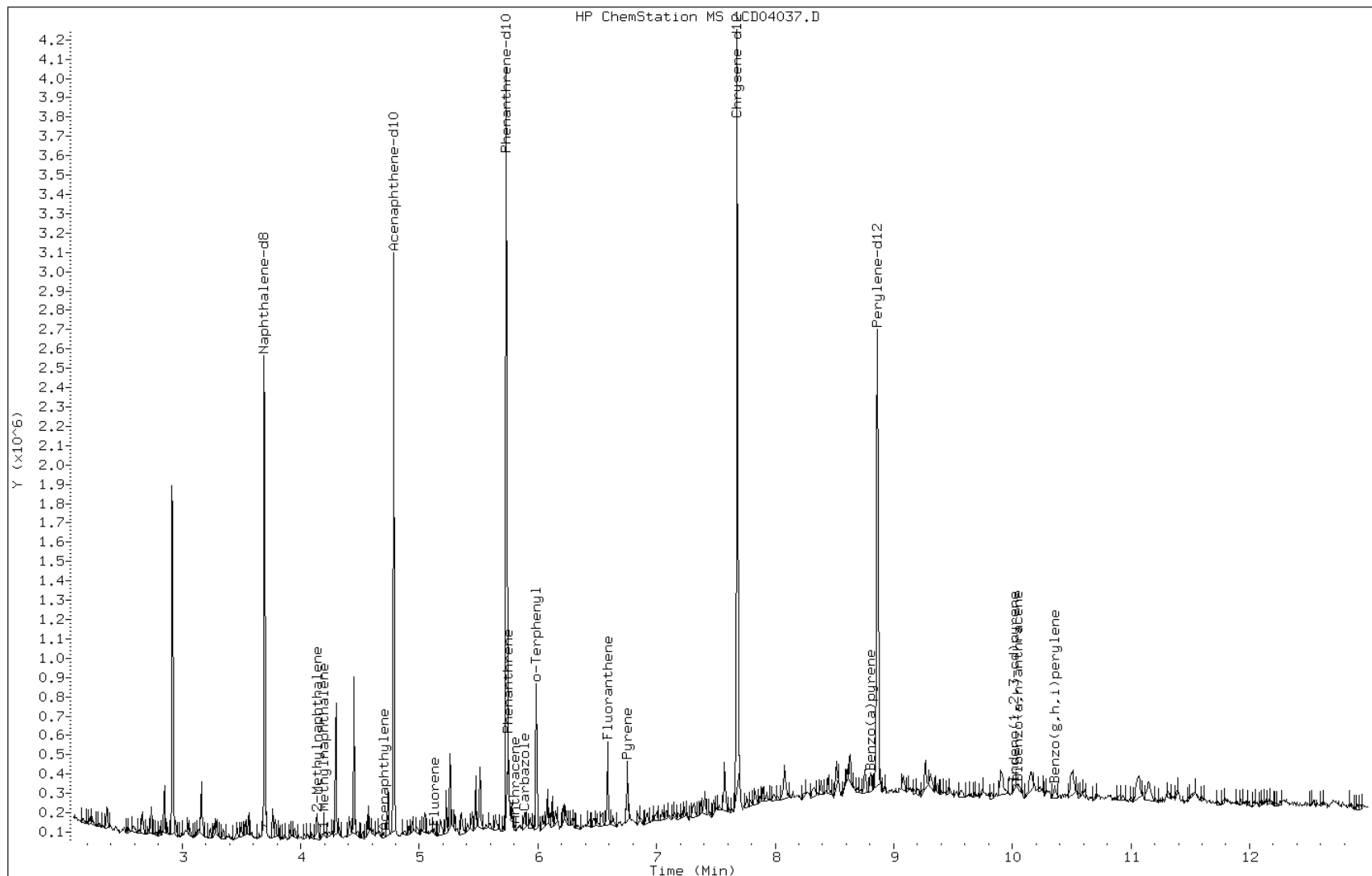
Date: 04-APR-2013 22:14

Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

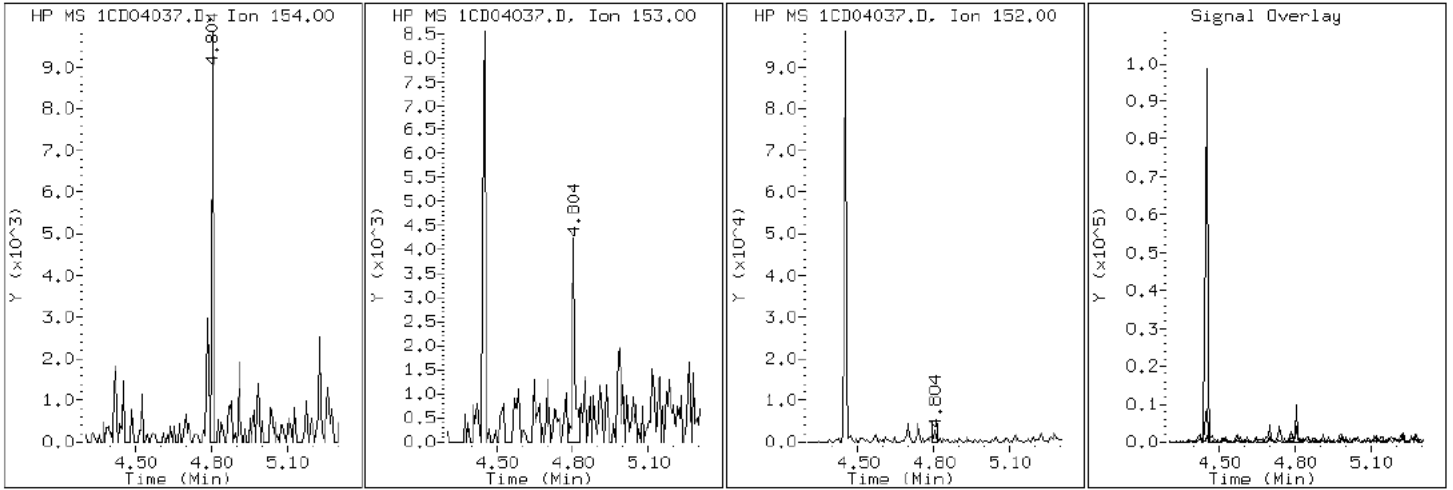
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

7 Acenaphthene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

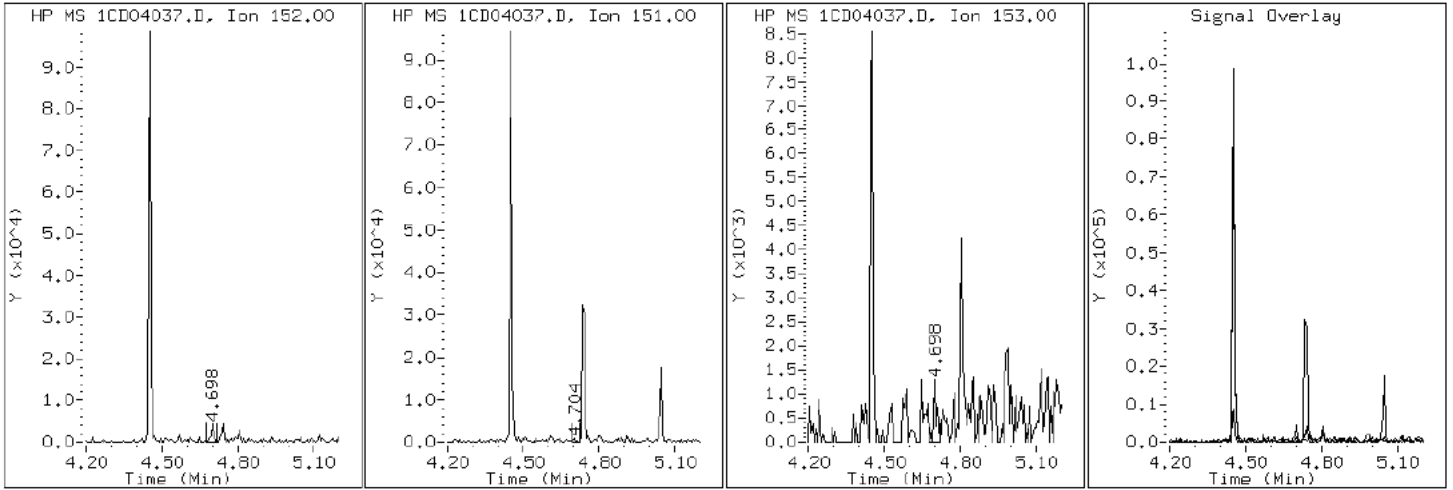
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

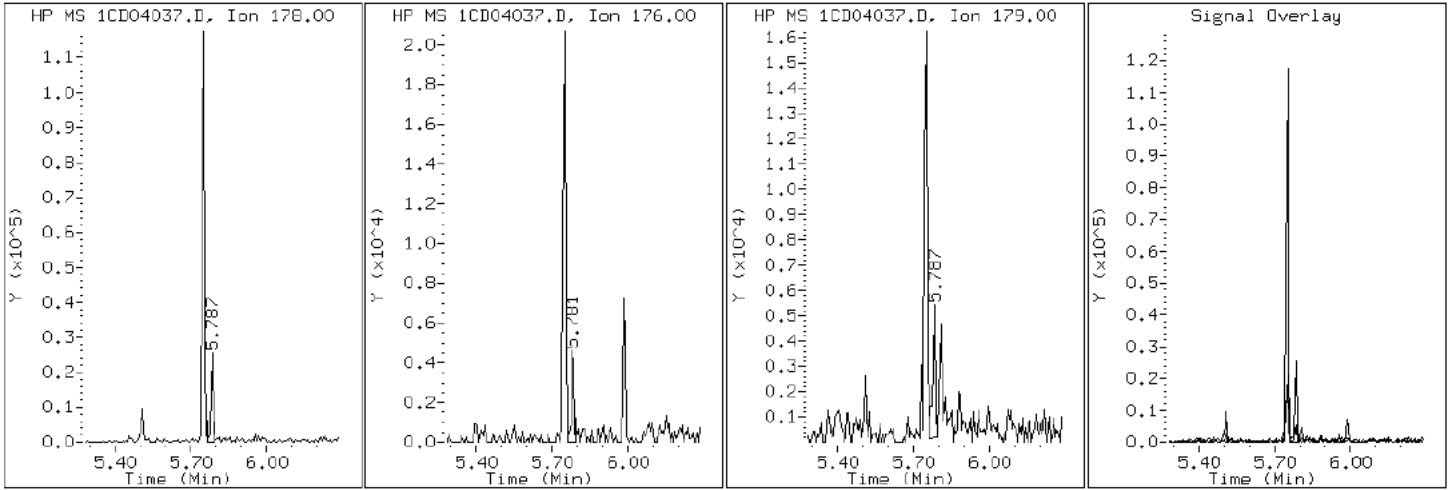
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

12 Anthracene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

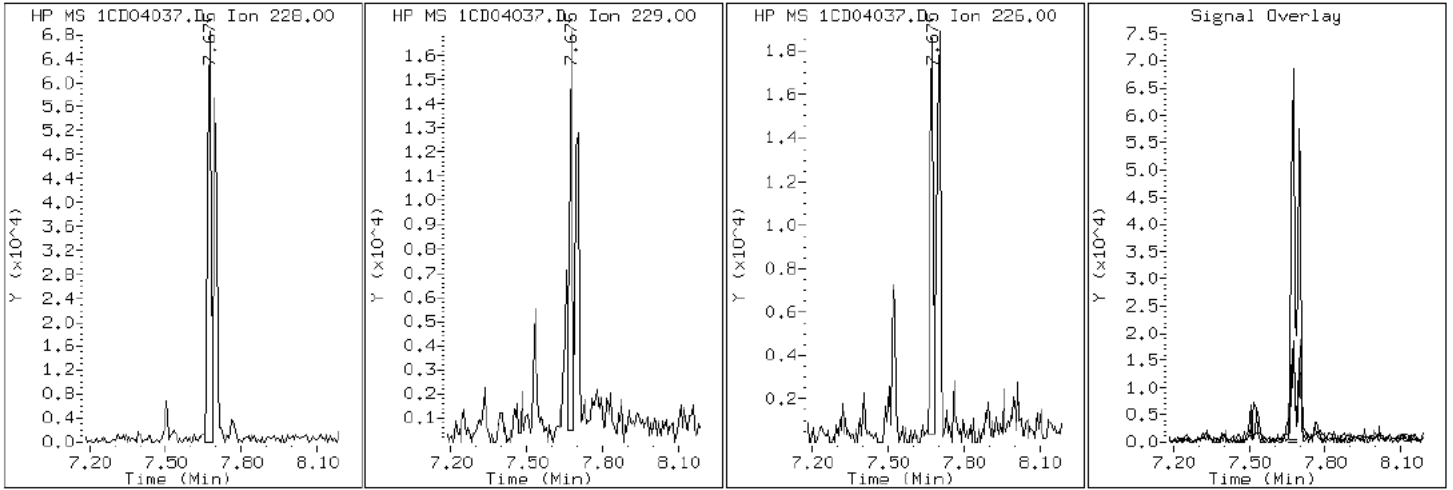
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

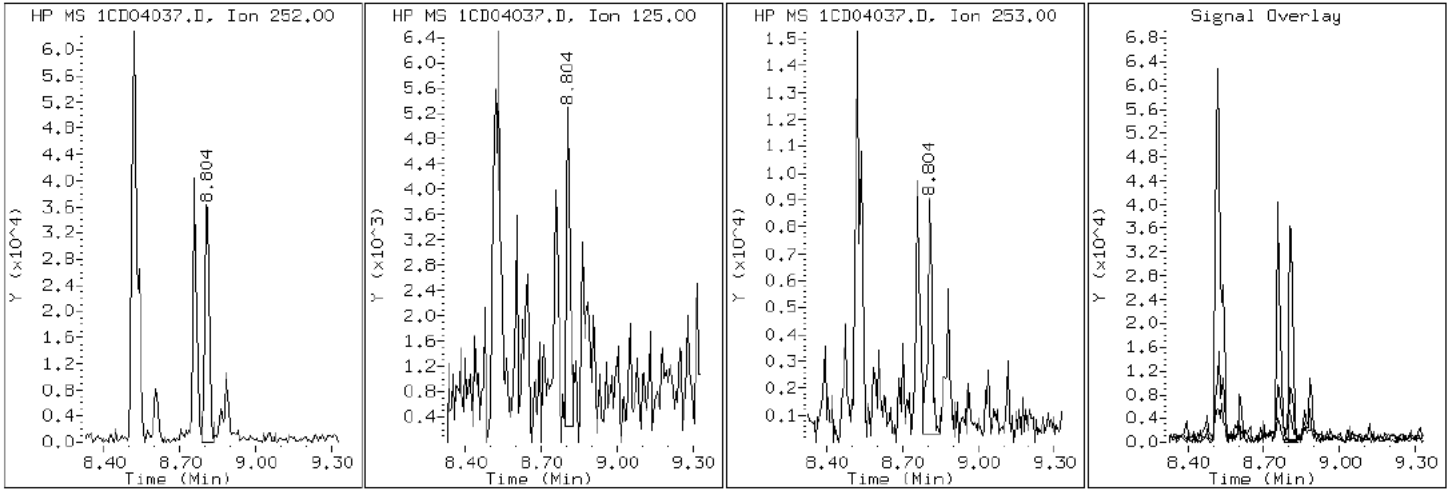
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

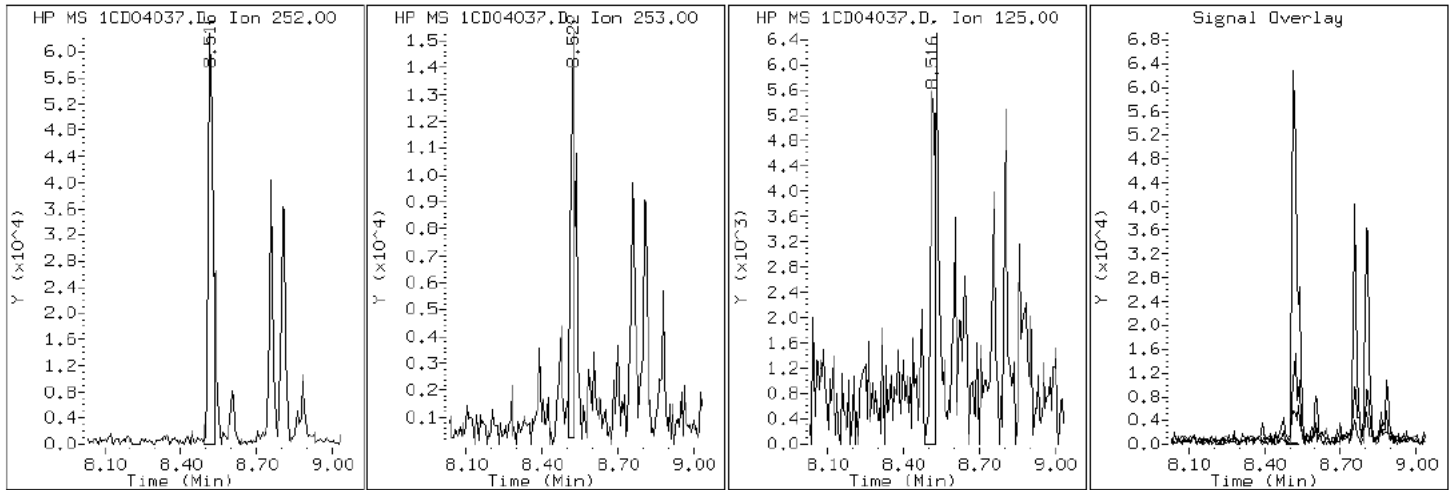
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

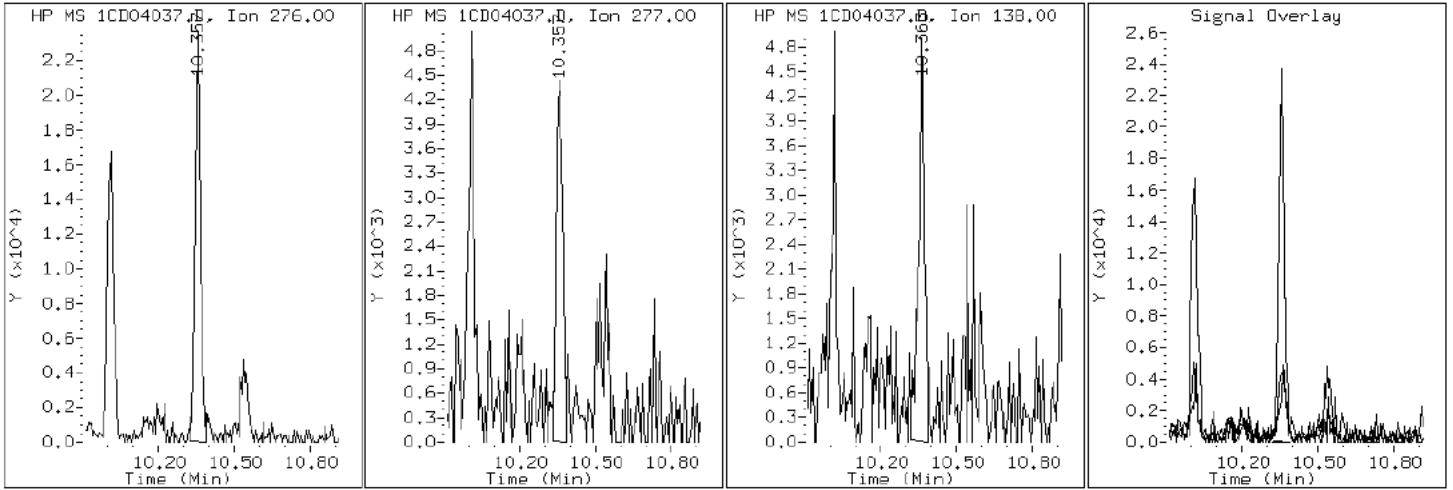
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

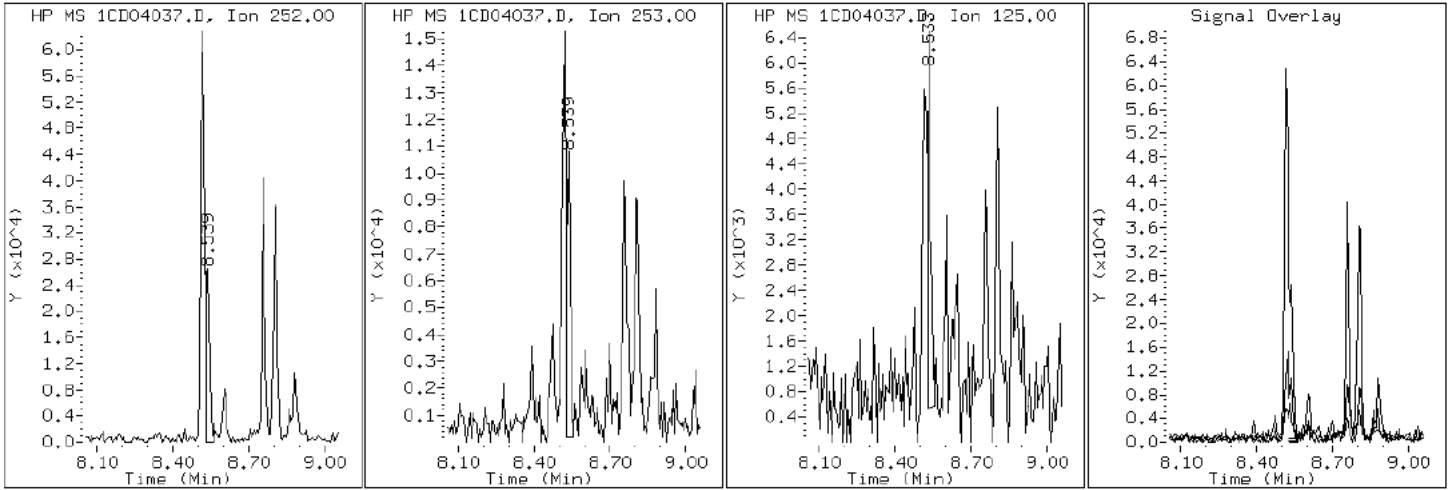
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

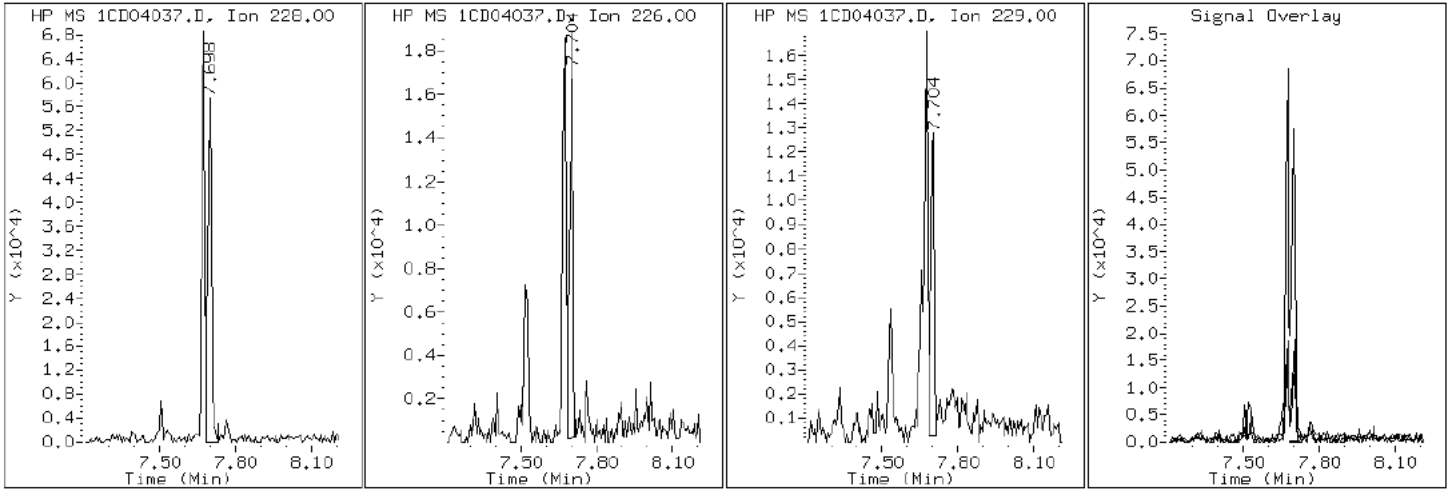
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

19 Chrysene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

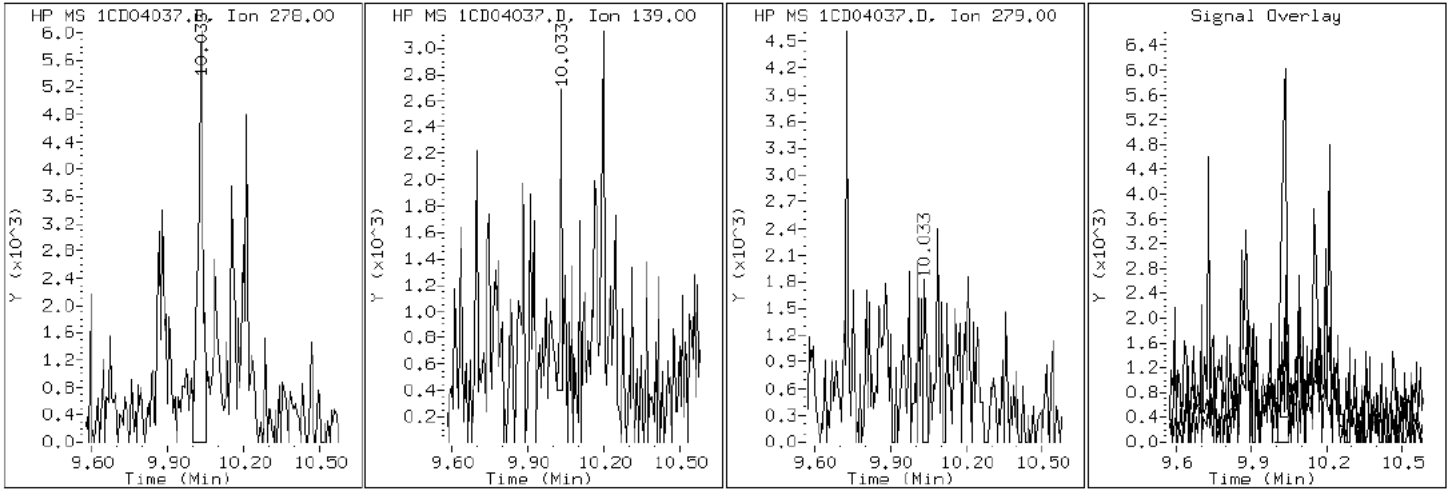
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

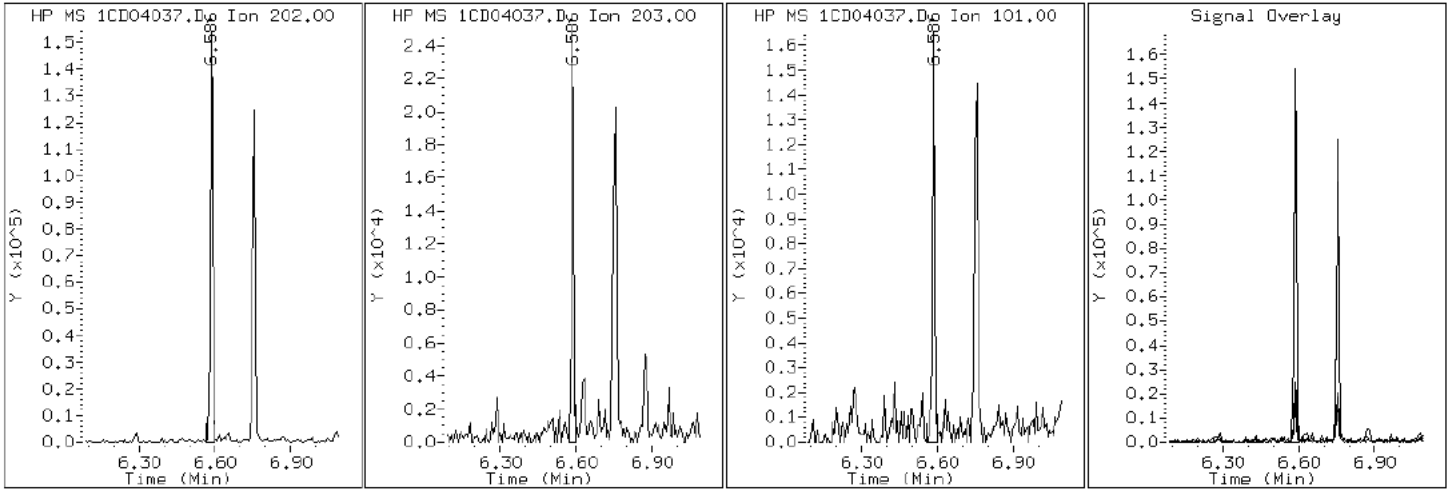
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

15 Fluoranthene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

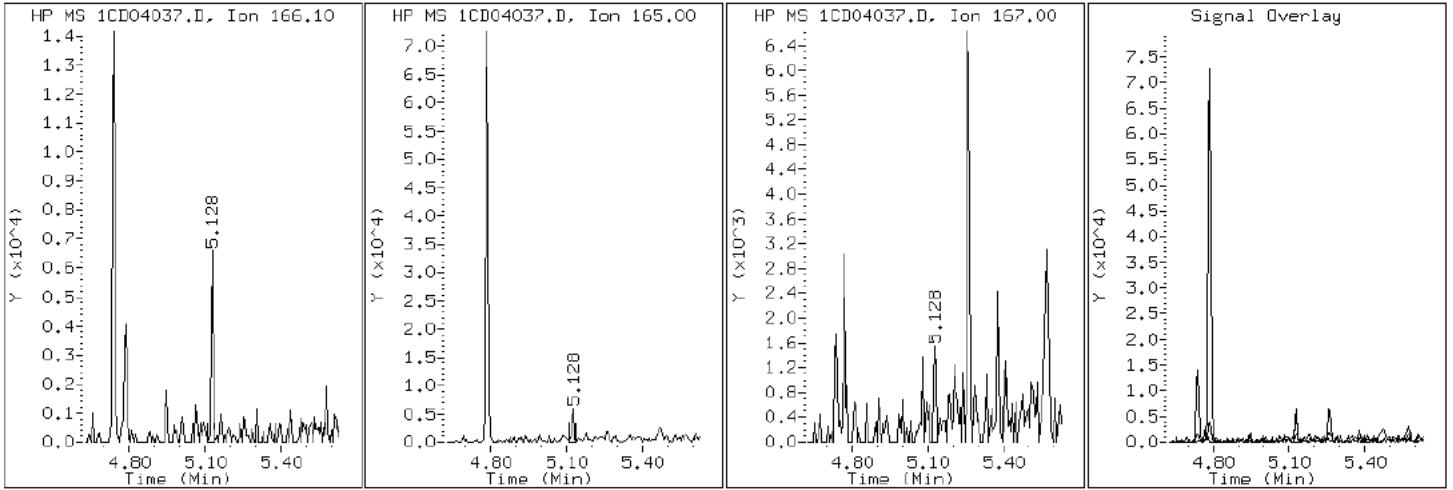
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

9 Fluorene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

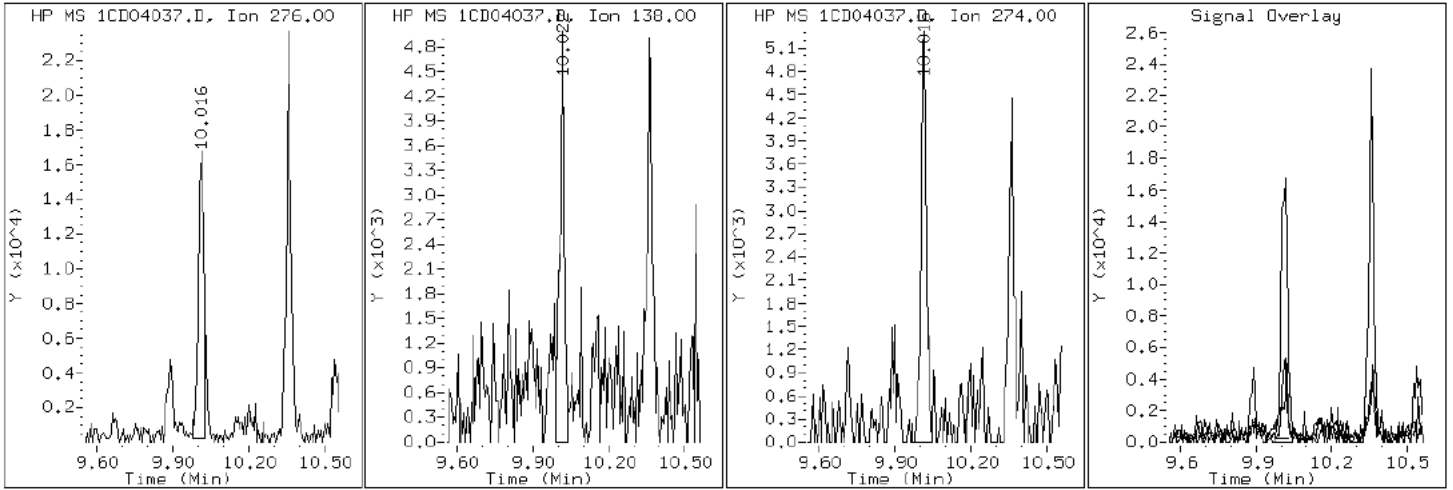
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

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



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

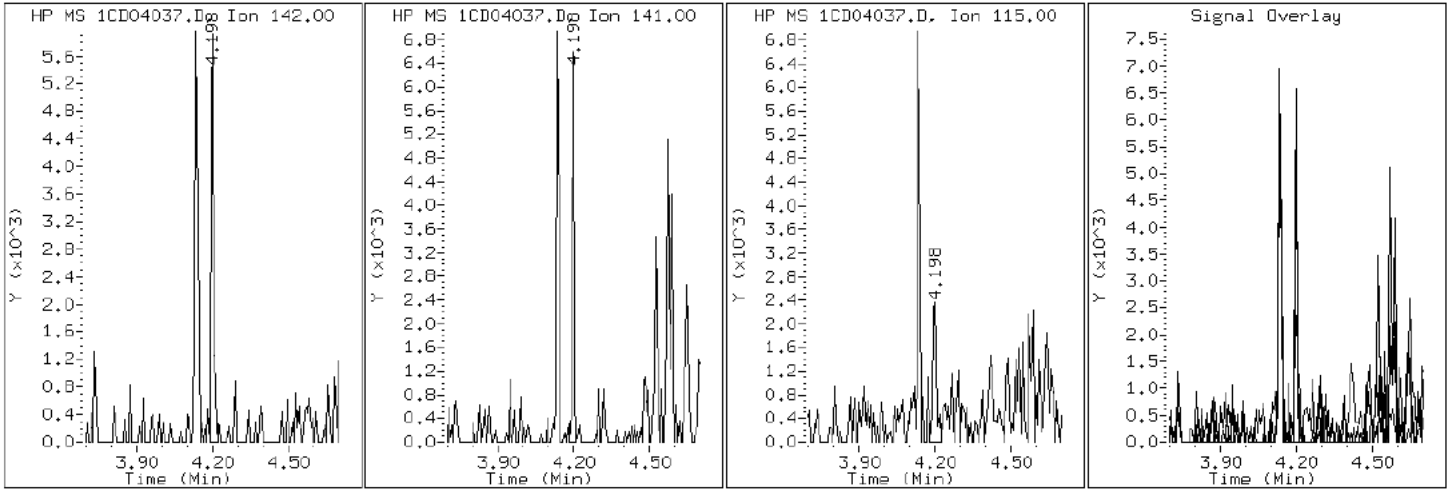
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

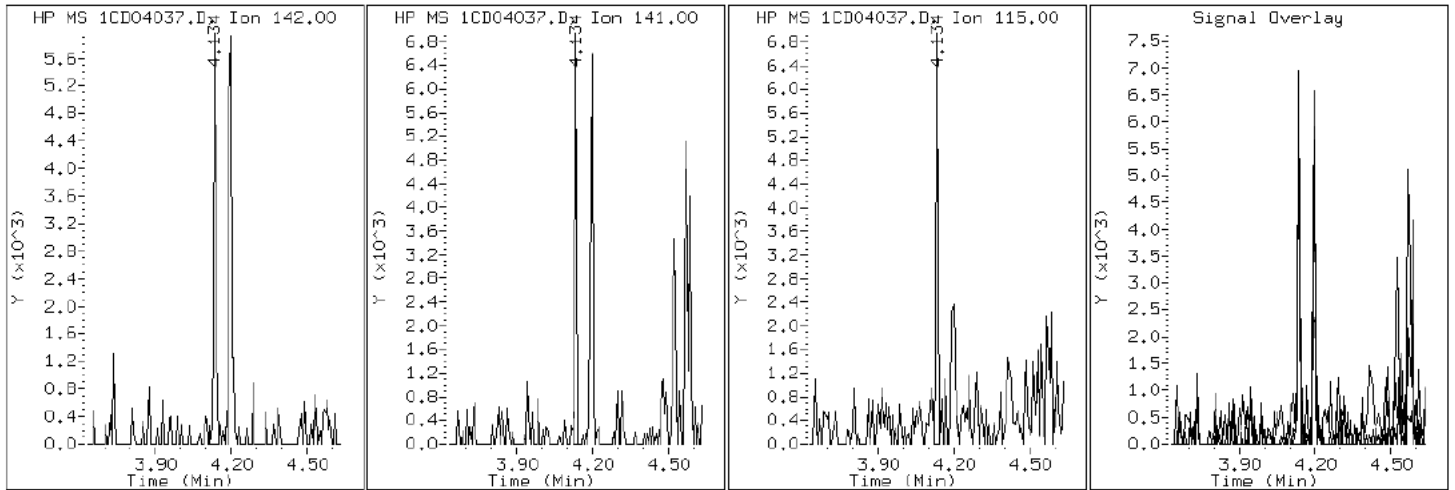
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

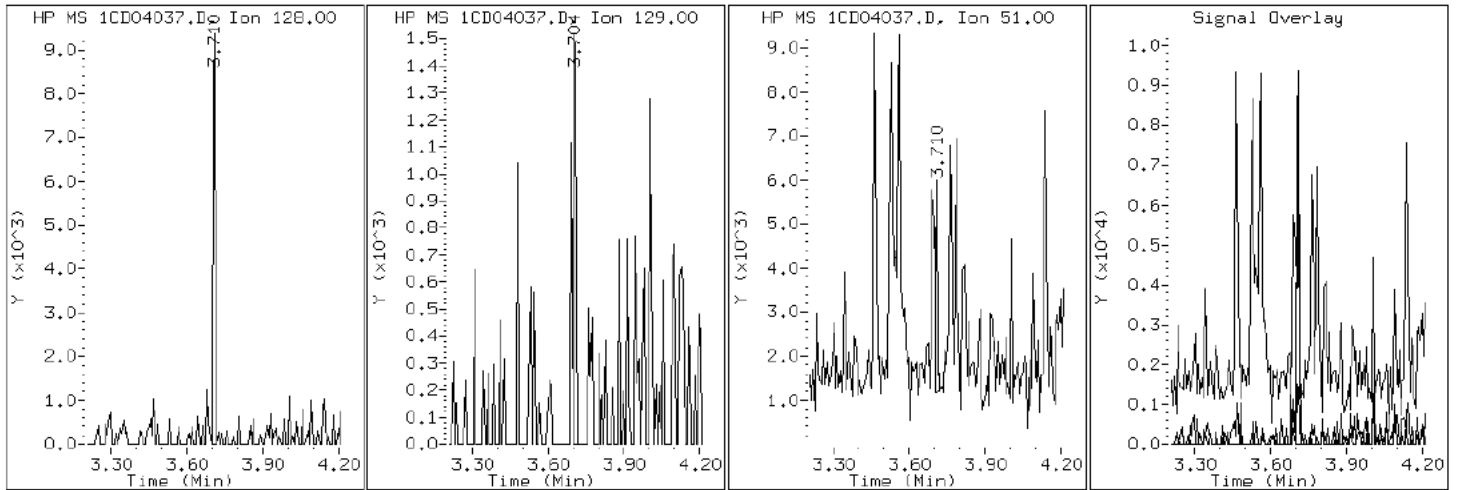
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

2 Naphthalene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

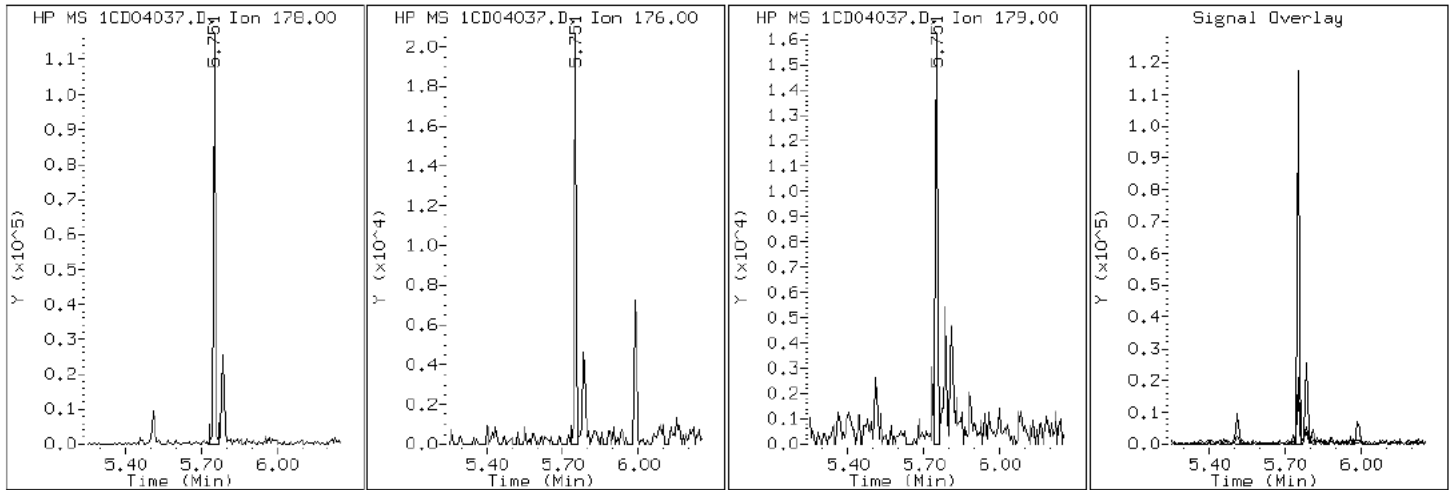
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

11 Phenanthrene



Data File: 1CD04037.D

Date: 04-APR-2013 22:14

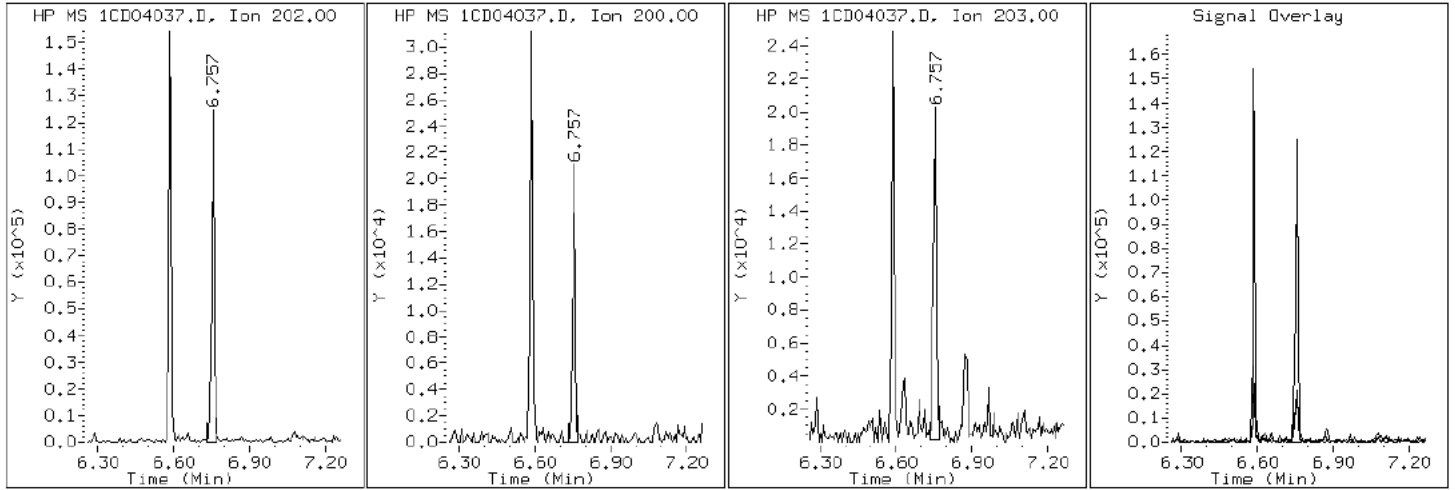
Client ID: CV0509P-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-25-a

Operator: SCC

16 Pyrene

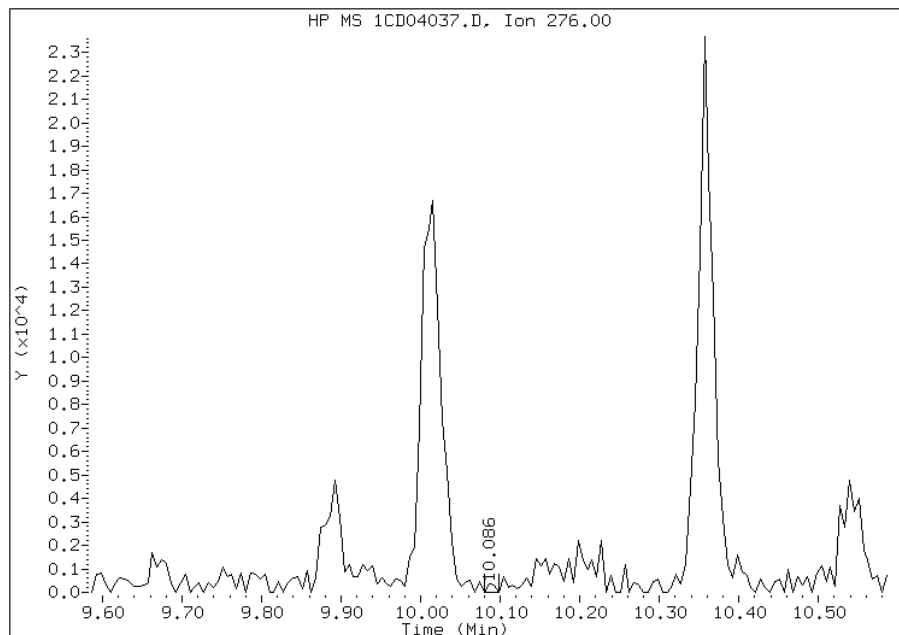


Manual Integration Report

Data File: 1CD04037.D
Inj. Date and Time: 04-APR-2013 22:14
Instrument ID: BSMC5973.i
Client ID: CV0509P-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

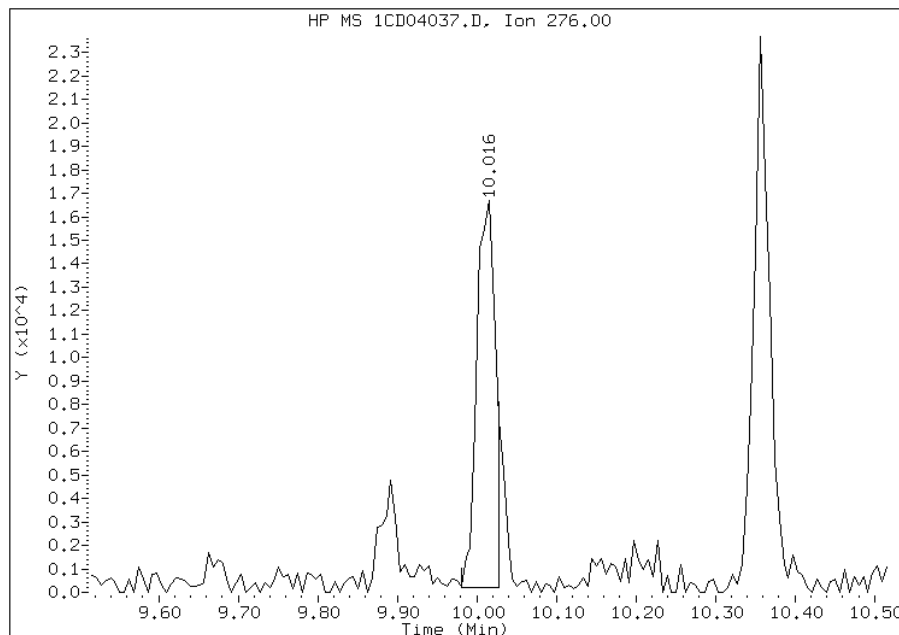
Processing Integration Results

RT: 10.09
Response: 236
Amount: 0
Conc: 1



Manual Integration Results

RT: 10.02
Response: 26541
Amount: 1
Conc: 135



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:13
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509Q-CS Lab Sample ID: 680-88767-26
 Matrix: Solid Lab File ID: 1CD04038.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:00
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.01(g) Date Analyzed: 04/04/2013 22:33
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 28.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	28
208-96-8	Acenaphthylene	56	U	56	7.0
120-12-7	Anthracene	11	J	12	5.9
56-55-3	Benzo[a]anthracene	86		11	5.4
50-32-8	Benzo[a]pyrene	62		15	7.3
205-99-2	Benzo[b]fluoranthene	93		17	8.5
191-24-2	Benzo[g,h,i]perylene	43		28	6.1
207-08-9	Benzo[k]fluoranthene	24		11	5.0
218-01-9	Chrysene	77		13	6.3
53-70-3	Dibenz(a,h)anthracene	8.6	J	28	5.7
206-44-0	Fluoranthene	110		28	5.6
86-73-7	Fluorene	6.9	J	28	5.7
193-39-5	Indeno[1,2,3-cd]pyrene	42		28	9.9
90-12-0	1-Methylnaphthalene	16	J	56	6.1
91-57-6	2-Methylnaphthalene	22	J	56	9.9
91-20-3	Naphthalene	25	J	56	6.1
85-01-8	Phenanthrene	69		11	5.4
129-00-0	Pyrene	110		28	5.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	62		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04038.D
 Lab Smp Id: 680-88767-A-26-A Client Smp ID: CV0509Q-CS
 Inj Date : 04-APR-2013 22:33
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-26-a
 Misc Info : 680-88767-A-26-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 38
 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	15.010	Weight Extracted
M	28.348	% 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		3.698	3.692	(1.000)	531805	40.0000		
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	414646	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	818599	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	73686	6.24018	580.2154	
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	910308	40.0000		
* 23 Perylene-d12	264		8.857	8.886	(1.000)	878863	40.0000	(H)	
2 Naphthalene	128		3.710	3.710	(1.003)	3728	0.27293	25.3769(Q)	
3 2-Methylnaphthalene	142		4.133	4.133	(1.118)	2178	0.23424	21.7798	
4 1-Methylnaphthalene	142		4.198	4.198	(1.135)	1427	0.17056	15.8589(Q)	
9 Fluorene	166		5.121	5.127	(1.070)	1059	0.07474	6.9491(Q)	
11 Phenanthrene	178		5.751	5.751	(1.003)	17717	0.74312	69.0956	
12 Anthracene	178		5.780	5.786	(1.008)	2862	0.11842	11.0107	
13 Carbazole	167		5.892	5.898	(1.028)	3143	0.15179	14.1137(Q)	
15 Fluoranthene	202		6.586	6.592	(1.149)	31499	1.19632	111.2348	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
16 Pyrene	202	6.757	6.763	(0.880)	30111	1.19411	111.0292
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	20960	0.93029	86.4986
19 Chrysene	228	7.698	7.710	(1.002)	21448	0.82684	76.8798
20 Benzo(b)fluoranthene	252	8.515	8.533	(0.961)	24745	0.99593	92.6018(H)
21 Benzo(k)fluoranthene	252	8.539	8.557	(0.964)	6170	0.25675	23.8731(QH)
22 Benzo(a)pyrene	252	8.804	8.827	(0.994)	15663	0.66958	62.2583(H)
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.056	(1.130)	10092	0.45422	42.2340(MH)
25 Dibenzo(a,h)anthracene	278	10.021	10.074	(1.131)	1889	0.09204	8.5576(QMH)
26 Benzo(g,h,i)perylene	276	10.356	10.415	(1.169)	10530	0.46436	43.1767(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: 1CD04038.D

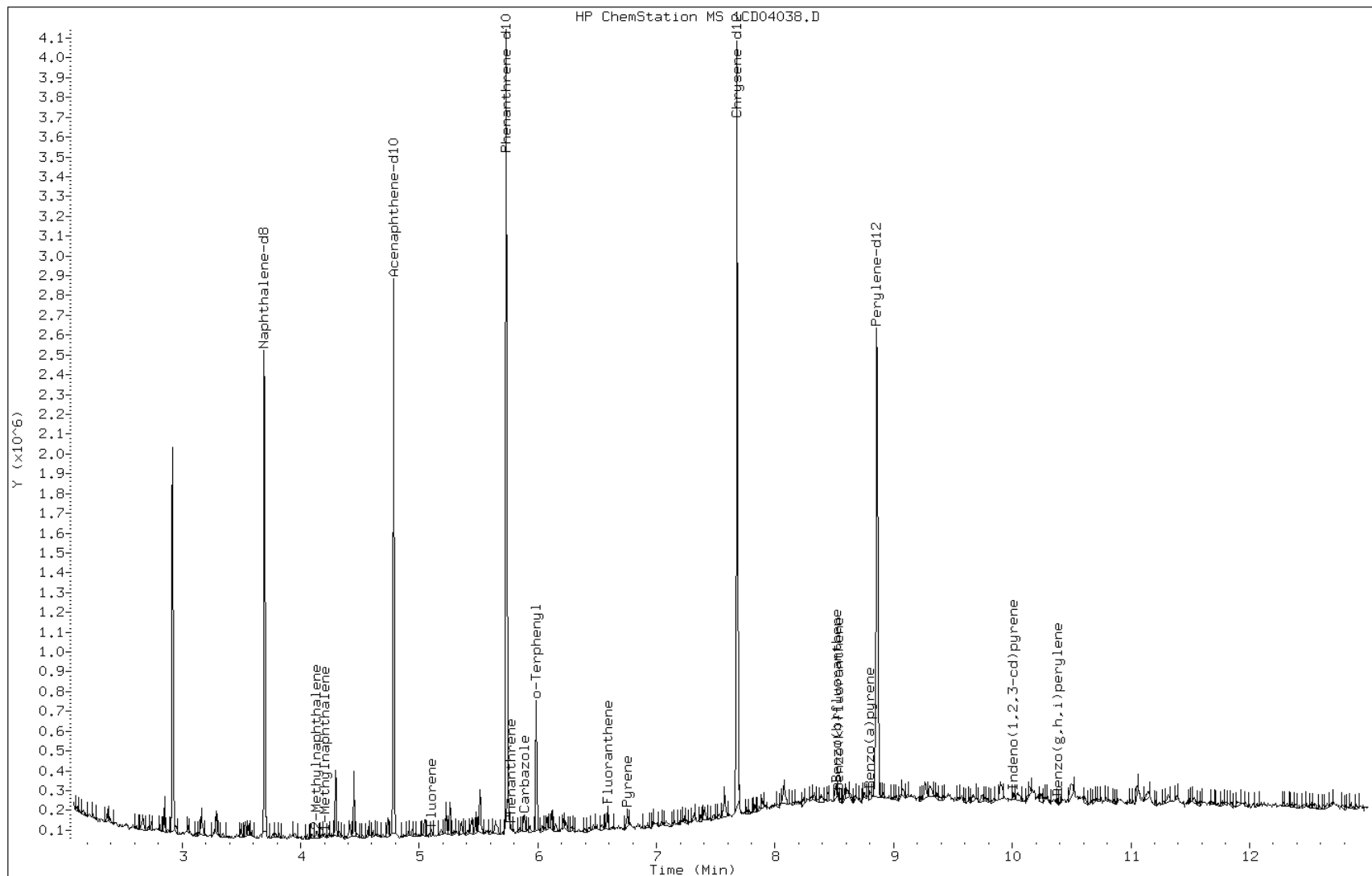
Date: 04-APR-2013 22:33

Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

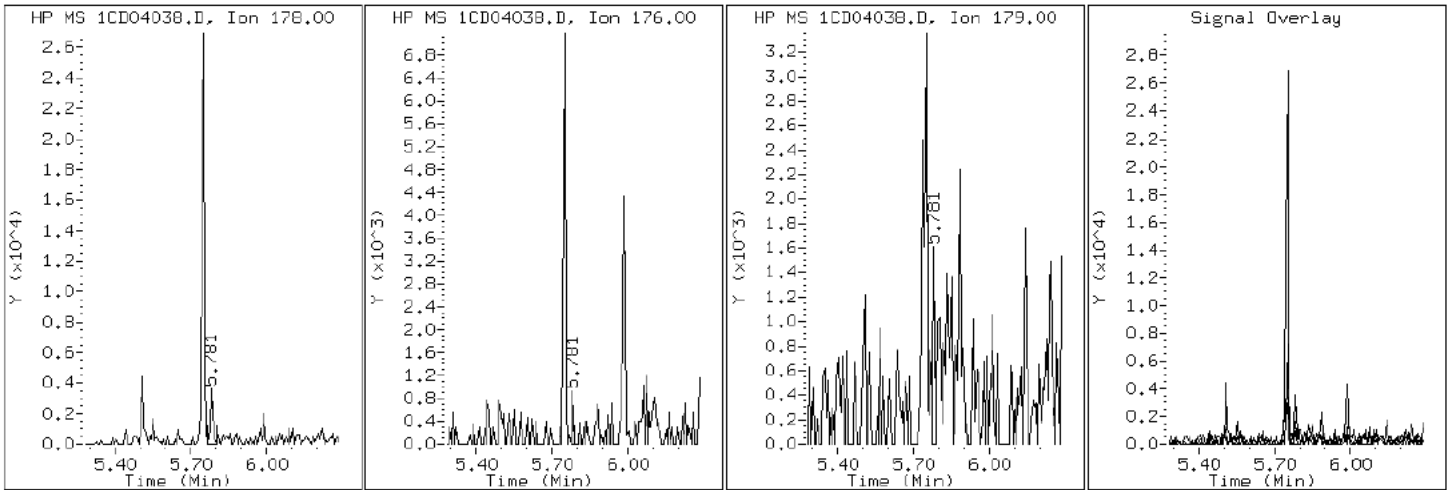
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

12 Anthracene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

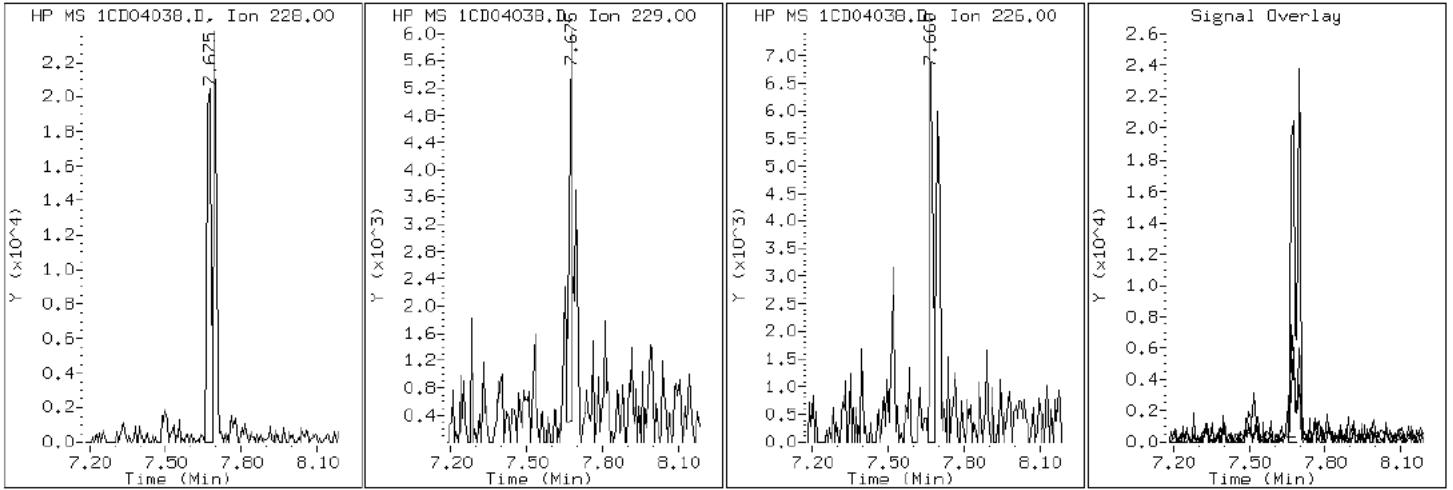
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

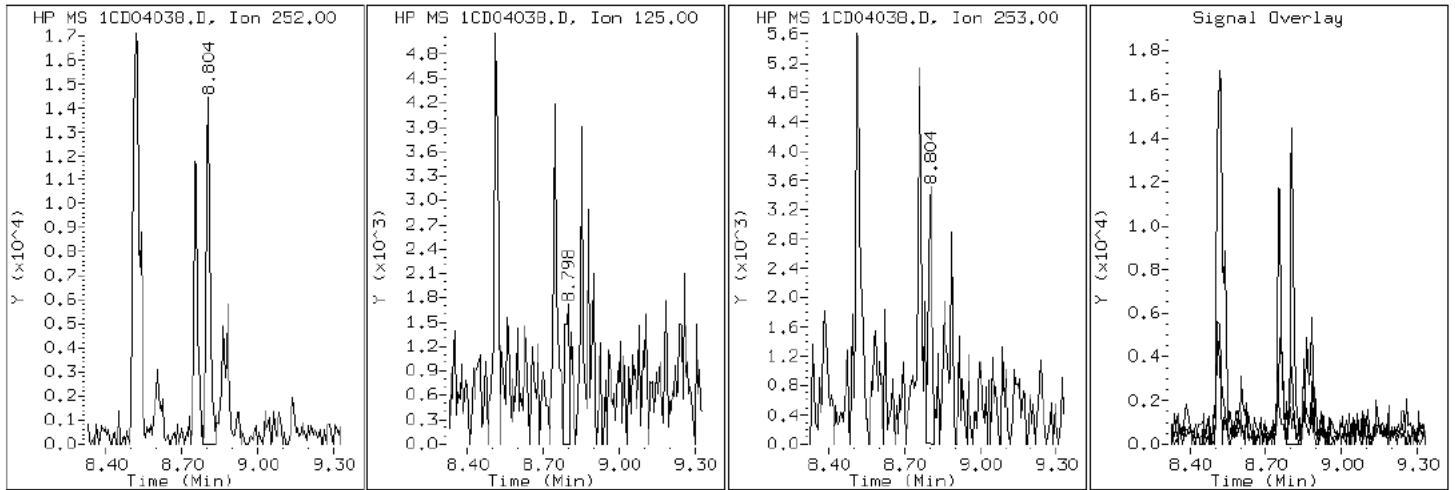
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

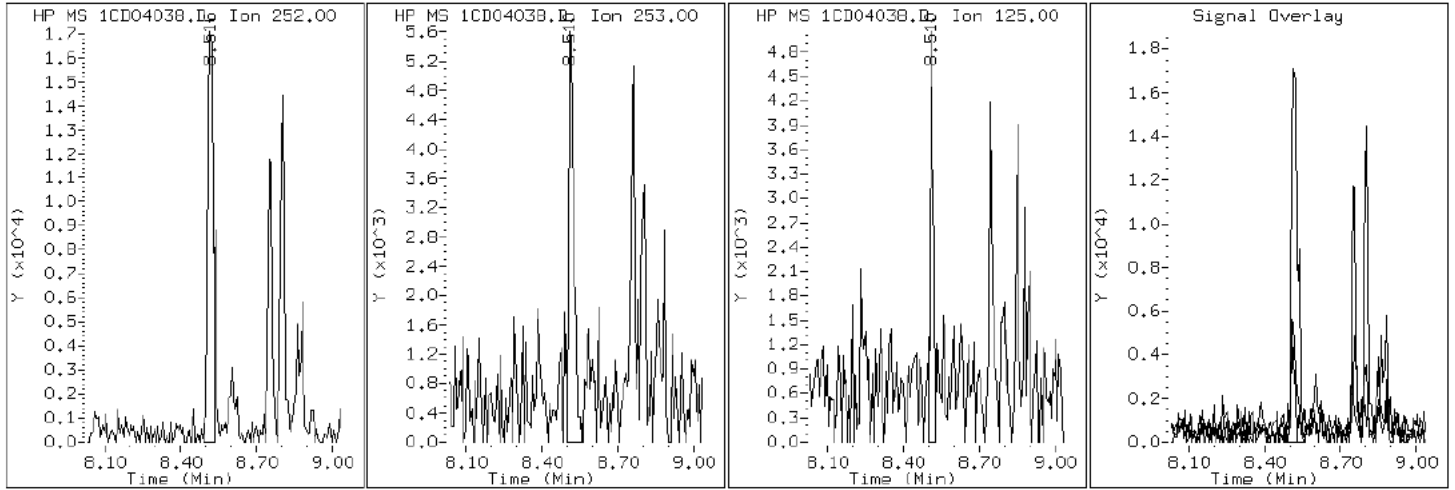
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

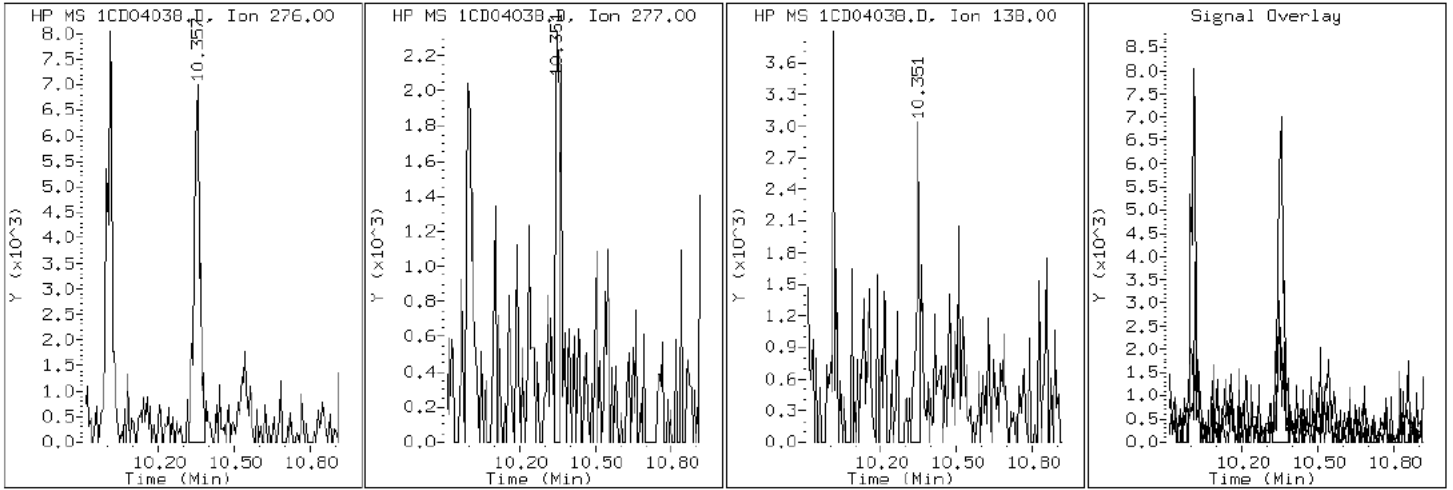
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

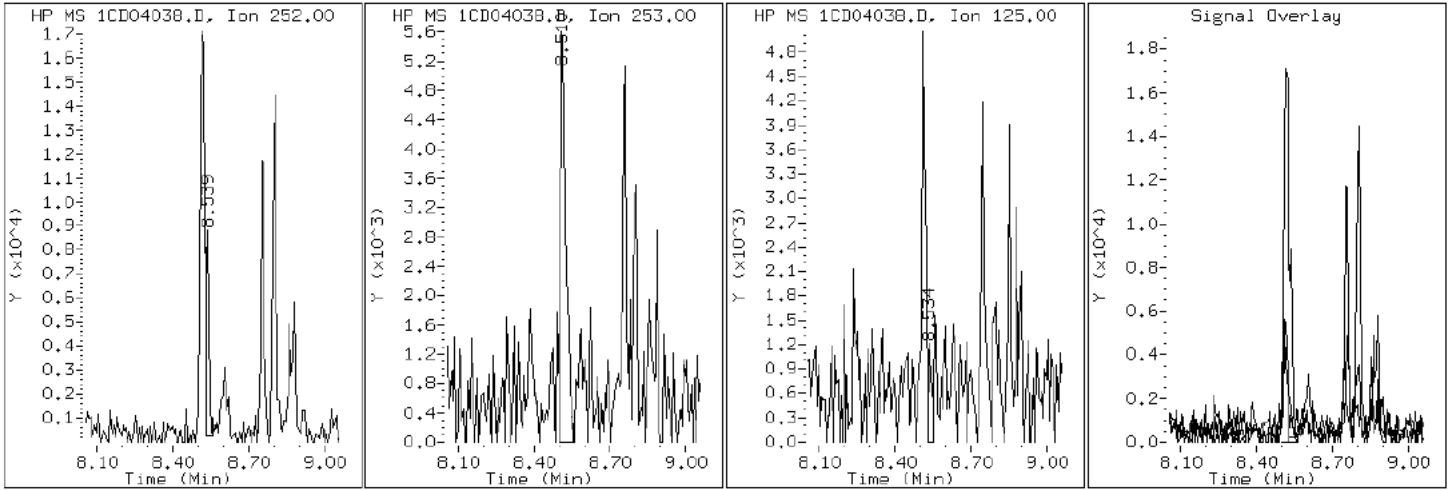
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

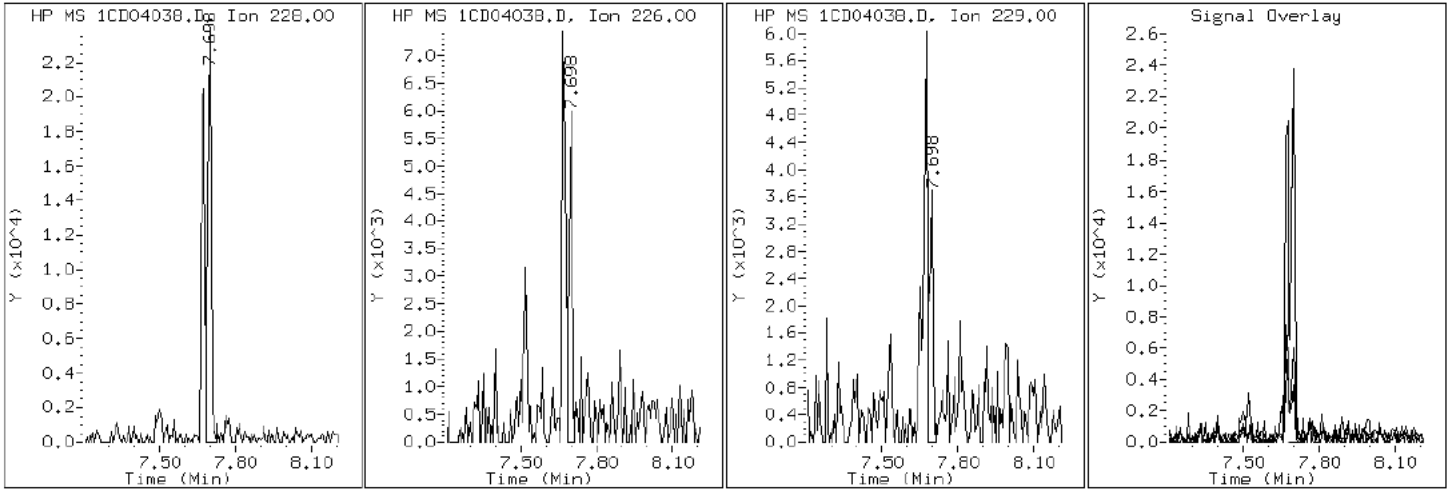
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

19 Chrysene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

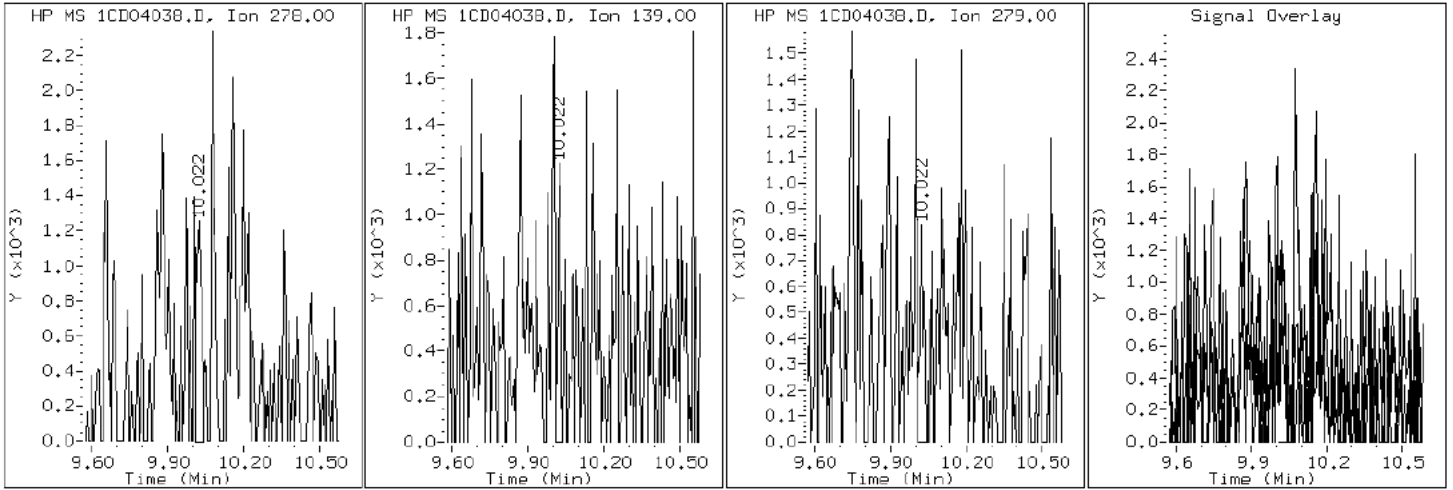
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

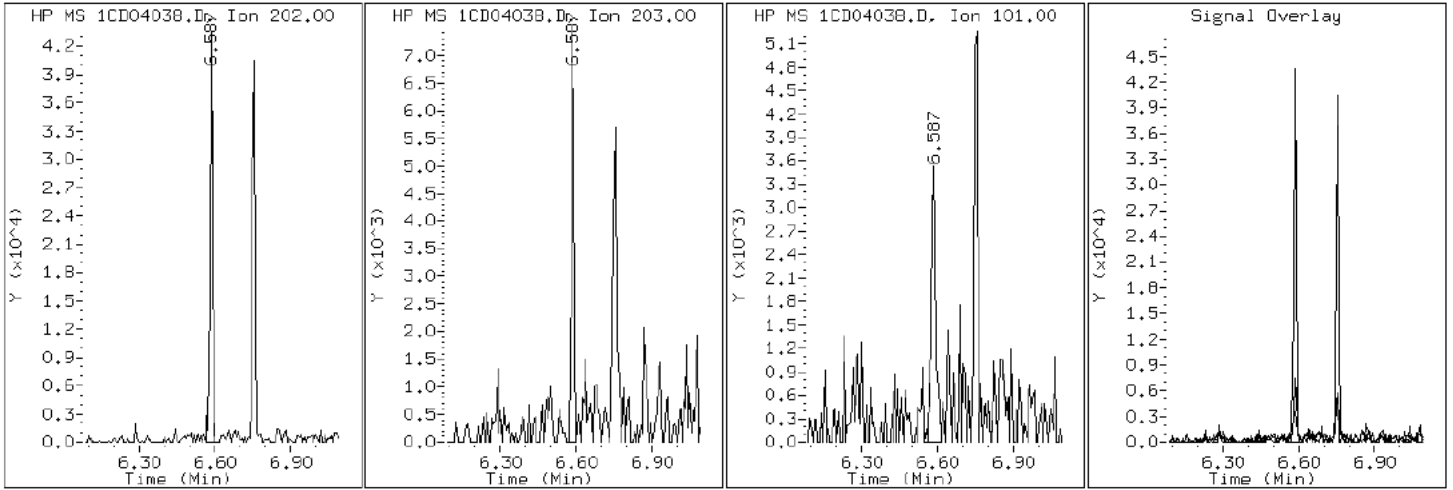
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

15 Fluoranthene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

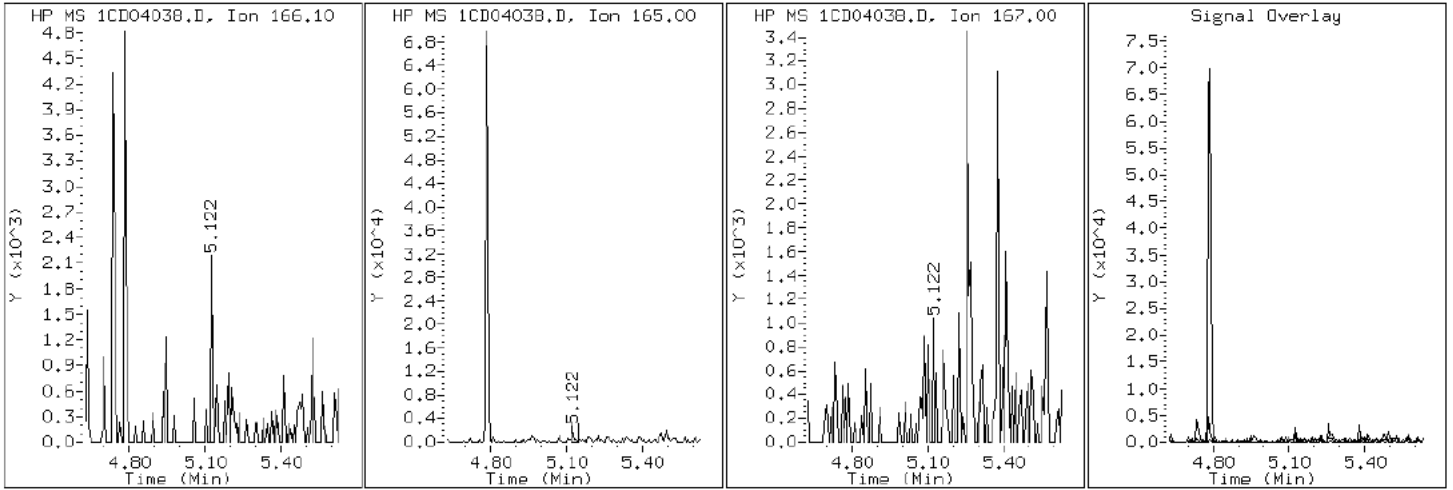
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

9 Fluorene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

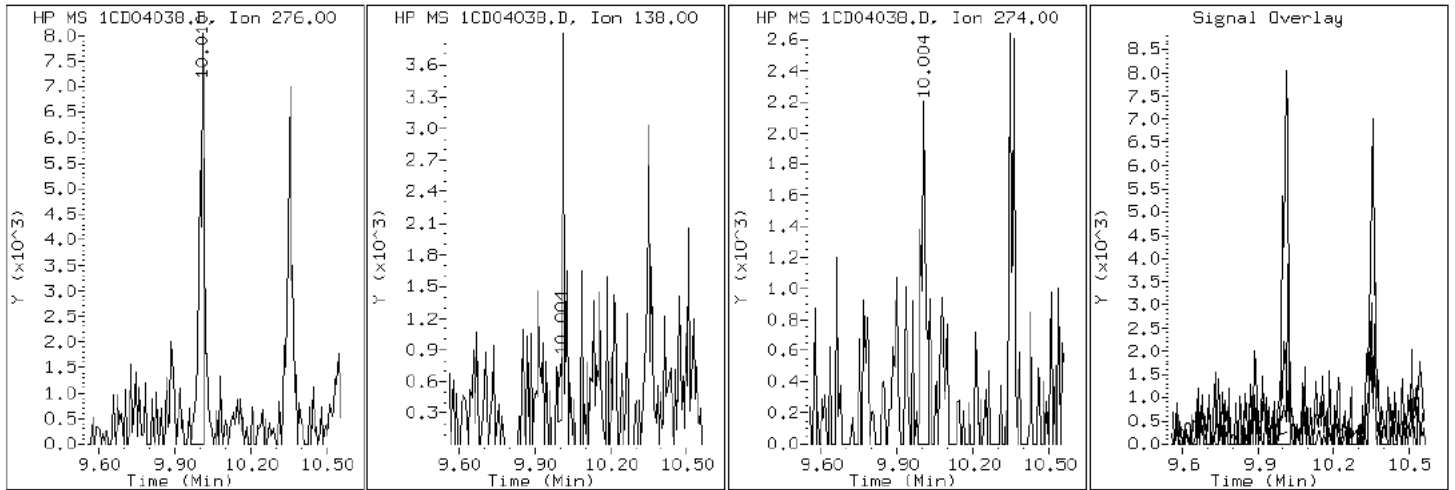
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

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



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

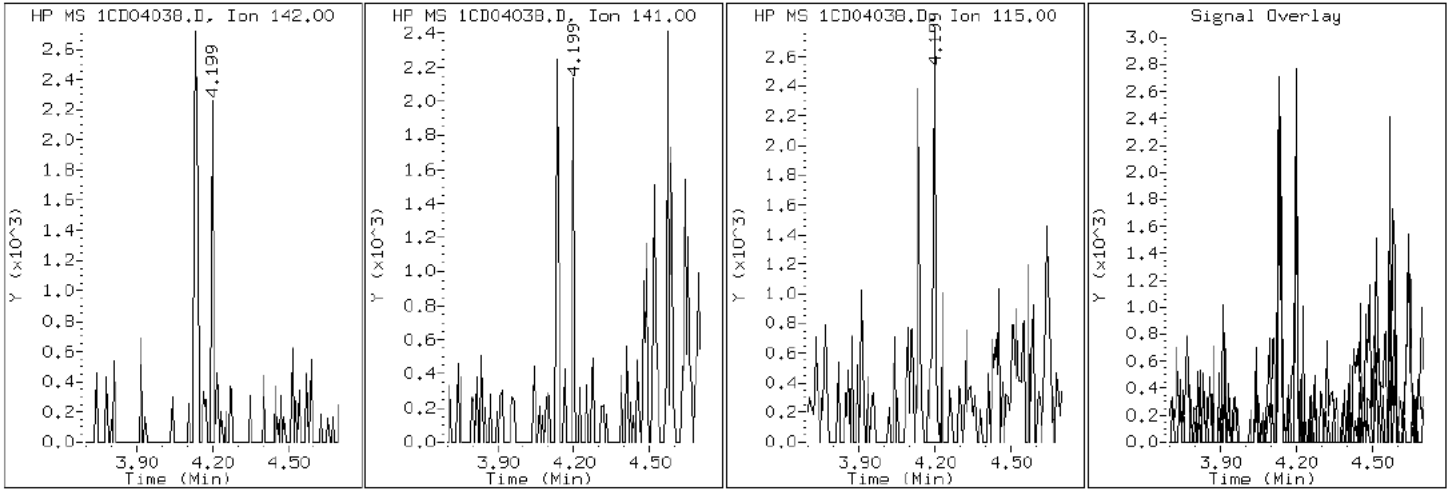
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

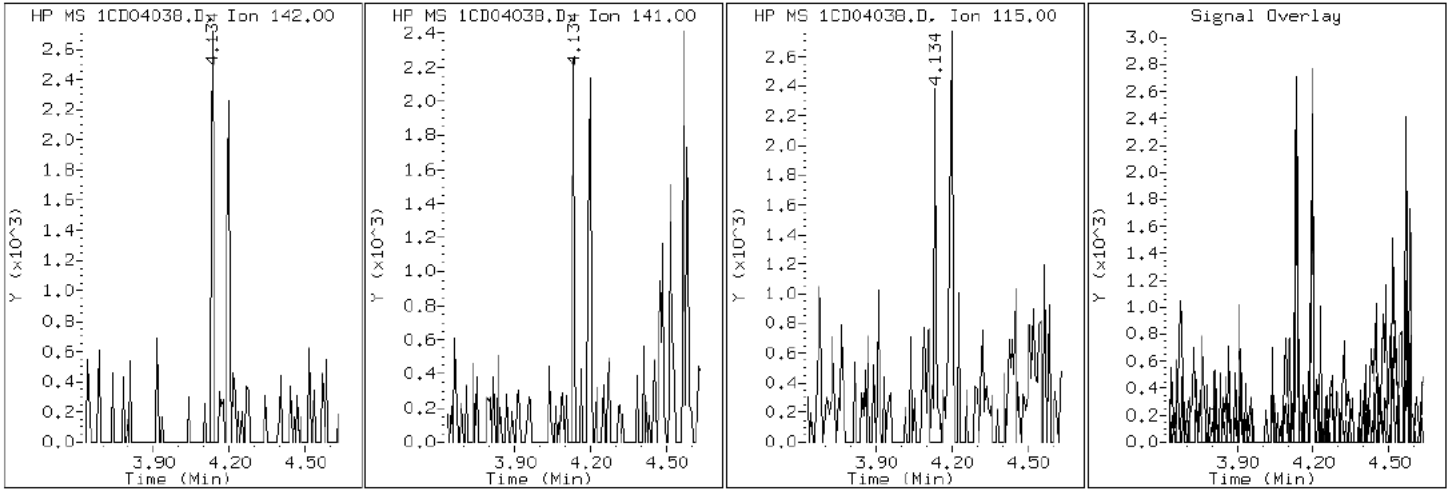
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

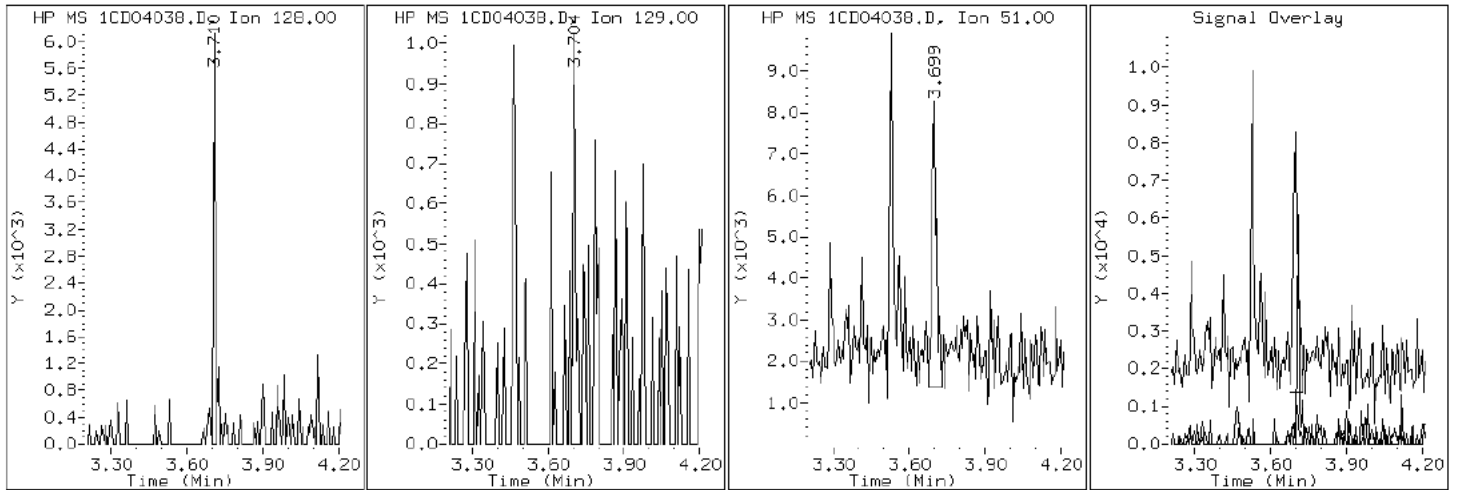
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

2 Naphthalene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

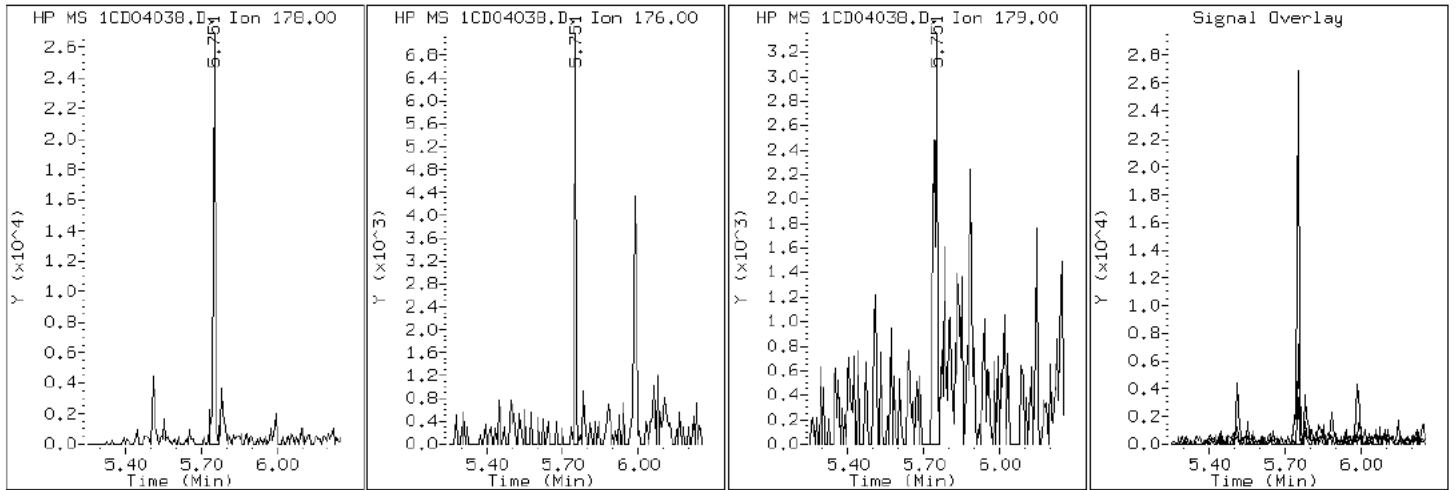
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

11 Phenanthrene



Data File: 1CD04038.D

Date: 04-APR-2013 22:33

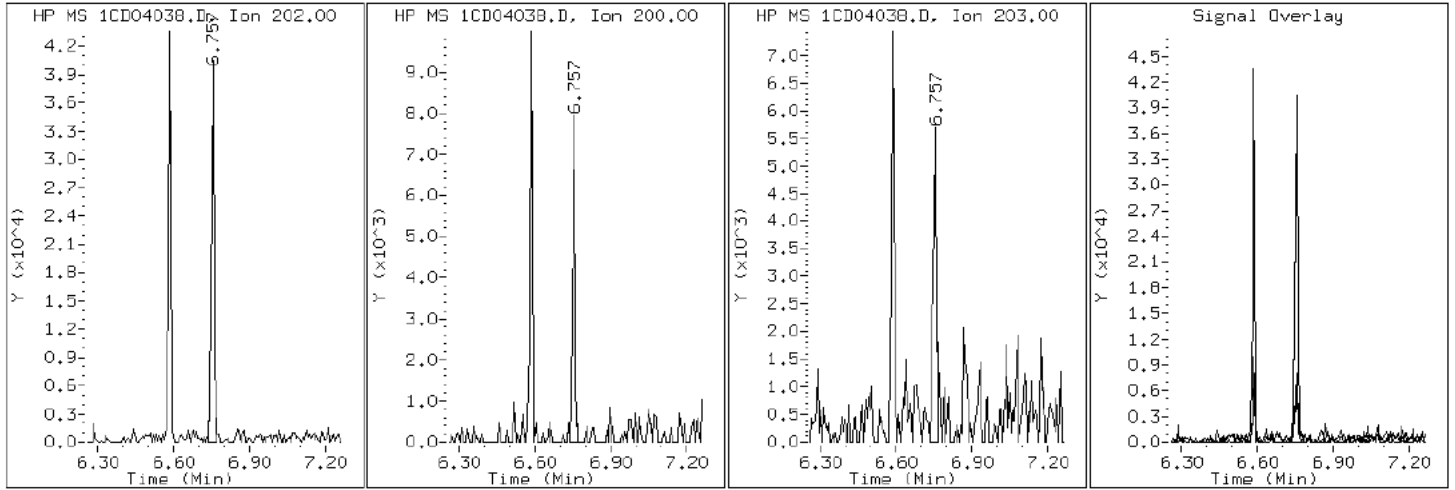
Client ID: CV0509Q-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-26-a

Operator: SCC

16 Pyrene

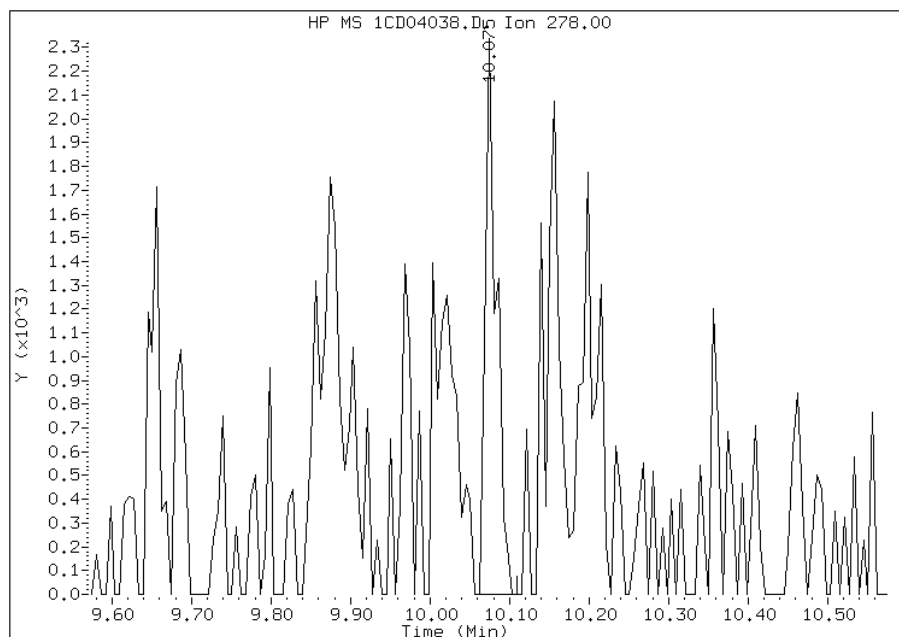


Manual Integration Report

Data File: 1CD04038.D
Inj. Date and Time: 04-APR-2013 22:33
Instrument ID: BSMC5973.i
Client ID: CV0509Q-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

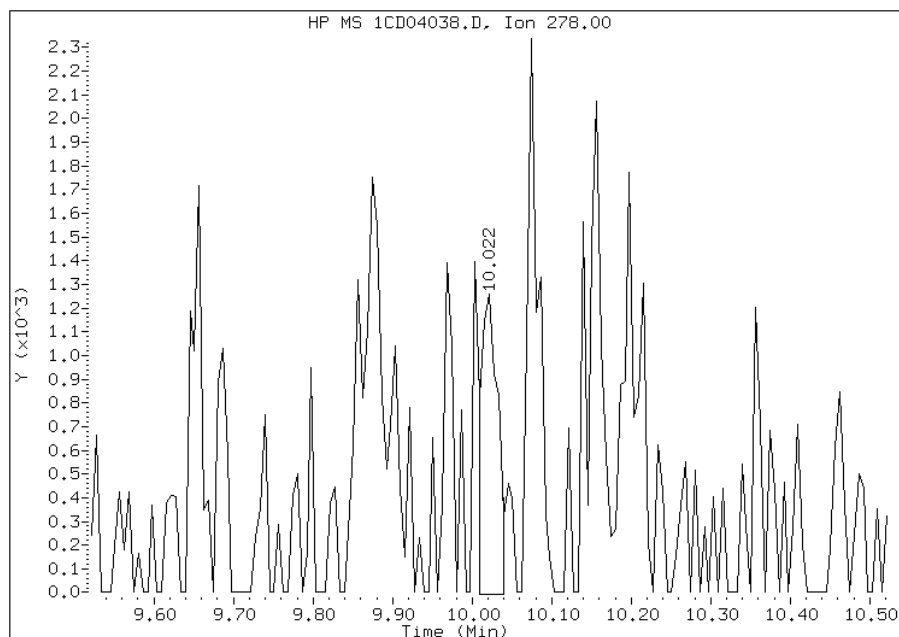
Processing Integration Results

RT: 10.07
Response: 2251
Amount: 0
Conc: 10



Manual Integration Results

RT: 10.02
Response: 1889
Amount: 0
Conc: 9



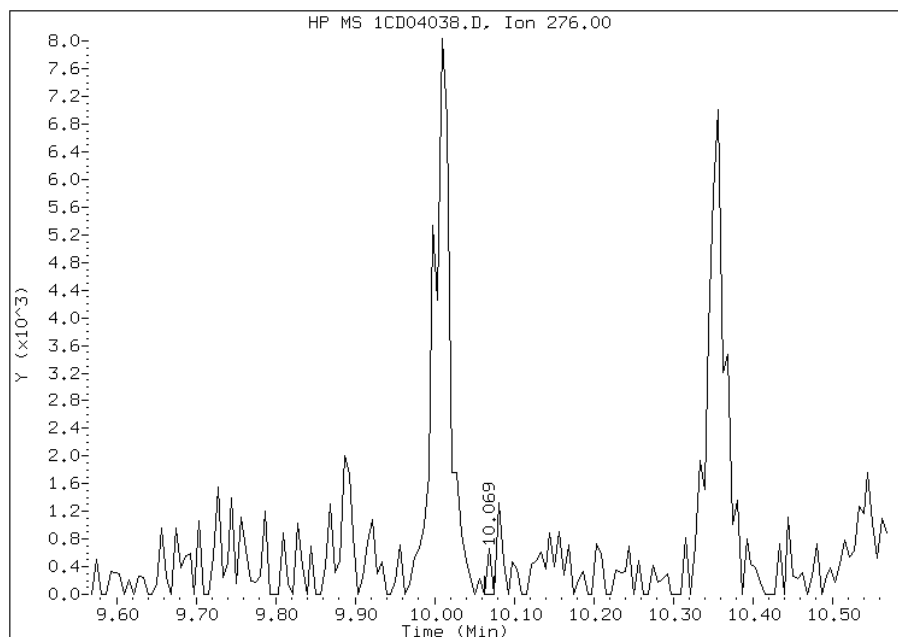
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:18
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04038.D
Inj. Date and Time: 04-APR-2013 22:33
Instrument ID: BSMC5973.i
Client ID: CV0509Q-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

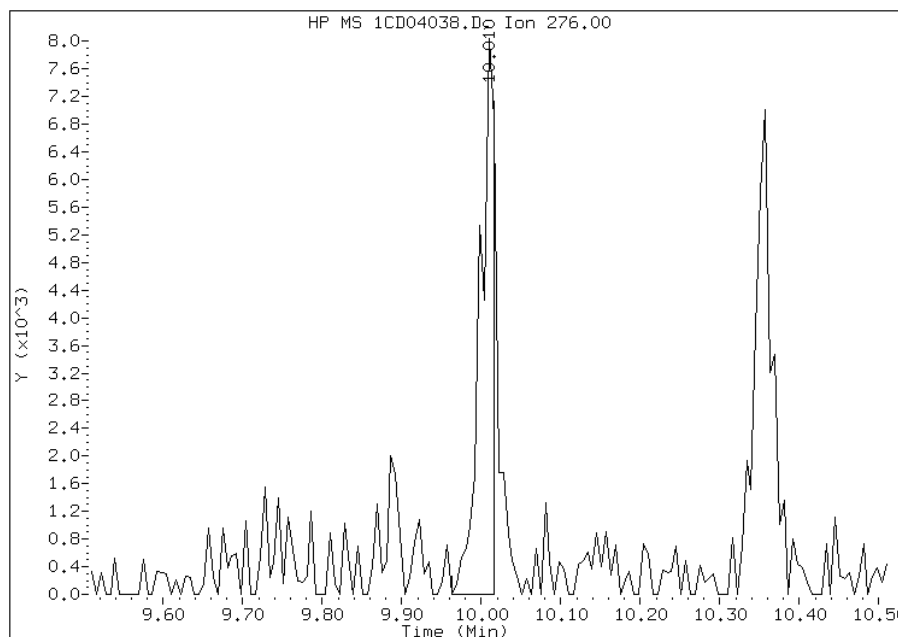
Processing Integration Results

RT: 10.07
Response: 235
Amount: 0
Conc: 1



Manual Integration Results

RT: 10.01
Response: 10092
Amount: 0
Conc: 42



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:18
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509R-CS Lab Sample ID: 680-88767-27
 Matrix: Solid Lab File ID: 1CD04039.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:05
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.03(g) Date Analyzed: 04/04/2013 22:51
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 25.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	27
208-96-8	Acenaphthylene	8.0	J	53	6.7
120-12-7	Anthracene	22		11	5.6
56-55-3	Benzo[a]anthracene	150		11	5.2
50-32-8	Benzo[a]pyrene	120		14	7.0
205-99-2	Benzo[b]fluoranthene	160		16	8.2
191-24-2	Benzo[g,h,i]perylene	89		27	5.9
207-08-9	Benzo[k]fluoranthene	95		11	4.8
218-01-9	Chrysene	130		12	6.0
53-70-3	Dibenz(a,h)anthracene	33		27	5.5
206-44-0	Fluoranthene	220		27	5.3
86-73-7	Fluorene	12	J	27	5.5
193-39-5	Indeno[1,2,3-cd]pyrene	80		27	9.5
90-12-0	1-Methylnaphthalene	18	J	53	5.9
91-57-6	2-Methylnaphthalene	37	J	53	9.5
91-20-3	Naphthalene	28	J	53	5.9
85-01-8	Phenanthrene	130		11	5.2
129-00-0	Pyrene	200		27	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	69		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04039.D
 Lab Smp Id: 680-88767-A-27-A Client Smp ID: CV0509R-CS
 Inj Date : 04-APR-2013 22:51
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-27-a
 Misc Info : 680-88767-A-27-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 39
 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	25.364	% 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		3.692	3.692	(1.000)	517466	40.0000		
* 6 Acenaphthene-d10	164		4.780	4.786	(1.000)	406840	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	784015	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	79164	6.91151	616.1192	
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	844402	40.0000		
* 23 Perylene-d12	264		8.862	8.886	(1.000)	824354	40.0000		
2 Naphthalene	128		3.710	3.710	(1.005)	4189	0.31518	28.0959	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	3796	0.41957	37.4019	
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	1678	0.20612	18.3743(Q)	
5 Acenaphthylene	152		4.692	4.698	(0.982)	1502	0.08920	7.9518(Q)	
9 Fluorene	166		5.127	5.127	(1.073)	1864	0.13407	11.9517	
11 Phenanthrene	178		5.751	5.751	(1.003)	32600	1.42769	127.2694	
12 Anthracene	178		5.786	5.786	(1.009)	5608	0.24228	21.5974	
13 Carbazole	167		5.892	5.898	(1.028)	5530	0.27885	24.8580	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
15 Fluoranthene	202	6.586	6.592	(1.149)	62961	2.49672	222.5676
16 Pyrene	202	6.757	6.763	(0.880)	52380	2.23936	199.6255
17 Benzo(a)anthracene	228	7.668	7.686	(0.998)	36838	1.64128	146.3101
19 Chrysene	228	7.698	7.710	(1.002)	35175	1.46186	130.3161
20 Benzo(b)fluoranthene	252	8.515	8.533	(0.961)	41539	1.78239	158.8894(M)
21 Benzo(k)fluoranthene	252	8.527	8.557	(0.962)	24066	1.06769	95.1777(M)
22 Benzo(a)pyrene	252	8.804	8.827	(0.993)	29577	1.34801	120.1665
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.056	(1.129)	18696	0.89712	79.9726(M)
25 Dibenzo(a,h)anthracene	278	10.027	10.074	(1.131)	7041	0.36574	32.6036
26 Benzo(g,h,i)perylene	276	10.356	10.415	(1.169)	21349	1.00372	89.4759(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: 1CD04039.D

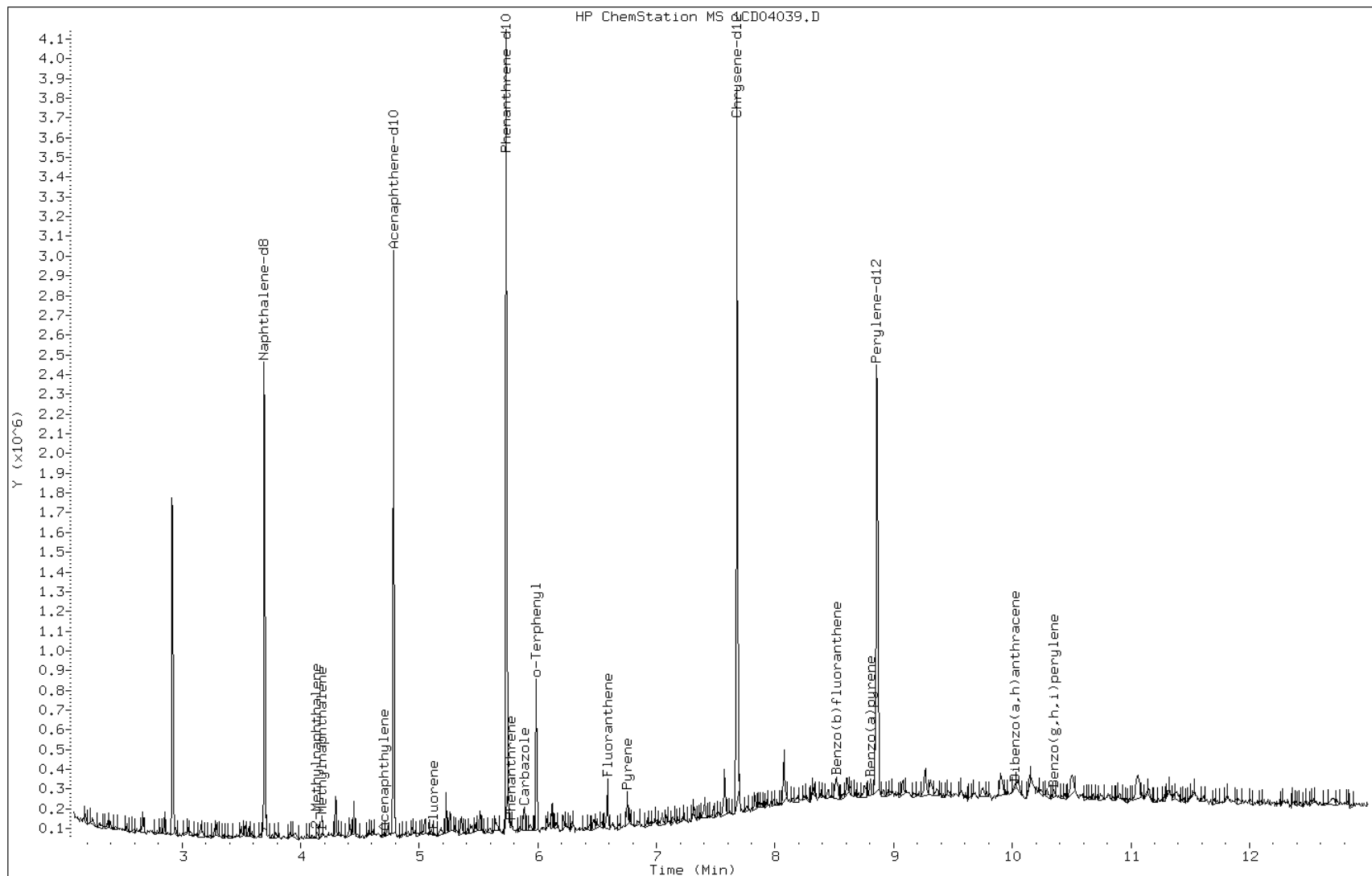
Date: 04-APR-2013 22:51

Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

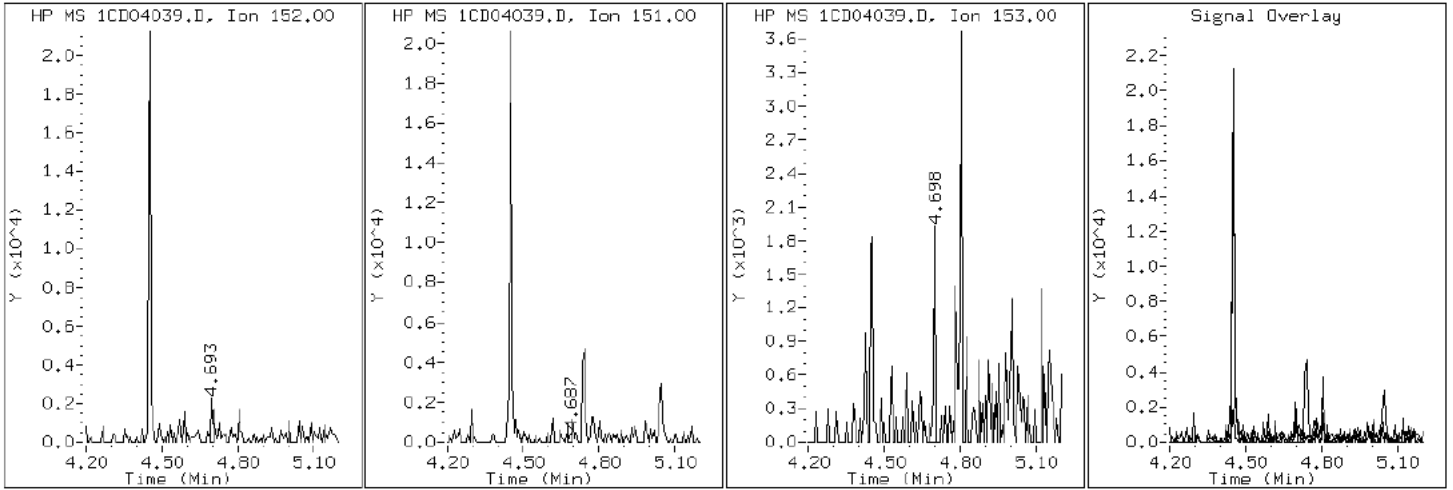
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

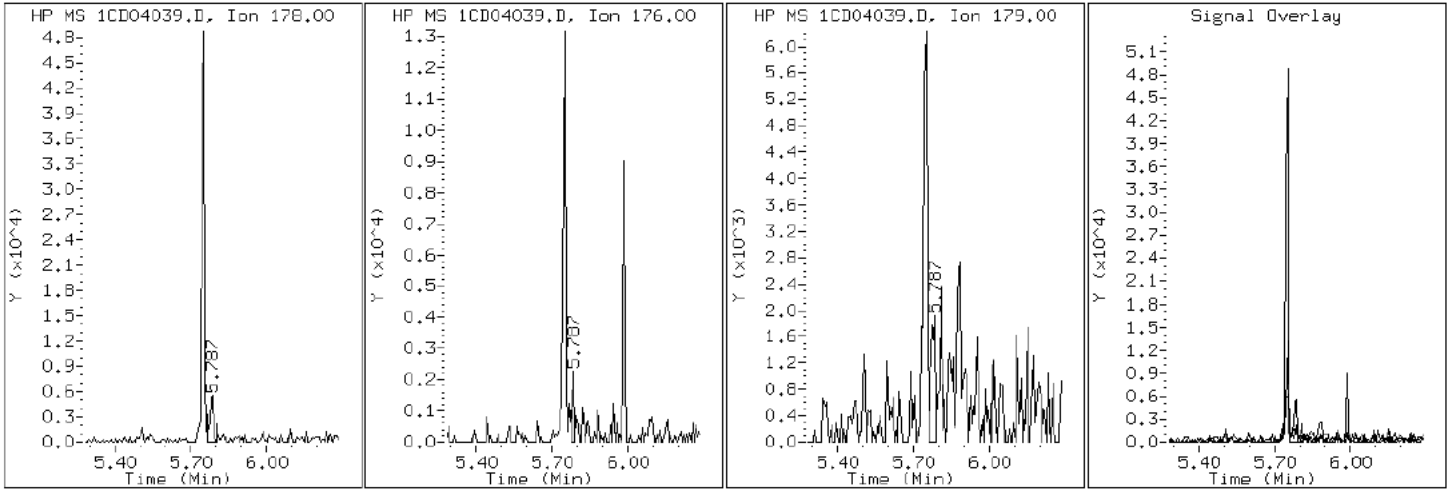
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

12 Anthracene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

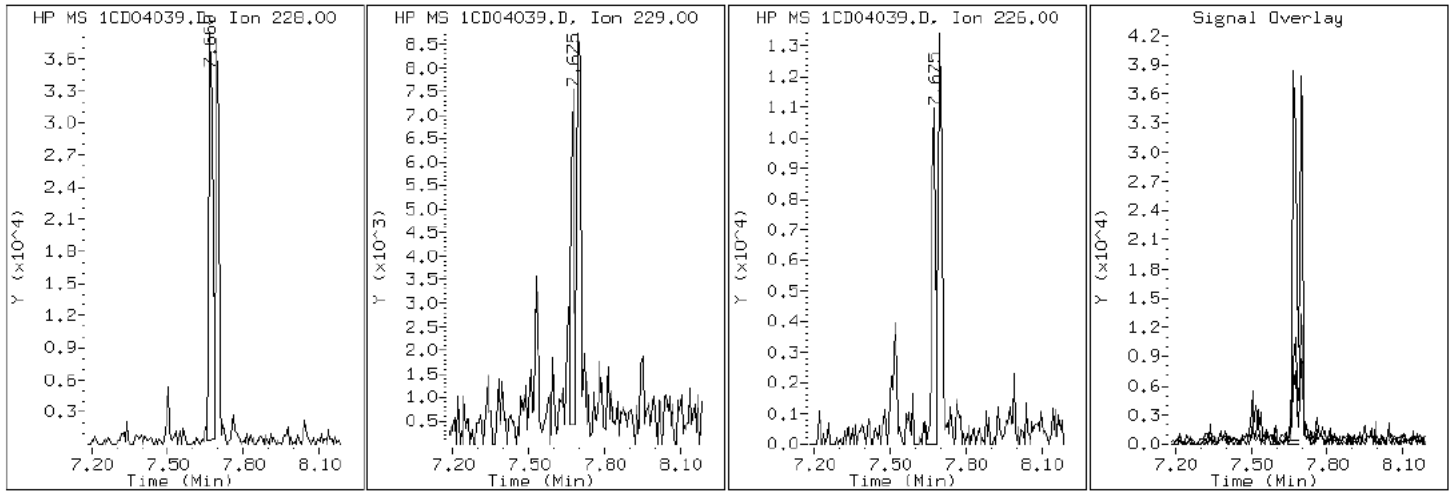
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

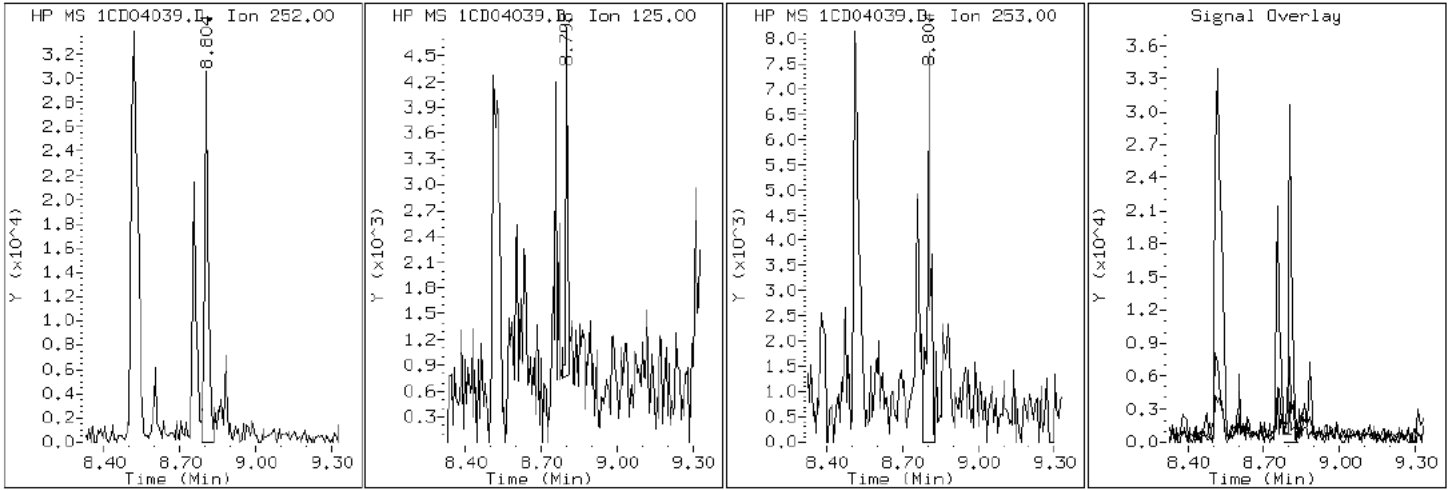
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

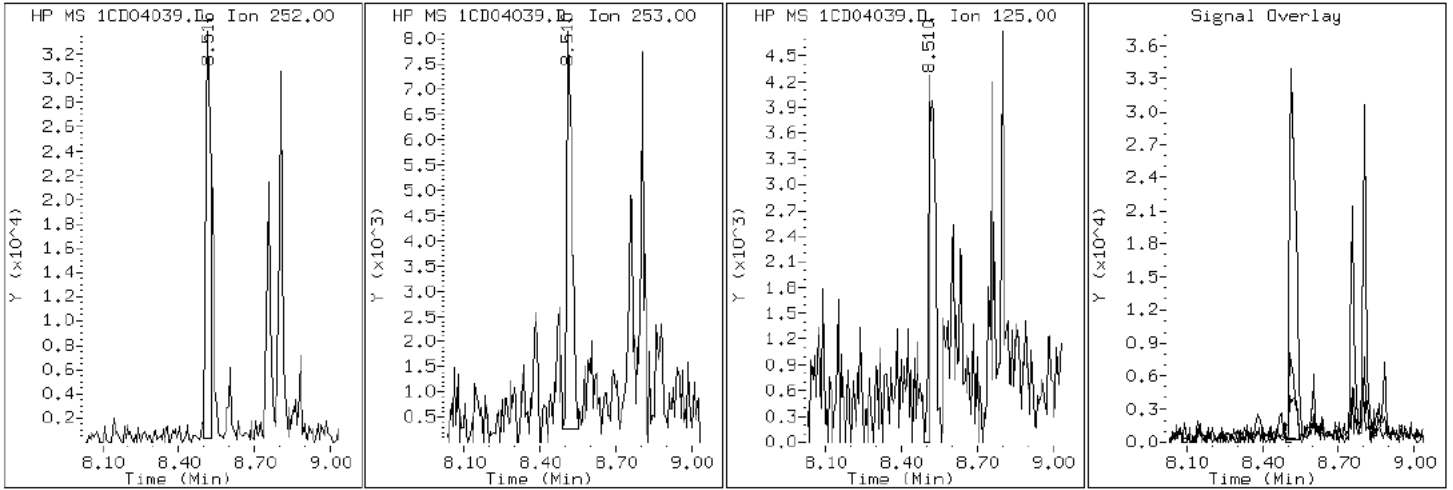
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

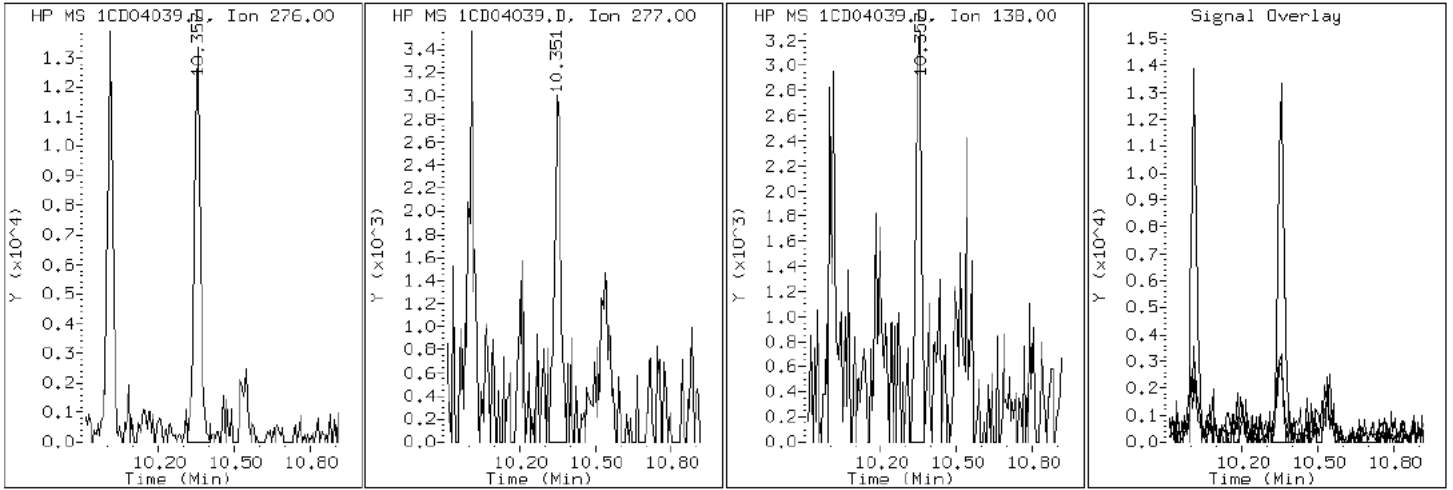
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

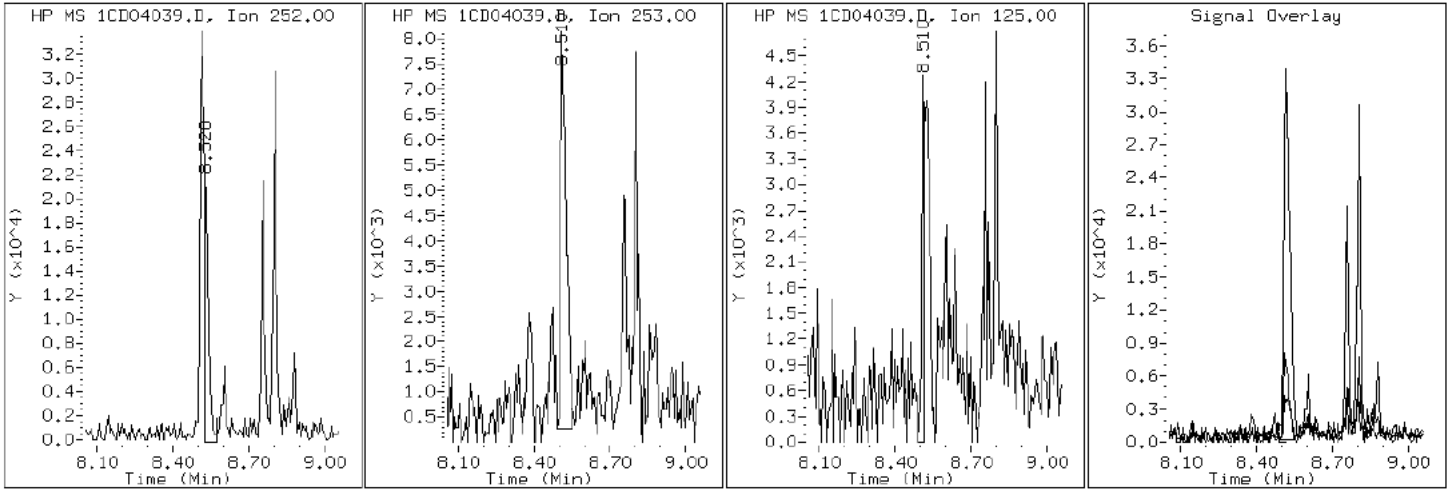
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

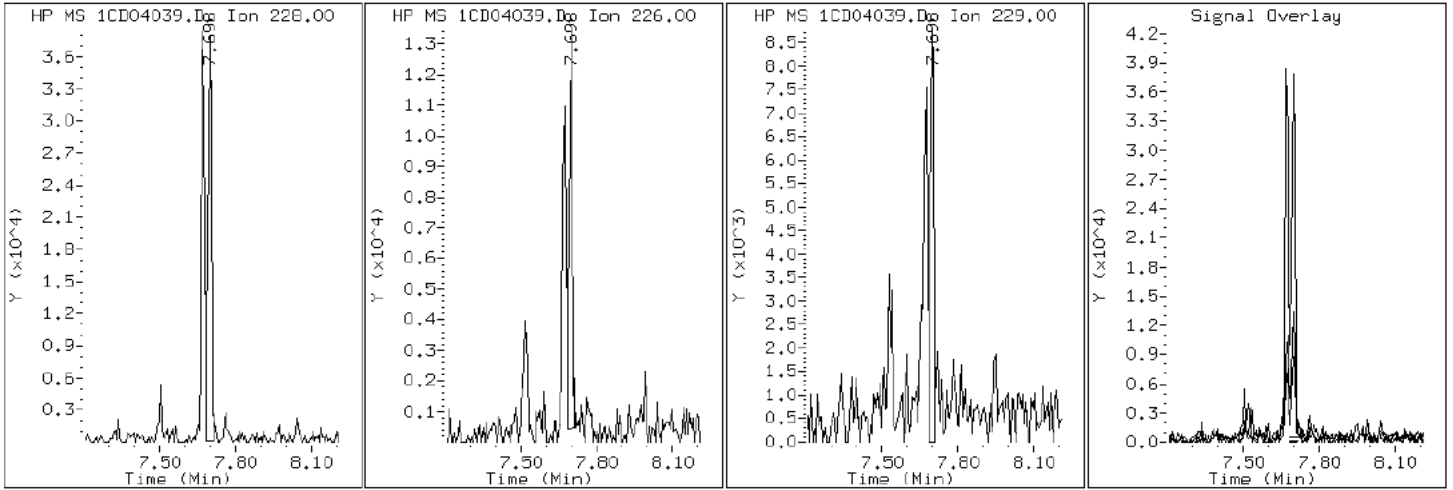
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

19 Chrysene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

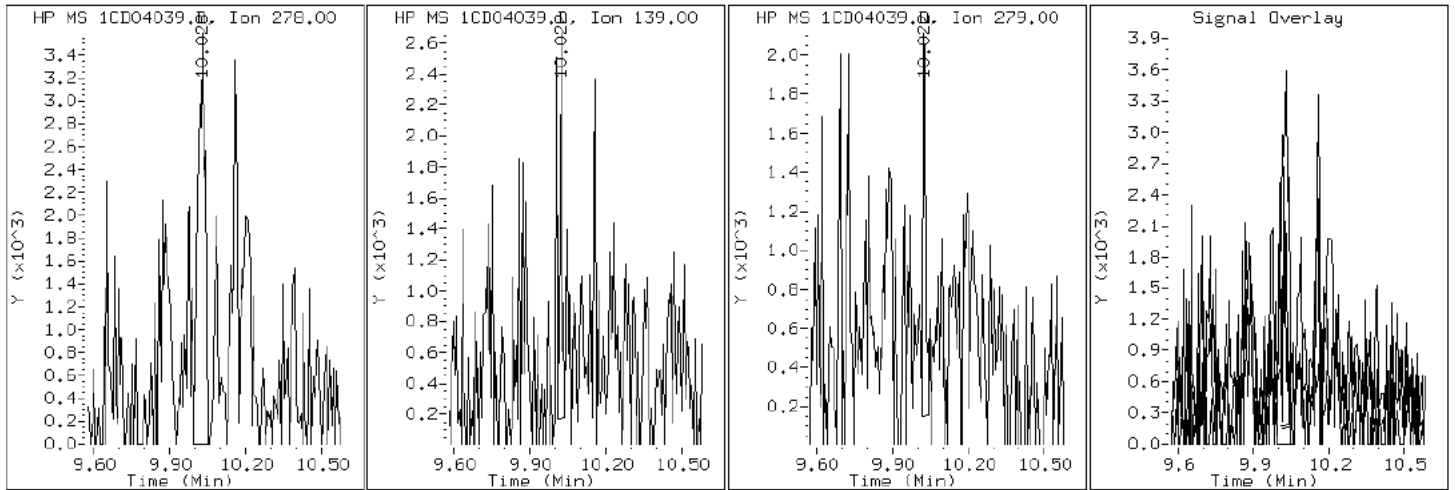
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

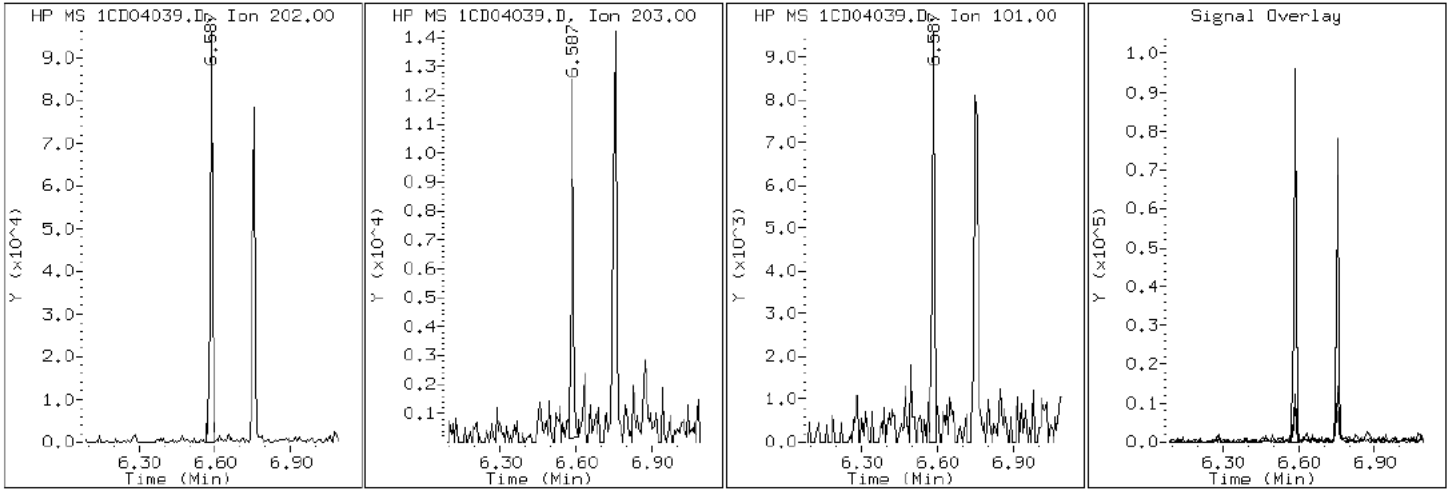
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

15 Fluoranthene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

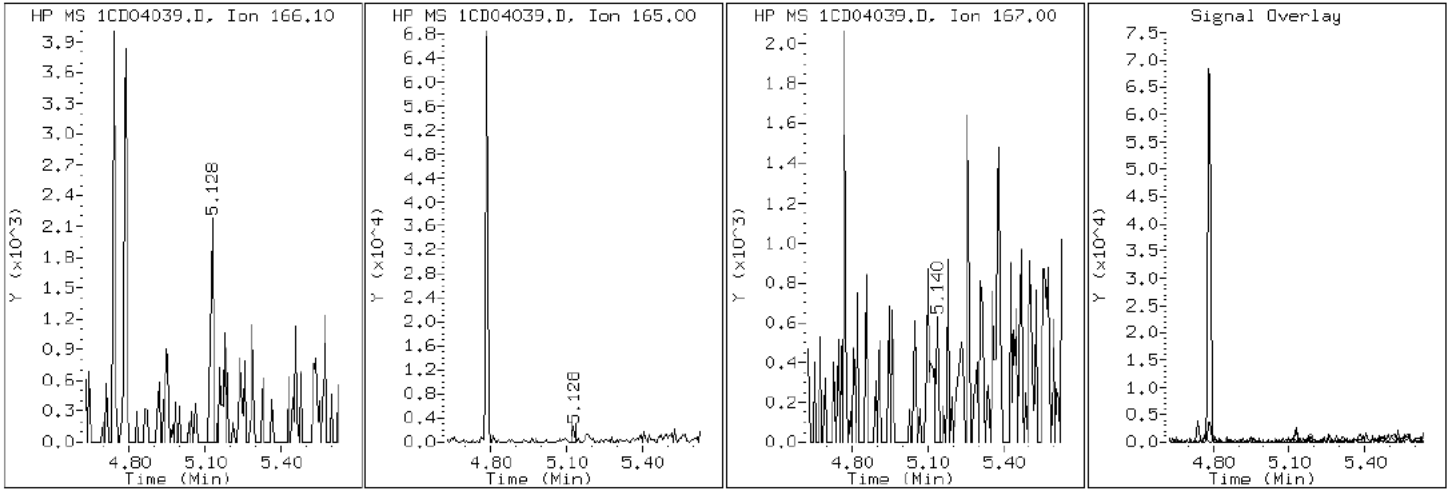
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

9 Fluorene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

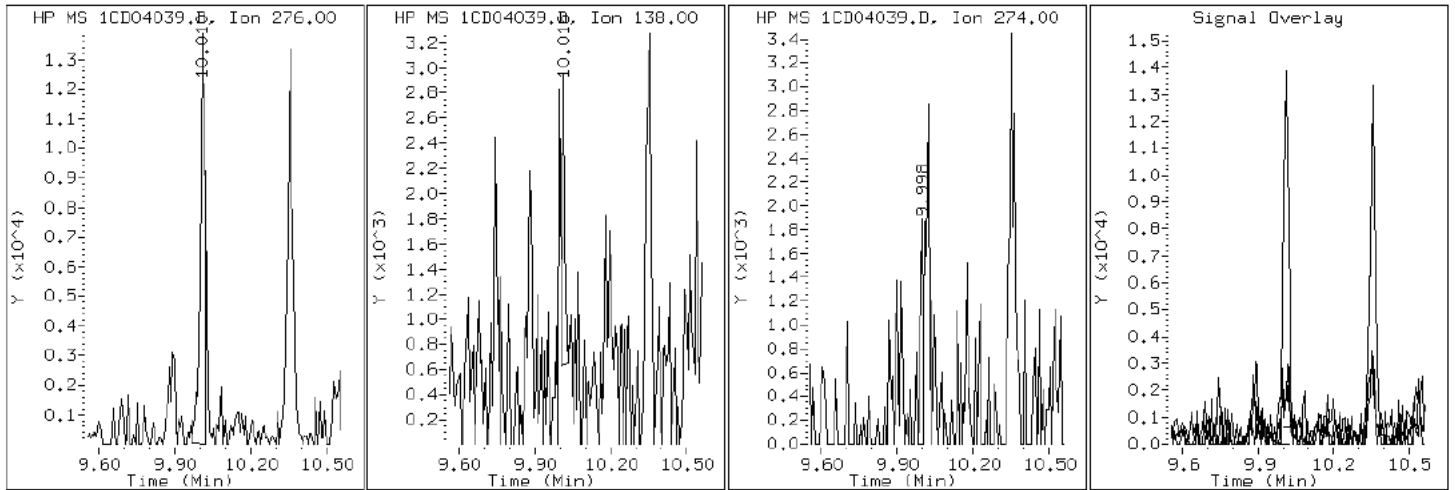
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

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



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

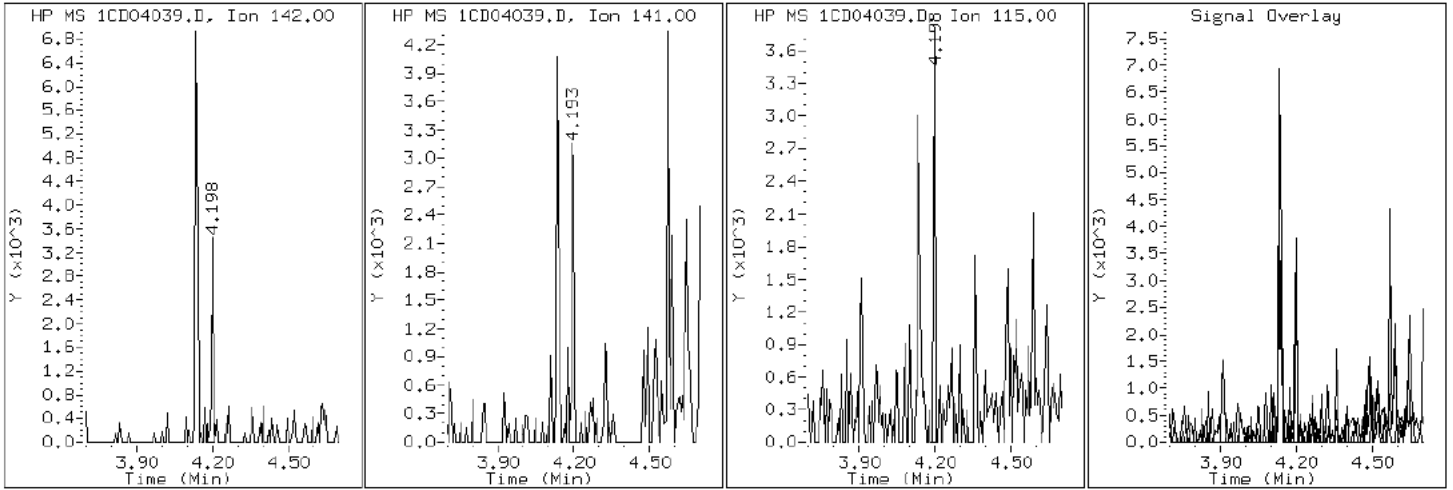
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

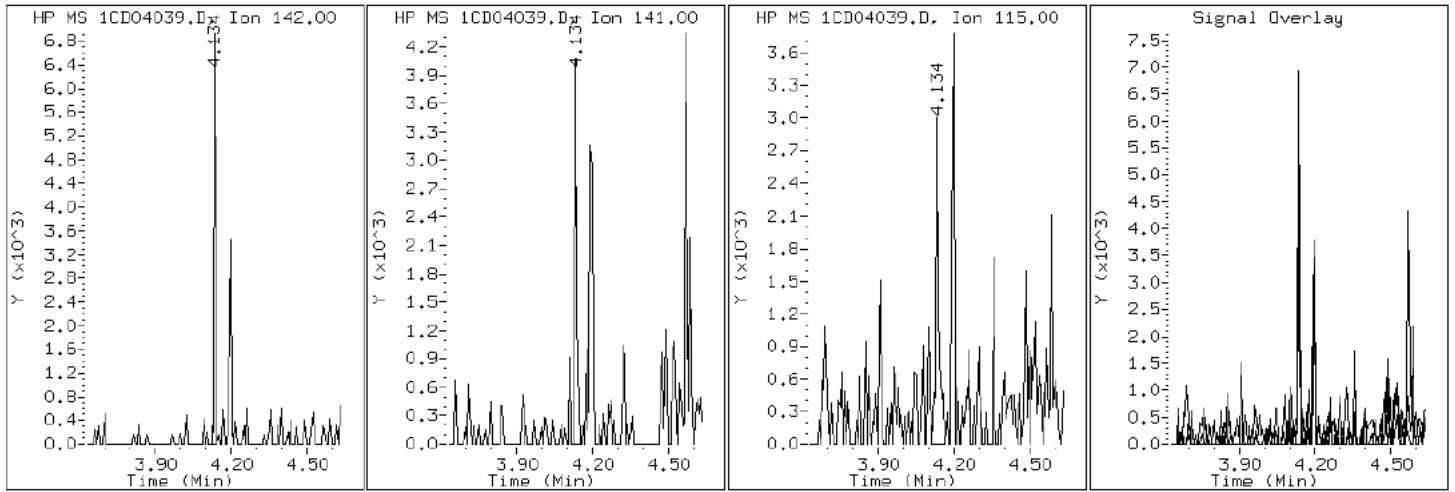
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

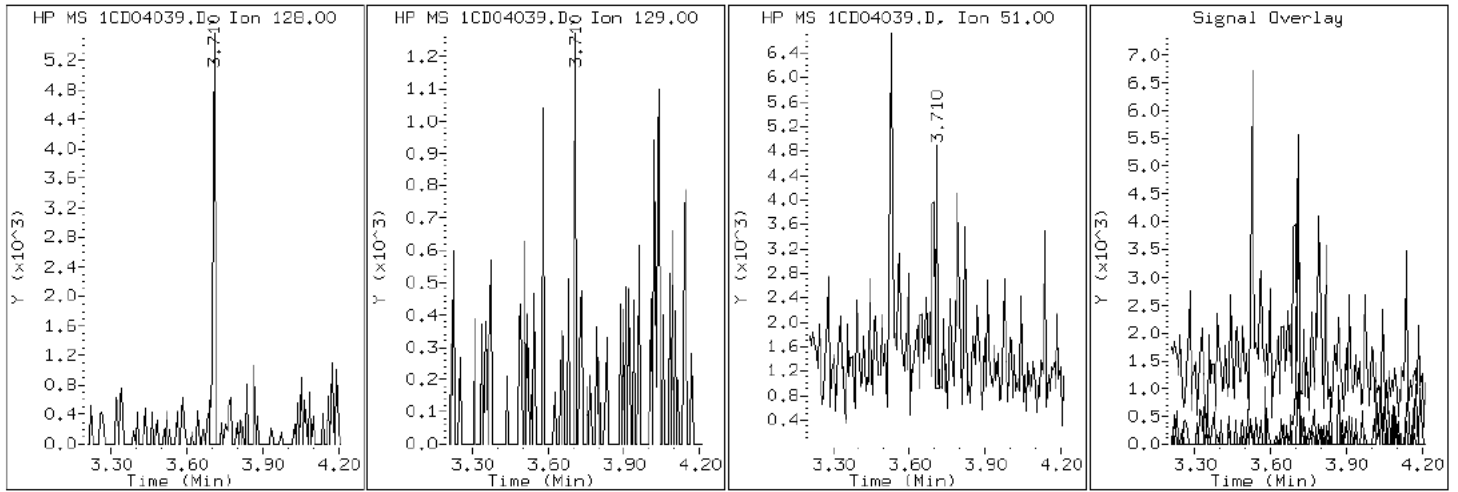
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

2 Naphthalene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

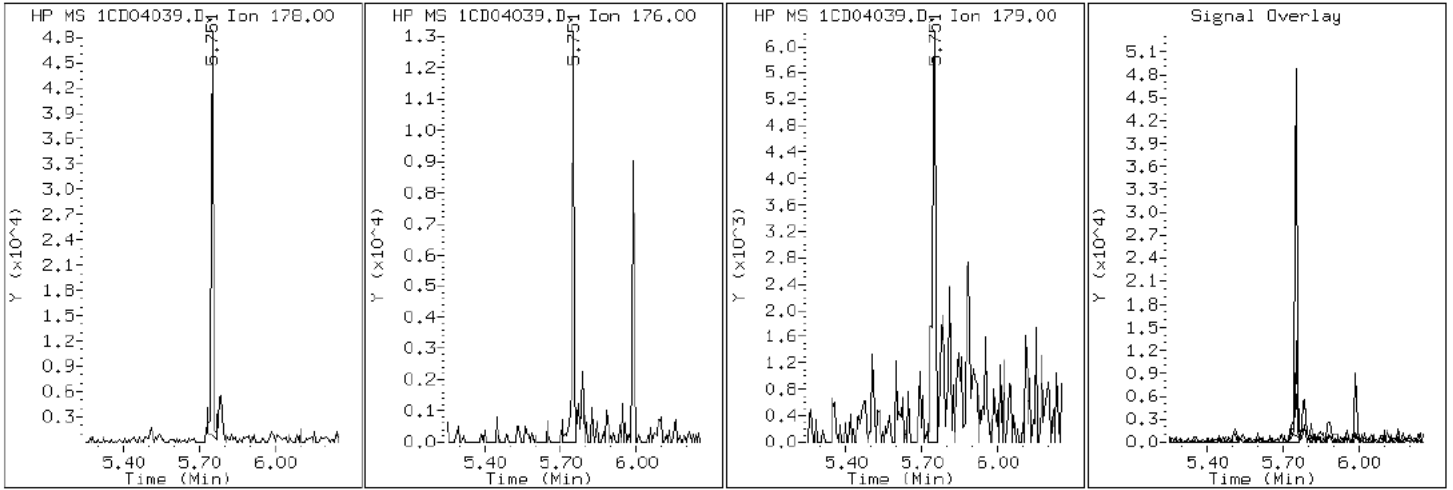
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

11 Phenanthrene



Data File: 1CD04039.D

Date: 04-APR-2013 22:51

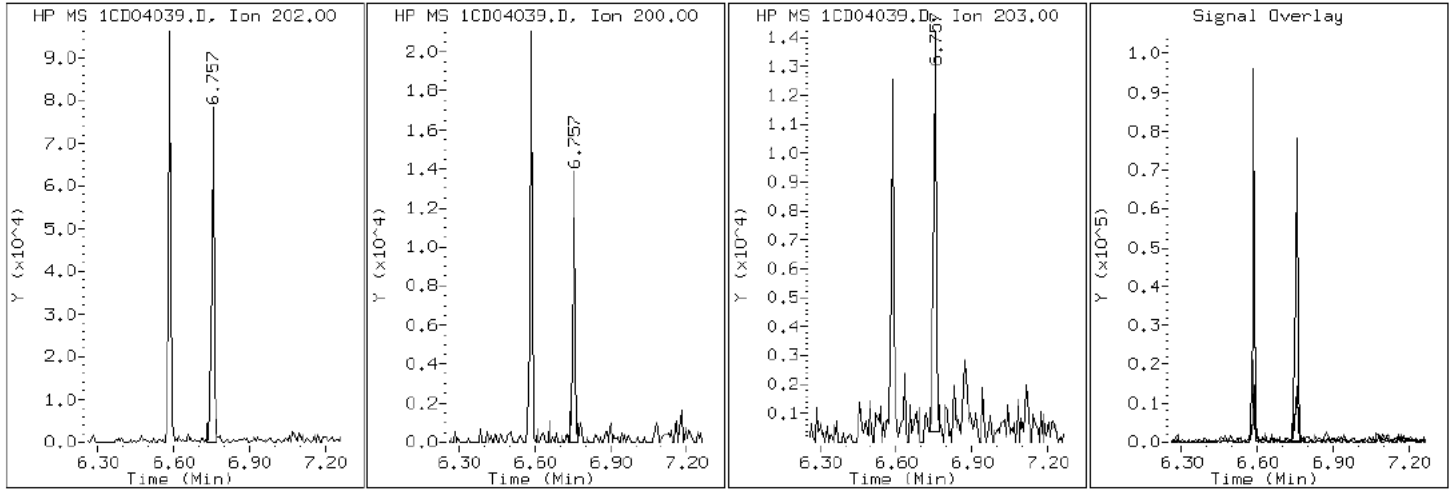
Client ID: CV0509R-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-27-a

Operator: SCC

16 Pyrene

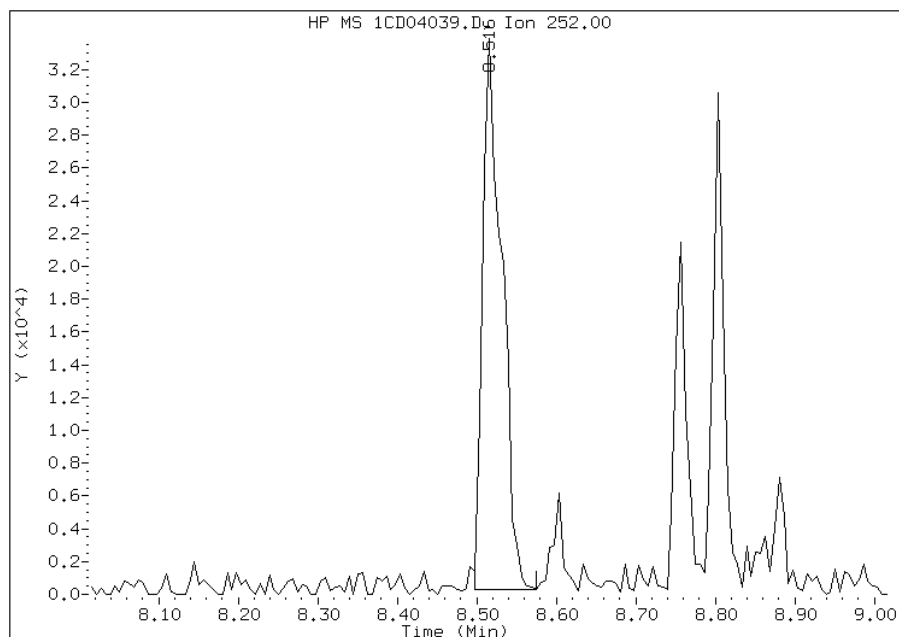


Manual Integration Report

Data File: 1CD04039.D
Inj. Date and Time: 04-APR-2013 22:51
Instrument ID: BSMC5973.i
Client ID: CV0509R-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/05/2013

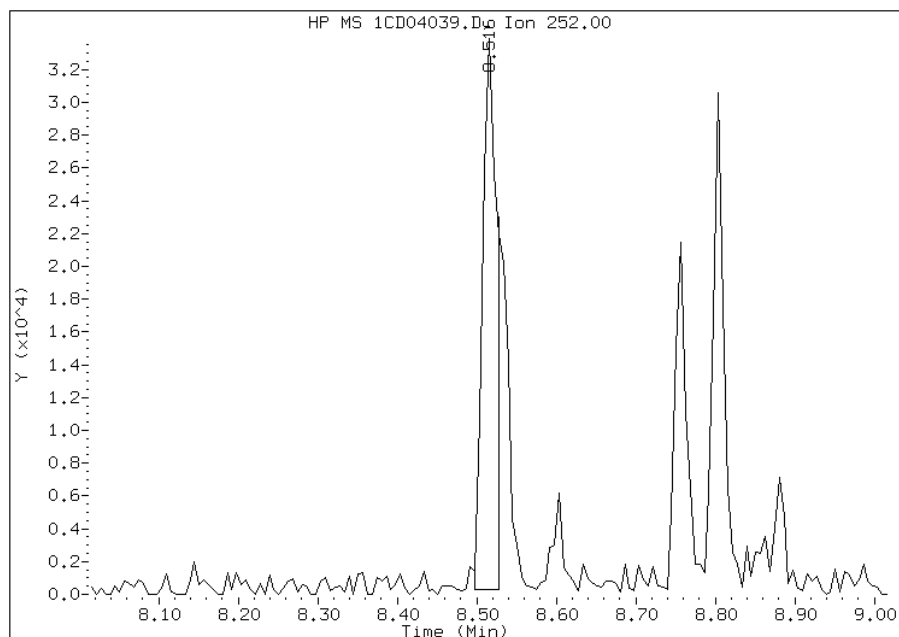
Processing Integration Results

RT: 8.52
Response: 56318
Amount: 2
Conc: 215



Manual Integration Results

RT: 8.52
Response: 41539
Amount: 2
Conc: 159



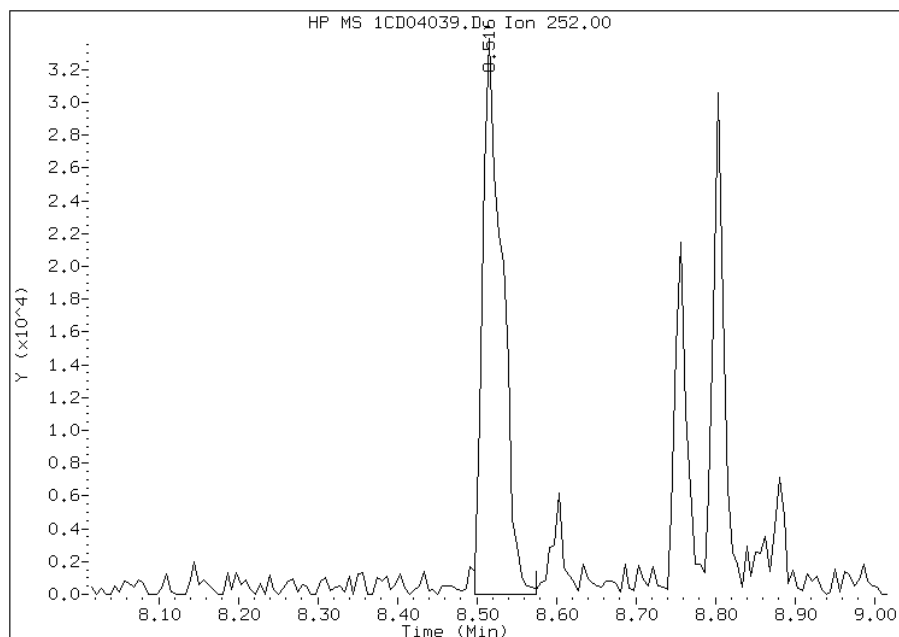
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:15
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD04039.D
Inj. Date and Time: 04-APR-2013 22:51
Instrument ID: BSMC5973.i
Client ID: CV0509R-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/05/2013

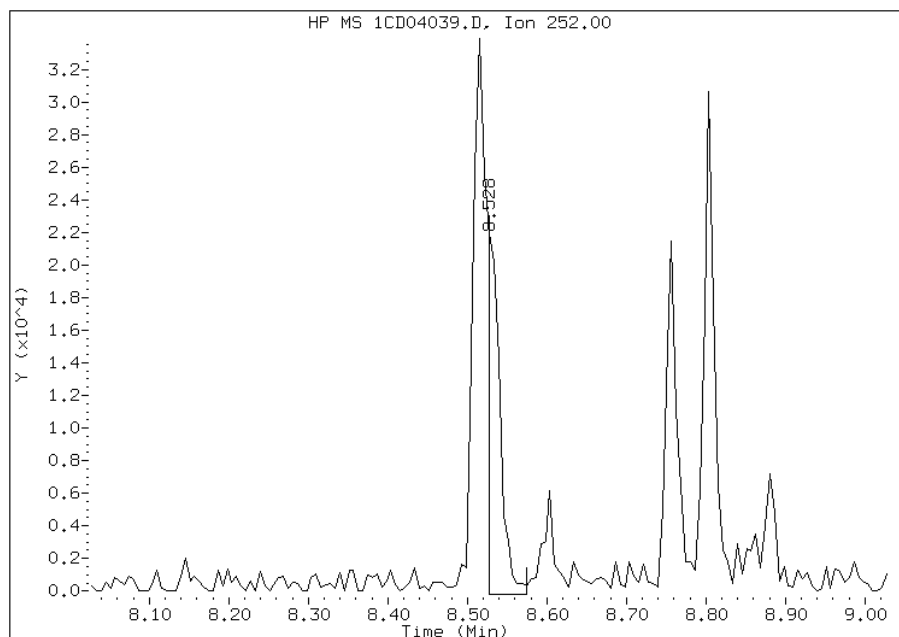
Processing Integration Results

RT: 8.52
Response: 57751
Amount: 3
Conc: 228



Manual Integration Results

RT: 8.53
Response: 24066
Amount: 1
Conc: 95



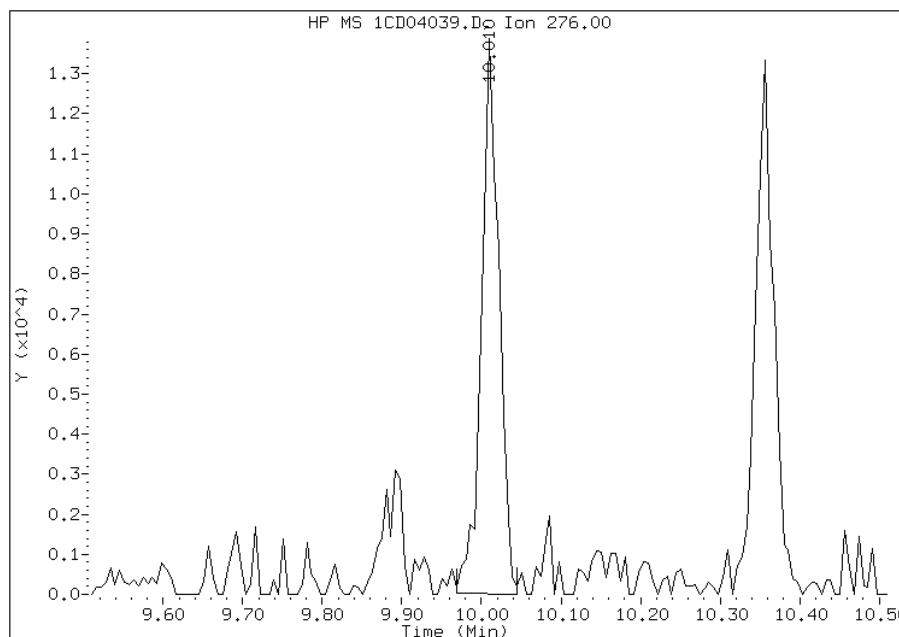
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:15
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04039.D
Inj. Date and Time: 04-APR-2013 22:51
Instrument ID: BSMC5973.i
Client ID: CV0509R-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

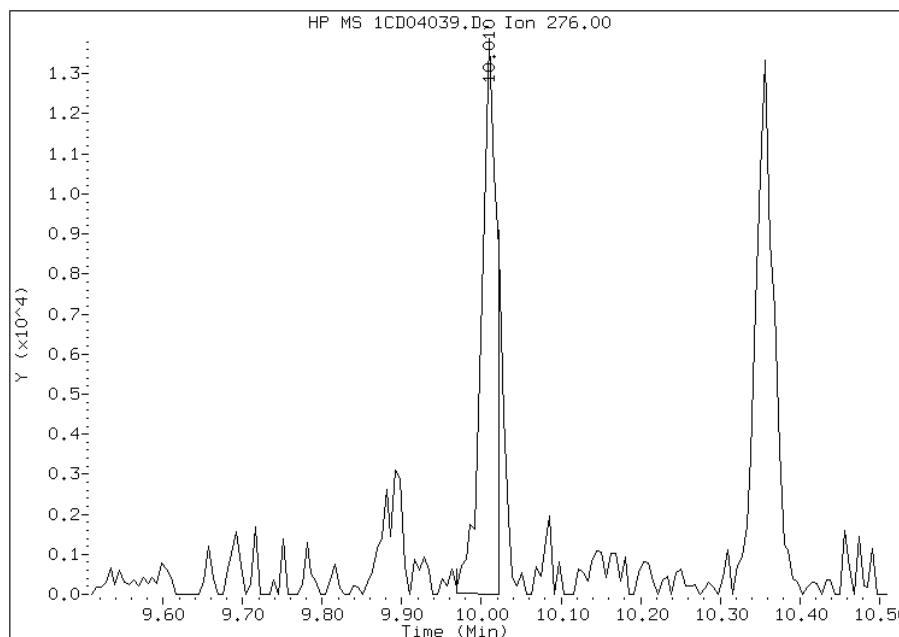
Processing Integration Results

RT: 10.01
Response: 21174
Amount: 1
Conc: 91



Manual Integration Results

RT: 10.01
Response: 18696
Amount: 1
Conc: 80



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:16
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509S-CS Lab Sample ID: 680-88767-28
 Matrix: Solid Lab File ID: 1CD04040.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:15
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.48(g) Date Analyzed: 04/04/2013 23:09
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	27
208-96-8	Acenaphthylene	11	J	55	6.8
120-12-7	Anthracene	24		12	5.8
56-55-3	Benzo[a]anthracene	140		11	5.3
50-32-8	Benzo[a]pyrene	110		14	7.1
205-99-2	Benzo[b]fluoranthene	160		17	8.4
191-24-2	Benzo[g,h,i]perylene	63		27	6.0
207-08-9	Benzo[k]fluoranthene	67		11	4.9
218-01-9	Chrysene	100		12	6.2
53-70-3	Dibenz(a,h)anthracene	28		27	5.6
206-44-0	Fluoranthene	230		27	5.5
86-73-7	Fluorene	8.8	J	27	5.6
193-39-5	Indeno[1,2,3-cd]pyrene	62		27	9.7
90-12-0	1-Methylnaphthalene	11	J	55	6.0
91-57-6	2-Methylnaphthalene	12	J	55	9.7
91-20-3	Naphthalene	16	J	55	6.0
85-01-8	Phenanthrene	91		11	5.3
129-00-0	Pyrene	180		27	5.1

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\1C040413.b\1CD04040.D
 Lab Smp Id: 680-88767-A-28-A Client Smp ID: CV0509S-CS
 Inj Date : 04-APR-2013 23:09
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-28-a
 Misc Info : 680-88767-A-28-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 40
 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	15.480	Weight Extracted
M	29.234	% 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		3.698	3.692 (1.000)		522211	40.0000	
* 6 Acenaphthene-d10	164		4.786	4.786 (1.000)		402917	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733 (1.000)		775408	40.0000	
\$ 14 o-Terphenyl	230		5.986	5.992 (1.044)		71818	6.39977	584.2053
* 18 Chrysene-d12	240		7.680	7.692 (1.000)		849370	40.0000	
* 23 Perylene-d12	264		8.856	8.886 (1.000)		786787	40.0000	
2 Naphthalene	128		3.704	3.710 (1.002)		2391	0.17826	16.2726(Q)
3 2-Methylnaphthalene	142		4.133	4.133 (1.118)		1175	0.12869	11.7476
4 1-Methylnaphthalene	142		4.198	4.198 (1.135)		1015	0.12355	11.2779(Q)
5 Acenaphthylene	152		4.698	4.698 (0.982)		1923	0.11532	10.5267
9 Fluorene	166		5.127	5.127 (1.071)		1334	0.09689	8.8442(Q)
11 Phenanthrene	178		5.751	5.751 (1.003)		22619	1.00157	91.4289
12 Anthracene	178		5.786	5.786 (1.009)		6107	0.26676	24.3515
13 Carbazole	167		5.892	5.898 (1.028)		4856	0.24758	22.6008

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
15 Fluoranthene	202	6.586	6.592	(1.149)	61870	2.48069	226.4510
16 Pyrene	202	6.757	6.763	(0.880)	47407	2.01490	183.9310
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	34239	1.52687	139.3807
19 Chrysene	228	7.698	7.710	(1.002)	26764	1.10580	100.9432
20 Benzo(b)fluoranthene	252	8.515	8.533	(0.961)	39587	1.77974	162.4643(M)
21 Benzo(k)fluoranthene	252	8.533	8.557	(0.963)	15823	0.73550	67.1408(M)
22 Benzo(a)pyrene	252	8.803	8.827	(0.994)	24636	1.17643	107.3905
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.056	(1.130)	13407	0.67405	61.5305(M)
25 Dibenzo(a,h)anthracene	278	10.015	10.074	(1.131)	5628	0.30630	27.9609(H)
26 Benzo(g,h,i)perylene	276	10.356	10.415	(1.169)	13967	0.68801	62.8055(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: 1CD04040.D

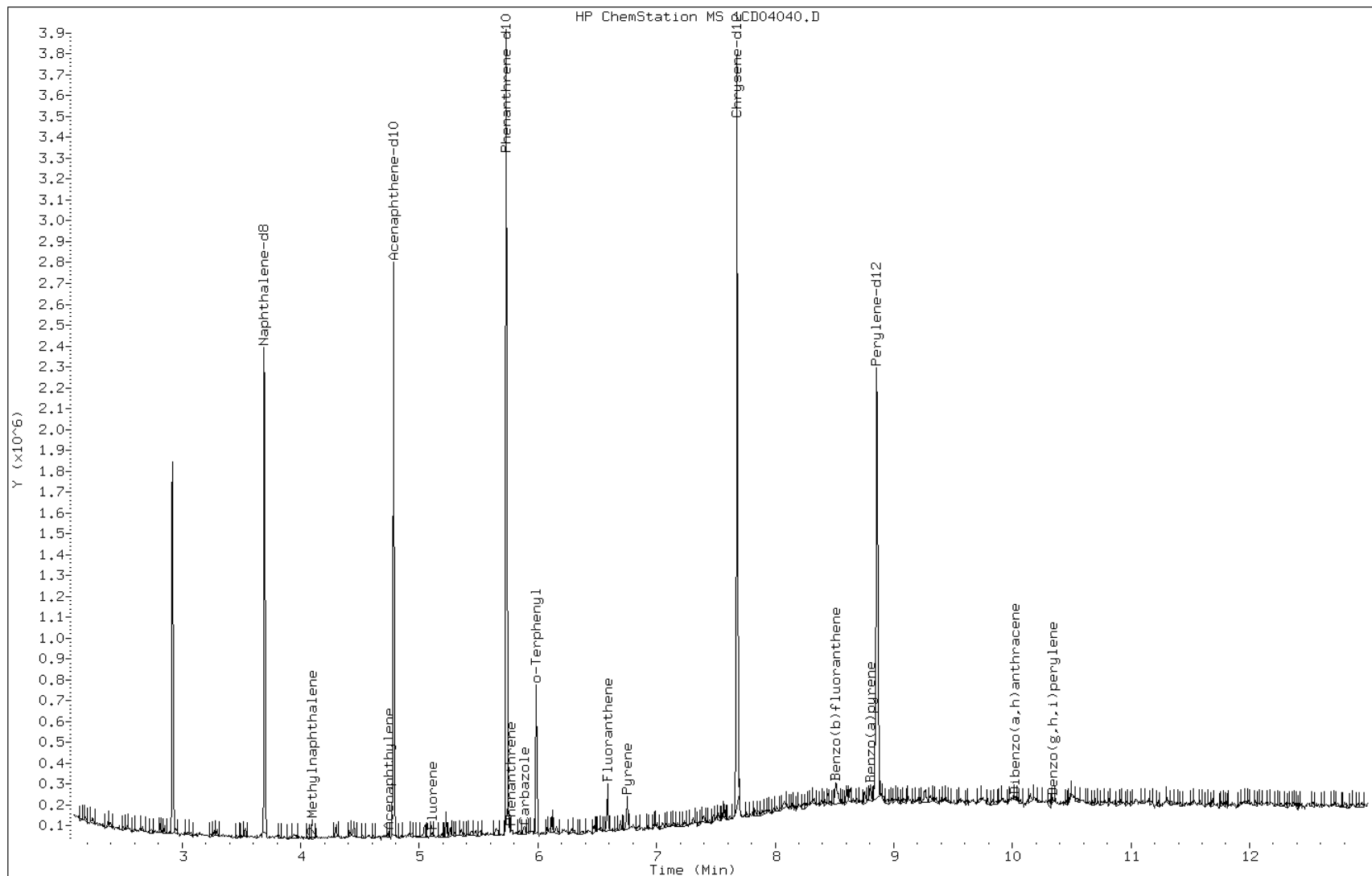
Date: 04-APR-2013 23:09

Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

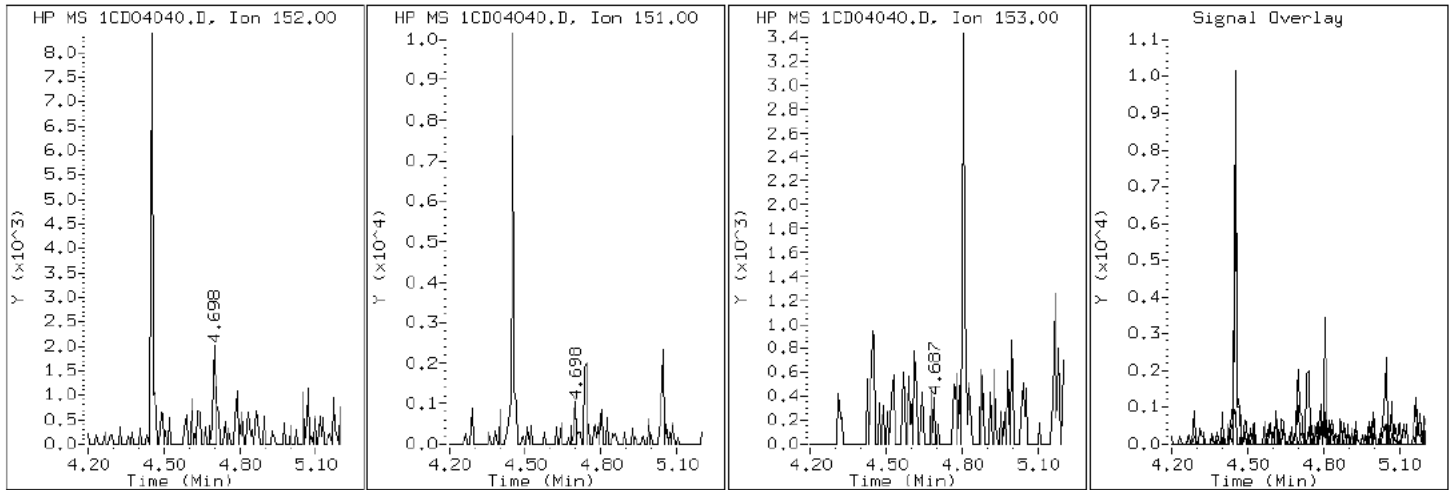
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

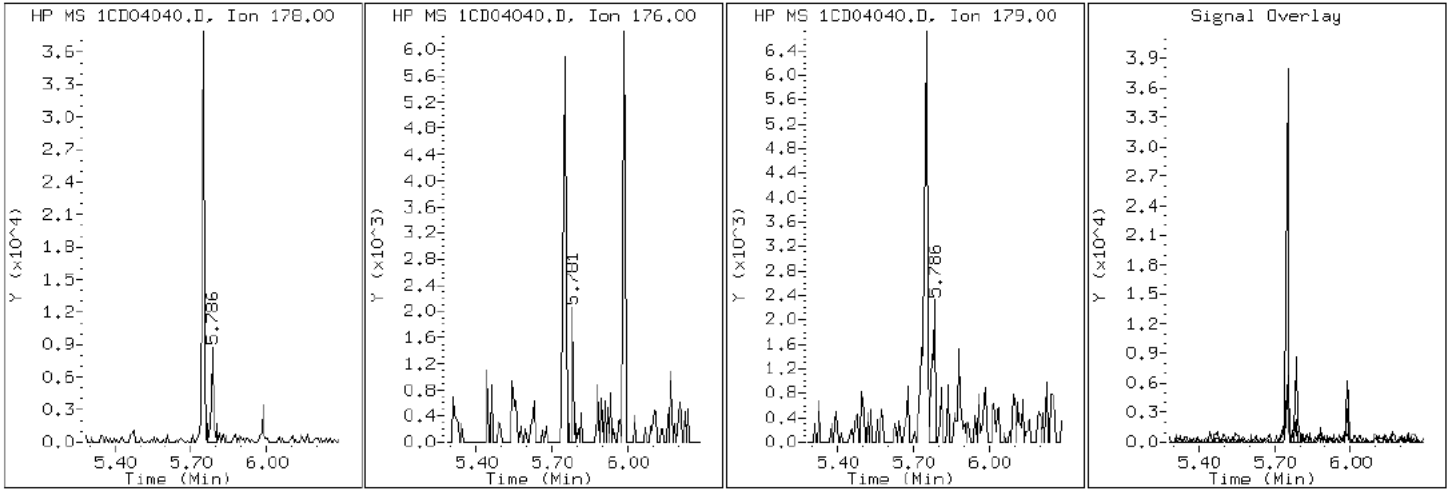
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

12 Anthracene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

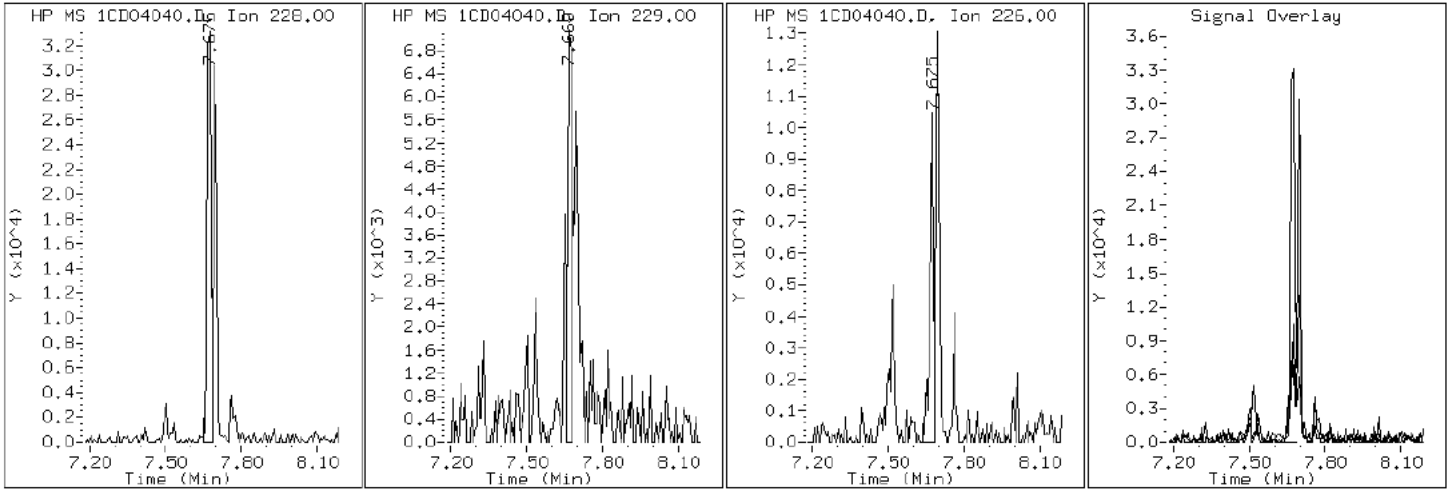
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

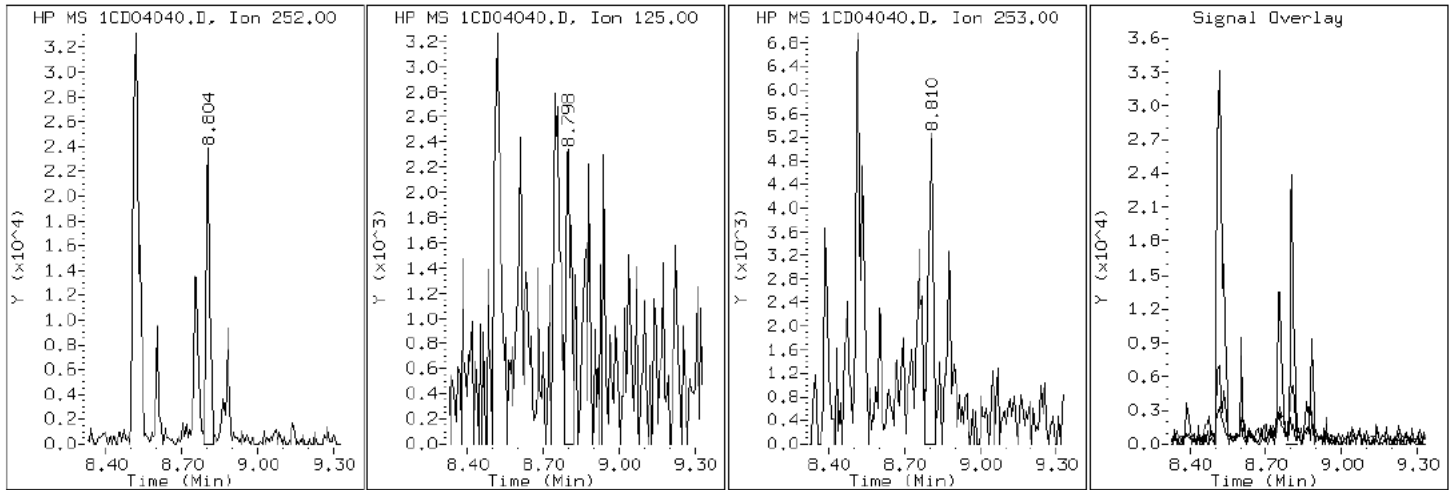
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

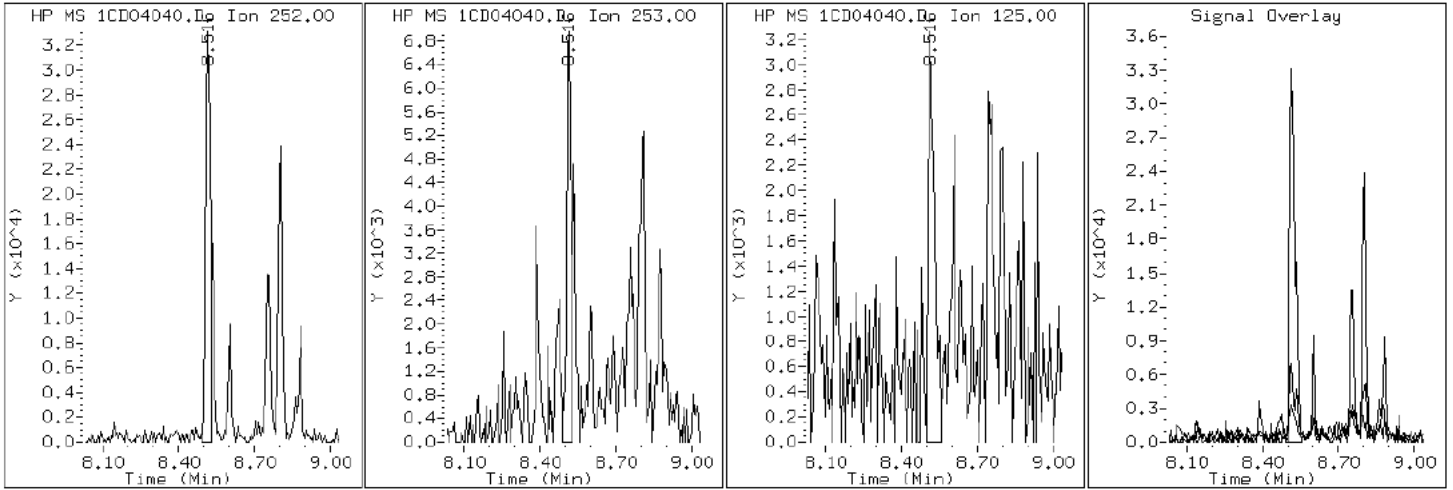
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

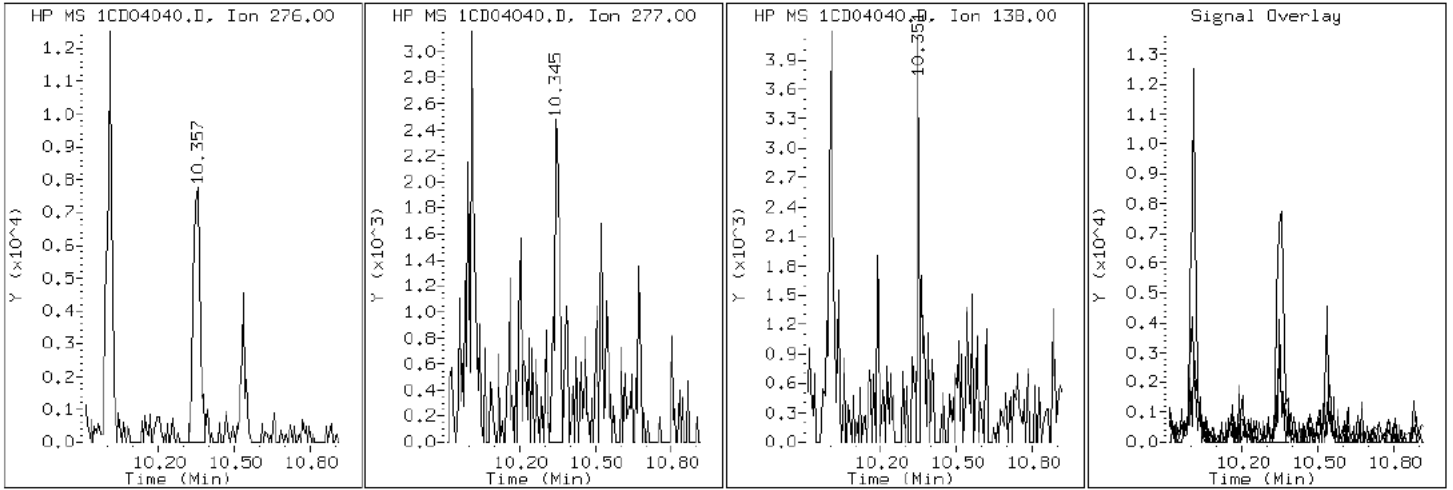
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

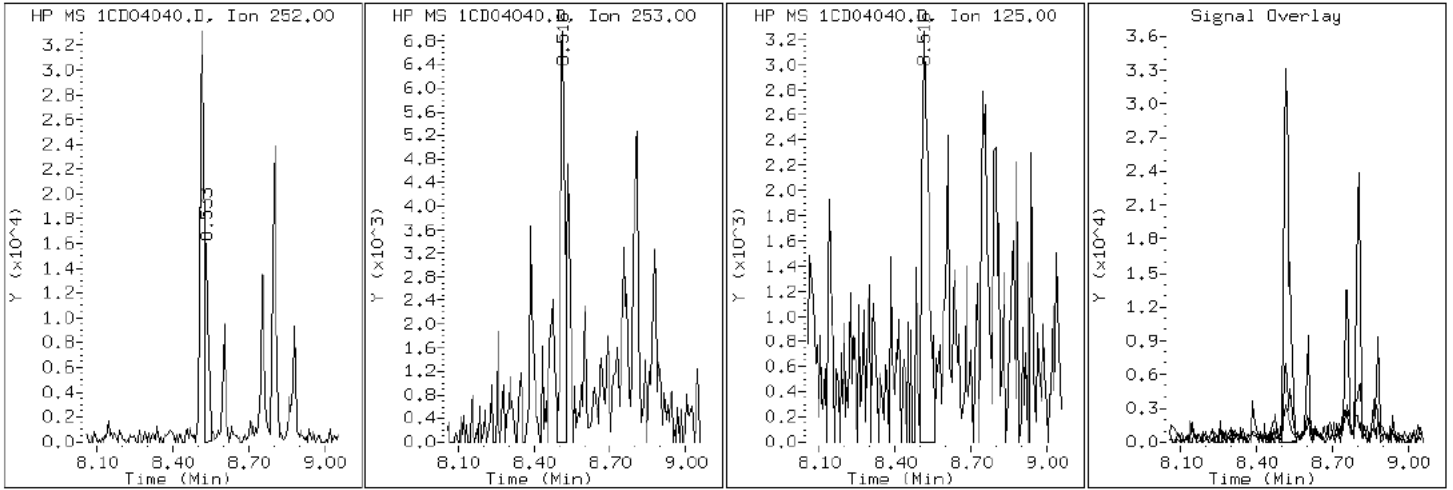
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

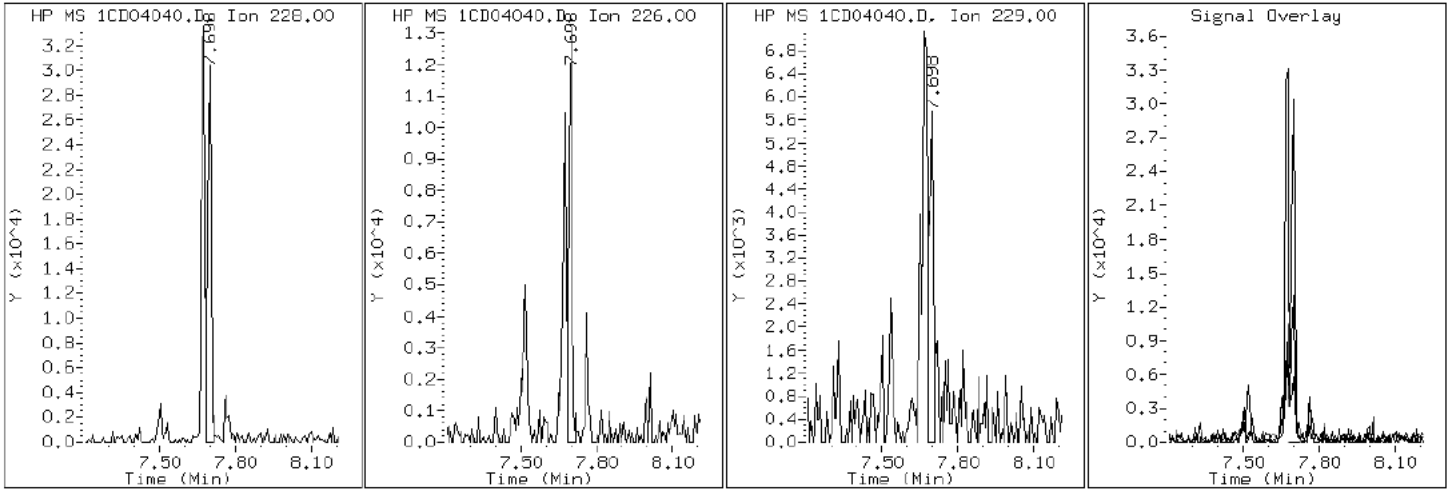
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

19 Chrysene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

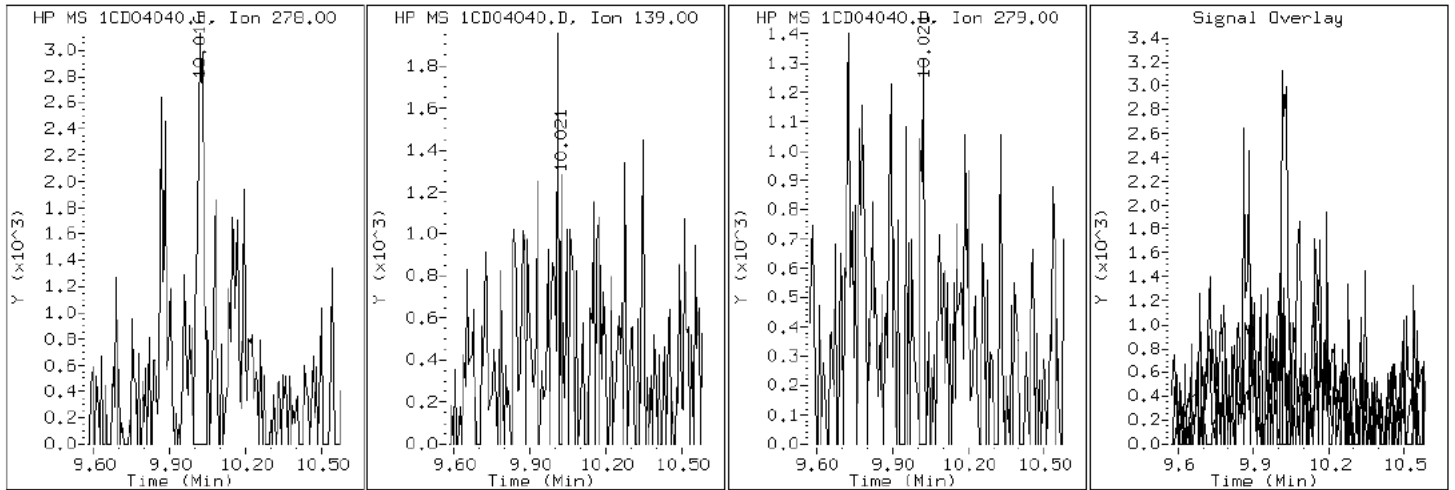
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

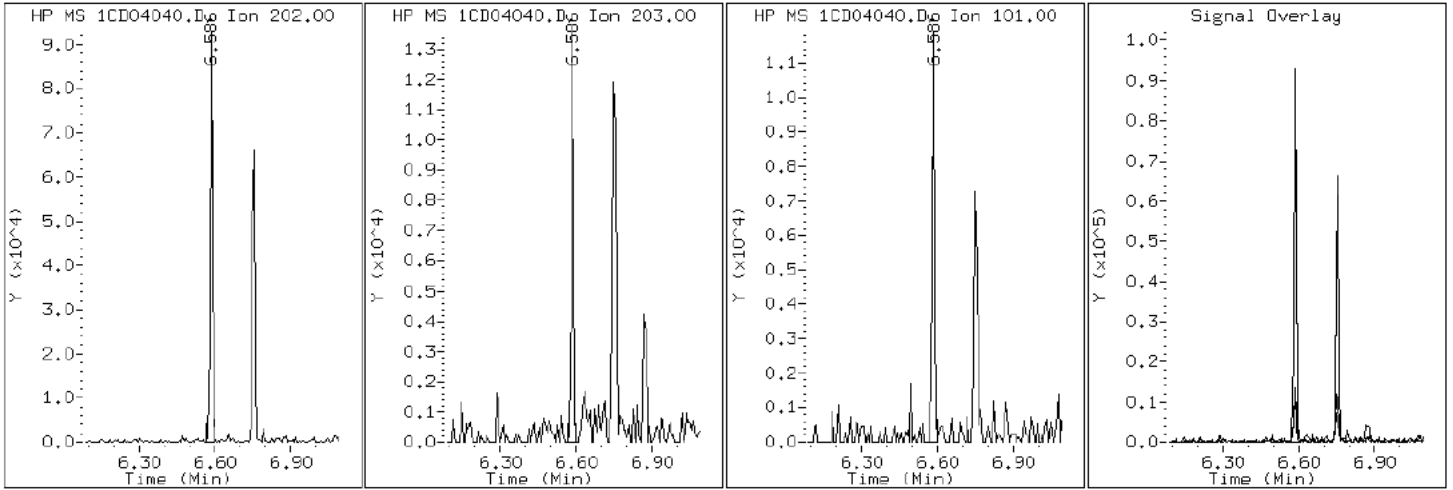
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

15 Fluoranthene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

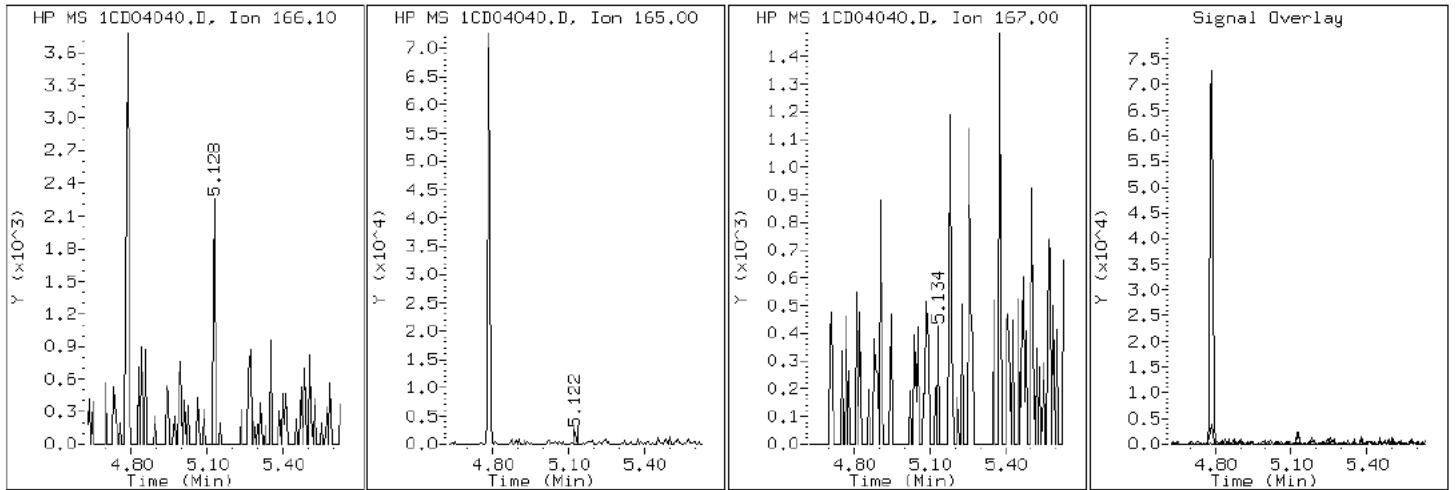
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

9 Fluorene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

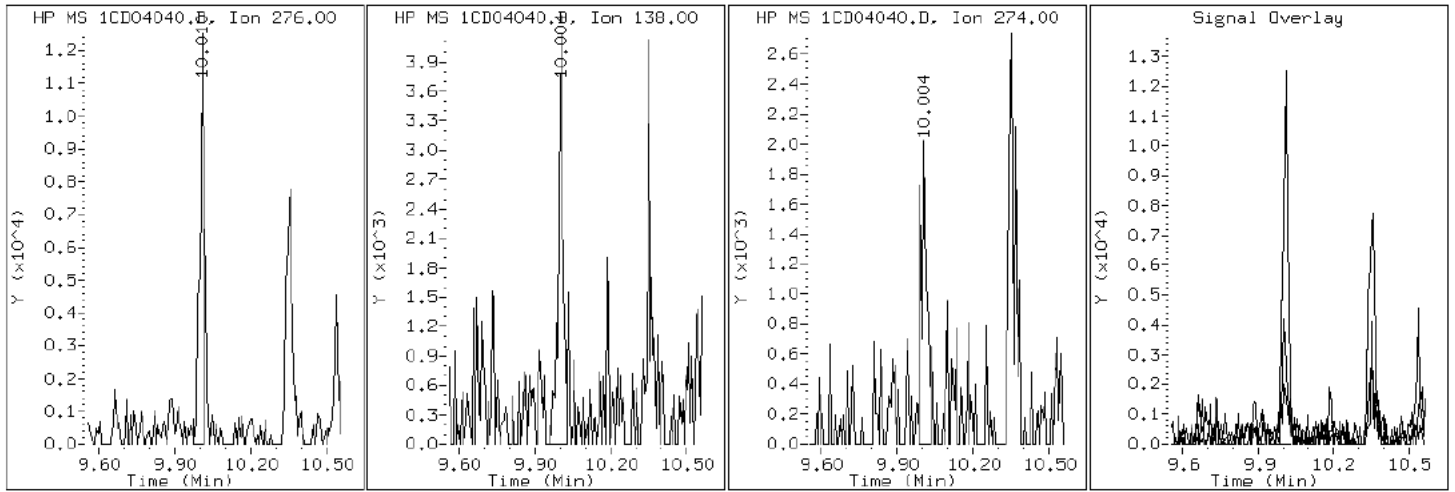
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

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



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

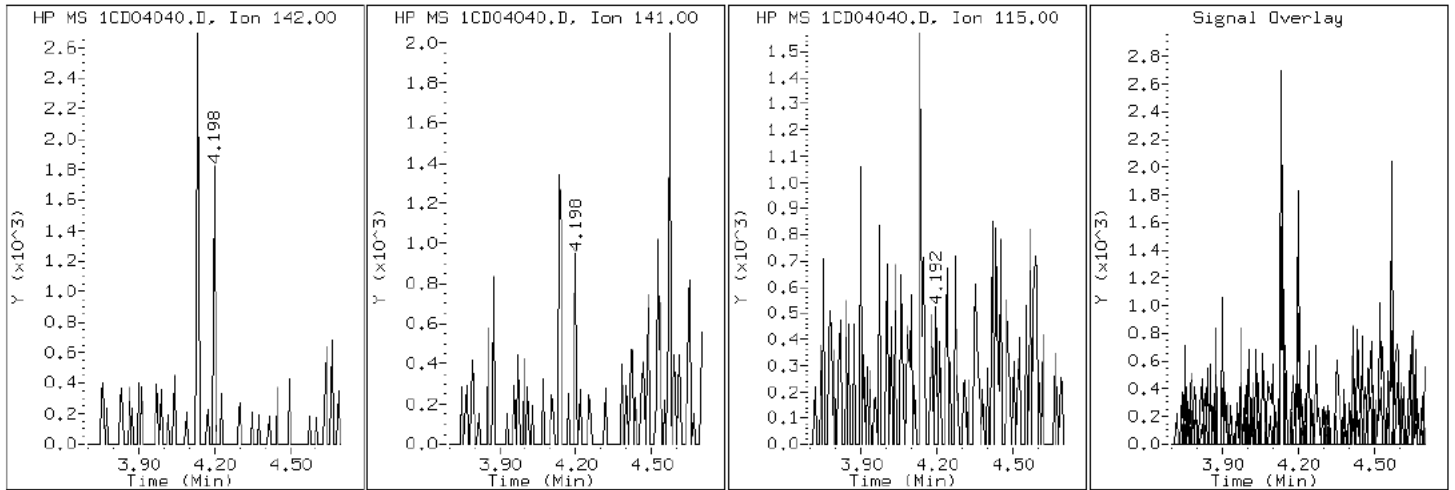
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

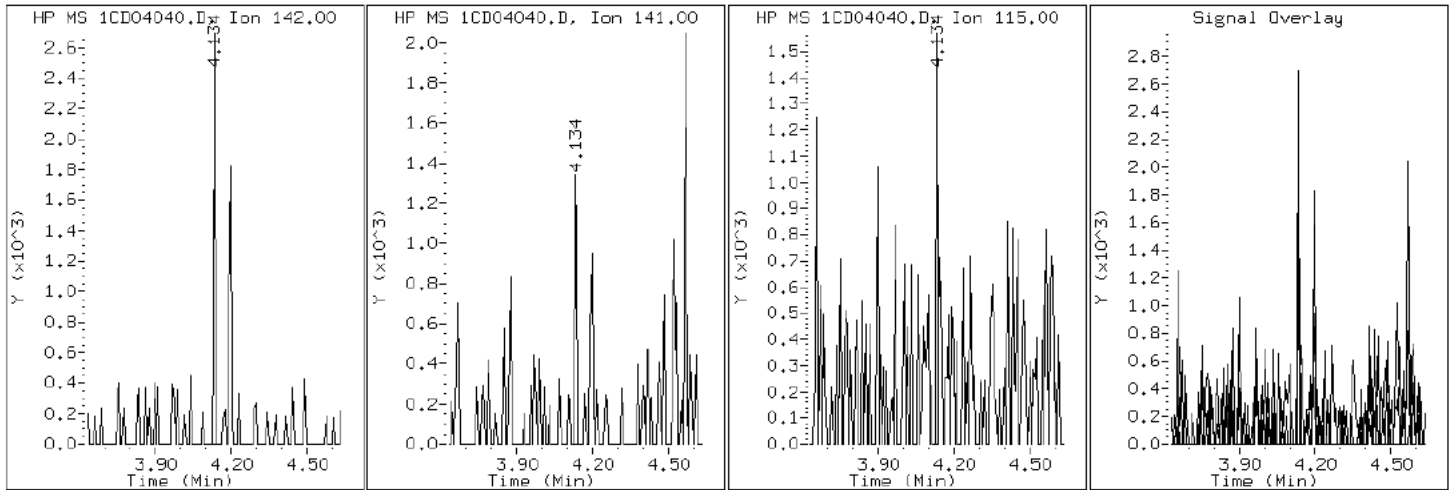
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

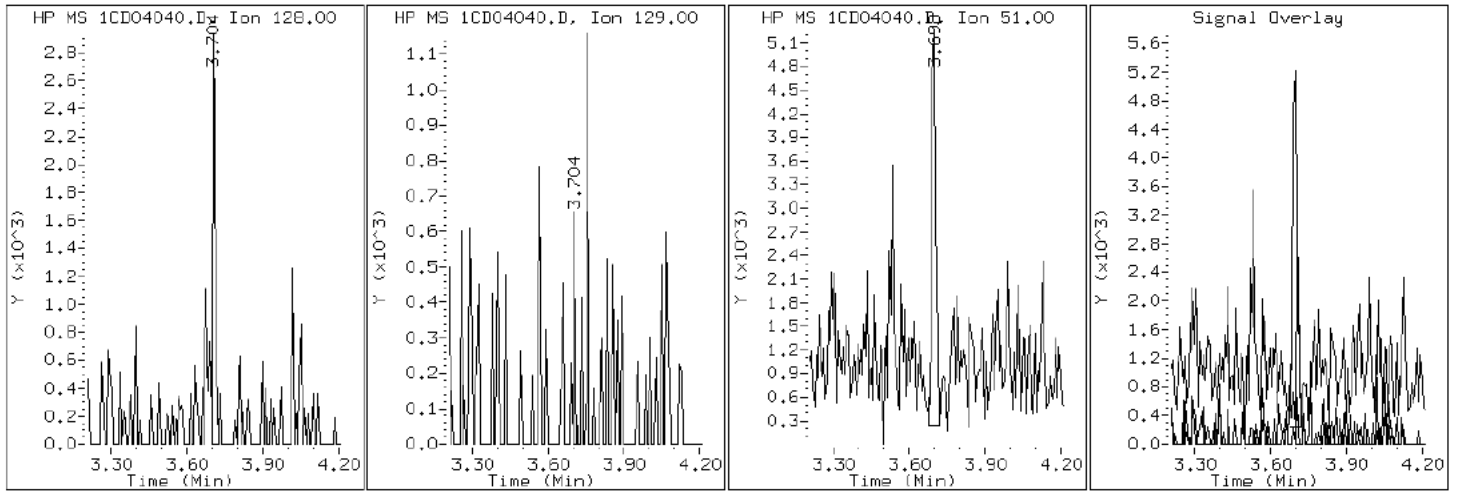
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

2 Naphthalene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

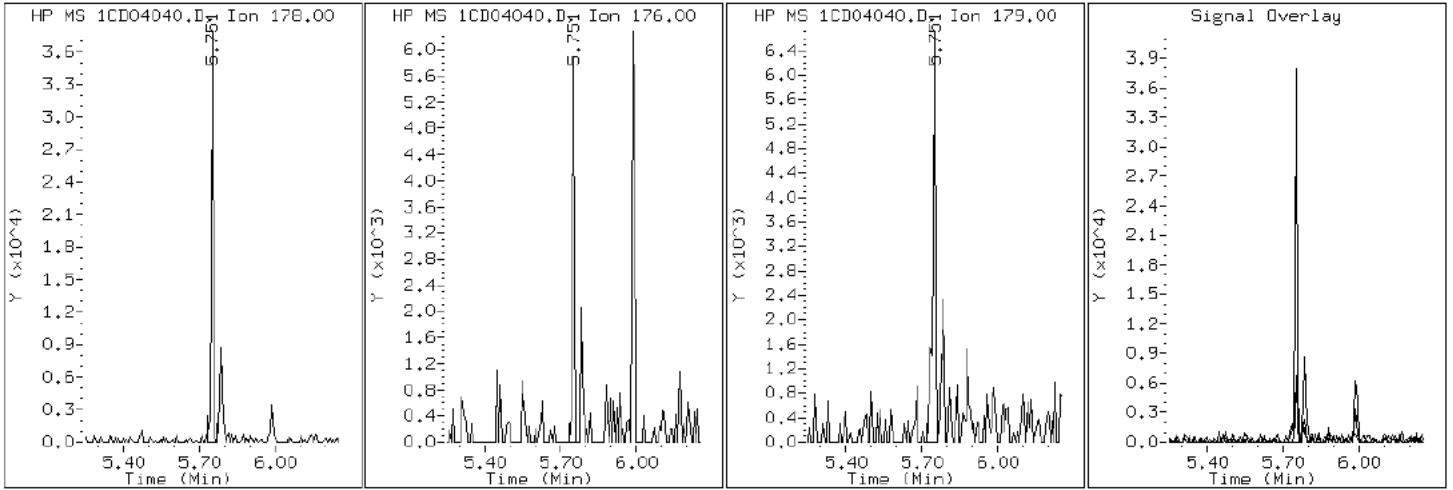
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

11 Phenanthrene



Data File: 1CD04040.D

Date: 04-APR-2013 23:09

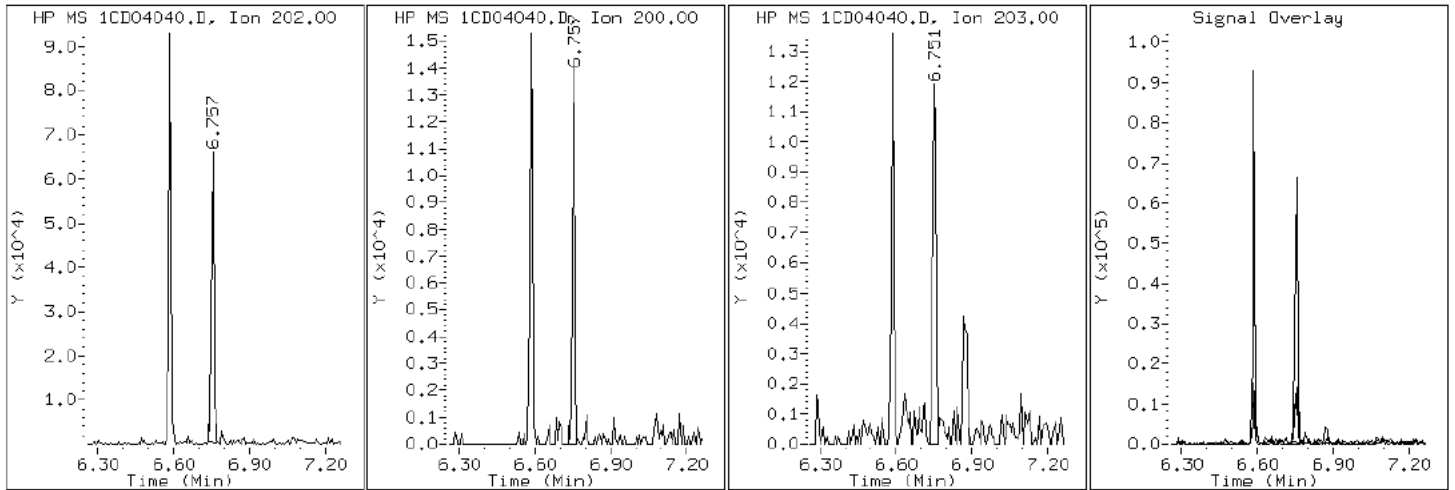
Client ID: CV0509S-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-28-a

Operator: SCC

16 Pyrene

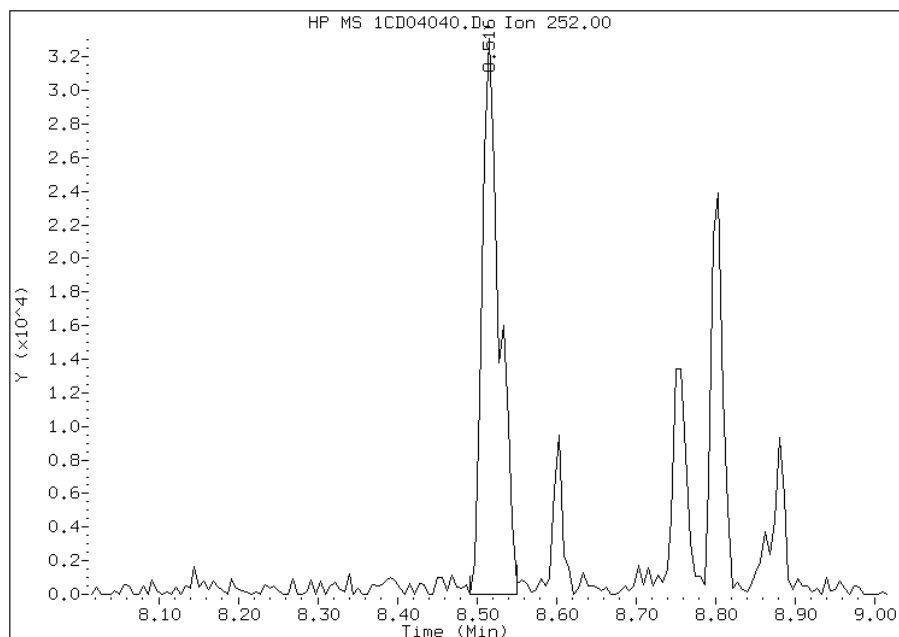


Manual Integration Report

Data File: 1CD04040.D
Inj. Date and Time: 04-APR-2013 23:09
Instrument ID: BSMC5973.i
Client ID: CV0509S-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/05/2013

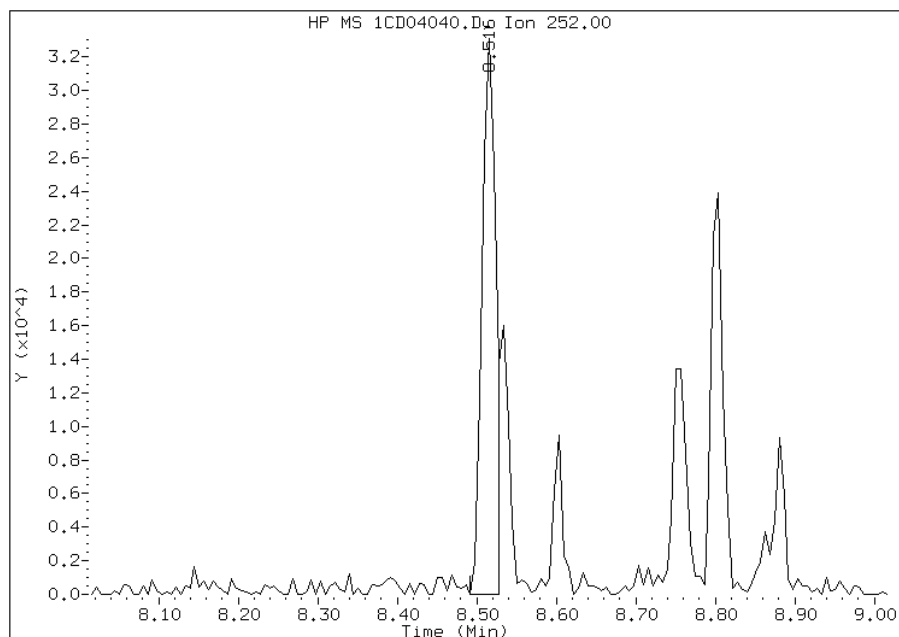
Processing Integration Results

RT: 8.52
Response: 50589
Amount: 2
Conc: 208



Manual Integration Results

RT: 8.52
Response: 39587
Amount: 2
Conc: 162



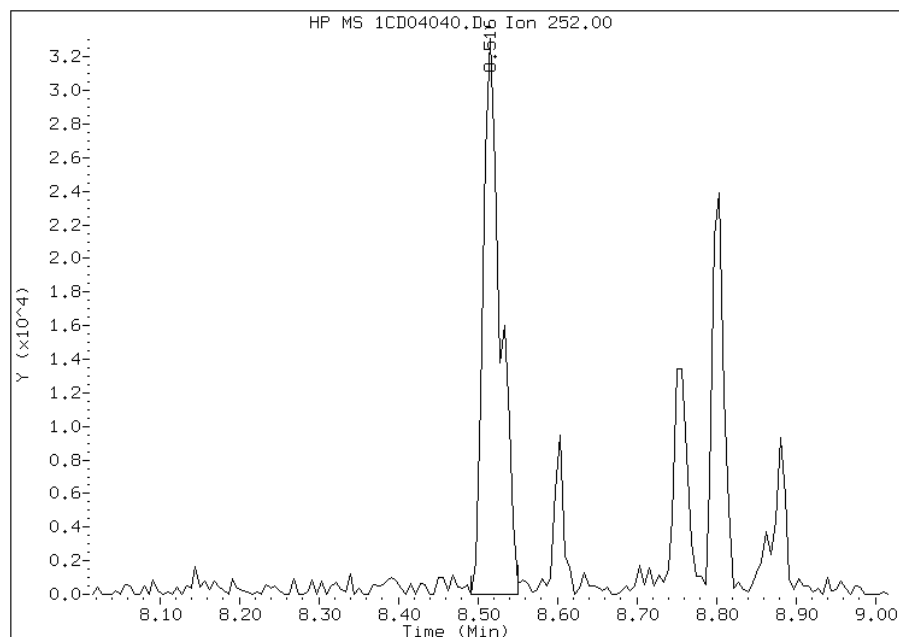
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:14
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD04040.D
Inj. Date and Time: 04-APR-2013 23:09
Instrument ID: BSMC5973.i
Client ID: CV0509S-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/05/2013

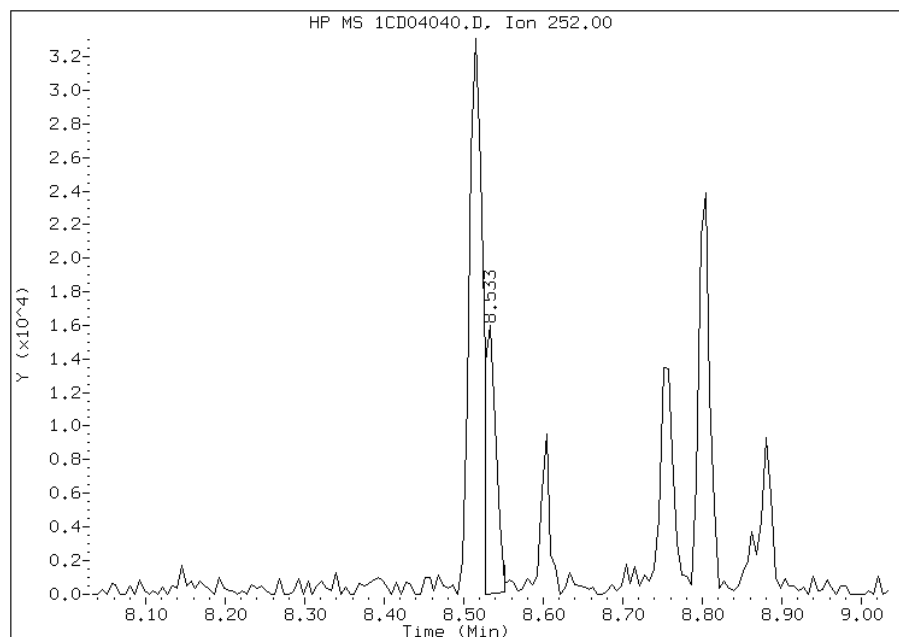
Processing Integration Results

RT: 8.52
Response: 50589
Amount: 2
Conc: 215



Manual Integration Results

RT: 8.53
Response: 15823
Amount: 1
Conc: 67



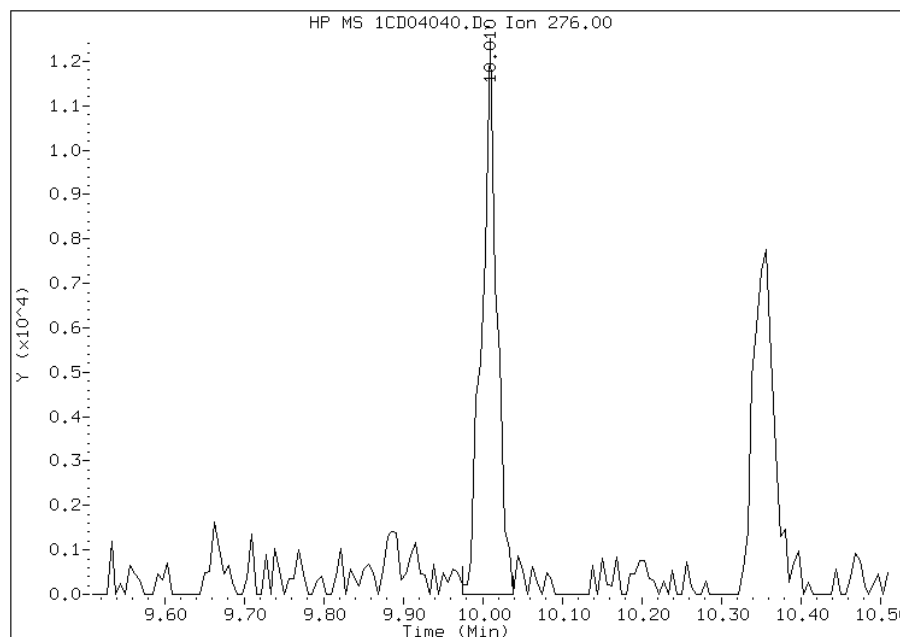
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:14
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04040.D
Inj. Date and Time: 04-APR-2013 23:09
Instrument ID: BSMC5973.i
Client ID: CV0509S-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

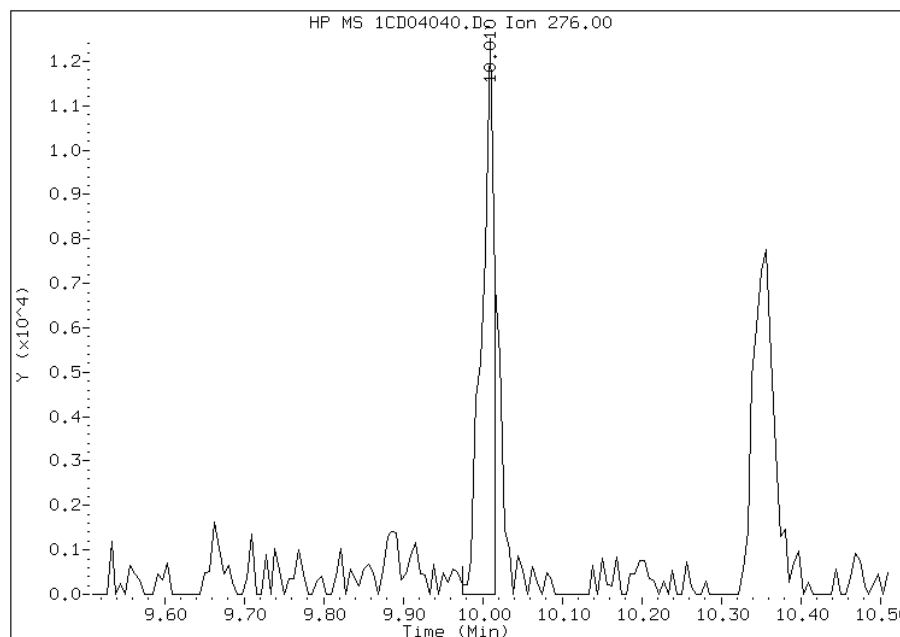
Processing Integration Results

RT: 10.01
Response: 16161
Amount: 1
Conc: 74



Manual Integration Results

RT: 10.01
Response: 13407
Amount: 1
Conc: 62



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 15:14
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509T-CS Lab Sample ID: 680-88767-29
 Matrix: Solid Lab File ID: 1CD04012.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:20
 Extract. Method: 3546 Date Extracted: 04/03/2013 13:44
 Sample wt/vol: 14.86(g) Date Analyzed: 04/04/2013 14:35
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 33.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 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	7.6
120-12-7	Anthracene	65		13	6.3
56-55-3	Benzo[a]anthracene	320		12	5.9
50-32-8	Benzo[a]pyrene	310		16	7.9
205-99-2	Benzo[b]fluoranthene	360		18	9.2
191-24-2	Benzo[g,h,i]perylene	160		30	6.6
207-08-9	Benzo[k]fluoranthene	210		12	5.4
218-01-9	Chrysene	300		14	6.8
53-70-3	Dibenz(a,h)anthracene	44		30	6.2
206-44-0	Fluoranthene	560		30	6.0
86-73-7	Fluorene	28	J	30	6.2
193-39-5	Indeno[1,2,3-cd]pyrene	160		30	11
90-12-0	1-Methylnaphthalene	45	J	60	6.6
91-57-6	2-Methylnaphthalene	56	J	60	11
91-20-3	Naphthalene	37	J	60	6.6
85-01-8	Phenanthrene	260		12	5.9
129-00-0	Pyrene	450		30	5.6

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

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMC5973.i\1C040413.b\1CD04012.D
 Lab Smp Id: 680-88767-A-29-A Client Smp ID: CV0509T-CS
 Inj Date : 04-APR-2013 14:35
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-A-29-A
 Misc Info : 680-88767-A-29-A
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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	14.860	Weight Extracted
M	33.174	% 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		3.698	3.692	(1.000)	465161	40.0000		
* 6 Acenaphthene-d10	164		4.780	4.786	(1.000)	348189	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	695915	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	83062	8.03782	809.4223	
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	834047	40.0000		
* 23 Perylene-d12	264		8.868	8.886	(1.000)	825596	40.0000		
2 Naphthalene	128		3.710	3.710	(1.003)	4377	0.36635	36.8921(Q)	
3 2-Methylnaphthalene	142		4.133	4.133	(1.118)	4508	0.55429	55.8181	
4 1-Methylnaphthalene	142		4.198	4.198	(1.135)	3276	0.44766	45.0803	
9 Fluorene	166		5.127	5.127	(1.073)	3252	0.27331	27.5227	
11 Phenanthrene	178		5.751	5.751	(1.003)	52323	2.58152	259.9638	
12 Anthracene	178		5.786	5.786	(1.009)	13283	0.64650	65.1034	
13 Carbazole	167		5.892	5.898	(1.028)	7073	0.40181	40.4631	
15 Fluoranthene	202		6.586	6.592	(1.149)	123640	5.52365	556.2410	

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
-----	----	----	-----	-----	-----	-----	-----	
16 Pyrene	202	6.757	6.763	(0.880)	102299	4.42781	445.8884	
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	72344	3.12920	315.1160	
19 Chrysene	228	7.704	7.710	(1.003)	69749	2.93474	295.5332	
20 Benzo(b)fluoranthene	252	8.521	8.533	(0.961)	84344	3.61366	363.9024	
21 Benzo(k)fluoranthene	252	8.539	8.557	(0.963)	47021	2.08295	209.7564	
22 Benzo(a)pyrene	252	8.810	8.827	(0.993)	66905	3.04469	306.6053	
24 Indeno(1,2,3-cd)pyrene	276	10.021	10.056	(1.130)	32478	1.55610	156.7016(M)	
25 Dibenzo(a,h)anthracene	278	10.027	10.074	(1.131)	8350	0.43308	43.6123(H)	
26 Benzo(g,h,i)perylene	276	10.362	10.415	(1.168)	32892	1.54409	155.4929(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: 1CD04012.D

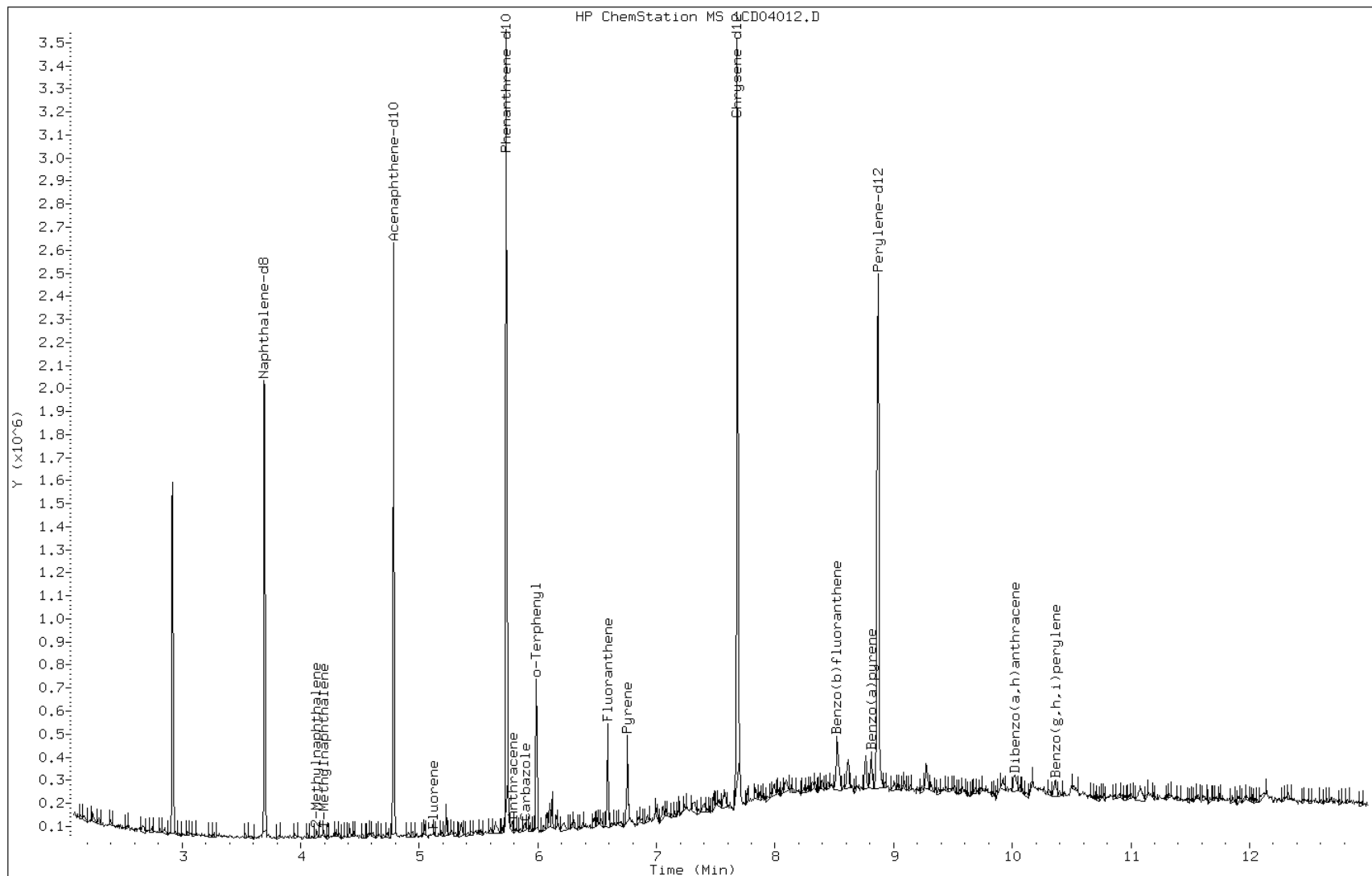
Date: 04-APR-2013 14:35

Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

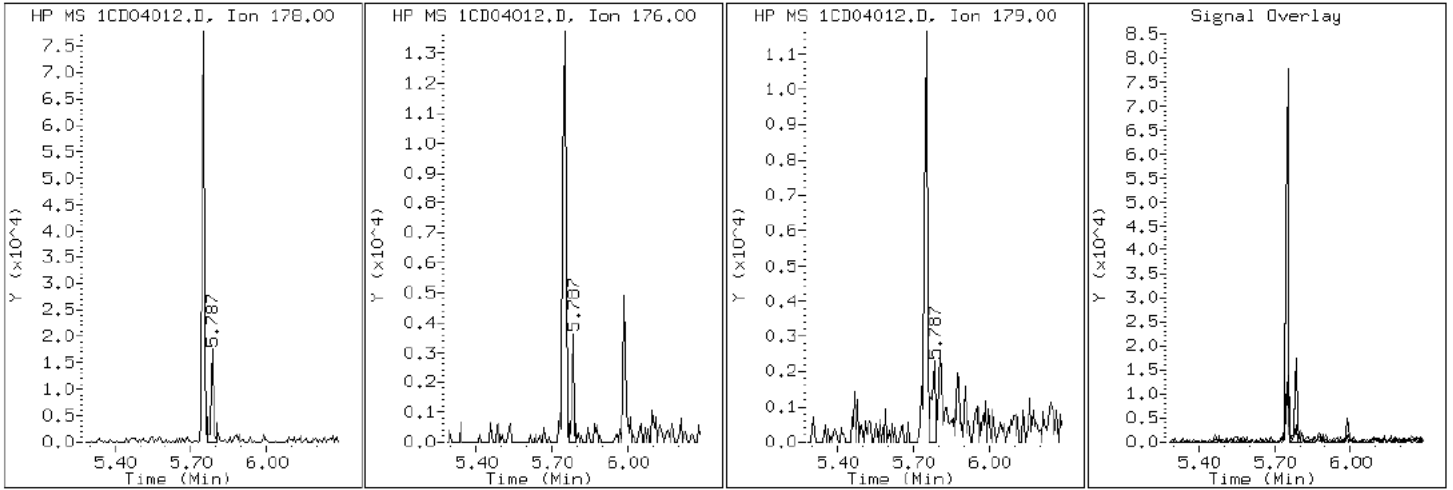
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

12 Anthracene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

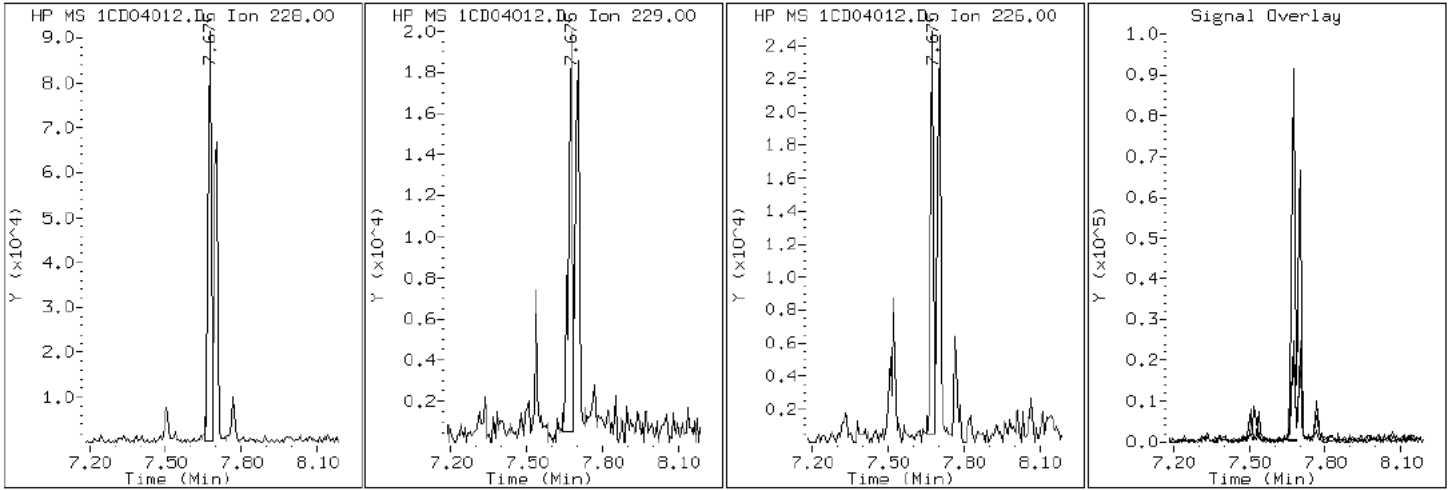
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

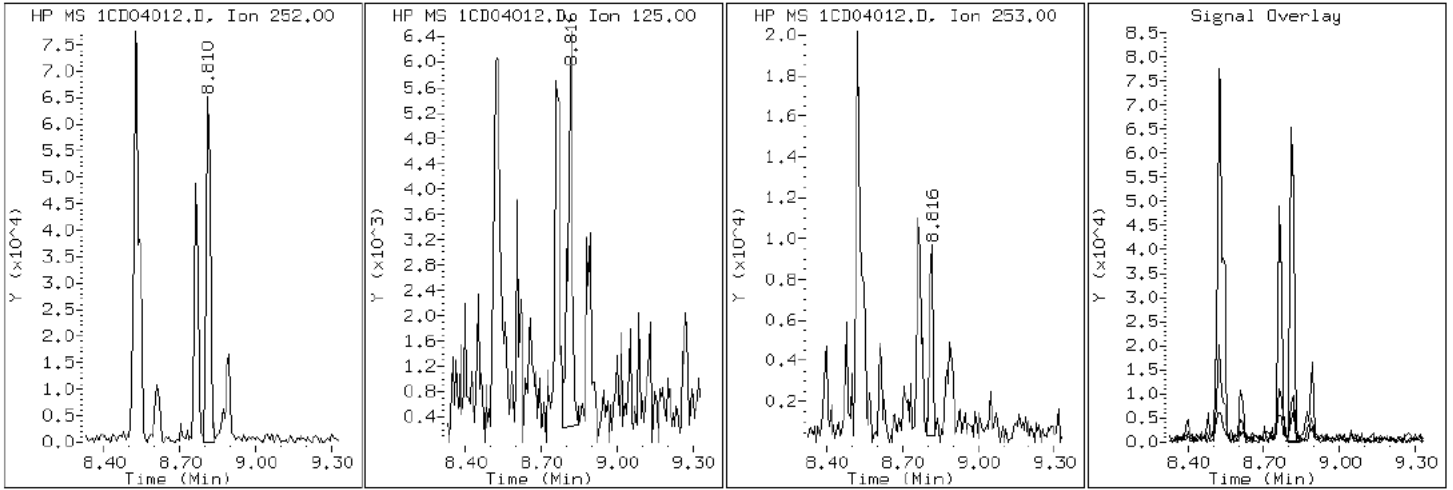
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

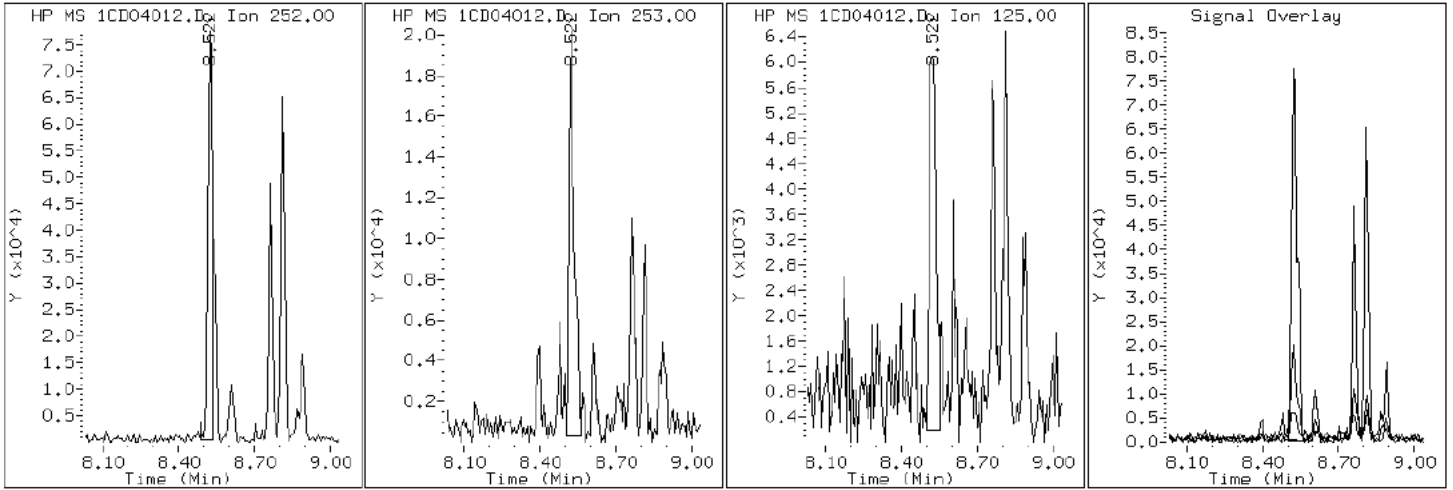
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

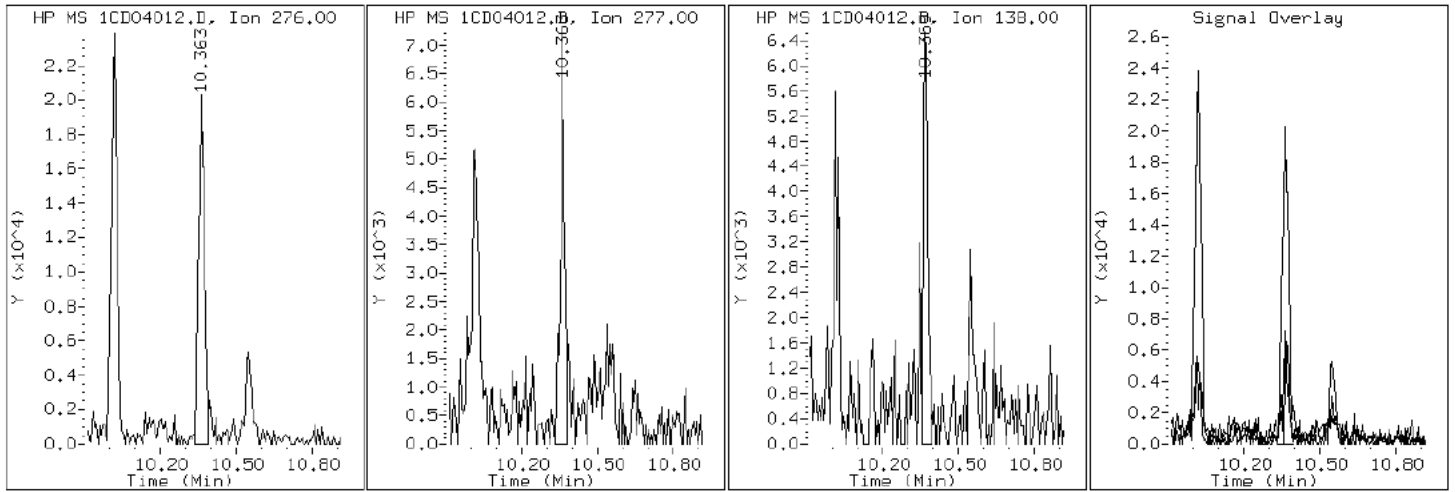
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

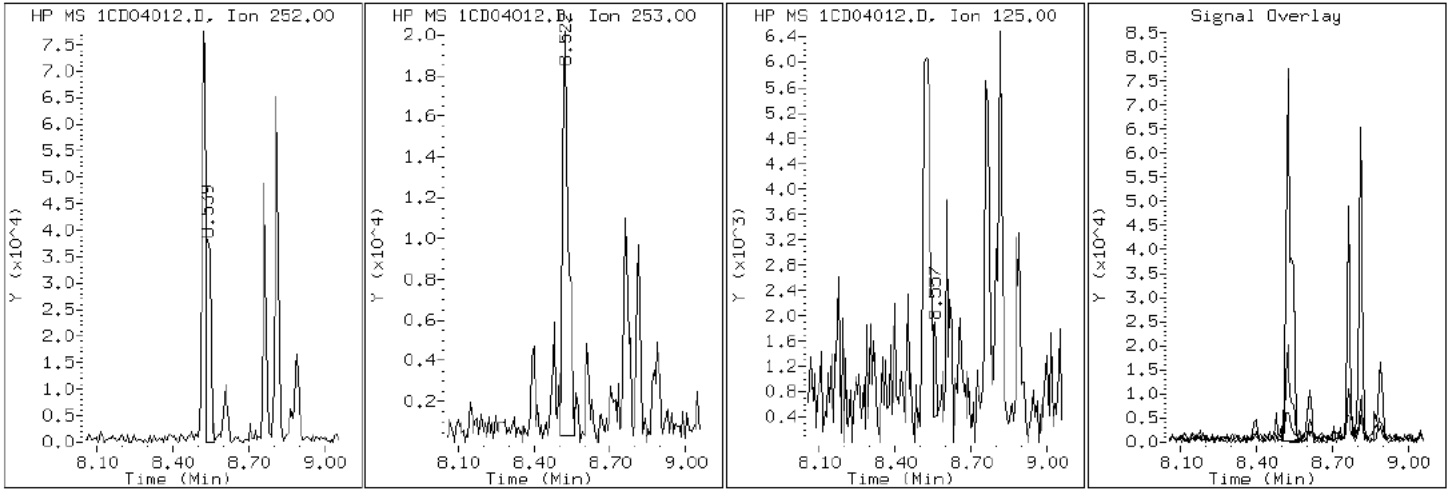
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

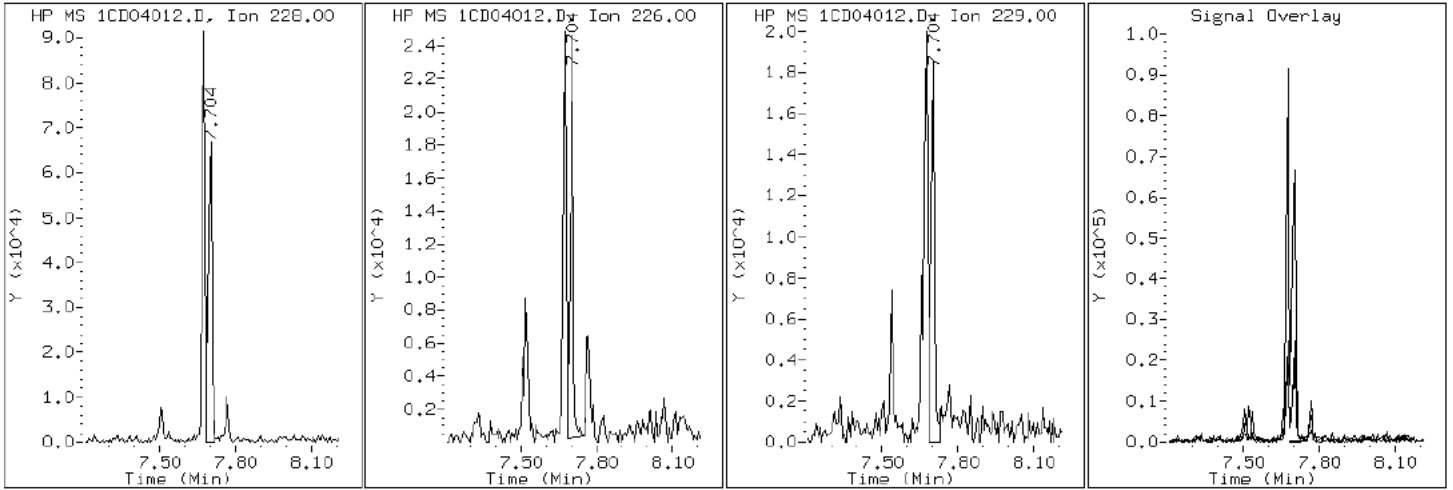
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

19 Chrysene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

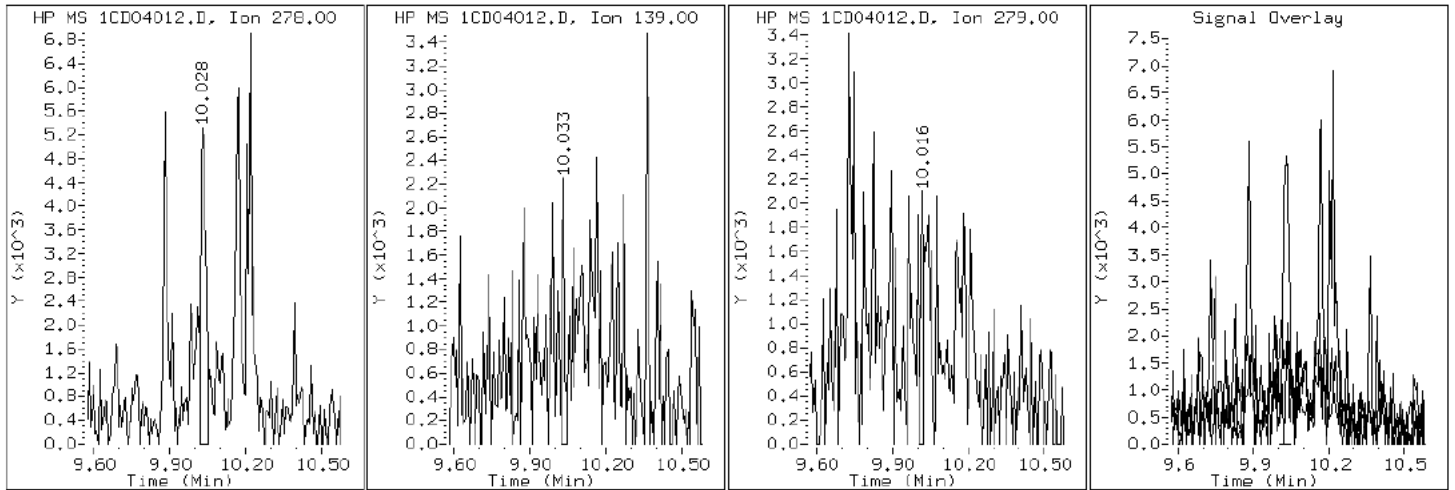
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

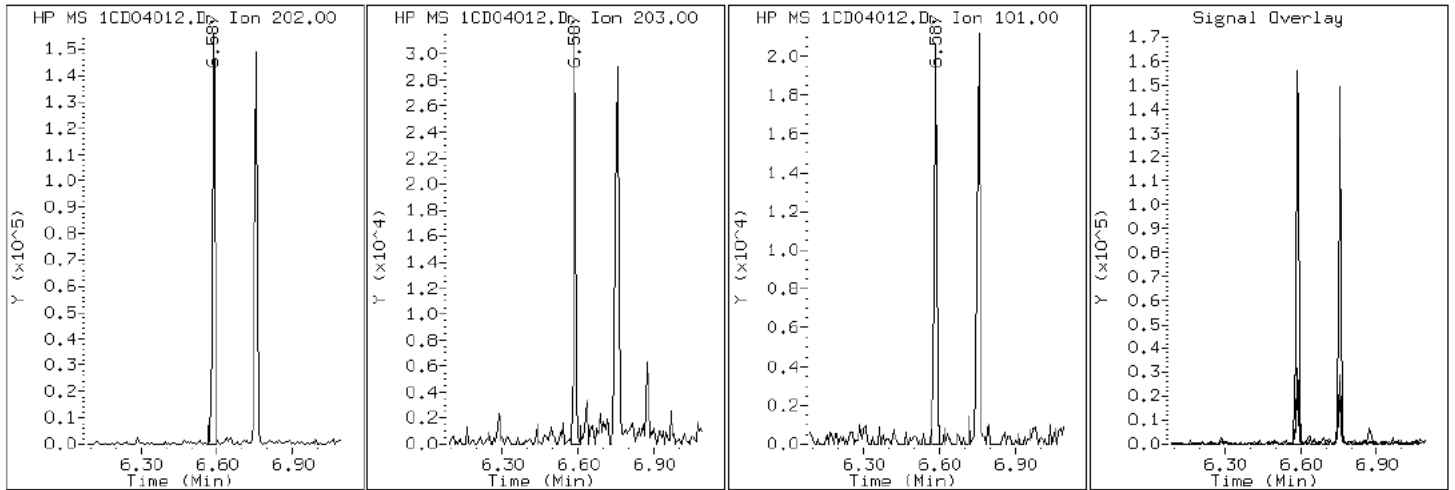
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

15 Fluoranthene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

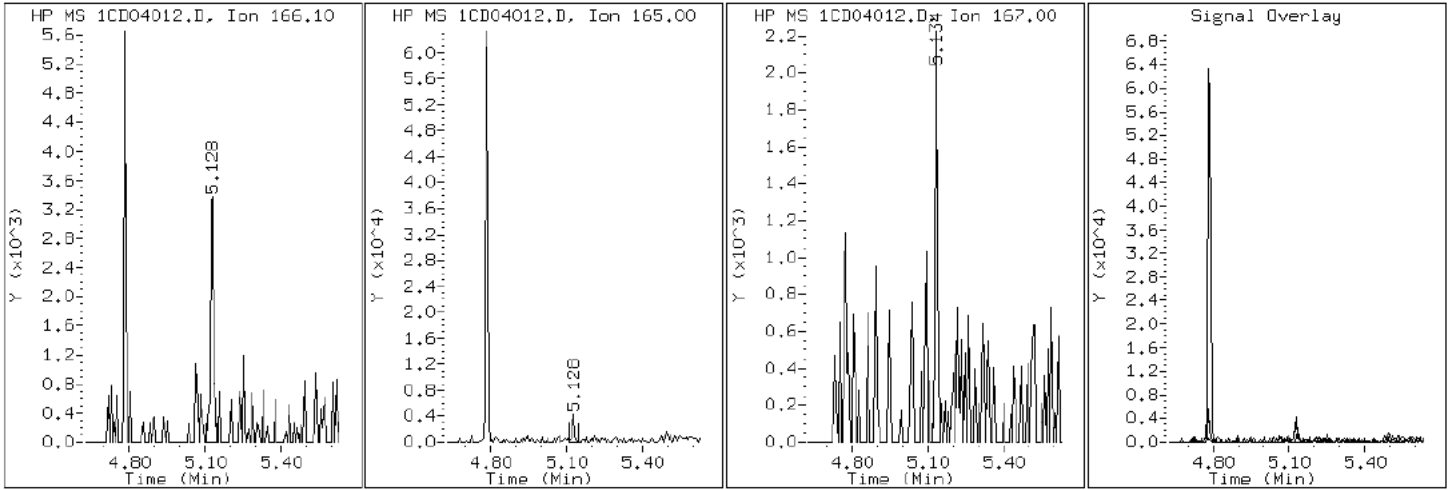
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

9 Fluorene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

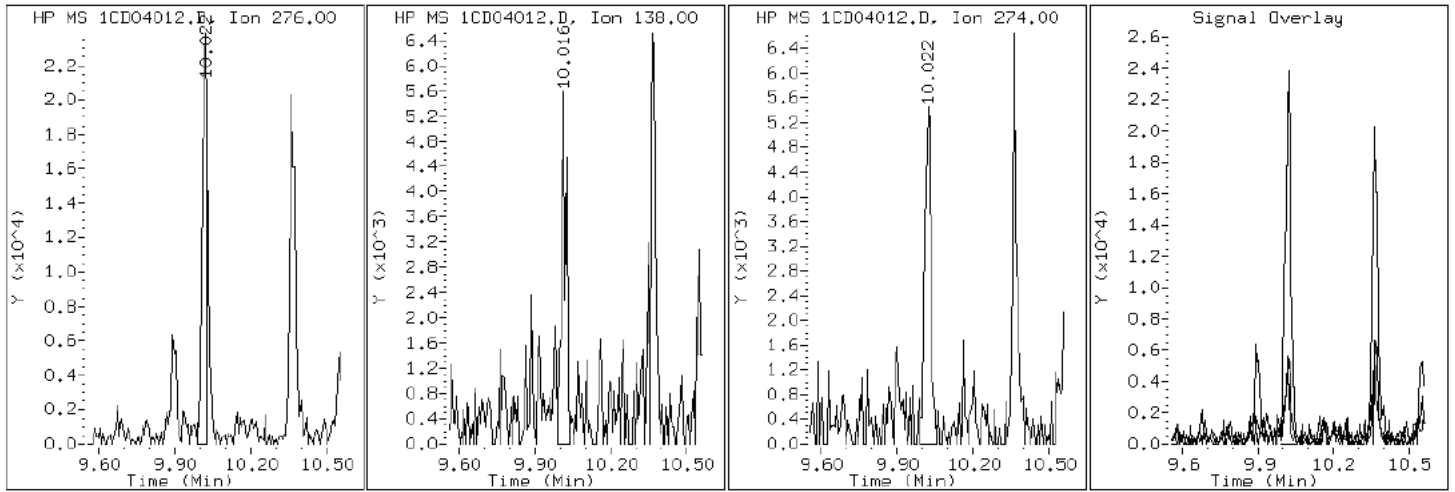
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

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



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

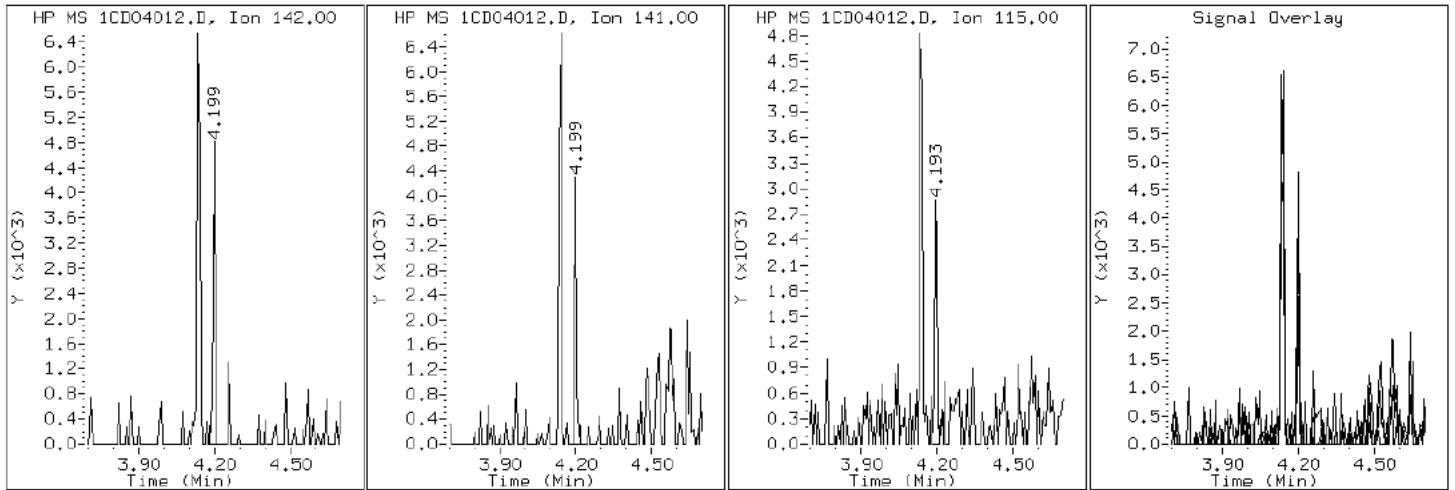
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

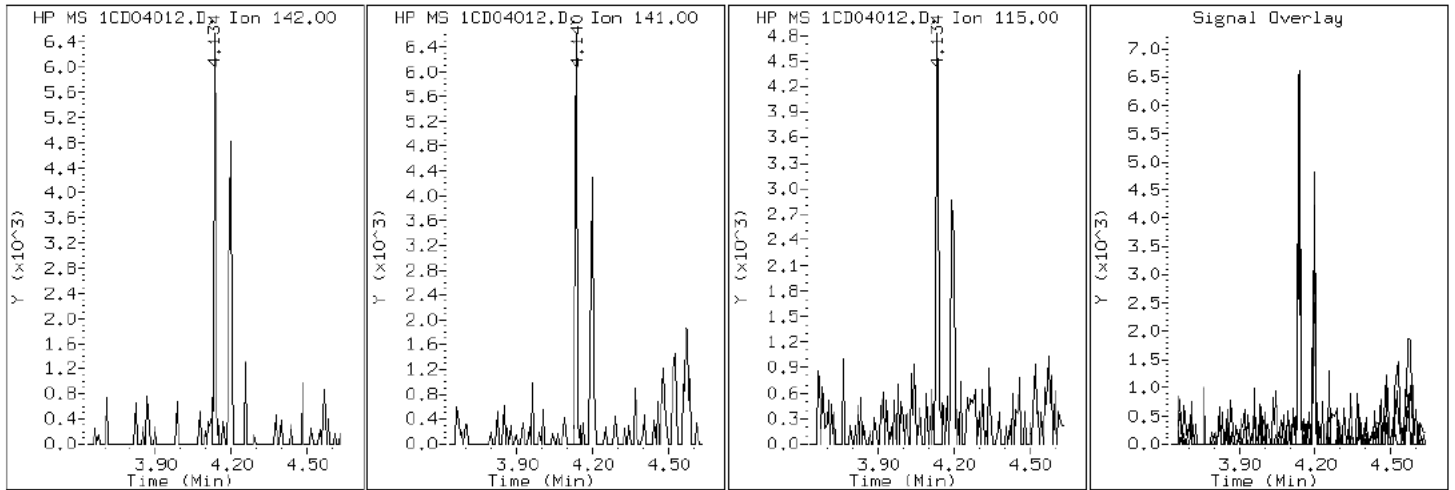
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

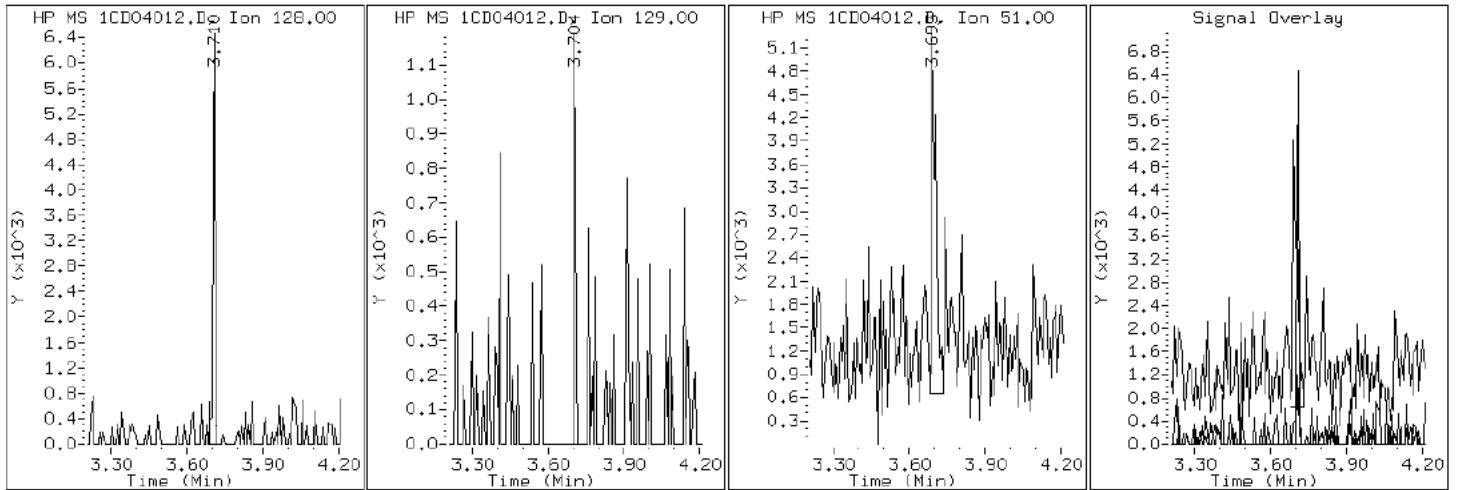
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

2 Naphthalene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

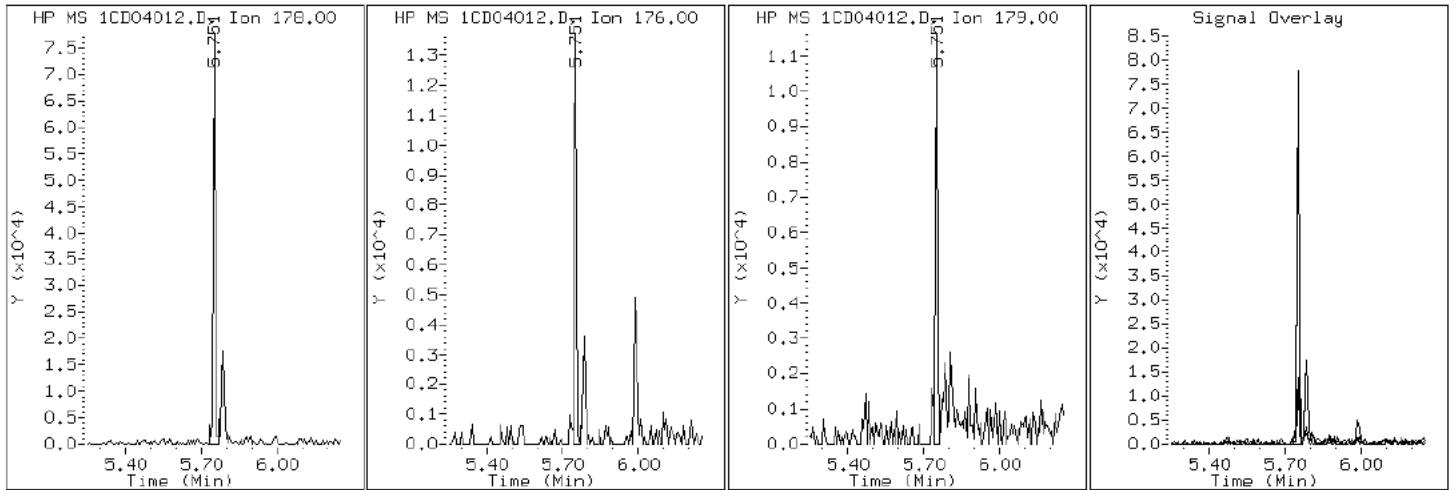
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

11 Phenanthrene



Data File: 1CD04012.D

Date: 04-APR-2013 14:35

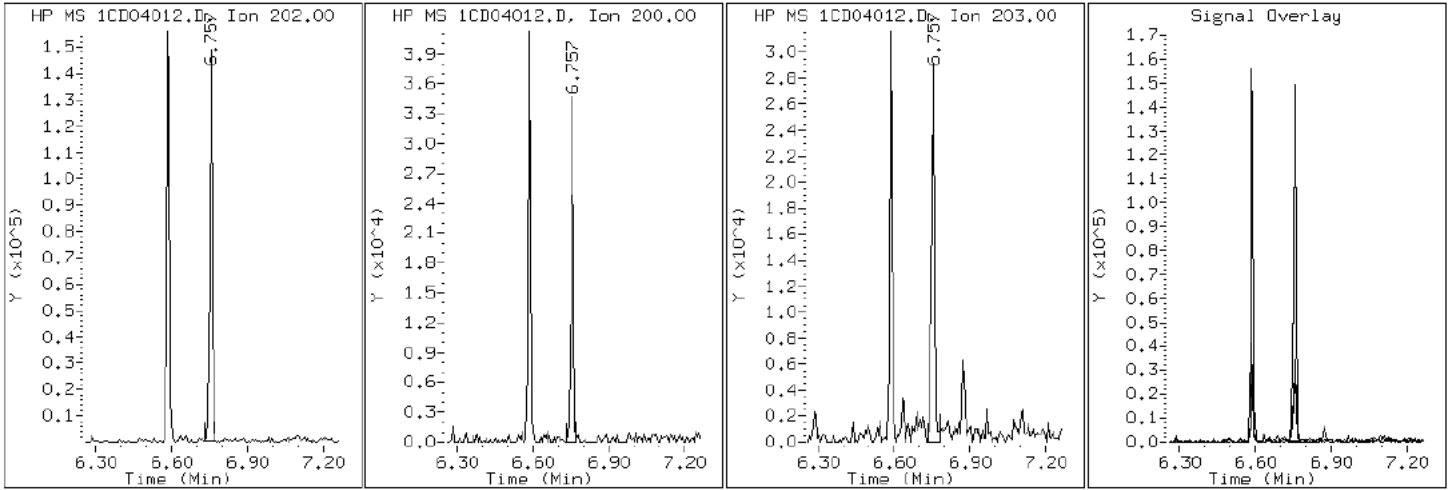
Client ID: CV0509T-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-29-A

Operator: SCC

16 Pyrene

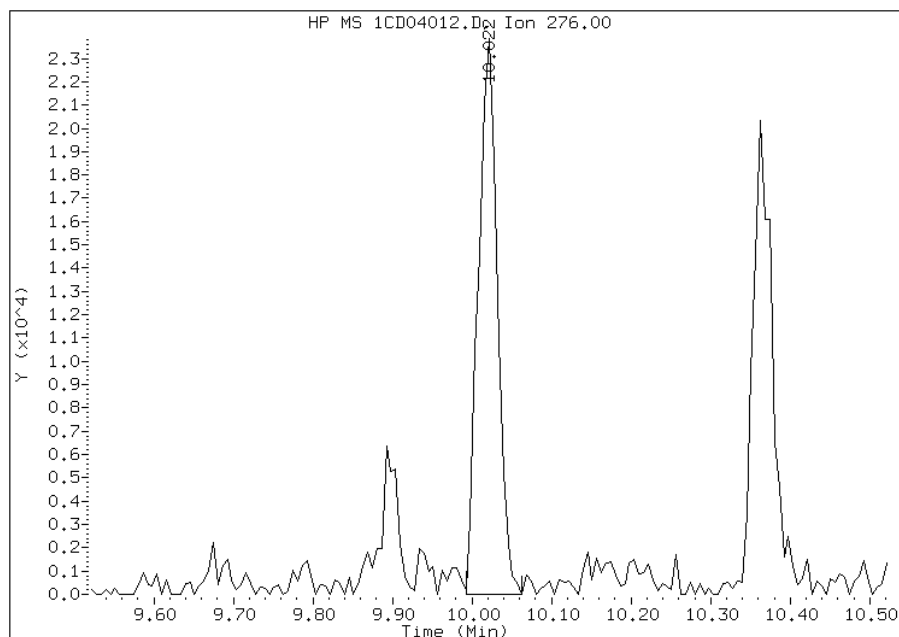


Manual Integration Report

Data File: 1CD04012.D
Inj. Date and Time: 04-APR-2013 14:35
Instrument ID: BSMC5973.i
Client ID: CV0509T-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/04/2013

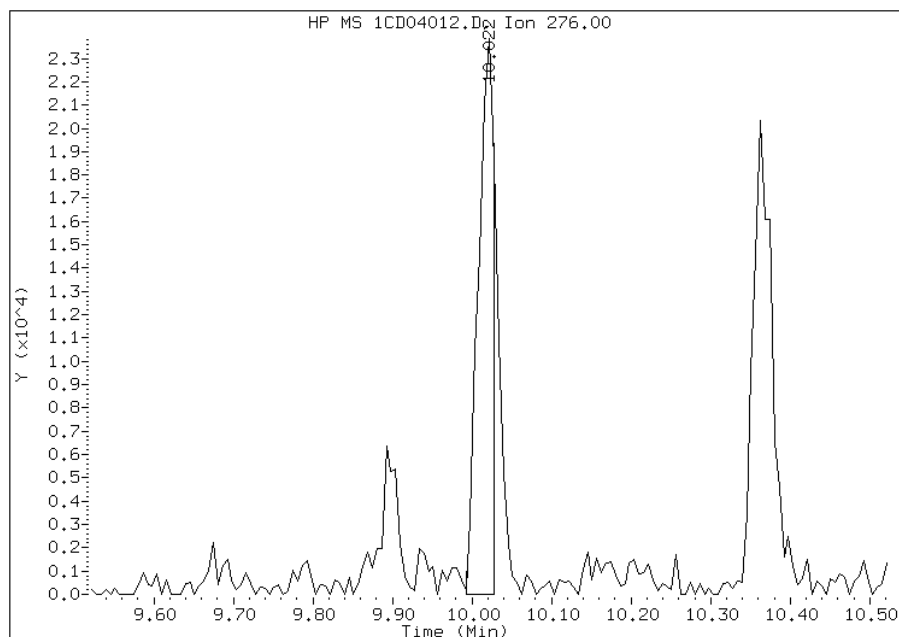
Processing Integration Results

RT: 10.02
Response: 39374
Amount: 2
Conc: 190



Manual Integration Results

RT: 10.02
Response: 32478
Amount: 2
Conc: 157



Manually Integrated By: cantins
Modification Date: 04-Apr-2013 16:01
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509T-CSD Lab Sample ID: 680-88767-30
 Matrix: Solid Lab File ID: 1CD04013.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:25
 Extract. Method: 3546 Date Extracted: 04/03/2013 13:44
 Sample wt/vol: 14.98(g) Date Analyzed: 04/04/2013 14:53
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 22.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	260	J	510	100
208-96-8	Acenaphthylene	69	J	210	26
120-12-7	Anthracene	540		43	22
56-55-3	Benzo[a]anthracene	2200		41	20
50-32-8	Benzo[a]pyrene	1700		53	27
205-99-2	Benzo[b]fluoranthene	2800		63	31
191-24-2	Benzo[g,h,i]perylene	1100		100	23
207-08-9	Benzo[k]fluoranthene	1000		41	19
218-01-9	Chrysene	2100		46	23
53-70-3	Dibenz(a,h)anthracene	330		100	21
206-44-0	Fluoranthene	4400		100	21
86-73-7	Fluorene	200		100	21
193-39-5	Indeno[1,2,3-cd]pyrene	1200		100	36
90-12-0	1-Methylnaphthalene	230		210	23
91-57-6	2-Methylnaphthalene	260		210	36
91-20-3	Naphthalene	180	J	210	23
85-01-8	Phenanthrene	2200		41	20
129-00-0	Pyrene	3500		100	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		30-130

TestAmerica Laboratories

Semivolatle 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04013.D
 Lab Smp Id: 680-88767-A-30-A Client Smp ID: CV0509T-CSD
 Inj Date : 04-APR-2013 14:53
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-A-30-A
 Misc Info : 680-88767-A-30-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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	14.980	Weight Extracted
M	22.072	% 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		3.692	3.692	(1.000)	460157	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.786	(1.000)	352622	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	705300	40.0000	
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	20499	2.50601	858.6942
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	850401	40.0000	
* 23 Perylene-d12	264		8.862	8.886	(1.000)	838905	40.0000	
2 Naphthalene	128		3.710	3.710	(1.005)	6281	0.53143	182.0965(Q)
3 2-Methylnaphthalene	142		4.139	4.133	(1.121)	5999	0.74564	255.4970
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	4898	0.67658	231.8341
5 Acenaphthylene	152		4.692	4.698	(0.982)	2955	0.20248	69.3798
7 Acenaphthene	154		4.804	4.804	(1.005)	6771	0.74907	256.6727
9 Fluorene	166		5.121	5.127	(1.071)	7113	0.59029	202.2634
11 Phenanthrene	178		5.751	5.751	(1.003)	129633	6.31075	2162.4001
12 Anthracene	178		5.780	5.786	(1.008)	33003	1.58492	543.0773

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	17712	0.99282	340.1920
15 Fluoranthene	202	6.586	6.592	(1.149)	290197	12.7921	4383.2590
16 Pyrene	202	6.757	6.763	(0.880)	239746	10.1774	3487.3119
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	154379	6.40093	2193.3015
19 Chrysene	228	7.704	7.710	(1.003)	146894	6.06181	2077.0983
20 Benzo(b)fluoranthene	252	8.515	8.533	(0.961)	197173	8.31373	2848.7273(M)
21 Benzo(k)fluoranthene	252	8.533	8.557	(0.963)	67439	2.94003	1007.4121(QM)
22 Benzo(a)pyrene	252	8.809	8.827	(0.994)	113662	5.09043	1744.2515
24 Indeno(1,2,3-cd)pyrene	276	10.015	10.056	(1.130)	71579	3.37511	1156.4917(M)
25 Dibenzo(a,h)anthracene	278	10.033	10.074	(1.132)	18755	0.95732	328.0294
26 Benzo(g,h,i)perylene	276	10.362	10.415	(1.169)	71918	3.32258	1138.4939

QC Flag Legend

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

Data File: 1CD04013.D

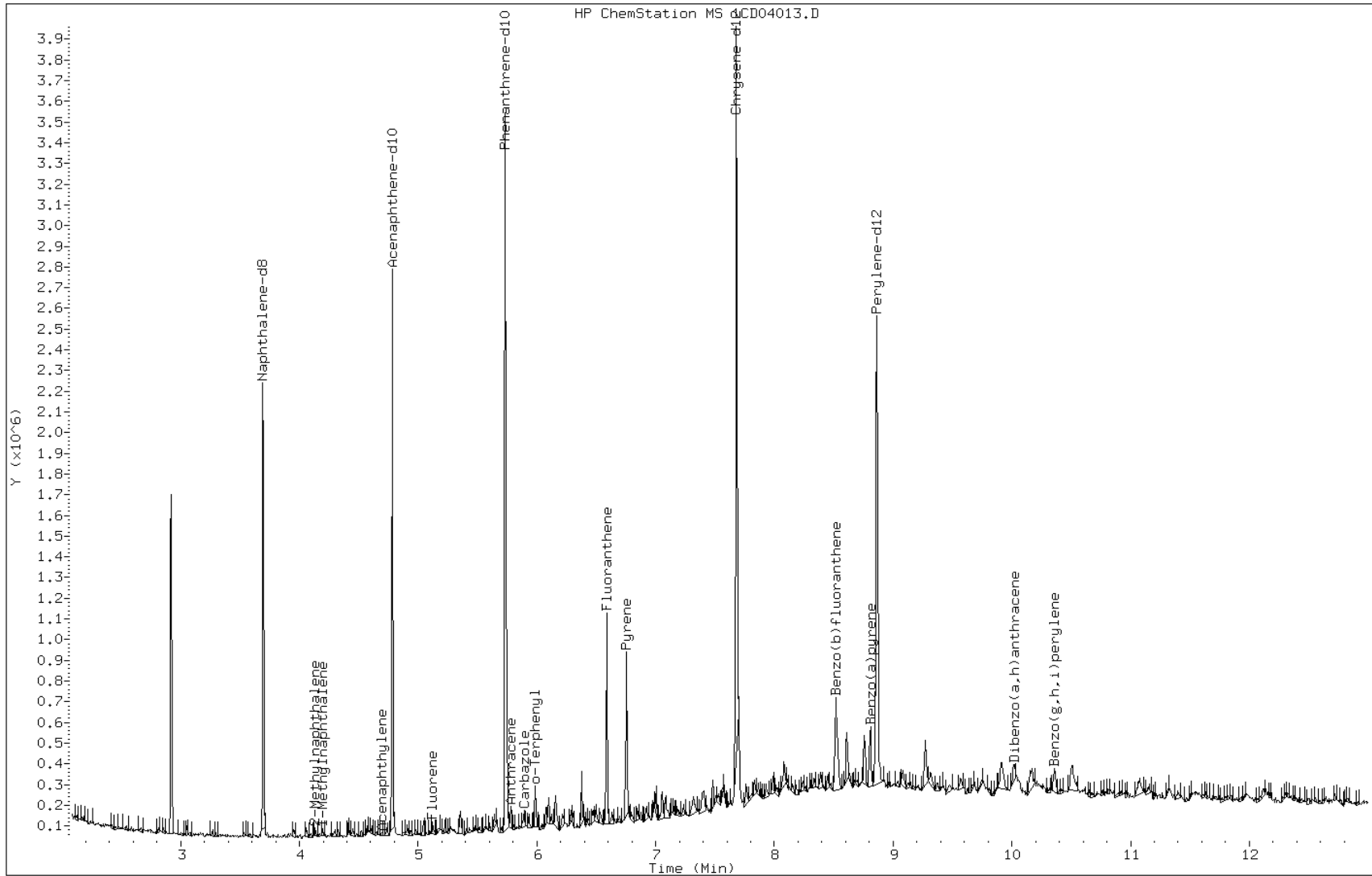
Date: 04-APR-2013 14:53

Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

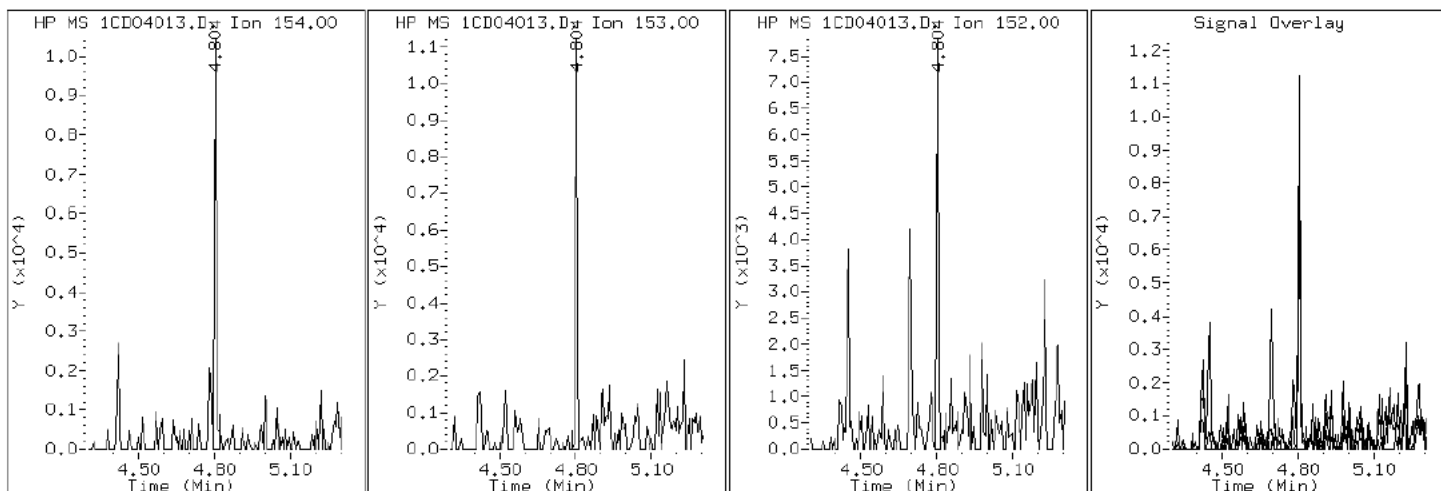
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

7 Acenaphthene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

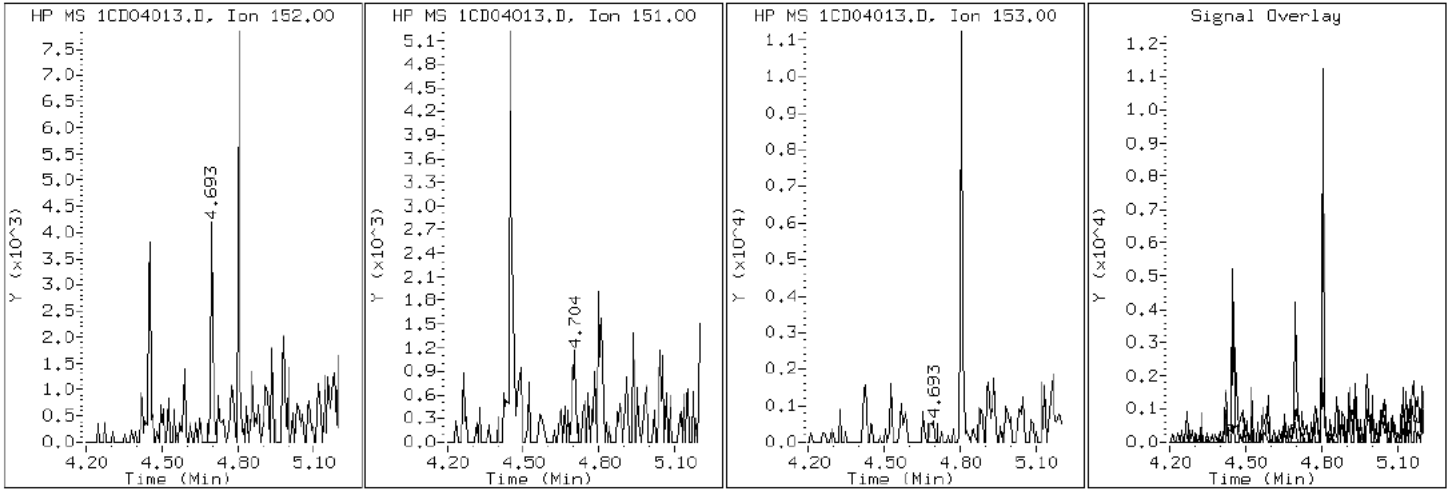
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

5 Acenaphthylene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

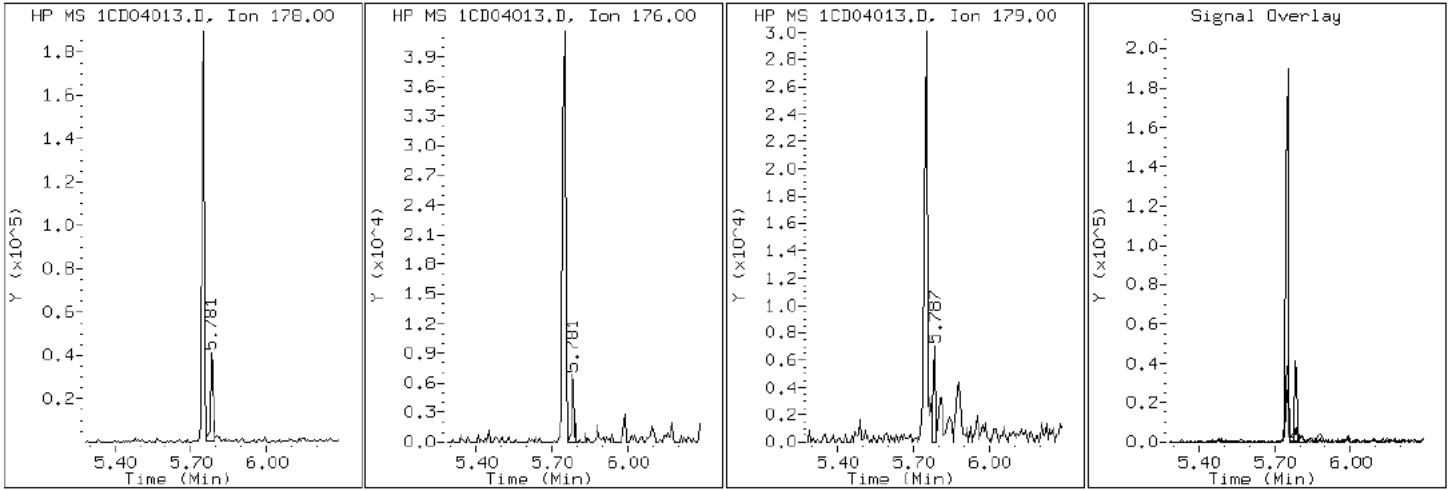
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

12 Anthracene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

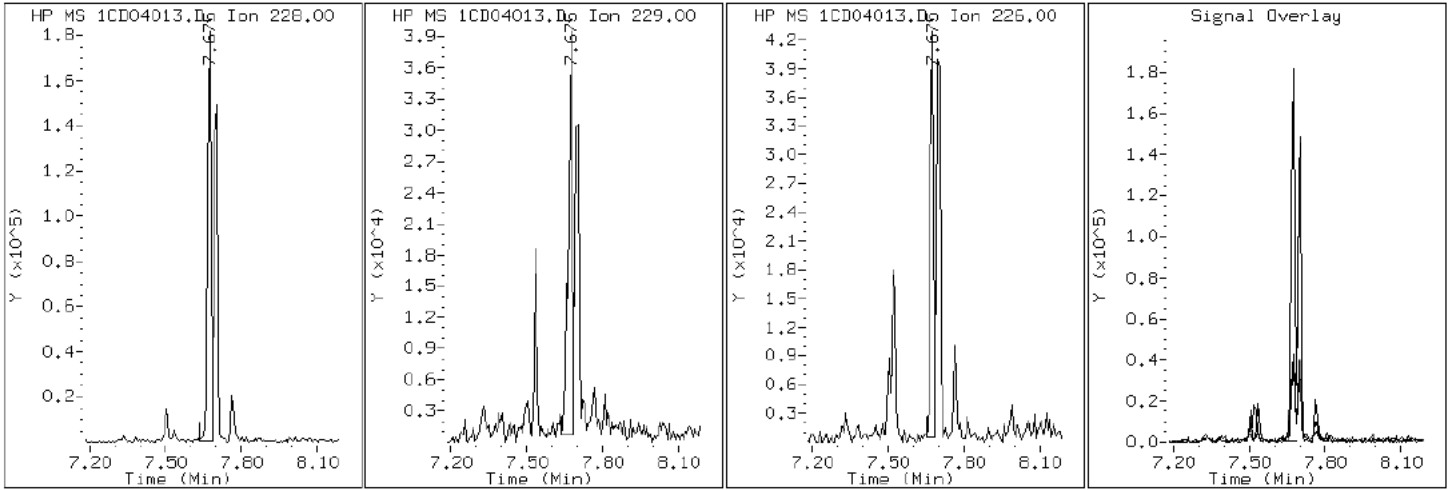
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

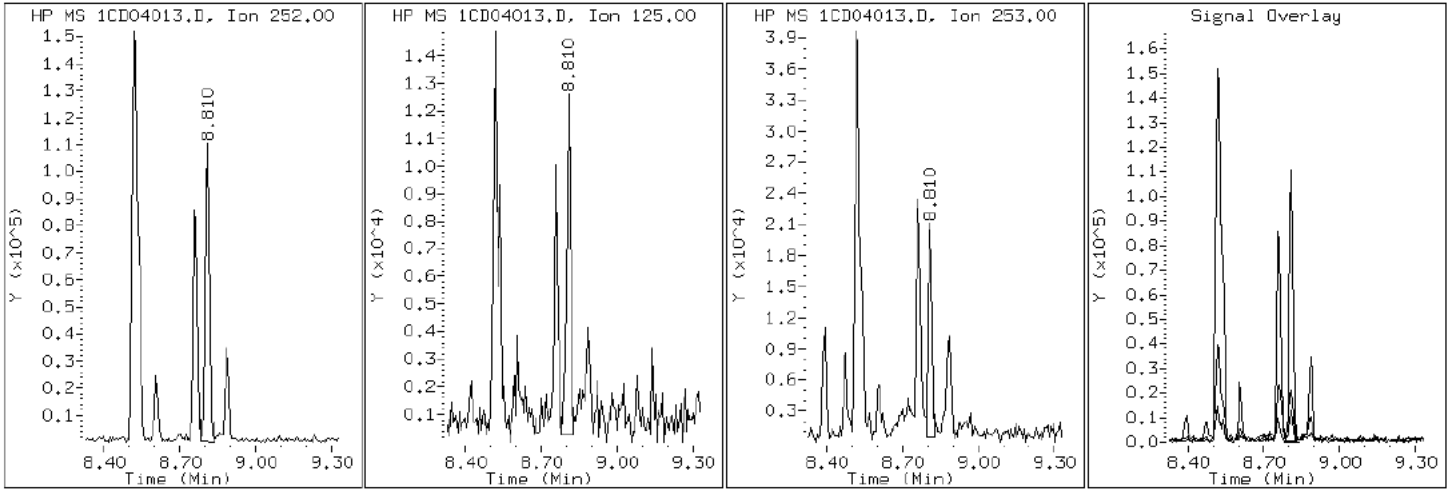
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

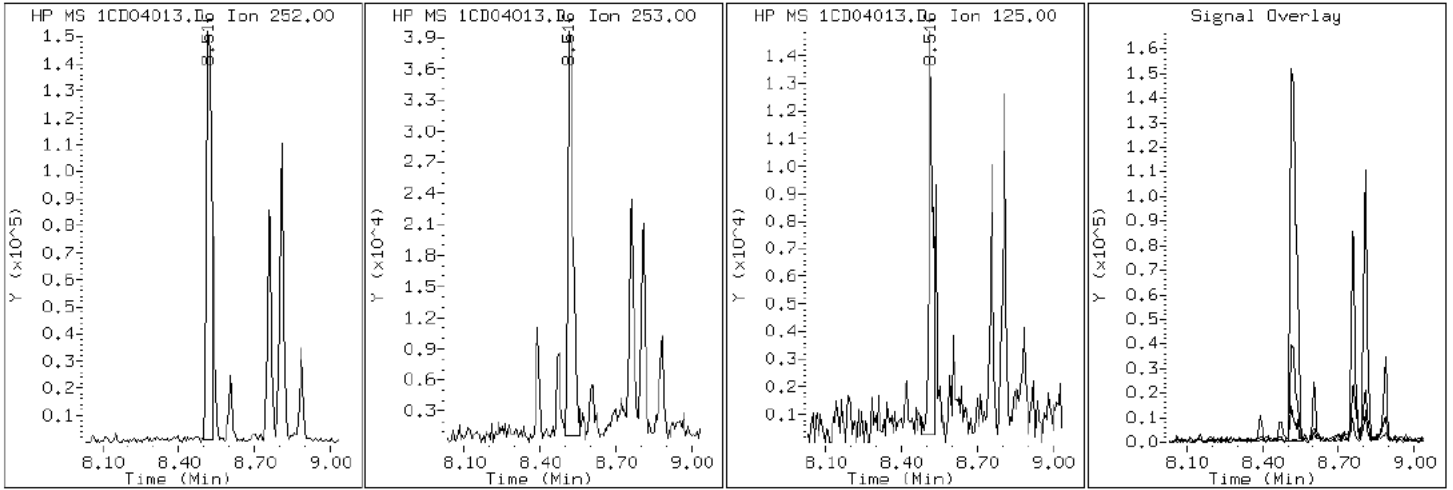
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

20 Benzo(b)fluoranthene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

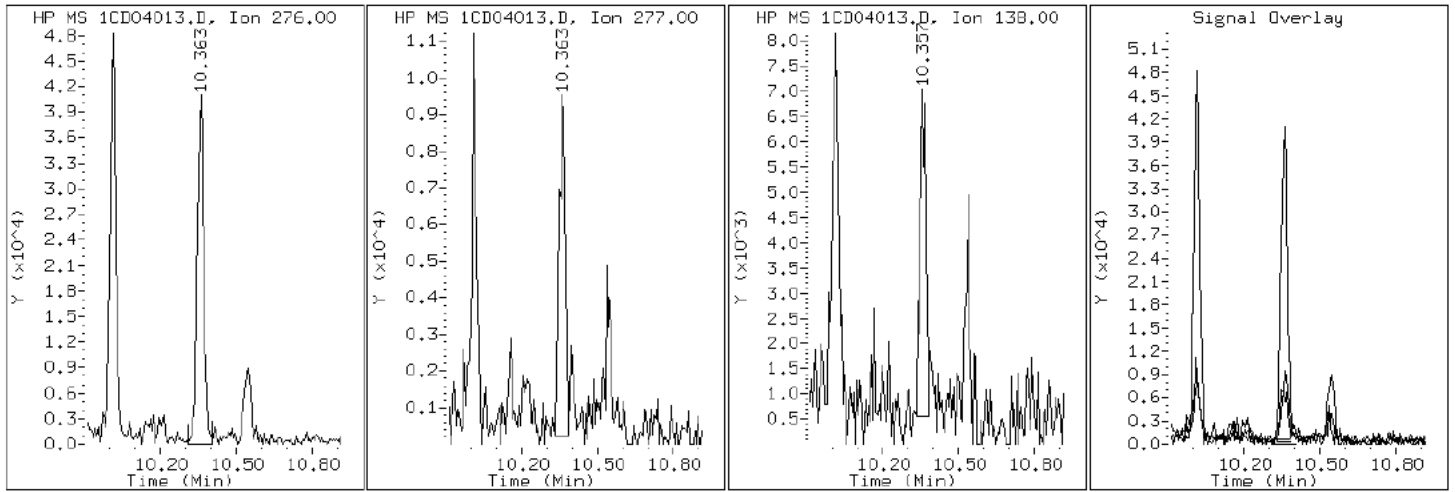
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

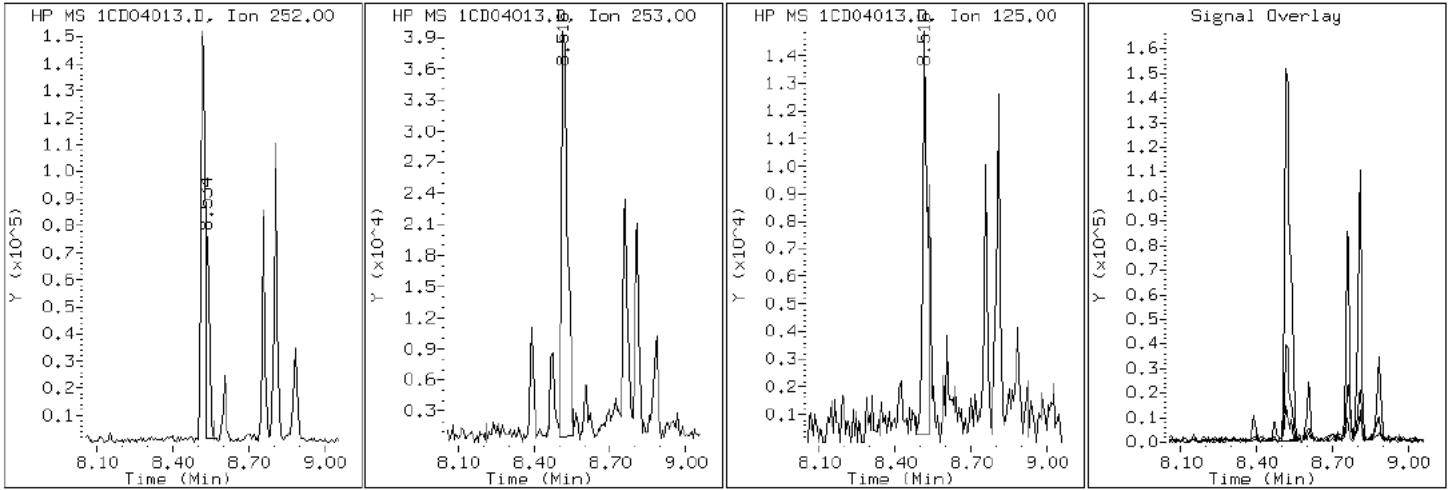
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

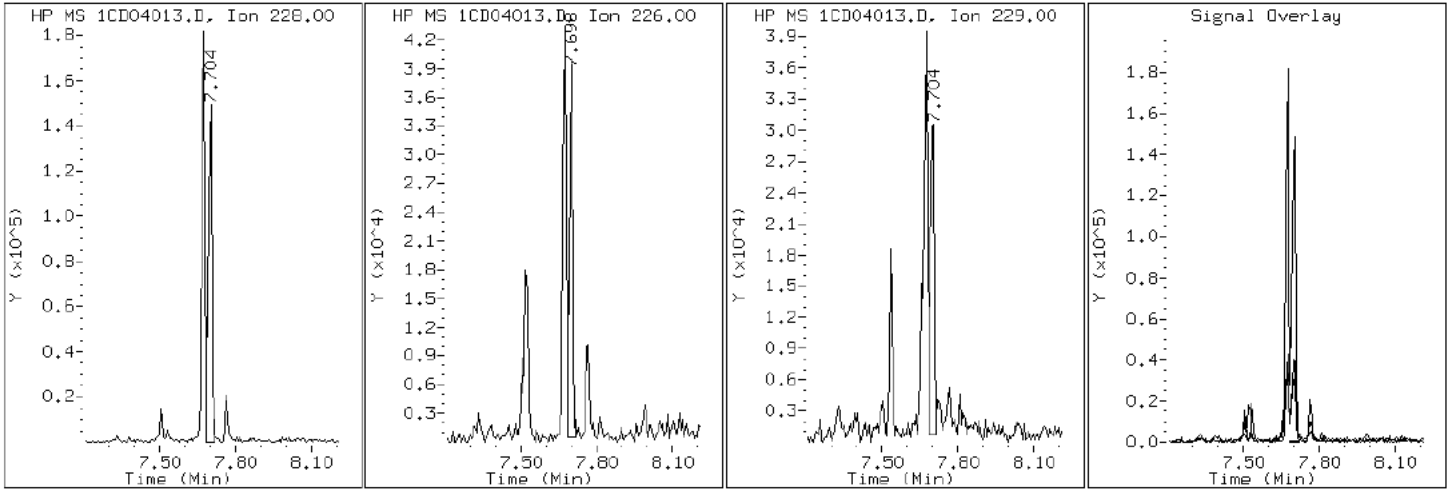
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

19 Chrysene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

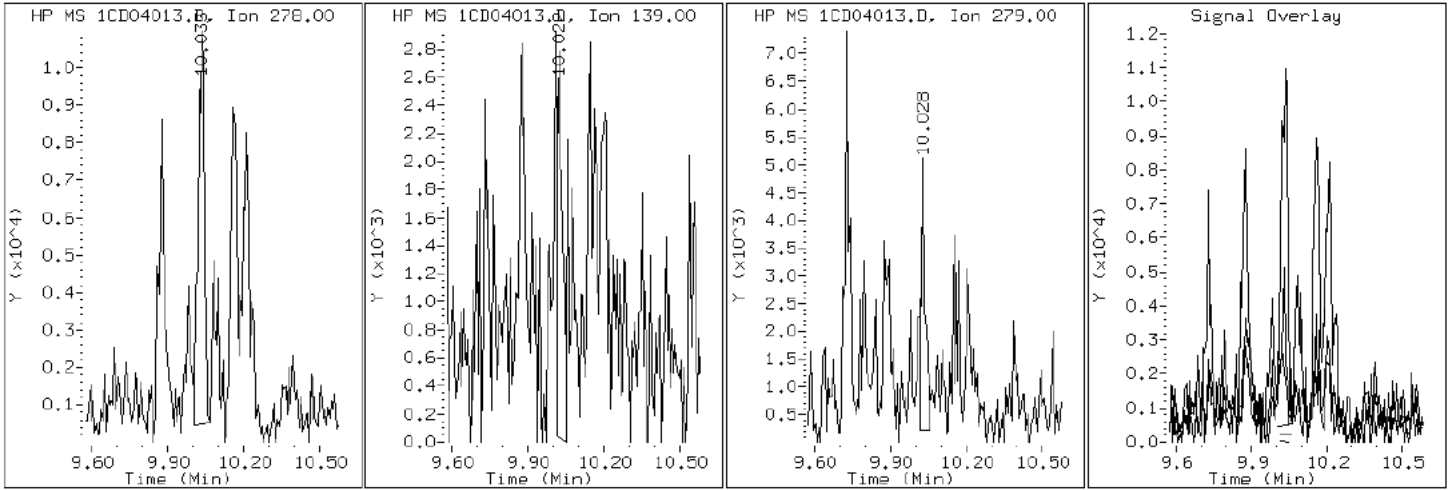
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

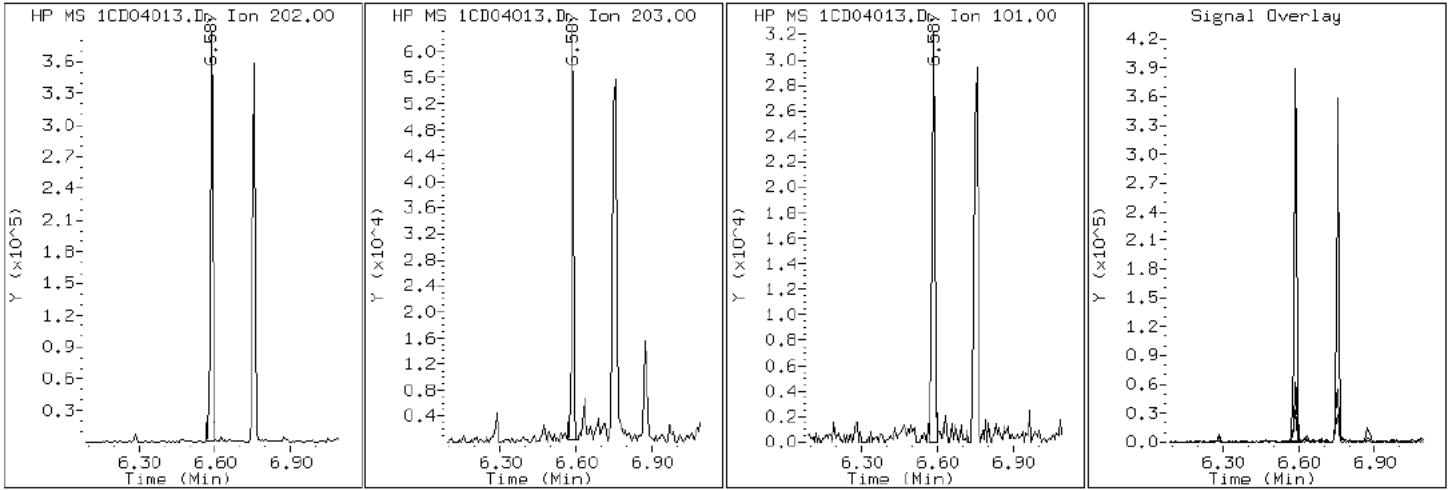
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

15 Fluoranthene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

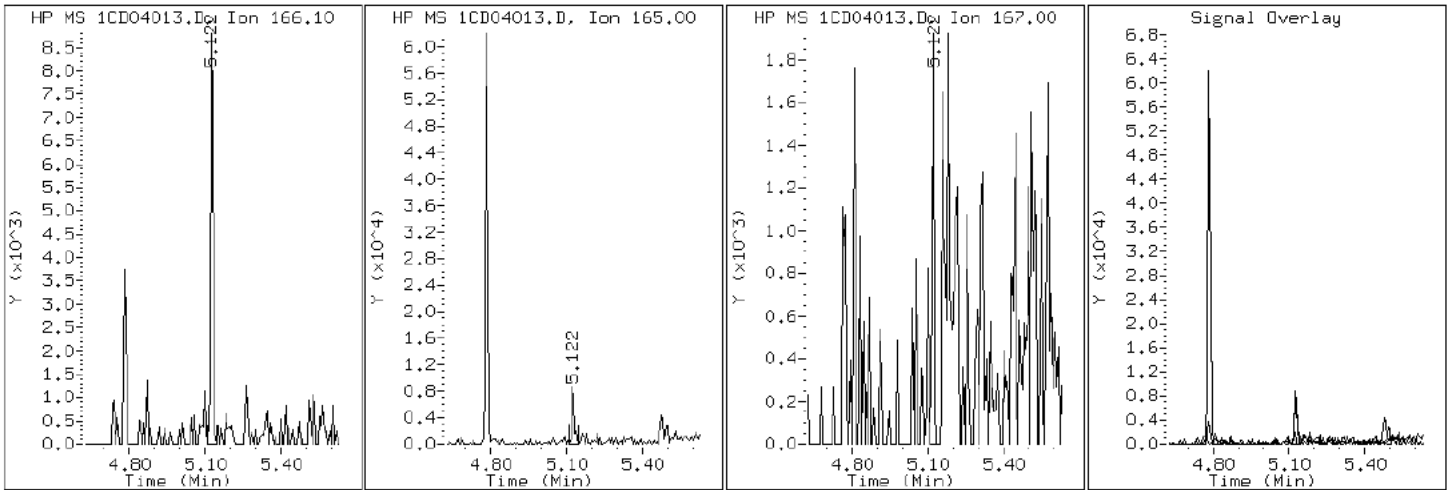
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

9 Fluorene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

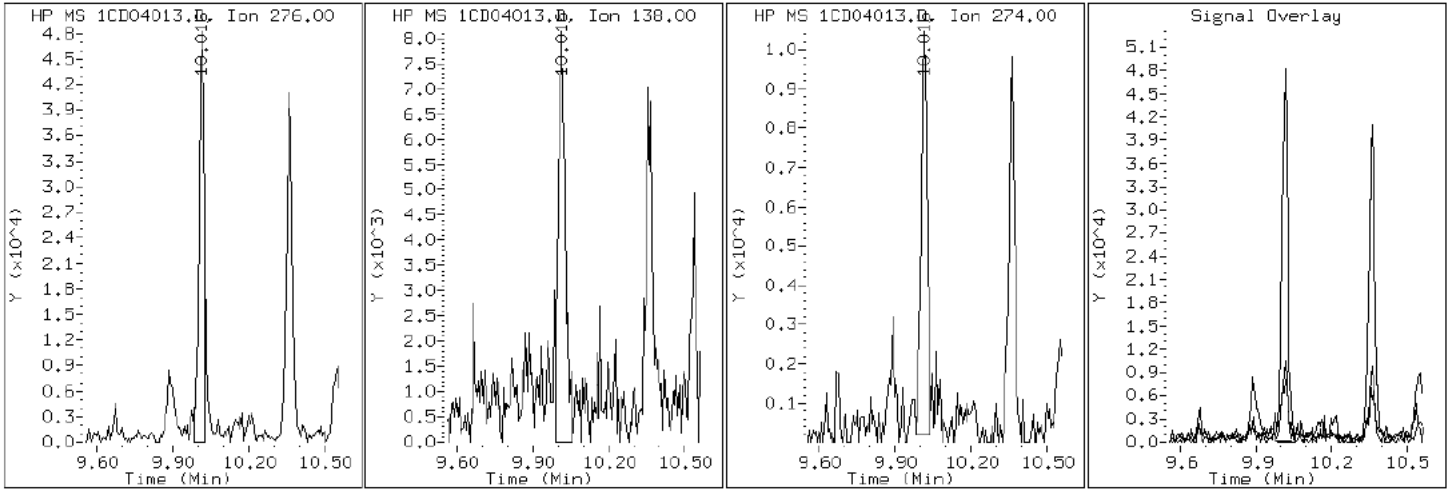
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

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



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

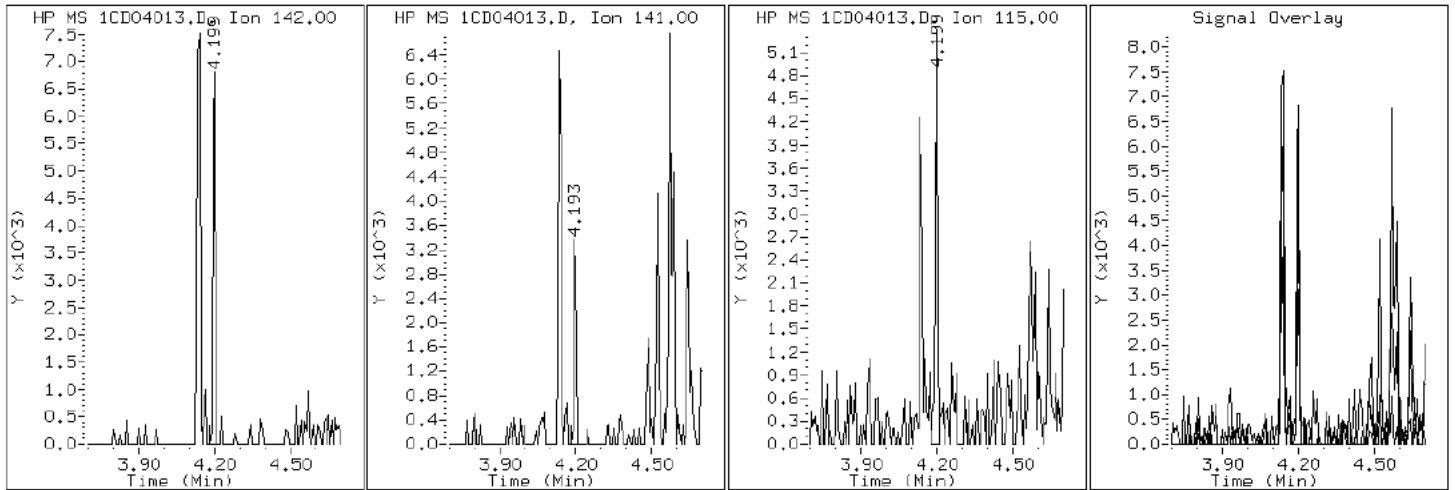
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

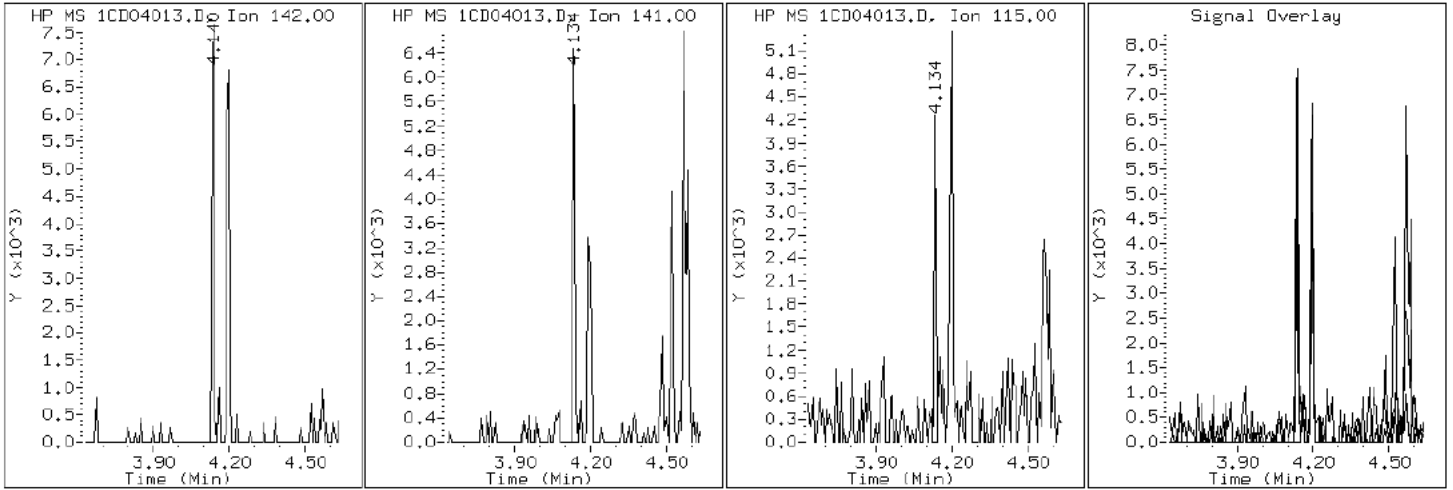
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

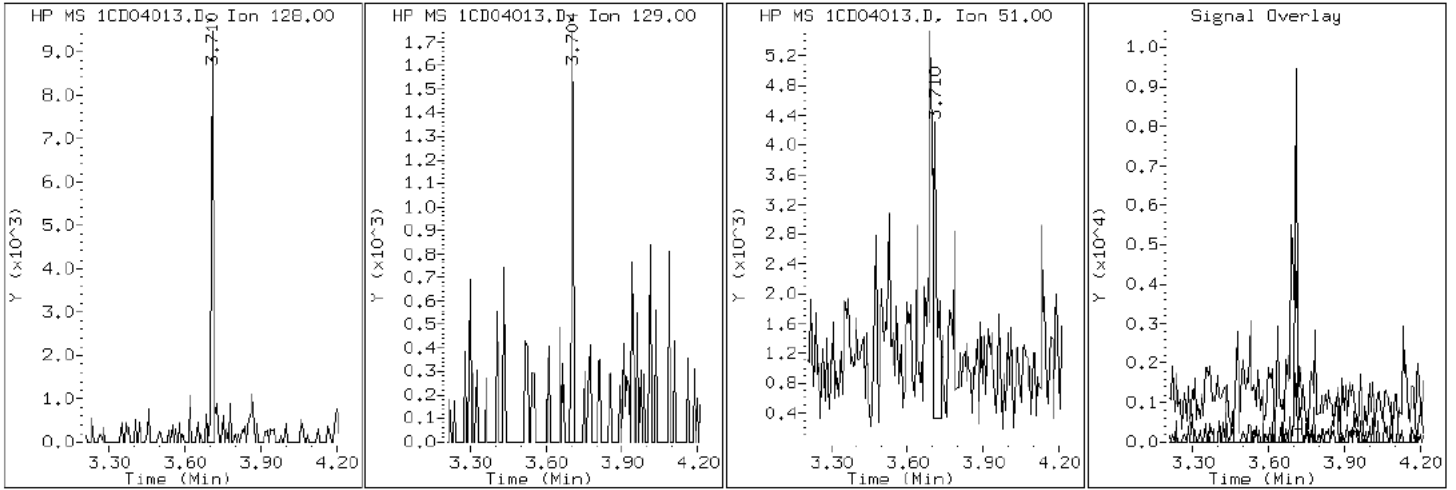
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

2 Naphthalene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

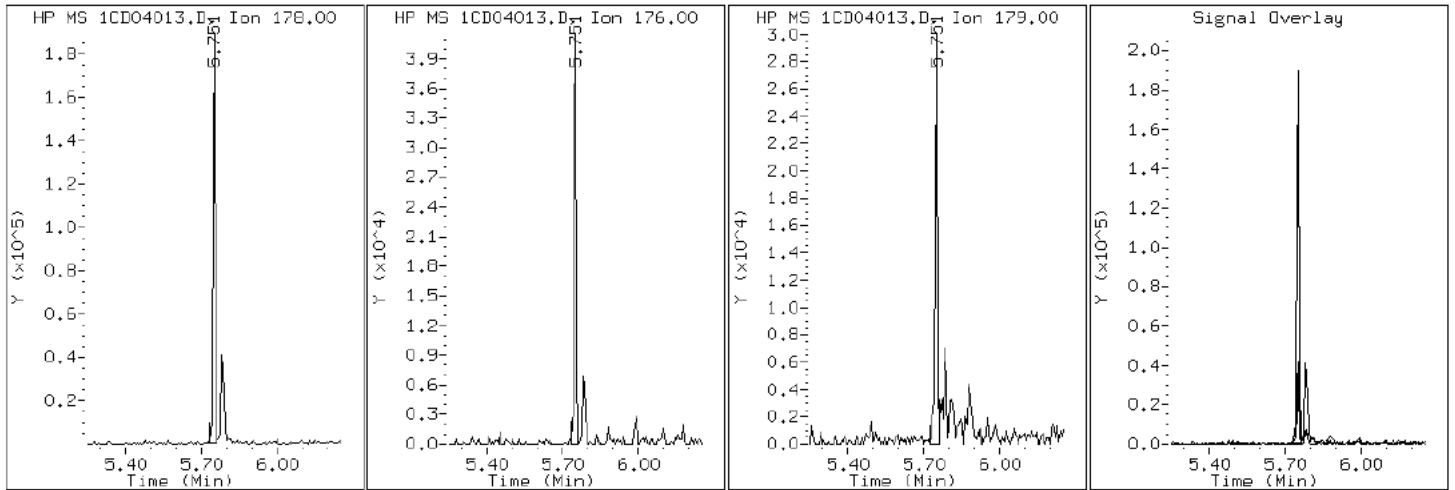
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

11 Phenanthrene



Data File: 1CD04013.D

Date: 04-APR-2013 14:53

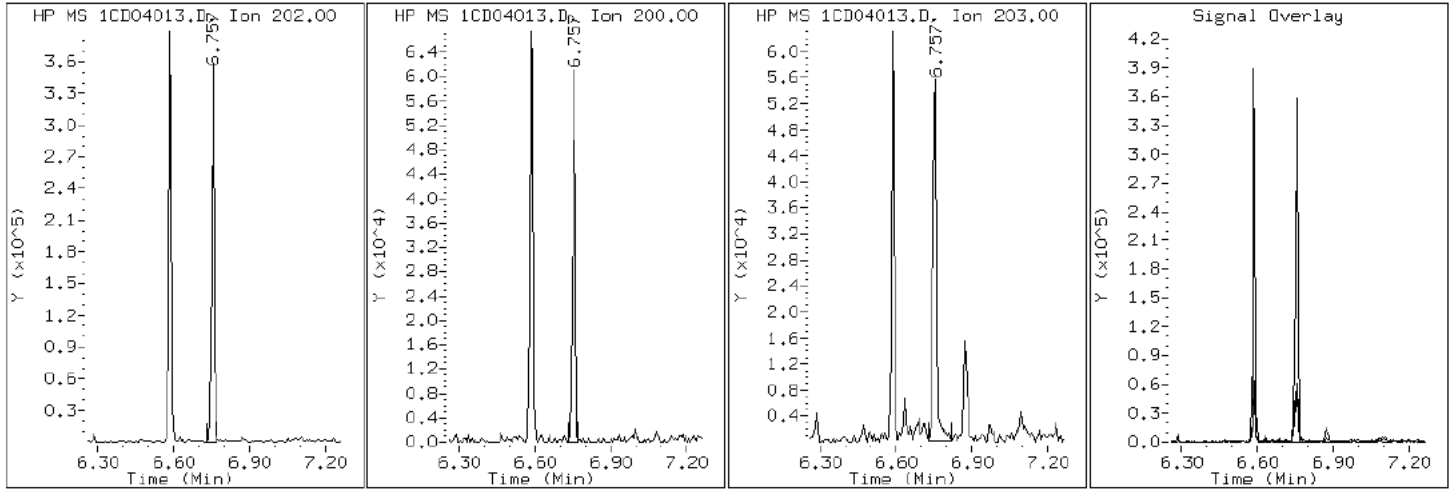
Client ID: CV0509T-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-A-30-A

Operator: SCC

16 Pyrene

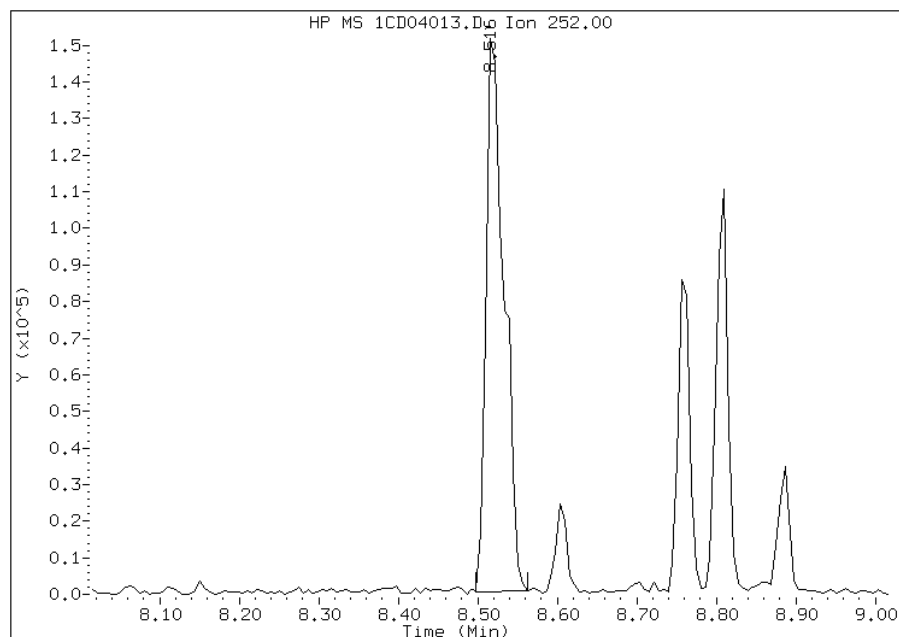


Manual Integration Report

Data File: 1CD04013.D
Inj. Date and Time: 04-APR-2013 14:53
Instrument ID: BSMC5973.i
Client ID: CV0509T-CSD
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/04/2013

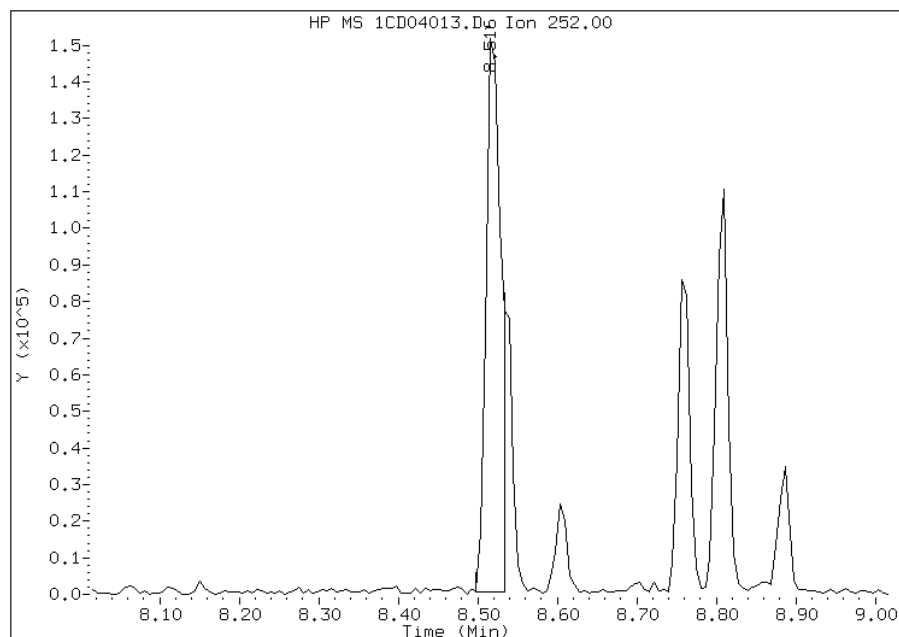
Processing Integration Results

RT: 8.52
Response: 238331
Amount: 10
Conc: 3443



Manual Integration Results

RT: 8.52
Response: 197173
Amount: 8
Conc: 2849



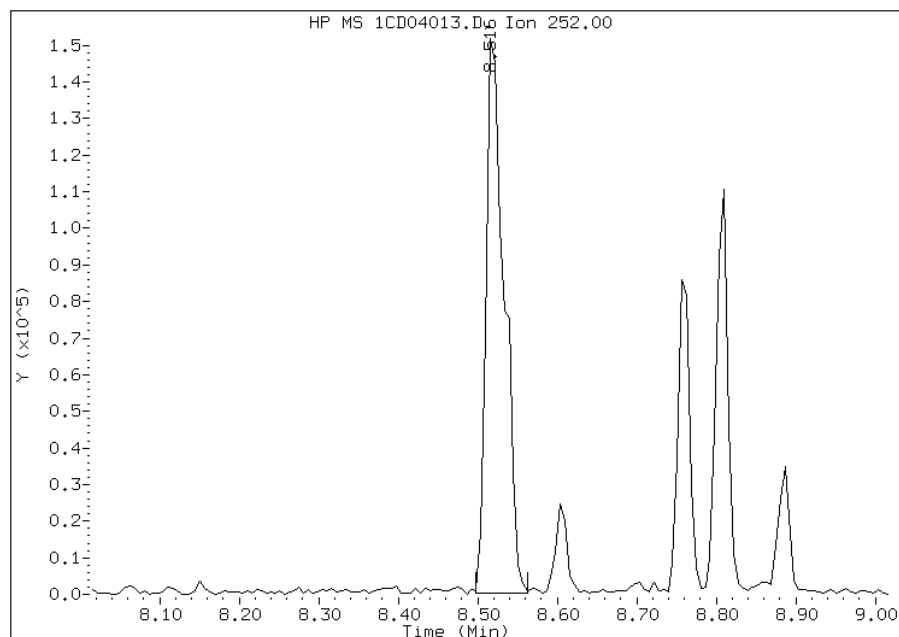
Manually Integrated By: cantins
Modification Date: 04-Apr-2013 16:03
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD04013.D
Inj. Date and Time: 04-APR-2013 14:53
Instrument ID: BSMC5973.i
Client ID: CV0509T-CSD
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/04/2013

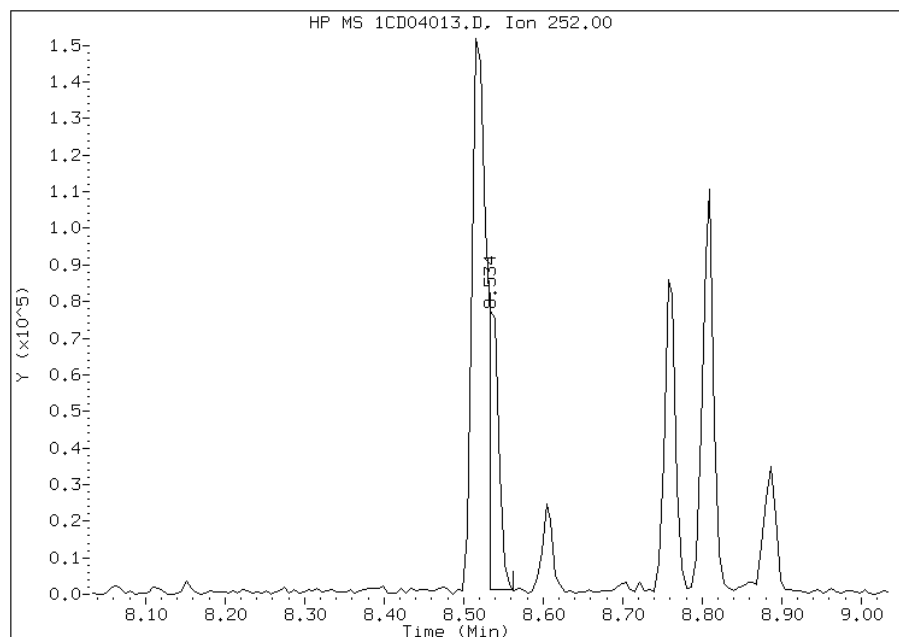
Processing Integration Results

RT: 8.52
Response: 239987
Amount: 10
Conc: 3585



Manual Integration Results

RT: 8.53
Response: 67439
Amount: 3
Conc: 1007



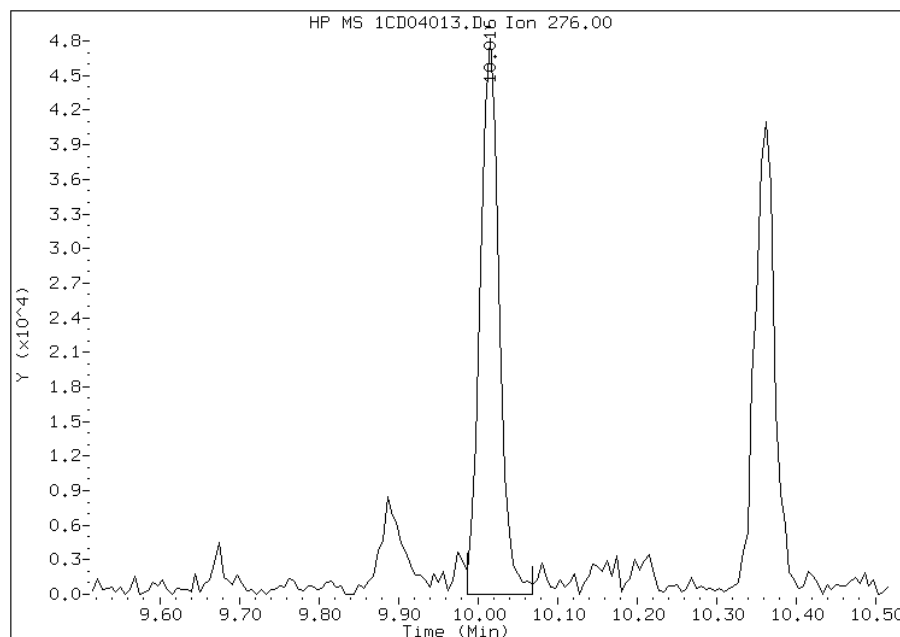
Manually Integrated By: cantins
Modification Date: 04-Apr-2013 16:03
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD04013.D
Inj. Date and Time: 04-APR-2013 14:53
Instrument ID: BSMC5973.i
Client ID: CV0509T-CSD
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/04/2013

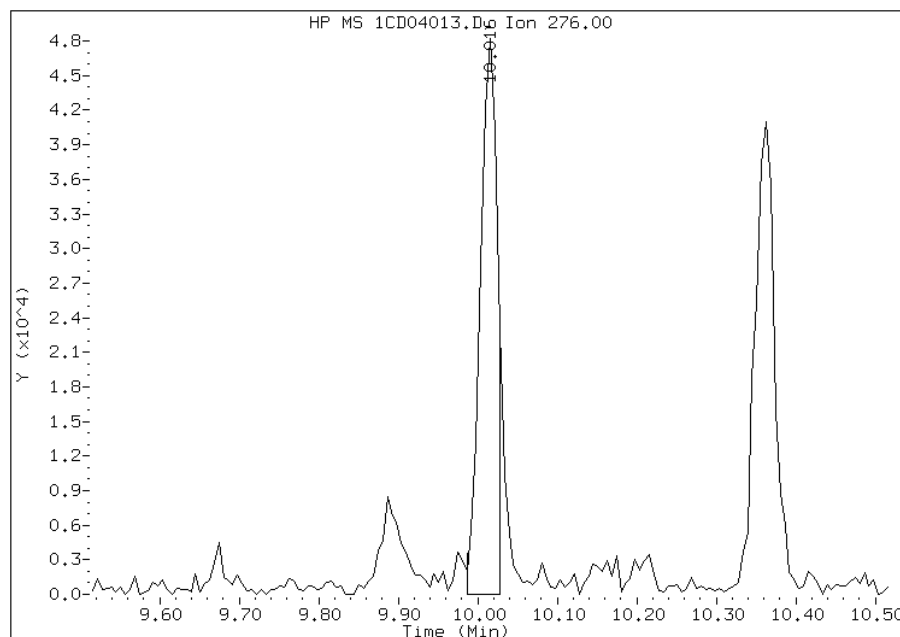
Processing Integration Results

RT: 10.02
Response: 79728
Amount: 4
Conc: 1288



Manual Integration Results

RT: 10.02
Response: 71579
Amount: 3
Conc: 1156



Manually Integrated By: cantins
Modification Date: 04-Apr-2013 16:03
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509U-CS Lab Sample ID: 680-88767-31
 Matrix: Solid Lab File ID: 1CD05010.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:32
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.39(g) Date Analyzed: 04/05/2013 14:07
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	470	U	470	94
208-96-8	Acenaphthylene	39	J	190	24
120-12-7	Anthracene	57		40	20
56-55-3	Benzo[a]anthracene	430		38	18
50-32-8	Benzo[a]pyrene	400		49	25
205-99-2	Benzo[b]fluoranthene	640		58	29
191-24-2	Benzo[g,h,i]perylene	340		94	21
207-08-9	Benzo[k]fluoranthene	230		38	17
218-01-9	Chrysene	400		42	21
53-70-3	Dibenz(a,h)anthracene	130		94	19
206-44-0	Fluoranthene	620		94	19
86-73-7	Fluorene	33	J	94	19
193-39-5	Indeno[1,2,3-cd]pyrene	280		94	34
90-12-0	1-Methylnaphthalene	52	J	190	21
91-57-6	2-Methylnaphthalene	74	J	190	34
91-20-3	Naphthalene	70	J	190	21
85-01-8	Phenanthrene	400		38	18
129-00-0	Pyrene	510		94	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	104		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05010.D
 Lab Smp Id: 680-88767-A-31-A Client Smp ID: CV0509U-CS
 Inj Date : 05-APR-2013 14:07
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-31-a
 Misc Info : 680-88767-A-31-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 9
 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	15.390	Weight Extracted
M	17.412	% 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		3.692	3.692	(1.000)	460243	40.0000		
* 6 Acenaphthene-d10	164		4.774	4.780	(1.000)	350748	40.0000		
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	694340	40.0000		
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	21342	2.60850	820.9082	
* 18 Chrysene-d12	240		7.657	7.662	(1.000)	856966	40.0000		
* 23 Perylene-d12	264		8.821	8.827	(1.000)	863568	40.0000		
2 Naphthalene	128		3.704	3.704	(1.003)	2644	0.22367	70.3884	
3 2-Methylnaphthalene	142		4.127	4.133	(1.118)	1900	0.23612	74.3066	
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	1197	0.16532	52.0259(Q)	
5 Acenaphthylene	152		4.692	4.692	(0.983)	1801	0.12406	39.0437	
9 Fluorene	166		5.116	5.116	(1.071)	1262	0.10529	33.1349(Q)	
11 Phenanthrene	178		5.739	5.739	(1.003)	25970	1.28422	404.1497	
12 Anthracene	178		5.774	5.774	(1.009)	3738	0.18235	57.3848	
13 Carbazole	167		5.880	5.880	(1.028)	2411	0.13728	43.2019	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	6.568	6.574	(1.148)	43924	1.96677	618.9505
16 Pyrene	202	6.739	6.739	(0.880)	38375	1.61656	508.7402
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	30613	1.36851	430.6751
19 Chrysene	228	7.674	7.680	(1.002)	31229	1.27884	402.4569
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.962)	49686	2.03516	640.4744(M)
21 Benzo(k)fluoranthene	252	8.504	8.509	(0.964)	16900	0.71572	225.2408(QM)
22 Benzo(a)pyrene	252	8.768	8.774	(0.994)	29493	1.28314	403.8100
24 Indeno(1,2,3-cd)pyrene	276	9.951	9.962	(1.128)	19088	0.87434	275.1577(M)
25 Dibenzo(a,h)anthracene	278	9.956	9.980	(1.129)	8157	0.40447	127.2889
26 Benzo(g,h,i)perylene	276	10.292	10.303	(1.167)	23757	1.06622	335.5436

QC Flag Legend

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

Data File: 1CD05010.D

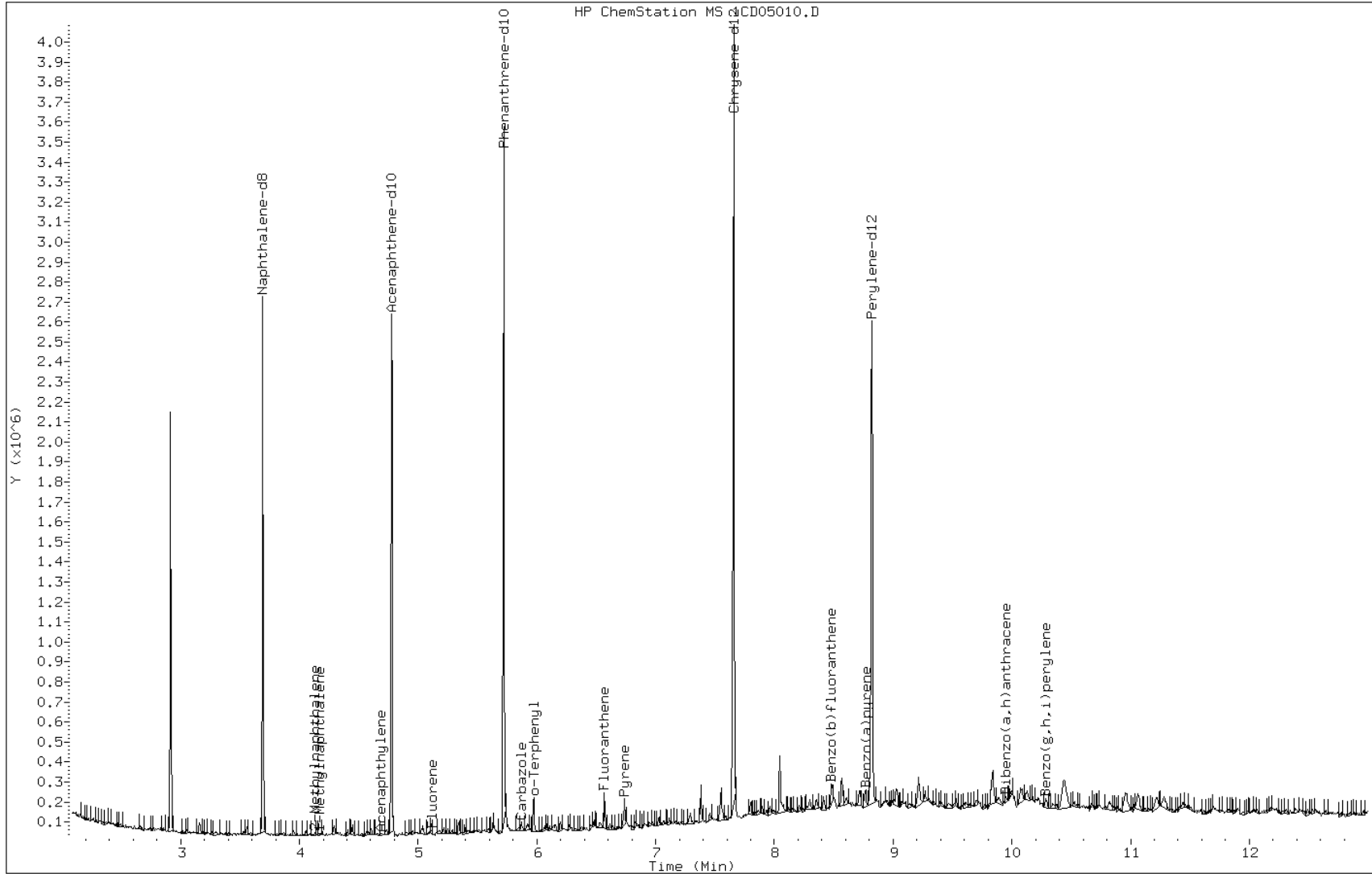
Date: 05-APR-2013 14:07

Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

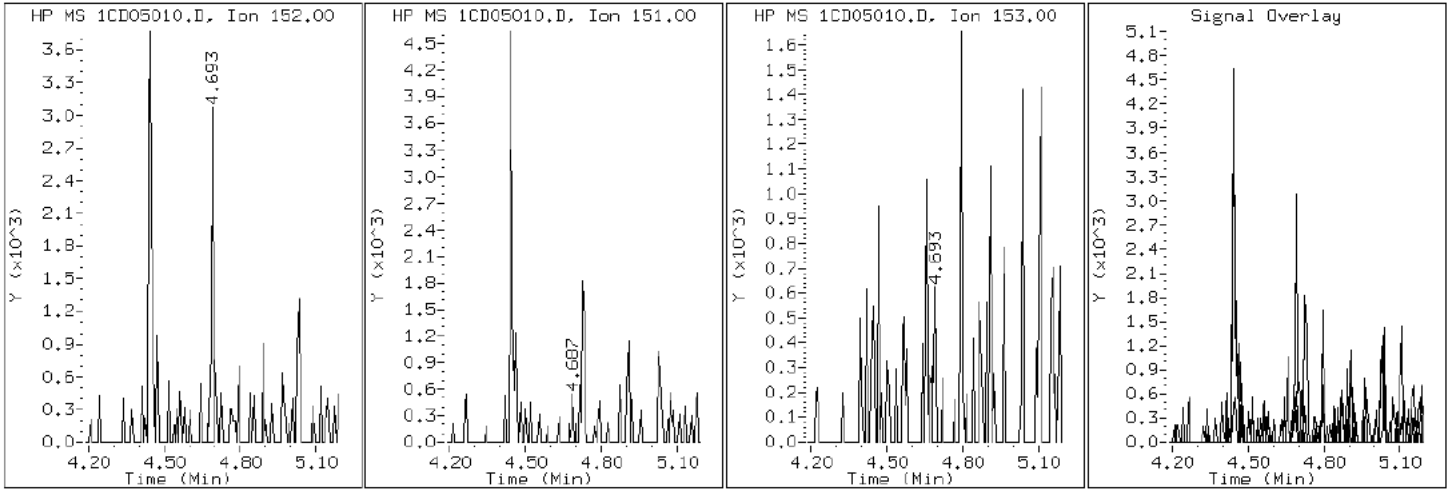
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

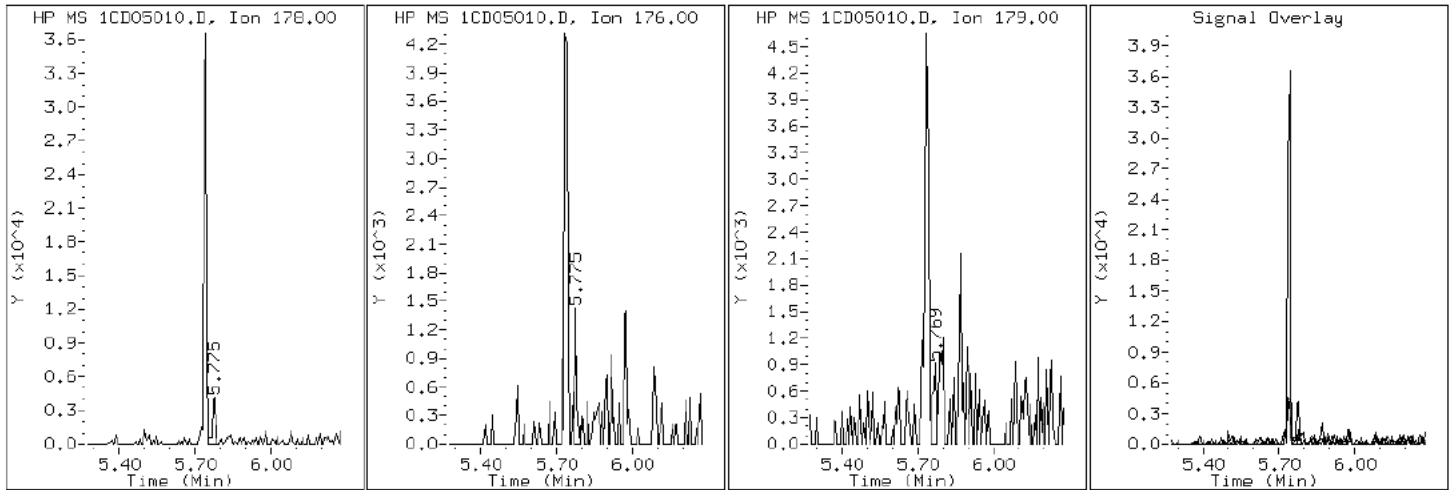
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

12 Anthracene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

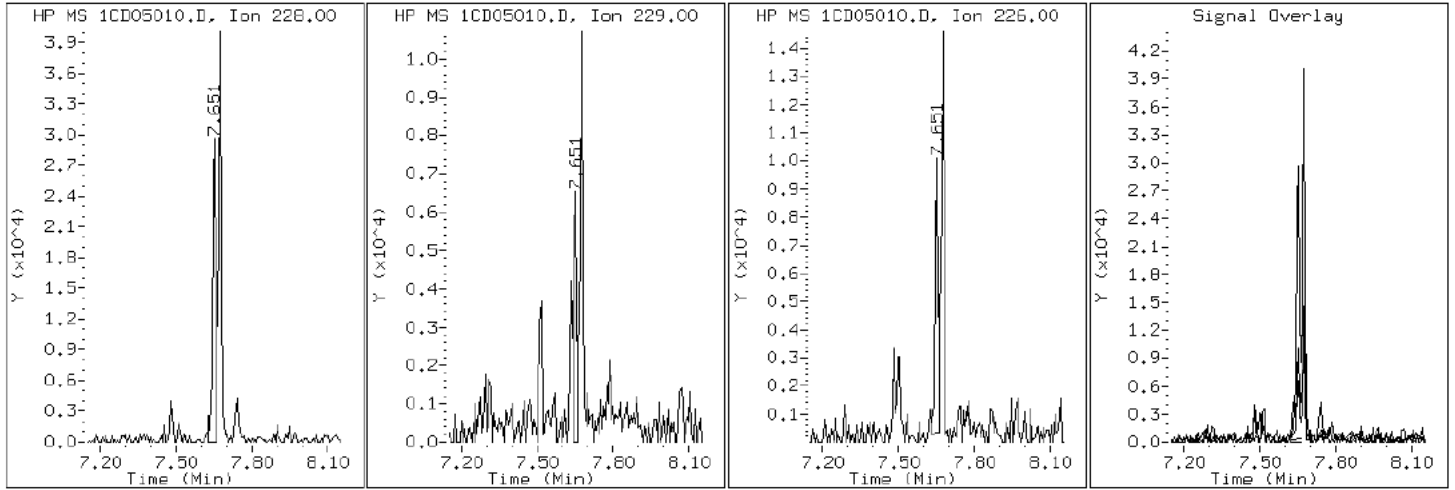
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

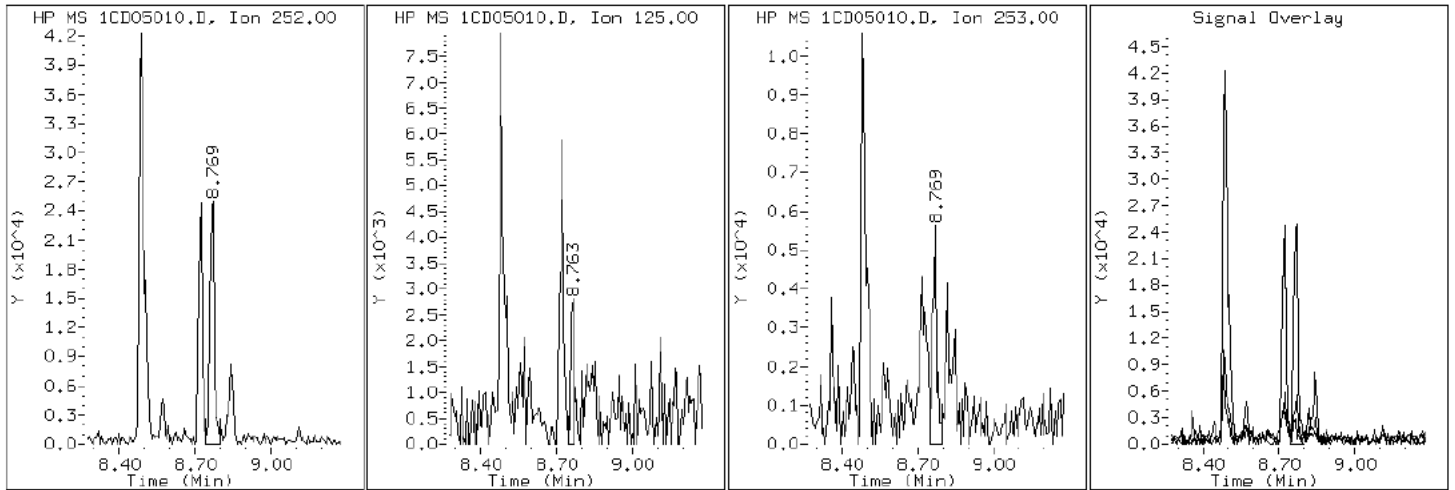
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

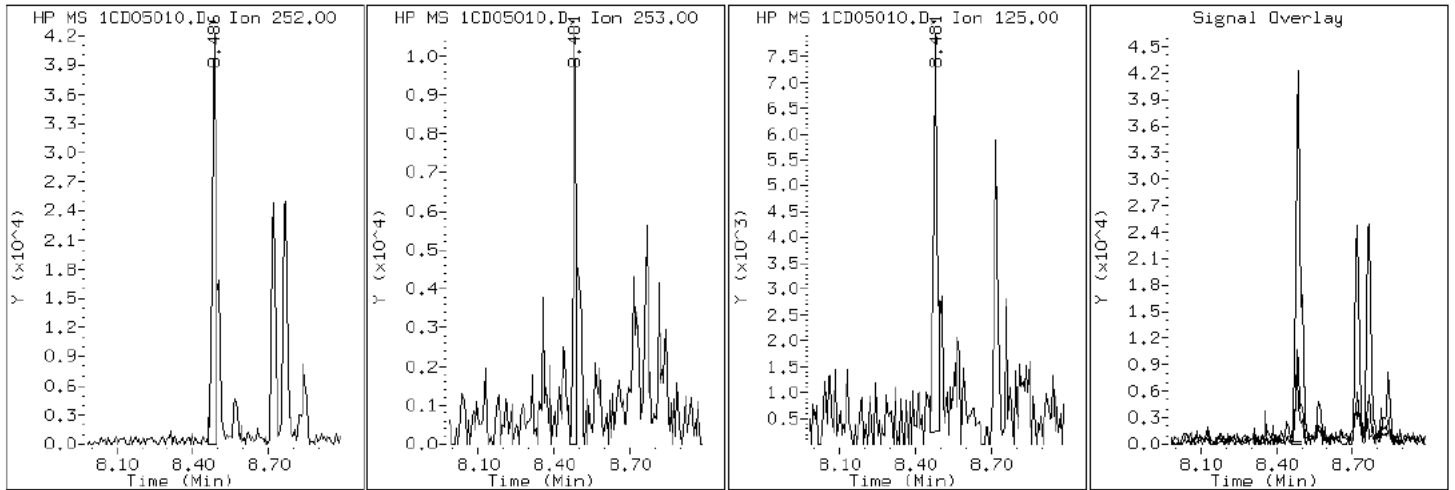
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

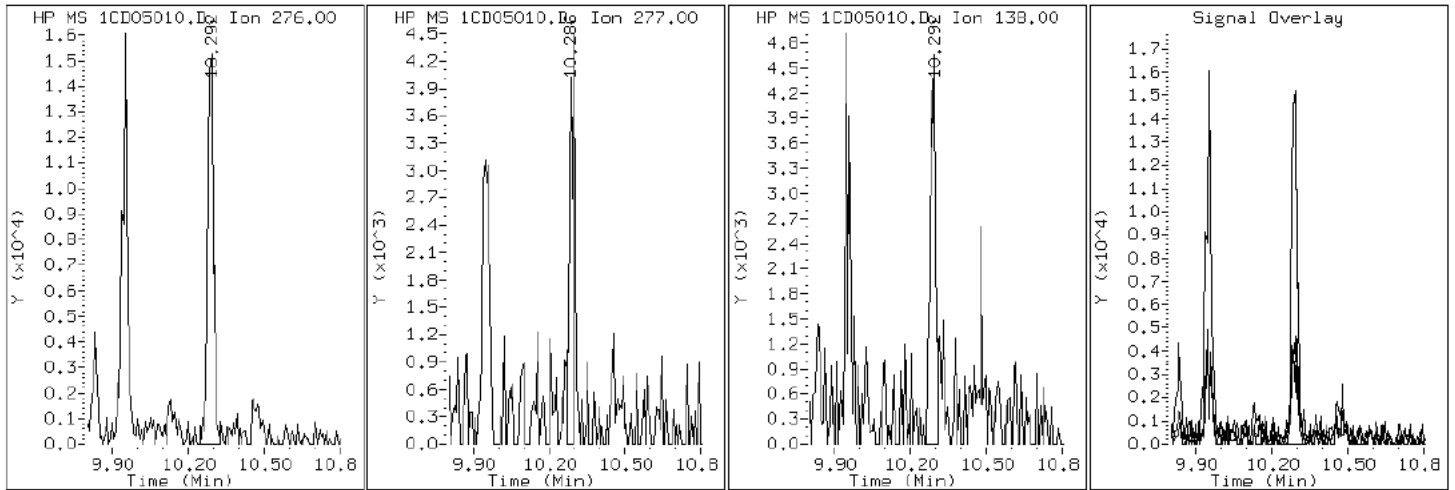
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

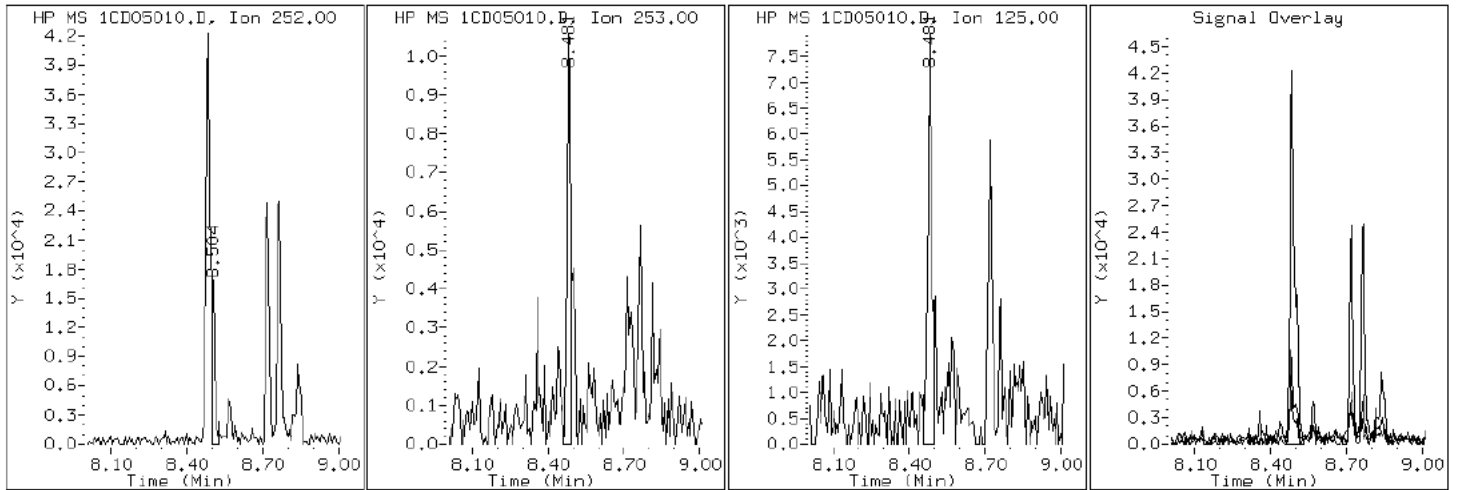
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

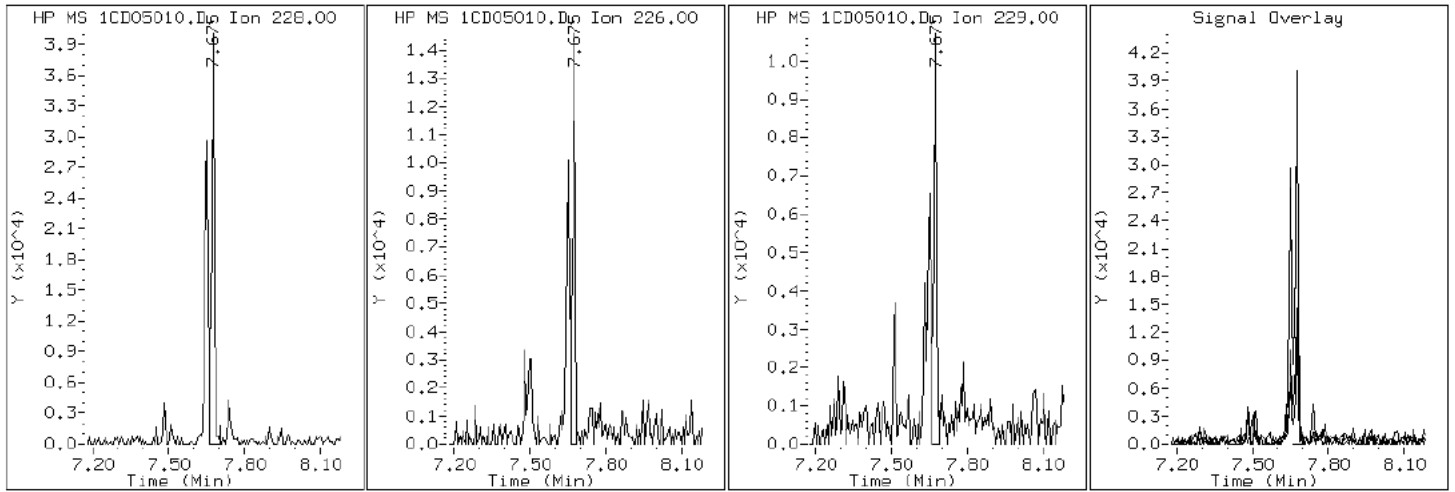
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

19 Chrysene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

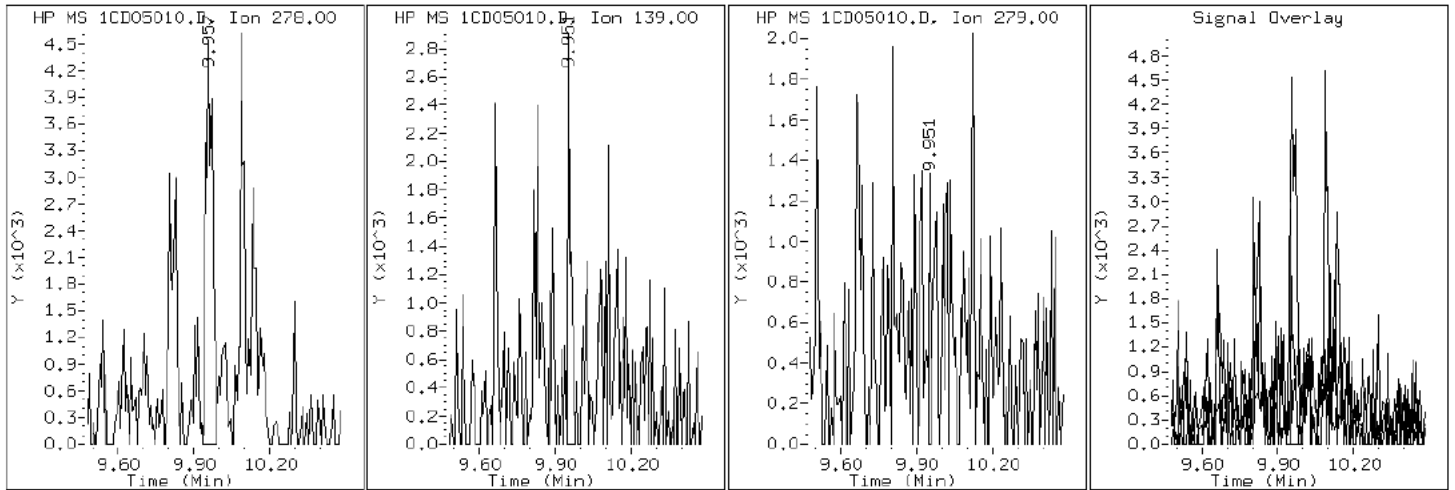
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

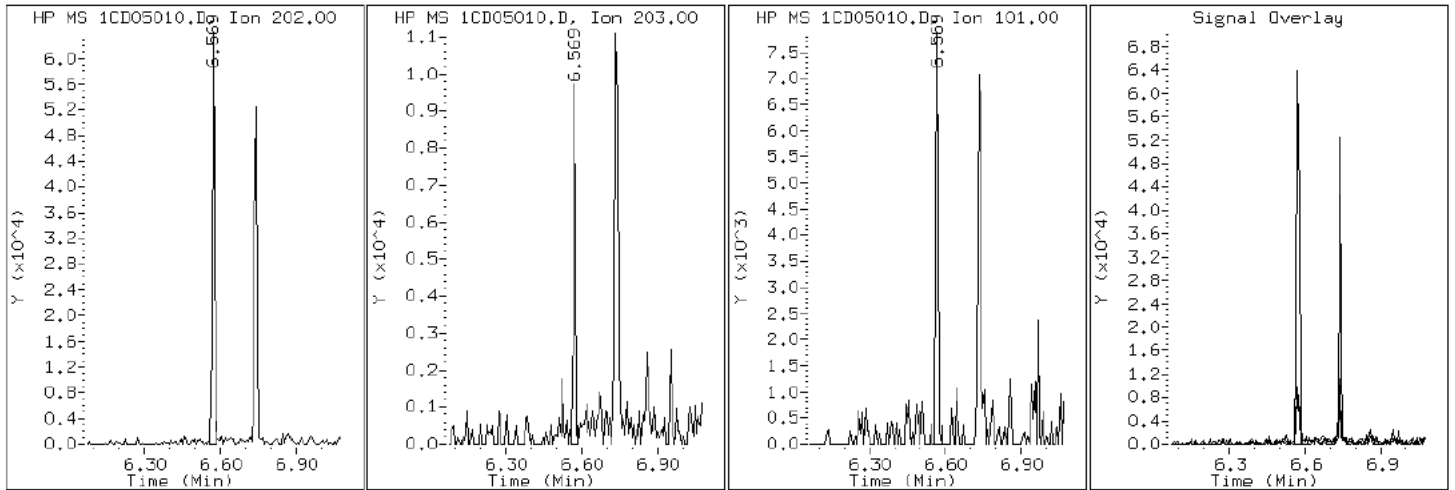
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

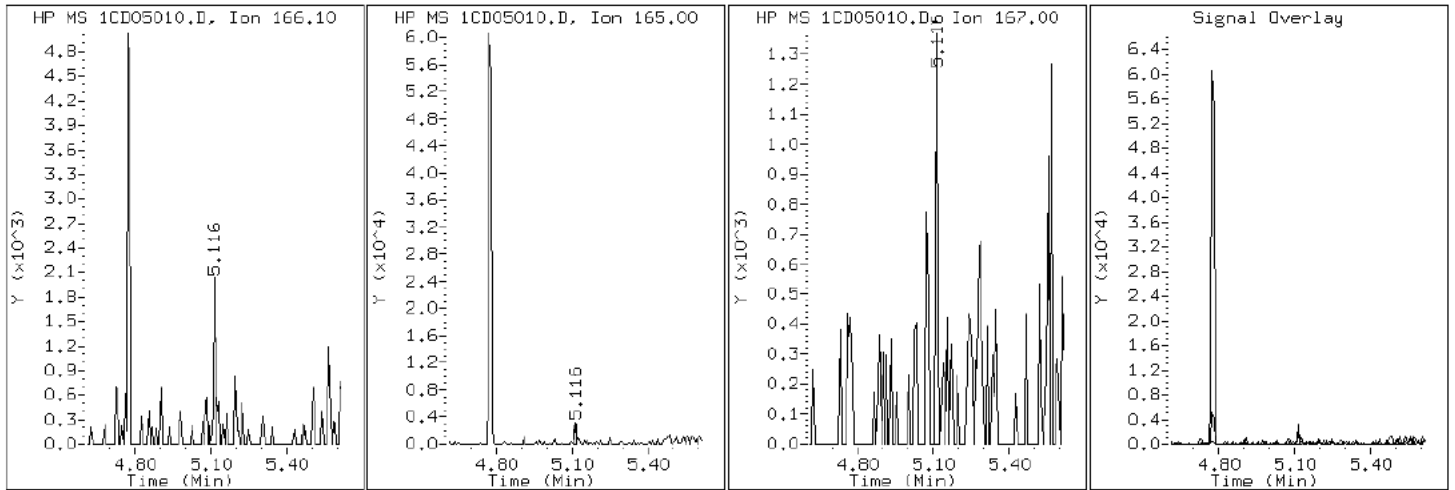
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

9 Fluorene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

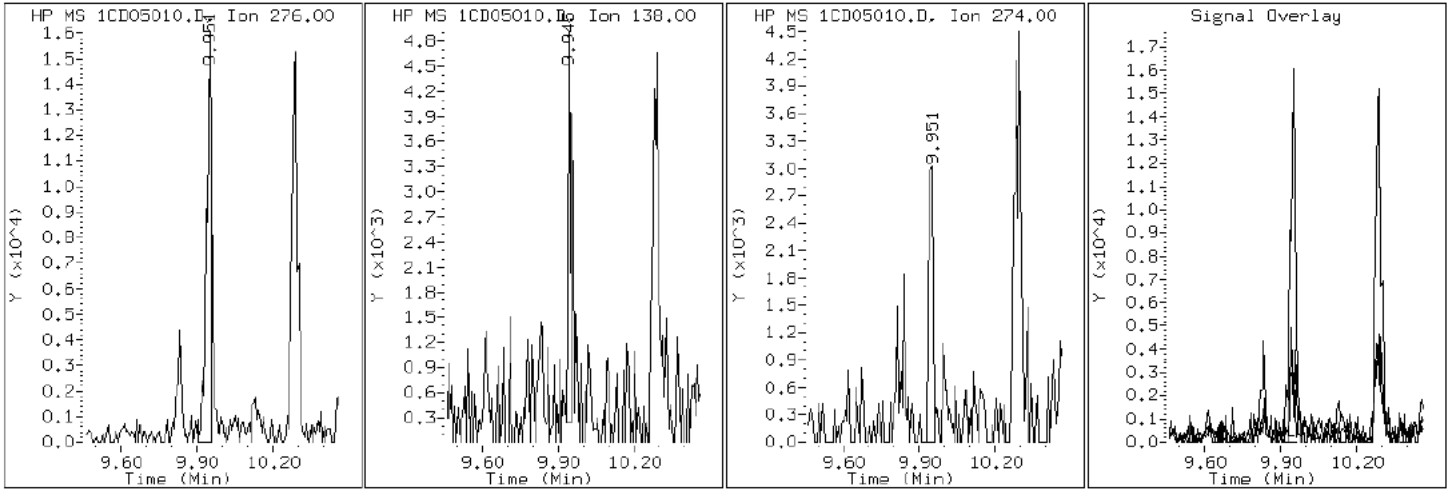
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

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



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

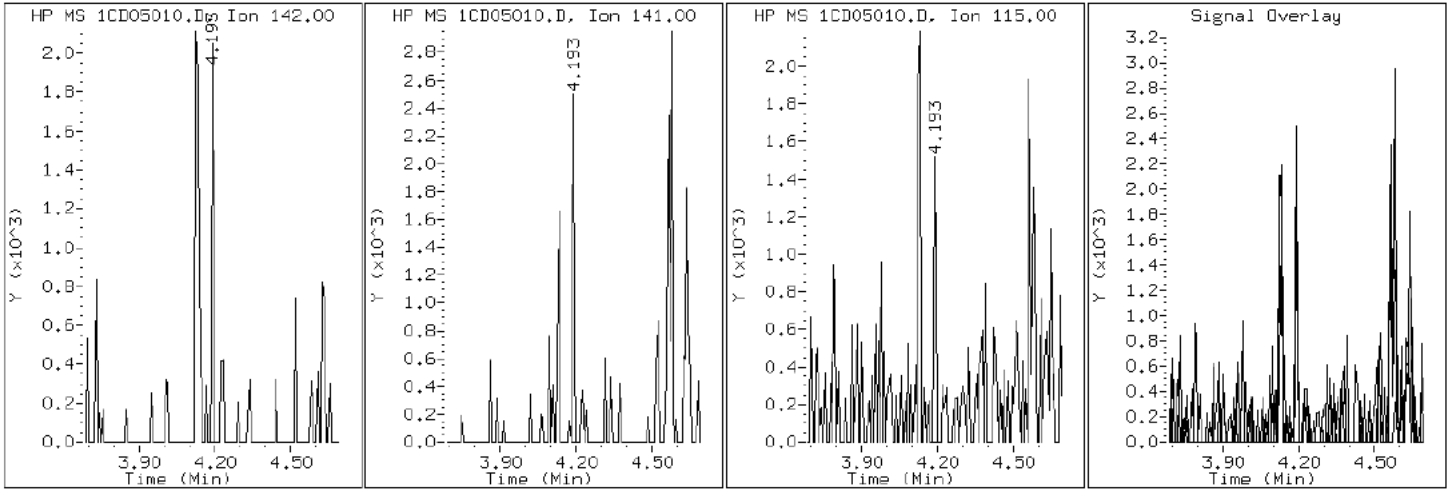
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

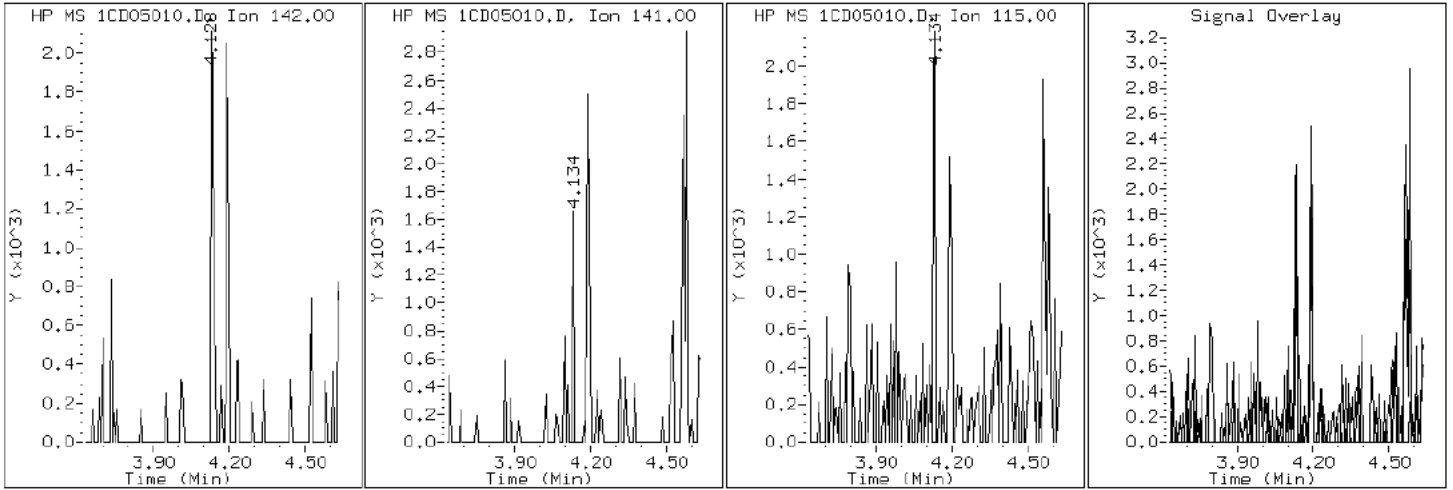
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

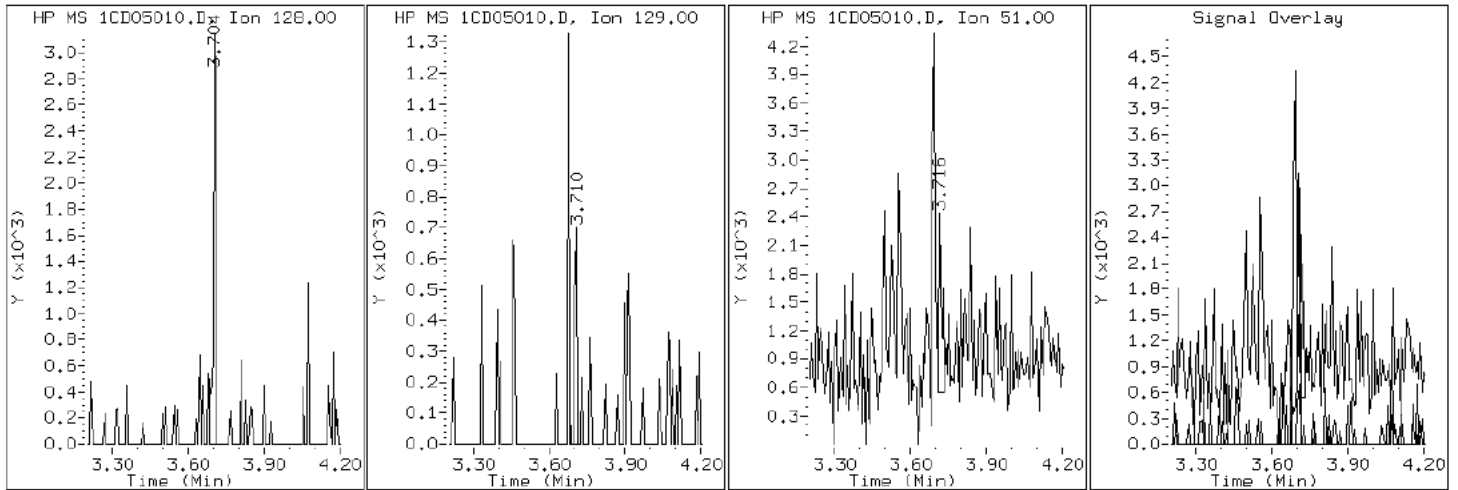
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

2 Naphthalene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

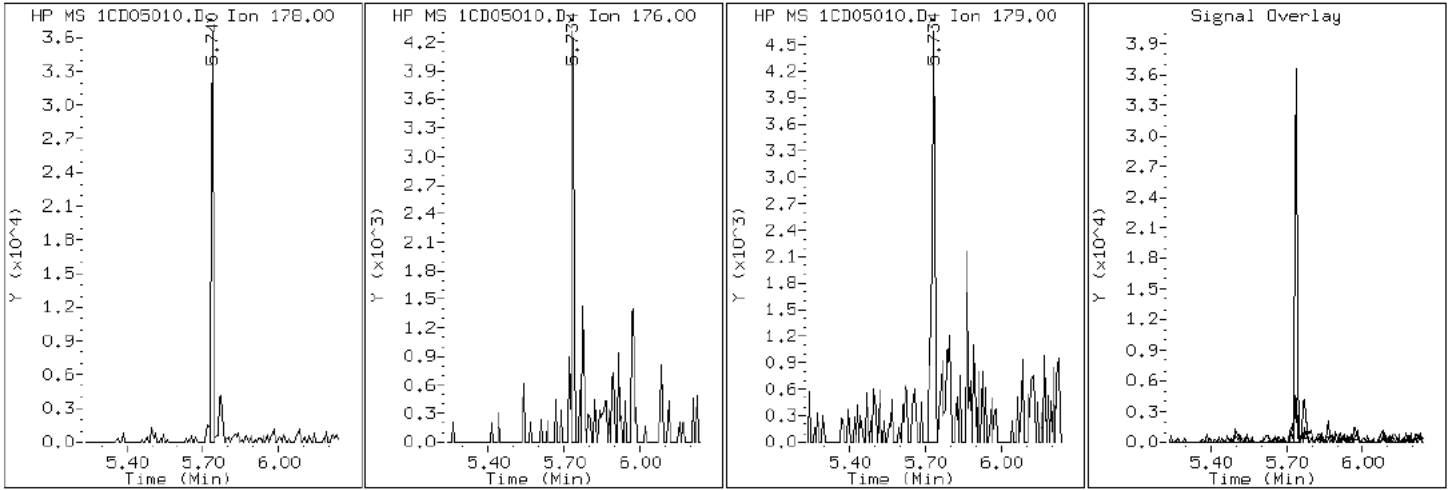
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05010.D

Date: 05-APR-2013 14:07

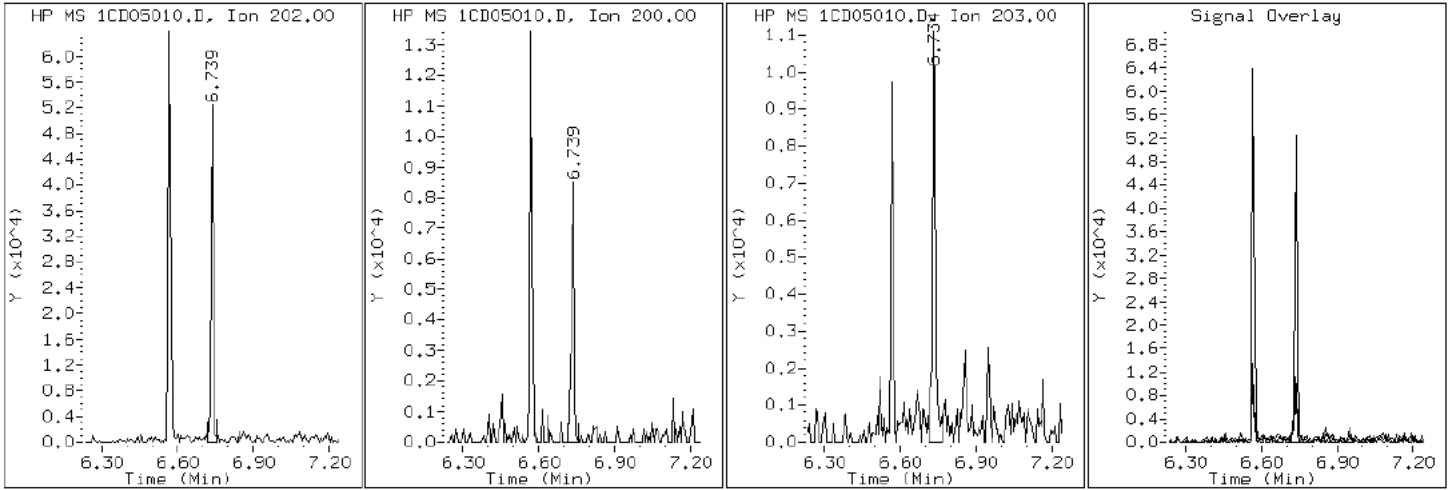
Client ID: CV0509U-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-31-a

Operator: SCC

16 Pyrene

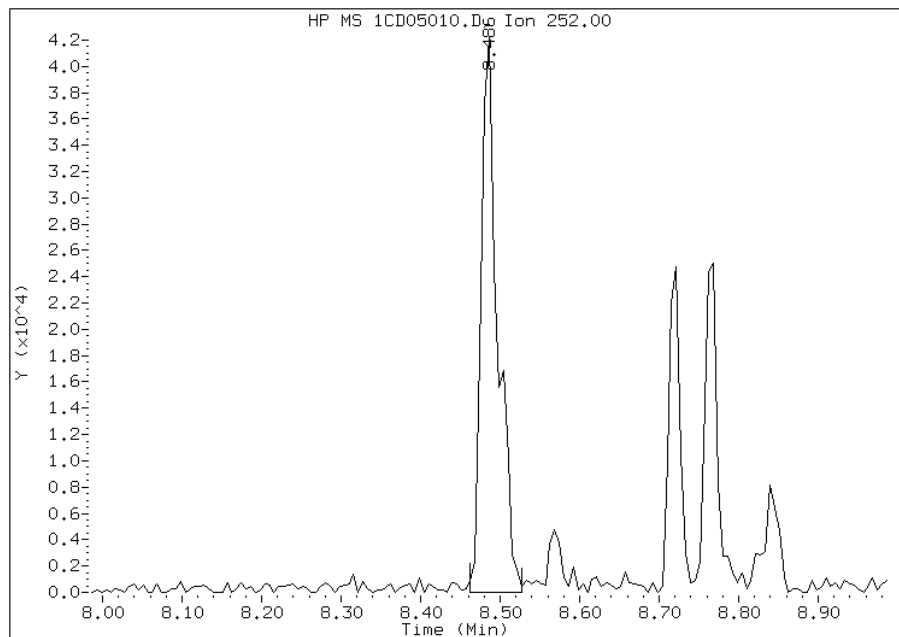


Manual Integration Report

Data File: 1CD05010.D
Inj. Date and Time: 05-APR-2013 14:07
Instrument ID: BSMC5973.i
Client ID: CV0509U-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

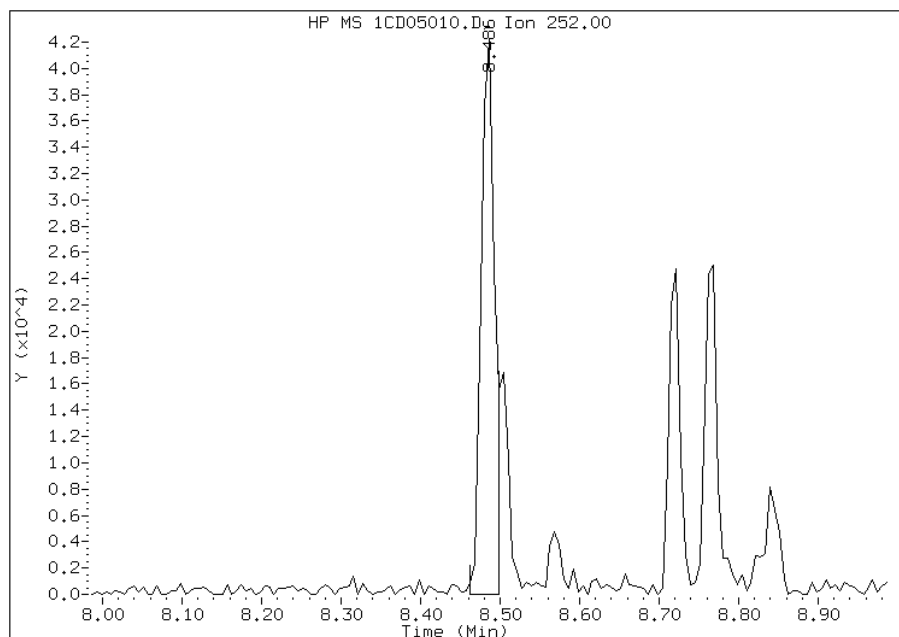
Processing Integration Results

RT: 8.49
Response: 61065
Amount: 3
Conc: 787



Manual Integration Results

RT: 8.49
Response: 49686
Amount: 2
Conc: 640



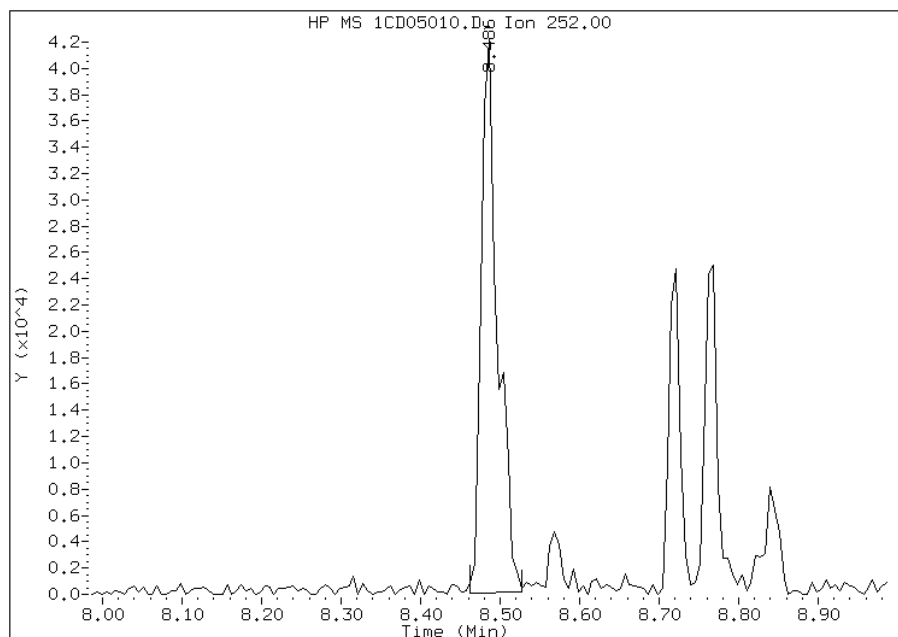
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:00
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05010.D
Inj. Date and Time: 05-APR-2013 14:07
Instrument ID: BSMC5973.i
Client ID: CV0509U-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

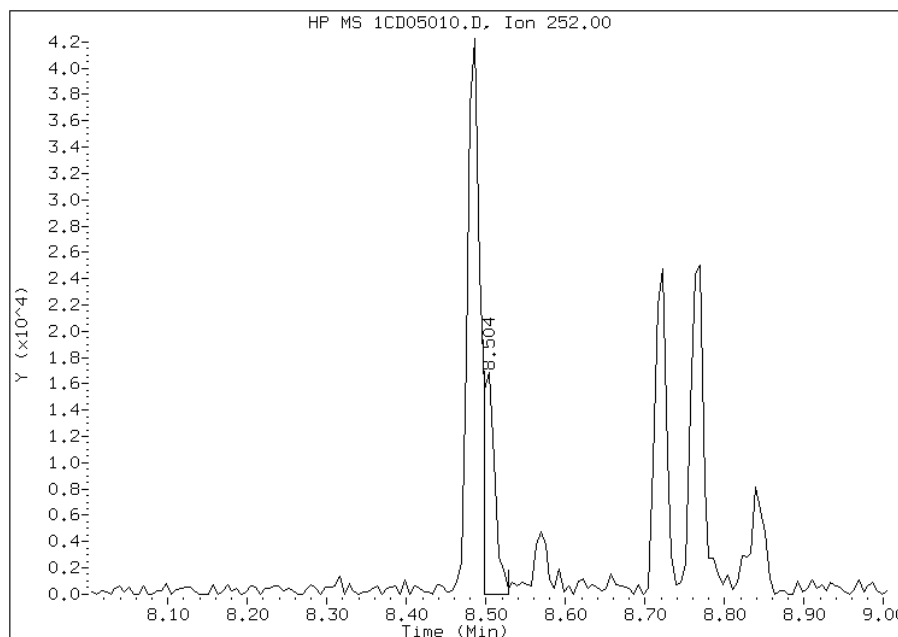
Processing Integration Results

RT: 8.49
Response: 60460
Amount: 3
Conc: 806



Manual Integration Results

RT: 8.50
Response: 16900
Amount: 1
Conc: 225



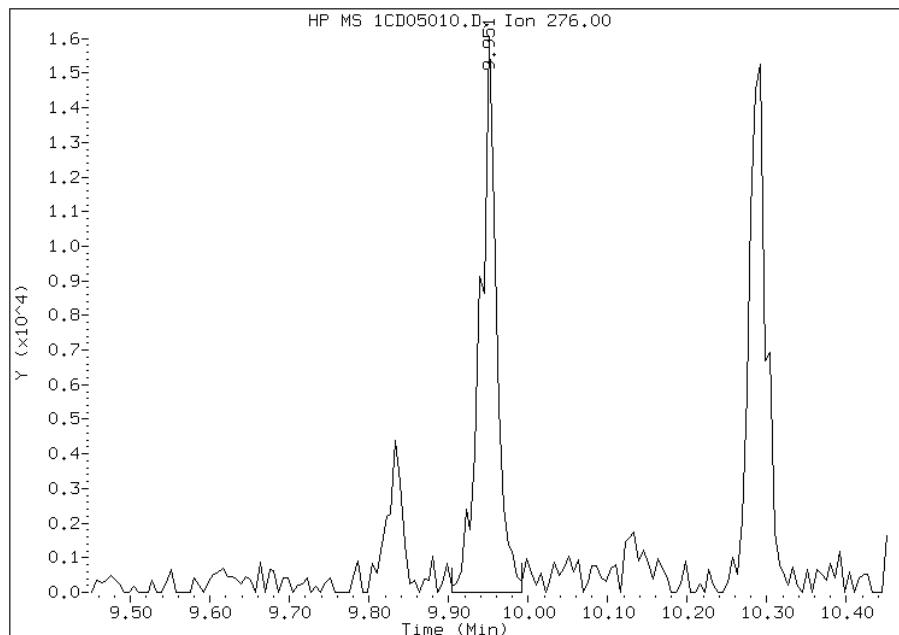
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05010.D
Inj. Date and Time: 05-APR-2013 14:07
Instrument ID: BSMC5973.i
Client ID: CV0509U-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

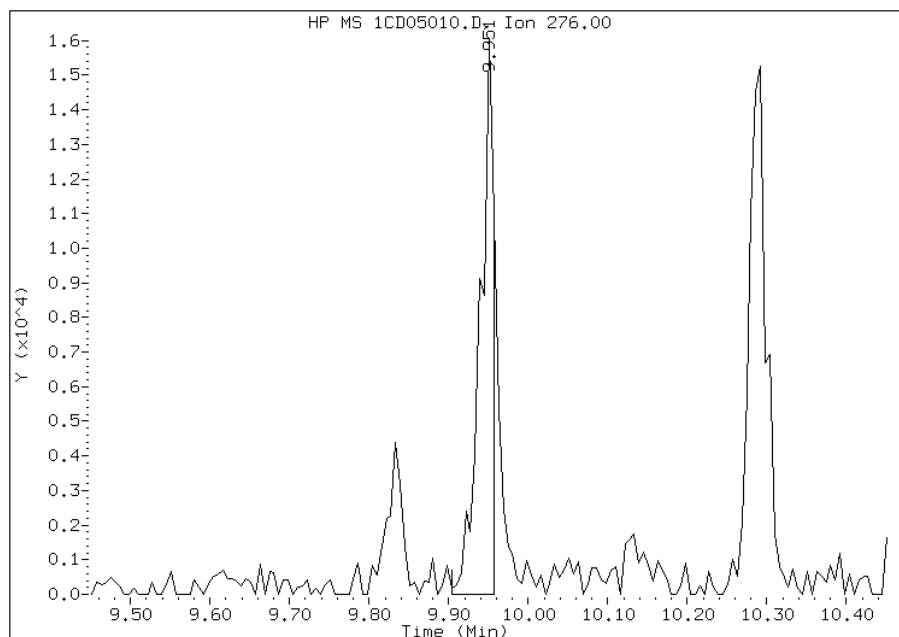
Processing Integration Results

RT: 9.95
Response: 23011
Amount: 1
Conc: 332



Manual Integration Results

RT: 9.95
Response: 19088
Amount: 1
Conc: 275



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:00
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509V-CS Lab Sample ID: 680-88767-32
 Matrix: Solid Lab File ID: 1CD05011.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:35
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.30 (g) Date Analyzed: 04/05/2013 14:26
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: 29.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	28	J	140	28
208-96-8	Acenaphthylene	14	J	56	6.9
120-12-7	Anthracene	64		12	5.8
56-55-3	Benzo[a]anthracene	330		11	5.4
50-32-8	Benzo[a]pyrene	260		14	7.2
205-99-2	Benzo[b]fluoranthene	410		17	8.5
191-24-2	Benzo[g,h,i]perylene	190		28	6.1
207-08-9	Benzo[k]fluoranthene	150		11	5.0
218-01-9	Chrysene	310		12	6.2
53-70-3	Dibenz(a,h)anthracene	60		28	5.7
206-44-0	Fluoranthene	690		28	5.6
86-73-7	Fluorene	27	J	28	5.7
193-39-5	Indeno[1,2,3-cd]pyrene	180		28	9.9
90-12-0	1-Methylnaphthalene	31	J	56	6.1
91-57-6	2-Methylnaphthalene	42	J	56	9.9
91-20-3	Naphthalene	42	J	56	6.1
85-01-8	Phenanthrene	430		11	5.4
129-00-0	Pyrene	520		28	5.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05011.D
 Lab Smp Id: 680-88767-A-32-A Client Smp ID: CV0509V-CS
 Inj Date : 05-APR-2013 14:26
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-32-a
 Misc Info : 680-88767-A-32-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 10
 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	29.352	% 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		3.692	3.692	(1.000)	447852	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	345475	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	689625	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	71878	7.11094	657.8635
* 18 Chrysene-d12	240		7.656	7.662	(1.000)	833854	40.0000	
* 23 Perylene-d12	264		8.821	8.827	(1.000)	848577	40.0000	
2 Naphthalene	128		3.704	3.704	(1.003)	5244	0.45588	42.1755(Q)
3 2-Methylnaphthalene	142		4.127	4.133	(1.118)	3563	0.45503	42.0967
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	2323	0.32970	30.5023
5 Acenaphthylene	152		4.692	4.692	(0.982)	2221	0.15533	14.3704
7 Acenaphthene	154		4.798	4.798	(1.004)	2661	0.30048	27.7983
9 Fluorene	166		5.115	5.116	(1.070)	3428	0.29036	26.8628
11 Phenanthrene	178		5.739	5.739	(1.003)	93794	4.66983	432.0264
12 Anthracene	178		5.768	5.774	(1.008)	14056	0.69036	63.8682

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.880	5.880	(1.028)	10905	0.62516	57.8358
15 Fluoranthene	202	6.568	6.574	(1.148)	164890	7.43369	687.7225
16 Pyrene	202	6.739	6.739	(0.880)	130610	5.65450	523.1225
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	81763	3.51974	325.6261
19 Chrysene	228	7.674	7.680	(1.002)	79114	3.32955	308.0306
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.962)	105094	4.38074	405.2814(M)
21 Benzo(k)fluoranthene	252	8.503	8.509	(0.964)	36937	1.59193	147.2763(QM)
22 Benzo(a)pyrene	252	8.768	8.774	(0.994)	62954	2.78730	257.8650
24 Indeno(1,2,3-cd)pyrene	276	9.950	9.962	(1.128)	40935	1.90817	176.5334(M)
25 Dibenzo(a,h)anthracene	278	9.968	9.980	(1.130)	12914	0.65166	60.2881
26 Benzo(g,h,i)perylene	276	10.292	10.303	(1.167)	44539	2.03423	188.1953

QC Flag Legend

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

Data File: 1CD05011.D

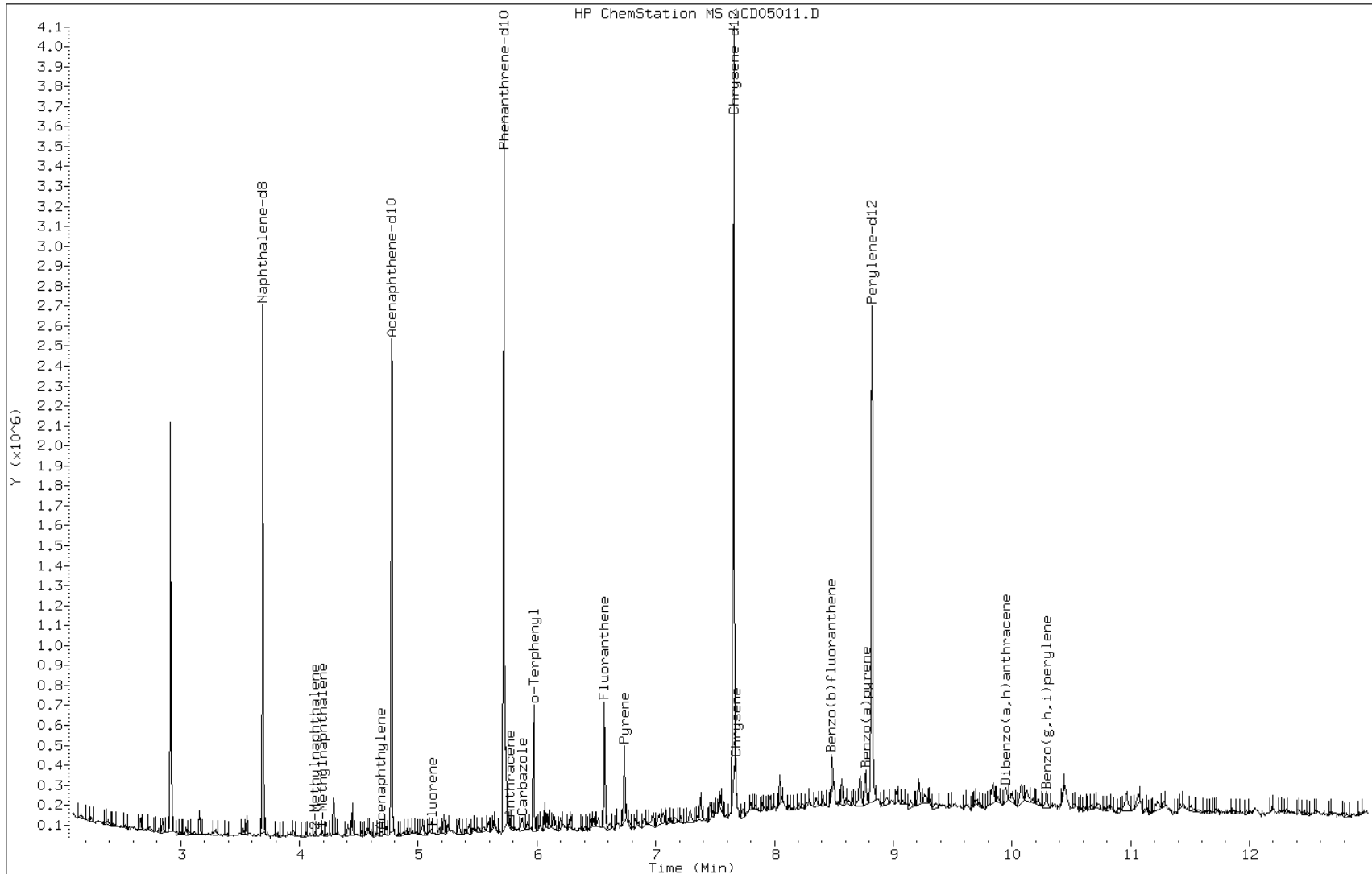
Date: 05-APR-2013 14:26

Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

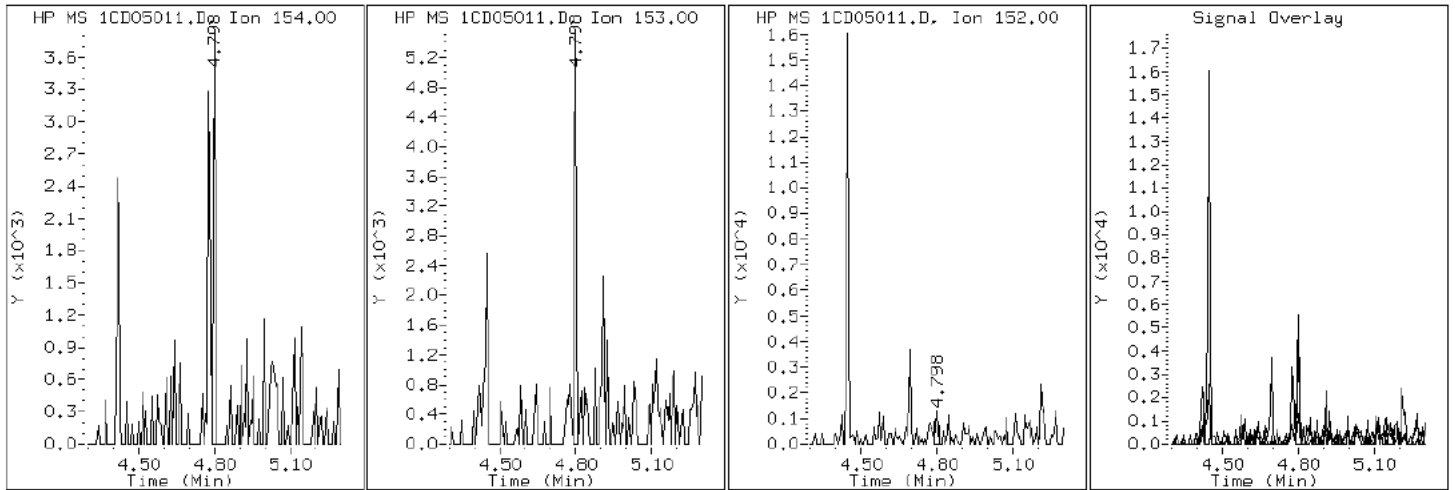
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

7 Acenaphthene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

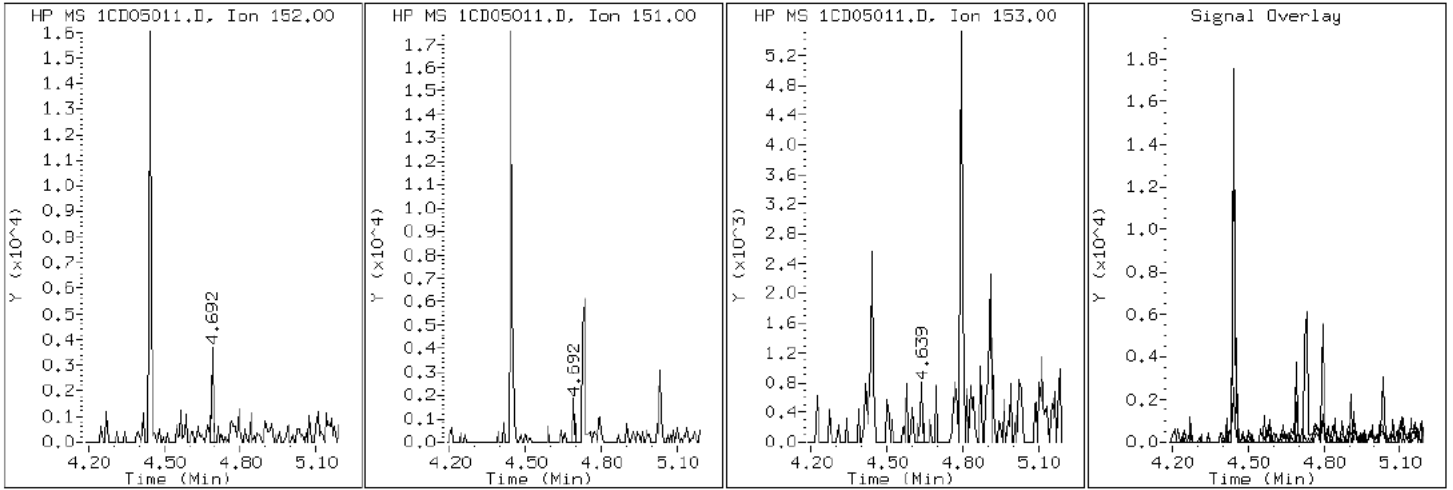
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

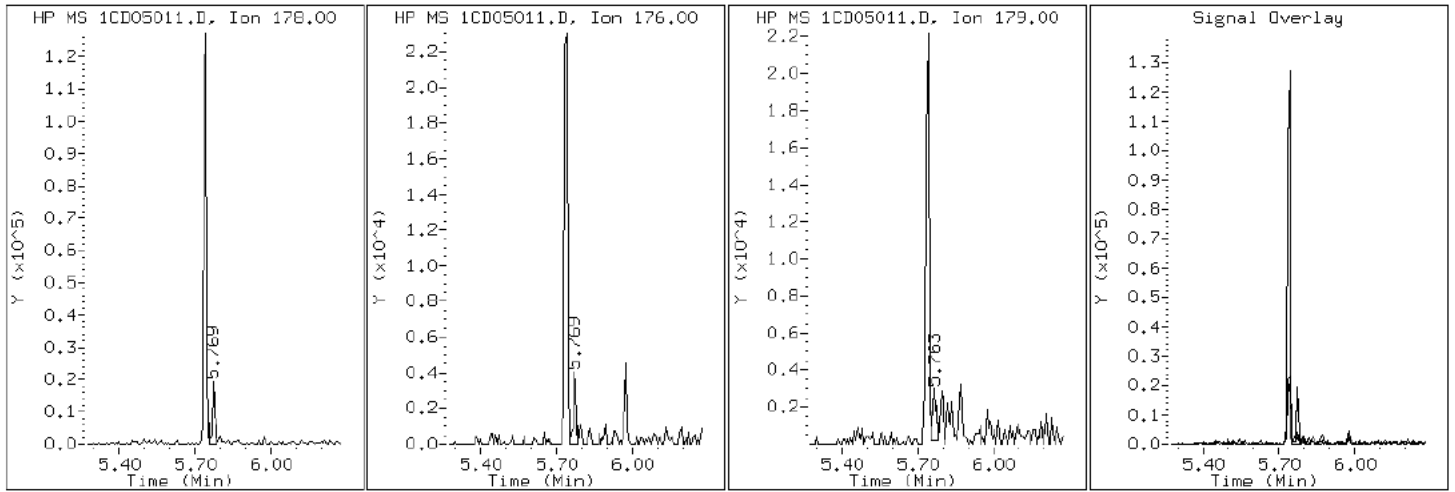
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

12 Anthracene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

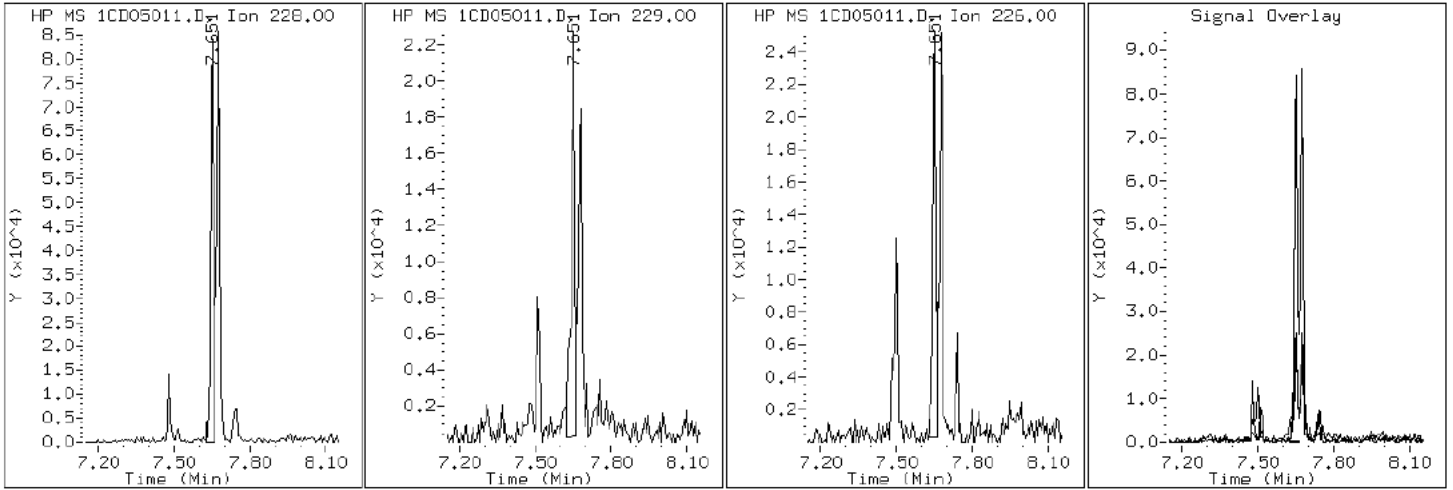
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

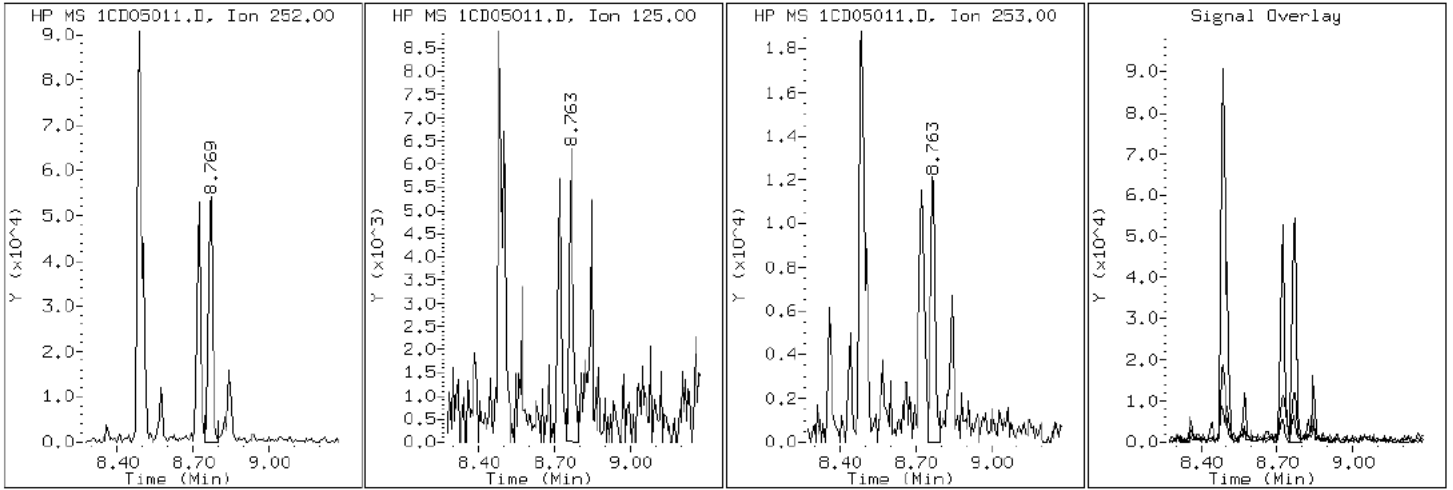
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

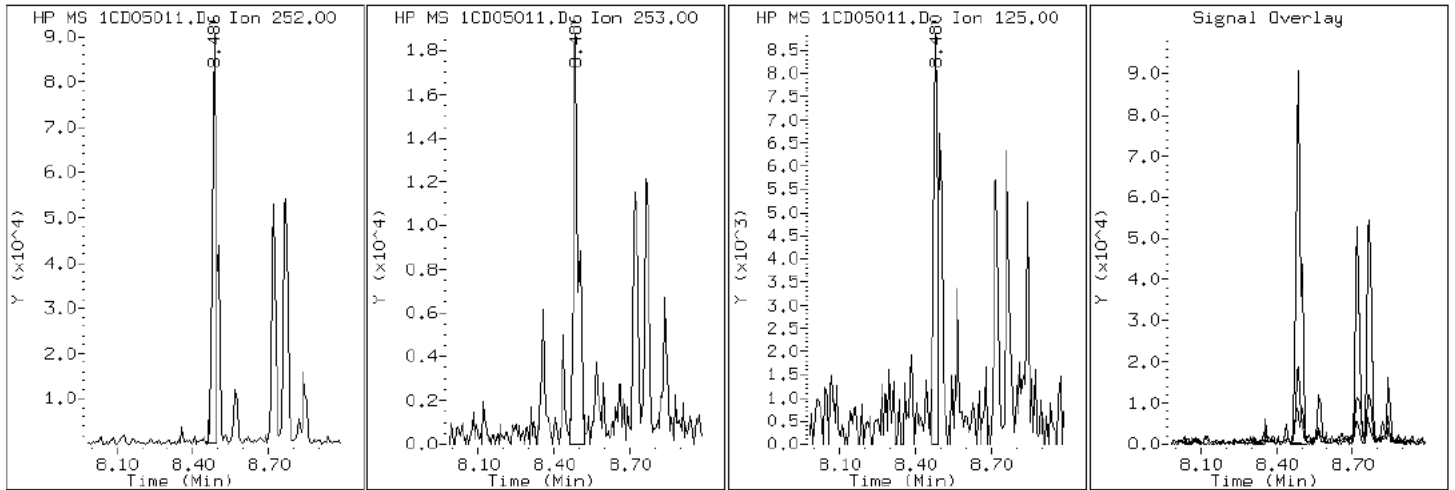
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

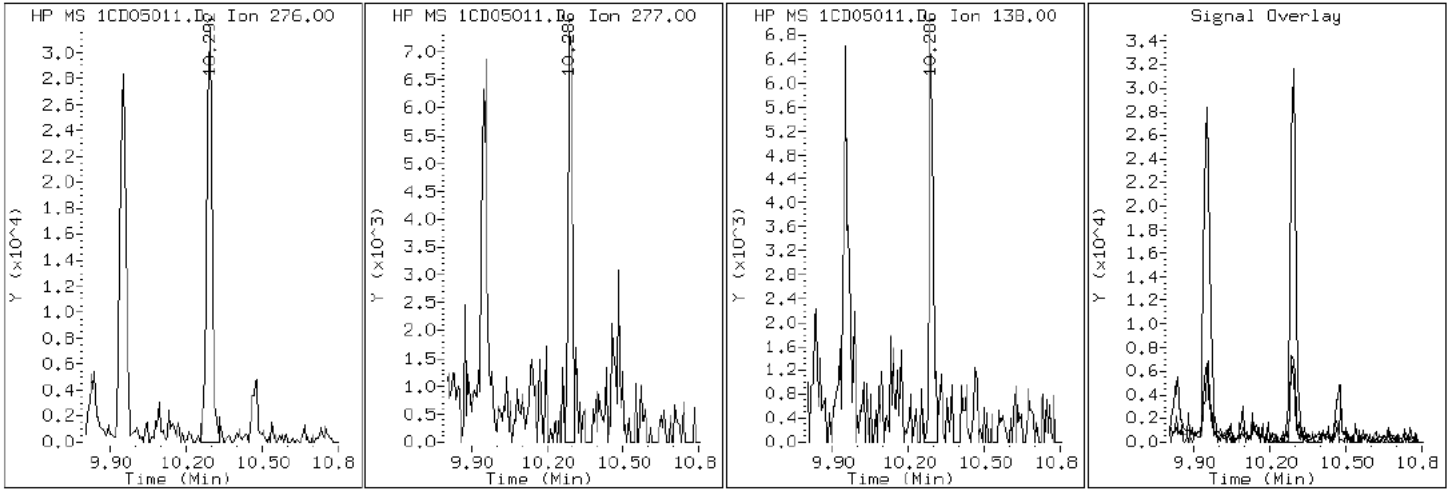
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

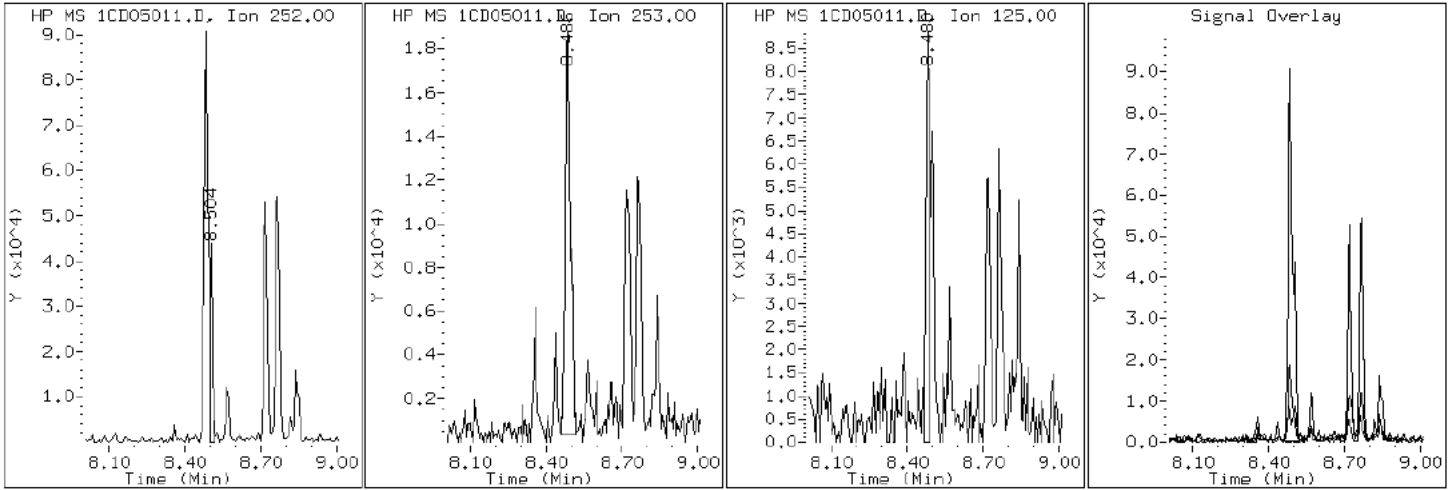
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

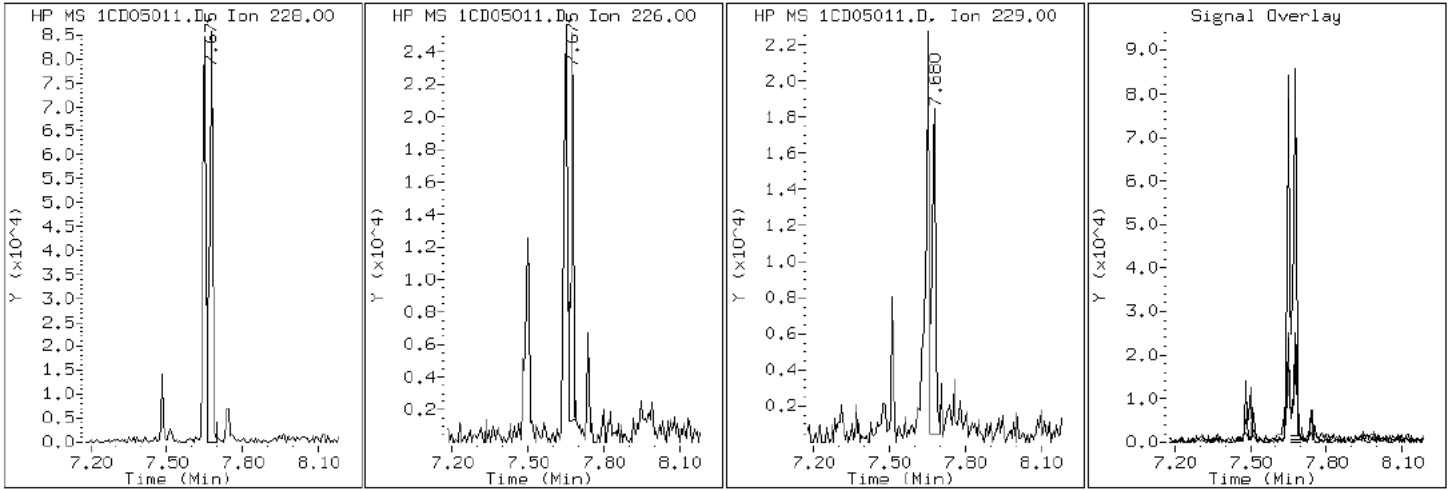
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

19 Chrysene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

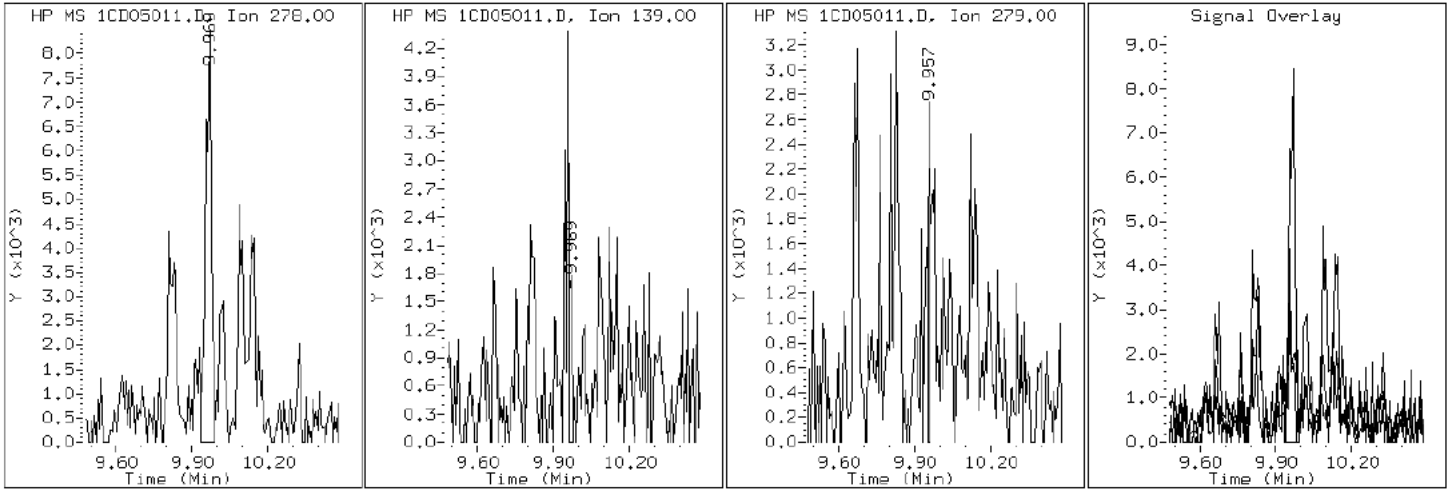
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

25 Dibenzo (a,h)anthracene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

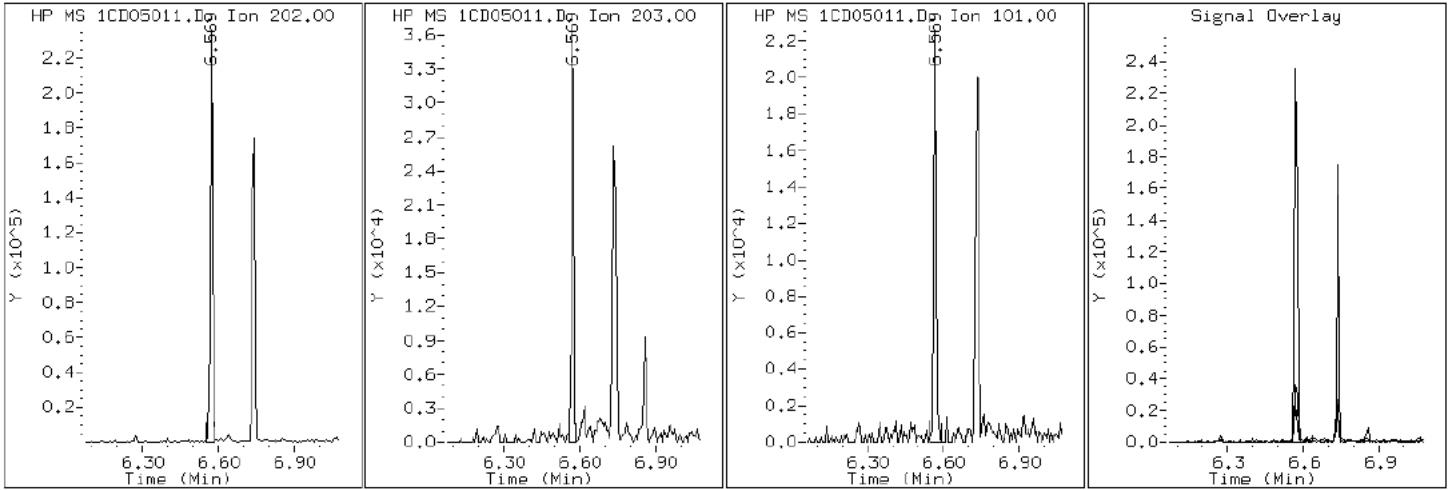
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

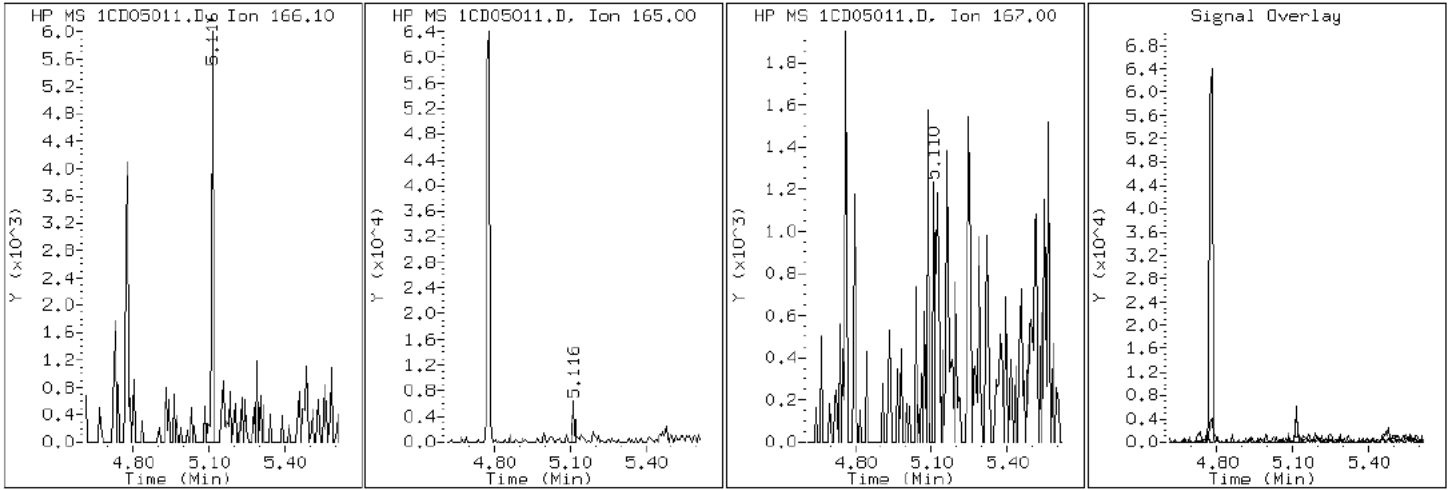
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

9 Fluorene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

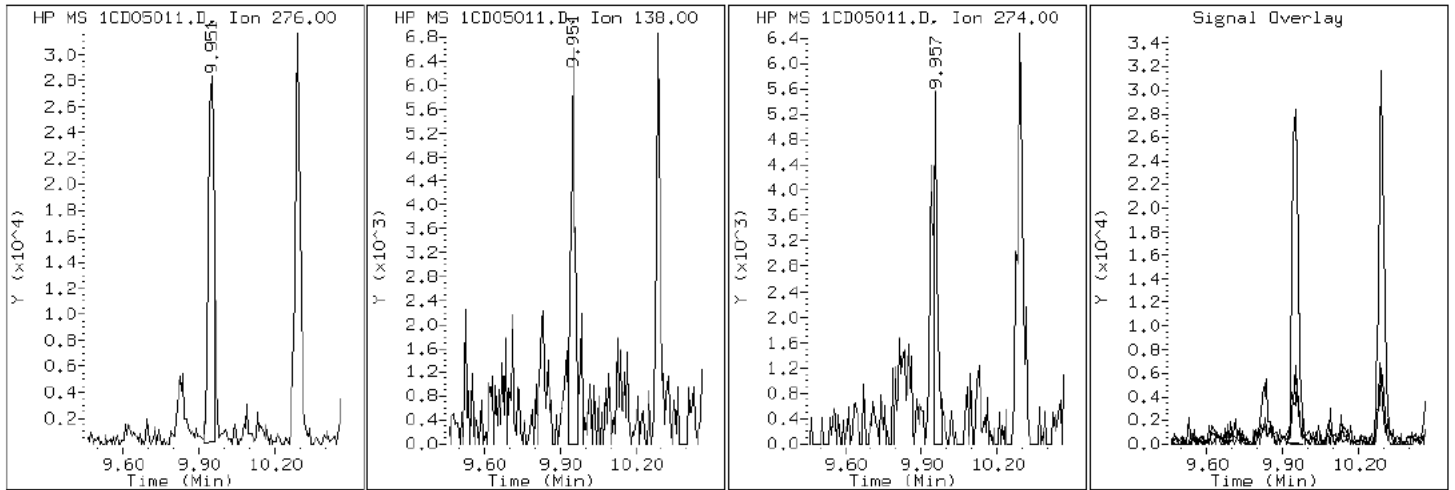
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

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



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

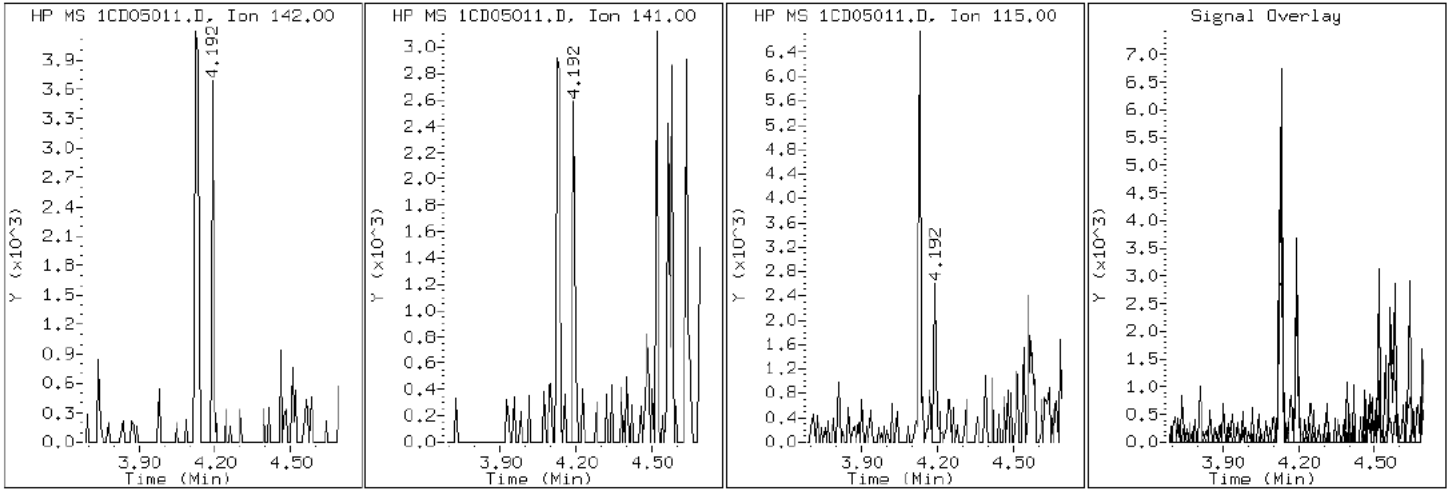
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

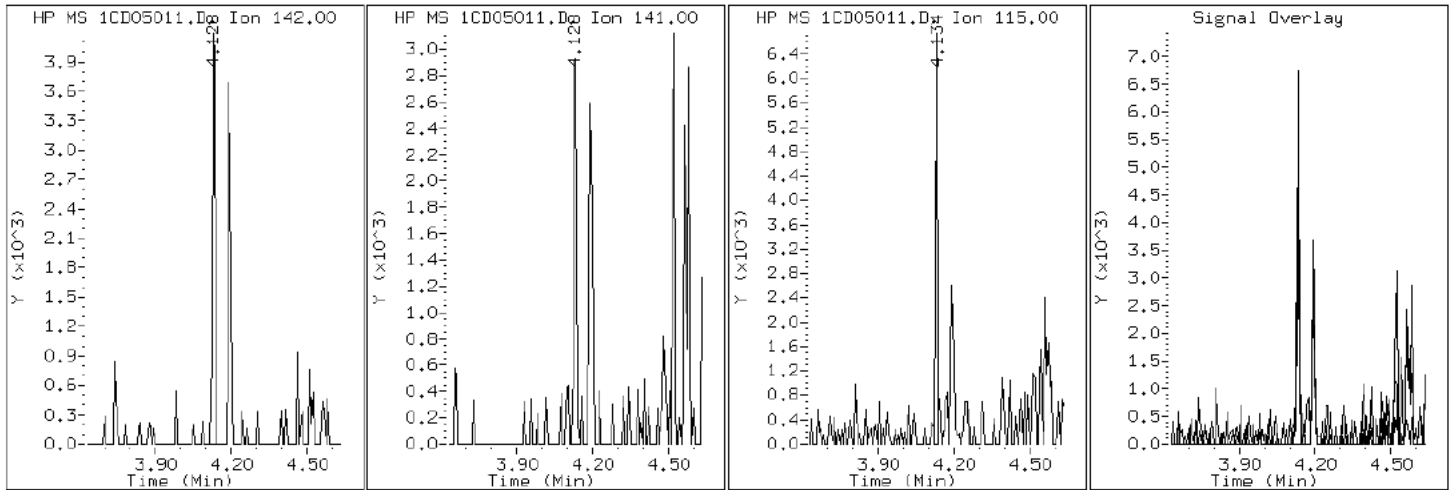
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

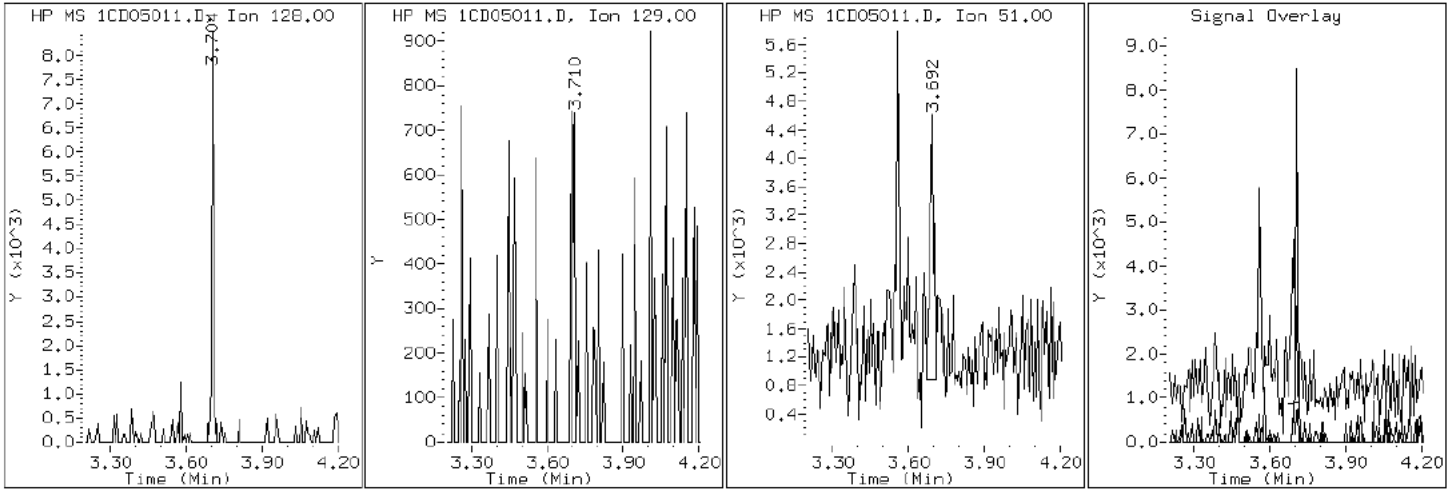
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

2 Naphthalene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

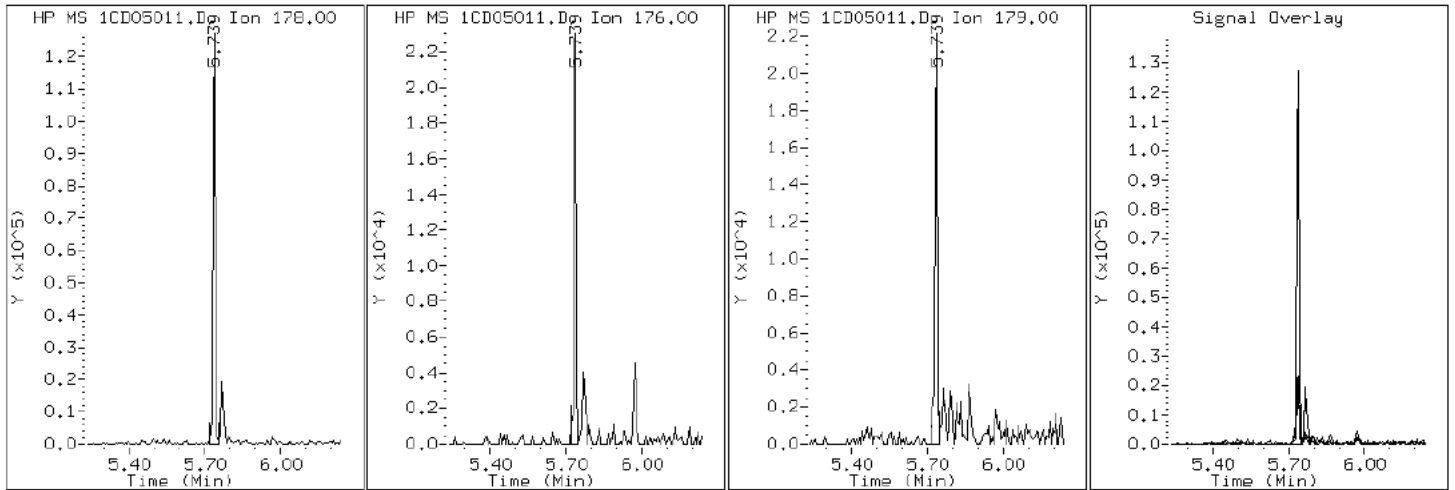
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05011.D

Date: 05-APR-2013 14:26

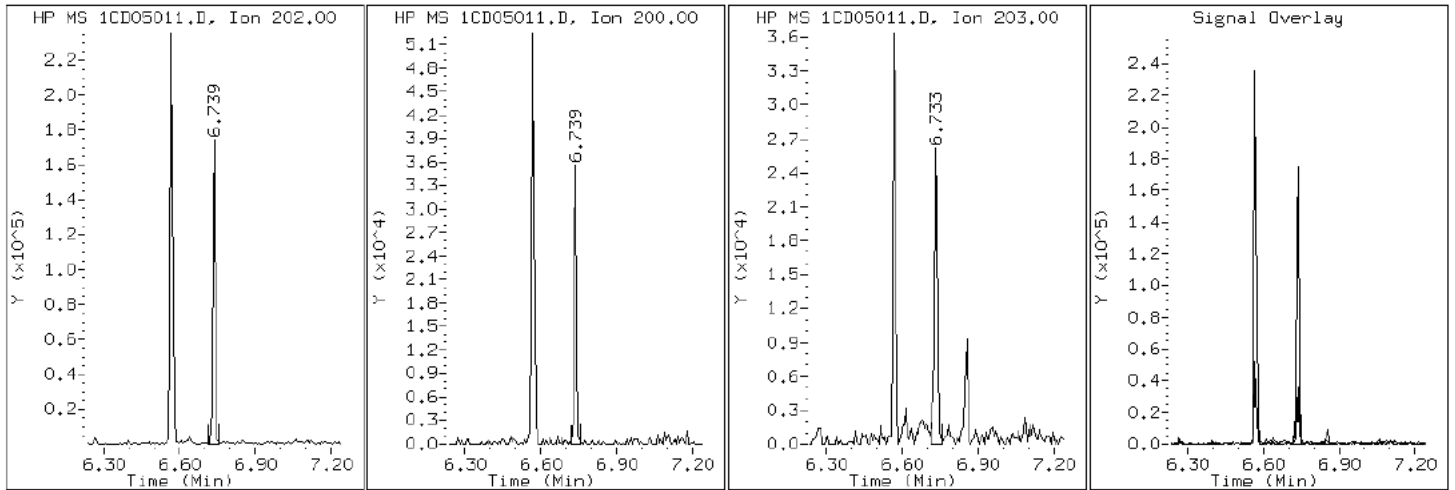
Client ID: CV0509V-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-32-a

Operator: SCC

16 Pyrene

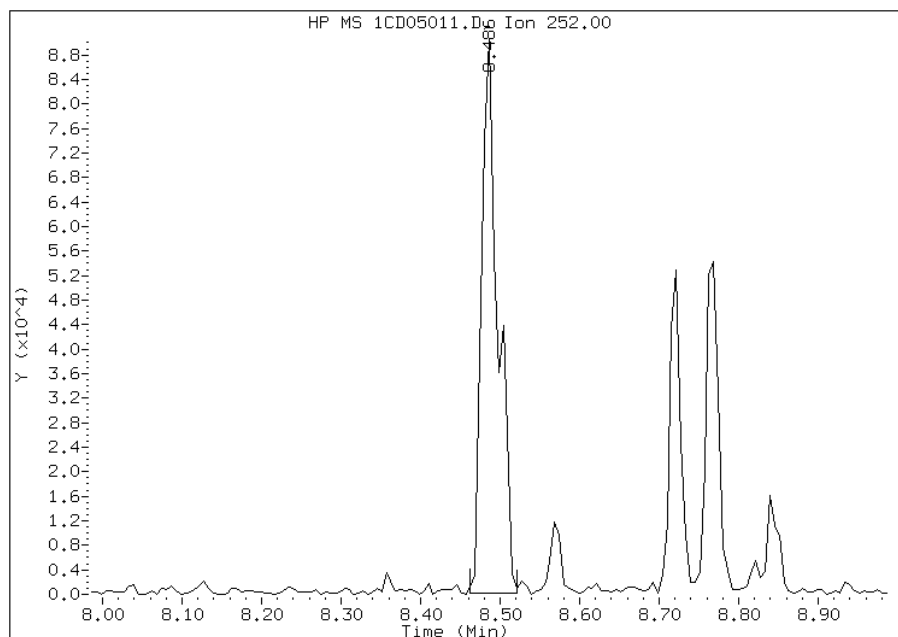


Manual Integration Report

Data File: 1CD05011.D
Inj. Date and Time: 05-APR-2013 14:26
Instrument ID: BSMC5973.i
Client ID: CV0509V-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

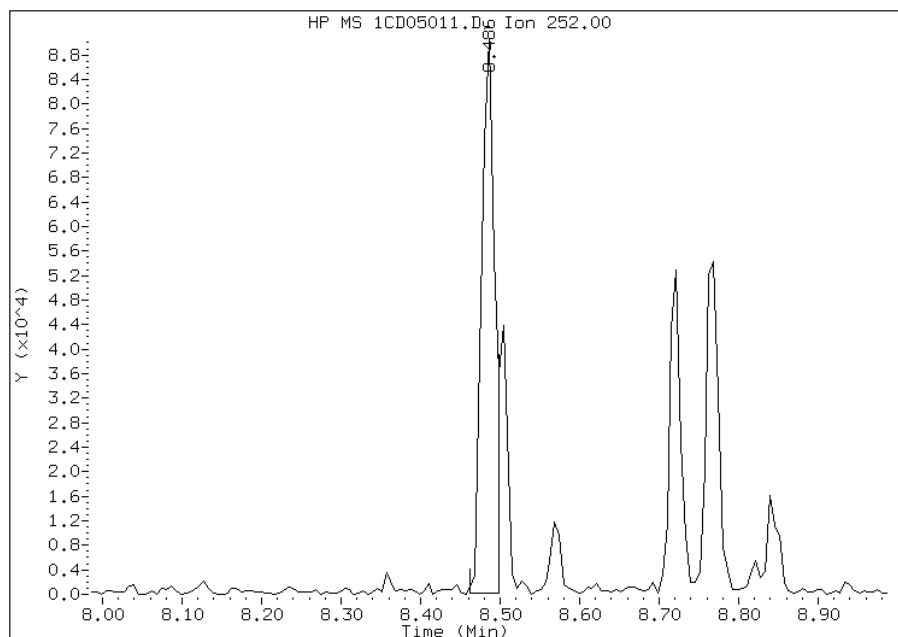
Processing Integration Results

RT: 8.49
Response: 129007
Amount: 5
Conc: 497



Manual Integration Results

RT: 8.49
Response: 105094
Amount: 4
Conc: 405



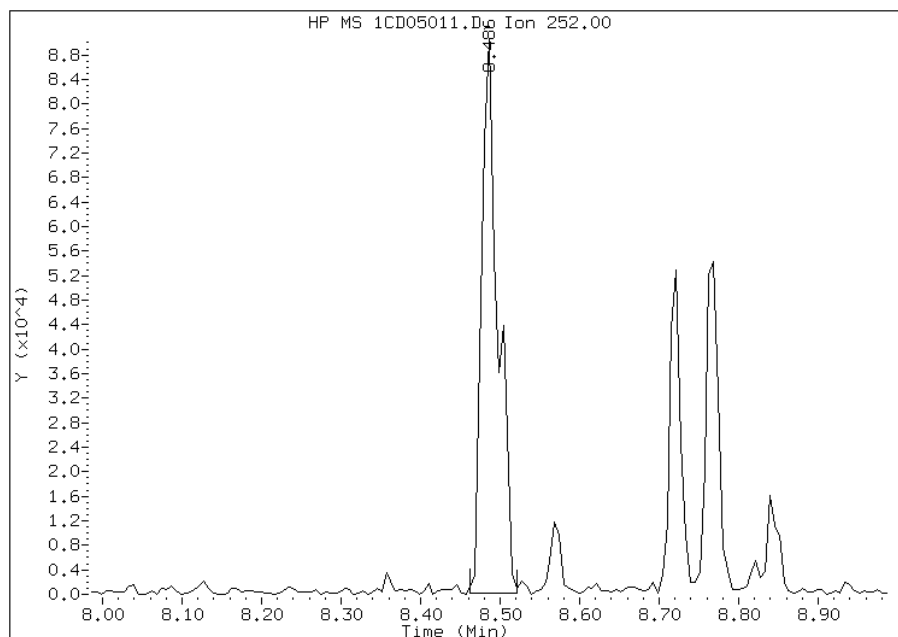
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:01
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05011.D
Inj. Date and Time: 05-APR-2013 14:26
Instrument ID: BSMC5973.i
Client ID: CV0509V-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

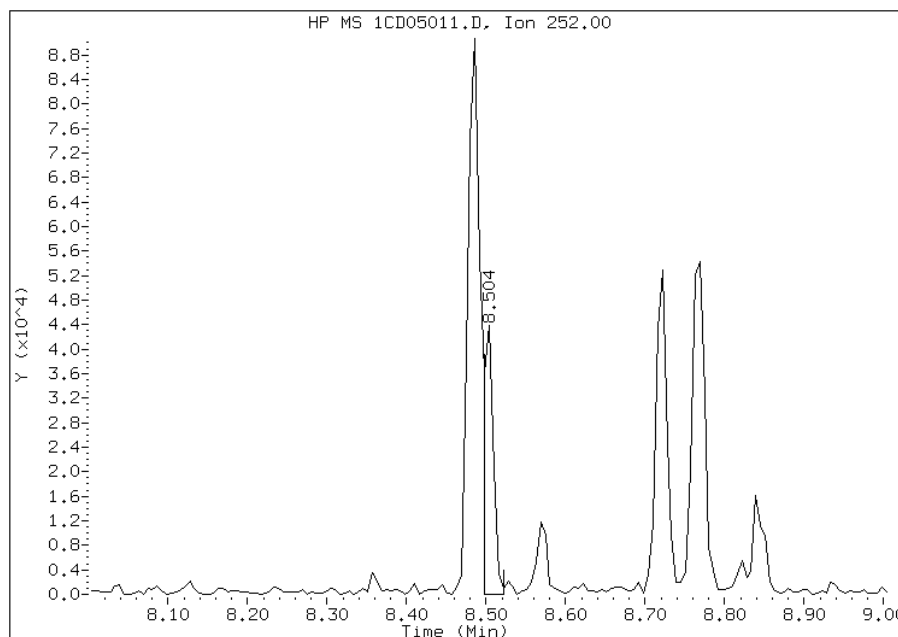
Processing Integration Results

RT: 8.49
Response: 129102
Amount: 6
Conc: 515



Manual Integration Results

RT: 8.50
Response: 36937
Amount: 2
Conc: 147



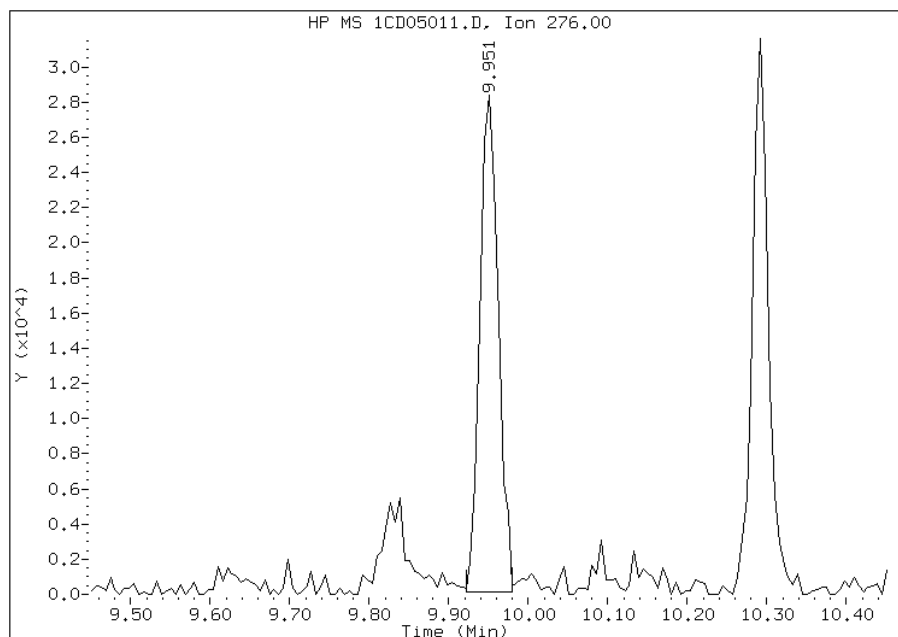
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:01
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05011.D
Inj. Date and Time: 05-APR-2013 14:26
Instrument ID: BSMC5973.i
Client ID: CV0509V-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

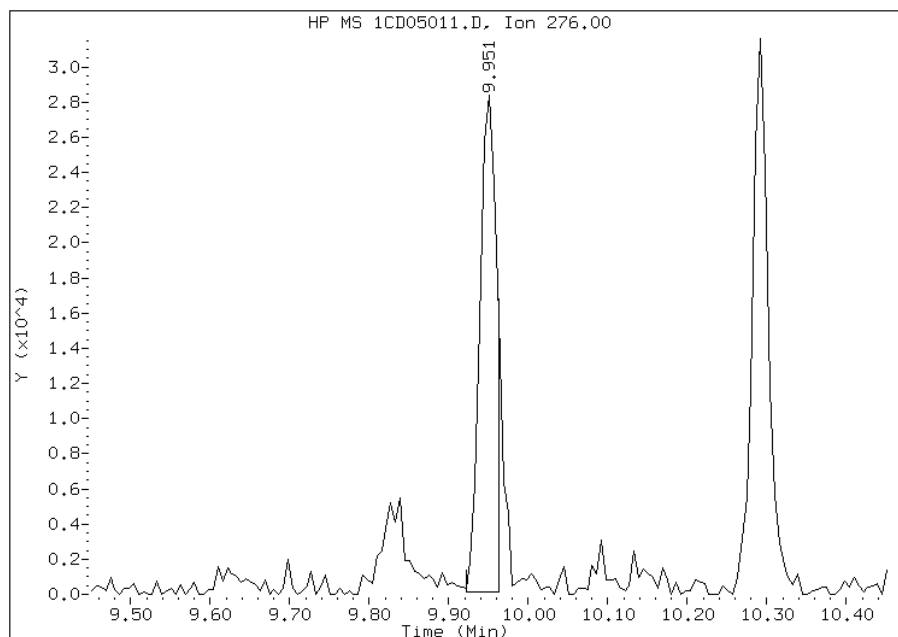
Processing Integration Results

RT: 9.95
Response: 44818
Amount: 2
Conc: 193



Manual Integration Results

RT: 9.95
Response: 40935
Amount: 2
Conc: 177



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:01
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509W-CS Lab Sample ID: 680-88767-33
 Matrix: Solid Lab File ID: 1CD05012.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:40
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 14.97(g) Date Analyzed: 04/05/2013 14:44
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 19.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	29	J	120	25
208-96-8	Acenaphthylene	17	J	50	6.2
120-12-7	Anthracene	75		10	5.2
56-55-3	Benzo[a]anthracene	280		10	4.9
50-32-8	Benzo[a]pyrene	220		13	6.5
205-99-2	Benzo[b]fluoranthene	380		15	7.6
191-24-2	Benzo[g,h,i]perylene	160		25	5.5
207-08-9	Benzo[k]fluoranthene	130		10	4.5
218-01-9	Chrysene	260		11	5.6
53-70-3	Dibenz(a,h)anthracene	50		25	5.1
206-44-0	Fluoranthene	550		25	5.0
86-73-7	Fluorene	20	J	25	5.1
193-39-5	Indeno[1,2,3-cd]pyrene	140		25	8.8
90-12-0	1-Methylnaphthalene	34	J	50	5.5
91-57-6	2-Methylnaphthalene	32	J	50	8.8
91-20-3	Naphthalene	44	J	50	5.5
85-01-8	Phenanthrene	270		10	4.9
129-00-0	Pyrene	430		25	4.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	74		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05012.D
 Lab Smp Id: 680-88767-A-33-A Client Smp ID: CV0509W-CS
 Inj Date : 05-APR-2013 14:44
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-33-a
 Misc Info : 680-88767-A-33-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 11
 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	14.970	Weight Extracted
M	19.456	% 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		3.692	3.692	(1.000)	491422	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	399078	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	741744	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	80337	7.36094	610.4899
* 18 Chrysene-d12	240		7.656	7.662	(1.000)	899463	40.0000	
* 23 Perylene-d12	264		8.821	8.827	(1.000)	890327	40.0000	
2 Naphthalene	128		3.704	3.704	(1.003)	6647	0.52662	43.6757
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	3280	0.38175	31.6608
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	3148	0.40718	33.7703(Q)
5 Acenaphthylene	152		4.686	4.692	(0.980)	3437	0.20809	17.2582
7 Acenaphthene	154		4.798	4.798	(1.004)	3531	0.34516	28.6263
9 Fluorene	166		5.115	5.116	(1.070)	3280	0.24051	19.9471
11 Phenanthrene	178		5.739	5.739	(1.003)	71589	3.31384	274.8381
12 Anthracene	178		5.768	5.774	(1.008)	19673	0.89835	74.5056

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.880	5.880	(1.028)	12555	0.66917	55.4987
15 Fluoranthene	202	6.568	6.574	(1.148)	156916	6.57713	545.4835
16 Pyrene	202	6.739	6.739	(0.880)	128050	5.13931	426.2356
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	84842	3.39104	281.2404
19 Chrysene	228	7.674	7.680	(1.002)	79930	3.11852	258.6387
20 Benzo(b)fluoranthene	252	8.480	8.486	(0.961)	116435	4.62589	383.6547(M)
21 Benzo(k)fluoranthene	252	8.503	8.509	(0.964)	39089	1.60568	133.1693(QM)
22 Benzo(a)pyrene	252	8.768	8.774	(0.994)	62128	2.62174	217.4376
24 Indeno(1,2,3-cd)pyrene	276	9.950	9.962	(1.128)	37876	1.68279	139.5643(M)
25 Dibenzo(a,h)anthracene	278	9.950	9.980	(1.128)	12570	0.60456	50.1400(M)
26 Benzo(g,h,i)perylene	276	10.292	10.303	(1.167)	45286	1.97136	163.4973

QC Flag Legend

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

Data File: 1CD05012.D

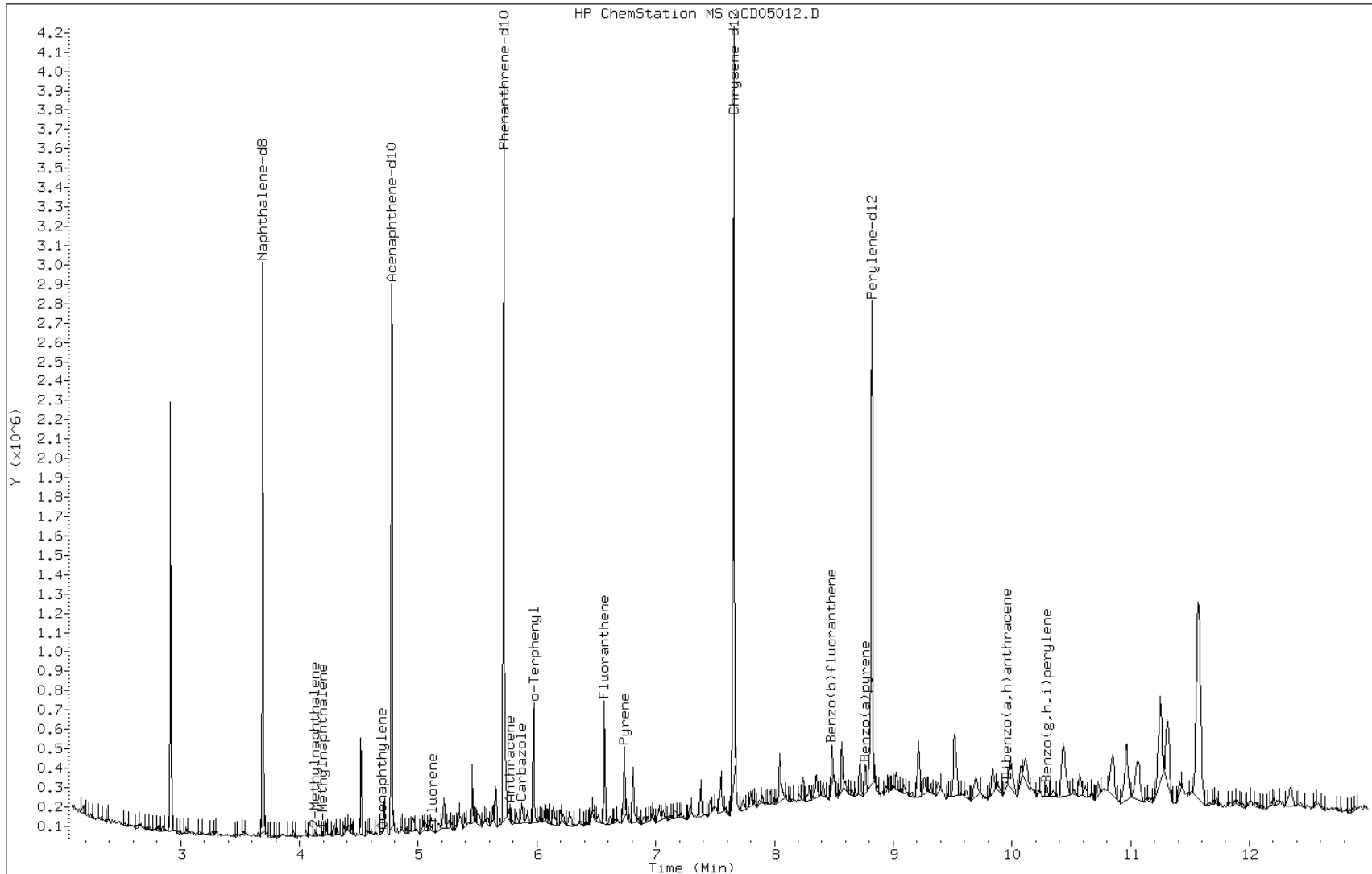
Date: 05-APR-2013 14:44

Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

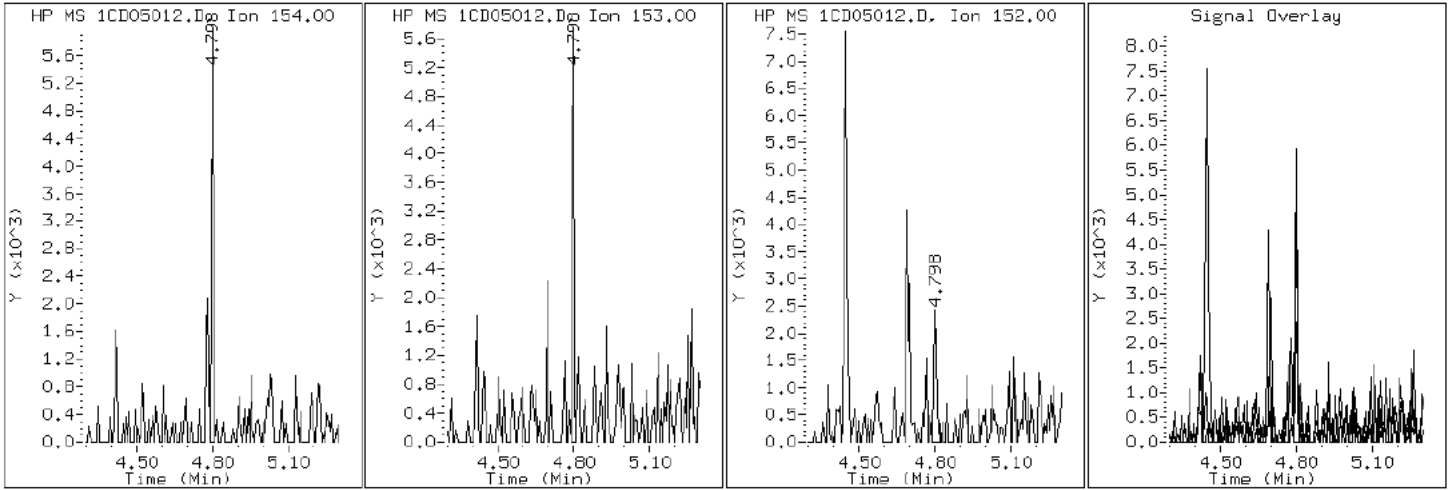
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

7 Acenaphthene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

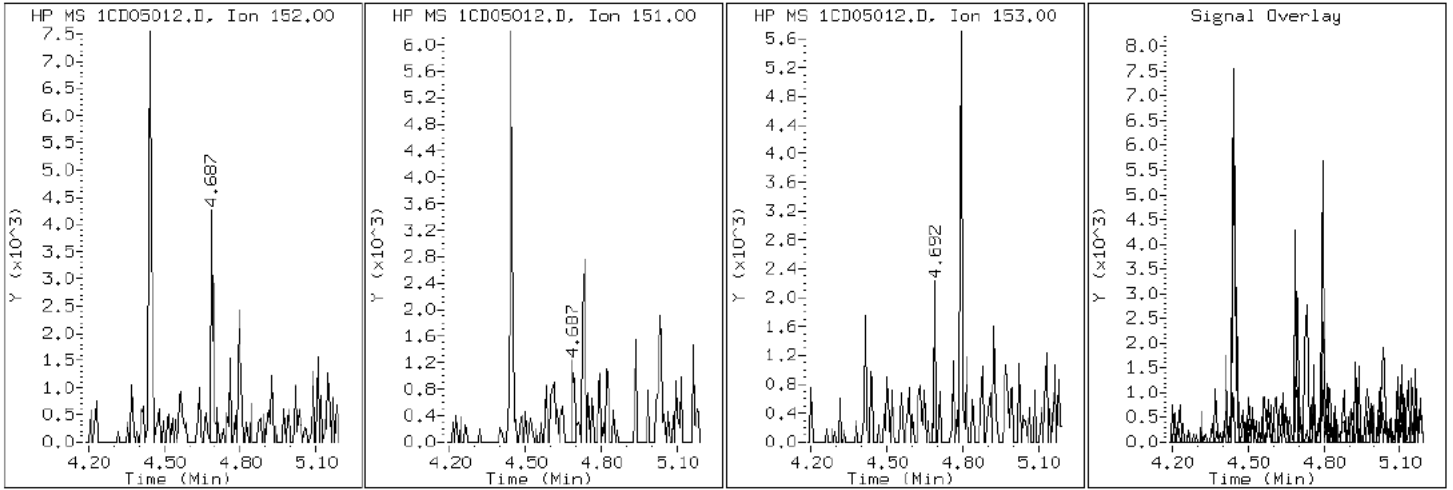
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

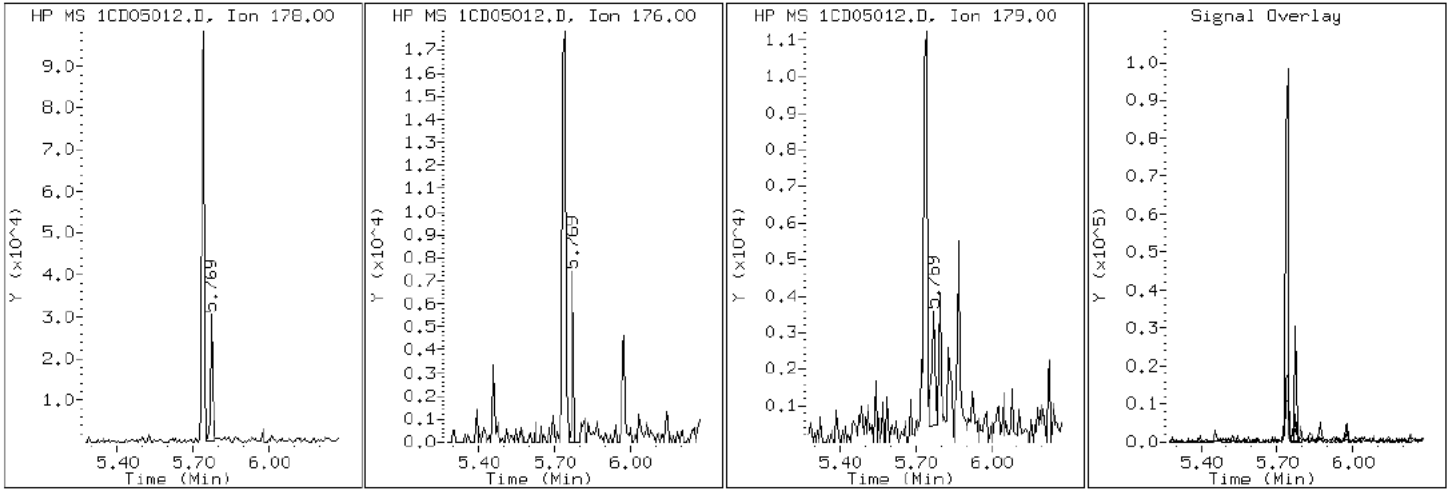
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

12 Anthracene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

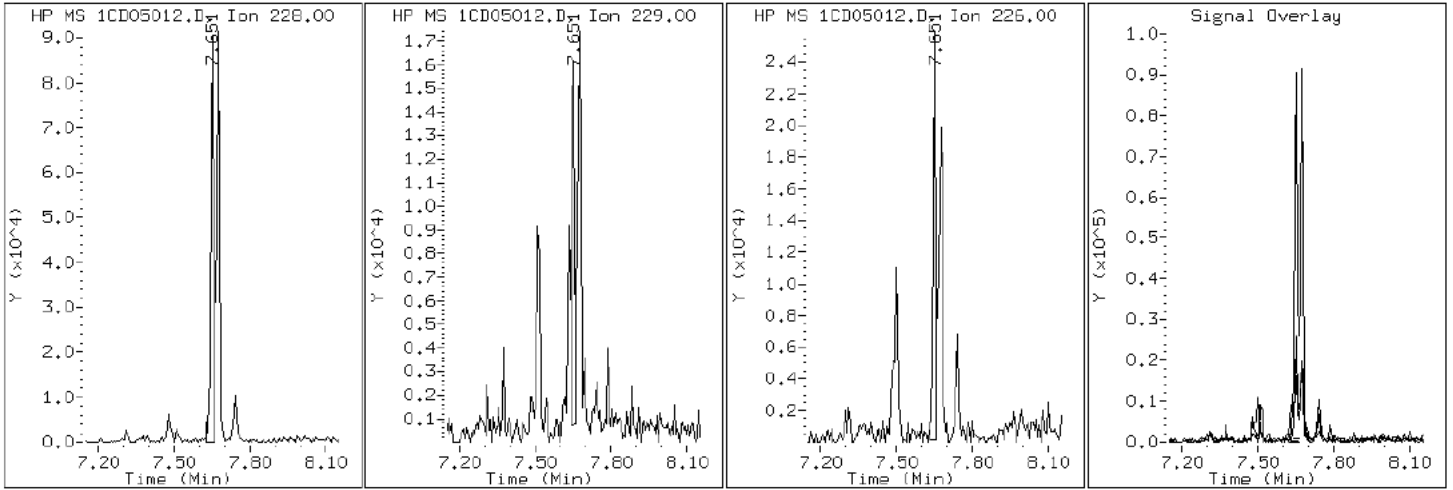
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

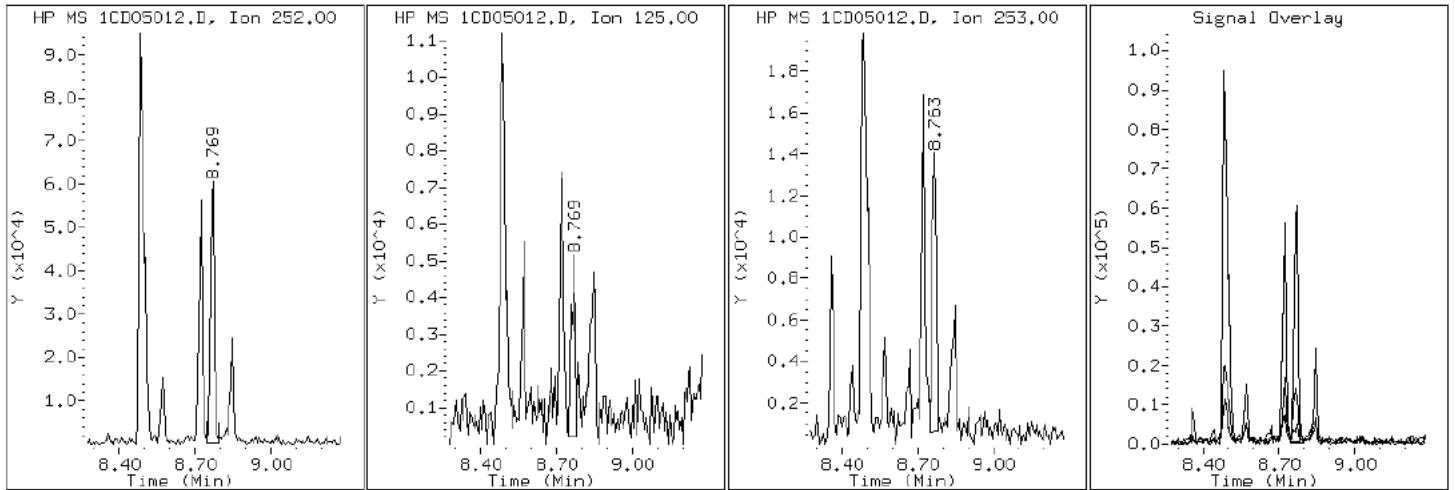
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

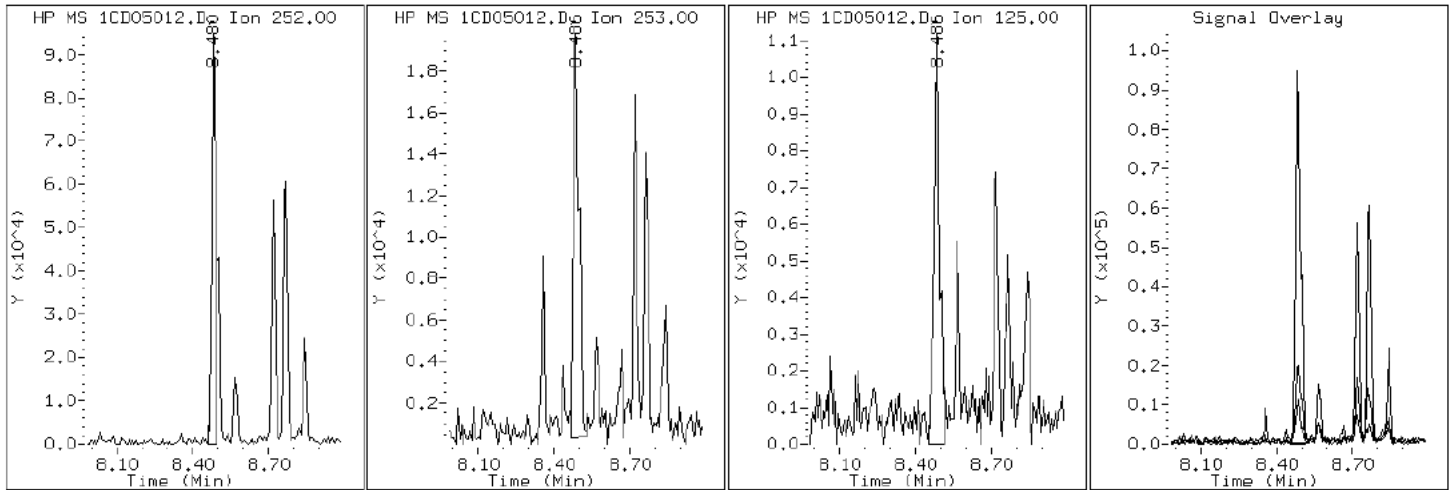
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

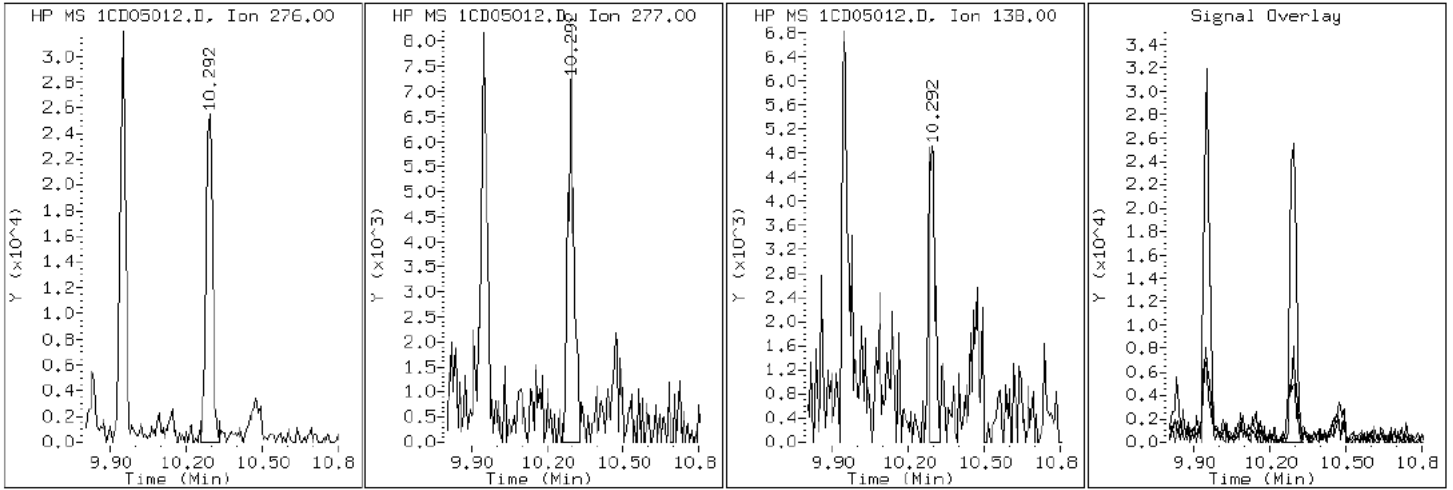
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

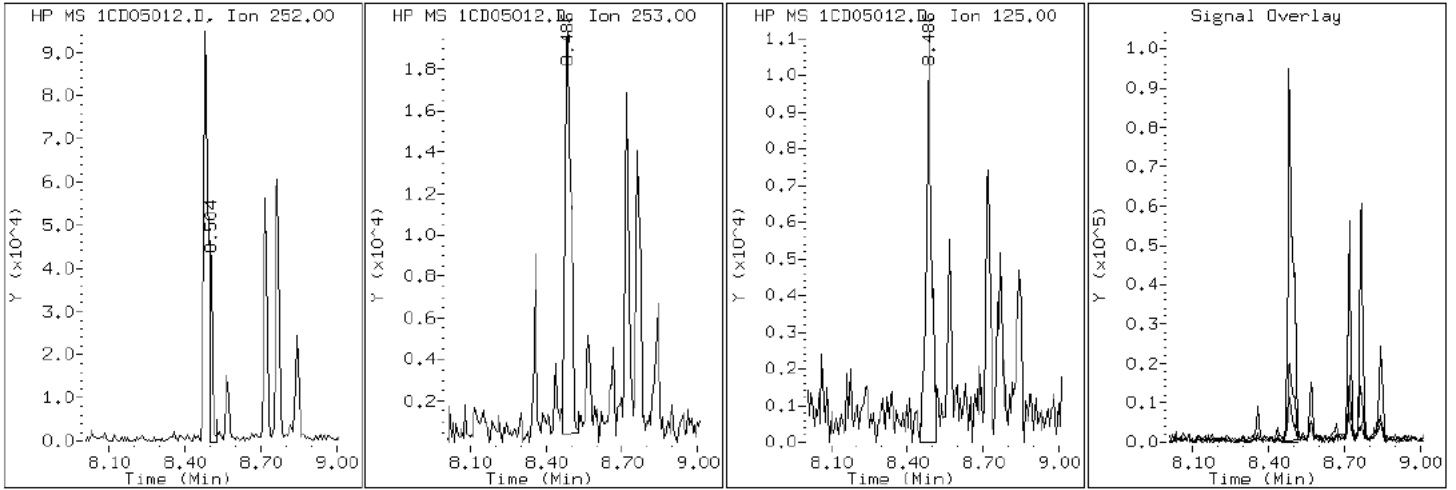
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

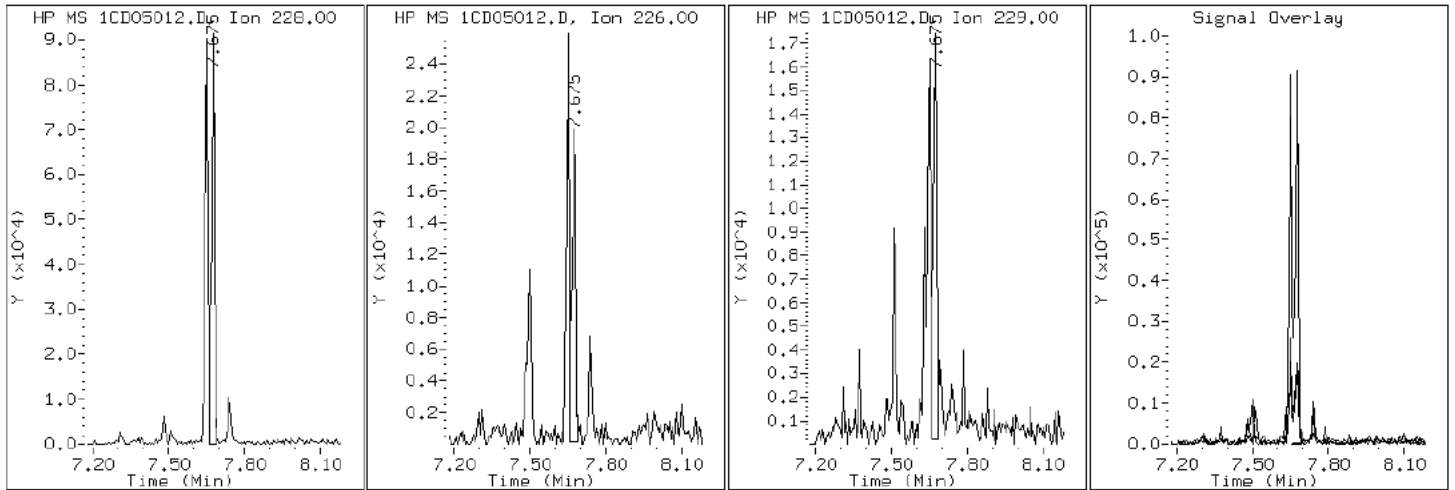
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

19 Chrysene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

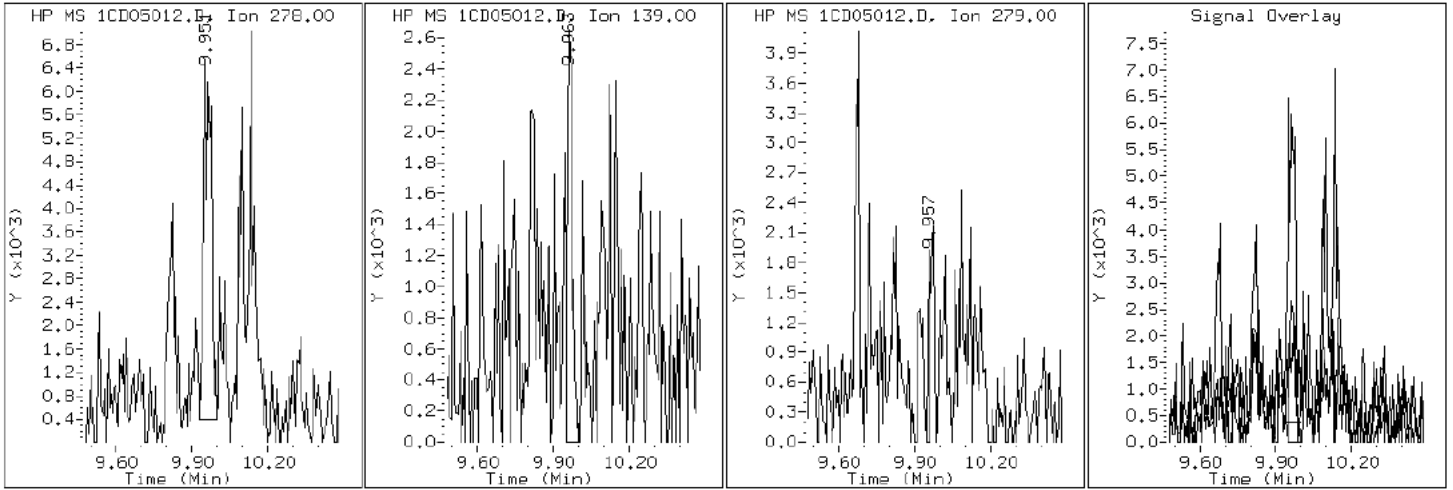
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

25 Dibenzo (a,h)anthracene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

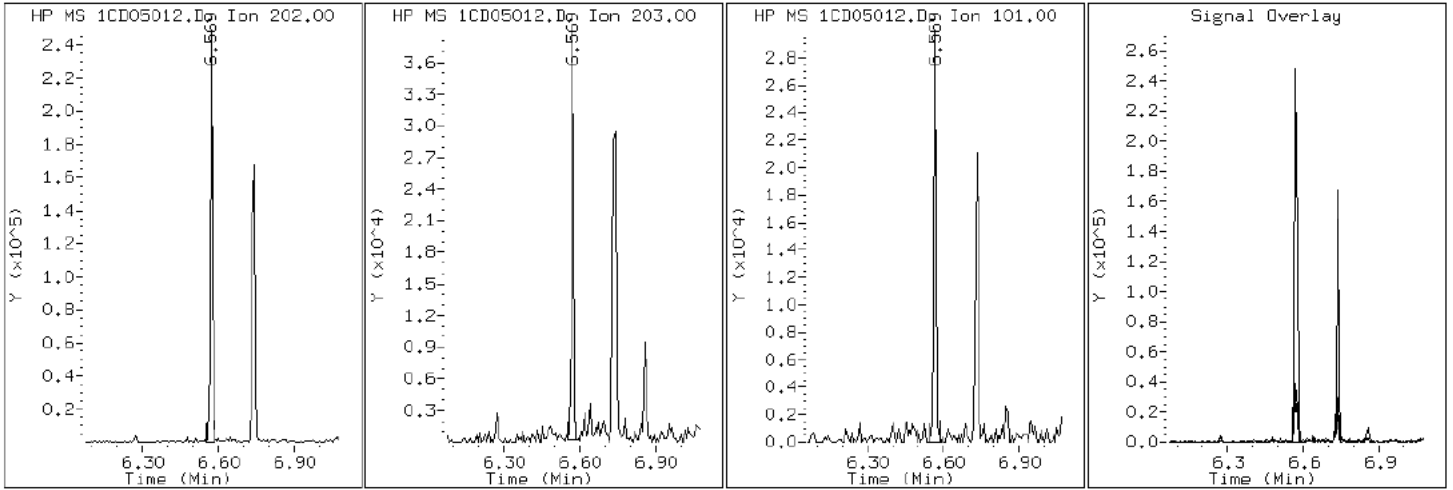
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

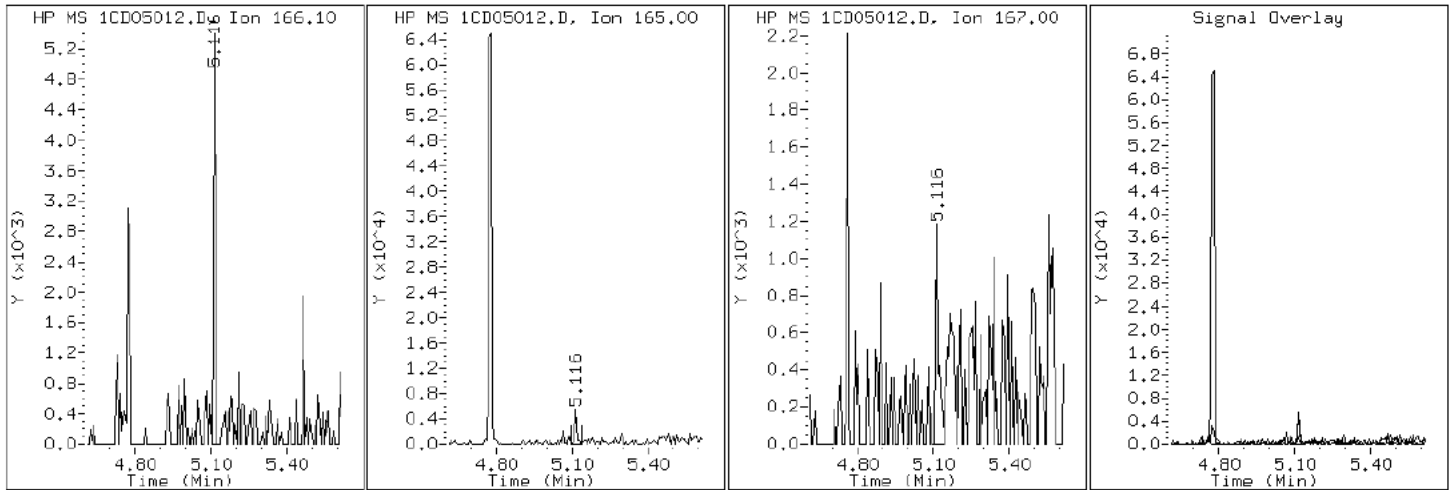
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

9 Fluorene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

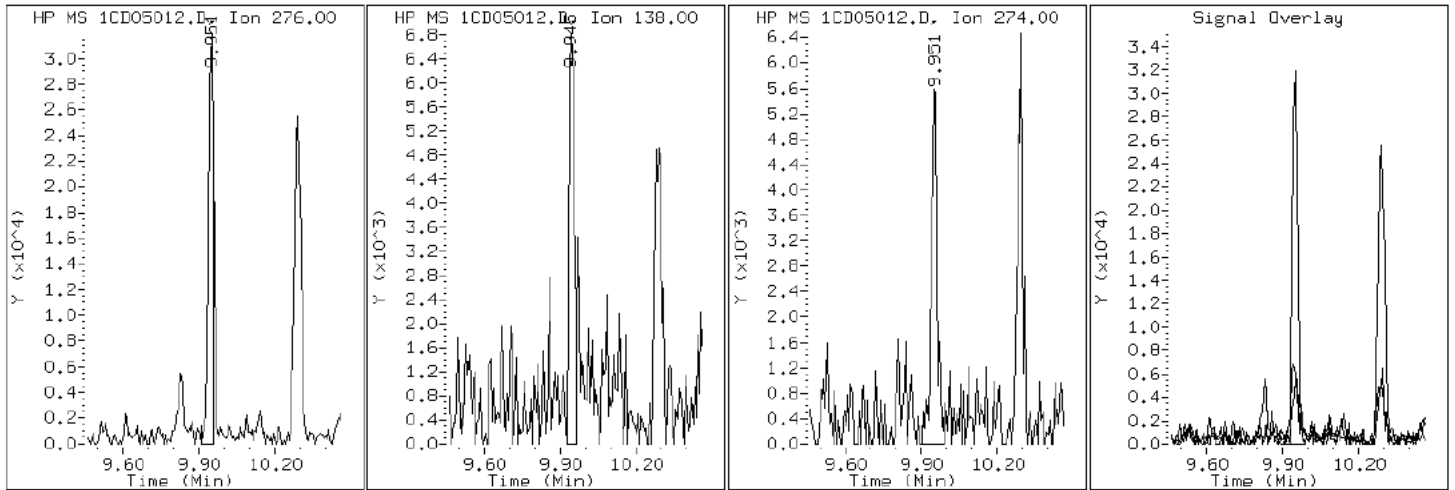
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

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



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

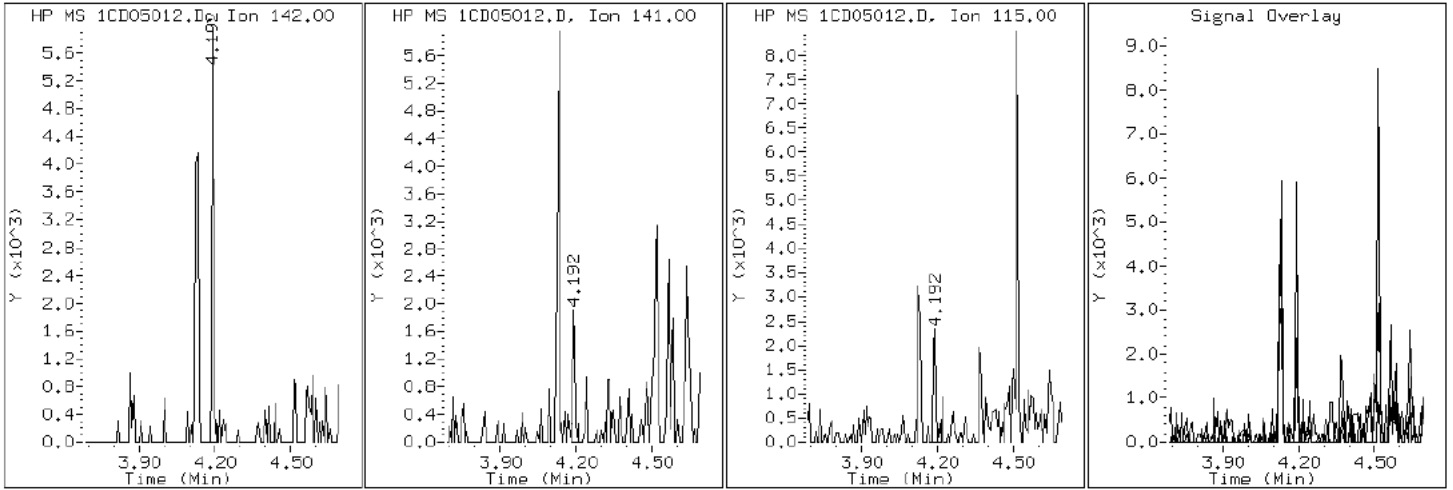
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

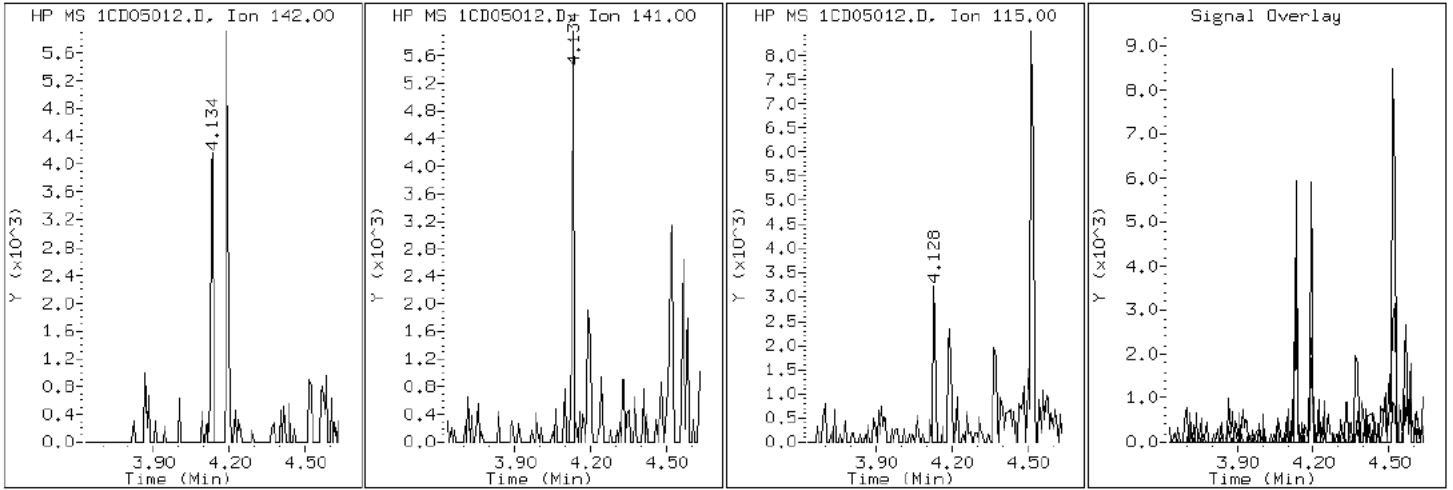
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

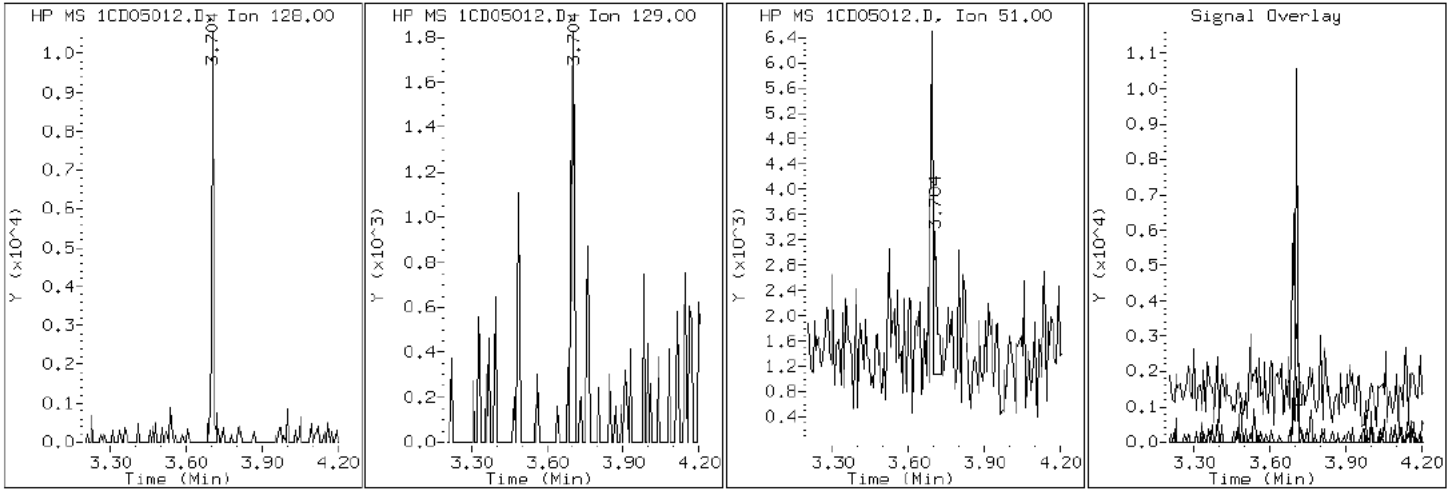
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

2 Naphthalene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

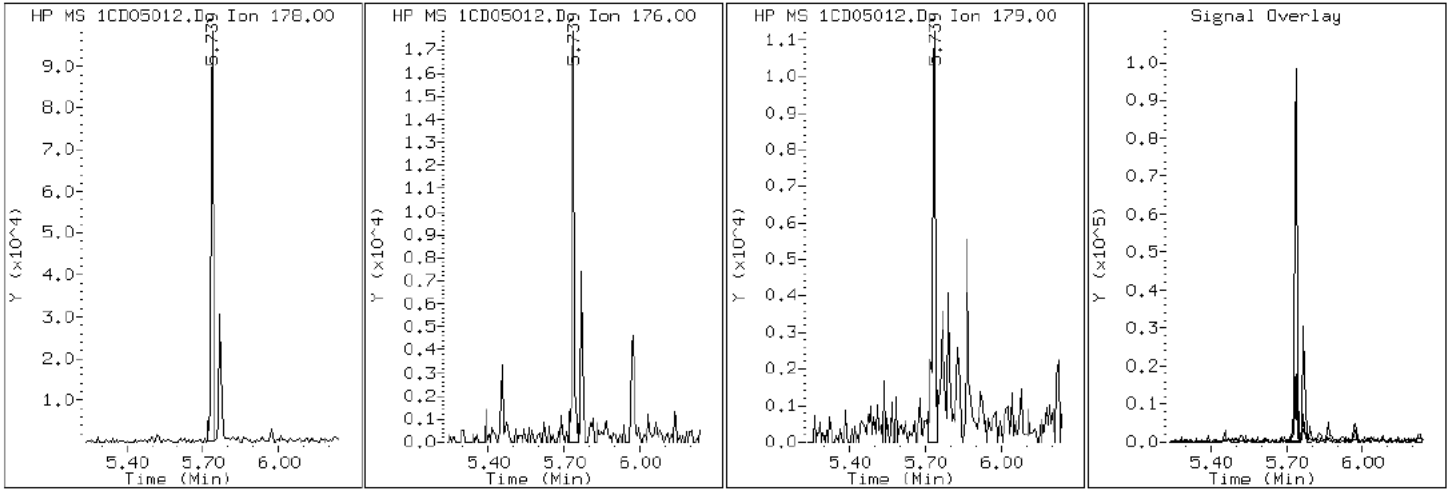
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05012.D

Date: 05-APR-2013 14:44

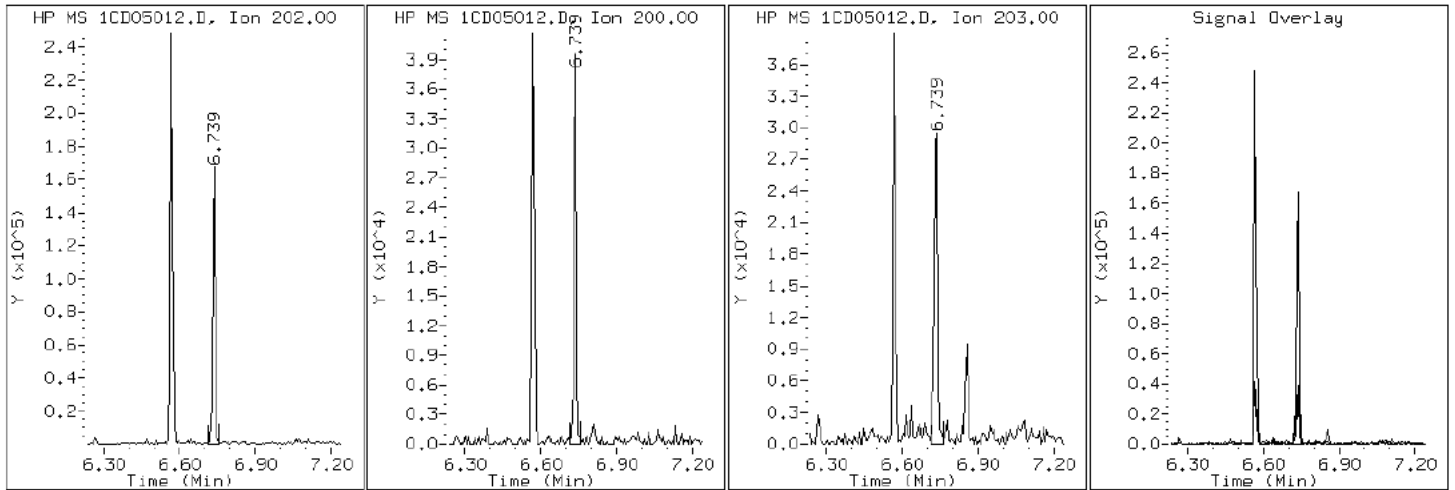
Client ID: CV0509W-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-33-a

Operator: SCC

16 Pyrene

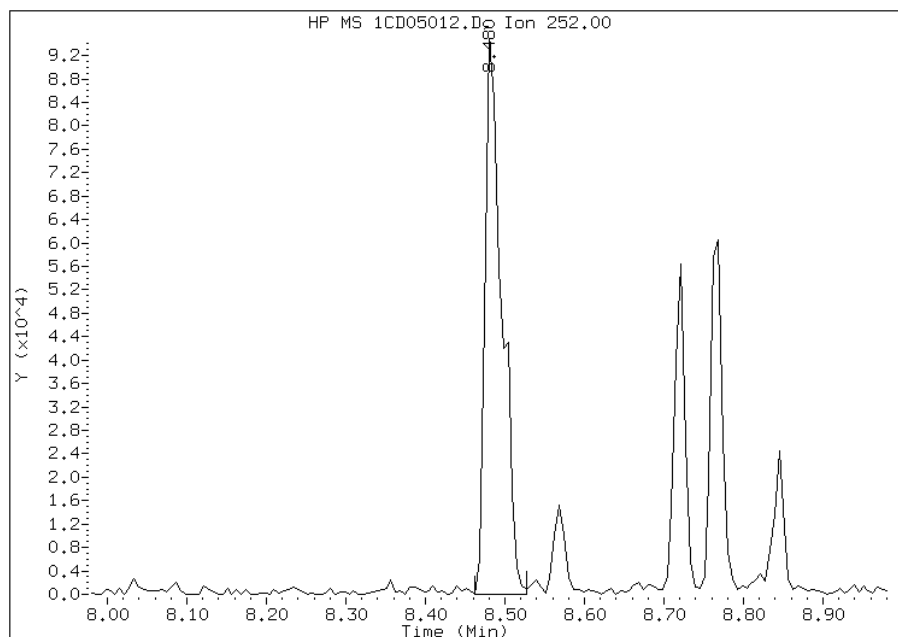


Manual Integration Report

Data File: 1CD05012.D
Inj. Date and Time: 05-APR-2013 14:44
Instrument ID: BSMC5973.i
Client ID: CV0509W-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

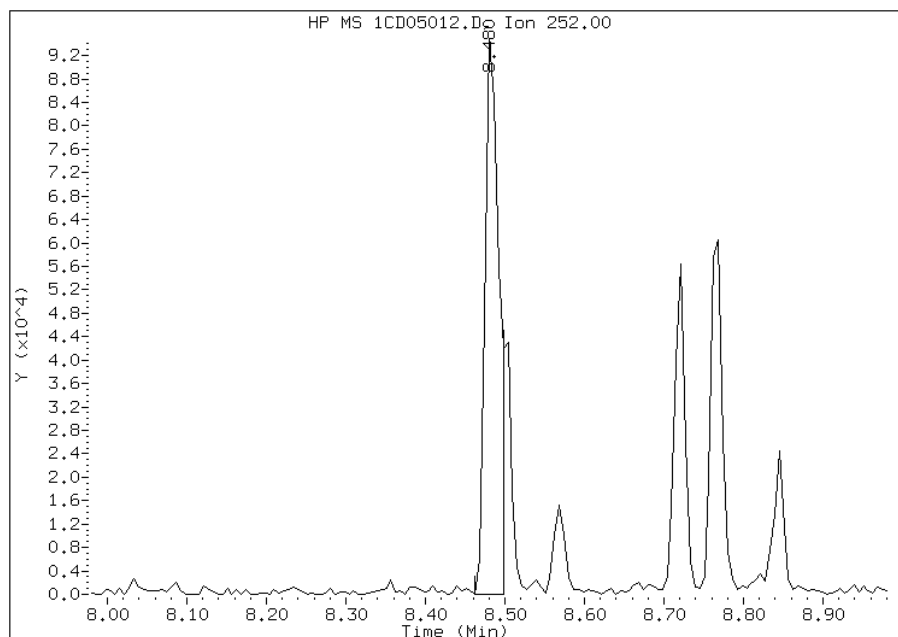
Processing Integration Results

RT: 8.48
Response: 140125
Amount: 6
Conc: 462



Manual Integration Results

RT: 8.48
Response: 116435
Amount: 5
Conc: 384



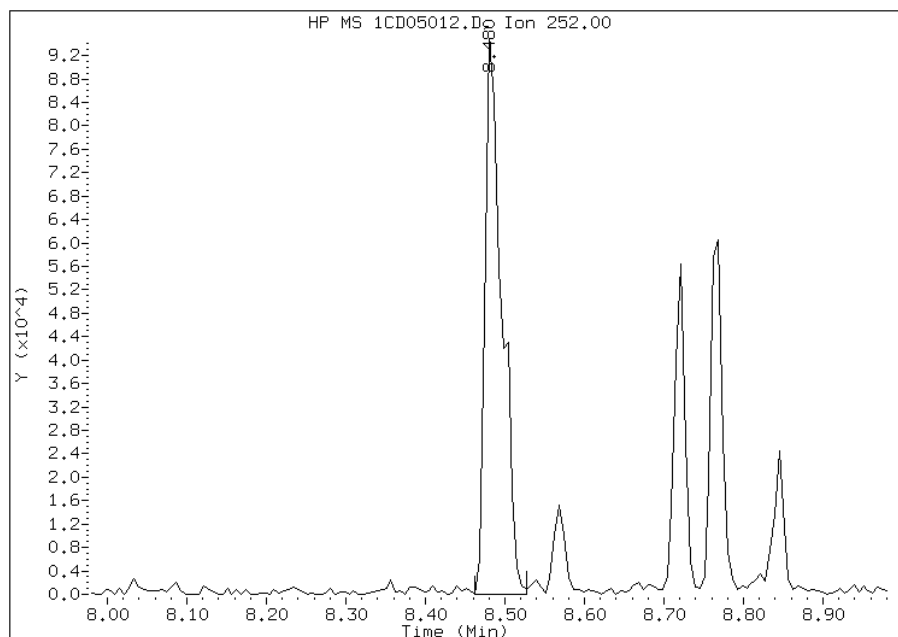
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:02
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05012.D
Inj. Date and Time: 05-APR-2013 14:44
Instrument ID: BSMC5973.i
Client ID: CV0509W-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

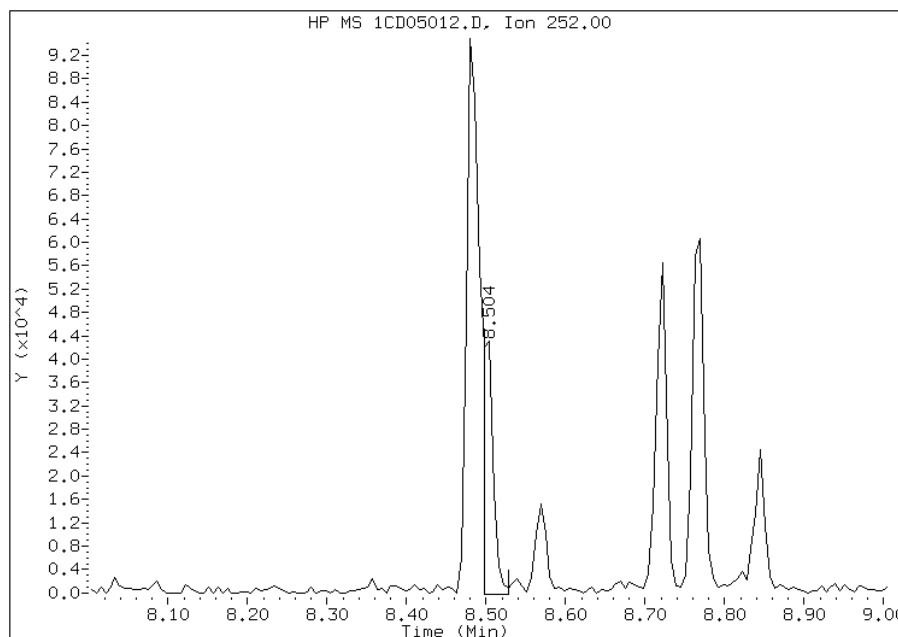
Processing Integration Results

RT: 8.48
Response: 140125
Amount: 6
Conc: 477



Manual Integration Results

RT: 8.50
Response: 39089
Amount: 2
Conc: 133



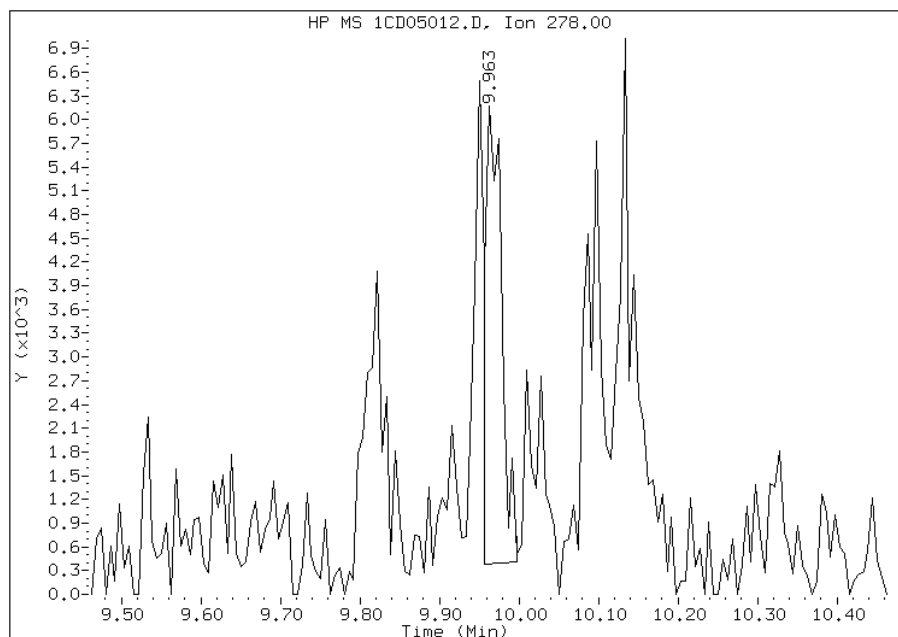
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:02
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05012.D
Inj. Date and Time: 05-APR-2013 14:44
Instrument ID: BSMC5973.i
Client ID: CV0509W-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/09/2013

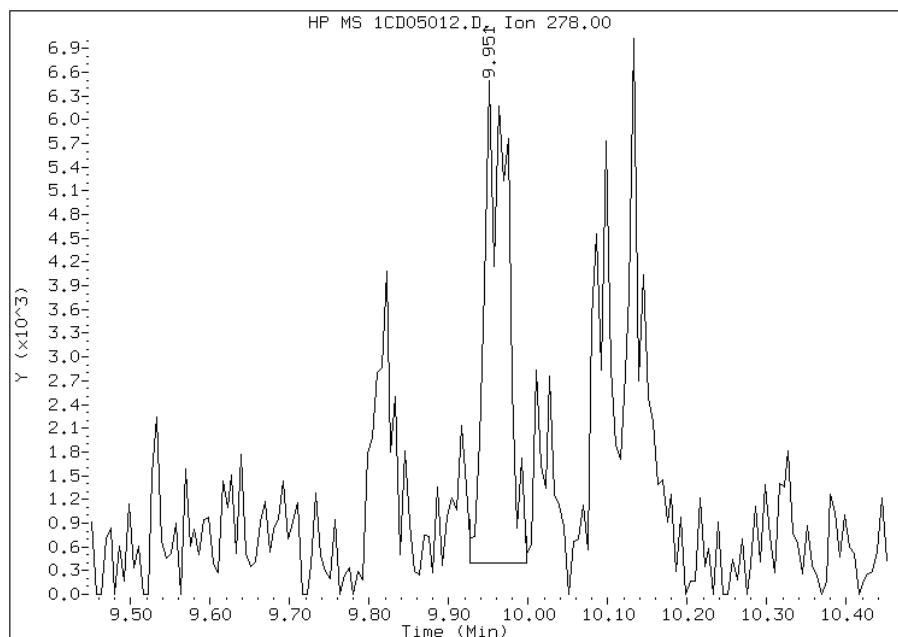
Processing Integration Results

RT: 9.96
Response: 8392
Amount: 0
Conc: 33



Manual Integration Results

RT: 9.95
Response: 12570
Amount: 1
Conc: 50



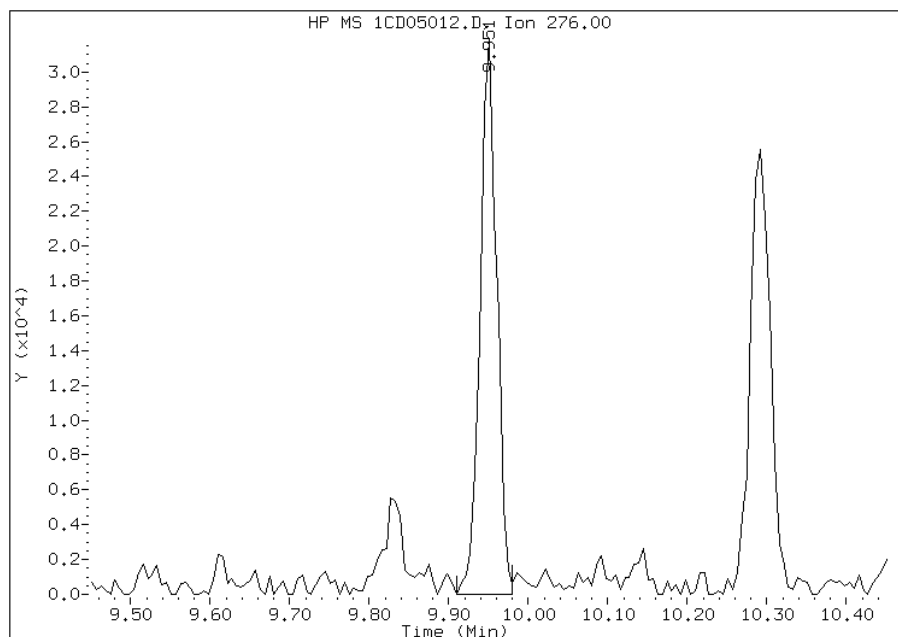
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:02
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05012.D
Inj. Date and Time: 05-APR-2013 14:44
Instrument ID: BSMC5973.i
Client ID: CV0509W-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

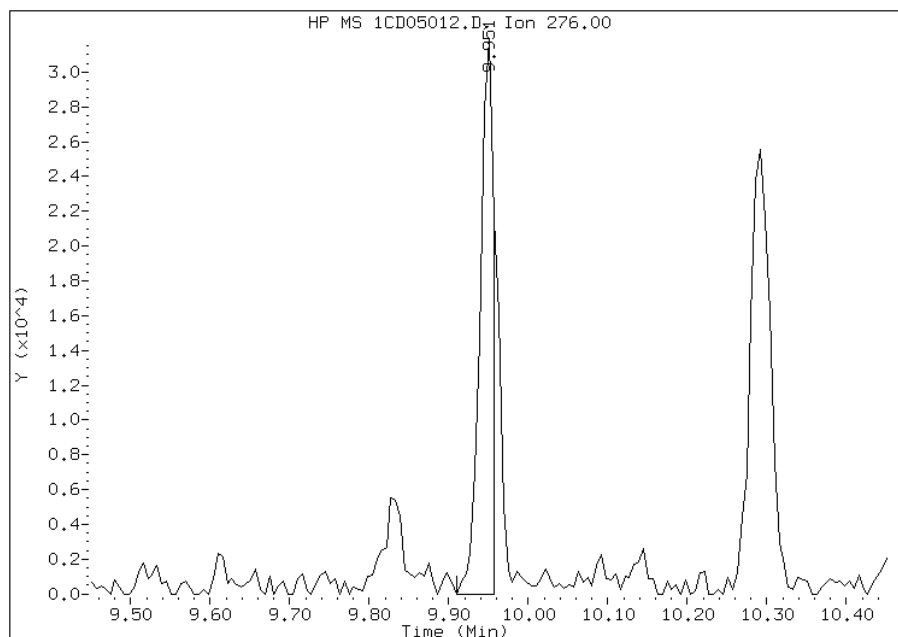
Processing Integration Results

RT: 9.95
Response: 45977
Amount: 2
Conc: 169



Manual Integration Results

RT: 9.95
Response: 37876
Amount: 2
Conc: 140



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:03
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509X-CS Lab Sample ID: 680-88767-34
 Matrix: Solid Lab File ID: 1CD05013.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:42
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.41(g) Date Analyzed: 04/05/2013 15:02
 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.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	220		140	27
208-96-8	Acenaphthylene	25	J	55	6.9
120-12-7	Anthracene	500		12	5.8
56-55-3	Benzo[a]anthracene	1800		11	5.3
50-32-8	Benzo[a]pyrene	1400		14	7.1
205-99-2	Benzo[b]fluoranthene	2000		17	8.4
191-24-2	Benzo[g,h,i]perylene	810		27	6.0
207-08-9	Benzo[k]fluoranthene	1100		11	4.9
218-01-9	Chrysene	1700		12	6.2
53-70-3	Dibenz(a,h)anthracene	270		27	5.6
86-73-7	Fluorene	190		27	5.6
193-39-5	Indeno[1,2,3-cd]pyrene	780		27	9.7
90-12-0	1-Methylnaphthalene	52	J	55	6.0
91-57-6	2-Methylnaphthalene	110		55	9.7
91-20-3	Naphthalene	160		55	6.0
85-01-8	Phenanthrene	2400		11	5.3
129-00-0	Pyrene	3300		27	5.1

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\1C040513.b\1CD05013.D
 Lab Smp Id: 680-88767-A-34-A Client Smp ID: CV0509X-CS
 Inj Date : 05-APR-2013 15:02
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-34-a
 Misc Info : 680-88767-A-34-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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	15.410	Weight Extracted
M	28.954	% 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	3.692	3.692	(1.000)	535288	40.0000	
* 6 Acenaphthene-d10	164	4.780	4.780	(1.000)	403047	40.0000	
* 10 Phenanthrene-d10	188	5.721	5.721	(1.000)	798373	40.0000	
\$ 14 o-Terphenyl	230	5.974	5.974	(1.044)	77748	6.69160	611.2041
* 18 Chrysene-d12	240	7.662	7.662	(1.000)	969215	40.0000	
* 23 Perylene-d12	264	8.827	8.827	(1.000)	941953	40.0000	
2 Naphthalene	128	3.704	3.704	(1.003)	23416	1.70314	155.5627
3 2-Methylnaphthalene	142	4.133	4.133	(1.119)	11400	1.21808	111.2581
4 1-Methylnaphthalene	142	4.192	4.192	(1.135)	4826	0.57307	52.3438
5 Acenaphthylene	152	4.692	4.692	(0.982)	4591	0.27522	25.1384
7 Acenaphthene	154	4.798	4.798	(1.004)	25199	2.43898	222.7743
9 Fluorene	166	5.115	5.116	(1.070)	28485	2.06814	188.9016
11 Phenanthrene	178	5.739	5.739	(1.003)	604807	26.0106	2375.7822
12 Anthracene	178	5.774	5.774	(1.009)	130143	5.52131	504.3109

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.880	5.880	(1.028)	97466	4.82639	440.8380
15 Fluoranthene	202	6.574	6.574	(1.149)	1286503	50.0989	4575.9825(A)
16 Pyrene	202	6.739	6.739	(0.879)	968720	36.0816	3295.6616
17 Benzo(a)anthracene	228	7.651	7.651	(0.998)	559271	20.0506	1831.4031
19 Chrysene	228	7.680	7.680	(1.002)	521337	18.8764	1724.1556
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.961)	592031	22.2319	2030.6389(M)
21 Benzo(k)fluoranthene	252	8.498	8.509	(0.963)	298909	11.6055	1060.0342(M)
22 Benzo(a)pyrene	252	8.768	8.774	(0.993)	372600	14.8616	1357.4426
24 Indeno(1,2,3-cd)pyrene	276	9.956	9.962	(1.128)	202290	8.49493	775.9186(M)
25 Dibenzo(a,h)anthracene	278	9.968	9.980	(1.129)	65707	2.98701	272.8301
26 Benzo(g,h,i)perylene	276	10.297	10.303	(1.167)	214375	8.82055	805.6605

QC Flag Legend

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

Data File: 1CD05013.D

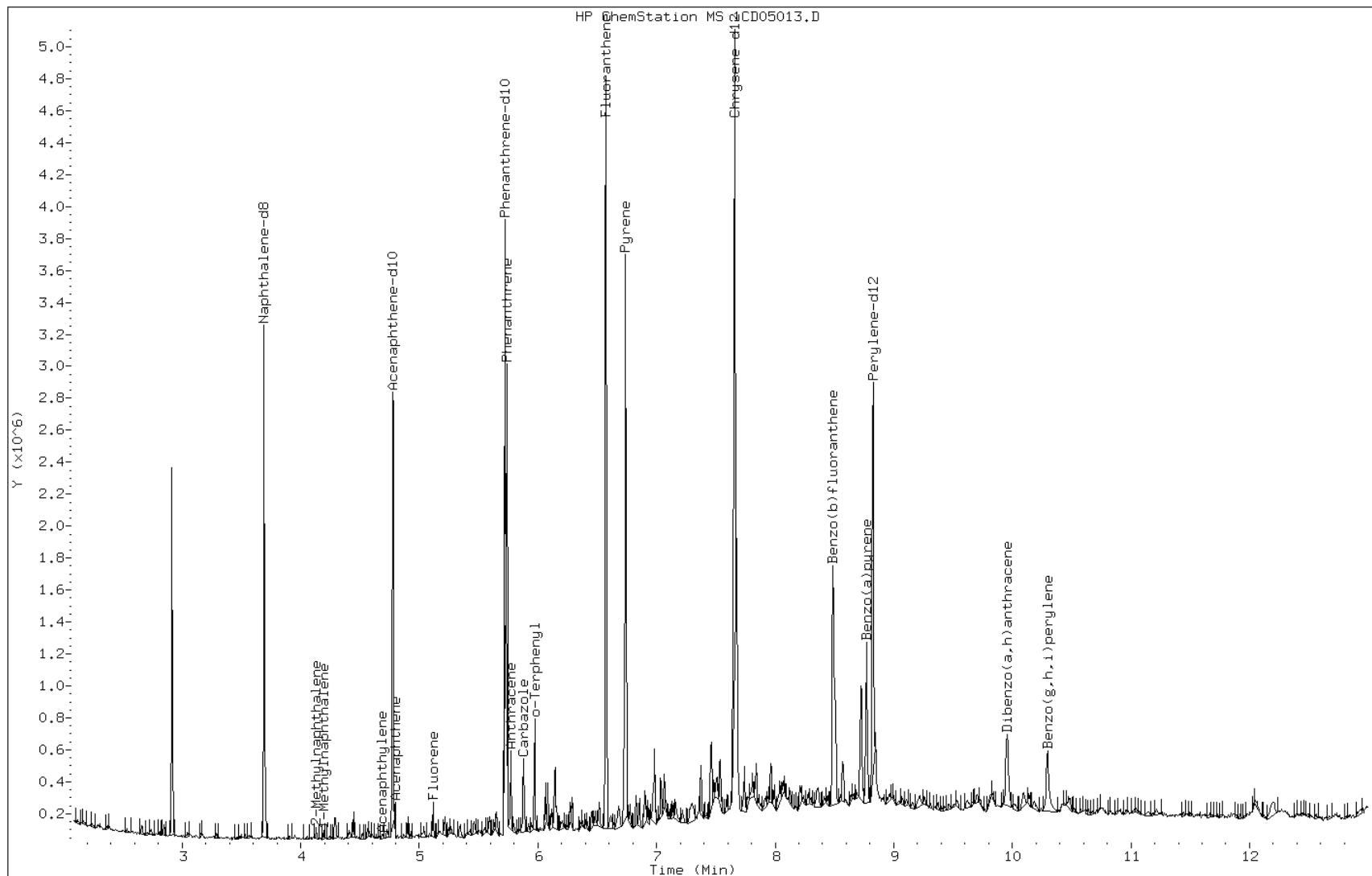
Date: 05-APR-2013 15:02

Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

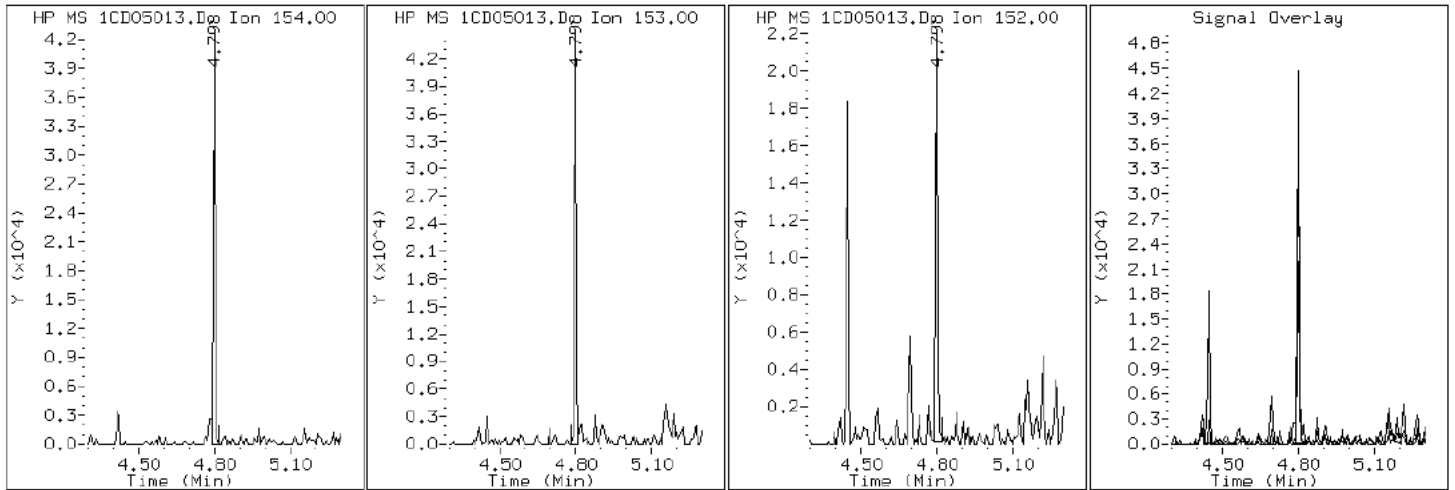
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

7 Acenaphthene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

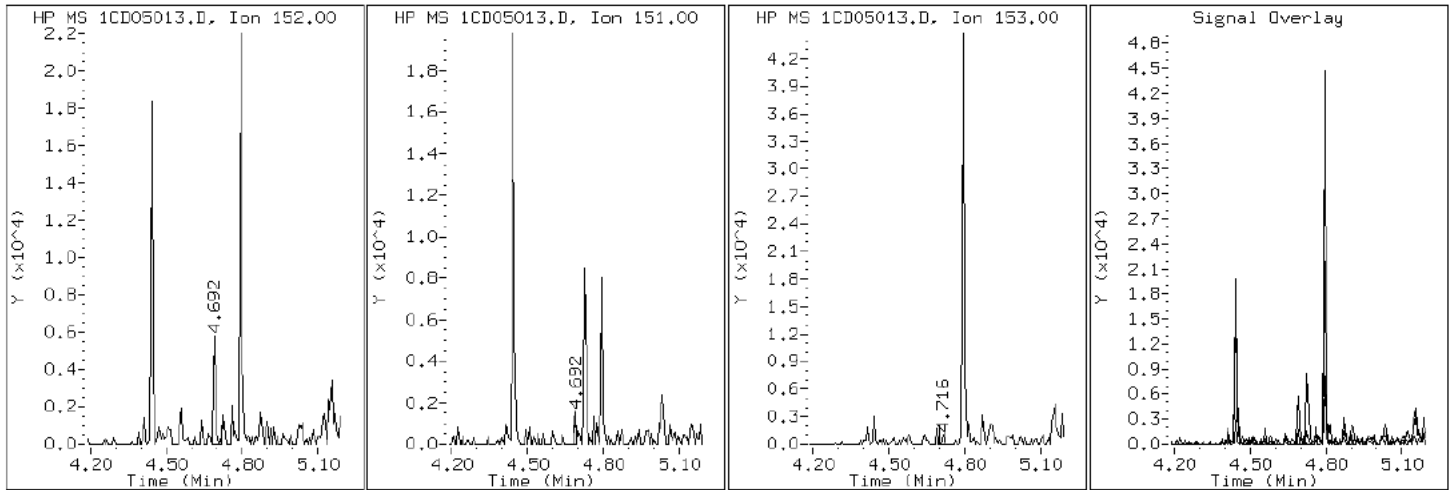
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

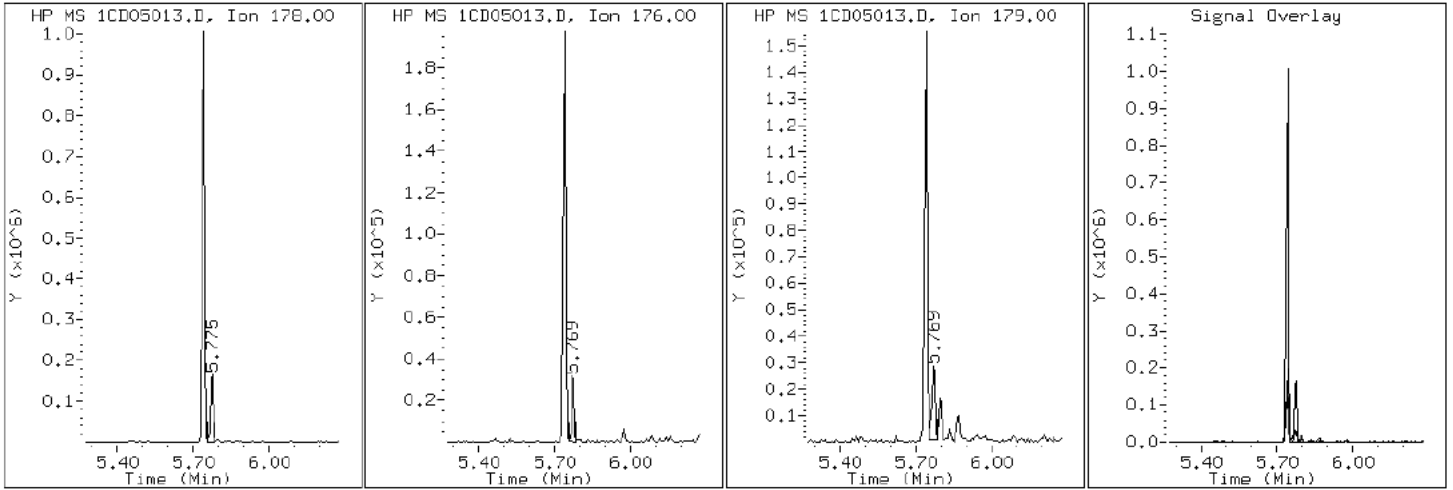
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

12 Anthracene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

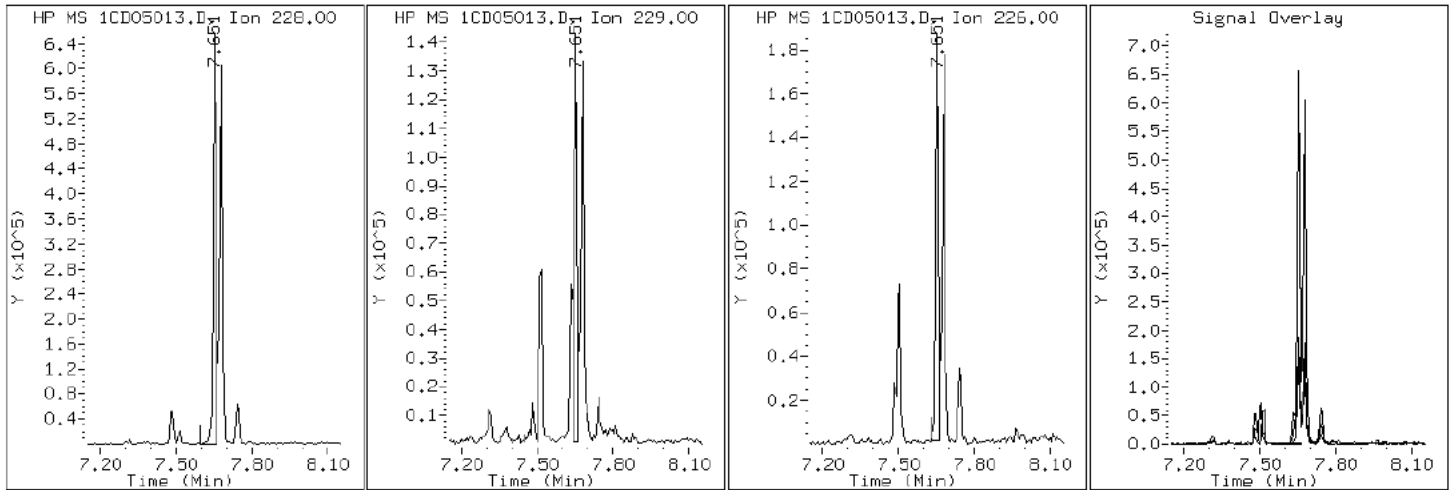
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

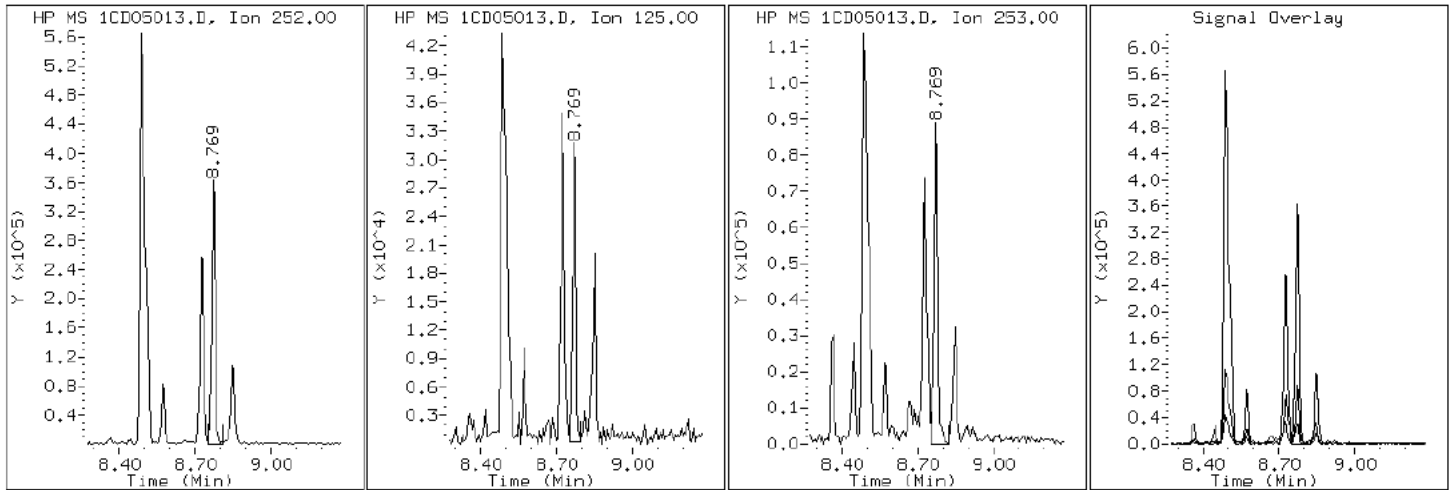
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

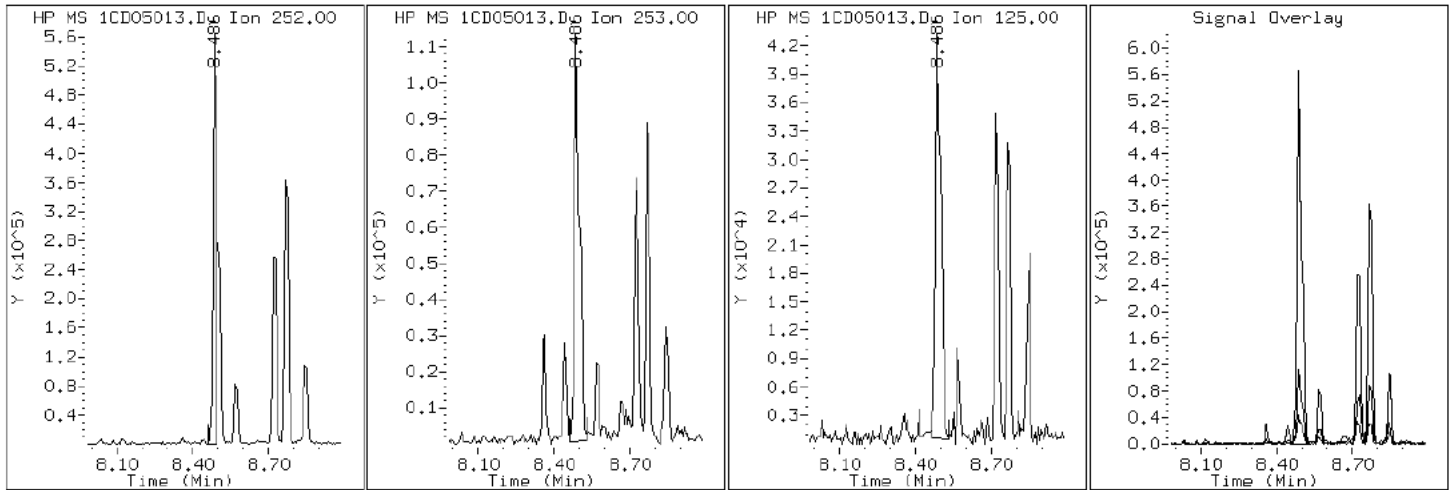
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

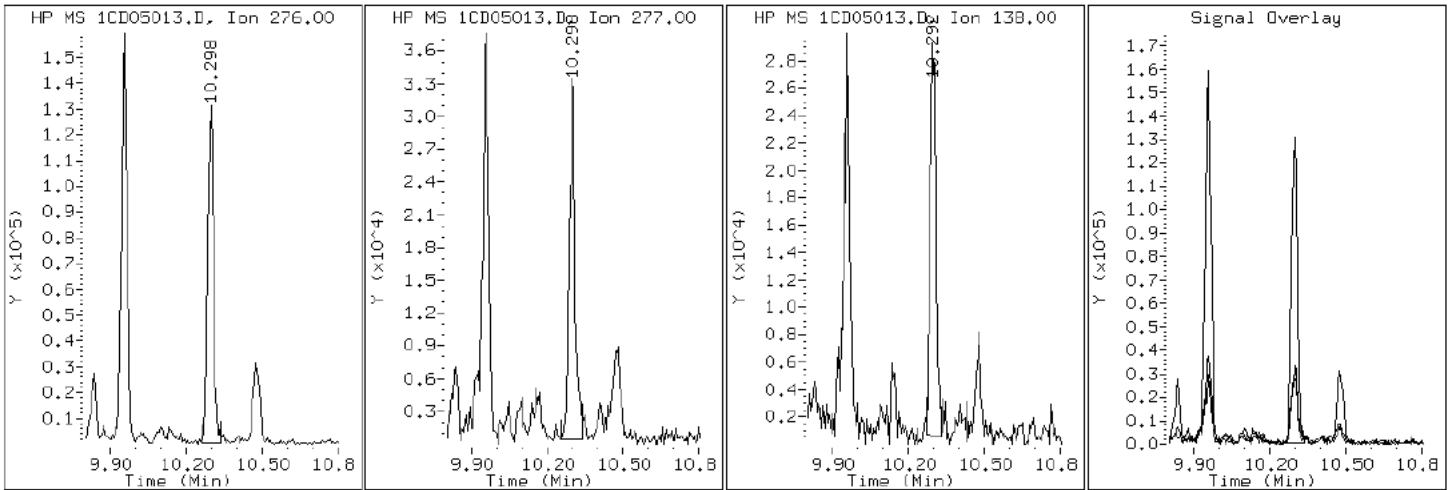
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

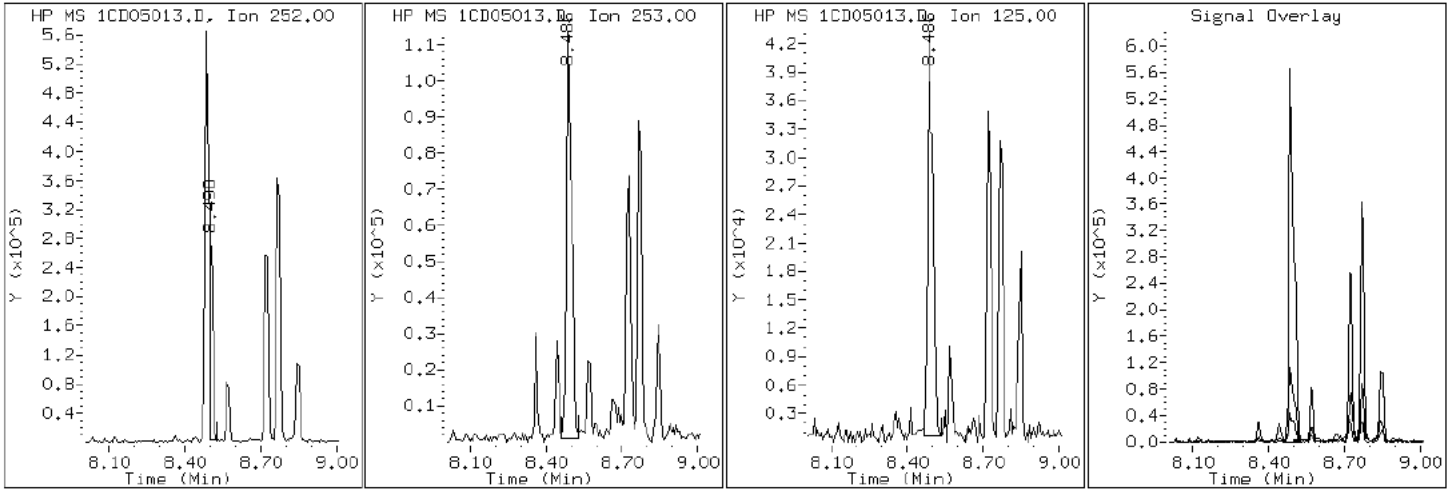
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

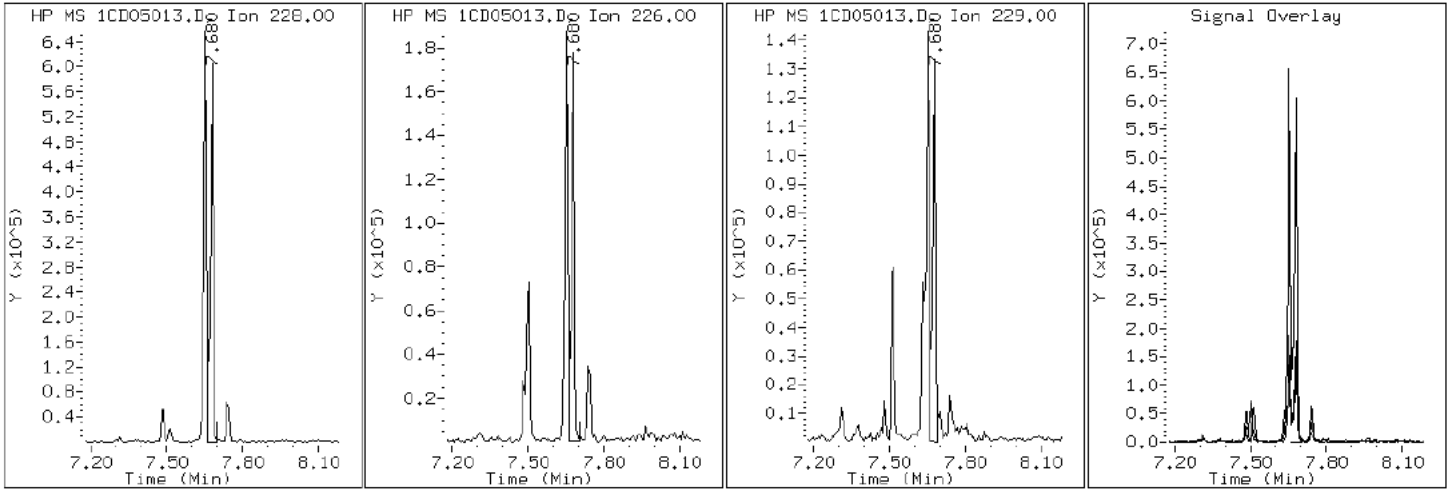
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

19 Chrysene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

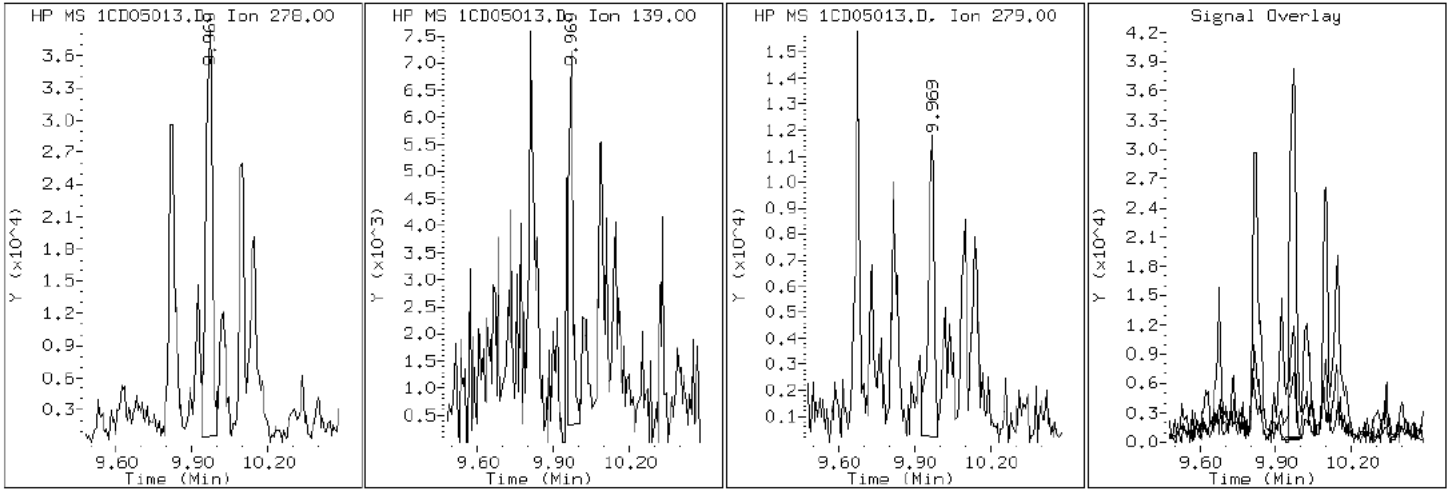
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

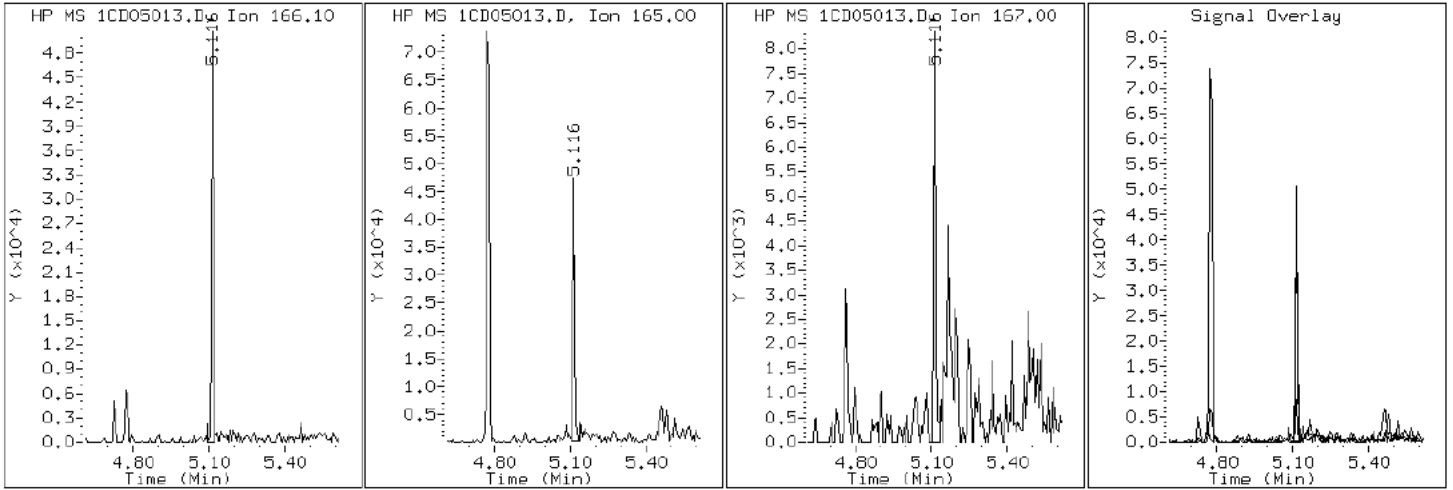
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

9 Fluorene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

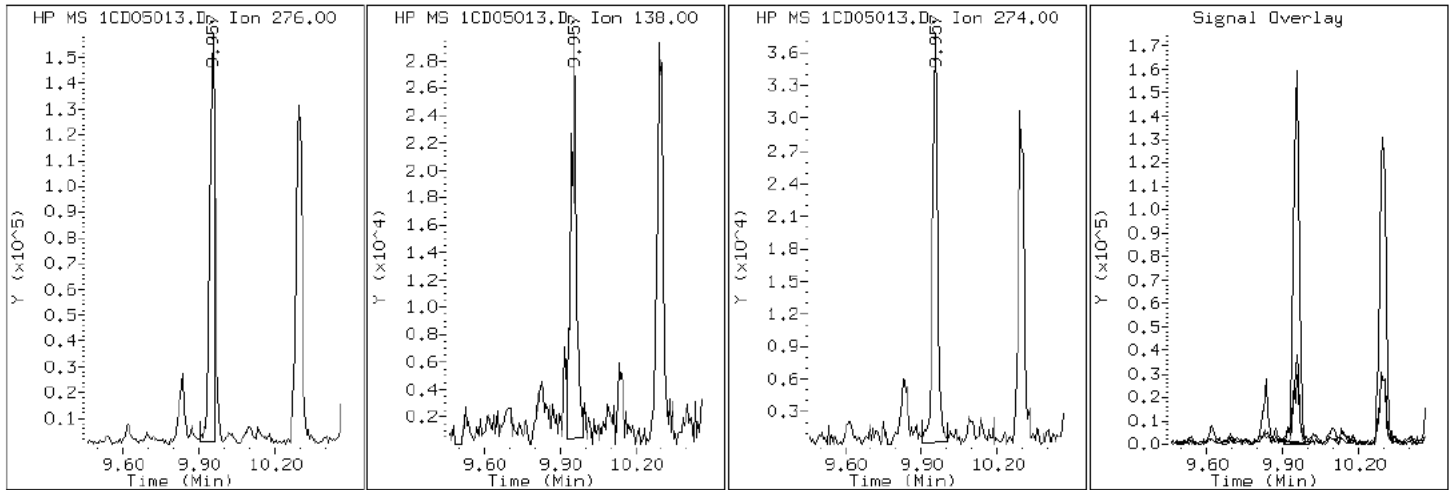
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

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



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

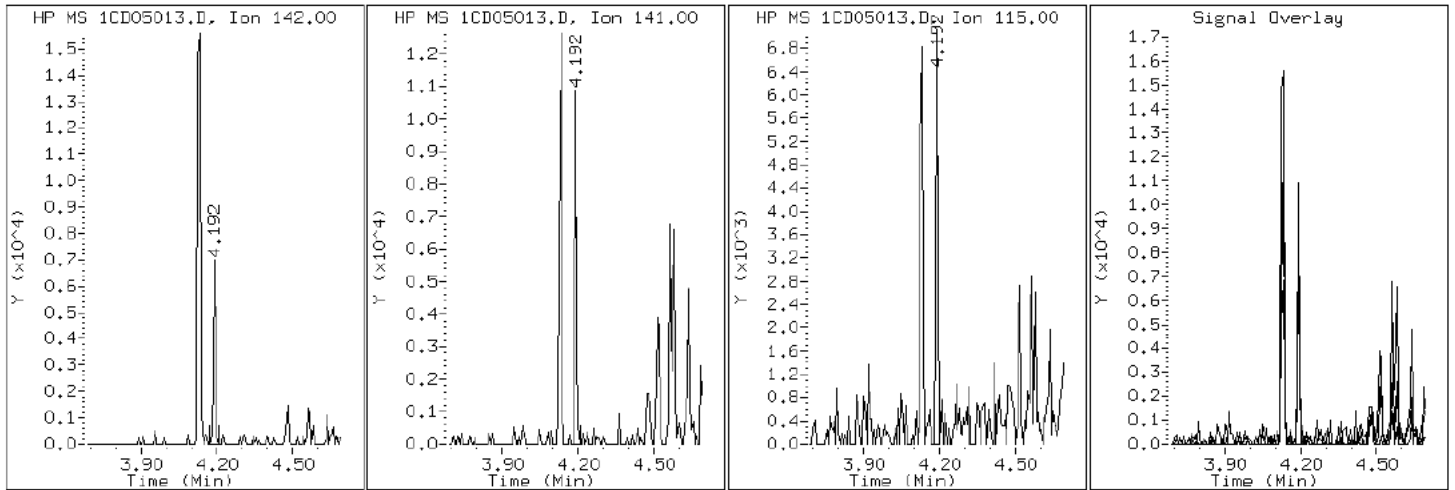
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

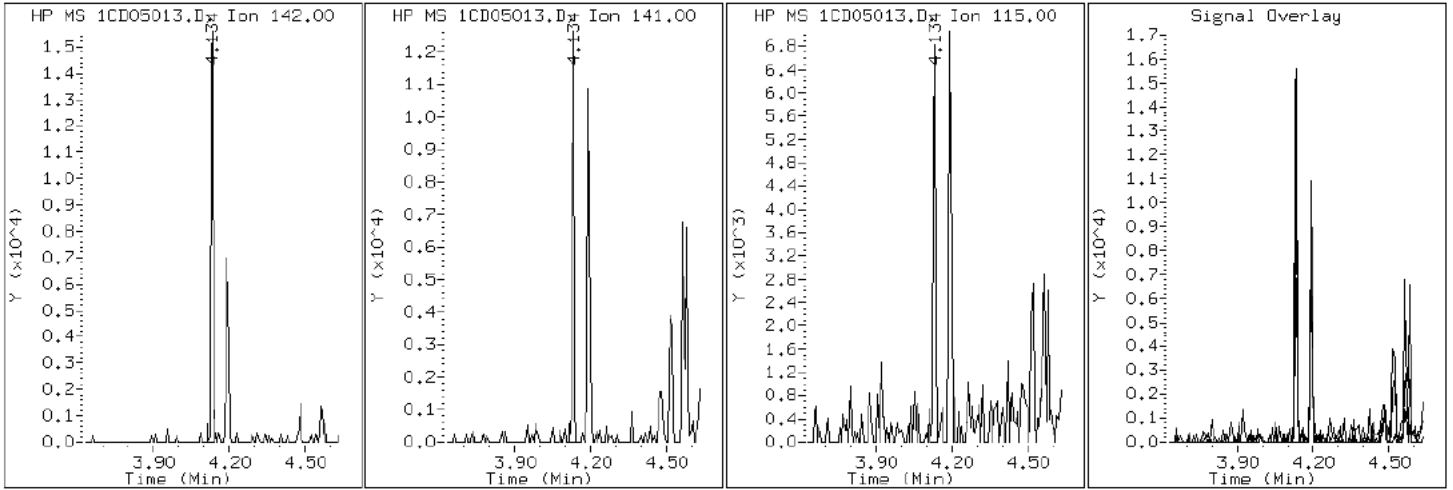
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

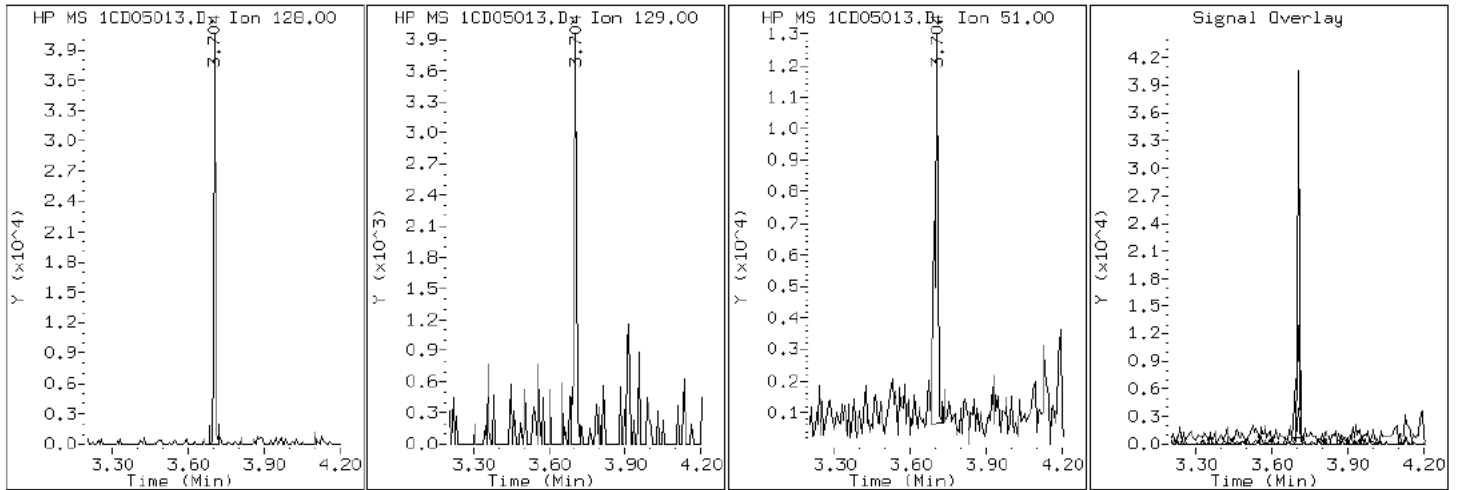
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

2 Naphthalene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

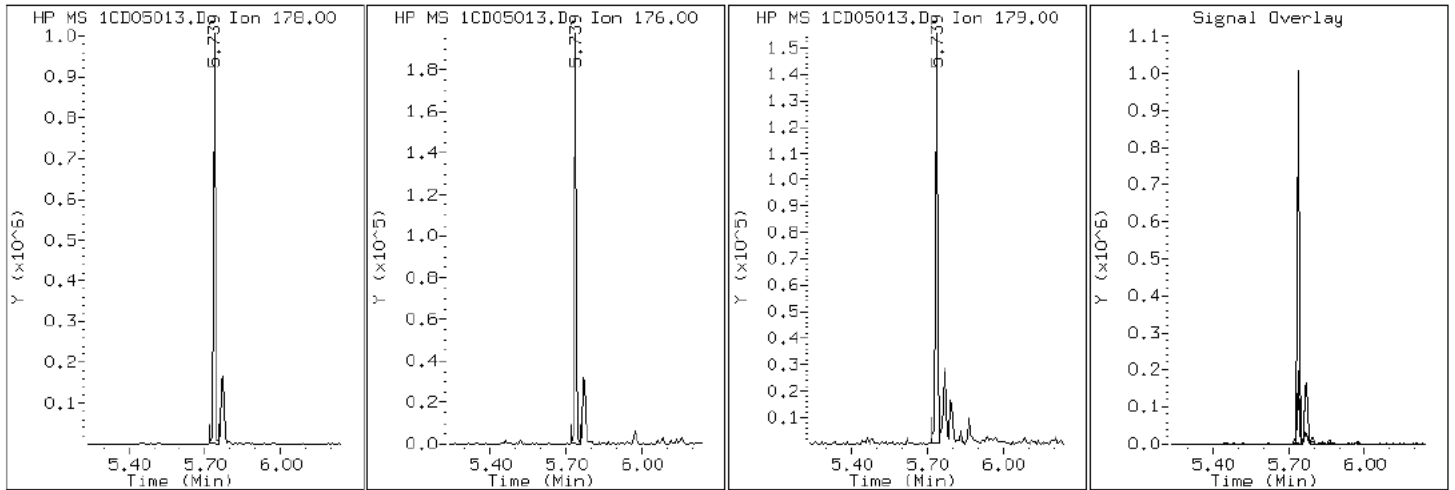
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05013.D

Date: 05-APR-2013 15:02

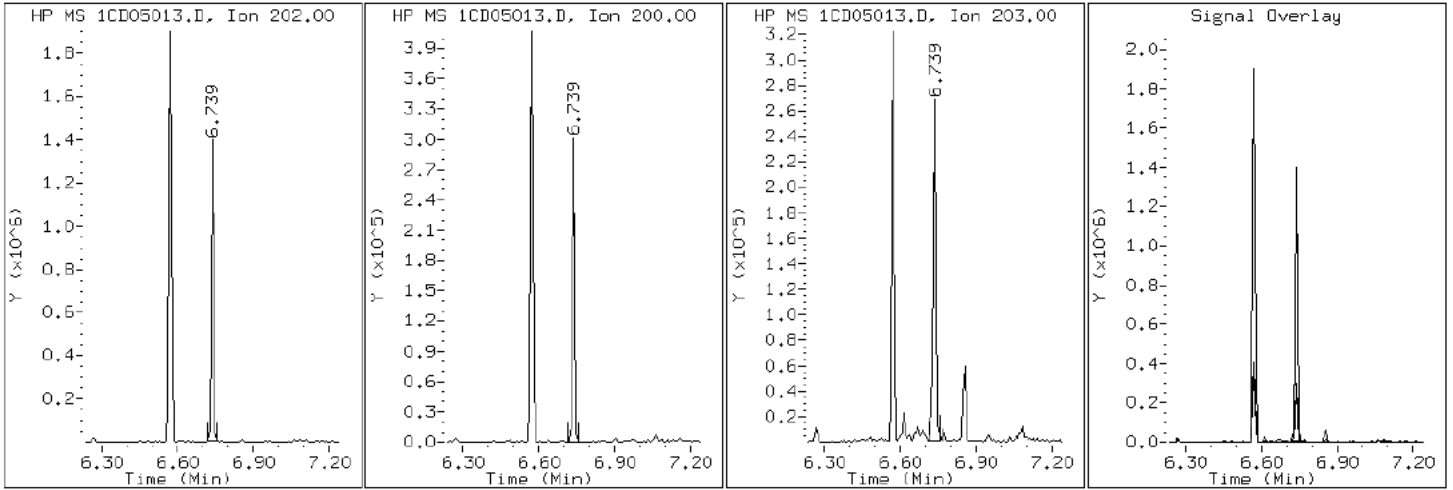
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-34-a

Operator: SCC

16 Pyrene

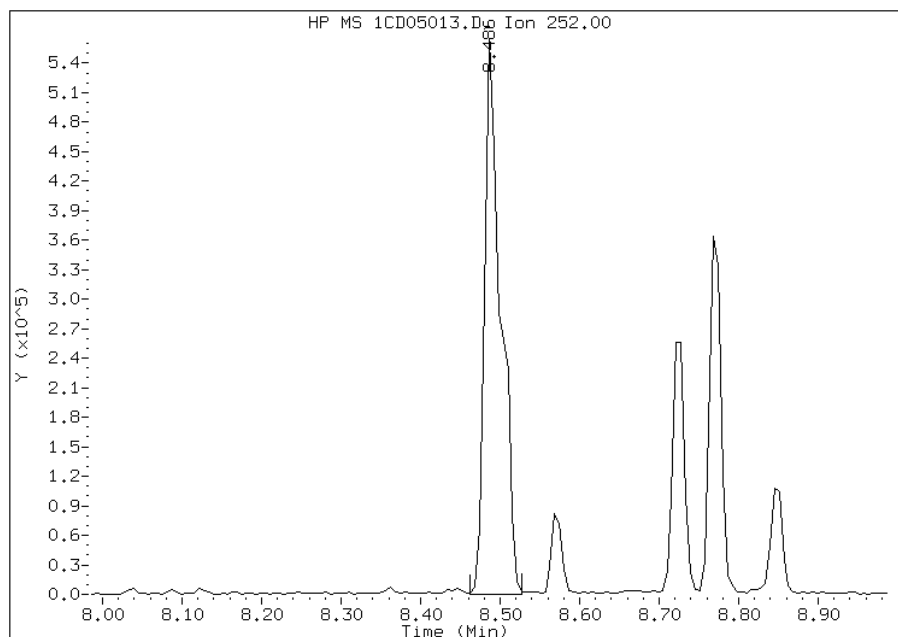


Manual Integration Report

Data File: 1CD05013.D
Inj. Date and Time: 05-APR-2013 15:02
Instrument ID: BSMC5973.i
Client ID: CV0509X-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

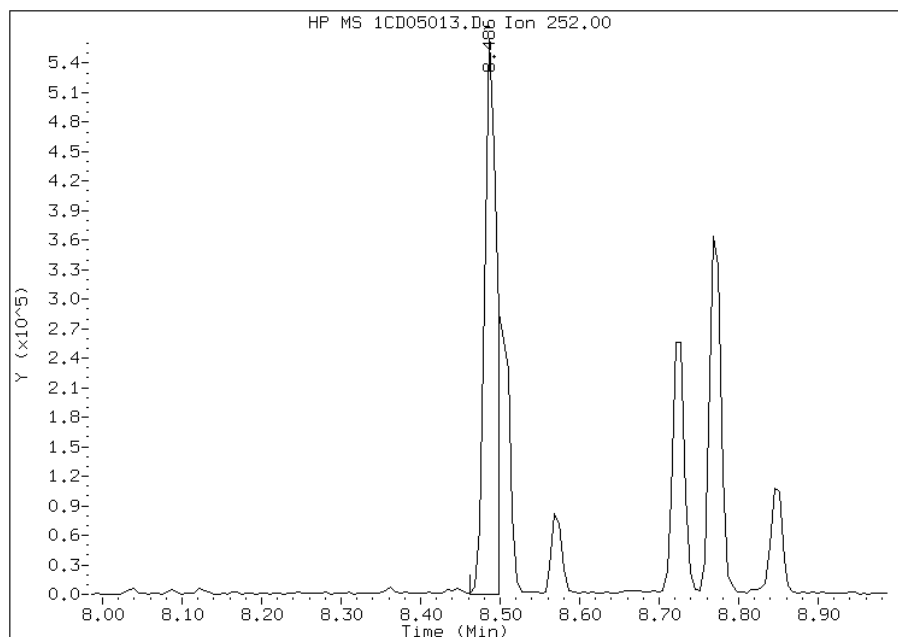
Processing Integration Results

RT: 8.49
Response: 795934
Amount: 30
Conc: 2730



Manual Integration Results

RT: 8.49
Response: 592031
Amount: 22
Conc: 2031



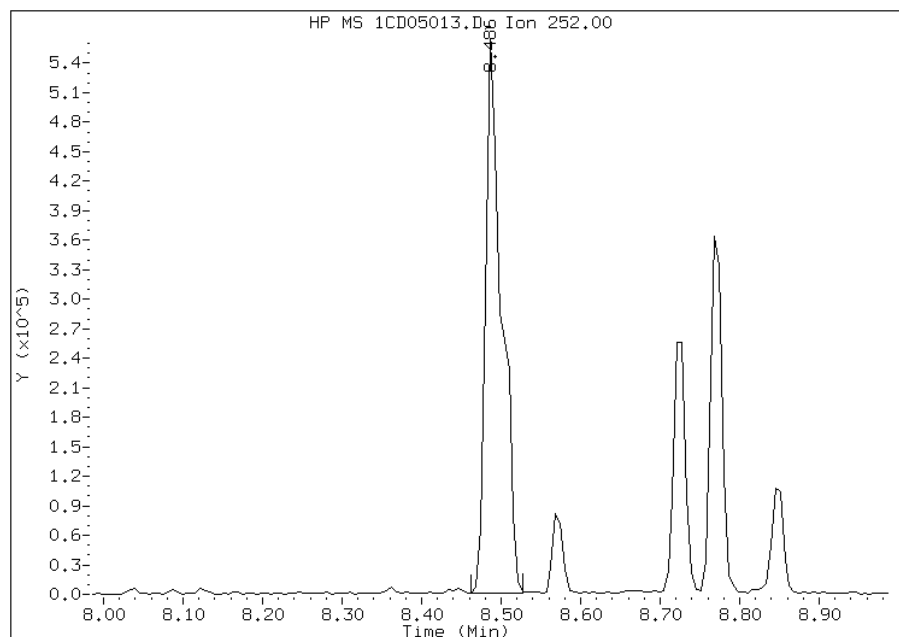
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:04
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05013.D
Inj. Date and Time: 05-APR-2013 15:02
Instrument ID: BSMC5973.i
Client ID: CV0509X-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

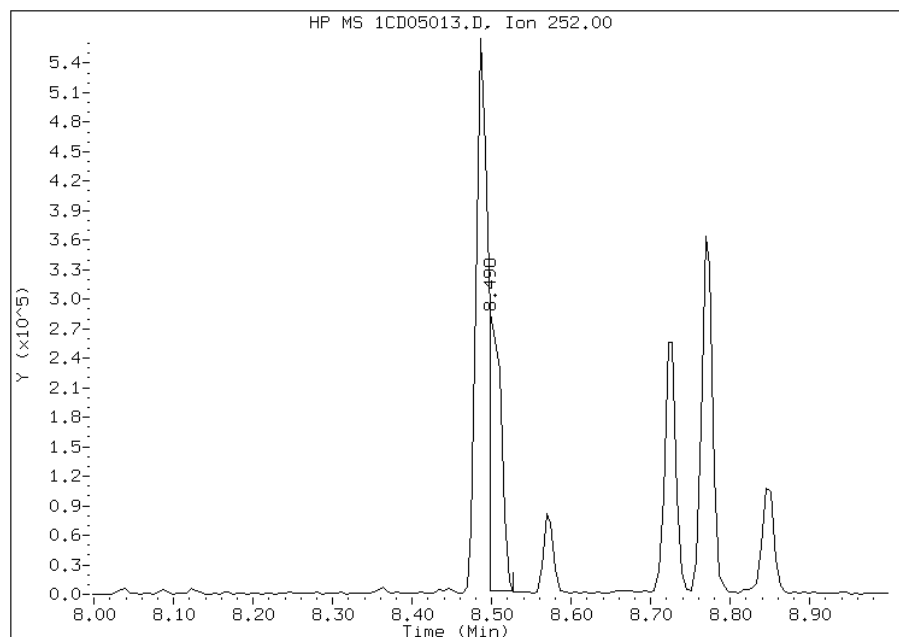
Processing Integration Results

RT: 8.49
Response: 794350
Amount: 31
Conc: 2817



Manual Integration Results

RT: 8.50
Response: 298909
Amount: 12
Conc: 1060



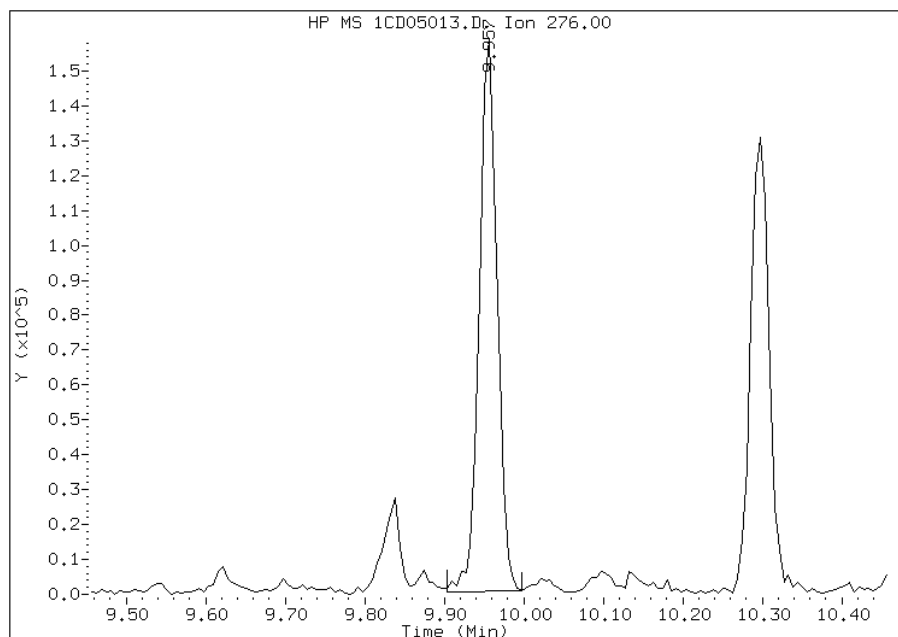
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05013.D
Inj. Date and Time: 05-APR-2013 15:02
Instrument ID: BSMC5973.i
Client ID: CV0509X-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

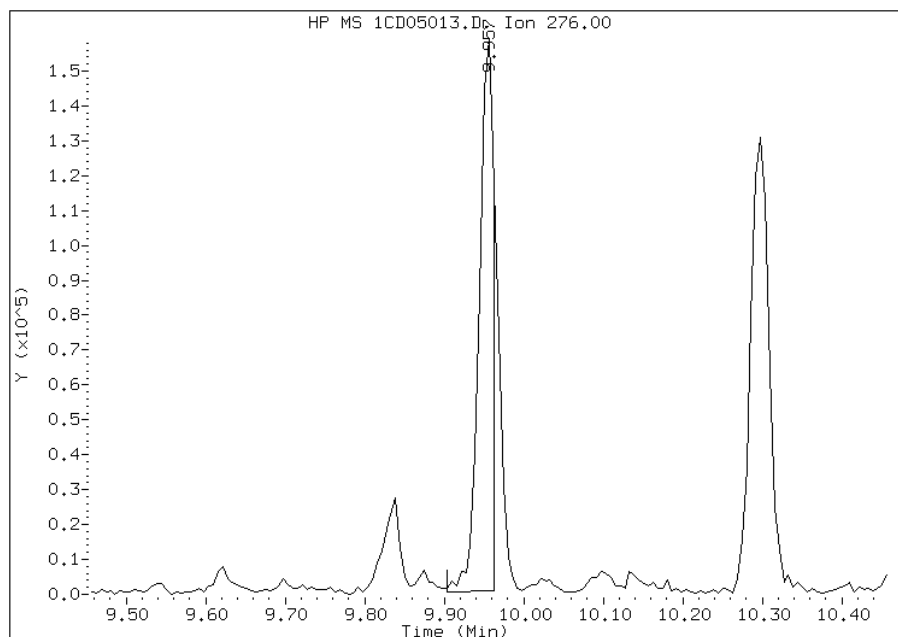
Processing Integration Results

RT: 9.96
Response: 244225
Amount: 10
Conc: 937



Manual Integration Results

RT: 9.96
Response: 202290
Amount: 8
Conc: 776



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:05
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509X-CS DL Lab Sample ID: 680-88767-34 DL
 Matrix: Solid Lab File ID: 1CD09007.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 13:42
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.41(g) Date Analyzed: 04/09/2013 13:05
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 29.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136263 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
206-44-0	Fluoranthene	5300		110	22

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040913.b\1CD09007.D
 Lab Smp Id: 680-88767-A-34-A Client Smp ID: CV0509X-CS
 Inj Date : 09-APR-2013 13:05
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-A-34-A
 Misc Info : 680-88767-A-34-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040913.b\A-BFASTPAHi-m.m
 Meth Date : 09-Apr-2013 12:07 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 7
 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	15.410	Weight Extracted
M	28.954	% 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		3.686	3.686	(1.000)	341486	40.0000		
* 6 Acenaphthene-d10	164		4.774	4.774	(1.000)	248433	40.0000		
* 10 Phenanthrene-d10	188		5.716	5.716	(1.000)	486115	40.0000		
\$ 14 o-Terphenyl	230		5.968	5.968	(1.044)	13929	2.48086	906.3986	
* 18 Chrysene-d12	240		7.651	7.657	(1.000)	605282	40.0000		
* 23 Perylene-d12	264		8.815	8.827	(1.000)	632291	40.0000		
2 Naphthalene	128		3.698	3.698	(1.003)	3741	0.42652	155.8314(Q)	
3 2-Methylnaphthalene	142		4.127	4.127	(1.120)	2014	0.33732	123.2426	
4 1-Methylnaphthalene	142		4.186	4.186	(1.136)	1874	0.34882	127.4449(Q)	
5 Acenaphthylene	152		4.692	4.686	(0.983)	1568	0.15250	55.7164	
7 Acenaphthene	154		4.792	4.792	(1.004)	5269	0.82737	302.2849	
9 Fluorene	166		5.110	5.110	(1.070)	5914	0.69661	254.5114	
11 Phenanthrene	178		5.733	5.733	(1.003)	115306	8.14427	2975.5589	
12 Anthracene	178		5.763	5.768	(1.008)	24055	1.67607	612.3641	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.874	5.874	(1.028)	16046	1.30498	476.7816
15 Fluoranthene	202	6.563	6.568	(1.148)	226504	14.4864	5292.6874
16 Pyrene	202	6.733	6.733	(0.880)	166509	9.93089	3628.3104
17 Benzo(a)anthracene	228	7.645	7.645	(0.999)	108466	6.32026	2309.1442
19 Chrysene	228	7.668	7.674	(1.002)	94118	5.45678	1993.6686
20 Benzo(b)fluoranthene	252	8.480	8.486	(0.962)	154387	8.63684	3155.5221
21 Benzo(k)fluoranthene	252	8.480	8.509	(0.962)	154387	8.92992	3262.6001
22 Benzo(a)pyrene	252	8.762	8.768	(0.994)	75358	4.47779	1635.9884
24 Indeno(1,2,3-cd)pyrene	276	9.945	9.956	(1.128)	47827	2.99206	1093.1685
25 Dibenzo(a,h)anthracene	278	9.956	9.974	(1.129)	12712	0.86090	314.5334
26 Benzo(g,h,i)perylene	276	10.280	10.298	(1.166)	41857	2.56568	937.3856

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: 1CD09007.D

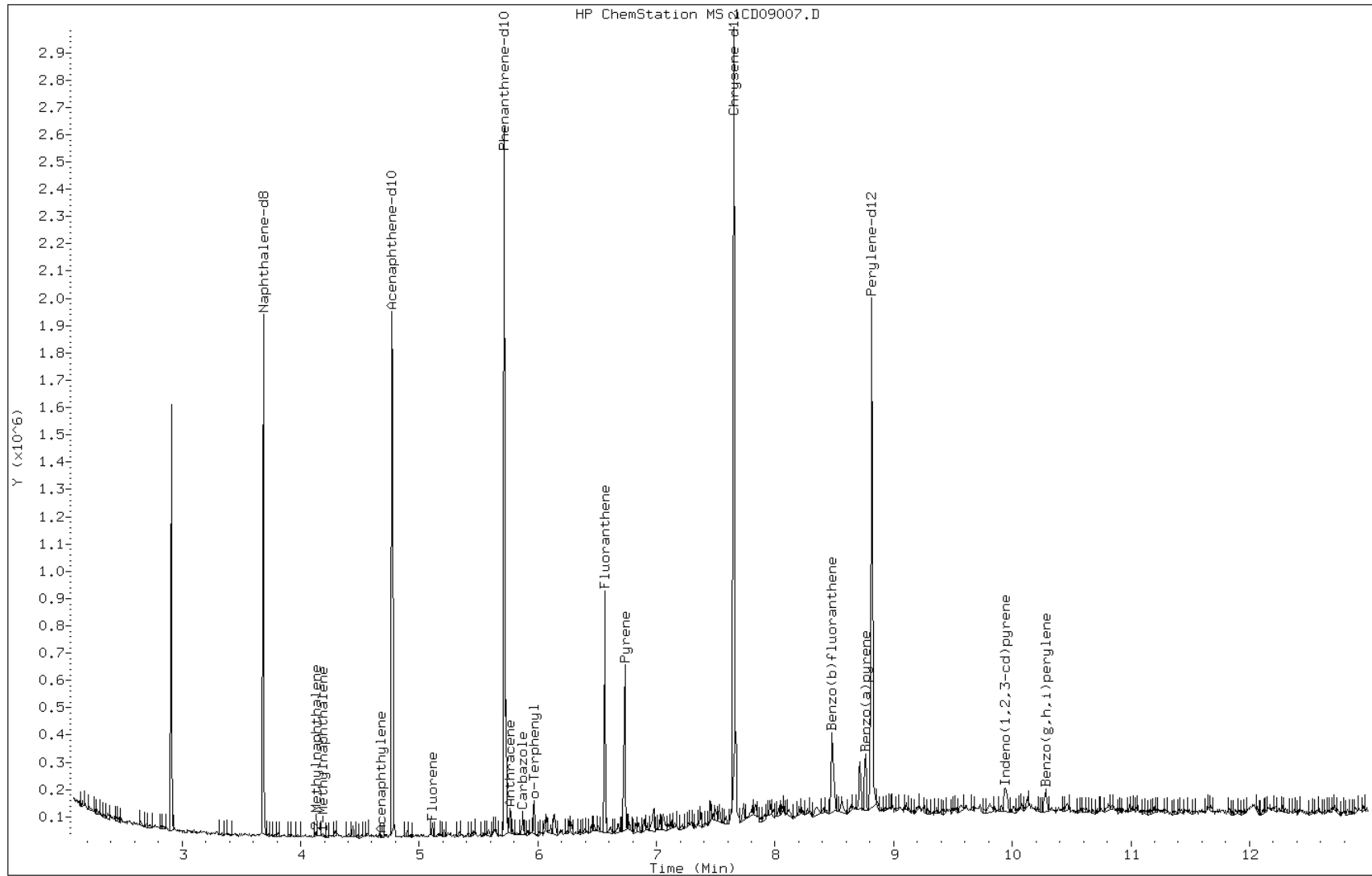
Date: 09-APR-2013 13:05

Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-34-A

Operator: SCC



Data File: 1CD09007.D

Date: 09-APR-2013 13:05

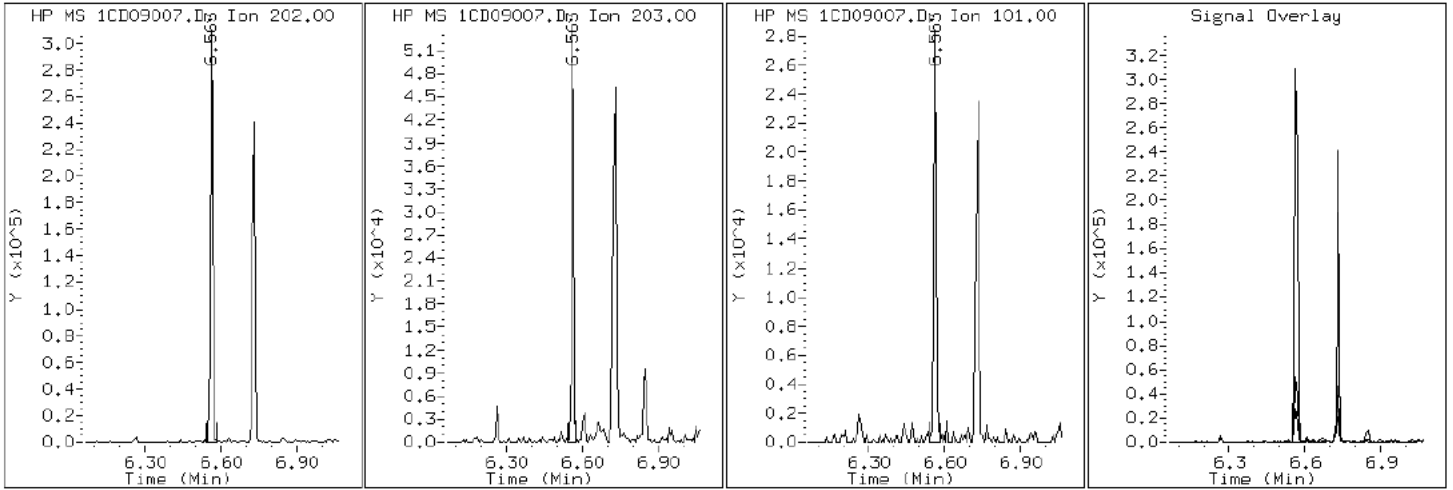
Client ID: CV0509X-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-A-34-A

Operator: SCC

15 Fluoranthene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509Y-CS Lab Sample ID: 680-88767-35
 Matrix: Solid Lab File ID: 1CD05014.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 14:10
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.05(g) Date Analyzed: 04/05/2013 15:21
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 27.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	550	U	550	110
208-96-8	Acenaphthylene	52	J	220	27
120-12-7	Anthracene	77		46	23
56-55-3	Benzo[a]anthracene	410		44	21
50-32-8	Benzo[a]pyrene	350		57	29
205-99-2	Benzo[b]fluoranthene	530		67	33
191-24-2	Benzo[g,h,i]perylene	280		110	24
207-08-9	Benzo[k]fluoranthene	230		44	20
218-01-9	Chrysene	550		49	25
53-70-3	Dibenz(a,h)anthracene	140		110	22
206-44-0	Fluoranthene	460		110	22
86-73-7	Fluorene	110	U	110	22
193-39-5	Indeno[1,2,3-cd]pyrene	230		110	39
90-12-0	1-Methylnaphthalene	300		220	24
91-57-6	2-Methylnaphthalene	290		220	39
91-20-3	Naphthalene	250		220	24
85-01-8	Phenanthrene	490		44	21
129-00-0	Pyrene	470		110	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	94		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05014.D
 Lab Smp Id: 680-88767-A-35-A Client Smp ID: CV0509Y-CS
 Inj Date : 05-APR-2013 15:21
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-35-a
 Misc Info : 680-88767-A-35-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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	15.050	Weight Extracted
M	27.273	% 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		3.692	3.692	(1.000)	531432	40.0000		
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	401151	40.0000		
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	770699	40.0000		
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	20593	2.36239	863.3310	
* 18 Chrysene-d12	240		7.656	7.662	(1.000)	887476	40.0000		
* 23 Perylene-d12	264		8.821	8.827	(1.000)	850078	40.0000		
2 Naphthalene	128		3.704	3.704	(1.003)	9444	0.69188	252.8474(Q)	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	7499	0.80707	294.9442(Q)	
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	6824	0.81621	298.2820	
5 Acenaphthylene	152		4.692	4.692	(0.982)	2364	0.14239	52.0350(Q)	
11 Phenanthrene	178		5.739	5.739	(1.003)	30246	1.34748	492.4347	
12 Anthracene	178		5.768	5.774	(1.008)	4765	0.20941	76.5299	
13 Carbazole	167		5.880	5.880	(1.028)	3902	0.20016	73.1482(Q)	
15 Fluoranthene	202		6.568	6.574	(1.148)	30946	1.24837	456.2144	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
16 Pyrene	202	6.739	6.739	(0.880)	31719	1.29024	471.5168
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	25395	1.12320	410.4722
19 Chrysene	228	7.674	7.680	(1.002)	38287	1.51397	553.2770
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.962)	34899	1.45216	530.6908
21 Benzo(k)fluoranthene	252	8.503	8.509	(0.964)	14838	0.63837	233.2902
22 Benzo(a)pyrene	252	8.768	8.774	(0.994)	21442	0.94767	346.3253
24 Indeno(1,2,3-cd)pyrene	276	9.950	9.962	(1.128)	13655	0.63540	232.2061(M)
25 Dibenzo(a,h)anthracene	278	9.974	9.980	(1.131)	7723	0.38903	142.1696(M)
26 Benzo(g,h,i)perylene	276	10.292	10.303	(1.167)	16788	0.76540	279.7159

QC Flag Legend

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

Data File: 1CD05014.D

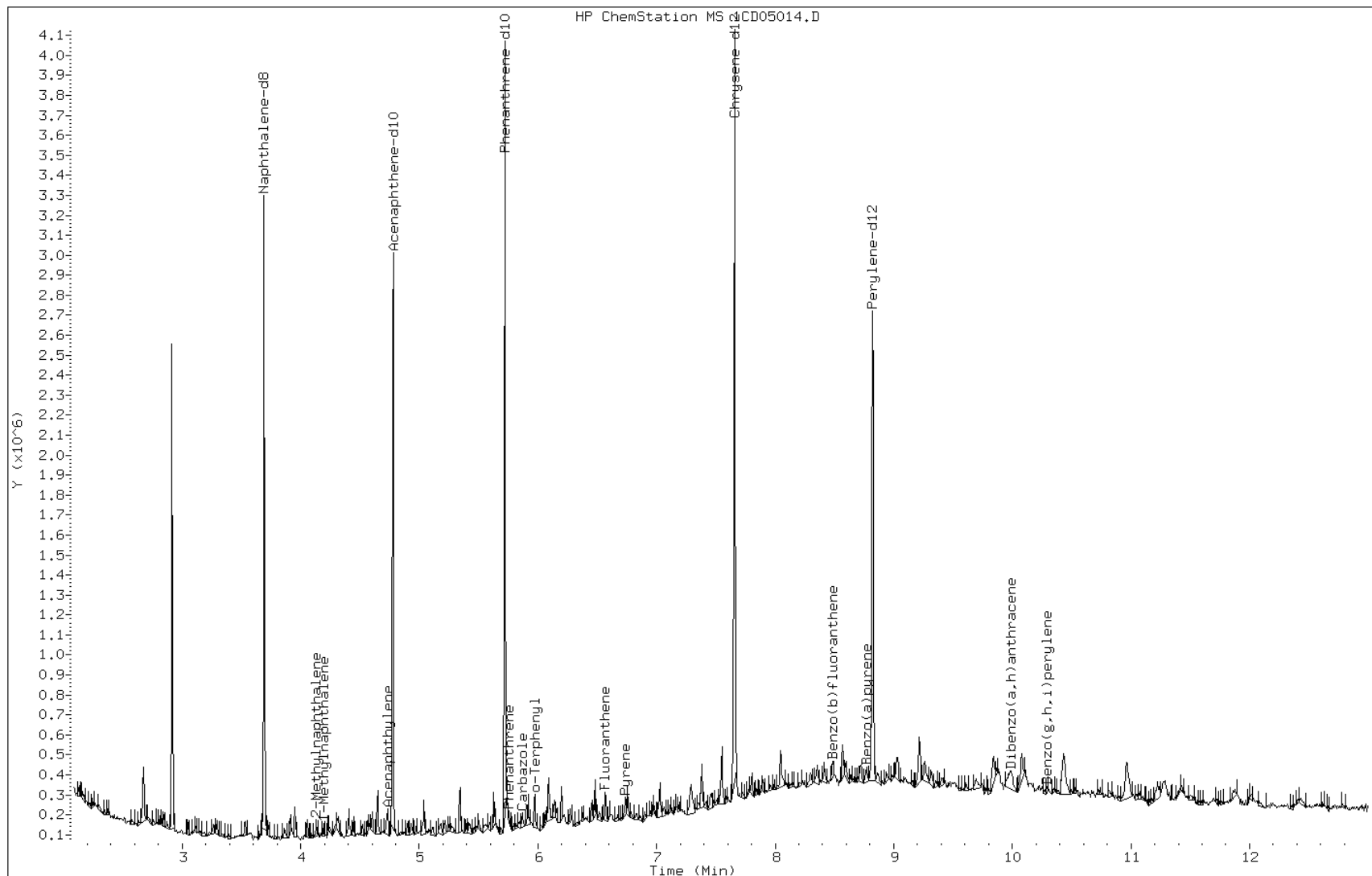
Date: 05-APR-2013 15:21

Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

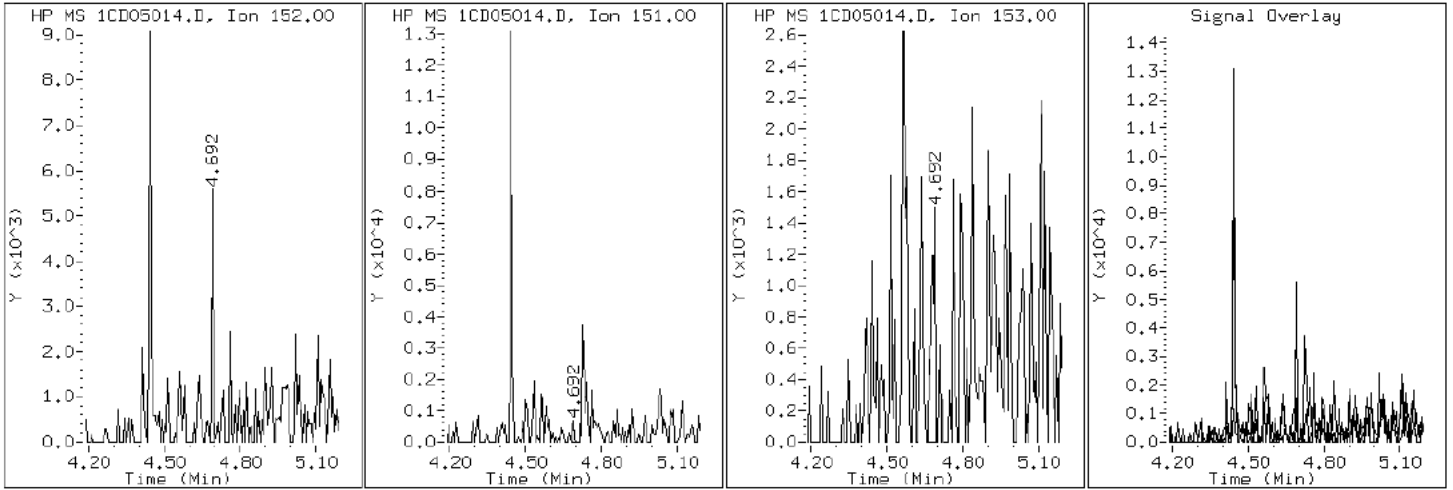
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

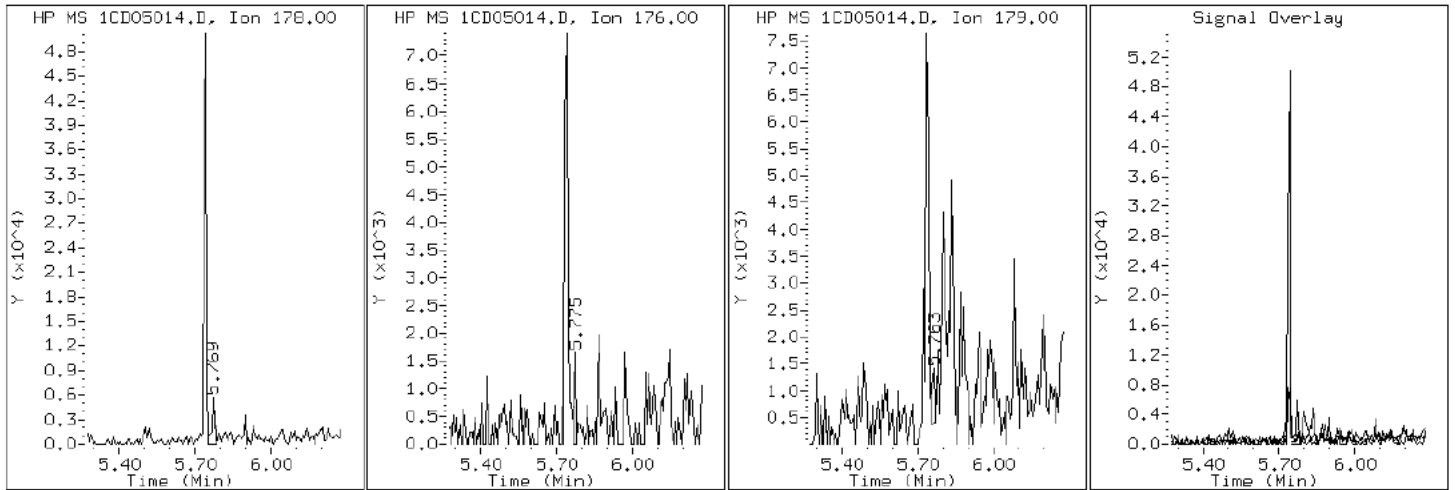
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

12 Anthracene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

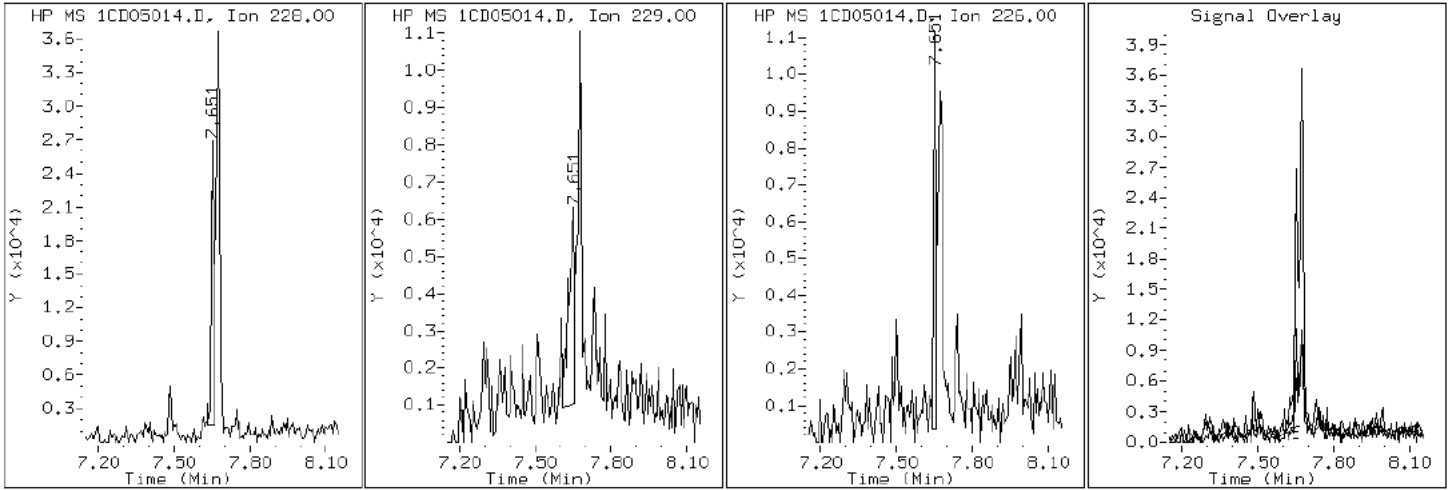
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

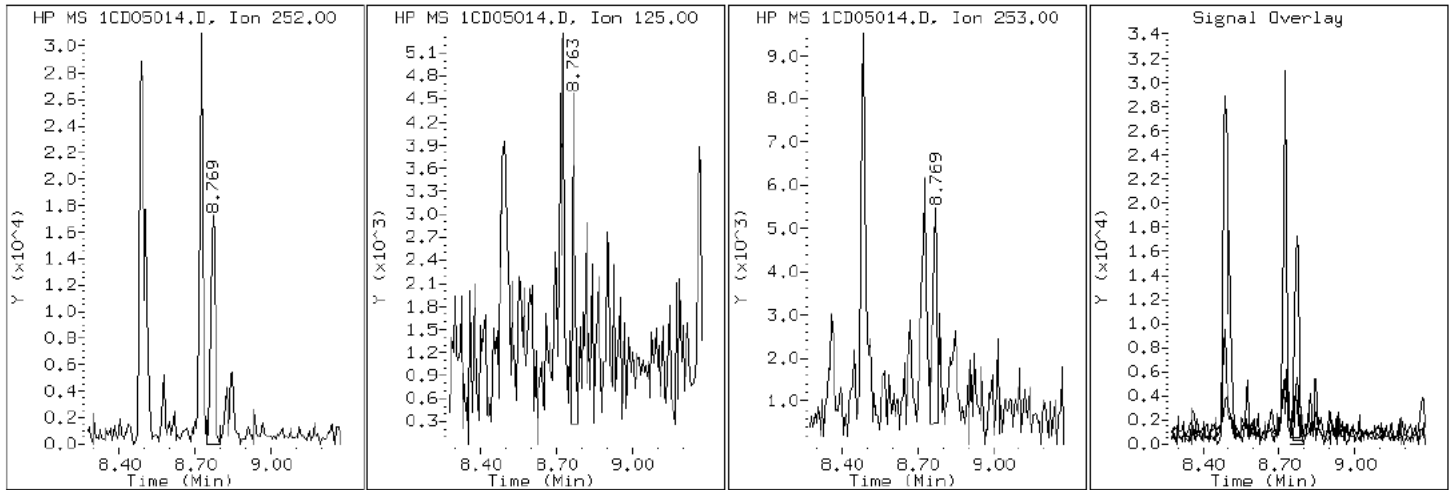
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

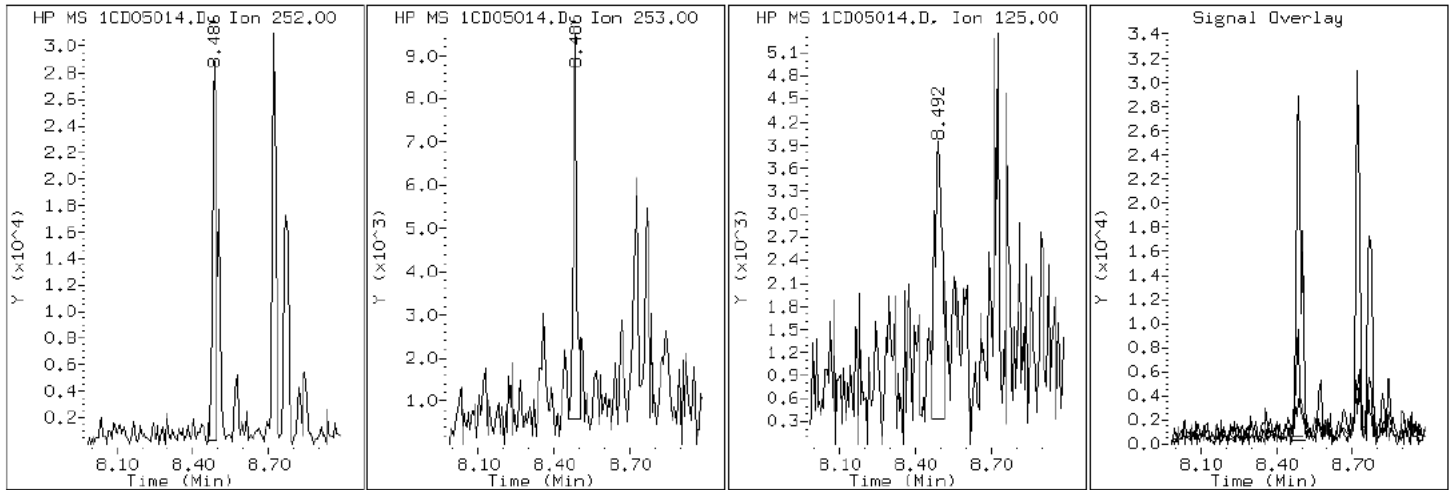
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

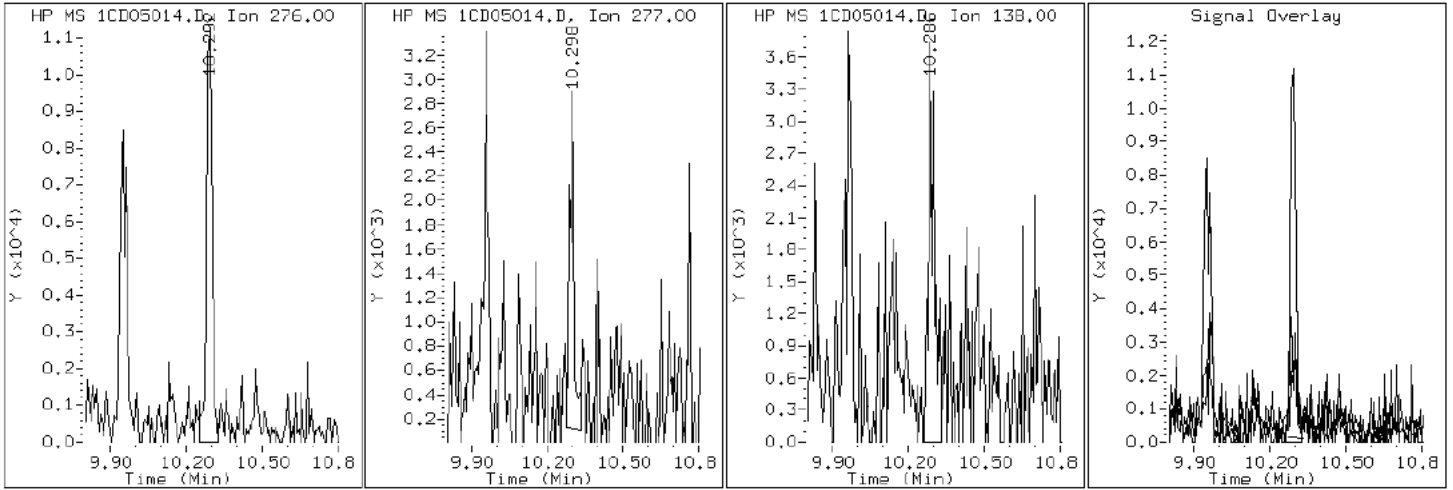
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

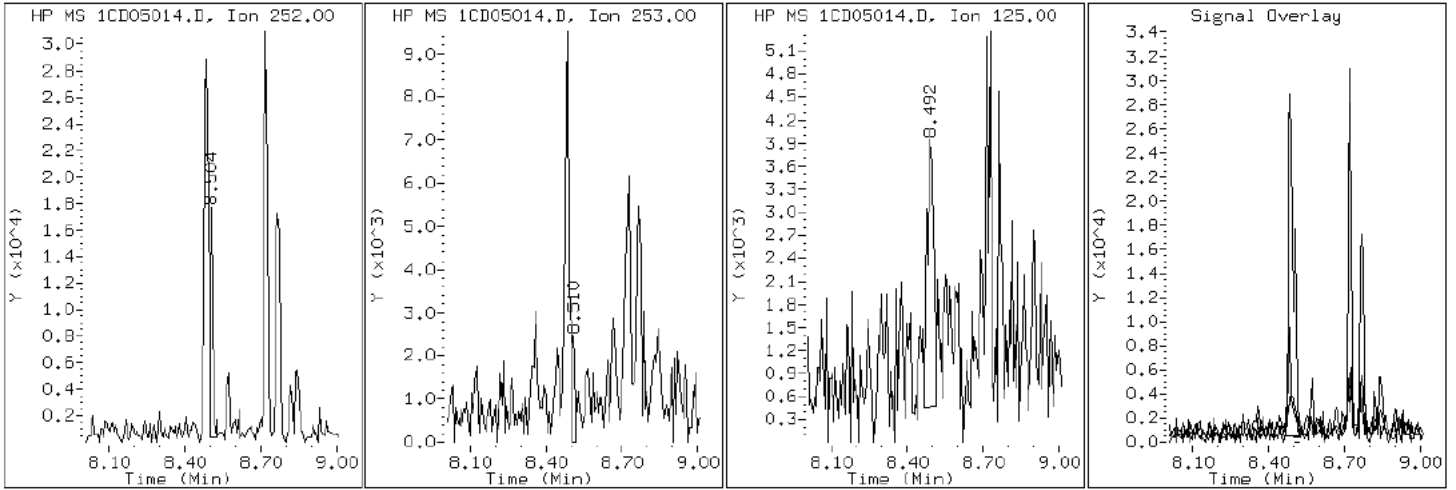
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

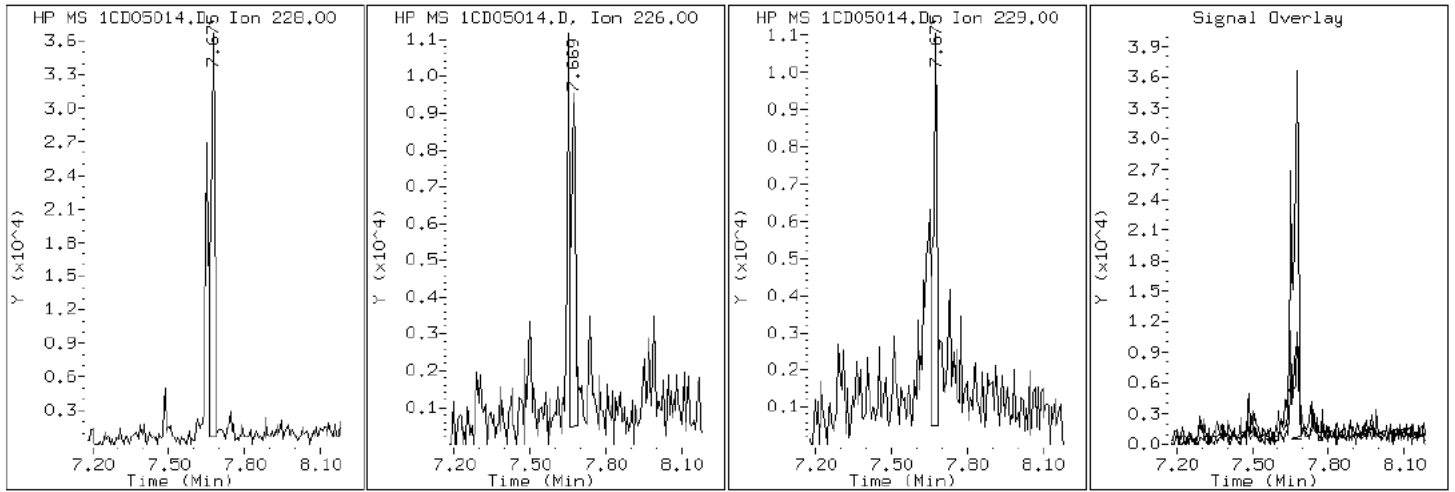
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

19 Chrysene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

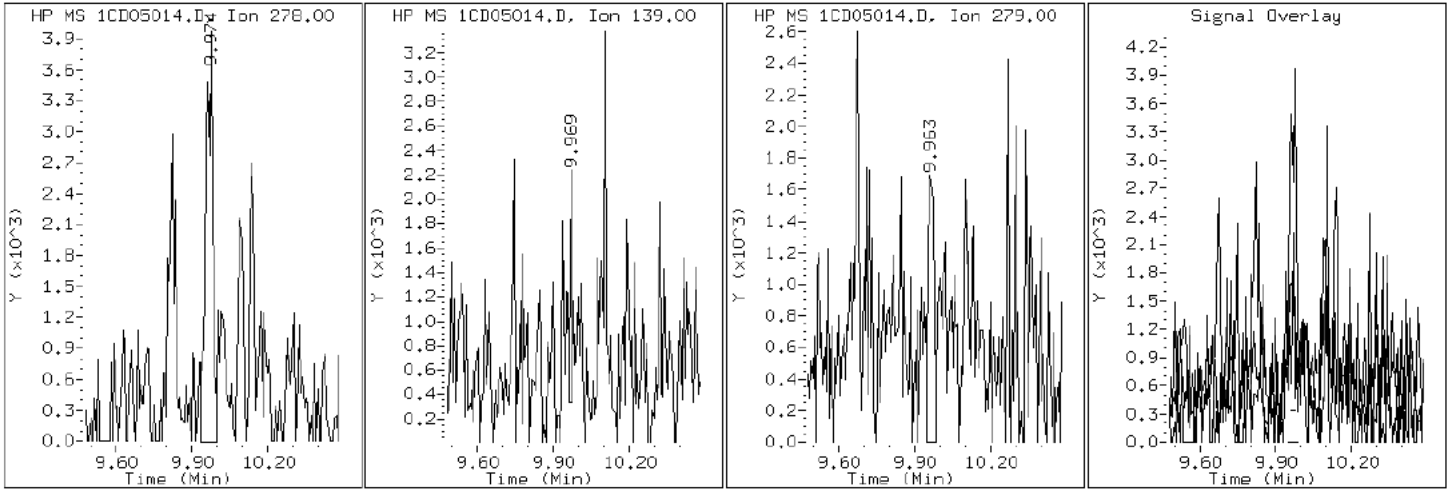
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

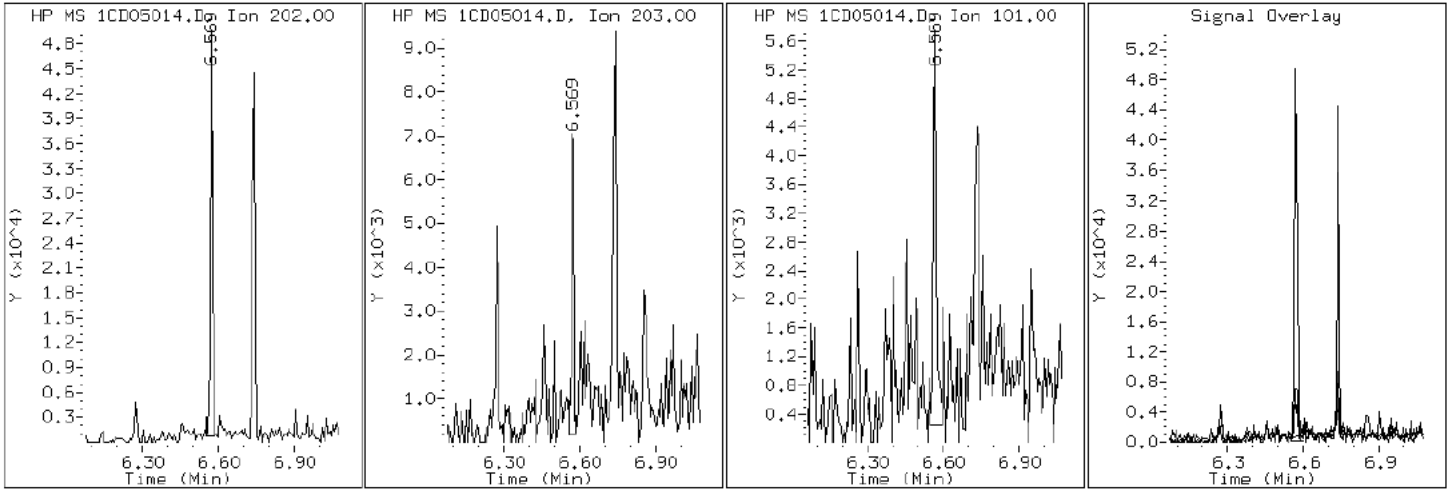
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

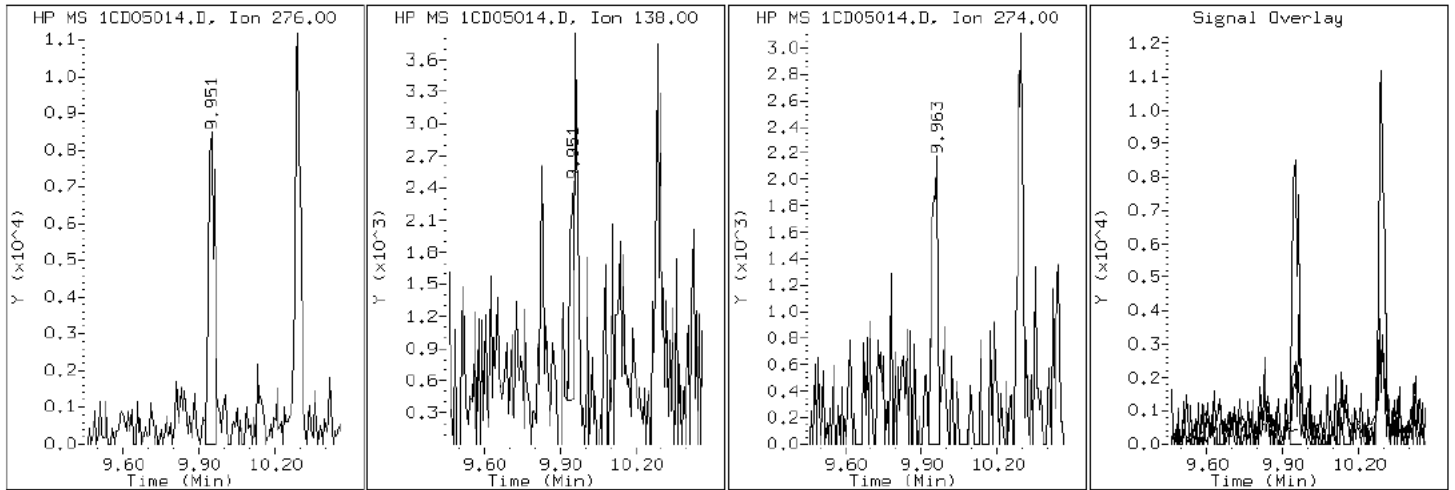
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

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



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

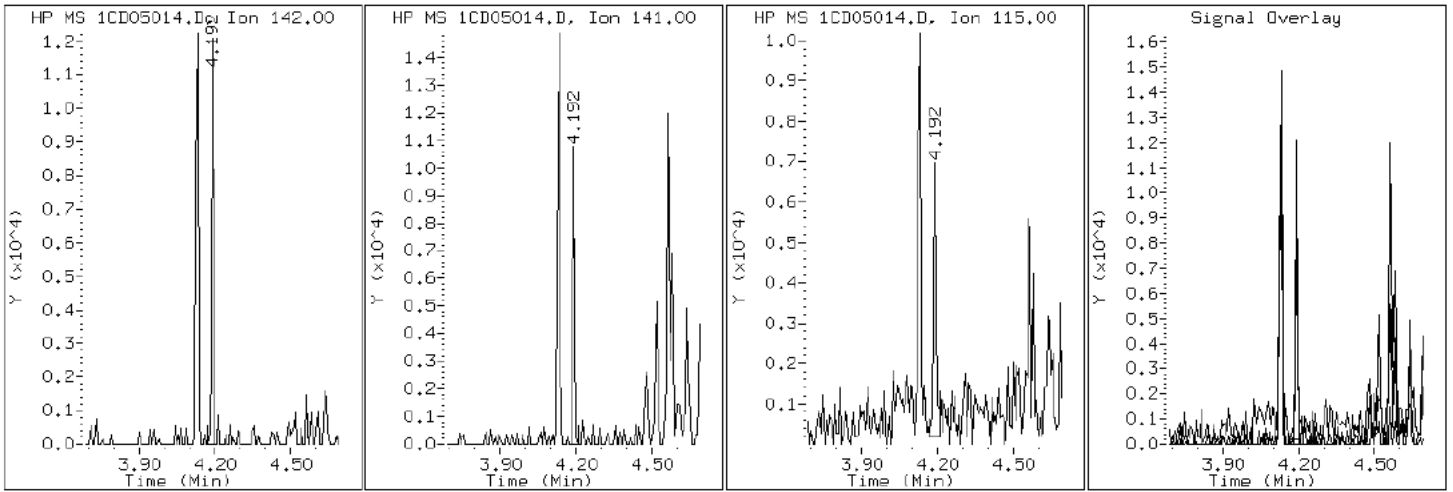
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

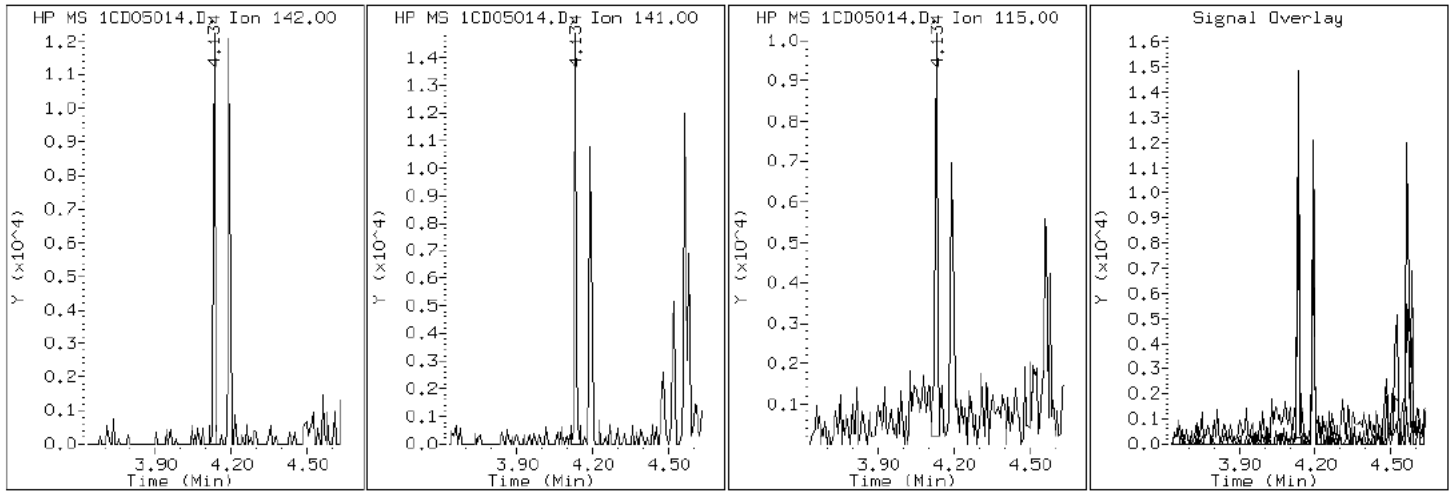
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

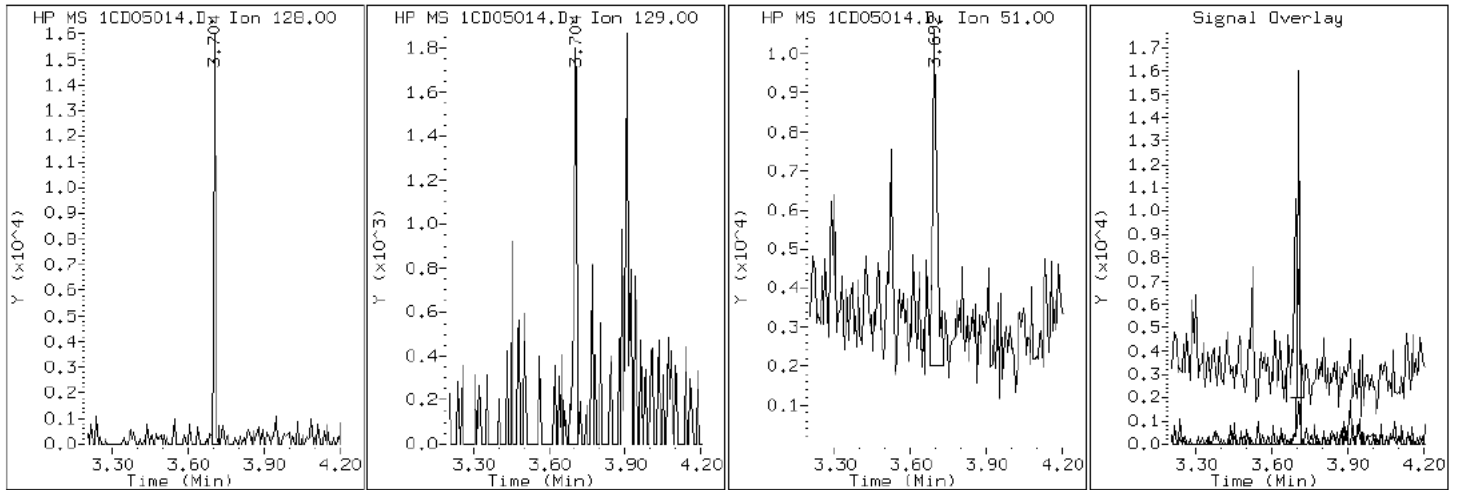
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

2 Naphthalene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

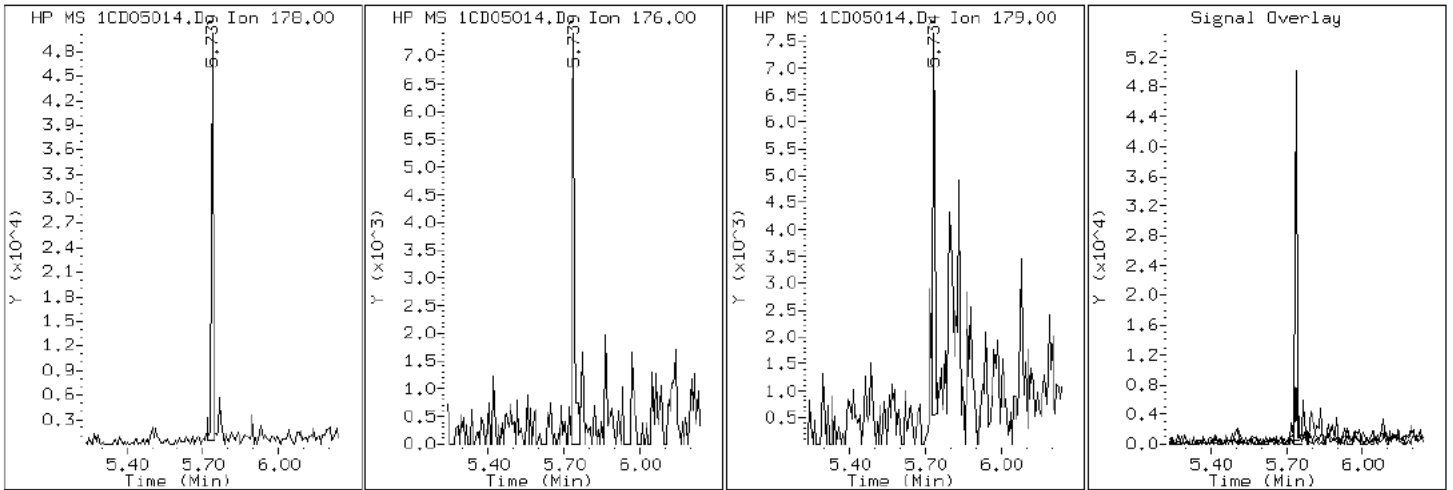
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05014.D

Date: 05-APR-2013 15:21

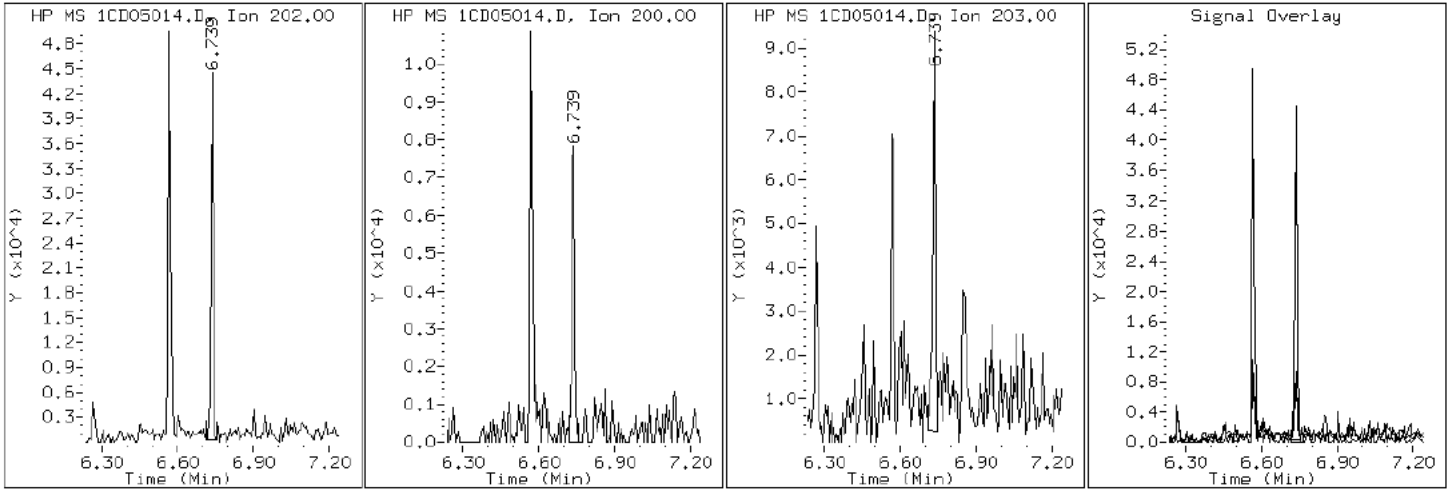
Client ID: CV0509Y-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-35-a

Operator: SCC

16 Pyrene

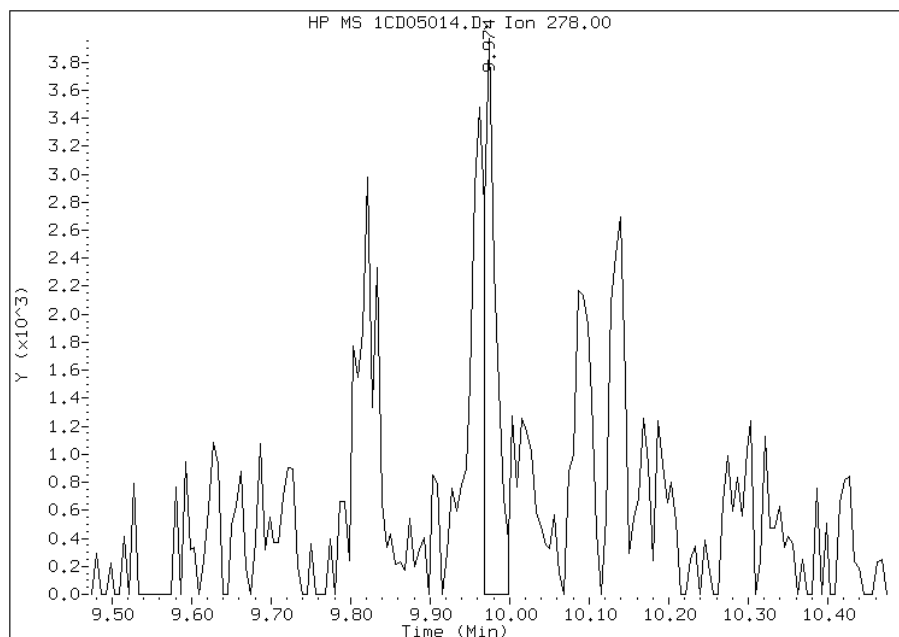


Manual Integration Report

Data File: 1CD05014.D
Inj. Date and Time: 05-APR-2013 15:21
Instrument ID: BSMC5973.i
Client ID: CV0509Y-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/09/2013

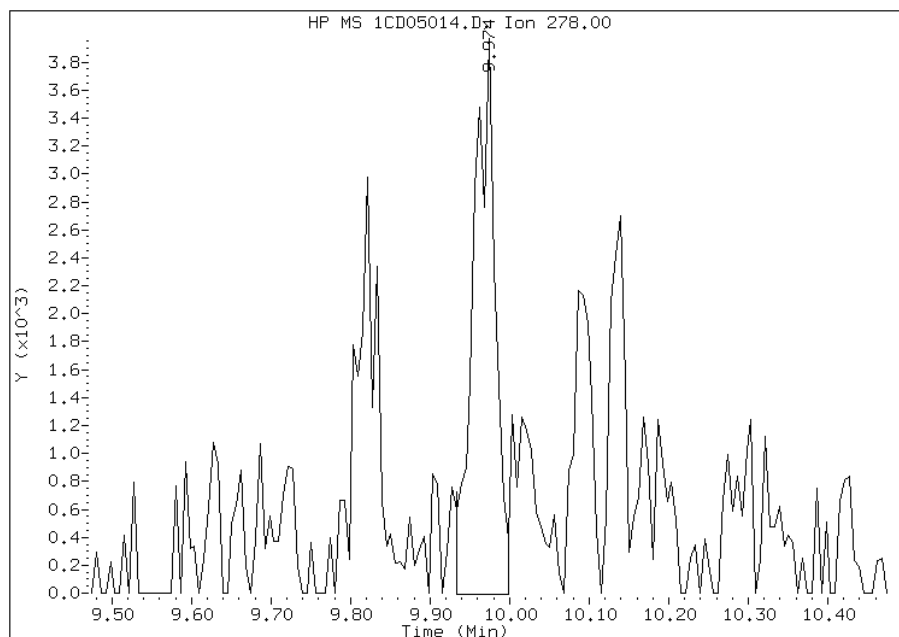
Processing Integration Results

RT: 9.97
Response: 4102
Amount: 0
Conc: 76



Manual Integration Results

RT: 9.97
Response: 7723
Amount: 0
Conc: 142



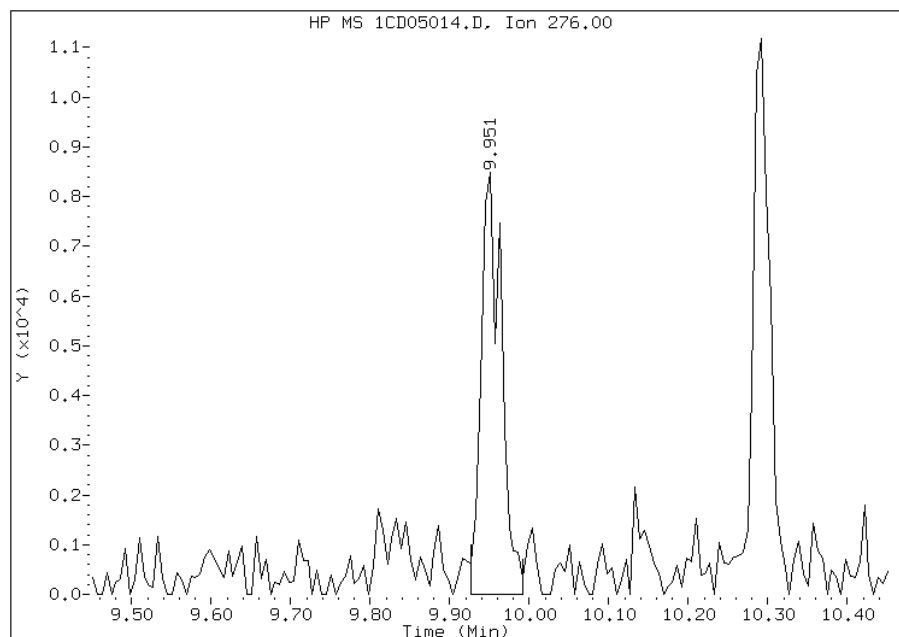
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:05
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05014.D
Inj. Date and Time: 05-APR-2013 15:21
Instrument ID: BSMC5973.i
Client ID: CV0509Y-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

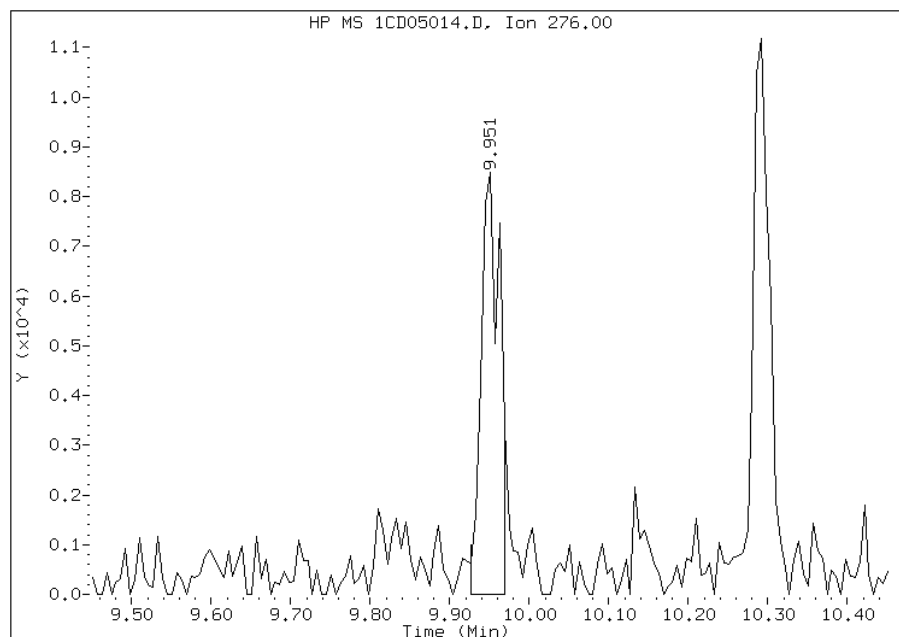
Processing Integration Results

RT: 9.95
Response: 14860
Amount: 1
Conc: 253



Manual Integration Results

RT: 9.95
Response: 13655
Amount: 1
Conc: 232



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:05
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509Z-CS Lab Sample ID: 680-88767-36
 Matrix: Solid Lab File ID: 1CD05015.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 14:15
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.02(g) Date Analyzed: 04/05/2013 15:39
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 33.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 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	10	J	13	6.3
56-55-3	Benzo[a]anthracene	69		12	5.8
50-32-8	Benzo[a]pyrene	38		16	7.8
205-99-2	Benzo[b]fluoranthene	60		18	9.1
191-24-2	Benzo[g,h,i]perylene	26	J	30	6.6
207-08-9	Benzo[k]fluoranthene	22		12	5.4
218-01-9	Chrysene	67		13	6.7
53-70-3	Dibenz(a,h)anthracene	12	J	30	6.1
206-44-0	Fluoranthene	78		30	6.0
86-73-7	Fluorene	8.9	J	30	6.1
193-39-5	Indeno[1,2,3-cd]pyrene	22	J	30	11
90-12-0	1-Methylnaphthalene	33	J	60	6.6
91-57-6	2-Methylnaphthalene	45	J	60	11
91-20-3	Naphthalene	42	J	60	6.6
85-01-8	Phenanthrene	65		12	5.8
129-00-0	Pyrene	66		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\1C040513.b\1CD05015.D
 Lab Smp Id: 680-88767-A-36-A Client Smp ID: CV0509Z-CS
 Inj Date : 05-APR-2013 15:39
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-36-a
 Misc Info : 680-88767-A-36-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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	15.020	Weight Extracted
M	33.234	% 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		3.692	3.692	(1.000)	491117	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	384452	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	795362	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	77458	6.69185	667.2986
* 18 Chrysene-d12	240		7.656	7.662	(1.000)	918704	40.0000	
* 23 Perylene-d12	264		8.821	8.827	(1.000)	882846	40.0000	
2 Naphthalene	128		3.704	3.704	(1.003)	5260	0.41699	41.5813(Q)
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	3849	0.44825	44.6987
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	2527	0.32706	32.6140
9 Fluorene	166		5.121	5.116	(1.071)	1172	0.08921	8.8956
11 Phenanthrene	178		5.739	5.739	(1.003)	15030	0.64883	64.7005
12 Anthracene	178		5.774	5.774	(1.009)	2356	0.10033	10.0048
13 Carbazole	167		5.880	5.880	(1.028)	2103	0.10453	10.4237
15 Fluoranthene	202		6.568	6.574	(1.148)	20129	0.78683	78.4611

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
16 Pyrene	202	6.739	6.739	(0.880)	16928	0.66518	66.3303
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	14937	0.69676	69.4796
19 Chrysene	228	7.674	7.680	(1.002)	17532	0.66970	66.7808
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.962)	14934	0.59835	59.6659(M)
21 Benzo(k)fluoranthene	252	8.503	8.509	(0.964)	5206	0.21566	21.5053(QM)
22 Benzo(a)pyrene	252	8.768	8.774	(0.994)	8934	0.38020	37.9128
24 Indeno(1,2,3-cd)pyrene	276	9.950	9.962	(1.128)	4824	0.21614	21.5531(M)
25 Dibenzo(a,h)anthracene	278	9.968	9.980	(1.130)	2518	0.12213	12.1786
26 Benzo(g,h,i)perylene	276	10.286	10.303	(1.166)	5918	0.25980	25.9068(M)

QC Flag Legend

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

Data File: 1CD05015.D

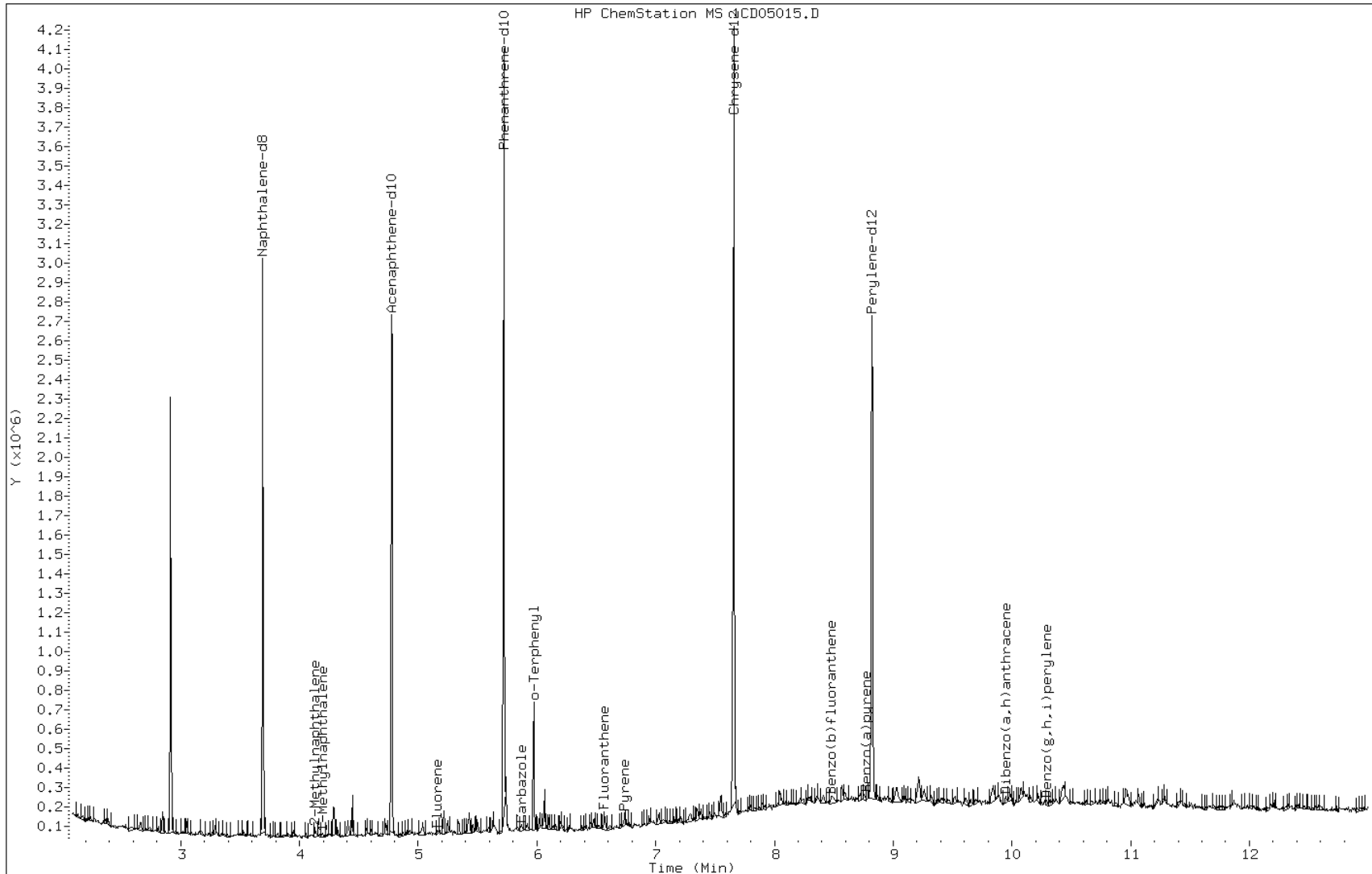
Date: 05-APR-2013 15:39

Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

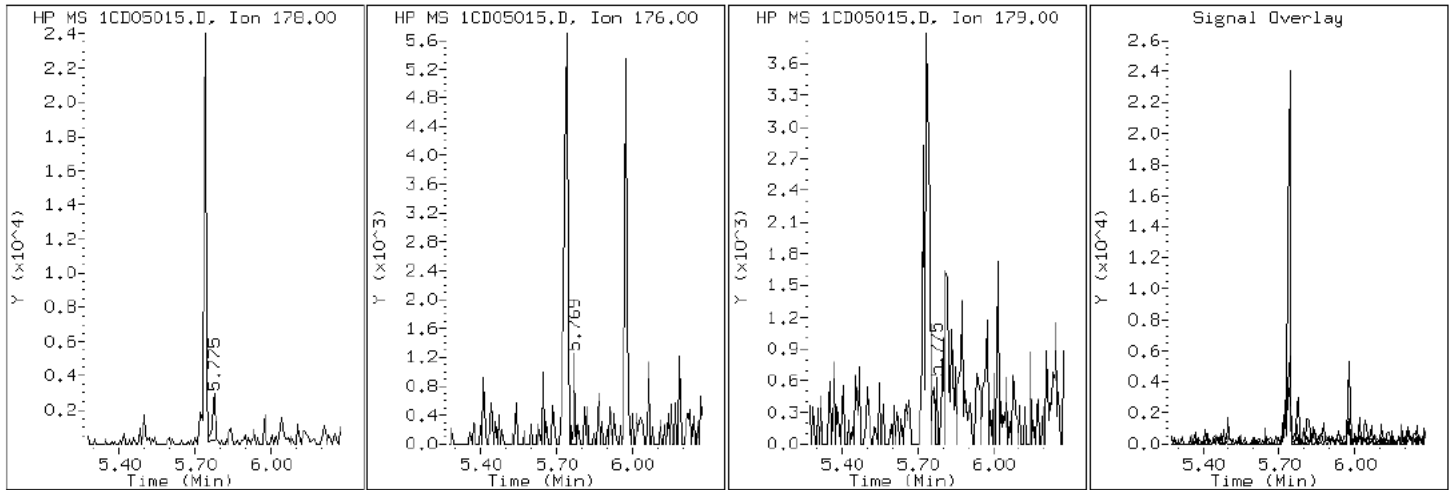
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

12 Anthracene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

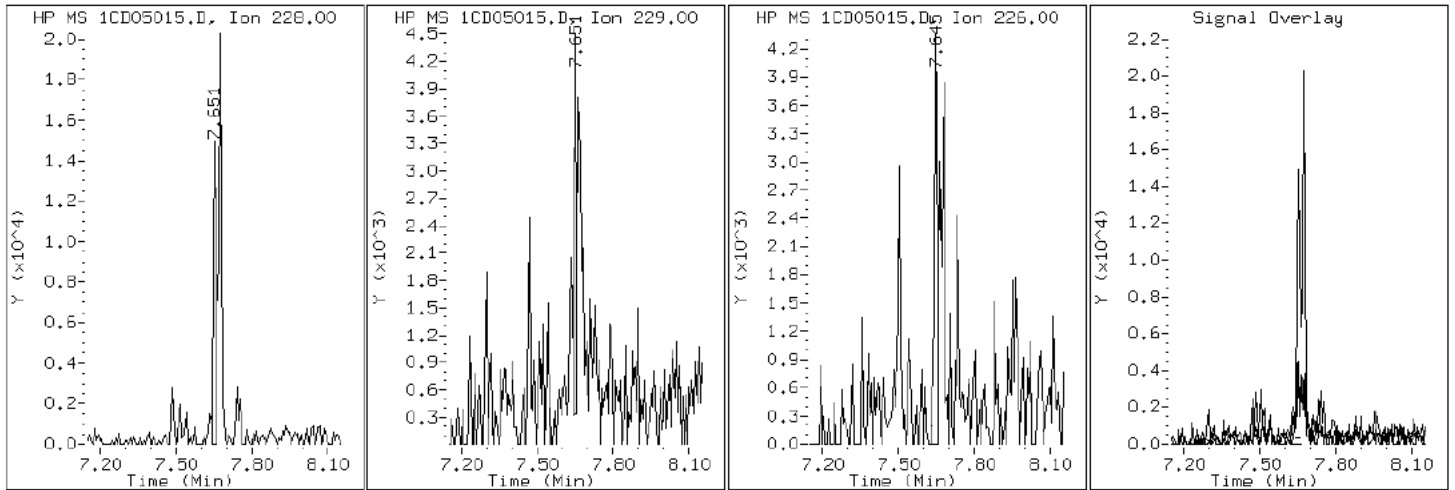
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

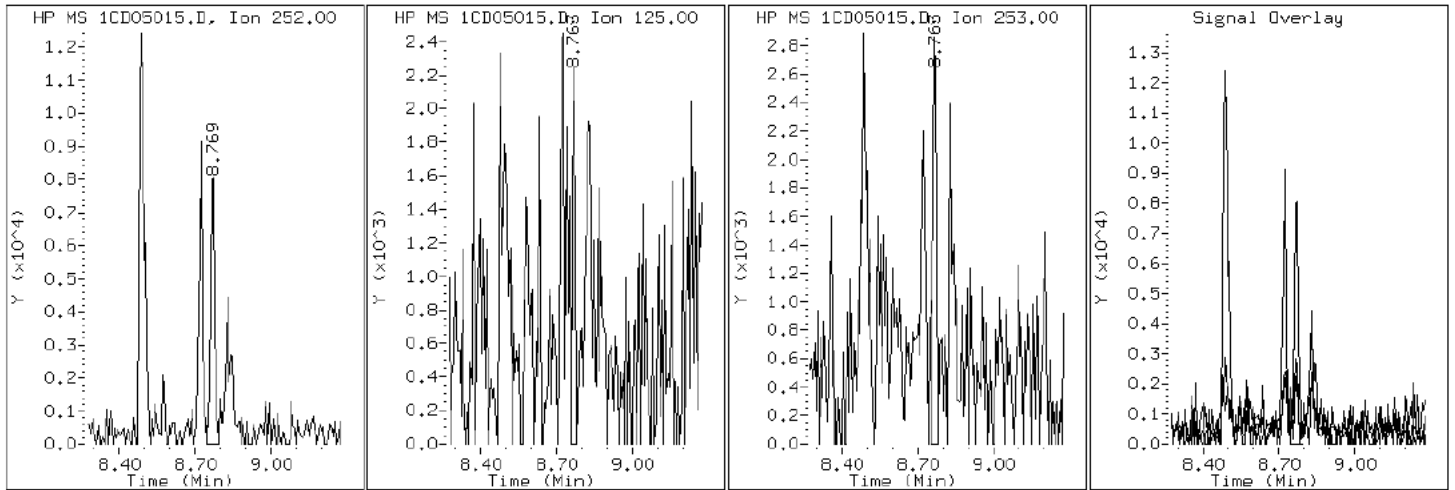
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

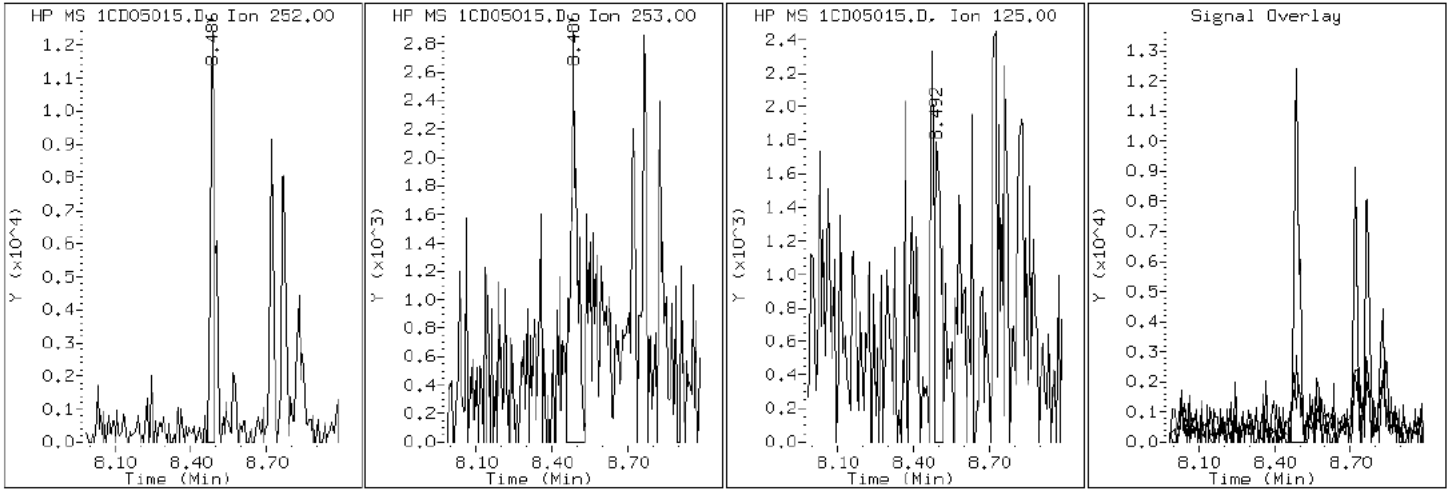
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

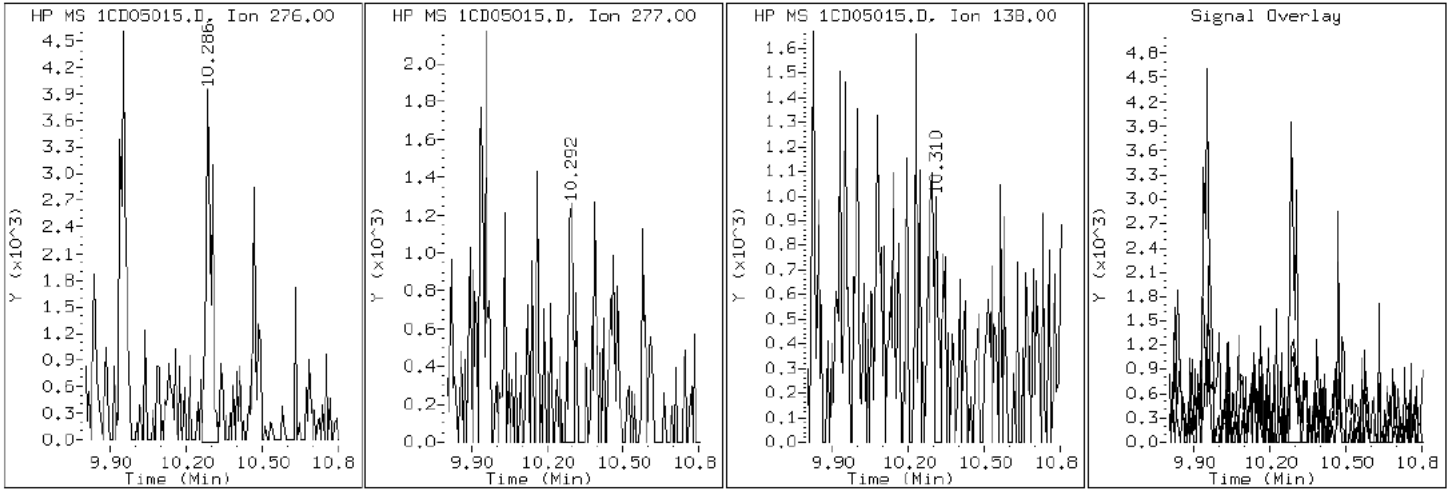
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

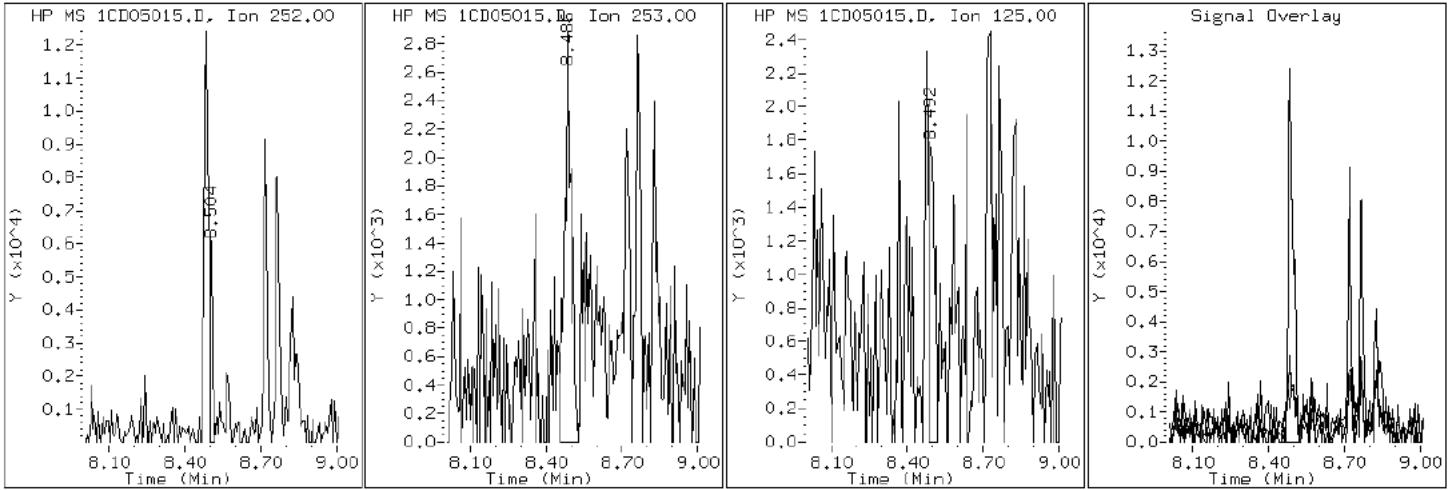
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

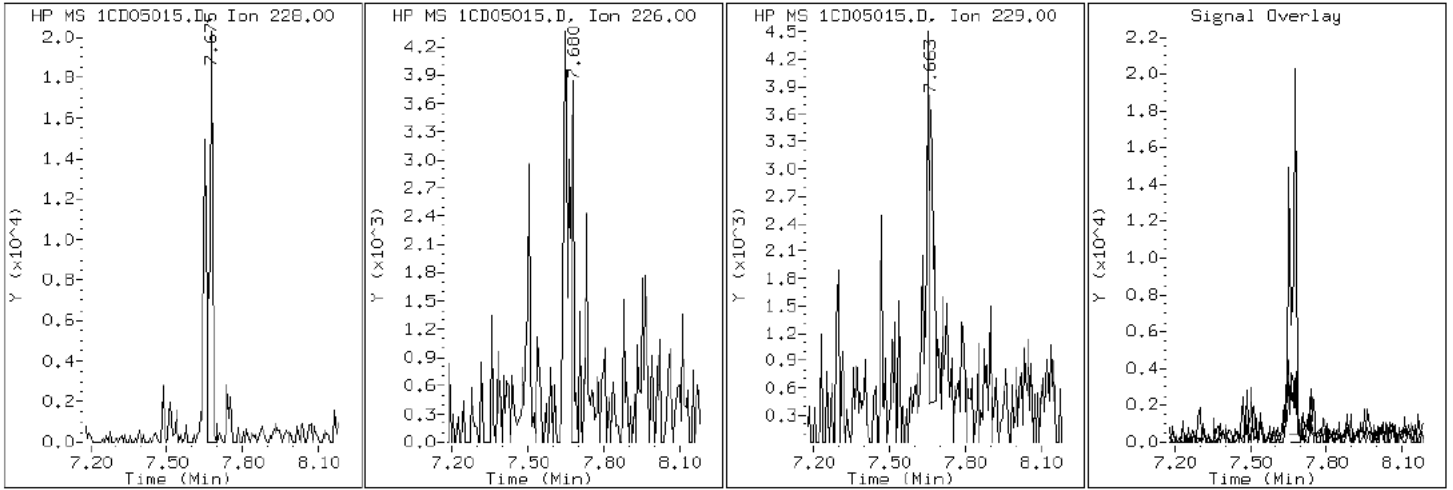
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

19 Chrysene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

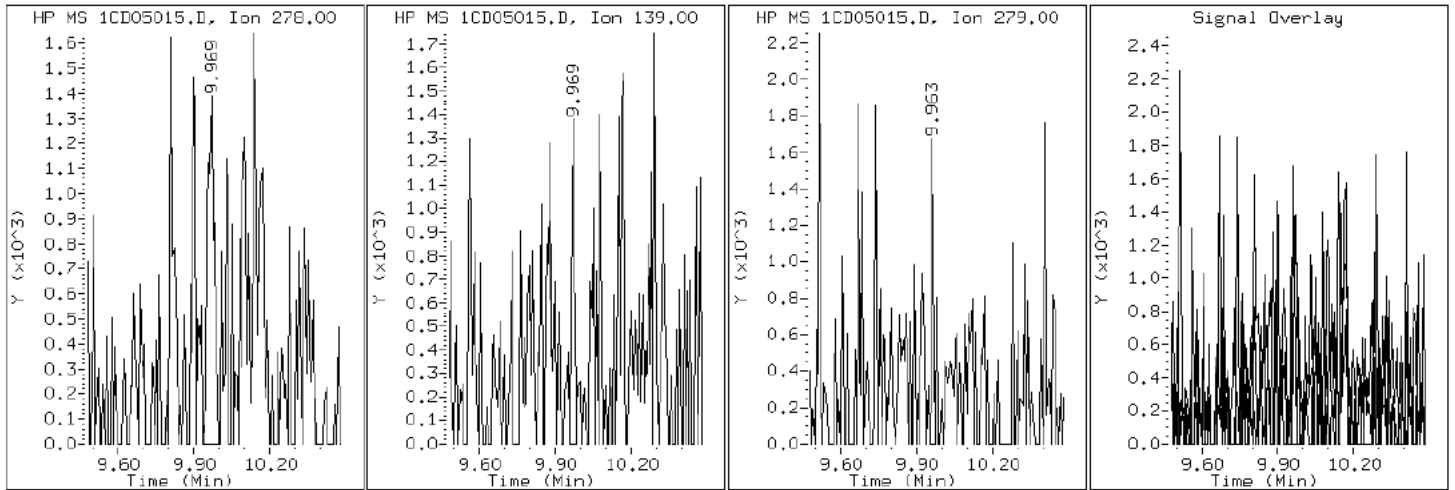
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

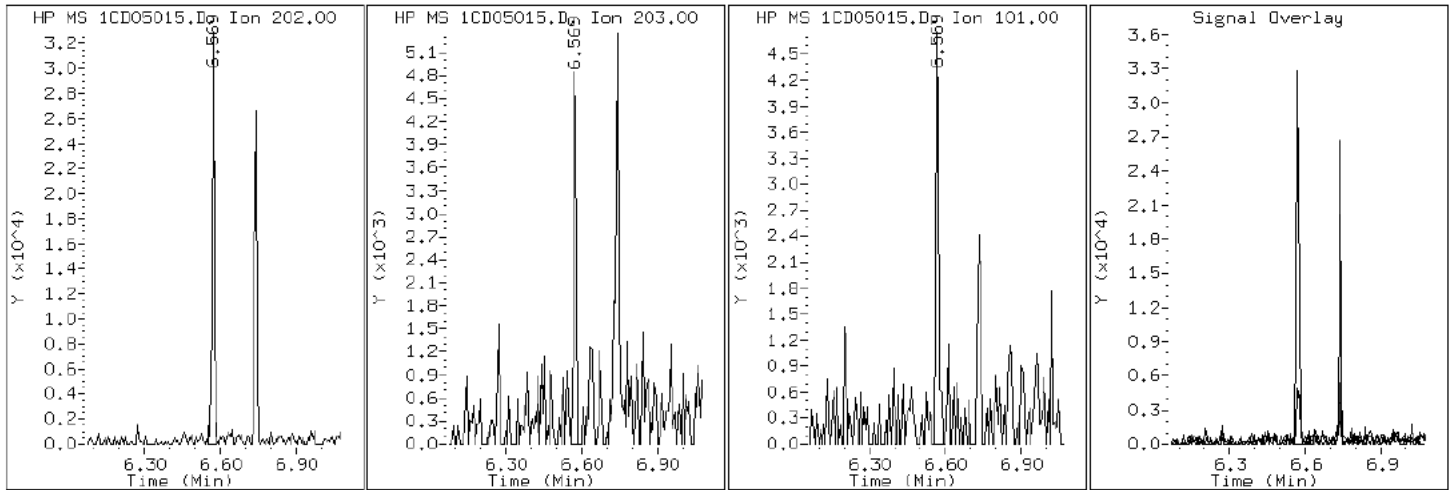
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

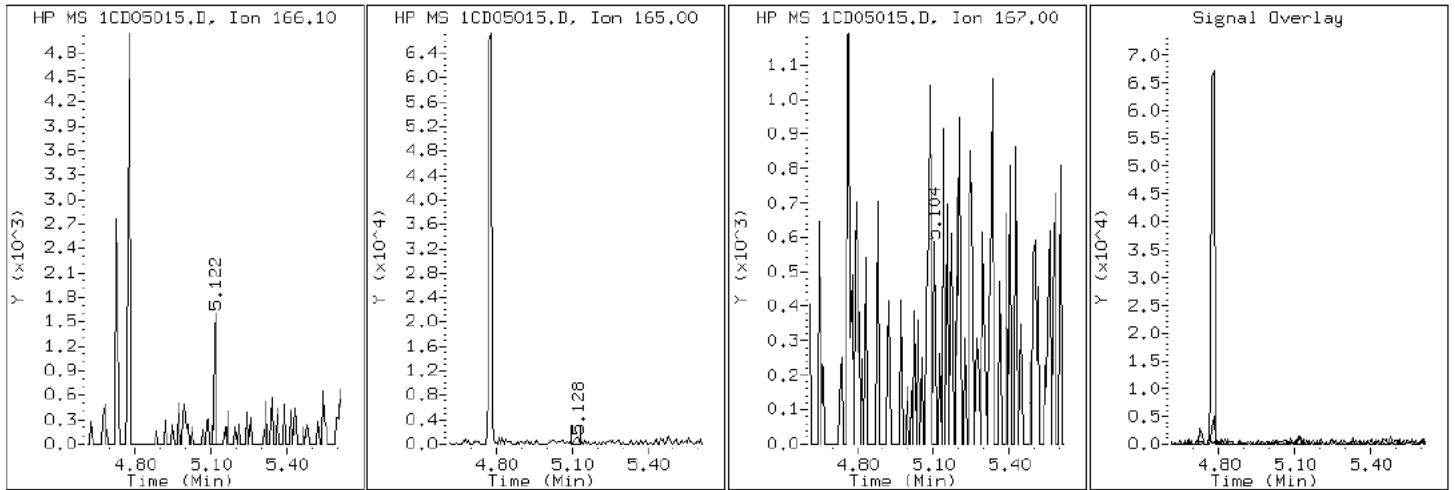
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

9 Fluorene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

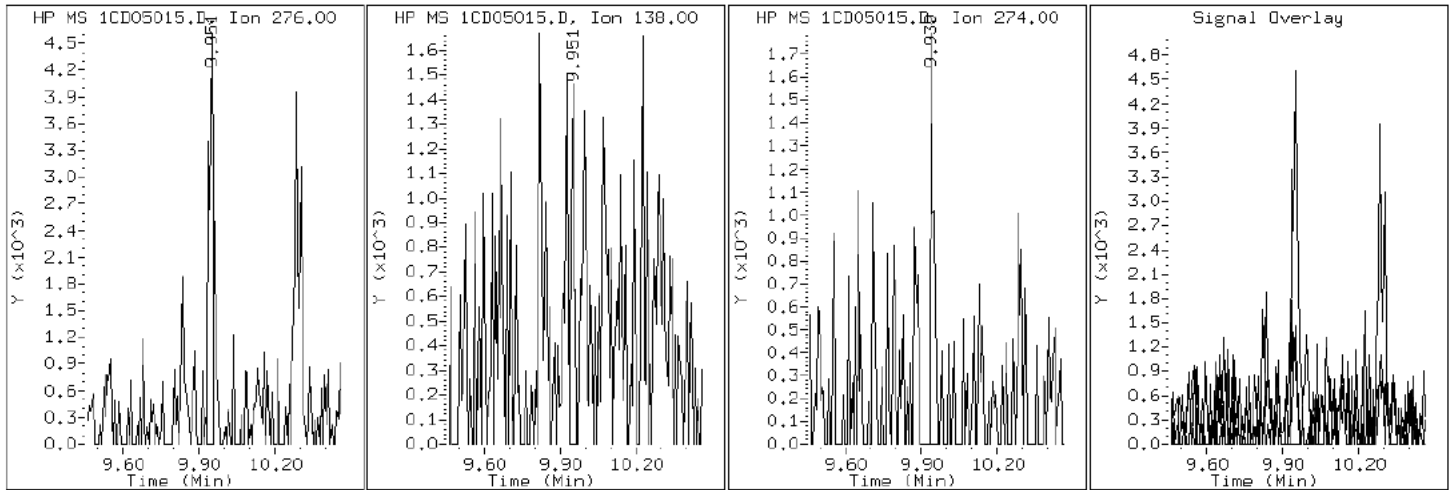
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

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



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

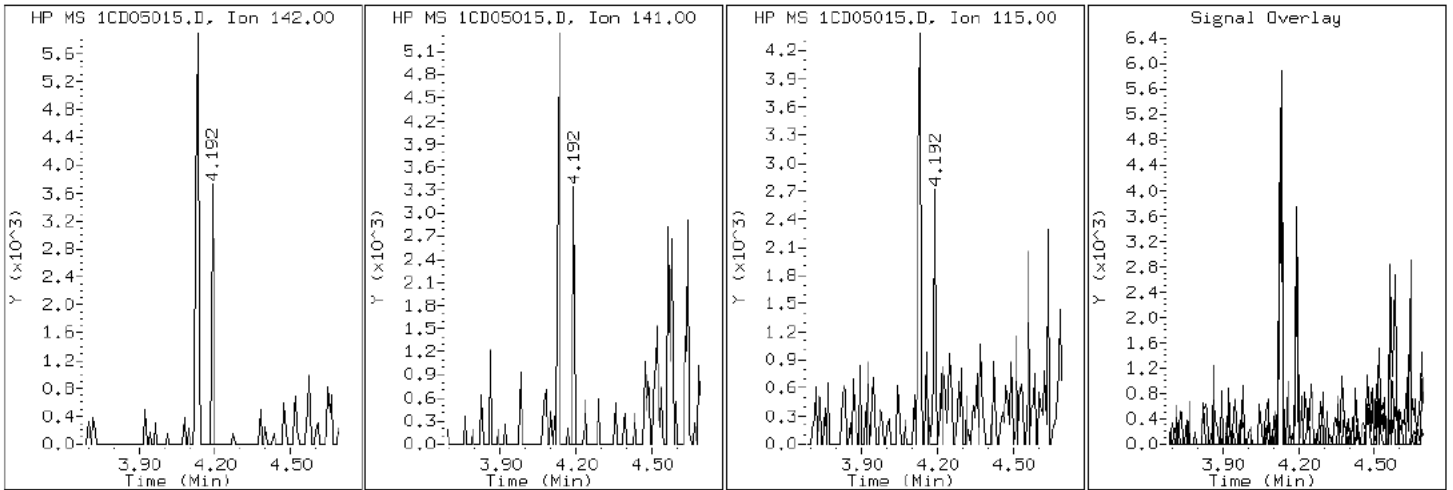
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

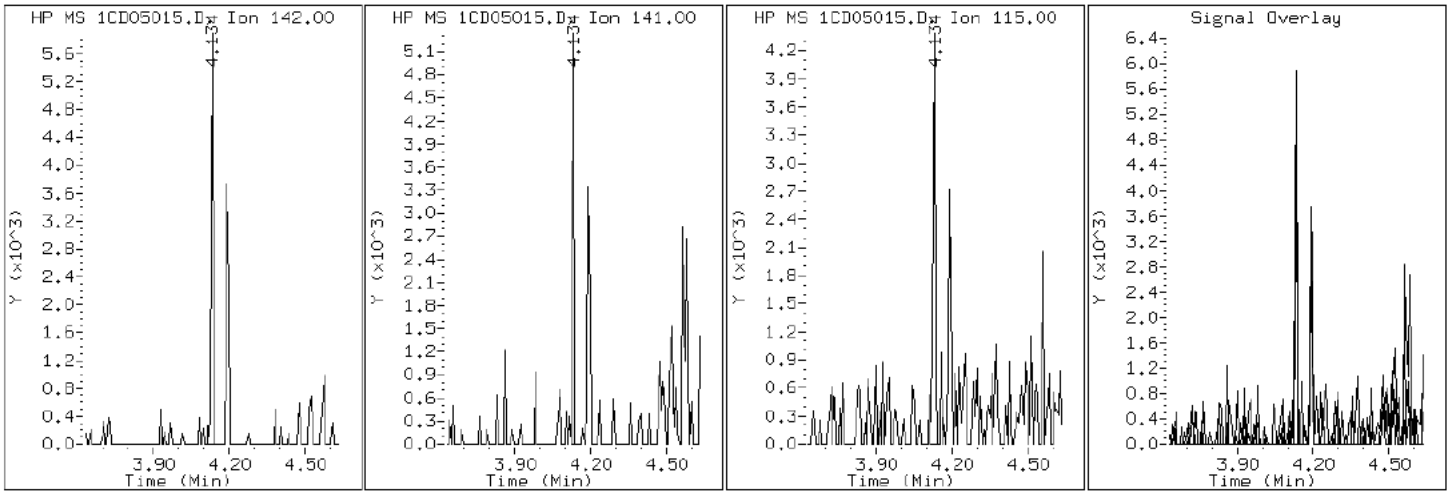
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

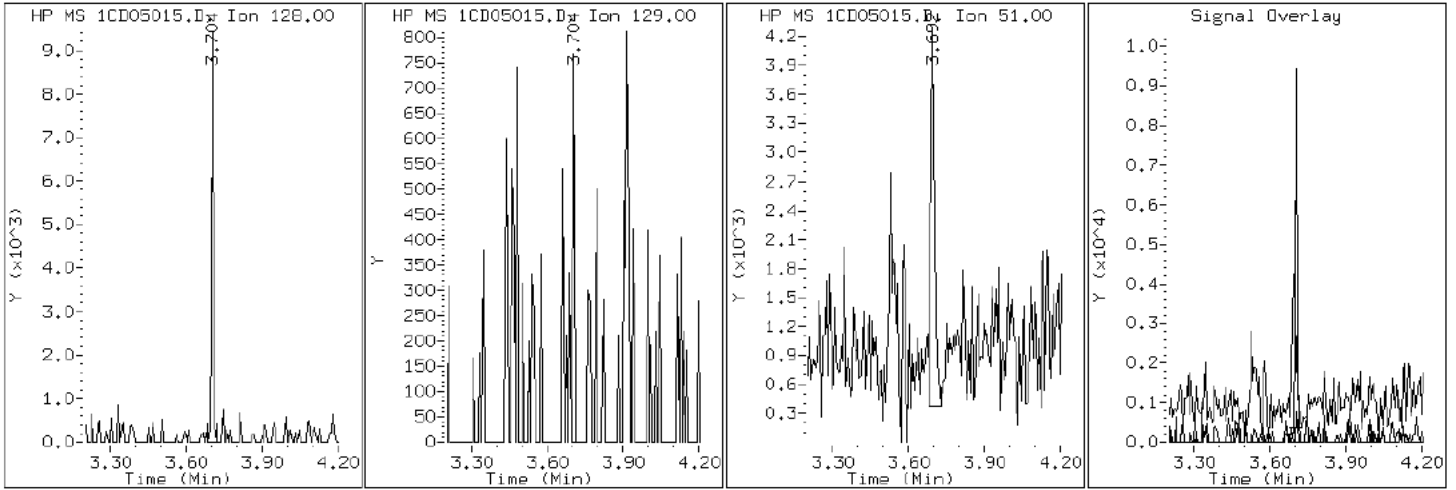
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

2 Naphthalene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

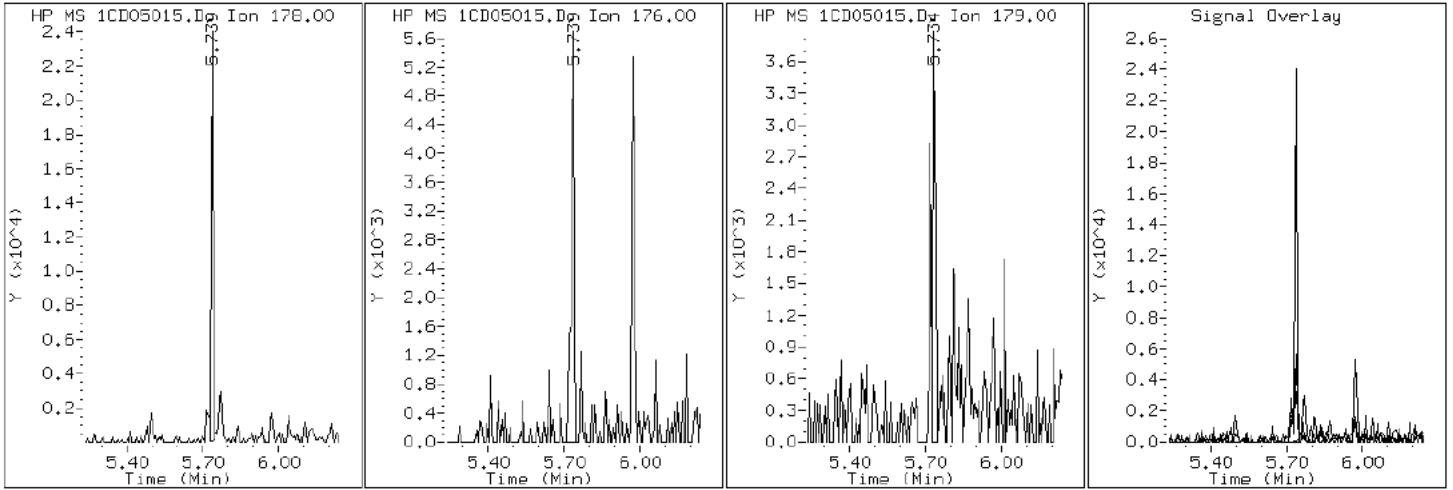
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05015.D

Date: 05-APR-2013 15:39

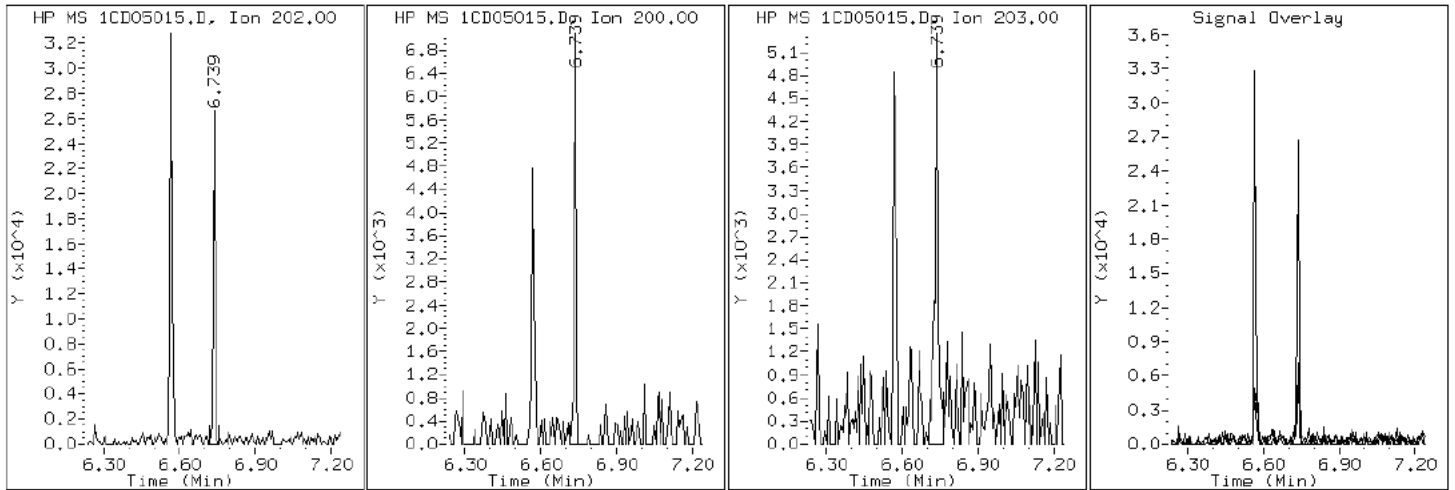
Client ID: CV0509Z-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-36-a

Operator: SCC

16 Pyrene

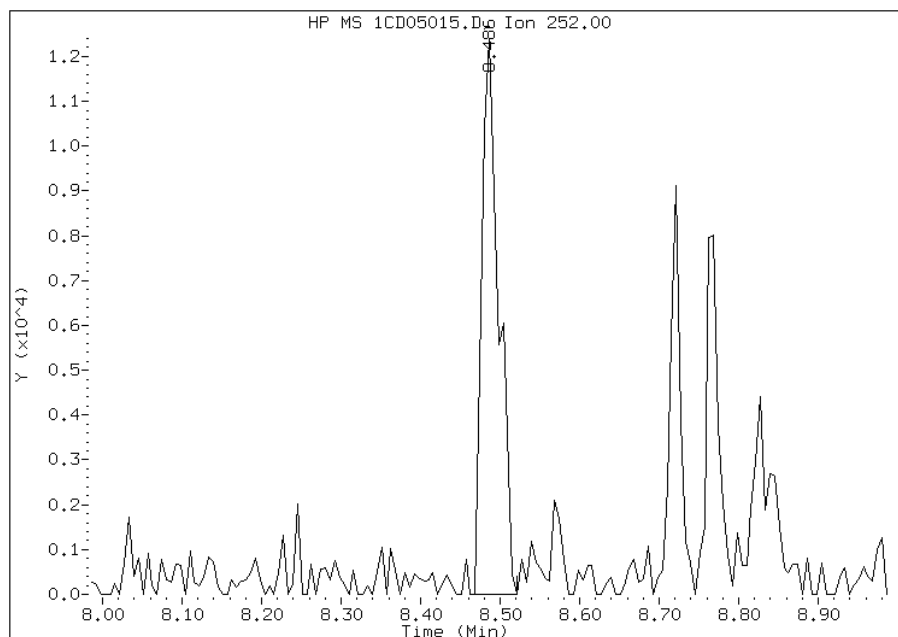


Manual Integration Report

Data File: 1CD05015.D
Inj. Date and Time: 05-APR-2013 15:39
Instrument ID: BSMC5973.i
Client ID: CV0509Z-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

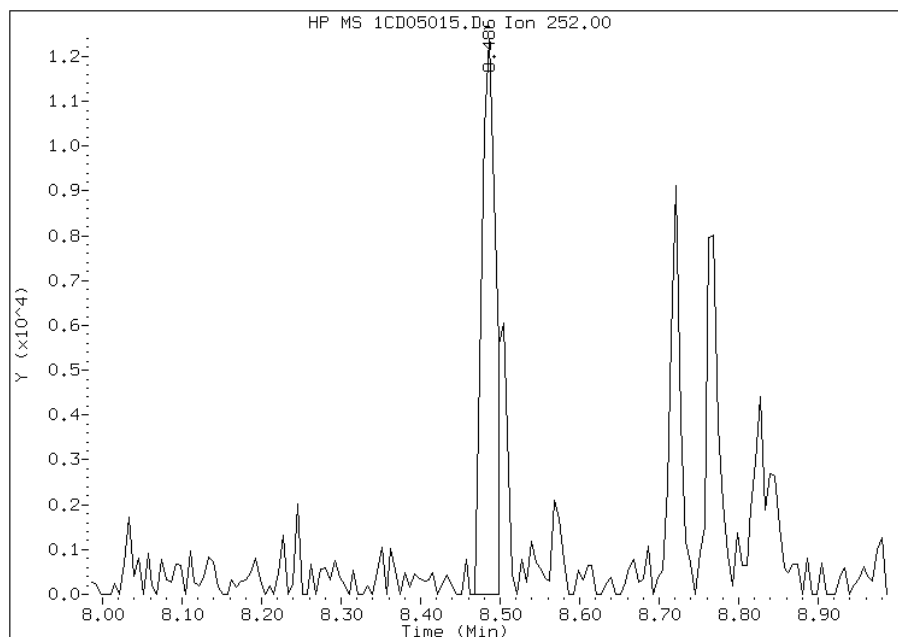
Processing Integration Results

RT: 8.49
Response: 18205
Amount: 1
Conc: 73



Manual Integration Results

RT: 8.49
Response: 14934
Amount: 1
Conc: 60



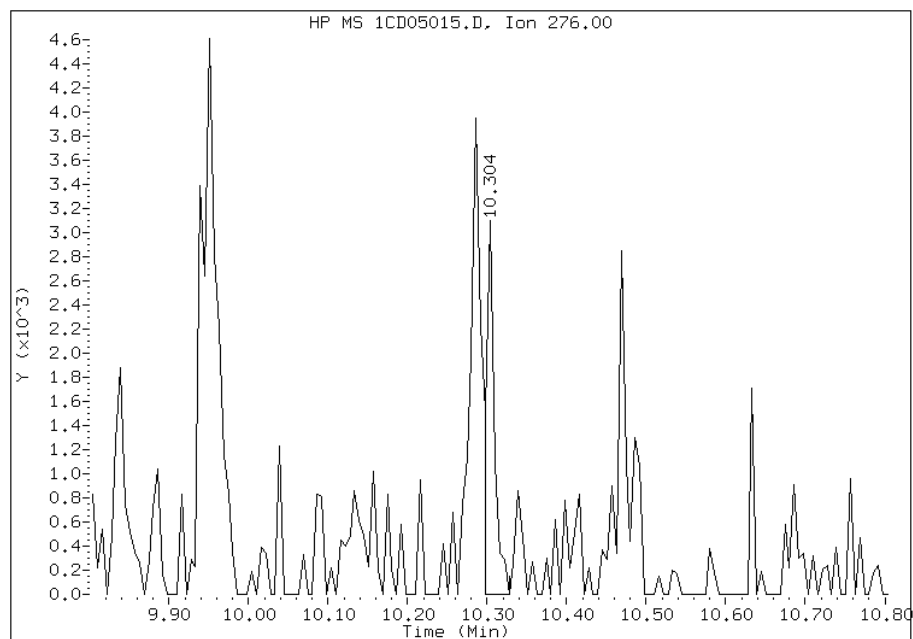
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:06
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05015.D
Inj. Date and Time: 05-APR-2013 15:39
Instrument ID: BSMC5973.i
Client ID: CV0509Z-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/09/2013

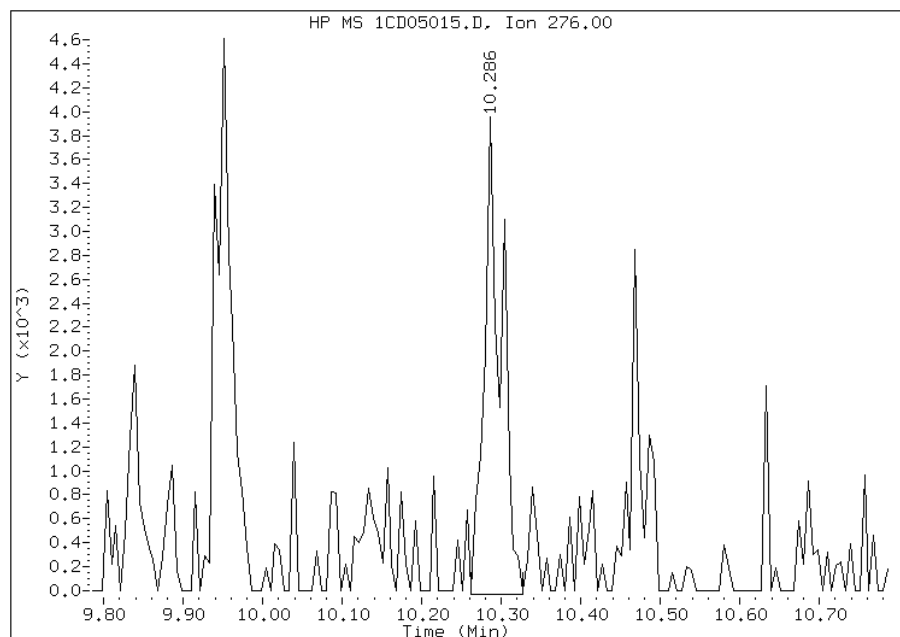
Processing Integration Results

RT: 10.30
Response: 2240
Amount: 0
Conc: 10



Manual Integration Results

RT: 10.29
Response: 5918
Amount: 0
Conc: 26



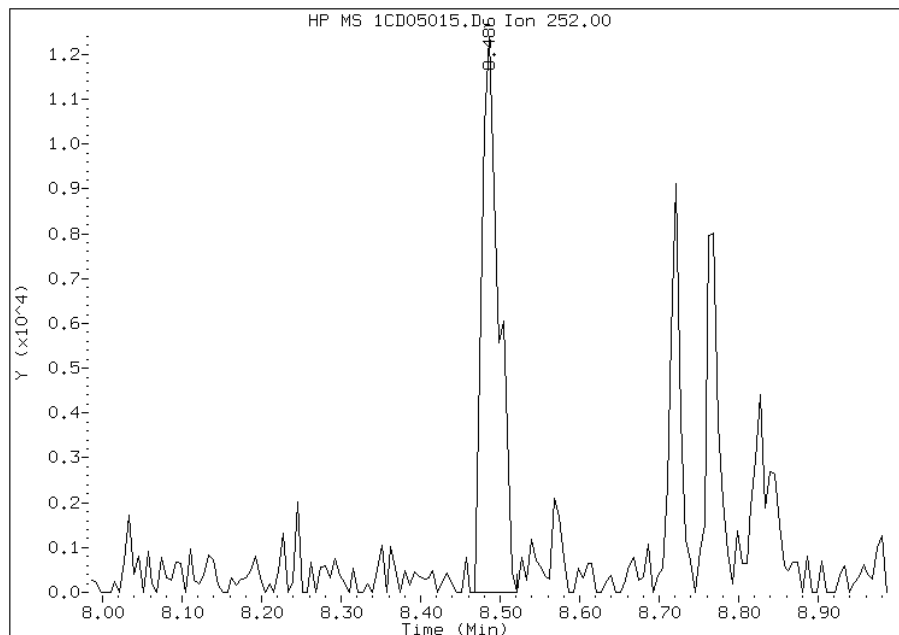
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:06
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05015.D
Inj. Date and Time: 05-APR-2013 15:39
Instrument ID: BSMC5973.i
Client ID: CV0509Z-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

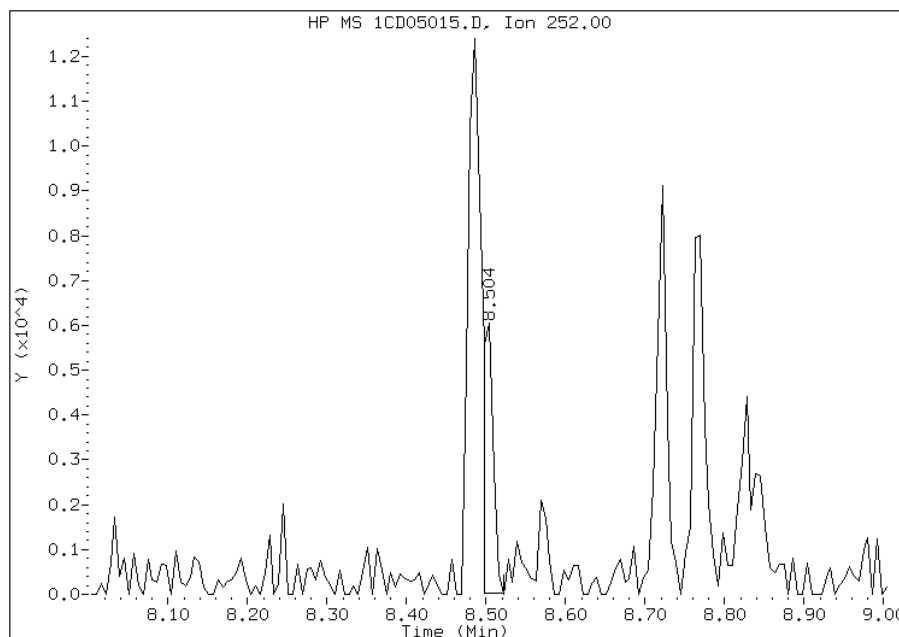
Processing Integration Results

RT: 8.49
Response: 18205
Amount: 1
Conc: 75



Manual Integration Results

RT: 8.50
Response: 5206
Amount: 0
Conc: 22



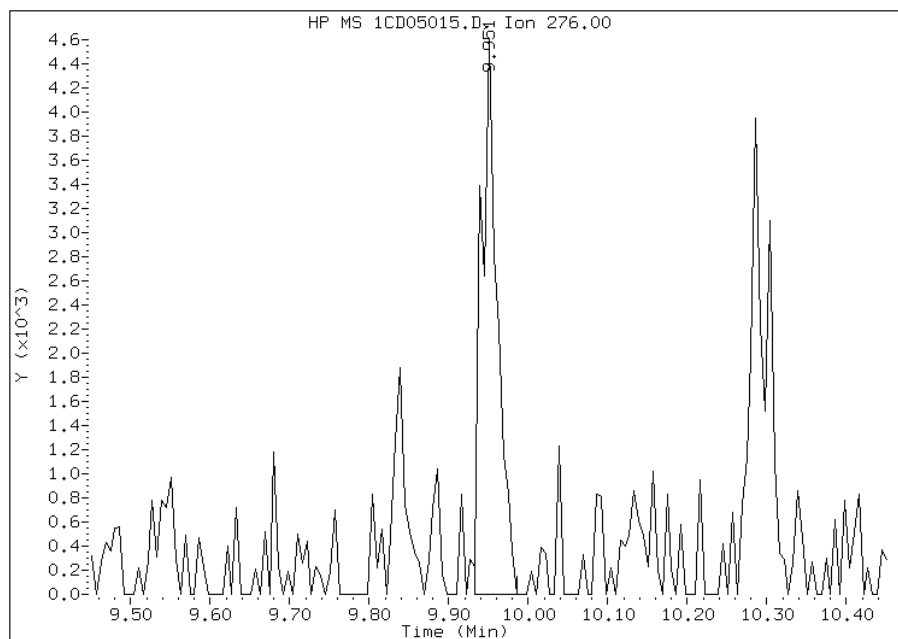
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:06
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05015.D
Inj. Date and Time: 05-APR-2013 15:39
Instrument ID: BSMC5973.i
Client ID: CV0509Z-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

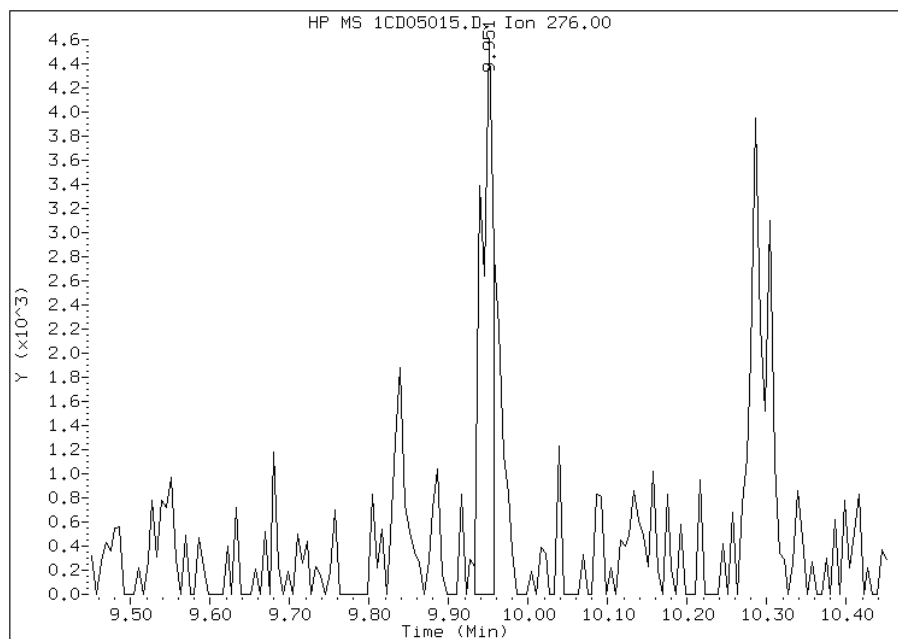
Processing Integration Results

RT: 9.95
Response: 6437
Amount: 0
Conc: 29



Manual Integration Results

RT: 9.95
Response: 4824
Amount: 0
Conc: 22



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:06
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509AA-CS Lab Sample ID: 680-88767-37
 Matrix: Solid Lab File ID: 1CD05016.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 14:20
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.02(g) Date Analyzed: 04/05/2013 15:57
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 23.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	520	U	520	100
208-96-8	Acenaphthylene	36	J	210	26
120-12-7	Anthracene	52		44	22
56-55-3	Benzo[a]anthracene	220		42	20
50-32-8	Benzo[a]pyrene	170		54	27
205-99-2	Benzo[b]fluoranthene	290		64	32
191-24-2	Benzo[g,h,i]perylene	160		100	23
207-08-9	Benzo[k]fluoranthene	87		42	19
218-01-9	Chrysene	280		47	24
53-70-3	Dibenz(a,h)anthracene	60	J	100	21
206-44-0	Fluoranthene	280		100	21
86-73-7	Fluorene	100	U	100	21
193-39-5	Indeno[1,2,3-cd]pyrene	120		100	37
90-12-0	1-Methylnaphthalene	110	J	210	23
91-57-6	2-Methylnaphthalene	130	J	210	37
91-20-3	Naphthalene	94	J	210	23
85-01-8	Phenanthrene	200		42	20
129-00-0	Pyrene	240		100	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	87		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05016.D
 Lab Smp Id: 680-88767-A-37-A Client Smp ID: CV0509AA-CS
 Inj Date : 05-APR-2013 15:57
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-37-a
 Misc Info : 680-88767-A-37-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 15
 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	15.020	Weight Extracted
M	23.696	% 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		3.692	3.692	(1.000)	507429	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	376069	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	719949	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	17083	2.17909	760.5298
* 18 Chrysene-d12	240		7.656	7.662	(1.000)	840802	40.0000	
* 23 Perylene-d12	264		8.821	8.827	(1.000)	838586	40.0000	
2 Naphthalene	128		3.704	3.704	(1.003)	3502	0.26870	93.7790(Q)
3 2-Methylnaphthalene	142		4.127	4.133	(1.118)	3281	0.36982	129.0713
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	2565	0.32131	112.1404
5 Acenaphthylene	152		4.692	4.692	(0.982)	1595	0.10248	35.7654
11 Phenanthrene	178		5.739	5.739	(1.003)	12052	0.57477	200.6030
12 Anthracene	178		5.768	5.774	(1.008)	3181	0.14965	52.2311
13 Carbazole	167		5.880	5.880	(1.028)	1828	0.10038	35.0340(Q)
15 Fluoranthene	202		6.568	6.574	(1.148)	18263	0.78867	275.2543

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
16 Pyrene	202	6.739	6.739 (0.880)		16257	0.69800	243.6102
17 Benzo(a)anthracene	228	7.651	7.651 (0.999)		12034	0.62959	219.7348
19 Chrysene	228	7.674	7.680 (1.002)		19430	0.81096	283.0359
20 Benzo(b)fluoranthene	252	8.480	8.486 (0.961)		19506	0.82278	287.1590(M)
21 Benzo(k)fluoranthene	252	8.503	8.509 (0.964)		5702	0.24868	86.7908(QM)
22 Benzo(a)pyrene	252	8.768	8.774 (0.994)		11095	0.49709	173.4890
24 Indeno(1,2,3-cd)pyrene	276	9.950	9.962 (1.128)		6996	0.33000	115.1748(M)
25 Dibenzo(a,h)anthracene	278	9.962	9.980 (1.129)		3358	0.17147	59.8449
26 Benzo(g,h,i)perylene	276	10.292	10.303 (1.167)		9629	0.44503	155.3192(M)

QC Flag Legend

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

Data File: 1CD05016.D

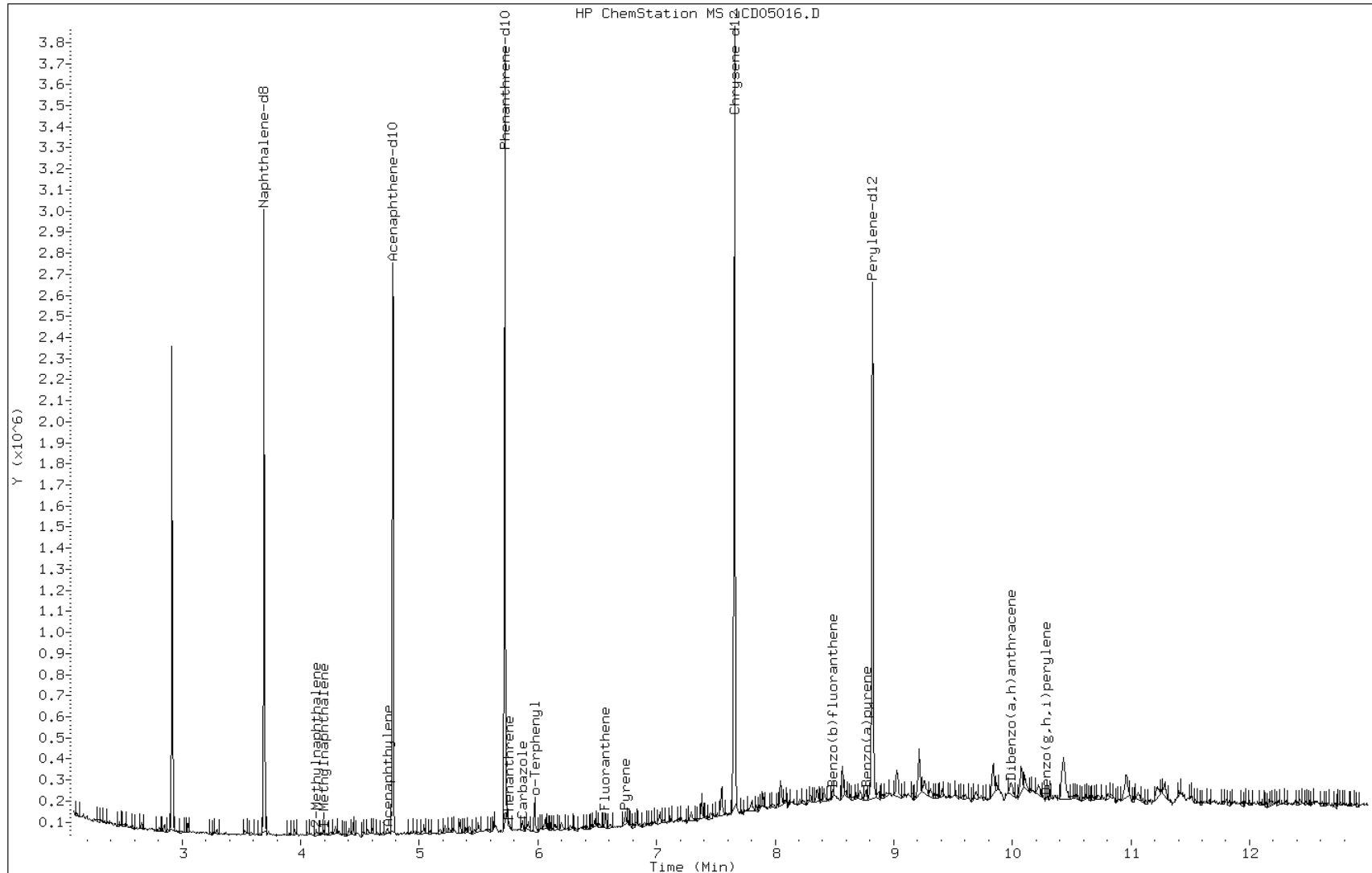
Date: 05-APR-2013 15:57

Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

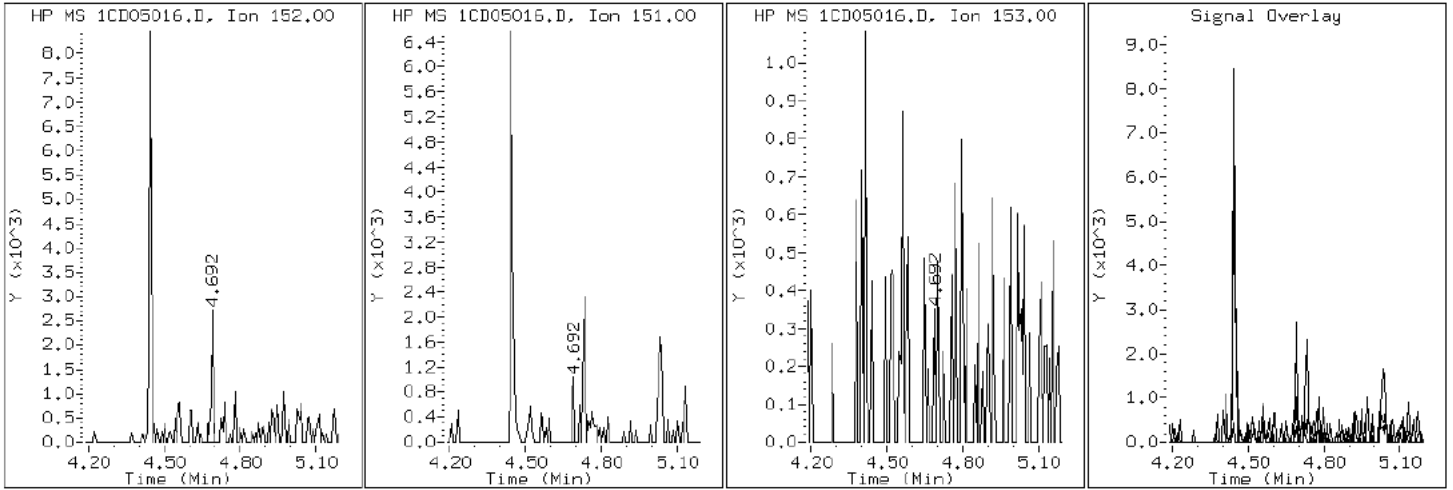
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

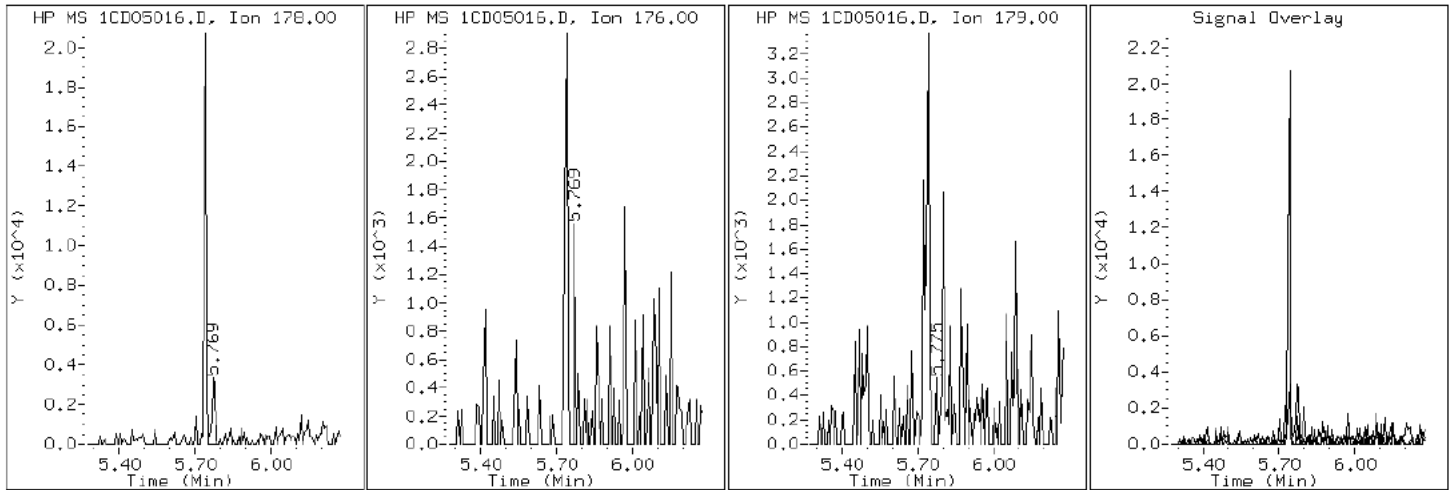
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

12 Anthracene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

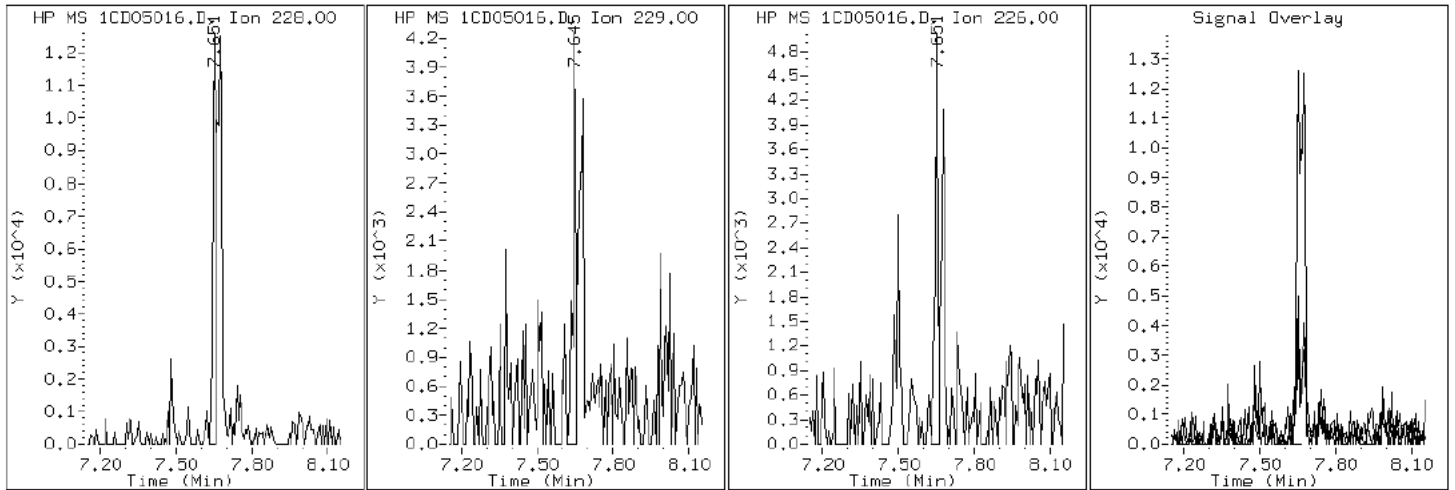
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

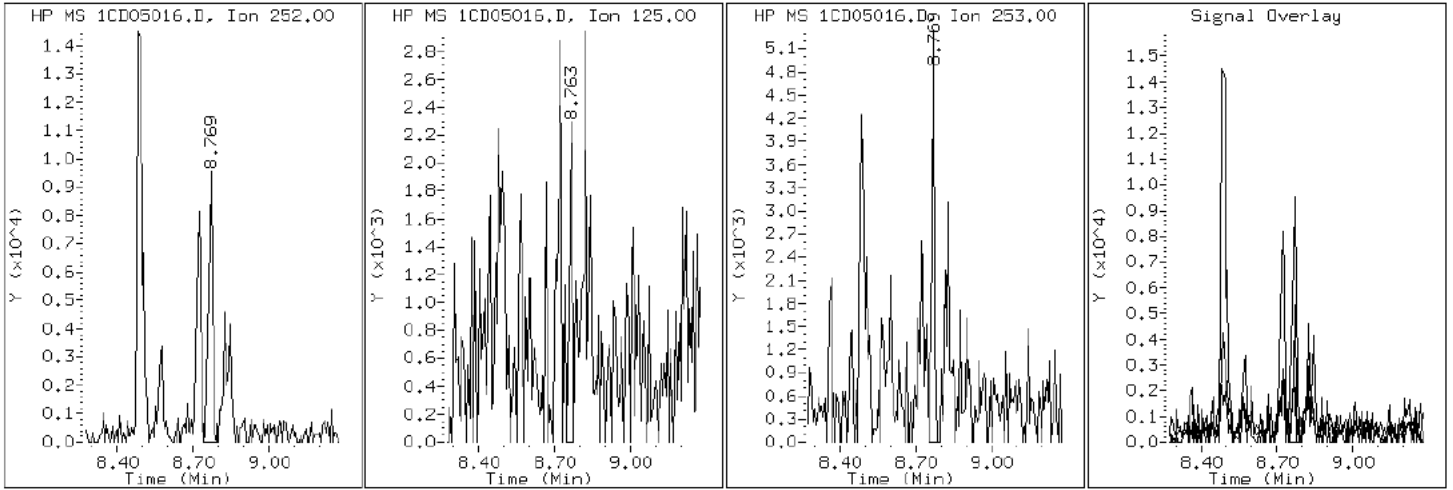
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

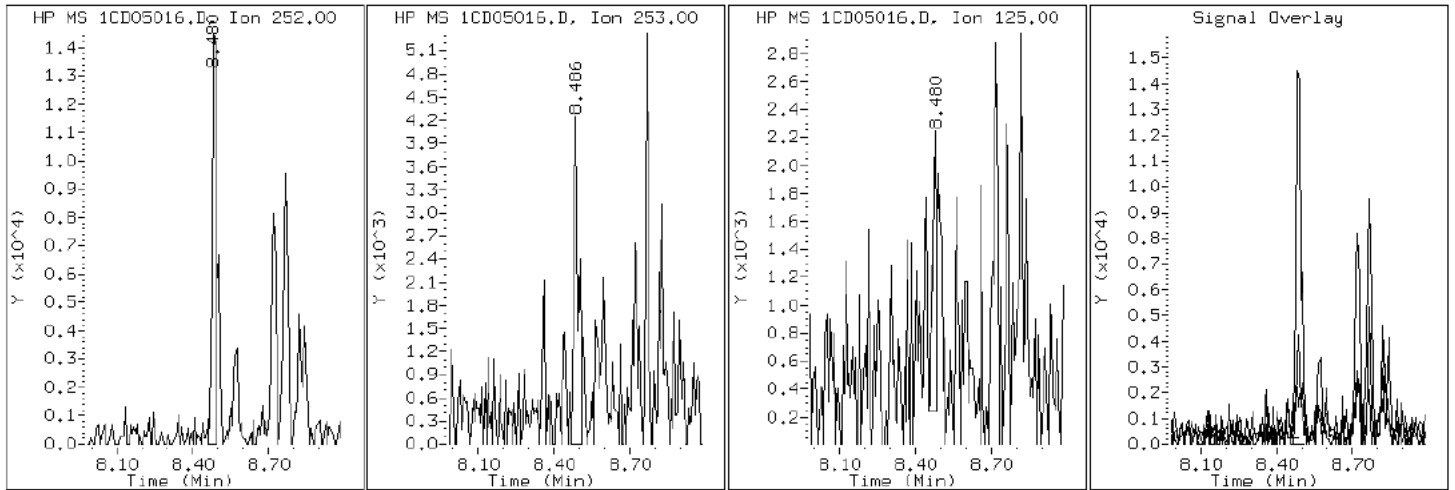
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

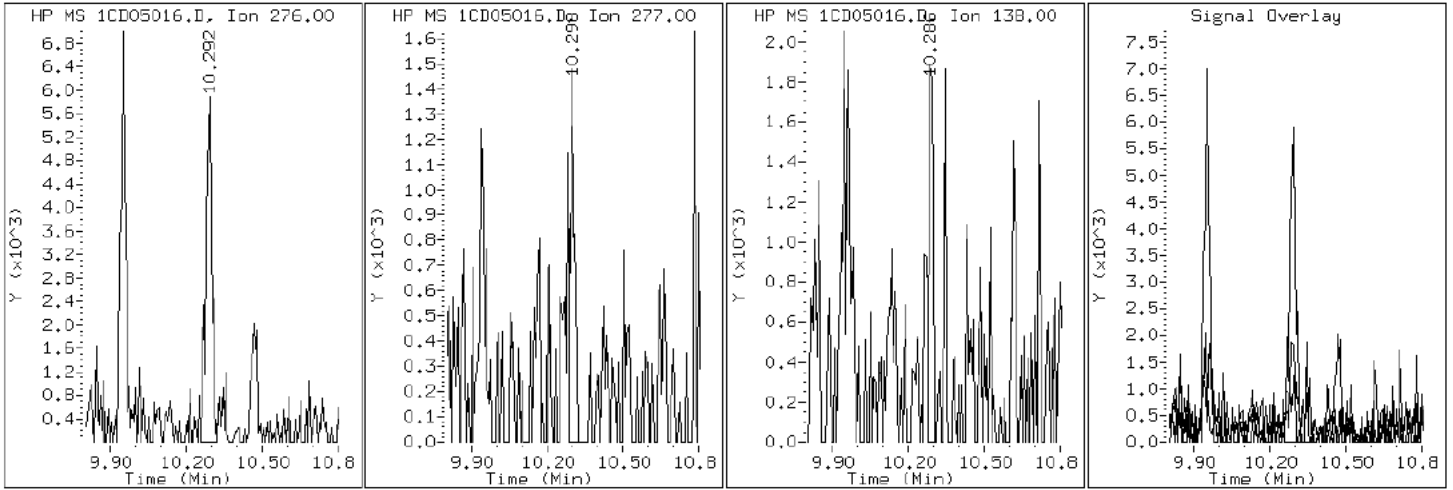
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

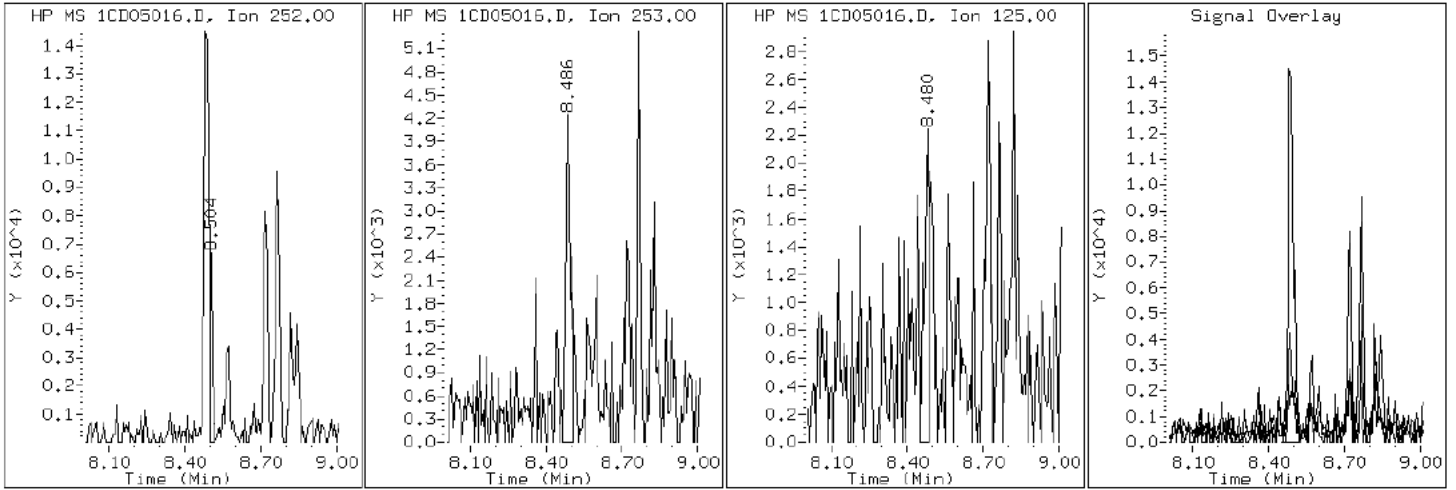
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

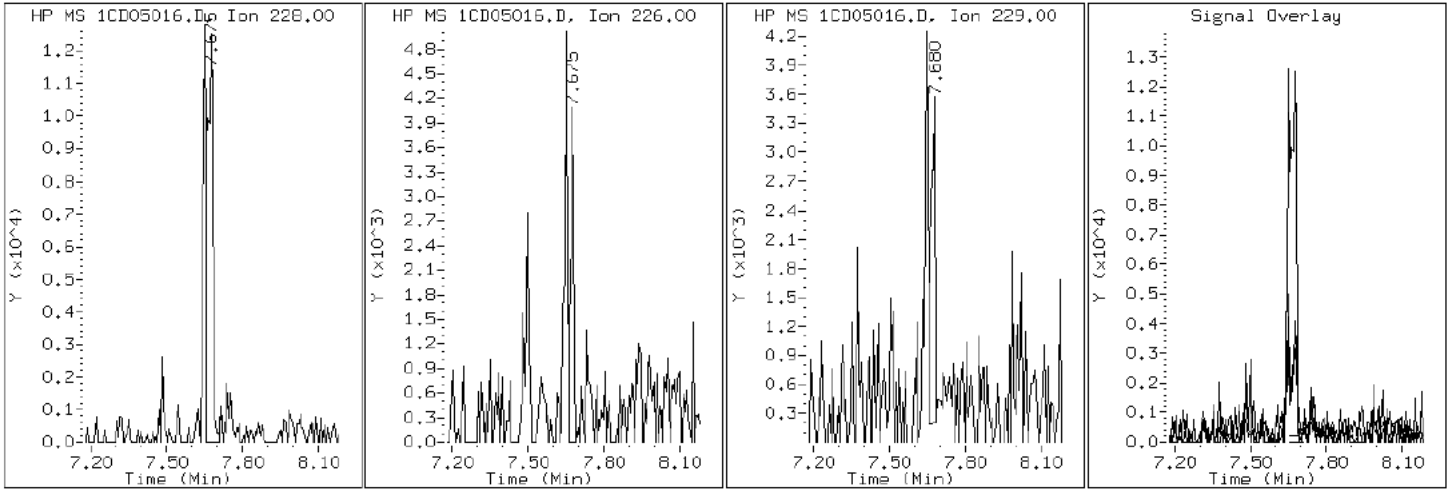
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

19 Chrysene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

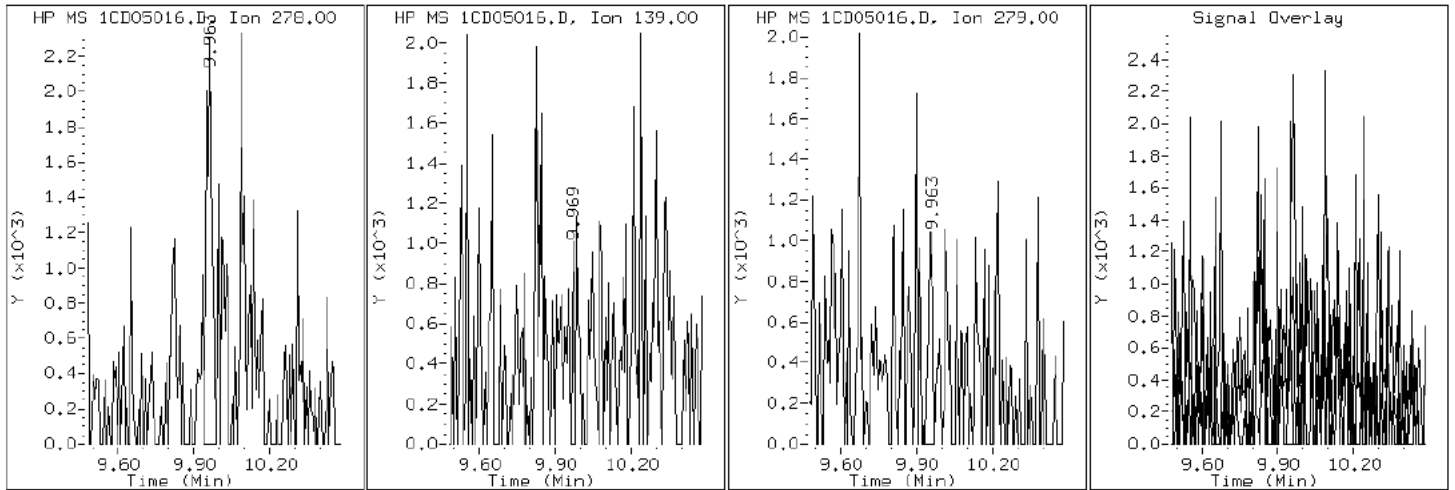
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

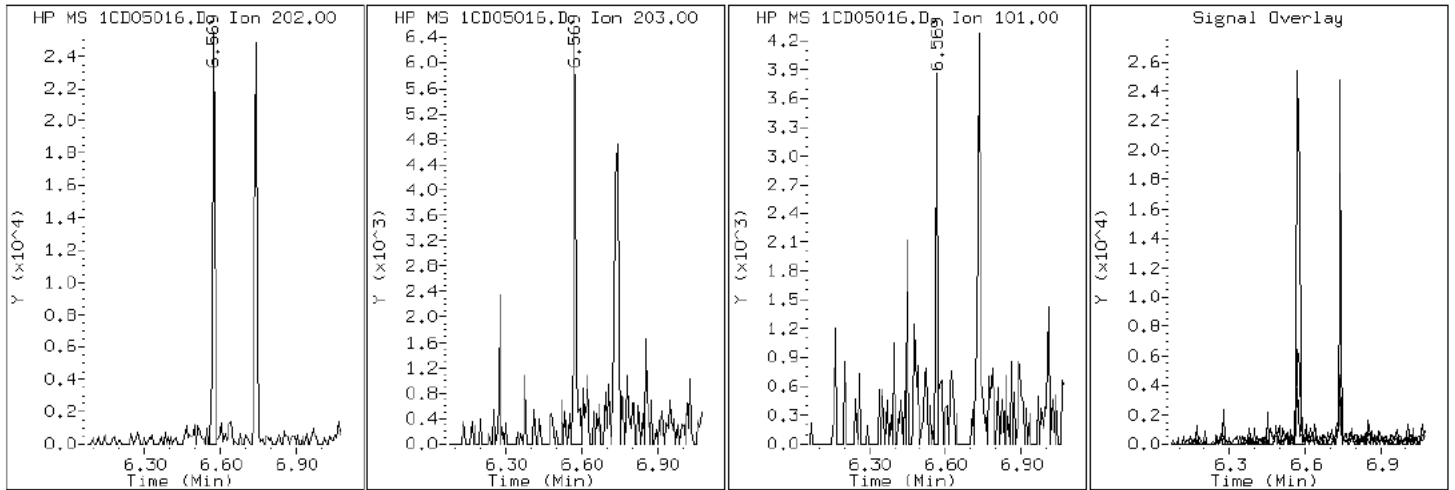
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

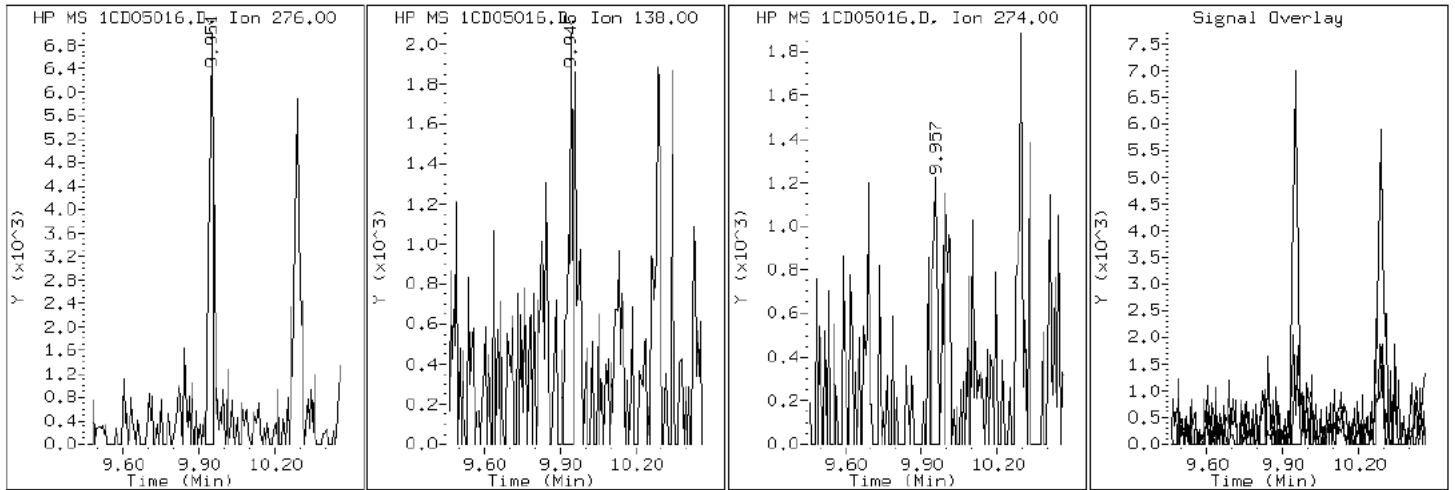
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

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



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

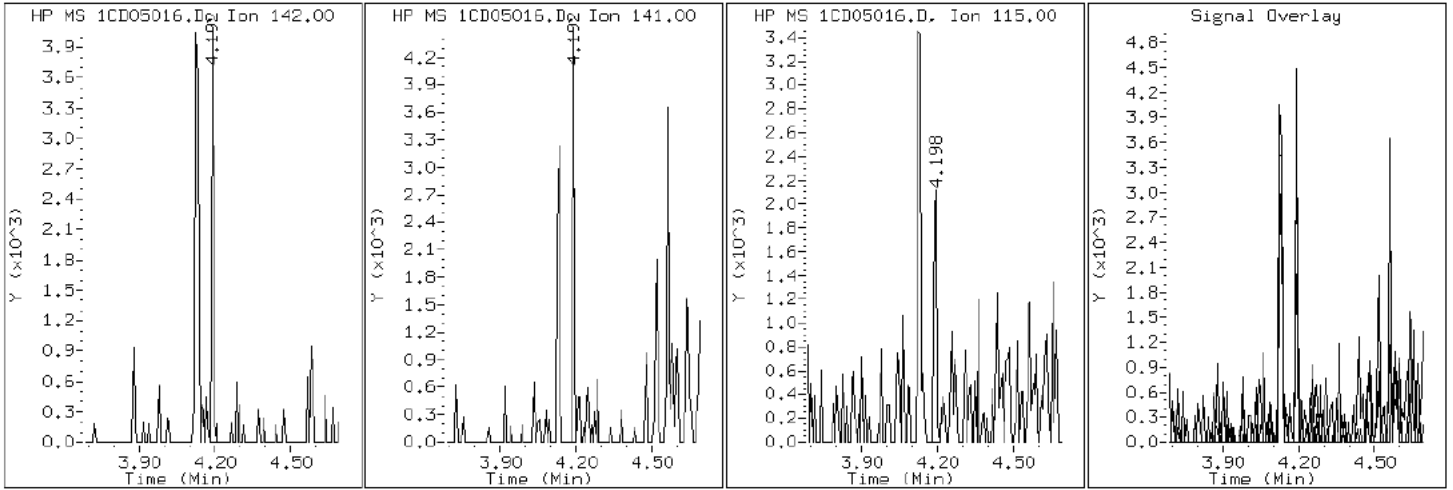
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

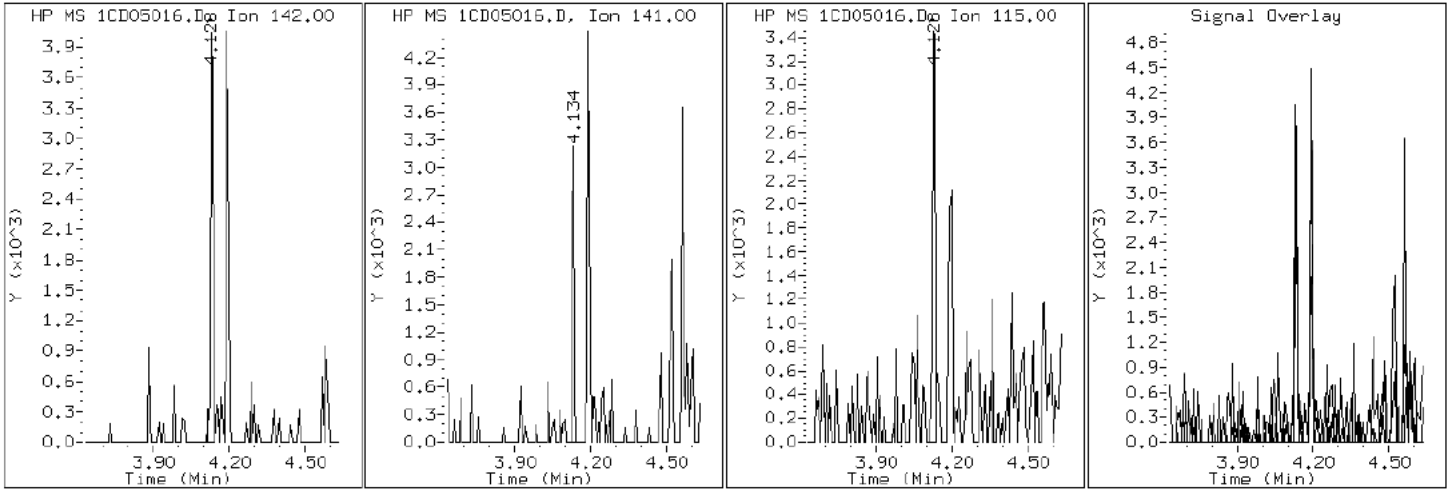
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

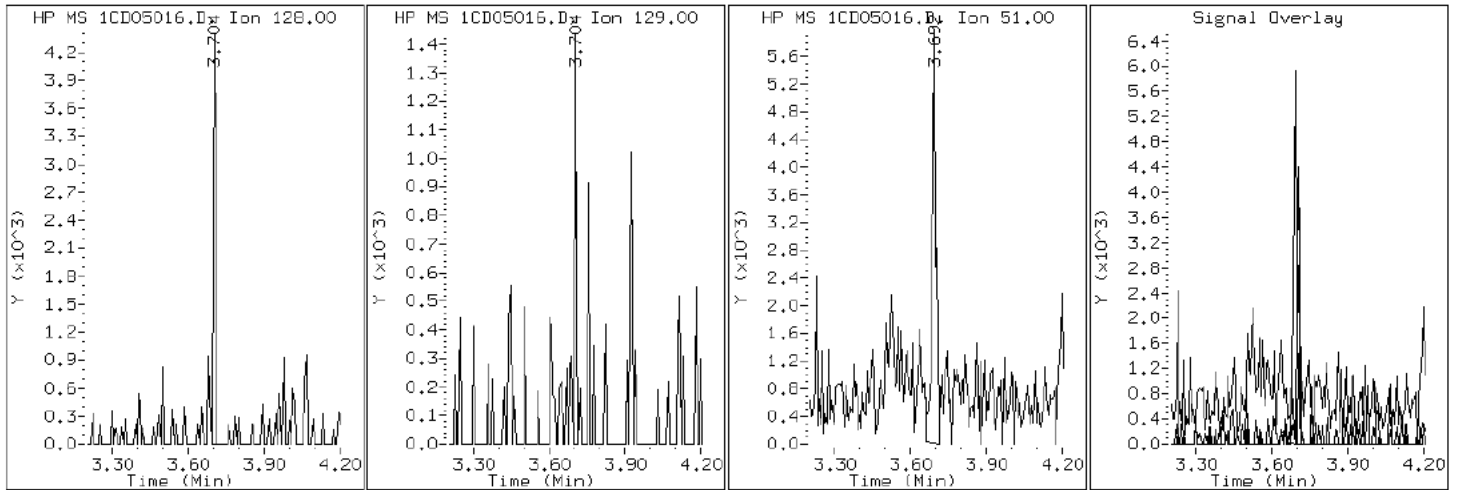
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

2 Naphthalene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

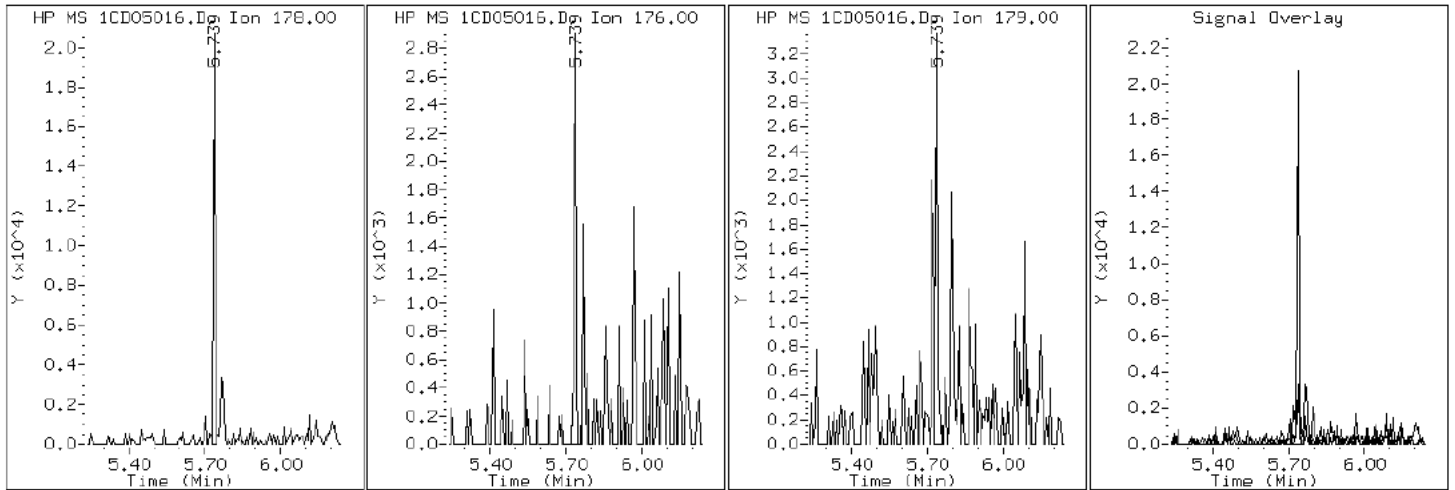
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05016.D

Date: 05-APR-2013 15:57

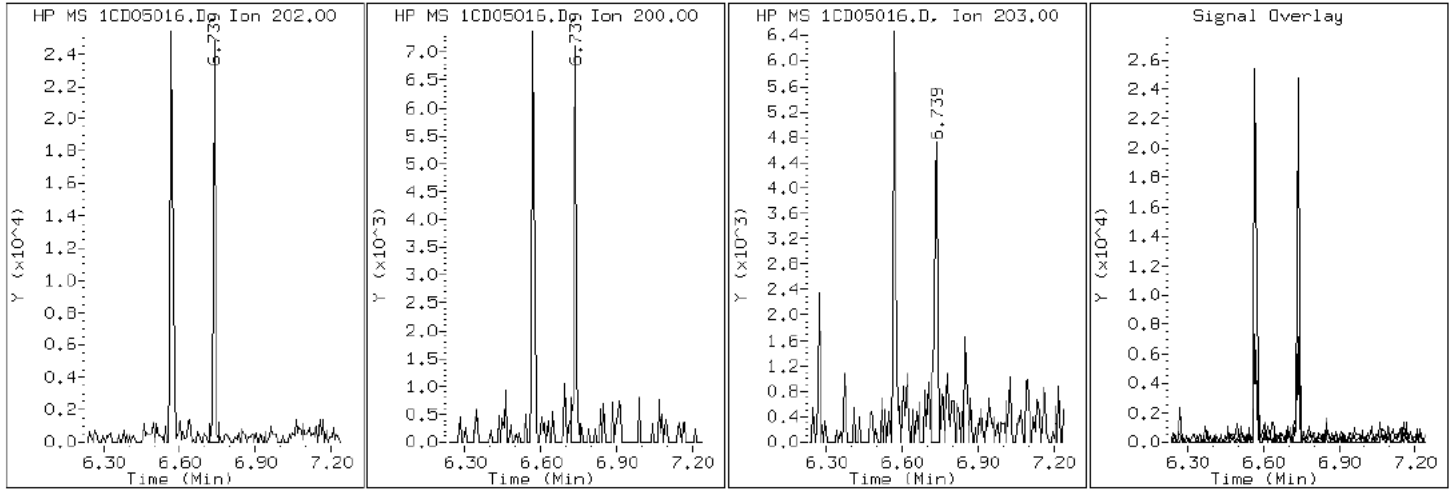
Client ID: CV0509AA-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-37-a

Operator: SCC

16 Pyrene

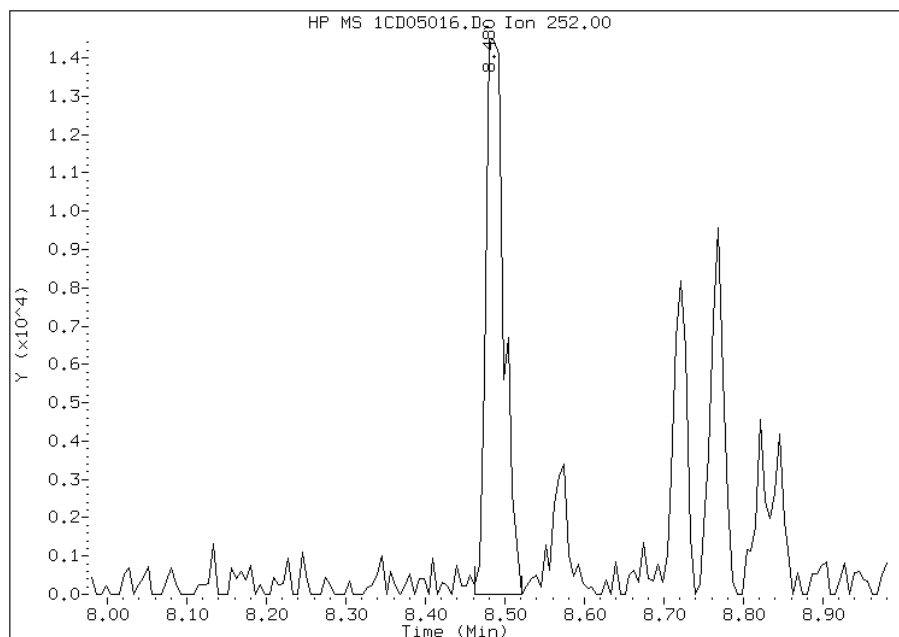


Manual Integration Report

Data File: 1CD05016.D
Inj. Date and Time: 05-APR-2013 15:57
Instrument ID: BSMC5973.i
Client ID: CV0509AA-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

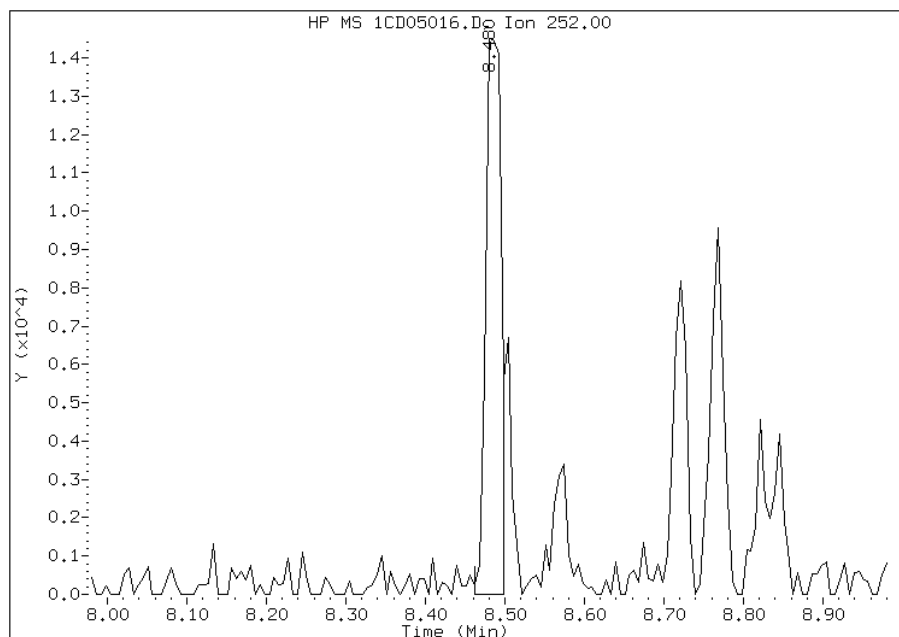
Processing Integration Results

RT: 8.48
Response: 23256
Amount: 1
Conc: 342



Manual Integration Results

RT: 8.48
Response: 19506
Amount: 1
Conc: 287



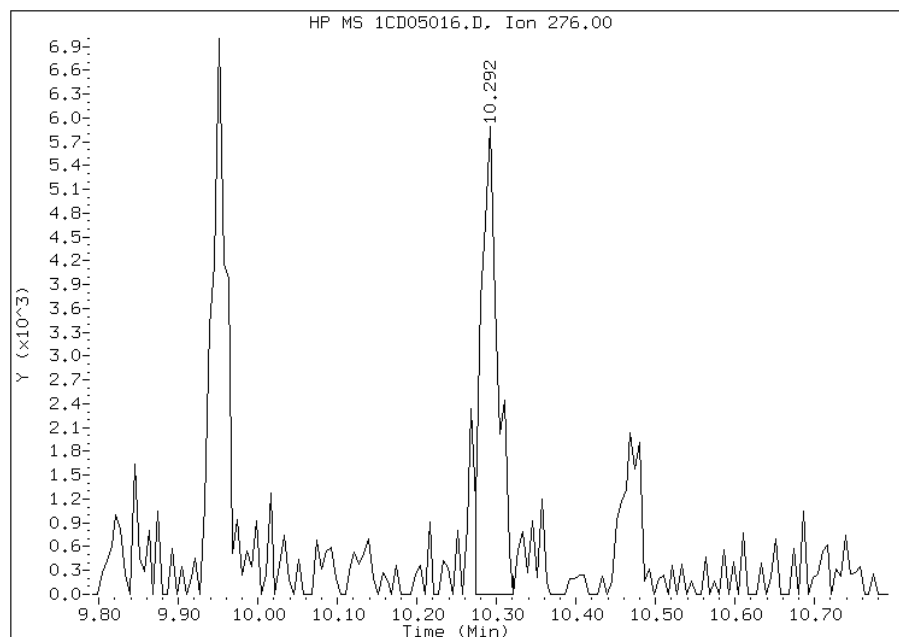
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:07
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05016.D
Inj. Date and Time: 05-APR-2013 15:57
Instrument ID: BSMC5973.i
Client ID: CV0509AA-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/09/2013

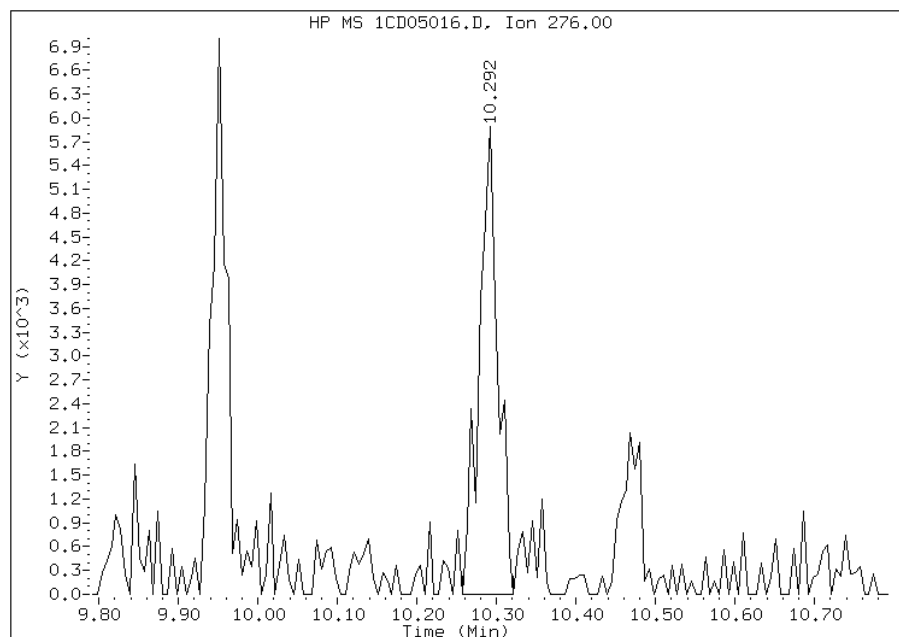
Processing Integration Results

RT: 10.29
Response: 8512
Amount: 0
Conc: 137



Manual Integration Results

RT: 10.29
Response: 9629
Amount: 0
Conc: 155



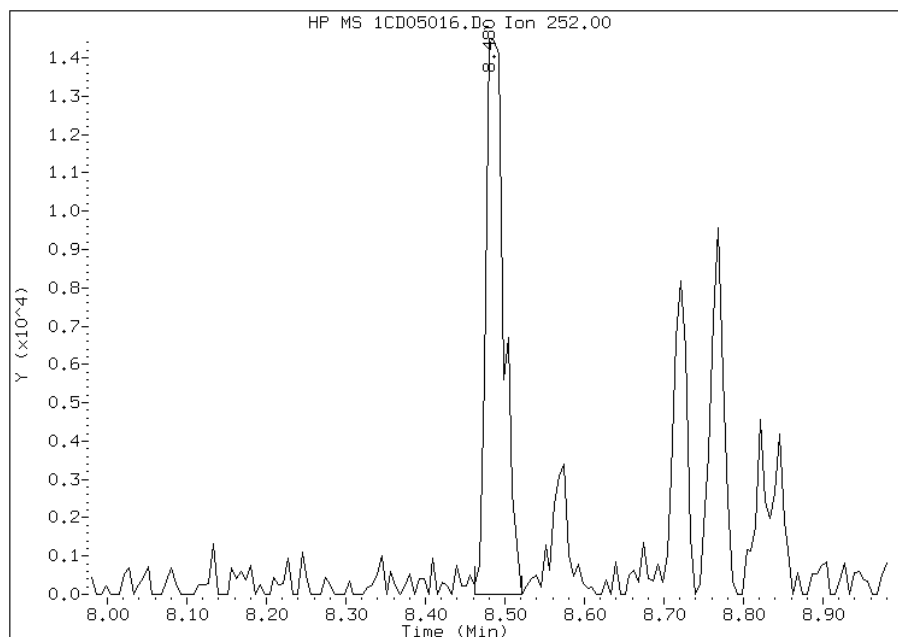
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:07
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05016.D
Inj. Date and Time: 05-APR-2013 15:57
Instrument ID: BSMC5973.i
Client ID: CV0509AA-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

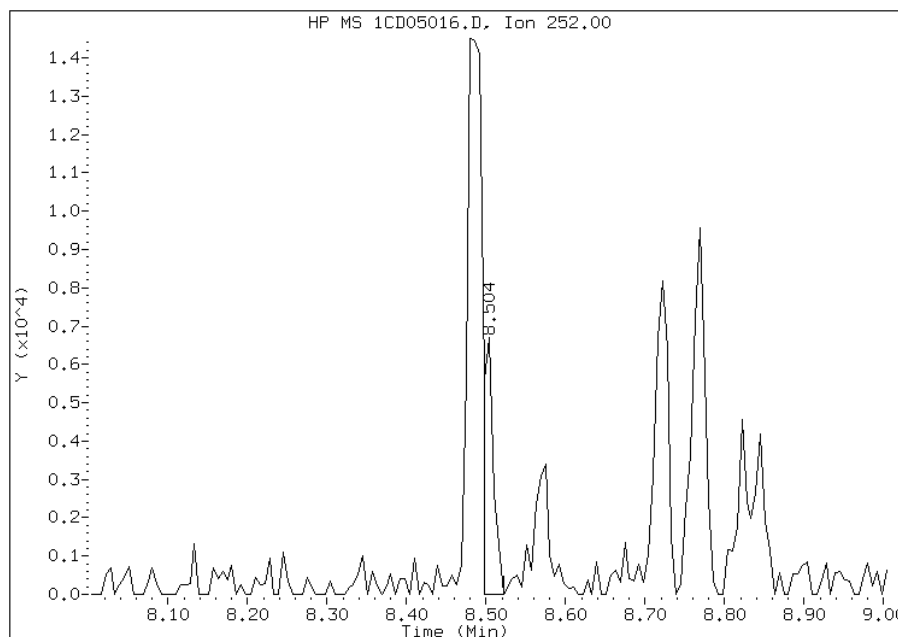
Processing Integration Results

RT: 8.48
Response: 23256
Amount: 1
Conc: 354



Manual Integration Results

RT: 8.50
Response: 5702
Amount: 0
Conc: 87



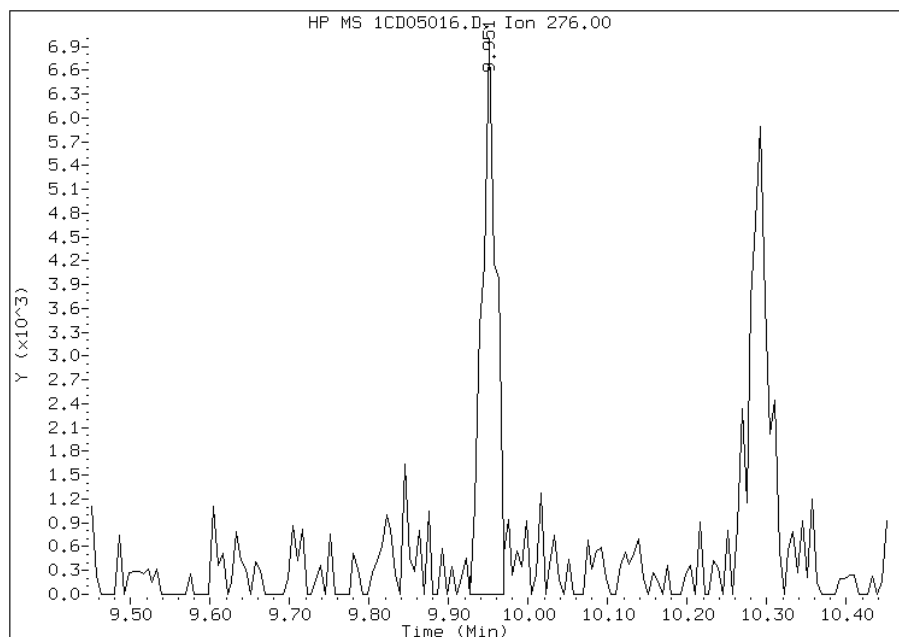
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:07
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05016.D
Inj. Date and Time: 05-APR-2013 15:57
Instrument ID: BSMC5973.i
Client ID: CV0509AA-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

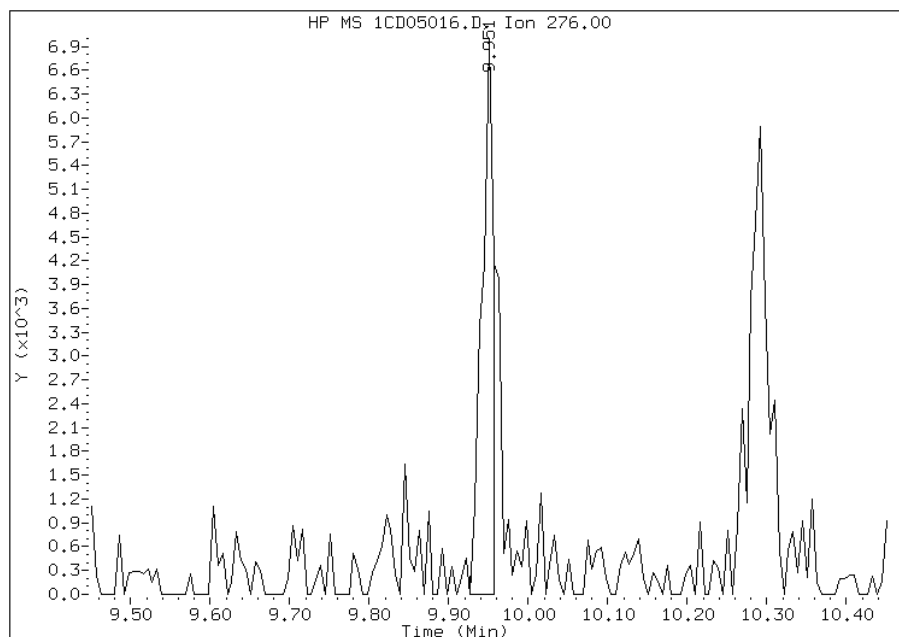
Processing Integration Results

RT: 9.95
Response: 8582
Amount: 0
Conc: 141



Manual Integration Results

RT: 9.95
Response: 6996
Amount: 0
Conc: 115



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:08
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509BB-CS Lab Sample ID: 680-88767-38
 Matrix: Solid Lab File ID: 1CD05017.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 14:35
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.00(g) Date Analyzed: 04/05/2013 16:20
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 21.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	510	U	510	100
208-96-8	Acenaphthylene	200	U	200	26
120-12-7	Anthracene	78		43	21
56-55-3	Benzo[a]anthracene	530		41	20
50-32-8	Benzo[a]pyrene	360		53	27
205-99-2	Benzo[b]fluoranthene	710		62	31
191-24-2	Benzo[g,h,i]perylene	350		100	22
207-08-9	Benzo[k]fluoranthene	230		41	18
218-01-9	Chrysene	410		46	23
53-70-3	Dibenz(a,h)anthracene	110		100	21
206-44-0	Fluoranthene	710		100	20
86-73-7	Fluorene	24	J	100	21
193-39-5	Indeno[1,2,3-cd]pyrene	260		100	36
90-12-0	1-Methylnaphthalene	90	J	200	22
91-57-6	2-Methylnaphthalene	82	J	200	36
91-20-3	Naphthalene	90	J	200	22
85-01-8	Phenanthrene	380		41	20
129-00-0	Pyrene	580		100	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	94		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05017.D
 Lab Smp Id: 680-88767-A-38-A Client Smp ID: CV0509BB-CS
 Inj Date : 05-APR-2013 16:20
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-38-a
 Misc Info : 680-88767-A-38-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 16
 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	15.000	Weight Extracted
M	21.611	% 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		3.692	3.692	(1.000)	499679	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	377788	40.0000	
* 10 Phenanthrene-d10	188		5.727	5.721	(1.000)	740739	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.043)	19717	2.35615	801.5224
* 18 Chrysene-d12	240		7.662	7.662	(1.000)	833006	40.0000	
* 23 Perylene-d12	264		8.833	8.827	(1.000)	786700	40.0000	
2 Naphthalene	128		3.704	3.704	(1.003)	3385	0.26375	89.7232(Q)
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	2113	0.24186	82.2773
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	2073	0.26370	89.7080
9 Fluorene	166		5.115	5.116	(1.070)	906	0.07018	23.8733(Q)
11 Phenanthrene	178		5.739	5.739	(1.002)	24173	1.12048	381.1696
12 Anthracene	178		5.774	5.774	(1.008)	5046	0.23073	78.4915
13 Carbazole	167		5.880	5.880	(1.027)	3927	0.20959	71.2992
15 Fluoranthene	202		6.574	6.574	(1.148)	49670	2.08474	709.1949

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----		-----	-----	-----	-----	-----	-----
16 Pyrene	202		6.739	6.739	(0.879)	39337	1.70475	579.9290
17 Benzo(a)anthracene	228		7.651	7.651	(0.998)	34221	1.55345	528.4592
19 Chrysene	228		7.680	7.680	(1.002)	28463	1.19910	407.9133
20 Benzo(b)fluoranthene	252		8.492	8.486	(0.961)	46275	2.08065	707.8024
21 Benzo(k)fluoranthene	252		8.515	8.509	(0.964)	14228	0.66144	225.0101
22 Benzo(a)pyrene	252		8.774	8.774	(0.993)	22438	1.07158	364.5357
24 Indeno(1,2,3-cd)pyrene	276		9.962	9.962	(1.128)	15306	0.76960	261.8067(M)
25 Dibenzo(a,h)anthracene	278		9.968	9.980	(1.129)	5936	0.32310	109.9137(MH)
26 Benzo(g,h,i)perylene	276		10.303	10.303	(1.166)	20719	1.02073	347.2354

QC Flag Legend

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

Data File: 1CD05017.D

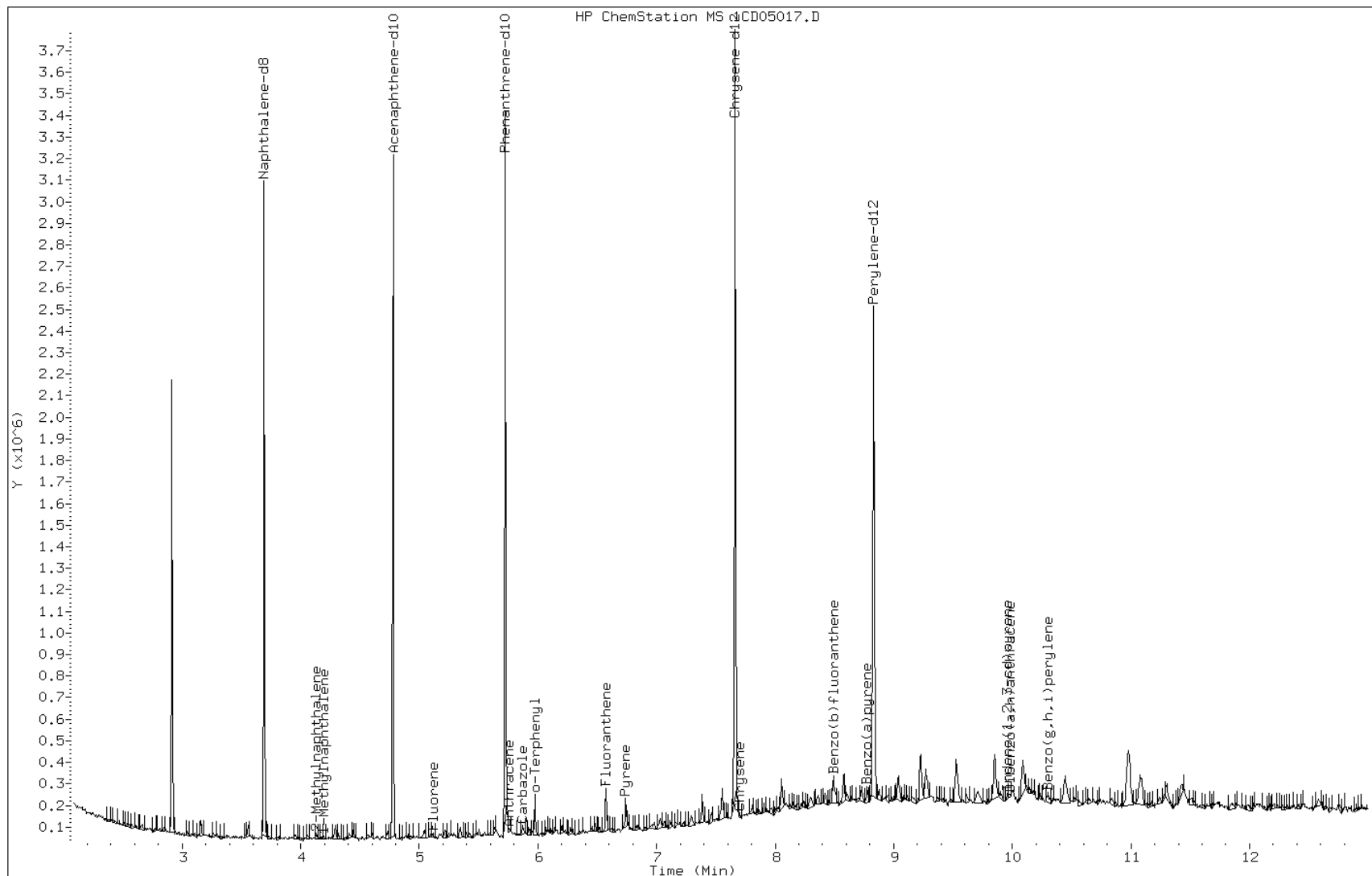
Date: 05-APR-2013 16:20

Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

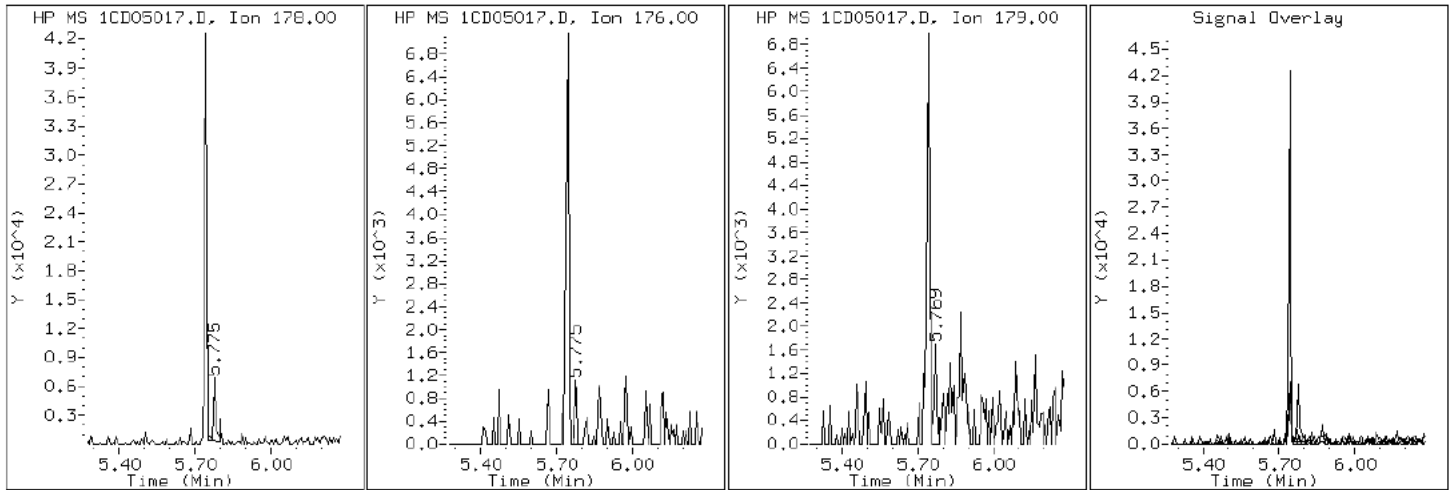
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

12 Anthracene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

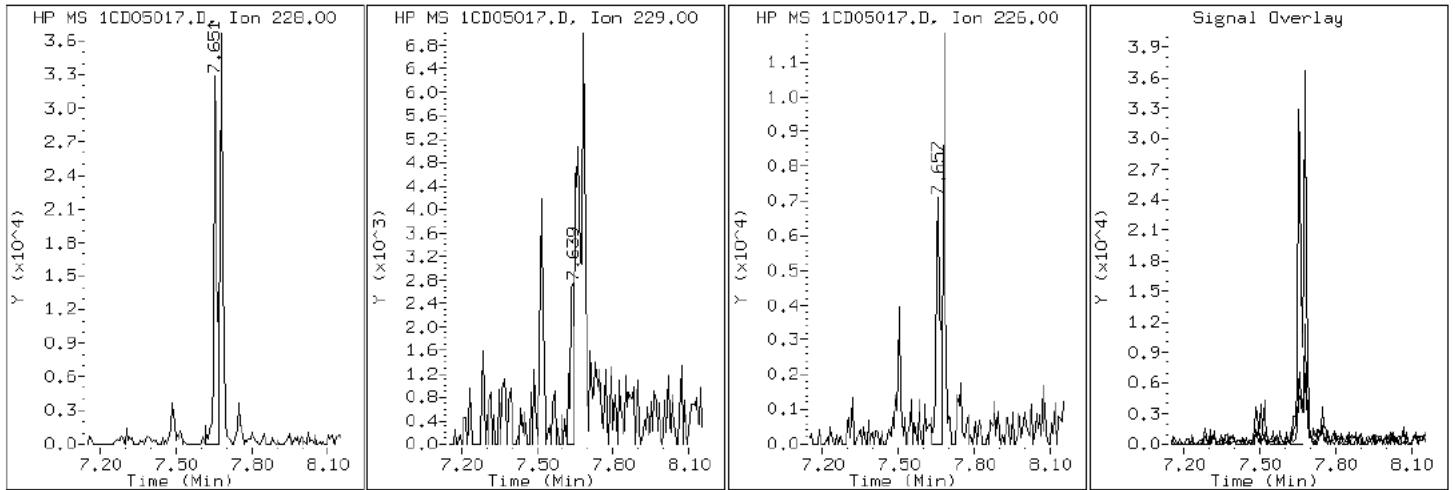
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

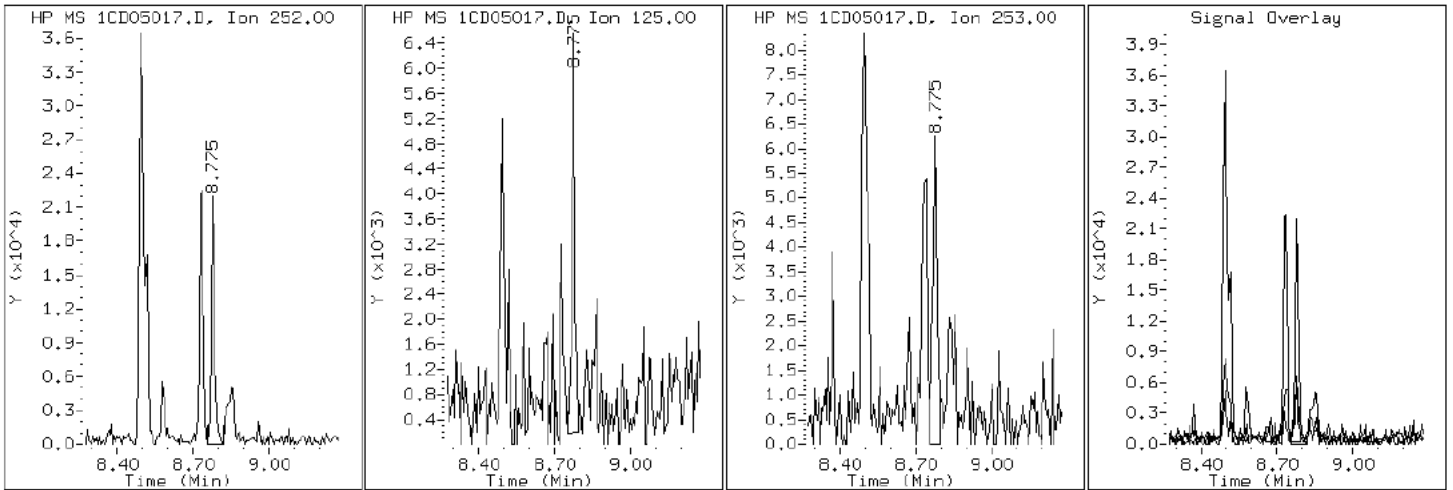
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

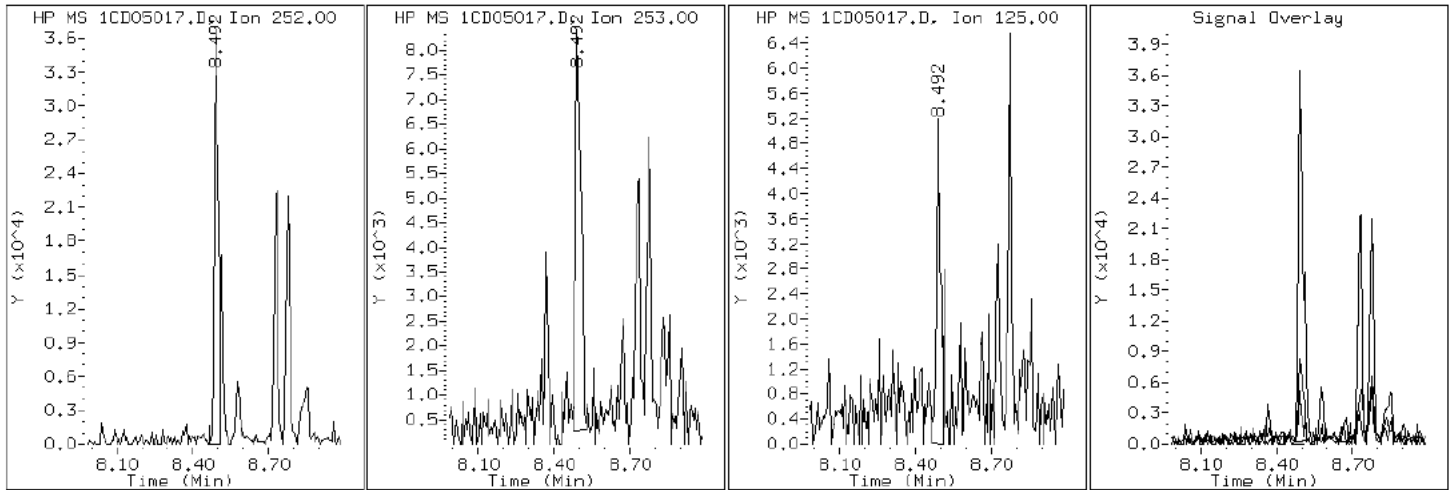
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

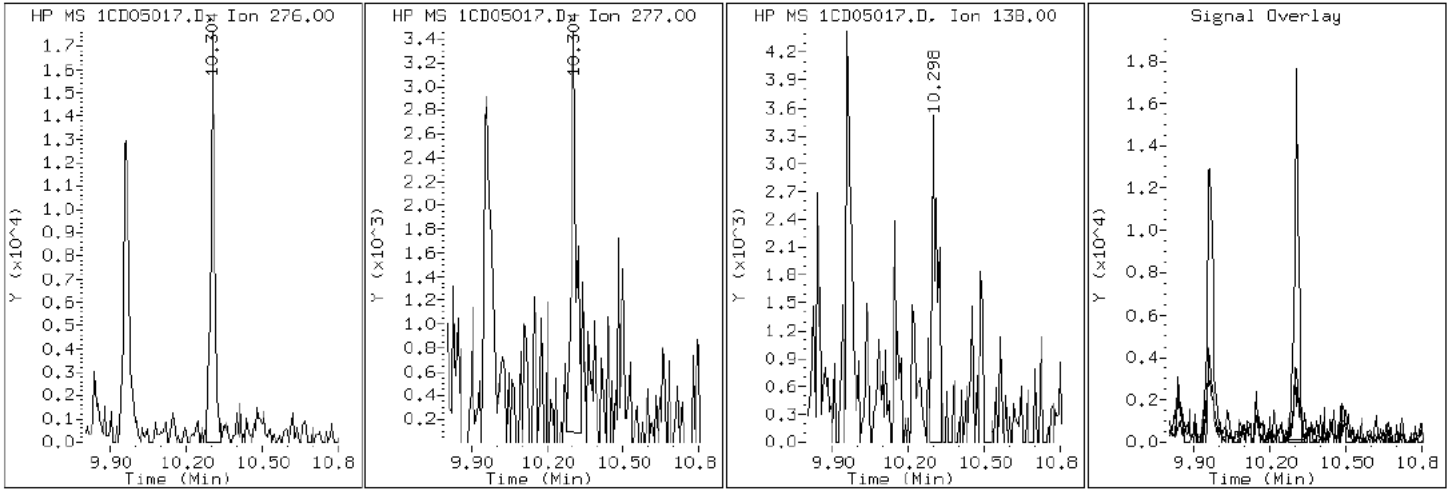
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

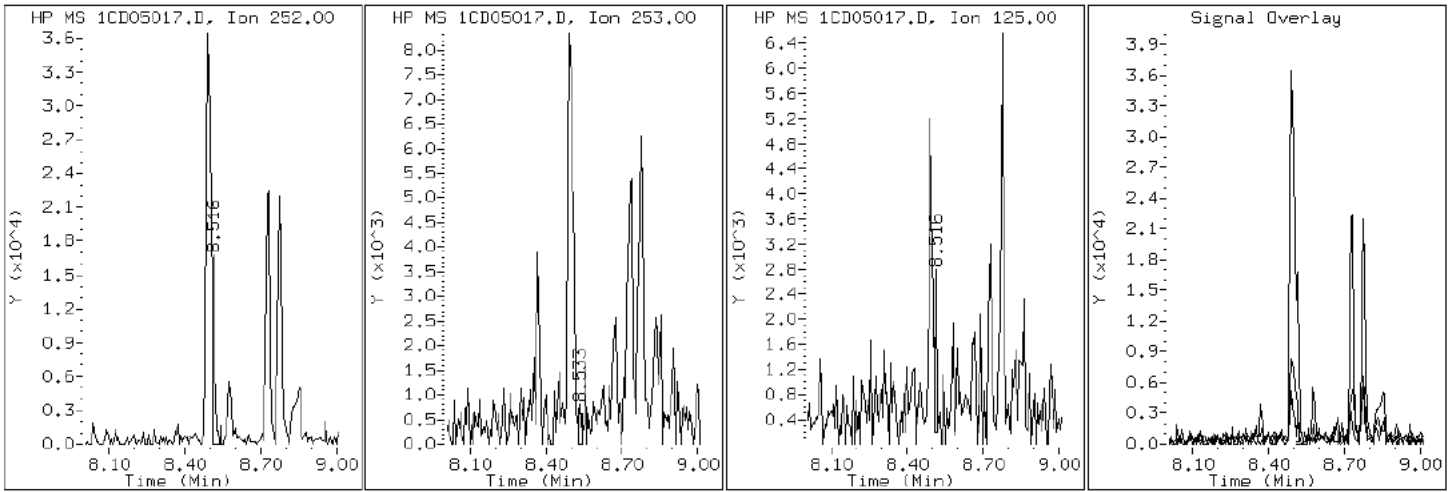
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

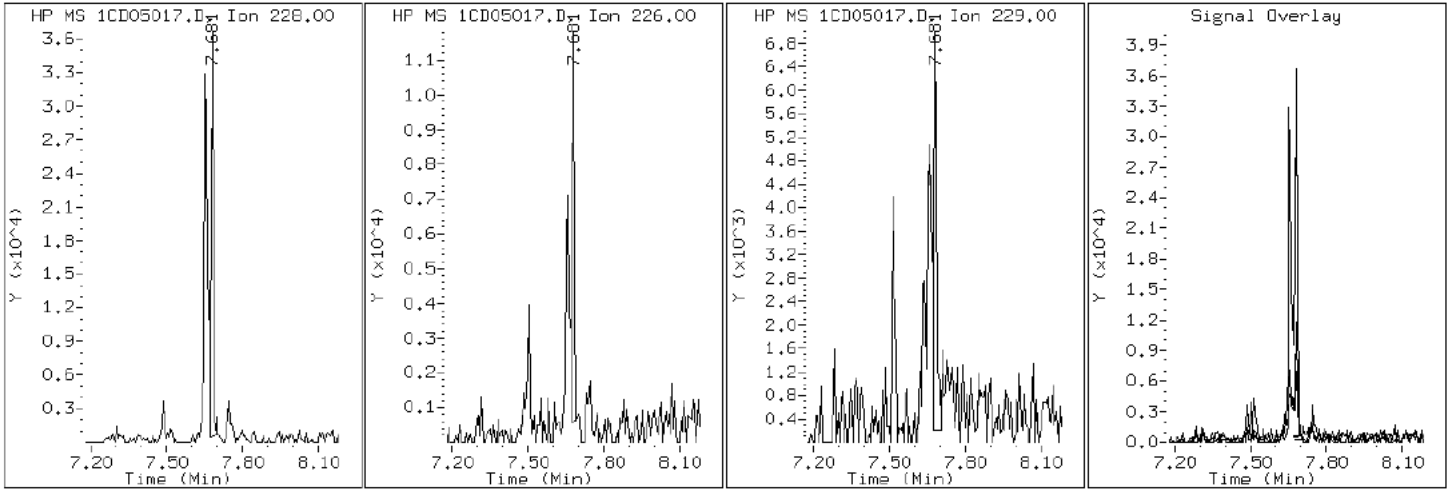
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

19 Chrysene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

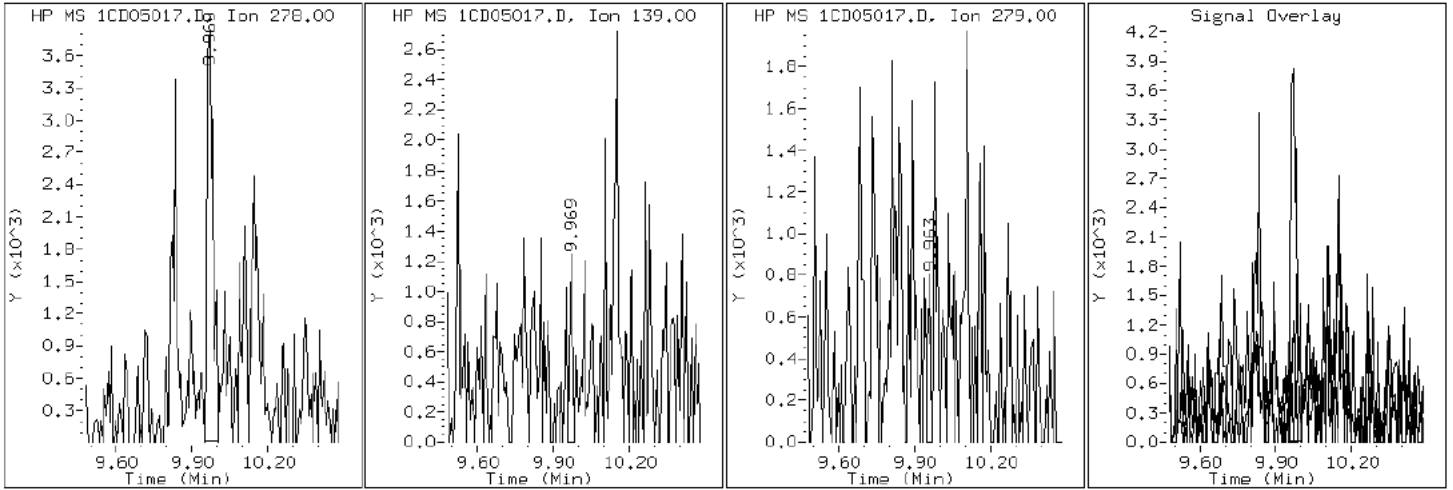
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

25 Dibenzo (a,h)anthracene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

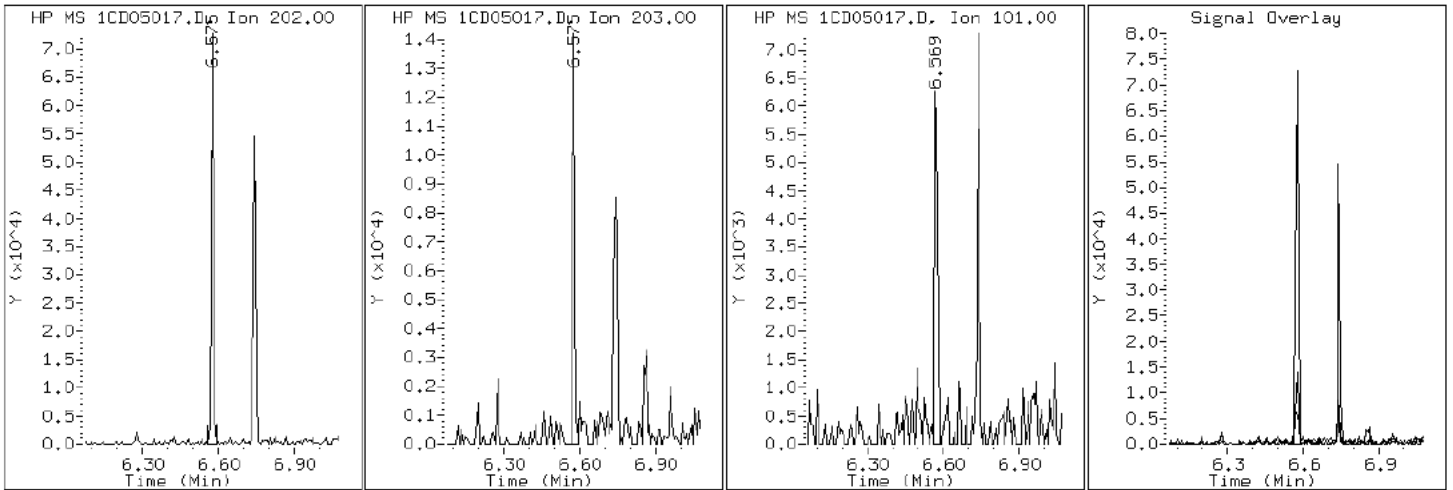
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

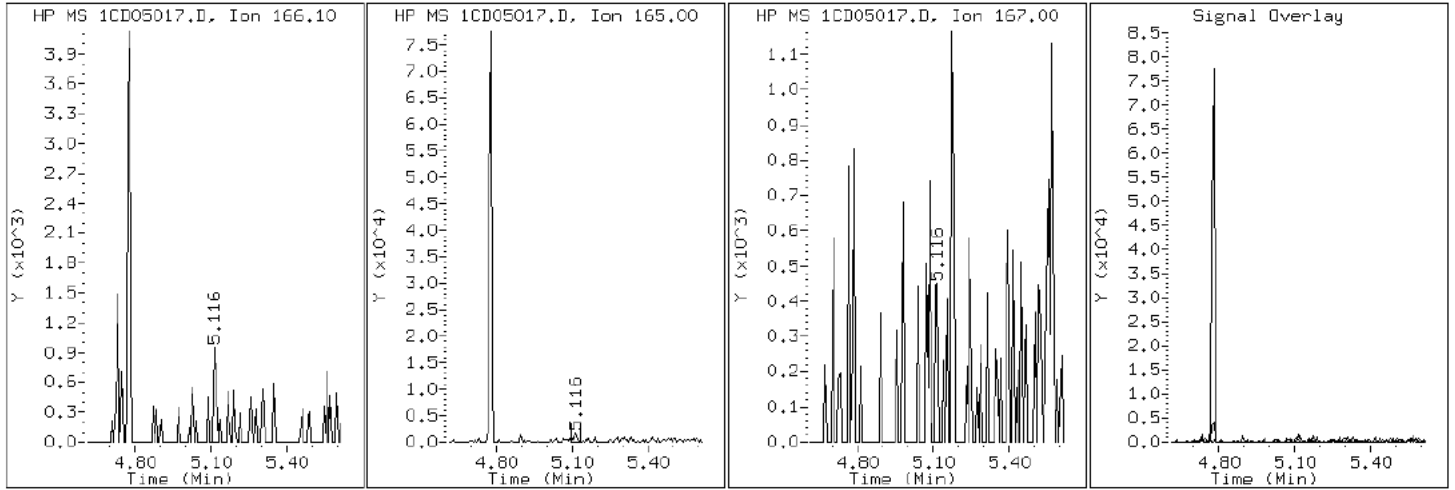
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

9 Fluorene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

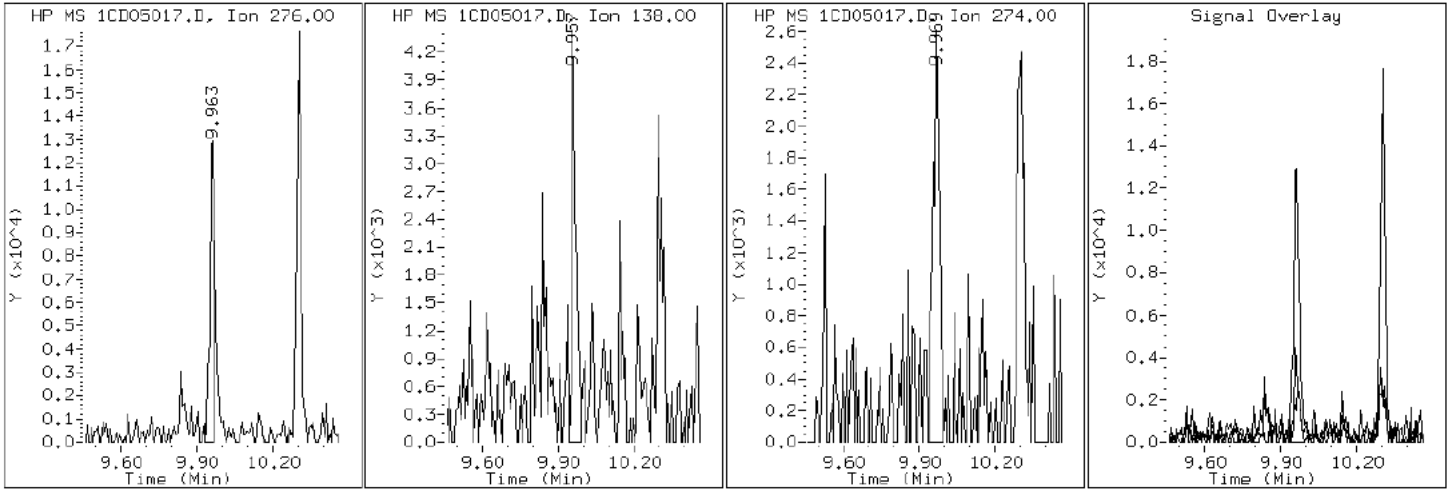
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

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



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

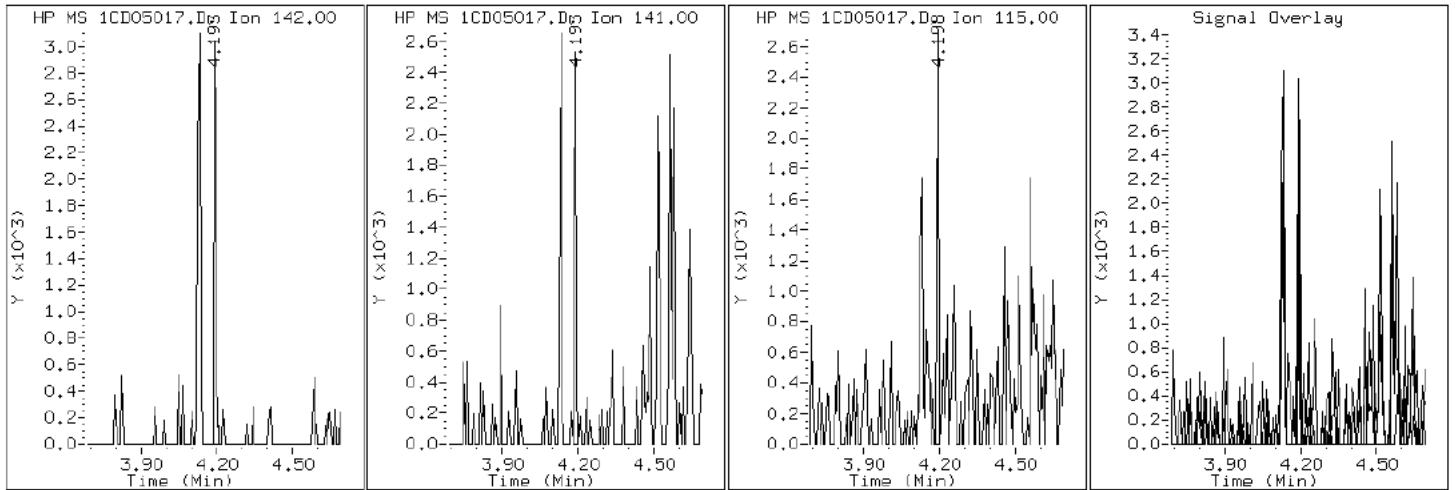
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

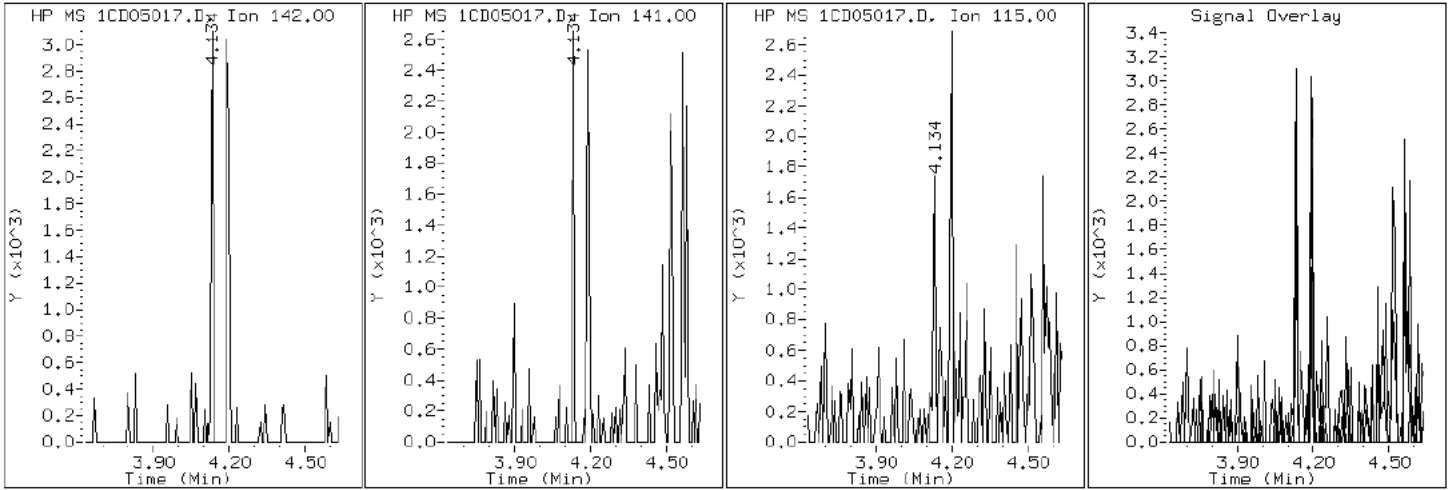
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

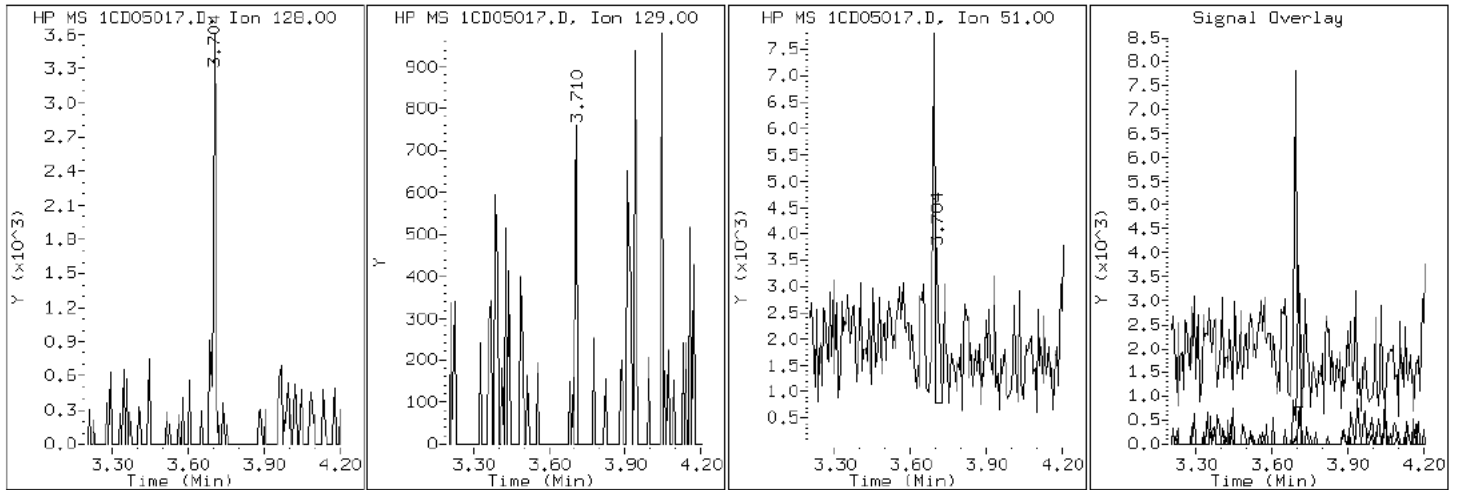
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

2 Naphthalene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

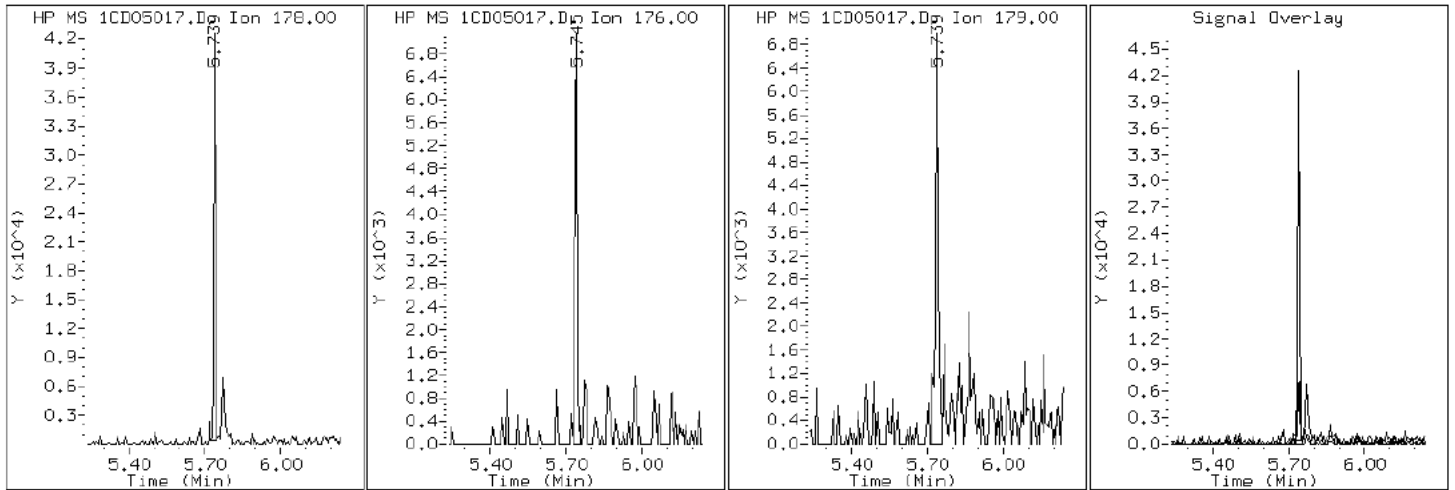
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05017.D

Date: 05-APR-2013 16:20

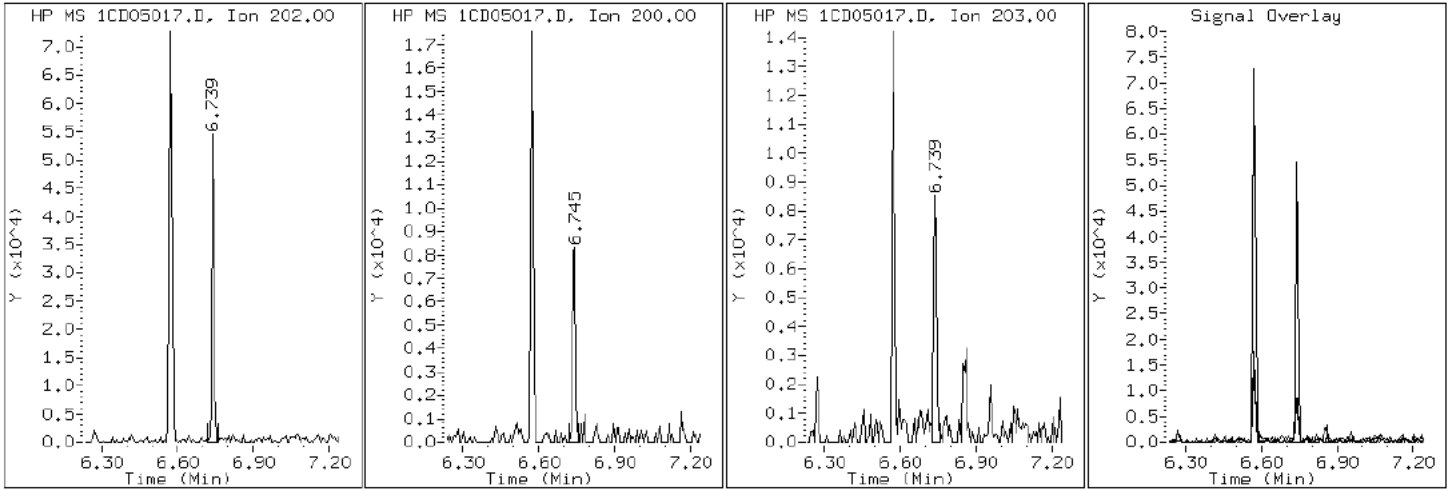
Client ID: CV0509BB-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-38-a

Operator: SCC

16 Pyrene

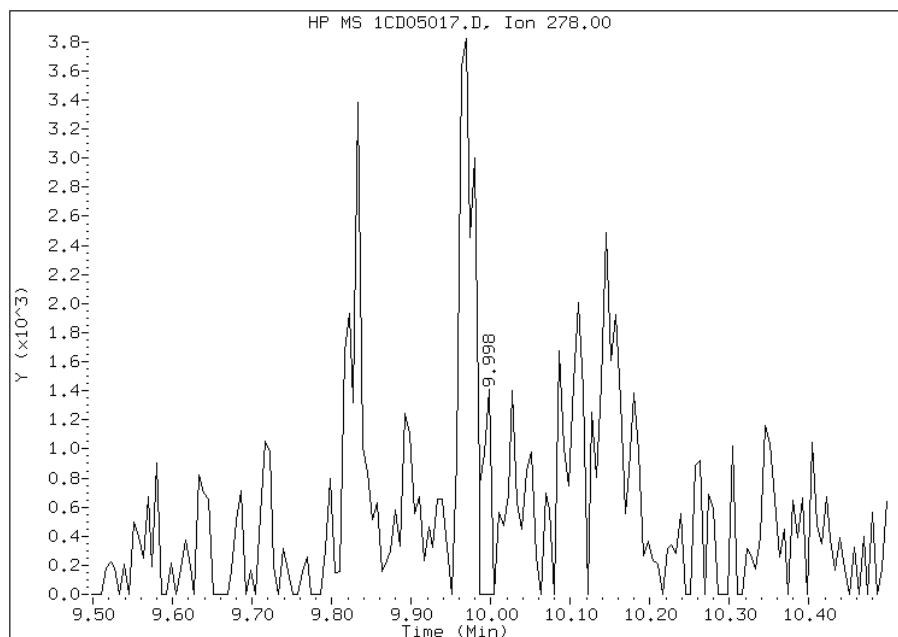


Manual Integration Report

Data File: 1CD05017.D
Inj. Date and Time: 05-APR-2013 16:20
Instrument ID: BSMC5973.i
Client ID: CV0509BB-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/09/2013

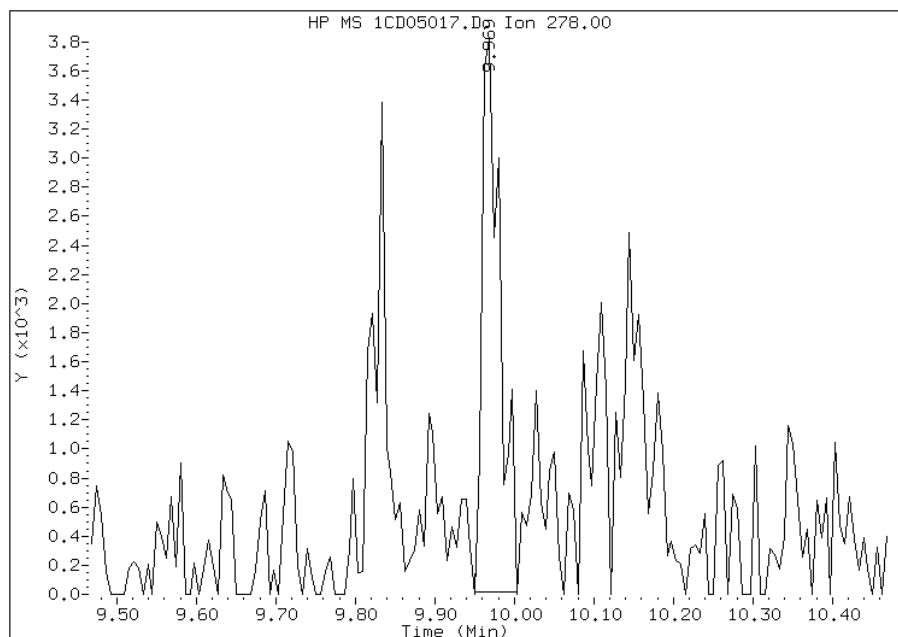
Processing Integration Results

RT: 10.00
Response: 1108
Amount: 0
Conc: 21



Manual Integration Results

RT: 9.97
Response: 5936
Amount: 0
Conc: 110



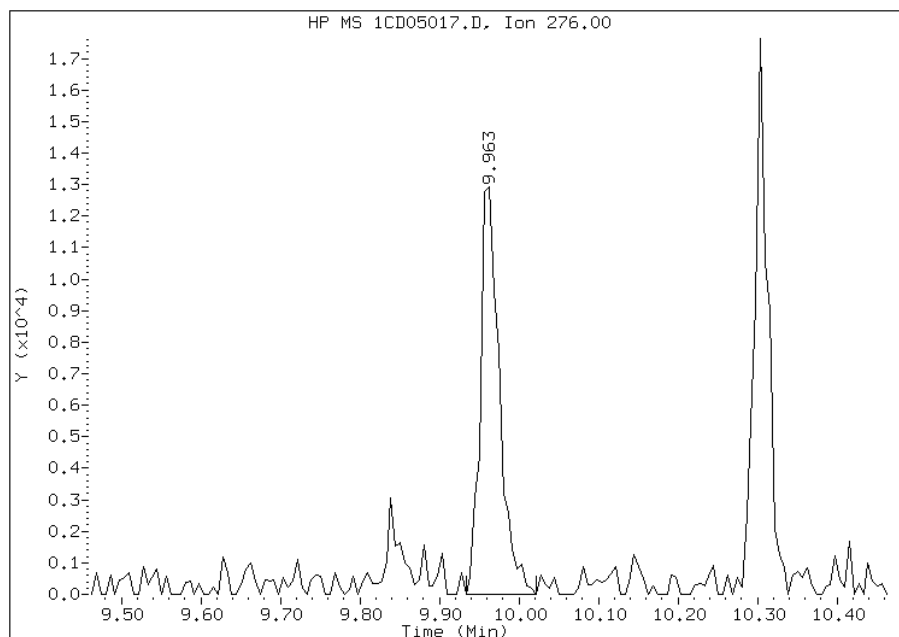
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:08
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05017.D
Inj. Date and Time: 05-APR-2013 16:20
Instrument ID: BSMC5973.i
Client ID: CV0509BB-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

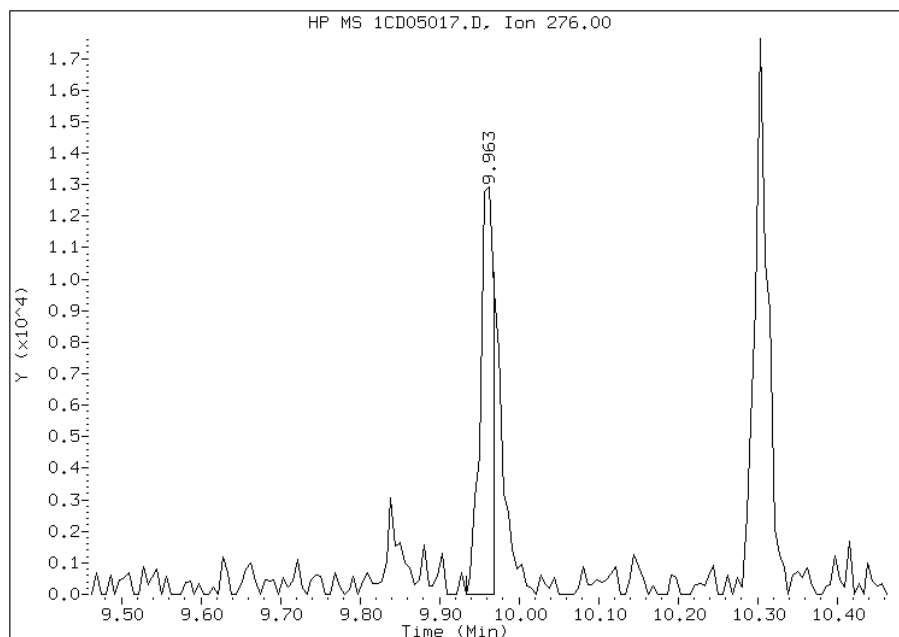
Processing Integration Results

RT: 9.96
Response: 21369
Amount: 1
Conc: 366



Manual Integration Results

RT: 9.96
Response: 15306
Amount: 1
Conc: 262



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:09
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509CC-CS Lab Sample ID: 680-88767-39
 Matrix: Solid Lab File ID: 1CD05018.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 14:46
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.11(g) Date Analyzed: 04/05/2013 16:38
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 19.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	490	U	490	98
208-96-8	Acenaphthylene	200	U	200	25
120-12-7	Anthracene	71		41	21
56-55-3	Benzo[a]anthracene	410		39	19
50-32-8	Benzo[a]pyrene	330		51	25
205-99-2	Benzo[b]fluoranthene	630		60	30
191-24-2	Benzo[g,h,i]perylene	320		98	22
207-08-9	Benzo[k]fluoranthene	170		39	18
218-01-9	Chrysene	440		44	22
53-70-3	Dibenz(a,h)anthracene	110		98	20
206-44-0	Fluoranthene	530		98	20
86-73-7	Fluorene	26	J	98	20
193-39-5	Indeno[1,2,3-cd]pyrene	250		98	35
90-12-0	1-Methylnaphthalene	98	J	200	22
91-57-6	2-Methylnaphthalene	59	J	200	35
91-20-3	Naphthalene	93	J	200	22
85-01-8	Phenanthrene	340		39	19
129-00-0	Pyrene	490		98	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	96		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05018.D
 Lab Smp Id: 680-88767-A-39-A Client Smp ID: CV0509CC-CS
 Inj Date : 05-APR-2013 16:38
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-39-a
 Misc Info : 680-88767-A-39-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 17
 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	15.110	Weight Extracted
M	18.973	% 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		3.692	3.692	(1.000)	510446	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	392864	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	757055	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	20787	2.40759	786.5918
* 18 Chrysene-d12	240		7.657	7.662	(1.000)	844512	40.0000	
* 23 Perylene-d12	264		8.827	8.827	(1.000)	826238	40.0000	
2 Naphthalene	128		3.704	3.704	(1.003)	3722	0.28389	92.7507
3 2-Methylnaphthalene	142		4.127	4.133	(1.118)	1625	0.18208	59.4878(Q)
4 1-Methylnaphthalene	142		4.198	4.192	(1.137)	2412	0.30036	98.1304
9 Fluorene	166		5.116	5.116	(1.070)	1048	0.07806	25.5038(Q)
11 Phenanthrene	178		5.739	5.739	(1.003)	22617	1.02576	335.1303
12 Anthracene	178		5.768	5.774	(1.008)	4880	0.21833	71.3323
13 Carbazole	167		5.880	5.880	(1.028)	3087	0.16121	52.6685
15 Fluoranthene	202		6.568	6.574	(1.148)	39189	1.60938	525.8074

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
16 Pyrene	202	6.739	6.739	(0.880)	34898	1.49177	487.3823
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	27435	1.25681	410.6172
19 Chrysene	228	7.674	7.680	(1.002)	32291	1.34183	438.3936
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.961)	44824	1.91896	626.9508(M)
21 Benzo(k)fluoranthene	252	8.504	8.509	(0.963)	11436	0.50620	165.3825(QM)
22 Benzo(a)pyrene	252	8.768	8.774	(0.993)	22420	1.01949	333.0802
24 Indeno(1,2,3-cd)pyrene	276	9.956	9.962	(1.128)	16276	0.77921	254.5798(M)
25 Dibenzo(a,h)anthracene	278	9.968	9.980	(1.129)	6488	0.33625	109.8565(M)
26 Benzo(g,h,i)perylene	276	10.298	10.303	(1.167)	21040	0.98694	322.4469(M)

QC Flag Legend

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

Data File: 1CD05018.D

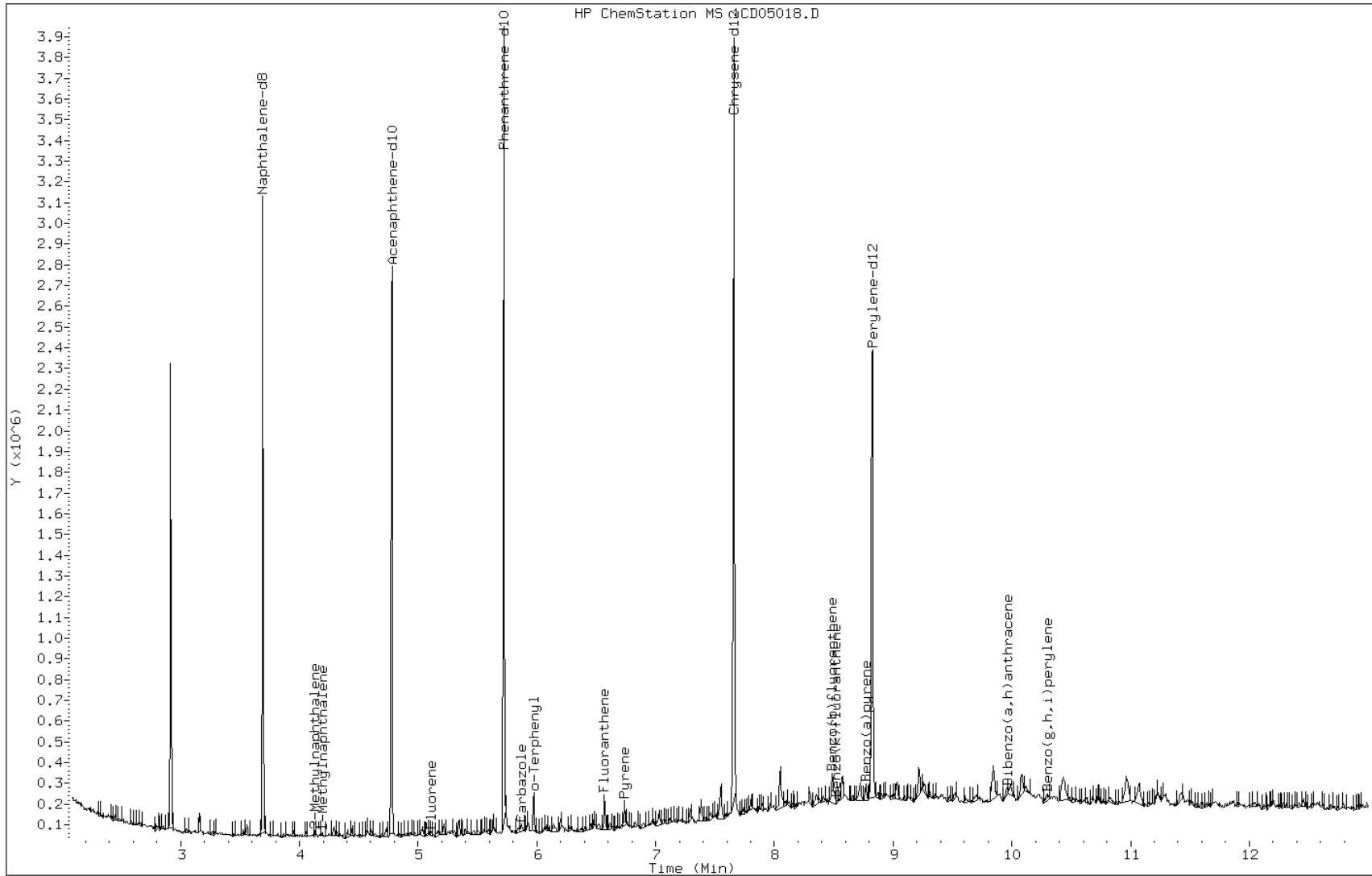
Date: 05-APR-2013 16:38

Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

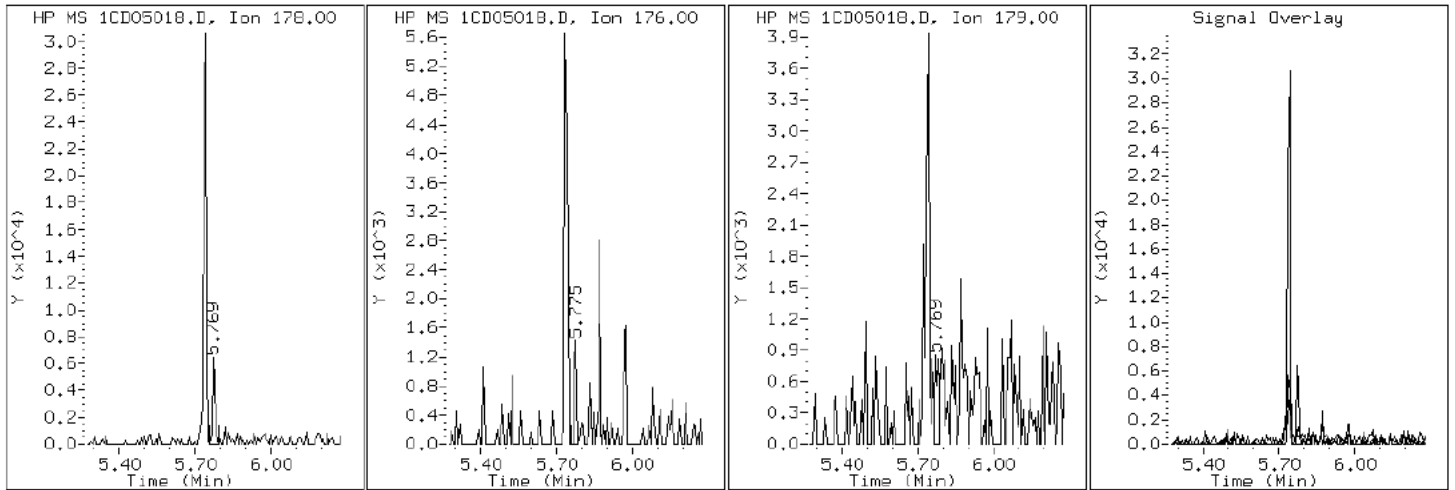
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

12 Anthracene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

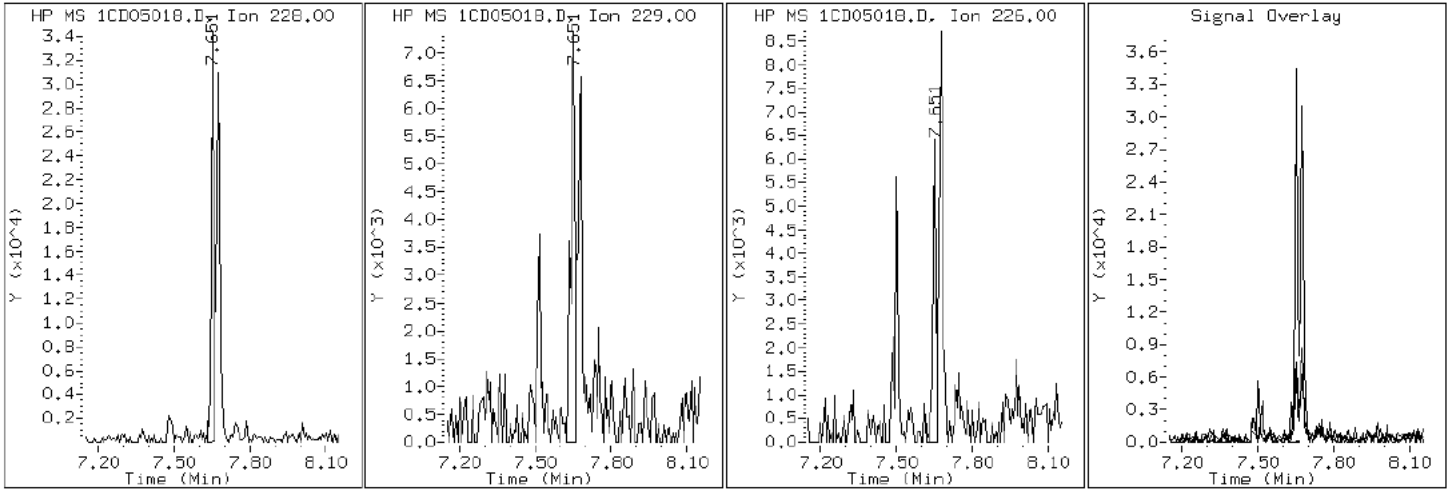
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

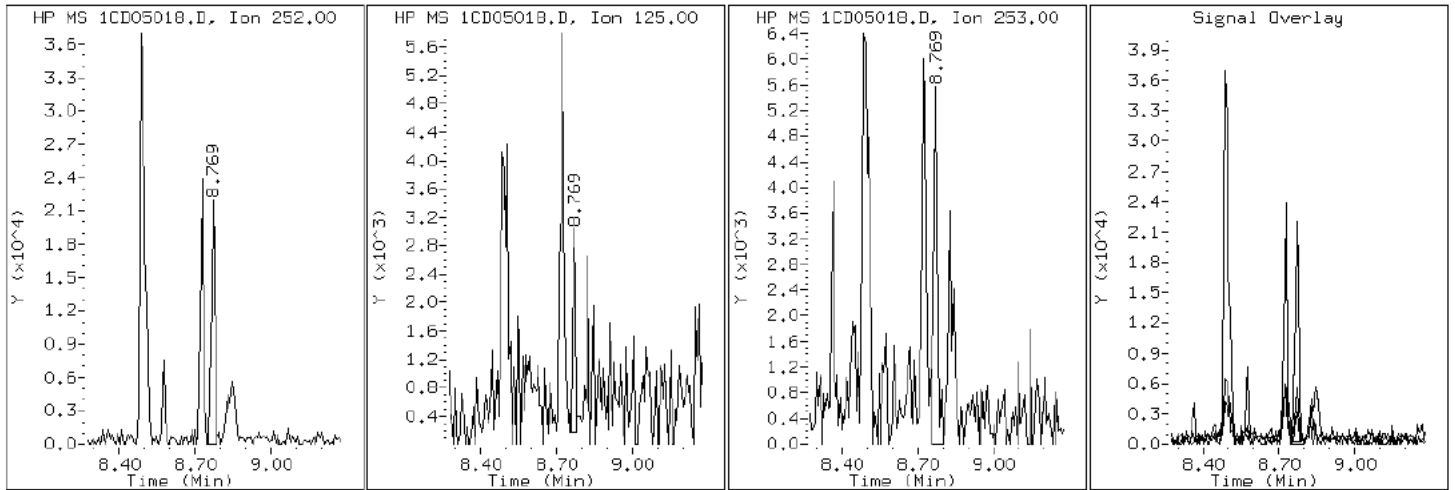
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

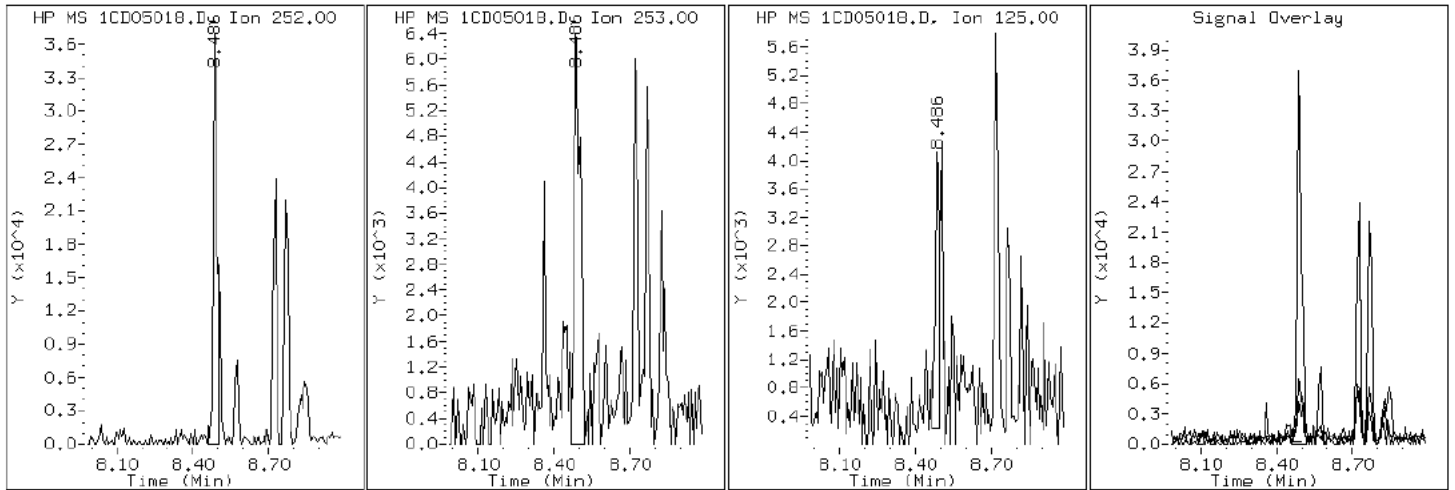
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

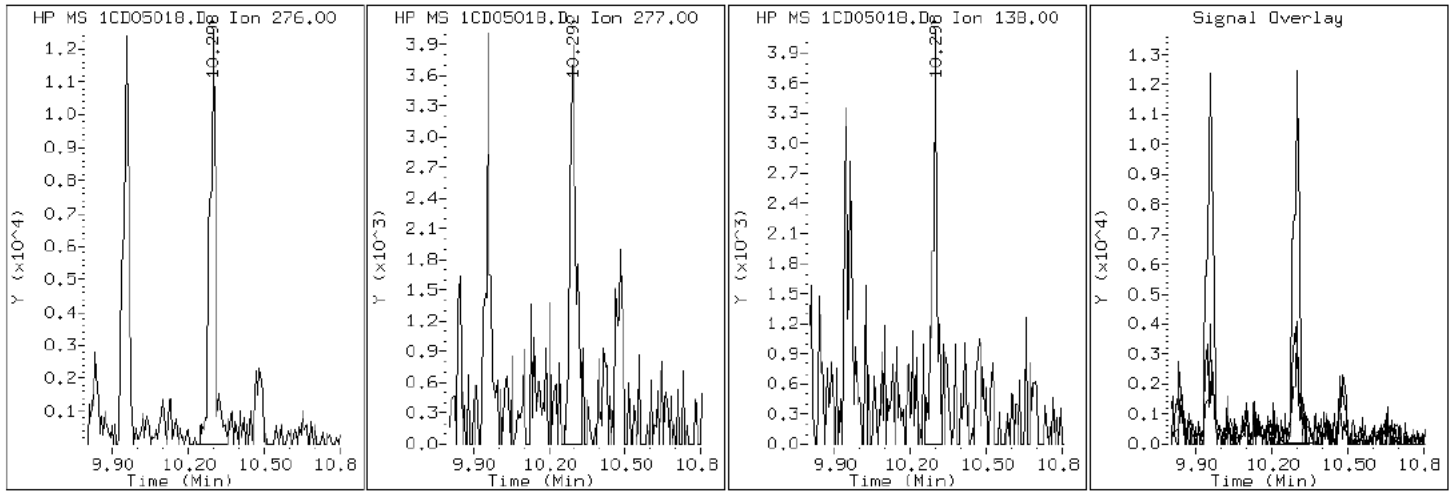
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

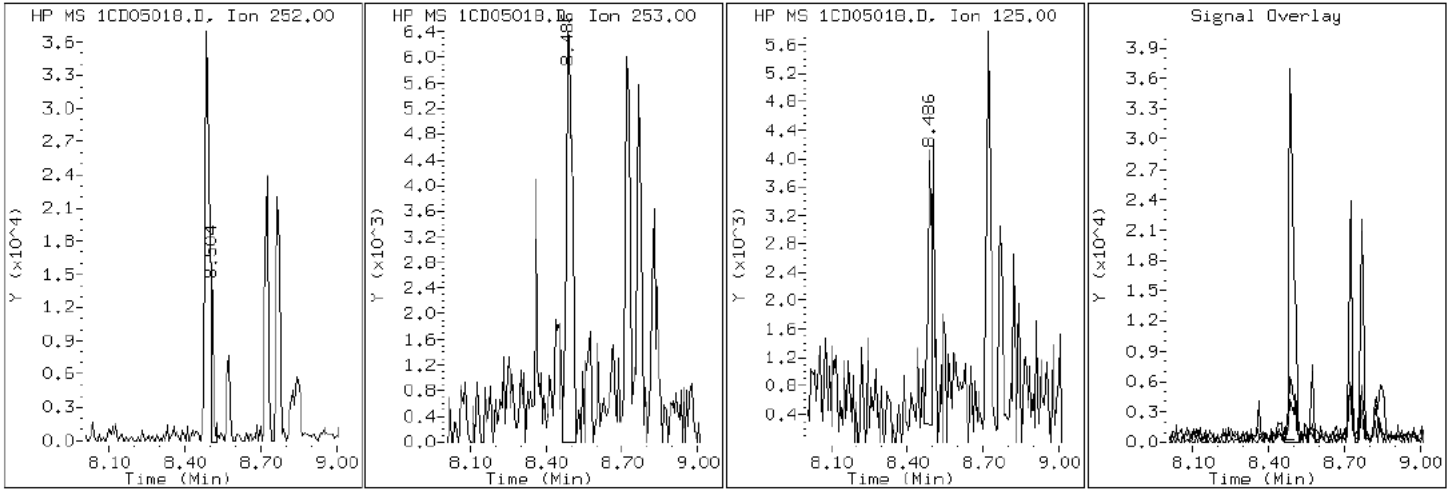
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

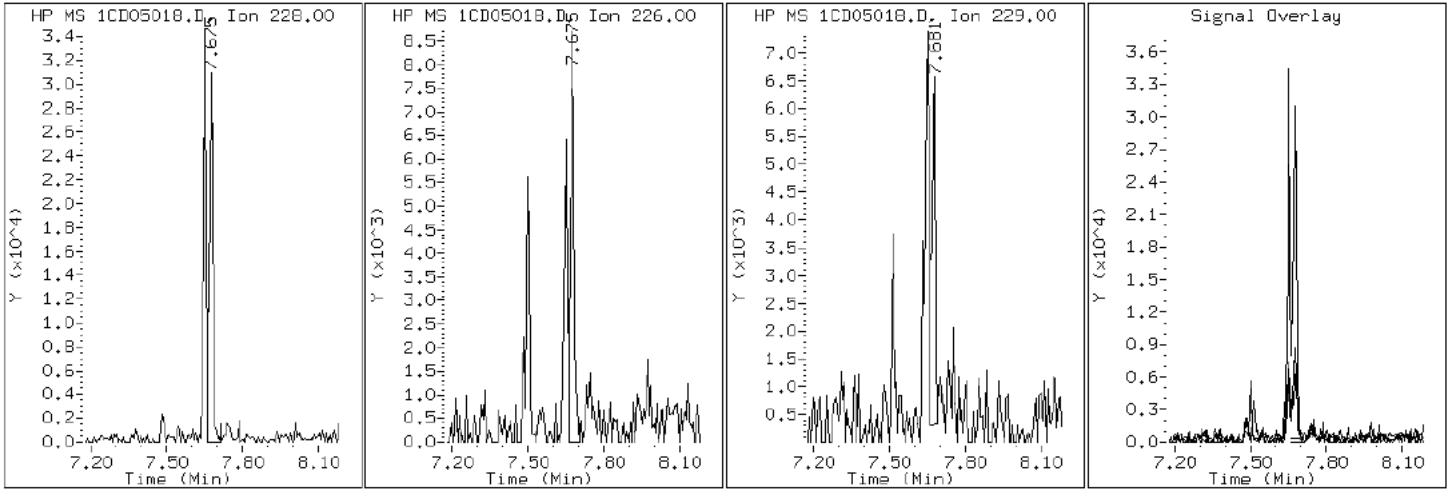
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

19 Chrysene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

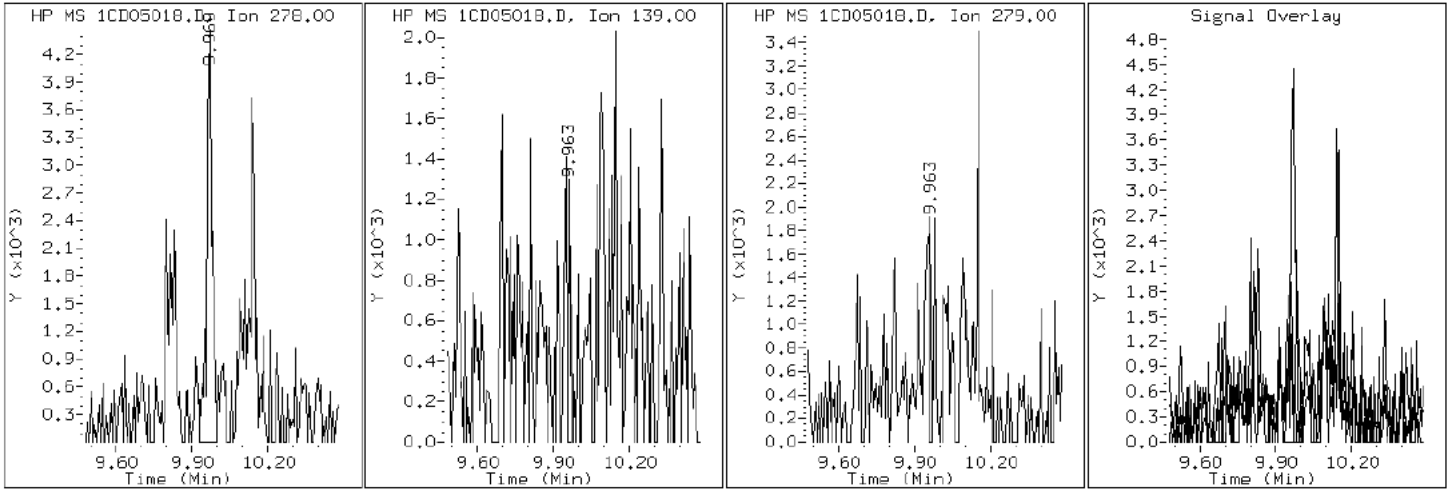
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

25 Dibenzo (a,h)anthracene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

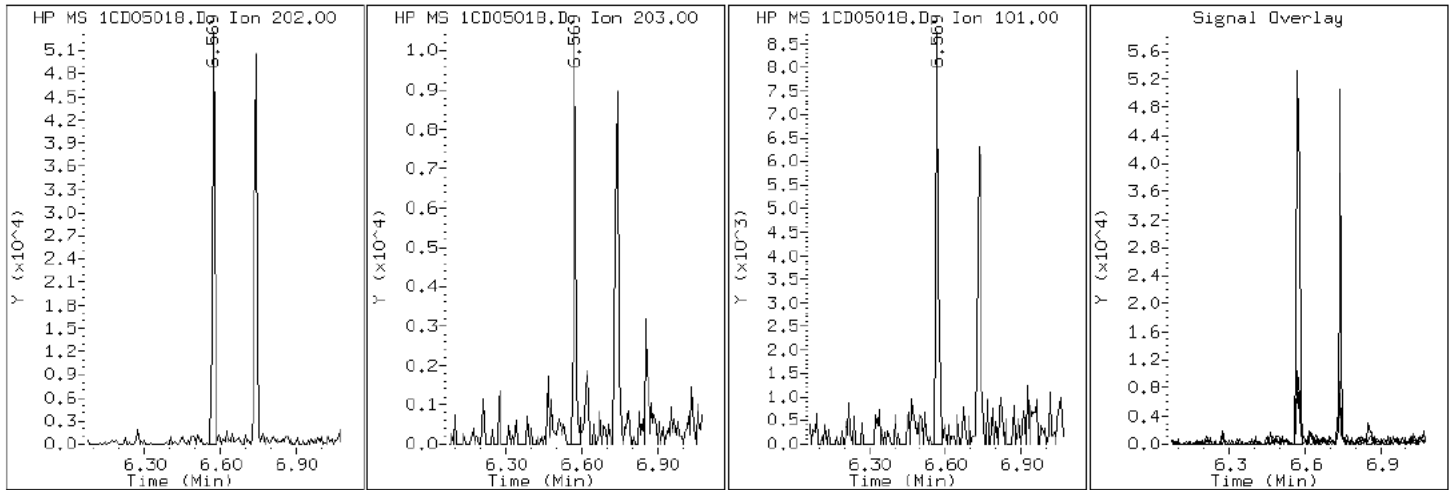
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

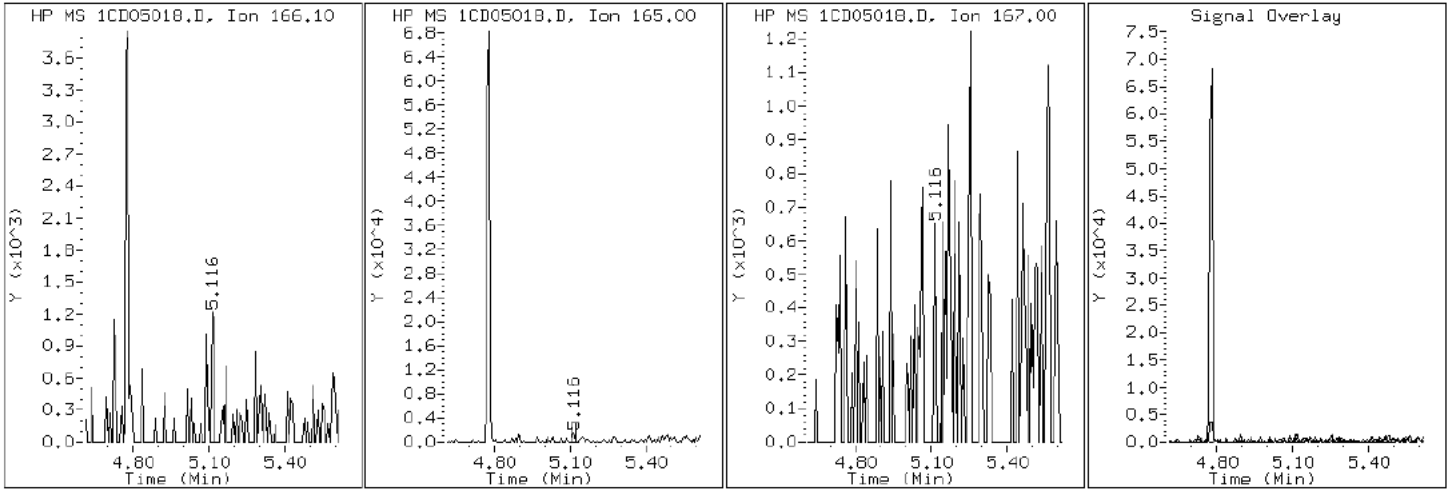
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

9 Fluorene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

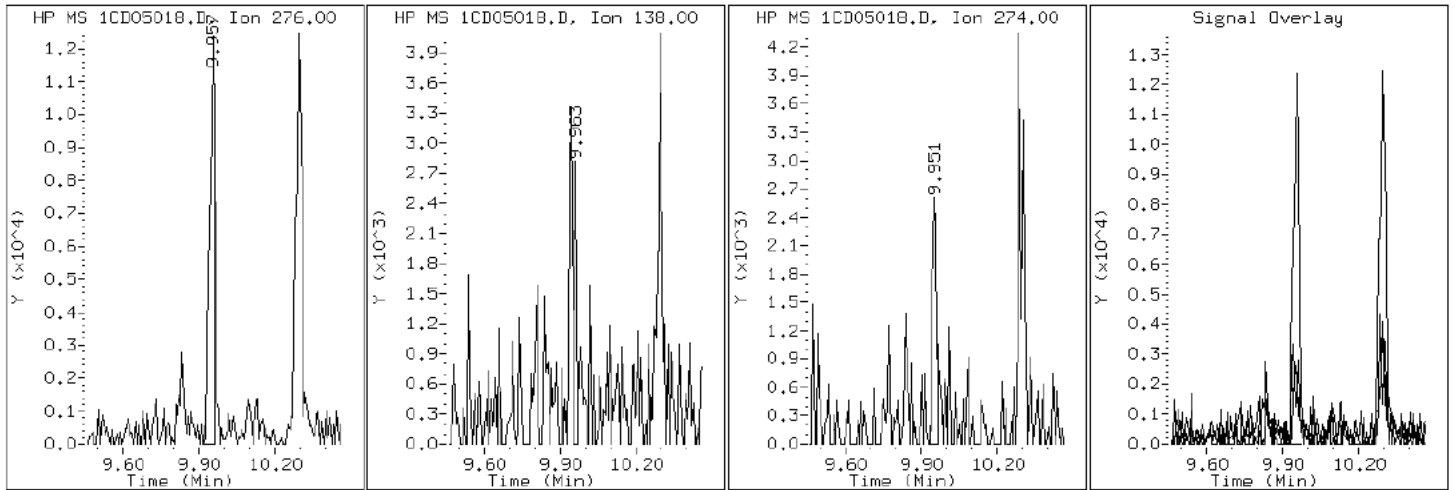
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

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



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

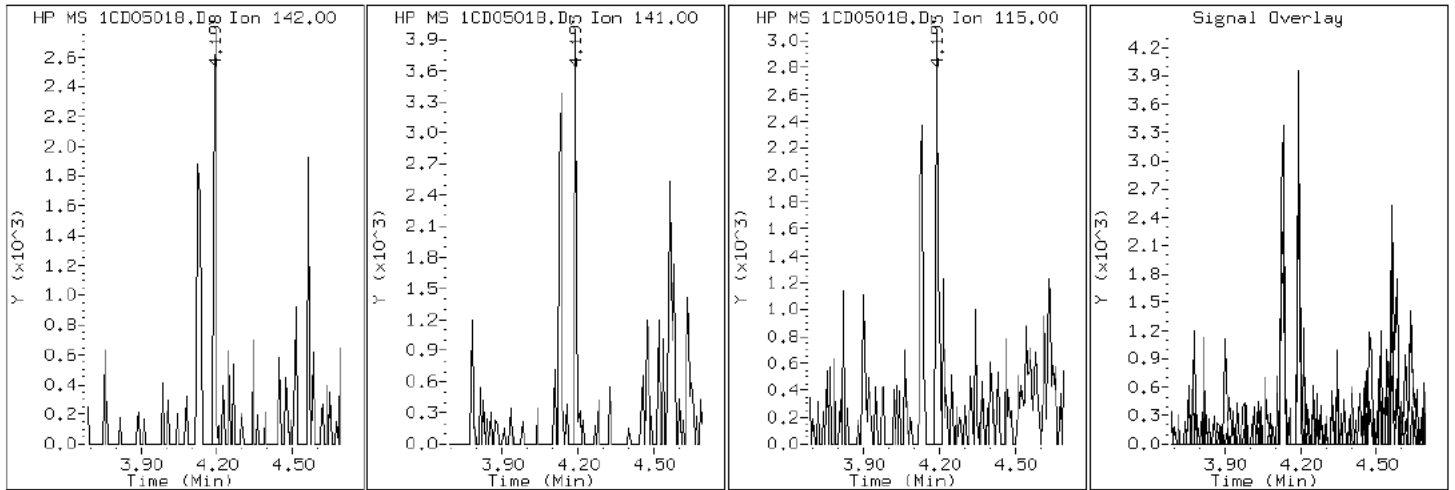
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

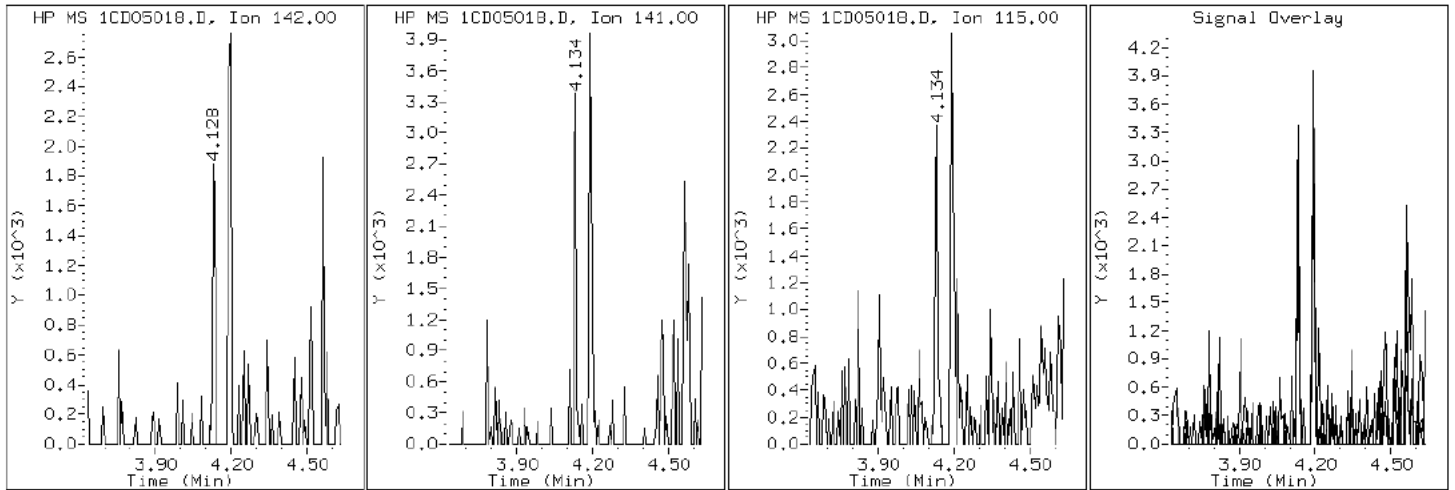
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

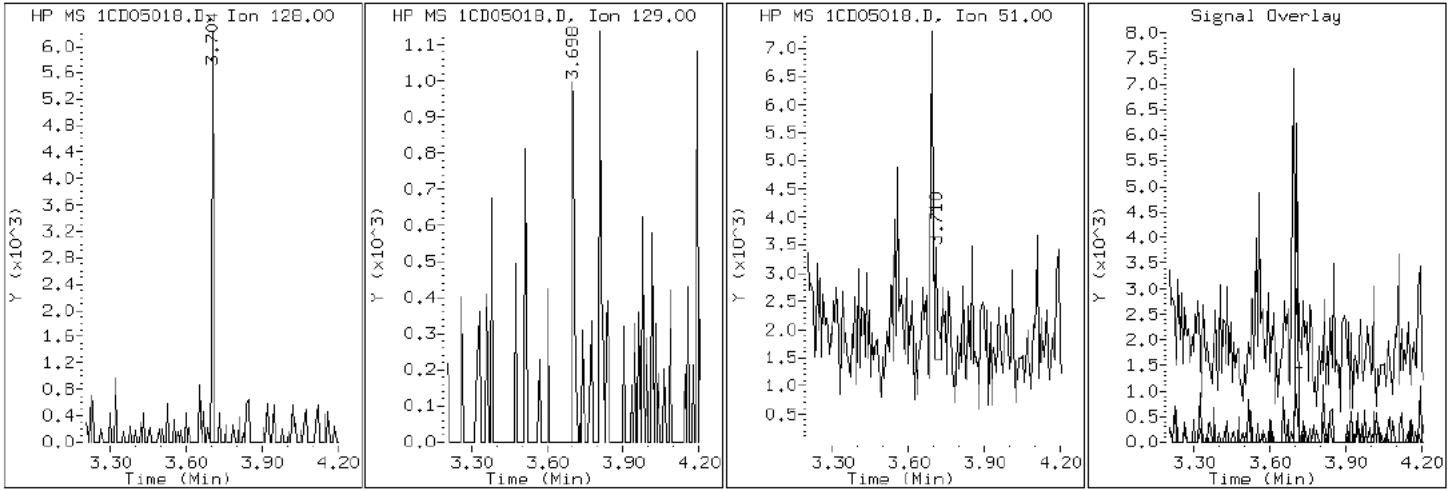
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

2 Naphthalene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

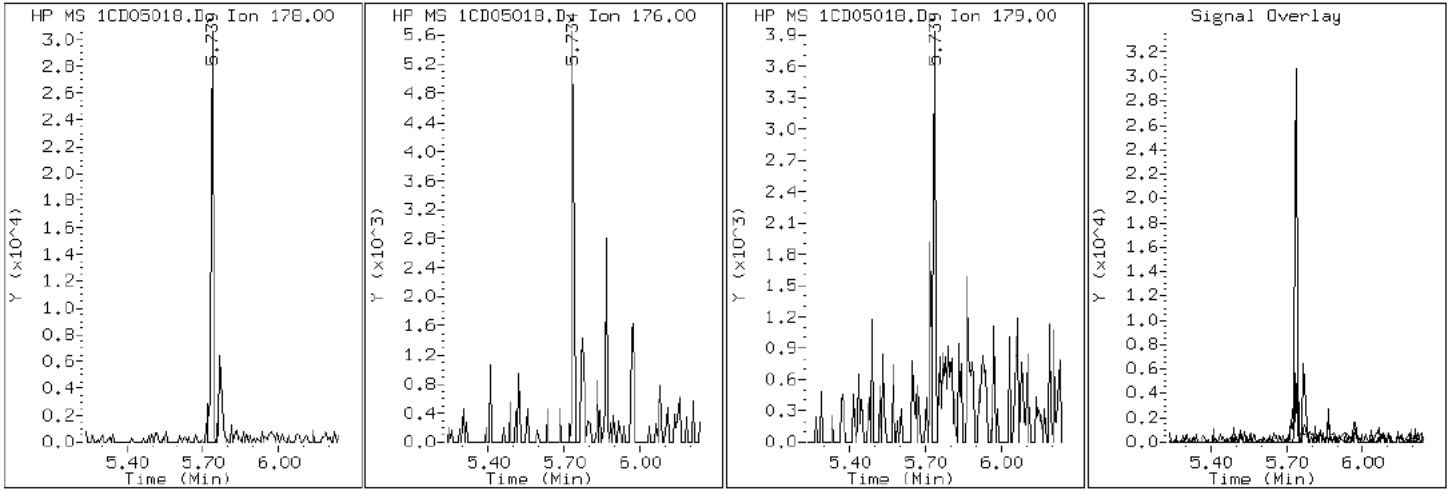
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05018.D

Date: 05-APR-2013 16:38

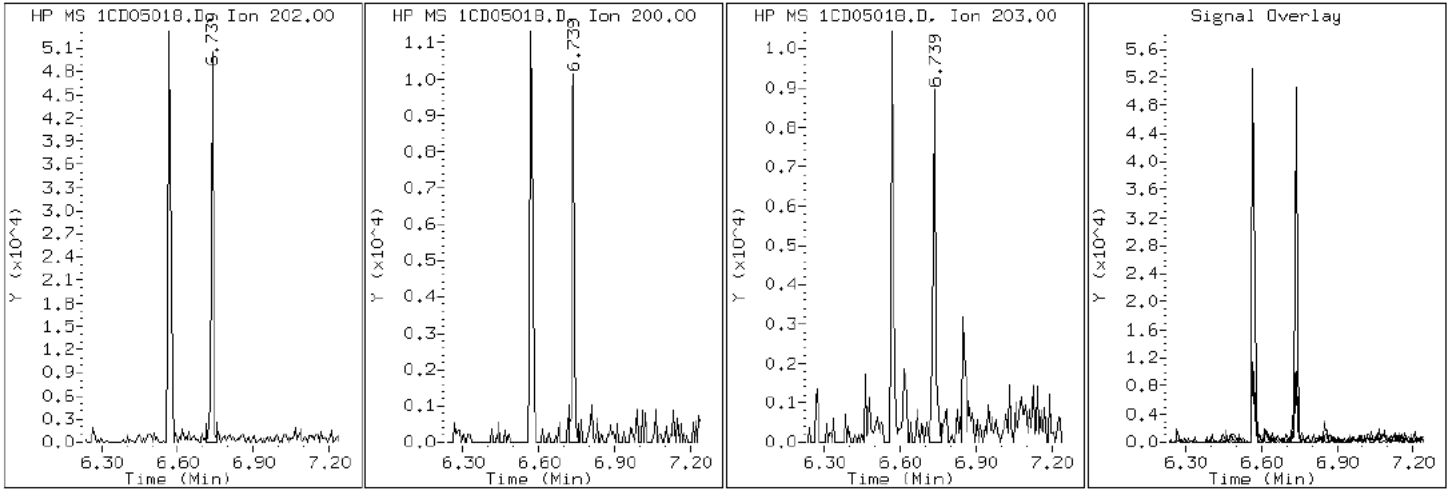
Client ID: CV0509CC-CS

Instrument: BSMC5973.i

Sample Info: 680-88767-a-39-a

Operator: SCC

16 Pyrene

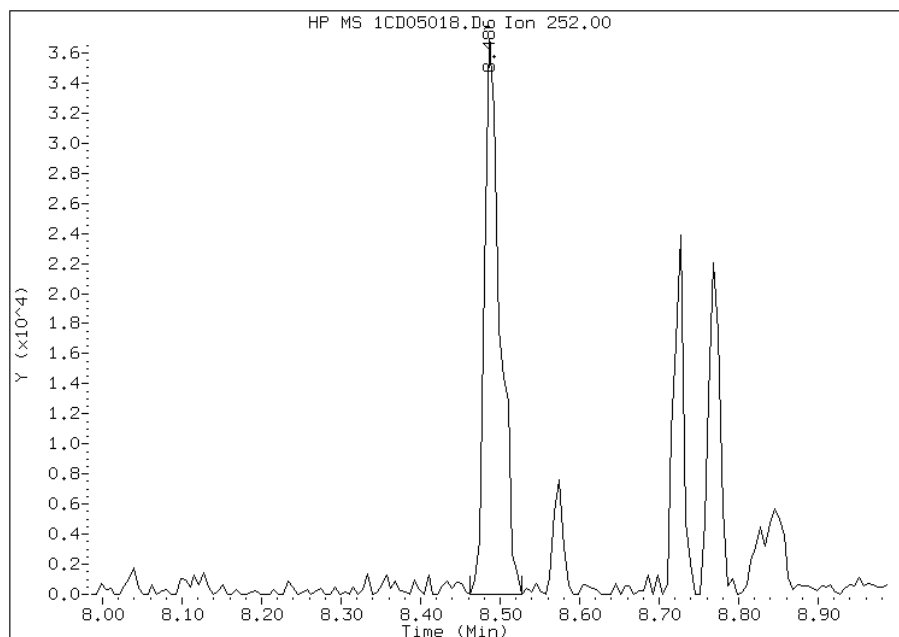


Manual Integration Report

Data File: 1CD05018.D
Inj. Date and Time: 05-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

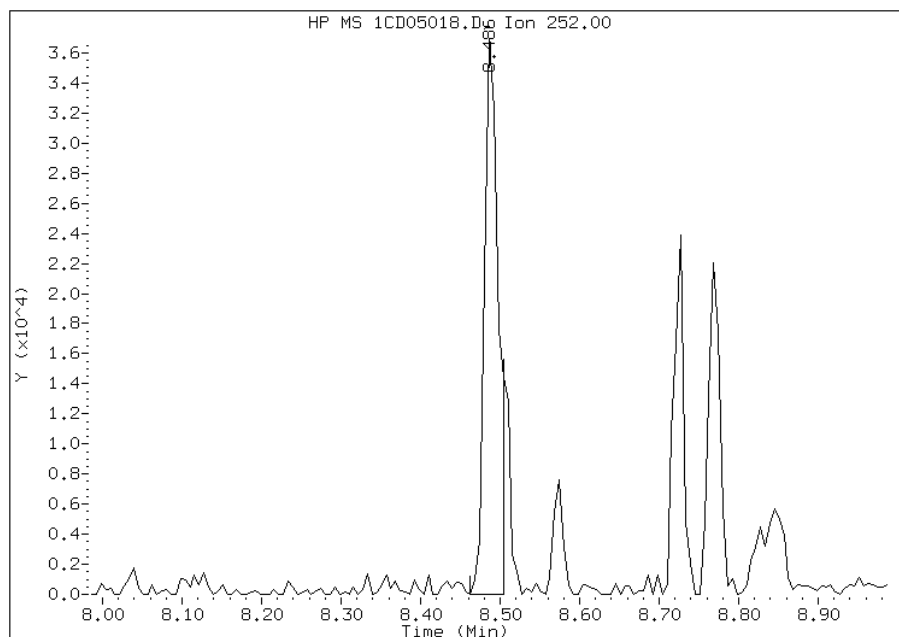
Processing Integration Results

RT: 8.49
Response: 50841
Amount: 2
Conc: 711



Manual Integration Results

RT: 8.49
Response: 44824
Amount: 2
Conc: 627



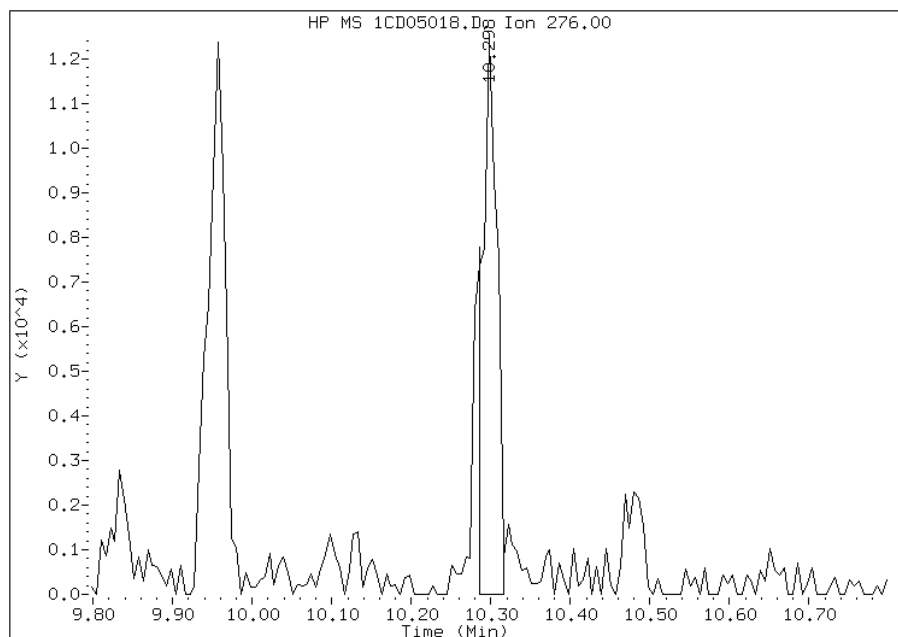
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:10
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05018.D
Inj. Date and Time: 05-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/09/2013

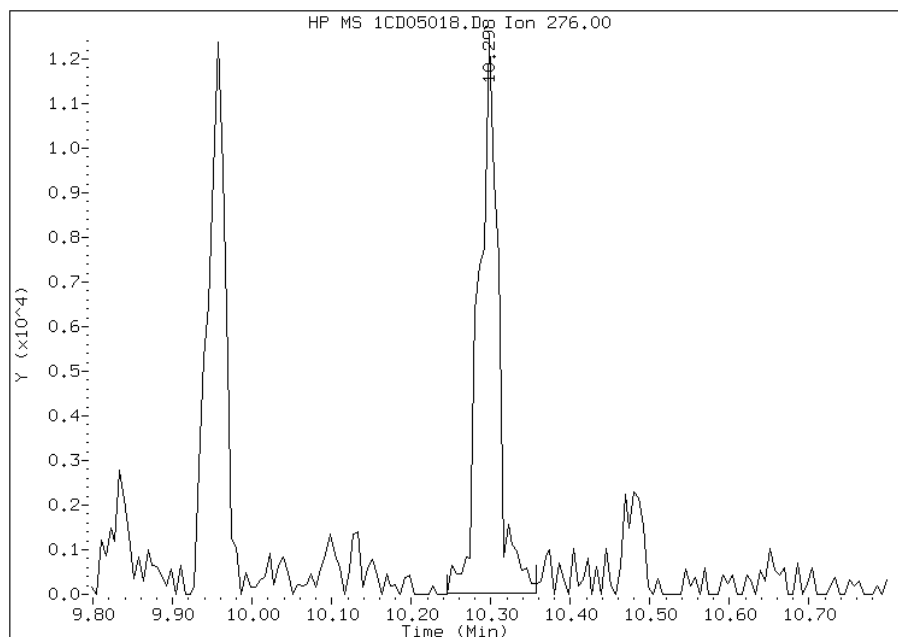
Processing Integration Results

RT: 10.30
Response: 15984
Amount: 1
Conc: 245



Manual Integration Results

RT: 10.30
Response: 21040
Amount: 1
Conc: 322



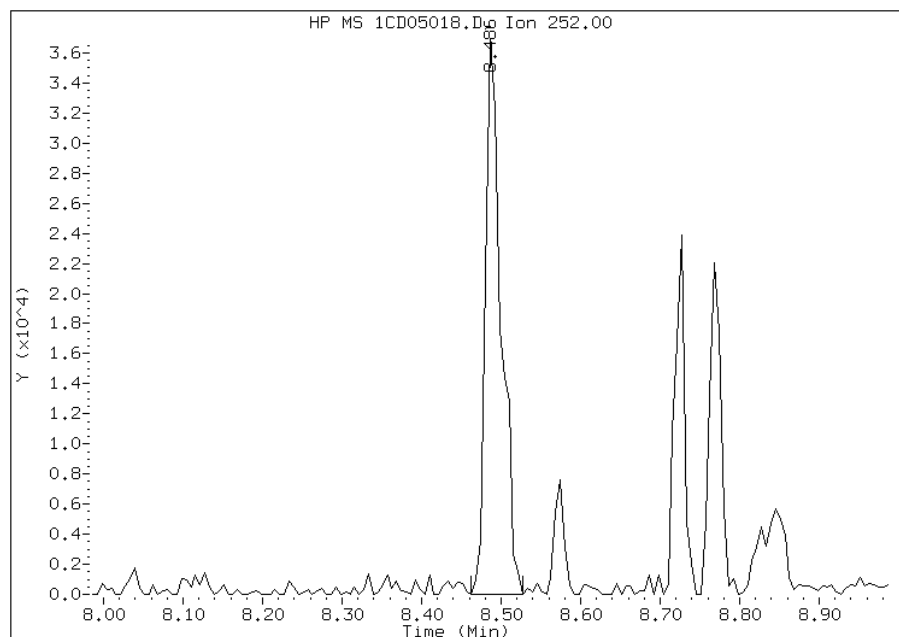
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:10
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05018.D
Inj. Date and Time: 05-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

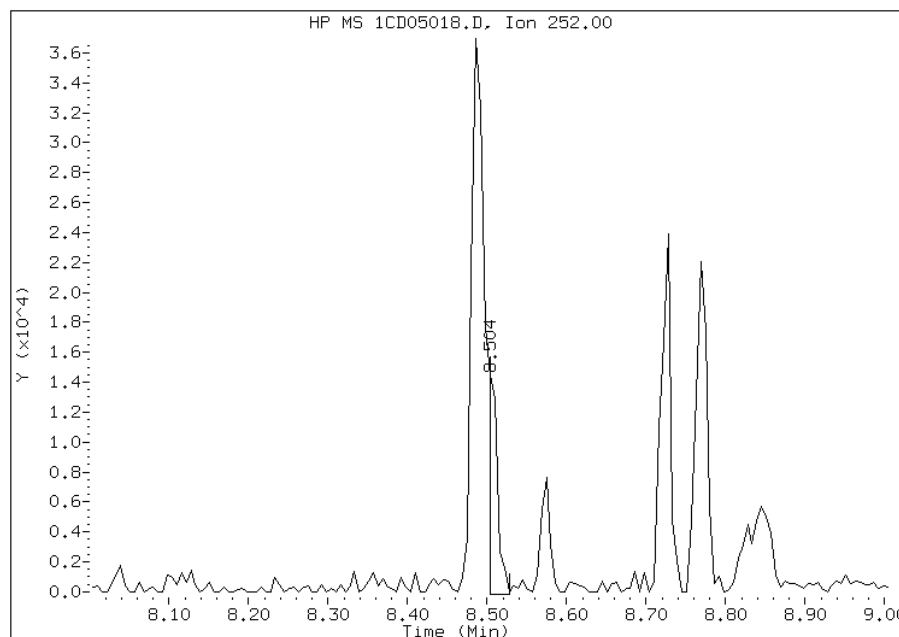
Processing Integration Results

RT: 8.49
Response: 50841
Amount: 2
Conc: 735



Manual Integration Results

RT: 8.50
Response: 11436
Amount: 1
Conc: 165



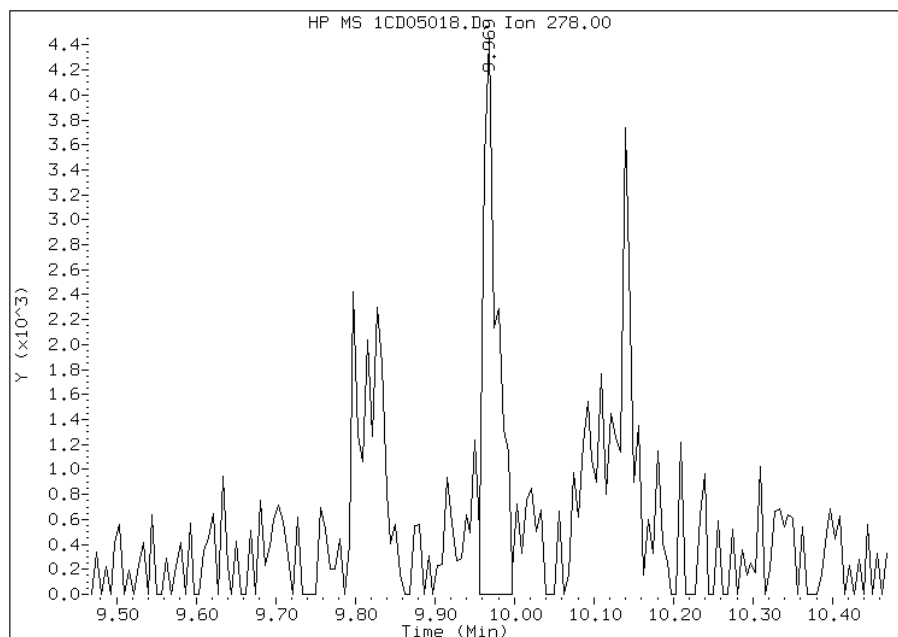
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:10
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05018.D
Inj. Date and Time: 05-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/09/2013

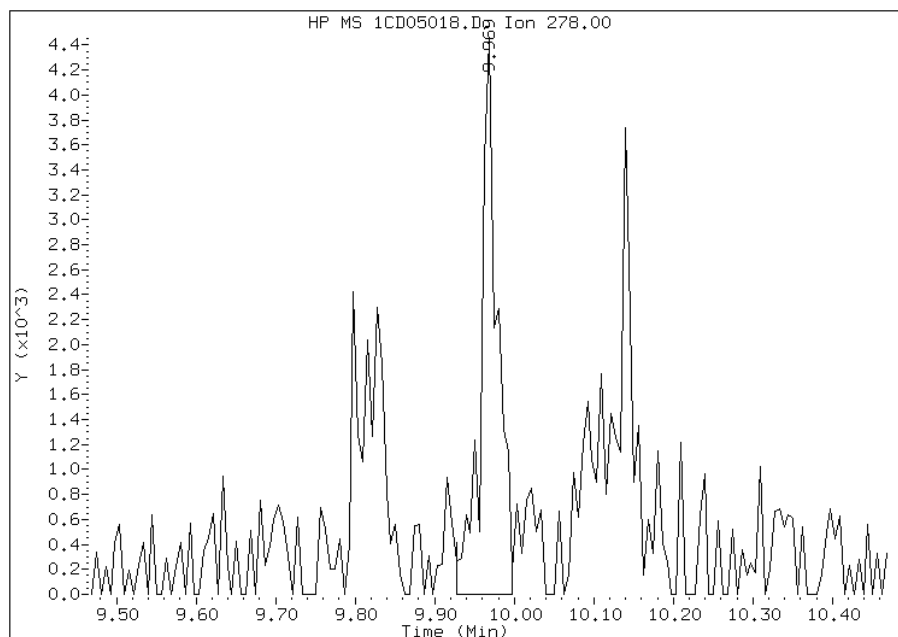
Processing Integration Results

RT: 9.97
Response: 5471
Amount: 0
Conc: 93



Manual Integration Results

RT: 9.97
Response: 6488
Amount: 0
Conc: 110



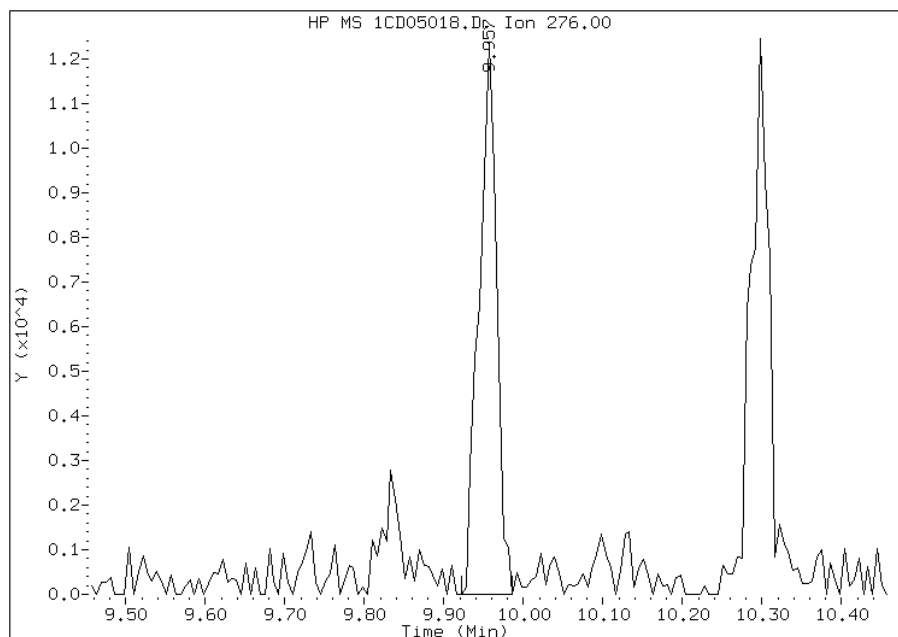
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:10
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05018.D
Inj. Date and Time: 05-APR-2013 16:38
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

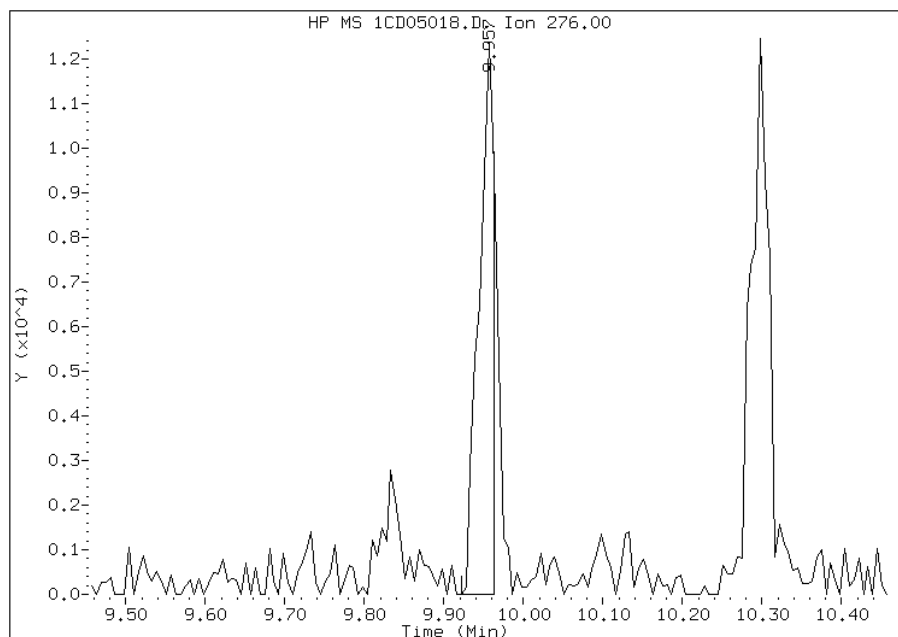
Processing Integration Results

RT: 9.96
Response: 18945
Amount: 1
Conc: 296



Manual Integration Results

RT: 9.96
Response: 16276
Amount: 1
Conc: 255



Manually Integrated By: cantins
Modification Date: 09-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.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509CC-CSD Lab Sample ID: 680-88767-40
 Matrix: Solid Lab File ID: 1CD05019.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 14:48
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 14.98(g) Date Analyzed: 04/05/2013 16:57
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 18.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	490	U	490	98
208-96-8	Acenaphthylene	200	U	200	25
120-12-7	Anthracene	57		41	21
56-55-3	Benzo[a]anthracene	380		39	19
50-32-8	Benzo[a]pyrene	340		51	26
205-99-2	Benzo[b]fluoranthene	550		60	30
191-24-2	Benzo[g,h,i]perylene	350		98	22
207-08-9	Benzo[k]fluoranthene	220		39	18
218-01-9	Chrysene	350		44	22
53-70-3	Dibenz(a,h)anthracene	120		98	20
206-44-0	Fluoranthene	520		98	20
86-73-7	Fluorene	30	J	98	20
193-39-5	Indeno[1,2,3-cd]pyrene	220		98	35
90-12-0	1-Methylnaphthalene	54	J	200	22
91-57-6	2-Methylnaphthalene	120	J	200	35
91-20-3	Naphthalene	71	J	200	22
85-01-8	Phenanthrene	300		39	19
129-00-0	Pyrene	450		98	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	81		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05019.D
 Lab Smp Id: 680-88767-A-40-A Client Smp ID: CV0509CC-CSD
 Inj Date : 05-APR-2013 16:57
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-40-a
 Misc Info : 680-88767-A-40-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 18
 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	14.980	Weight Extracted
M	18.535	% 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		3.692	3.692	(1.000)	511501	40.0000		
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	374155	40.0000		
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	769147	40.0000		
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	16453	2.03592	667.3308	
* 18 Chrysene-d12	240		7.656	7.662	(1.000)	845961	40.0000		
* 23 Perylene-d12	264		8.827	8.827	(1.000)	815143	40.0000		
2 Naphthalene	128		3.704	3.704	(1.003)	2834	0.21571	70.7061(Q)	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	3343	0.37381	122.5257	
4 1-Methylnaphthalene	142		4.198	4.192	(1.137)	1314	0.16329	53.5227(Q)	
9 Fluorene	166		5.115	5.116	(1.070)	1170	0.09151	29.9938(Q)	
11 Phenanthrene	178		5.739	5.739	(1.003)	20691	0.92366	302.7548	
12 Anthracene	178		5.768	5.774	(1.008)	3922	0.17271	56.6115	
13 Carbazole	167		5.880	5.880	(1.028)	2937	0.15096	49.4822	
15 Fluoranthene	202		6.568	6.574	(1.148)	39044	1.57822	517.3061	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
16 Pyrene	202	6.739	6.739	(0.880)	32335	1.37985	452.2830
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	24988	1.15506	378.6036
19 Chrysene	228	7.674	7.680	(1.002)	25779	1.06939	350.5234
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.961)	38815	1.68433	552.0858(M)
21 Benzo(k)fluoranthene	252	8.503	8.509	(0.963)	15025	0.67412	220.9602(M)
22 Benzo(a)pyrene	252	8.768	8.774	(0.993)	22597	1.04152	341.3879
24 Indeno(1,2,3-cd)pyrene	276	9.950	9.962	(1.127)	13681	0.66389	217.6097(M)
25 Dibenzo(a,h)anthracene	278	9.968	9.980	(1.129)	6696	0.35175	115.2961
26 Benzo(g,h,i)perylene	276	10.292	10.303	(1.166)	22468	1.06827	350.1556

QC Flag Legend

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

Data File: 1CD05019.D

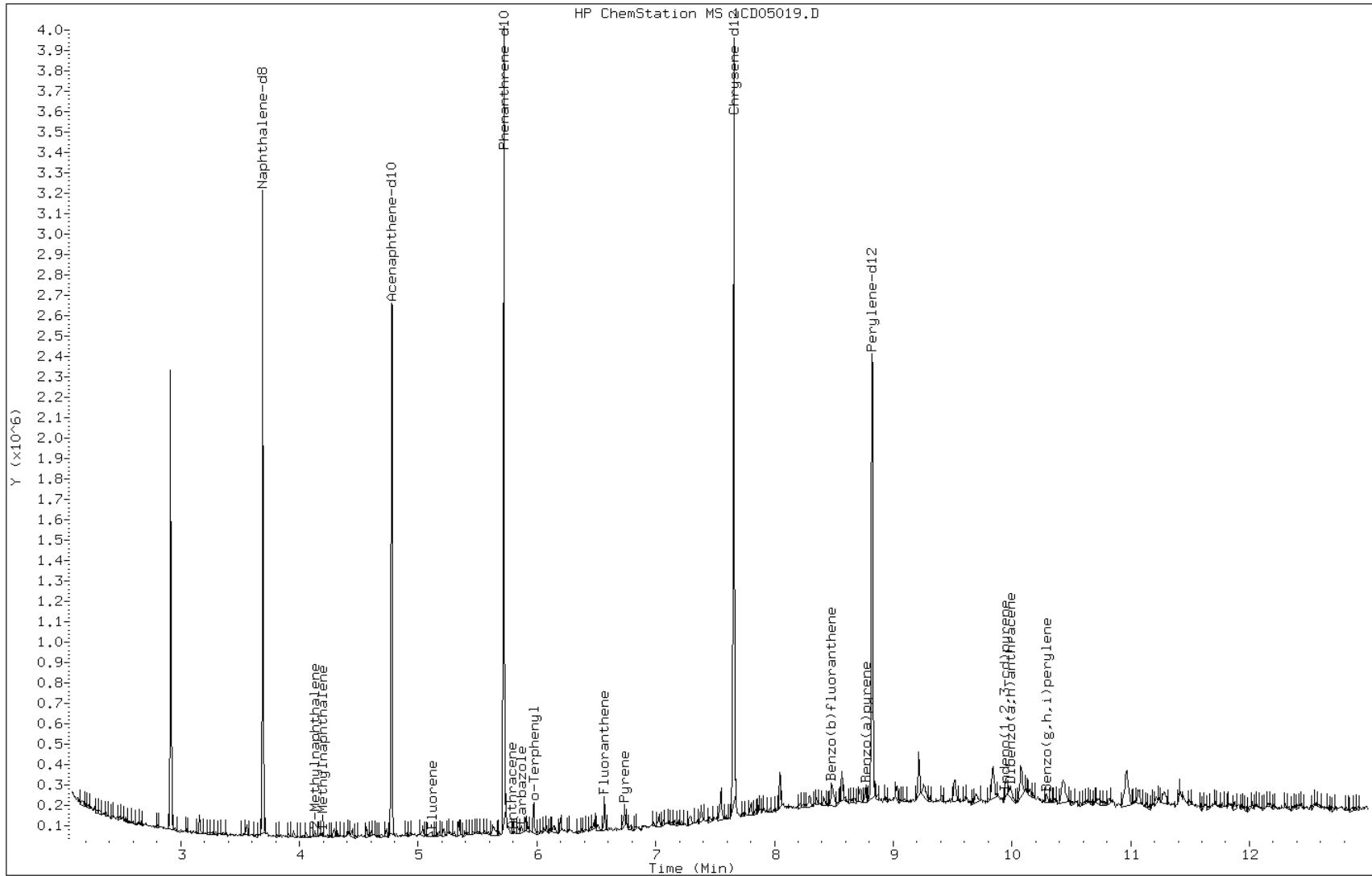
Date: 05-APR-2013 16:57

Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

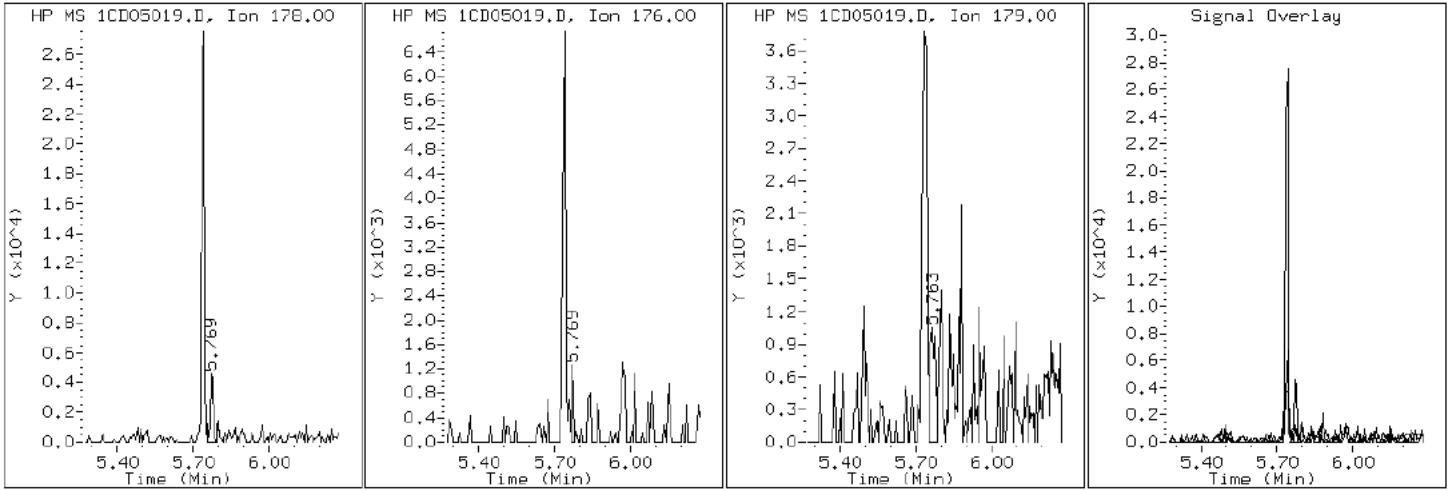
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

12 Anthracene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

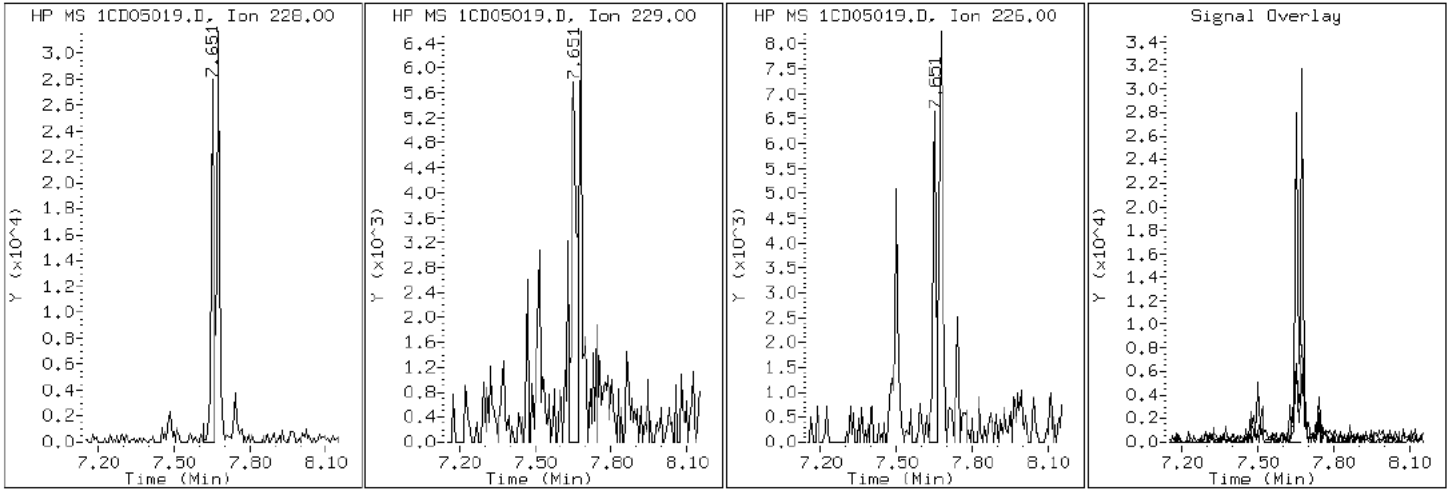
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

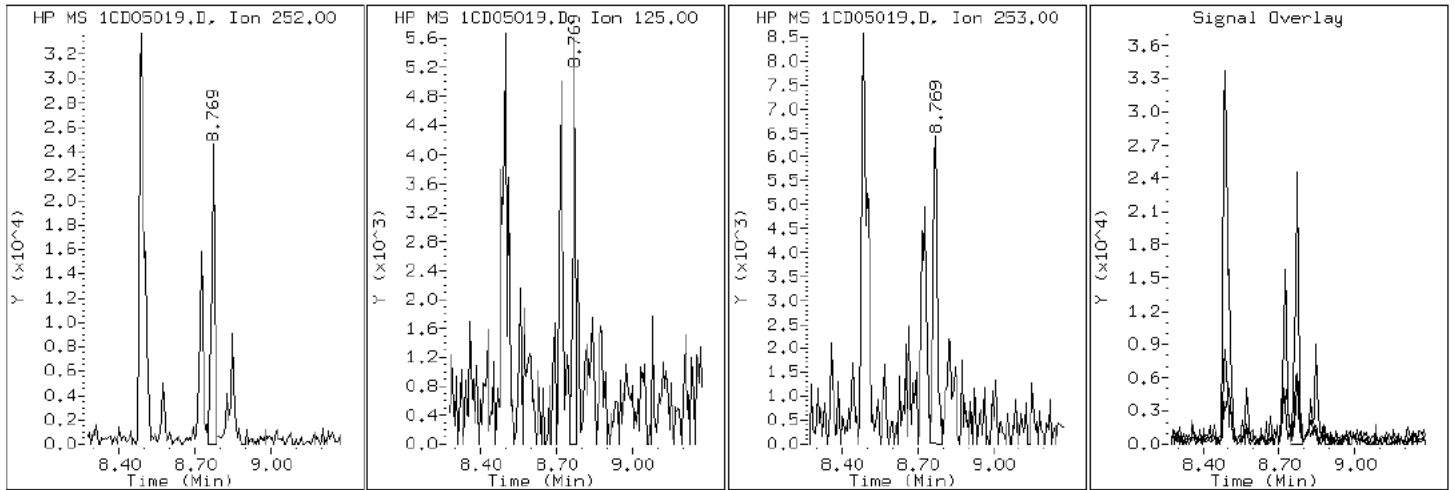
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

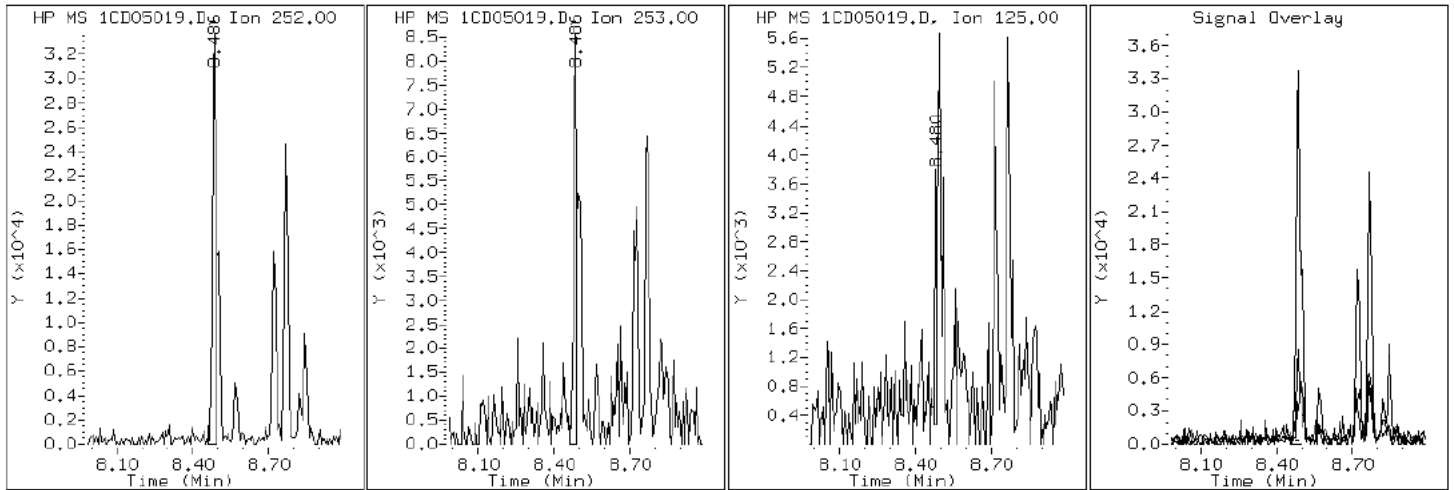
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

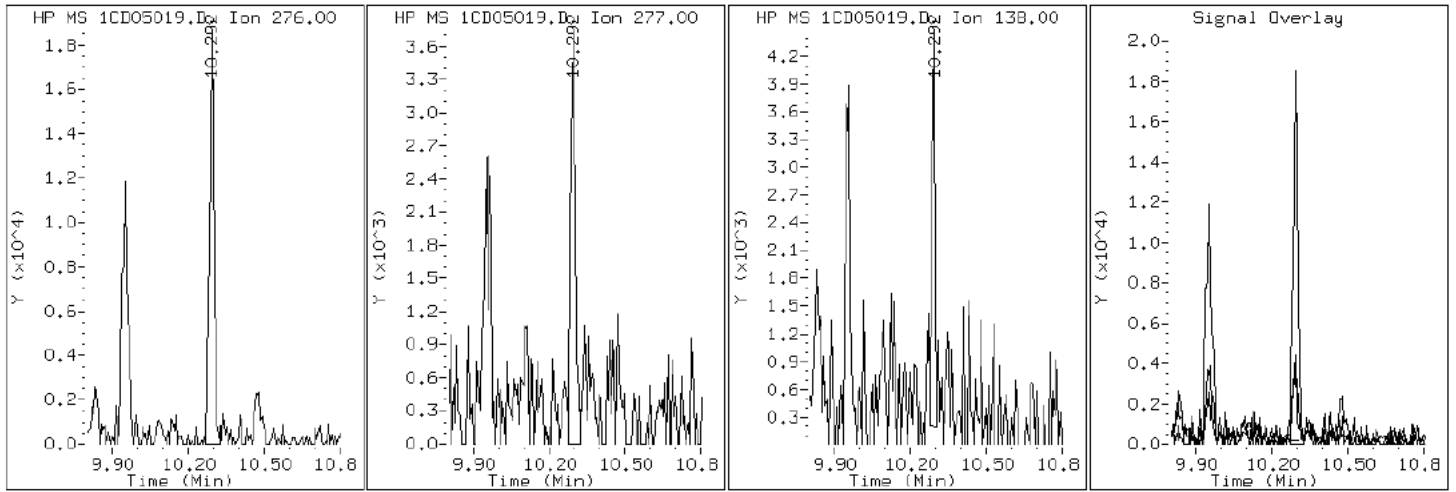
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

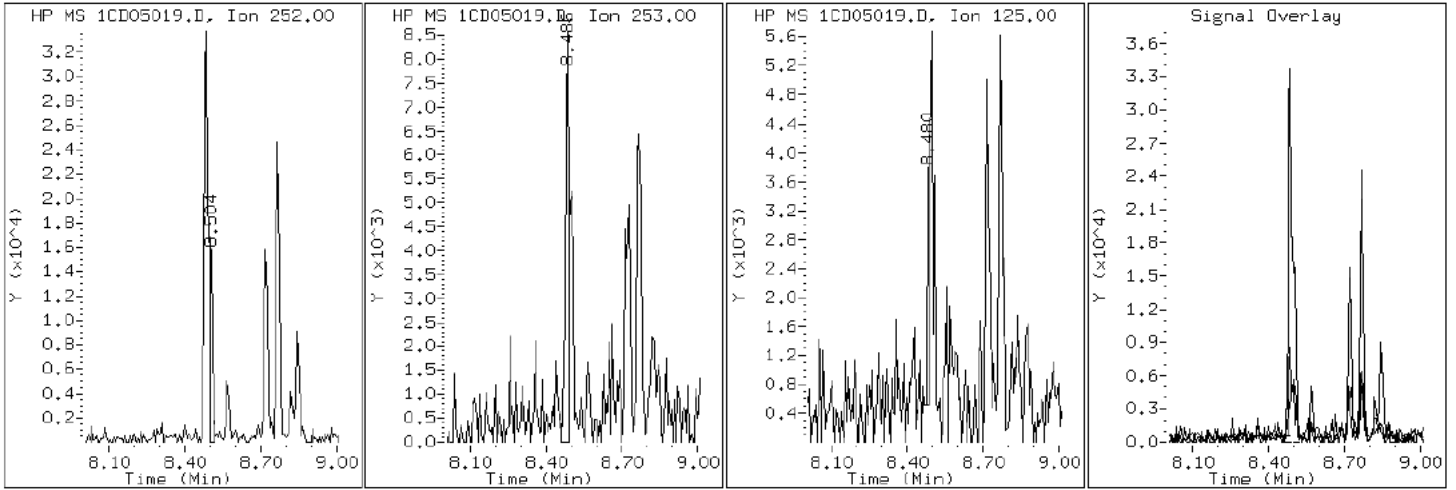
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

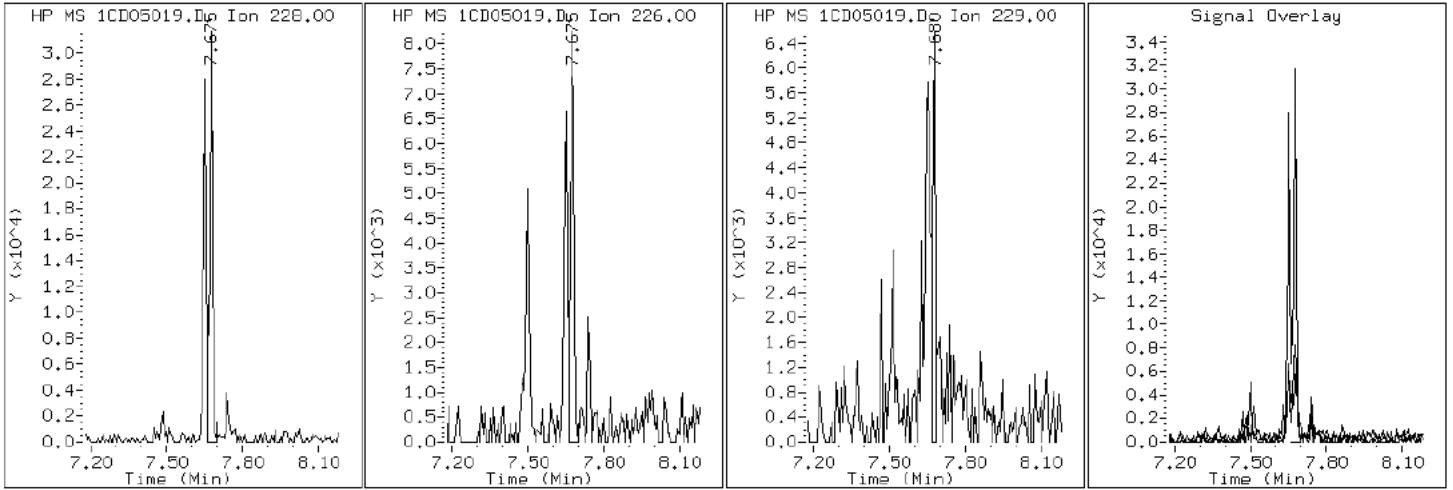
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

19 Chrysene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

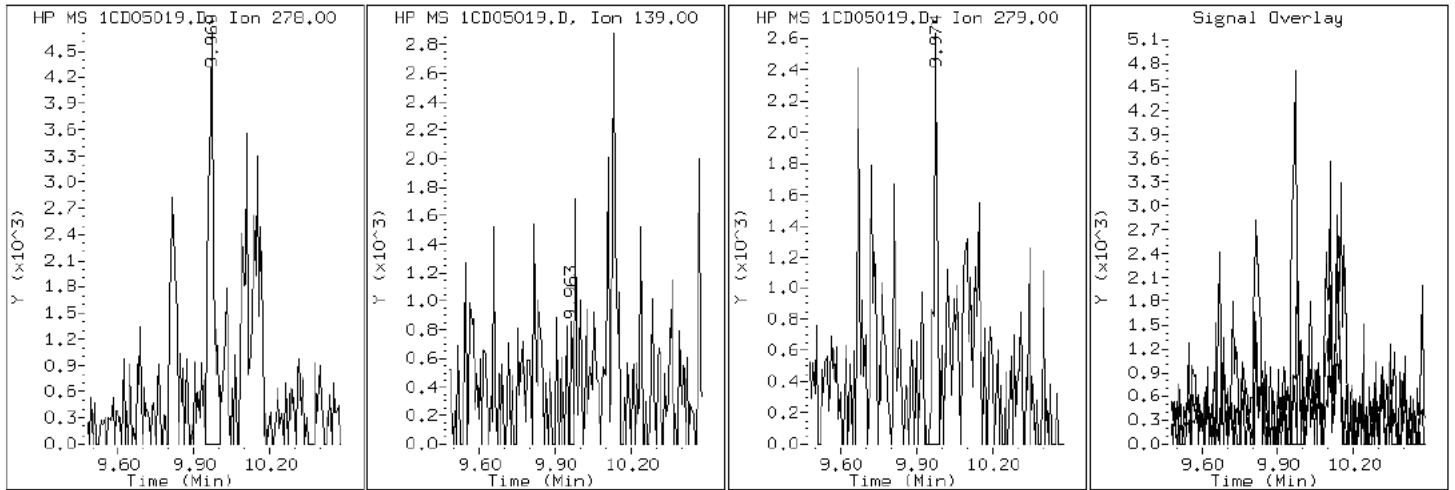
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

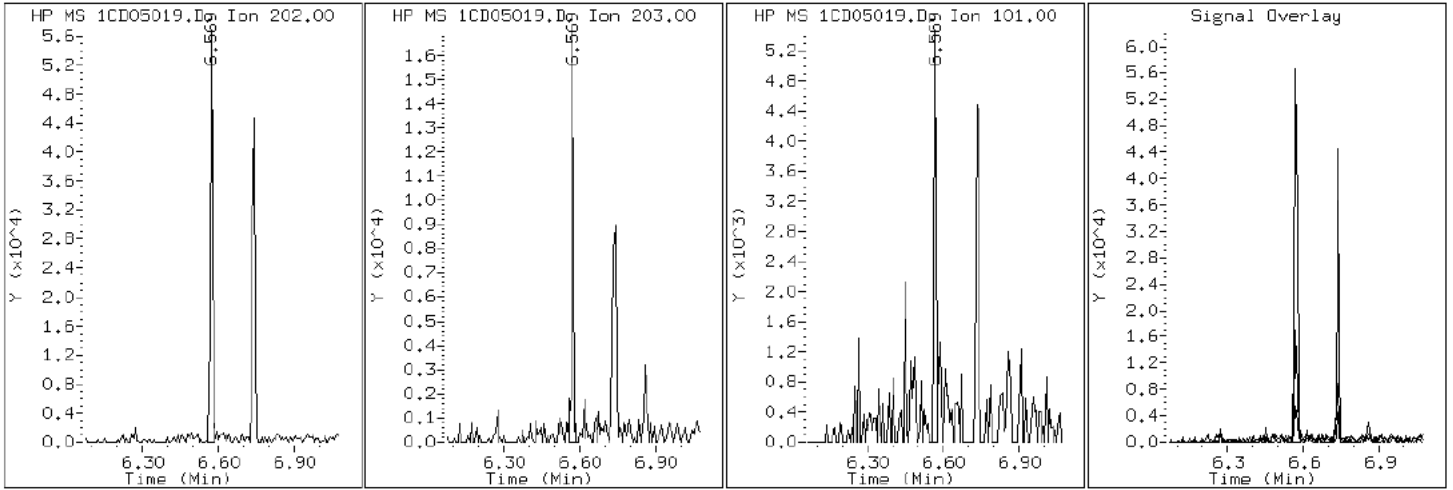
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

15 Fluoranthene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

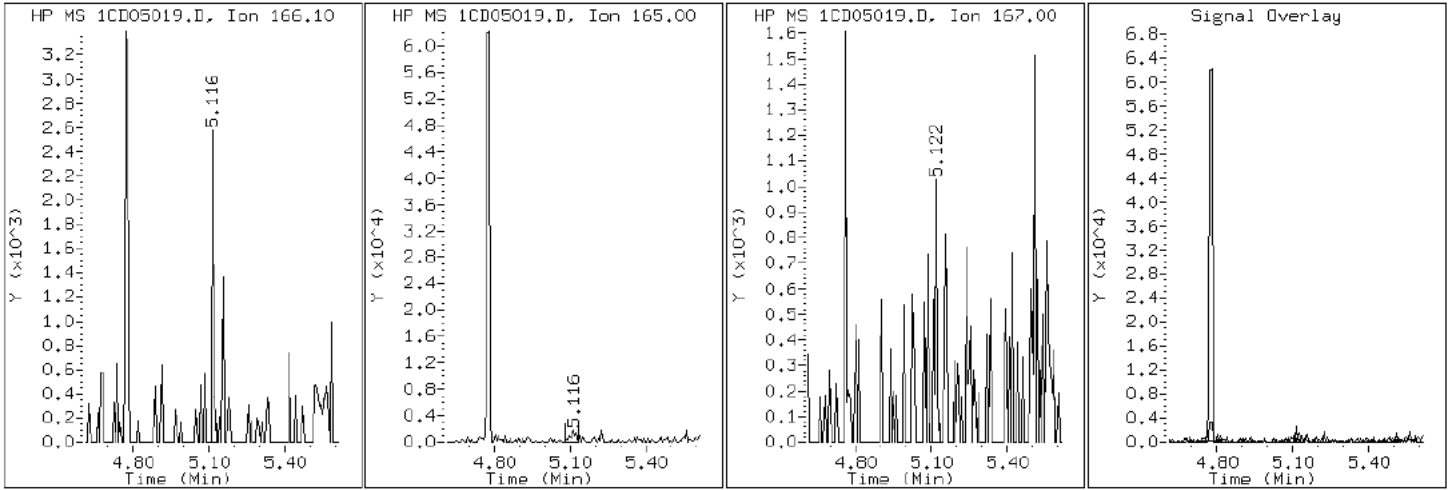
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

9 Fluorene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

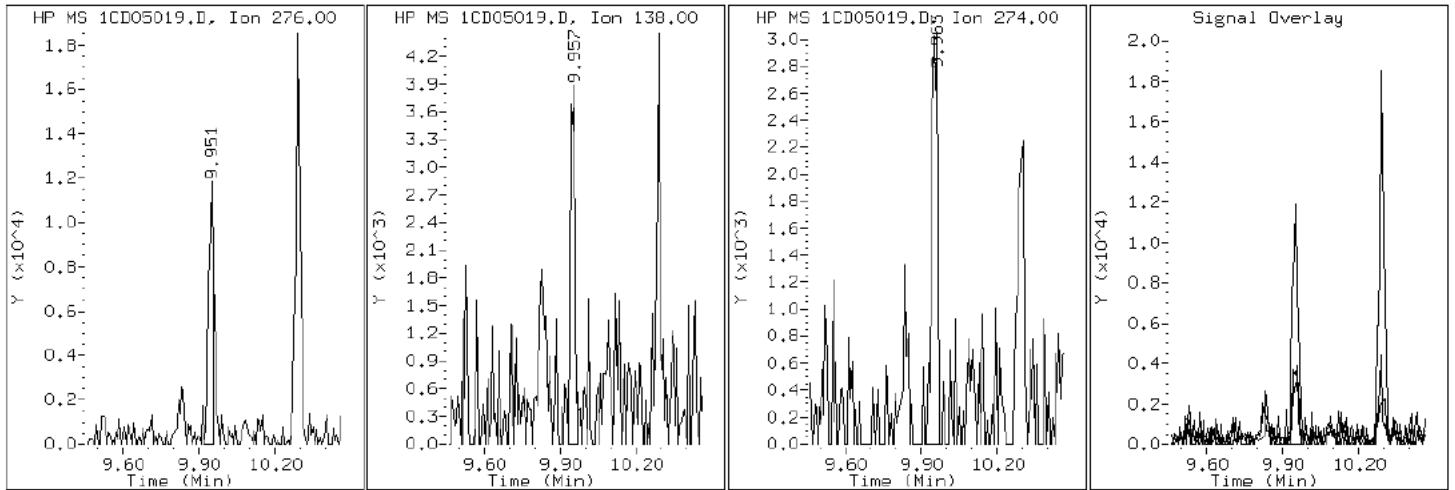
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

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



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

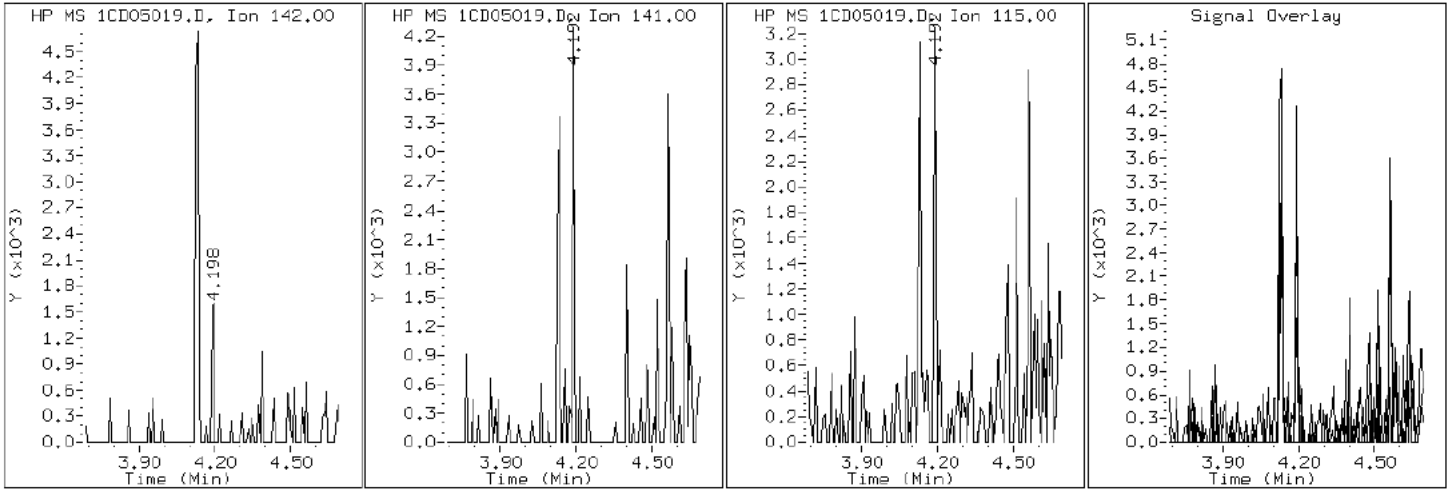
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

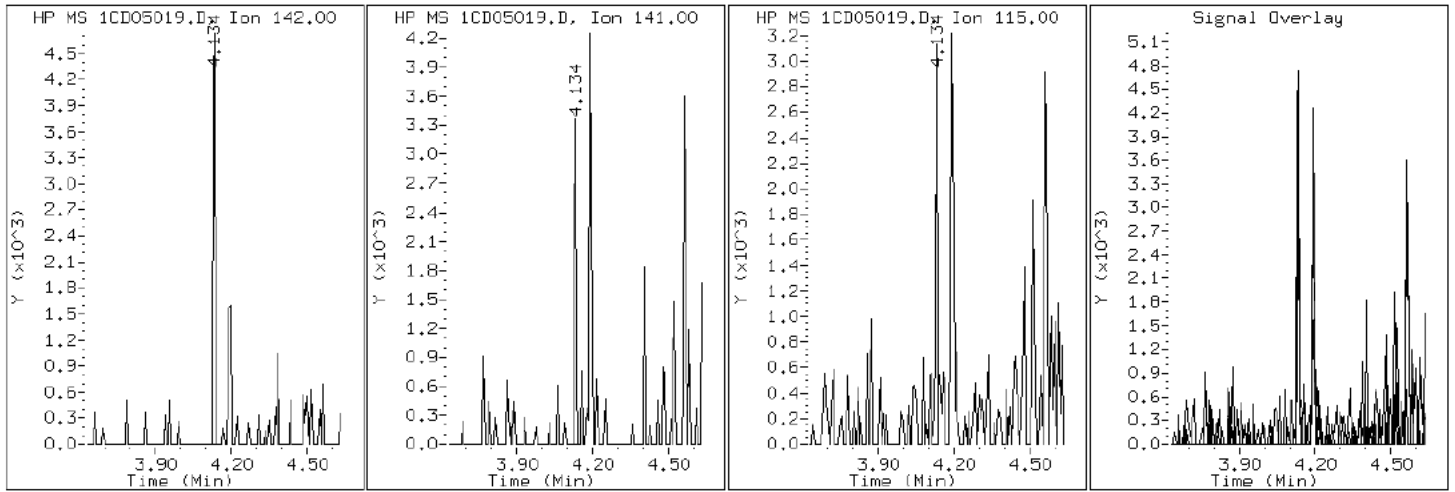
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

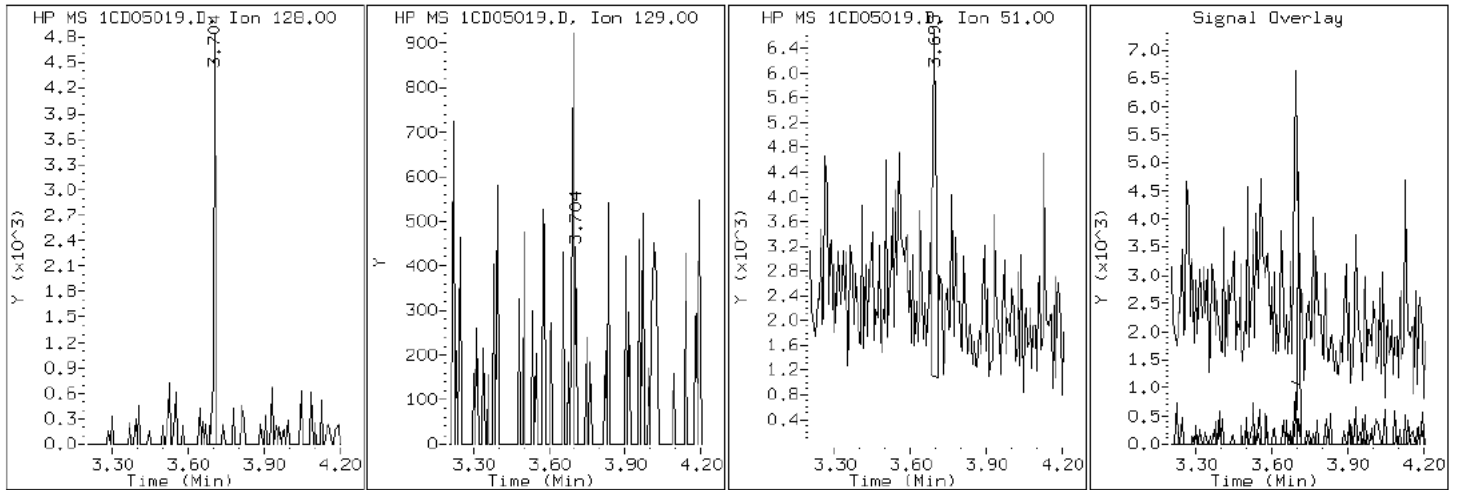
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

2 Naphthalene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

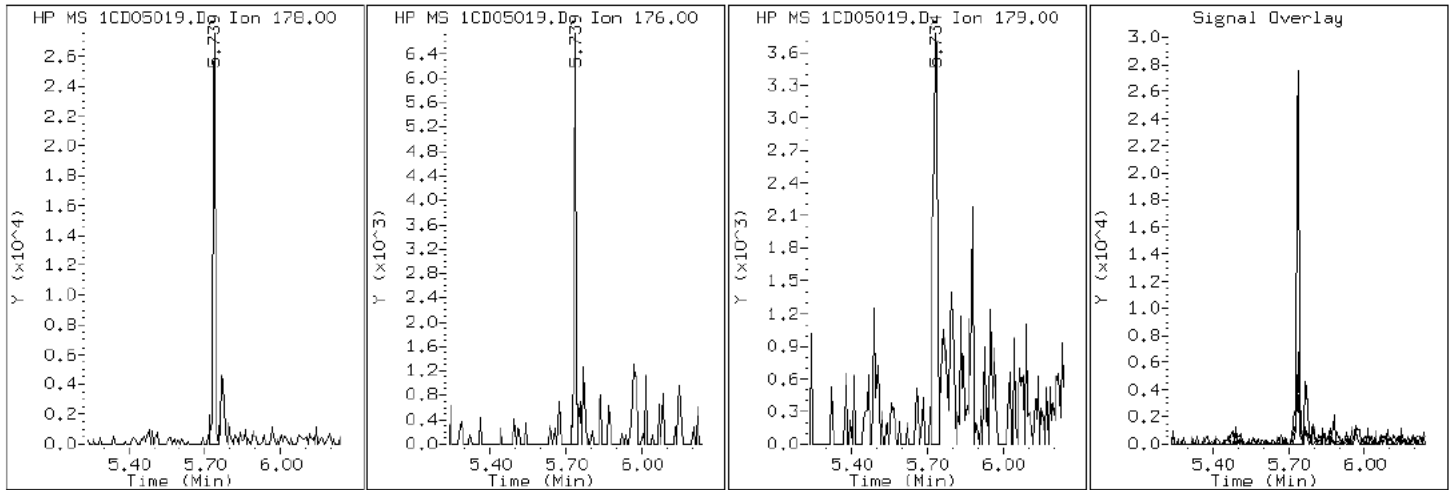
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

11 Phenanthrene



Data File: 1CD05019.D

Date: 05-APR-2013 16:57

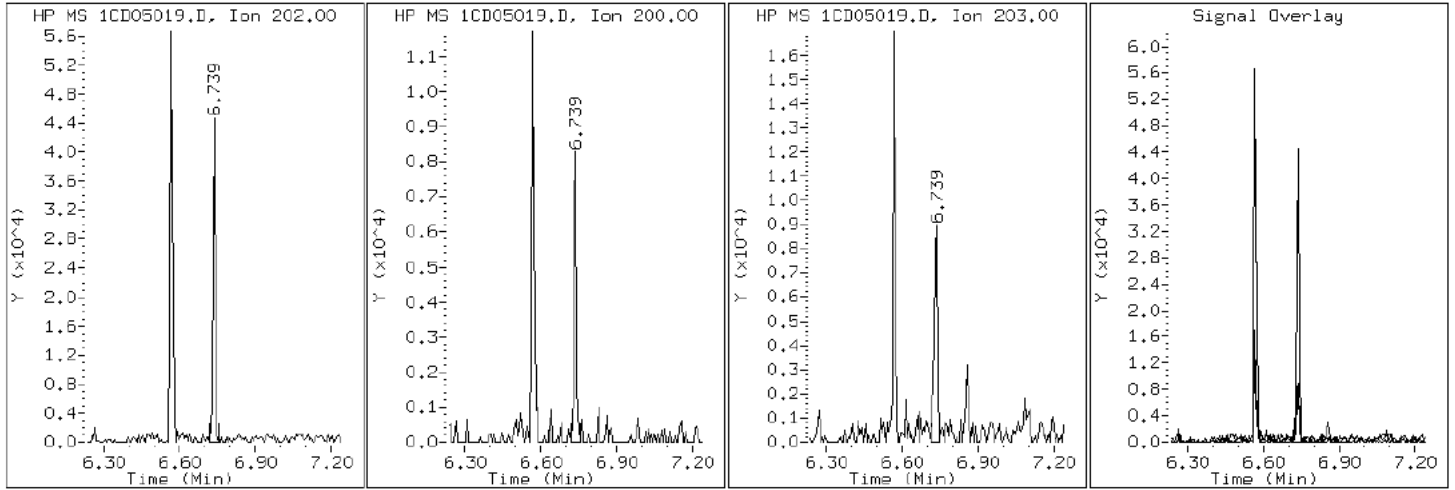
Client ID: CV0509CC-CSD

Instrument: BSMC5973.i

Sample Info: 680-88767-a-40-a

Operator: SCC

16 Pyrene

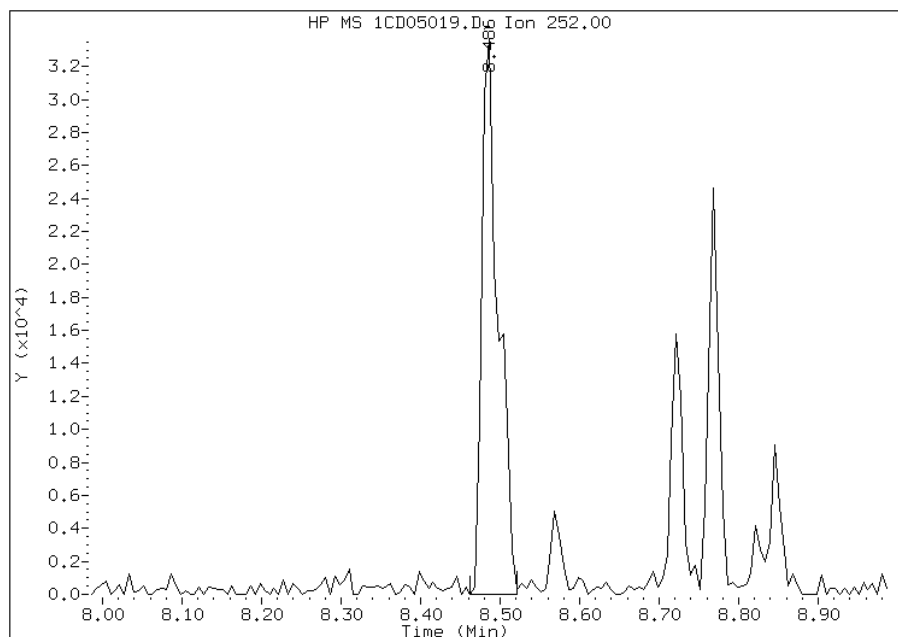


Manual Integration Report

Data File: 1CD05019.D
Inj. Date and Time: 05-APR-2013 16:57
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CSD
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/09/2013

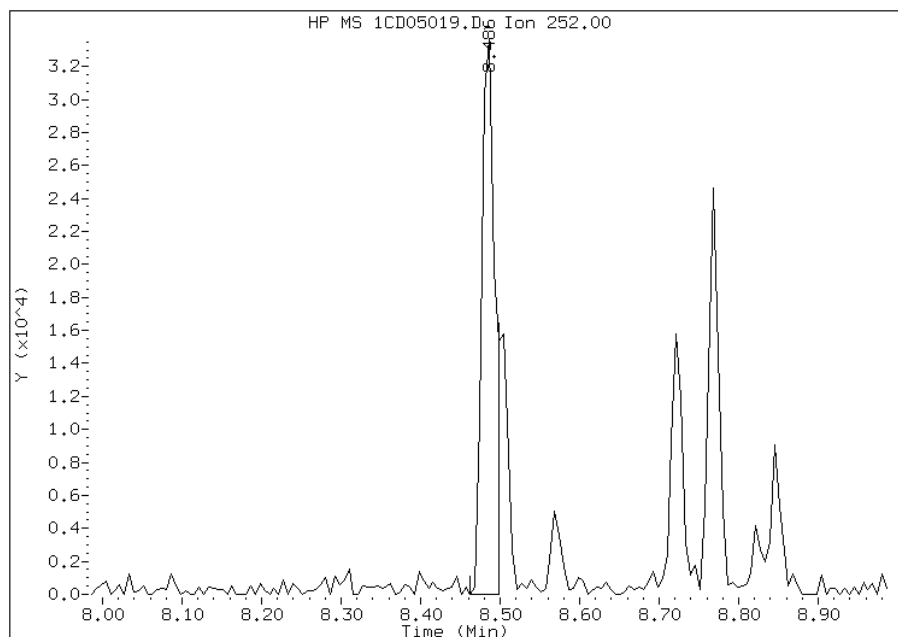
Processing Integration Results

RT: 8.49
Response: 48465
Amount: 2
Conc: 689



Manual Integration Results

RT: 8.49
Response: 38815
Amount: 2
Conc: 552



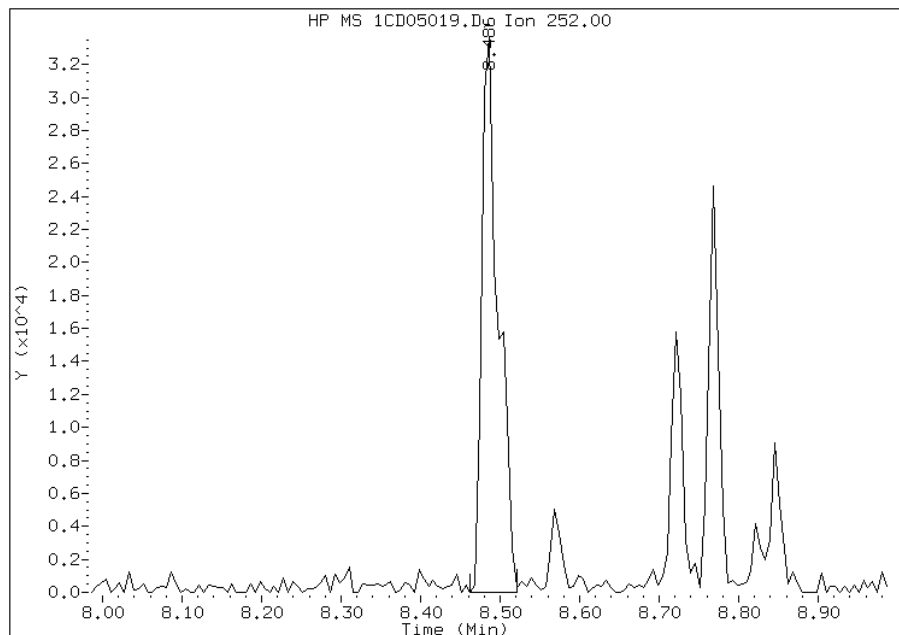
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:11
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD05019.D
Inj. Date and Time: 05-APR-2013 16:57
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CSD
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

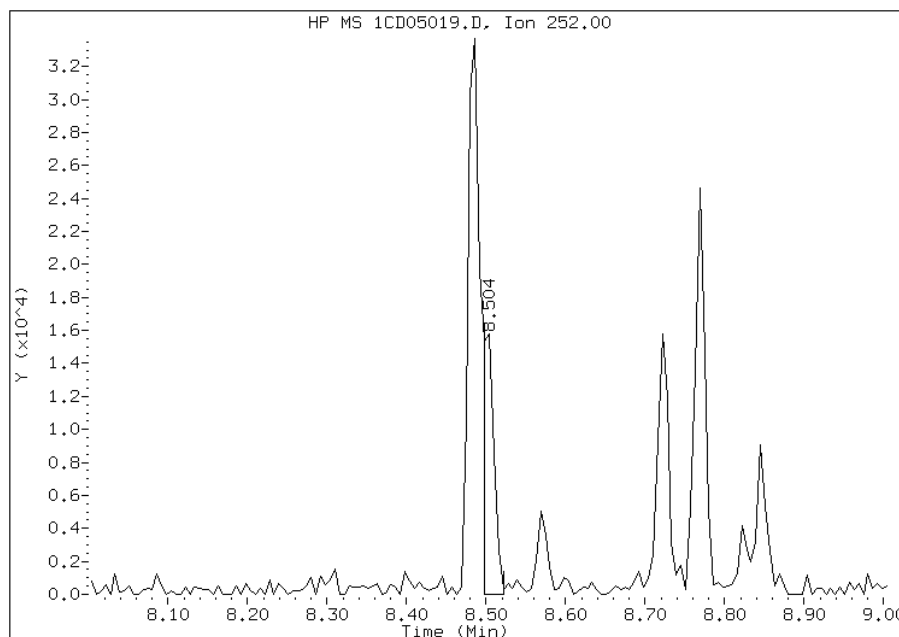
Processing Integration Results

RT: 8.49
Response: 48465
Amount: 2
Conc: 713



Manual Integration Results

RT: 8.50
Response: 15025
Amount: 1
Conc: 221



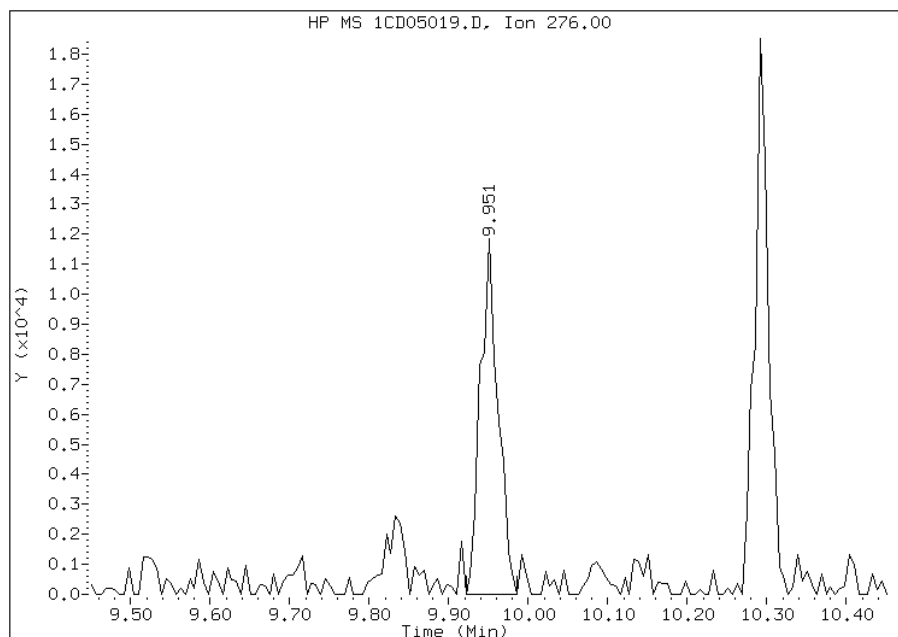
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:11
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD05019.D
Inj. Date and Time: 05-APR-2013 16:57
Instrument ID: BSMC5973.i
Client ID: CV0509CC-CSD
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

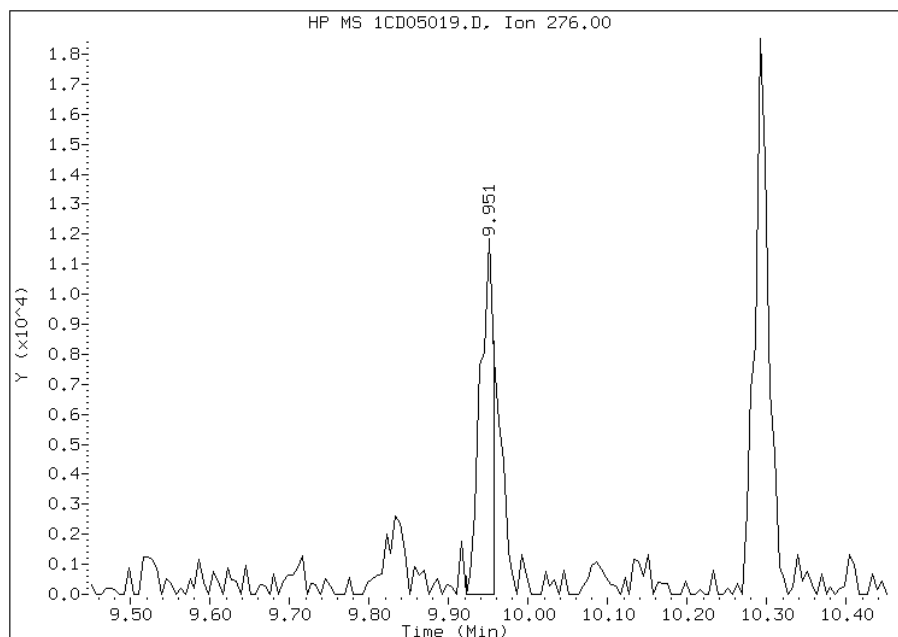
Processing Integration Results

RT: 9.95
Response: 18040
Amount: 1
Conc: 287



Manual Integration Results

RT: 9.95
Response: 13681
Amount: 1
Conc: 218



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:12
Manual Integration Reason: Split Peak

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

Lab Name: TestAmerica Tampa Job No.: 680-88767-2 Analy Batch No.: 136048

SDG No.: 68088767-2

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

Calibration Start Date: 04/02/2013 13:26 Calibration End Date: 04/02/2013 15:15 Calibration ID: 2859

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136048/5	1CD02005.D
Level 2	IC 660-136048/6	1CD02006.D
Level 3	IC 660-136048/7	1CD02007.D
Level 4	IC 660-136048/8	1CD02008.D
Level 5	ICIS 660-136048/9	1CD02009.D
Level 6	IC 660-136048/10	1CD02010.D
Level 7	IC 660-136048/11	1CD02011.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	0.9951 1.0462	0.9249 1.0491	1.1511	1.0146	1.0107	Ave		1.0274			0.0000	6.7		15.0			
2-Methylnaphthalene	0.7586 0.6820	0.6817 0.7025	0.6887	0.7485	0.6335	Ave		0.6994			0.0000	6.1		15.0			
1-Methylnaphthalene	0.7248 0.6605	0.4518 0.6576	0.6481	0.6089	0.6533	Ave		0.6293			0.0000	13.6		15.0			
Acenaphthylene	1.4345 1.7430	1.5801 1.7453	1.7015	1.6743	1.7098	Ave		1.6555			0.0000	6.8		15.0			
Acenaphthene	0.8041 1.0063	1.3709 1.0300	0.9518	0.9544	1.0574	Lin		1.0254			0.0000				0.9993		0.9900
Fluorene	1.2800 1.3623	1.5080 1.3691	1.4076	1.2955	1.3459	Ave		1.3669			0.0000	5.6		15.0			
Phenanthrene	1.2753 1.1465	1.1377 1.2101	1.1311	1.1382	1.1160	Ave		1.1650			0.0000	4.9		15.0			
Anthracene	1.2299 1.2077	1.1082 1.2343	1.1512	1.1740	1.1613	Ave		1.1810			0.0000	3.9		15.0			
Carbazole	0.9389 1.0577	0.8968 1.0652	1.0685	0.9845	1.0709	Ave		1.0118			0.0000	7.1		15.0			
Fluoranthene	1.0844 1.3160	1.1991 1.4023	1.3527	1.3181	1.3335	Ave		1.2866			0.0000	8.4		15.0			
Pyrene	1.0454 1.1504	1.0946 1.1474	1.1166	1.0638	1.1380	Ave		1.1080			0.0000	3.8		15.0			
Benzo[a]anthracene	1.9586 1.1436	1.3015 1.1642	1.1246	1.1267	1.1237	Lin	0.0034	1.1590			0.0000				0.9997		0.9900
Chrysene	1.0137 1.1434	1.2130 1.1619	1.2029	1.1145	1.1295	Ave		1.1398			0.0000	5.8		15.0			
Benzo[b]fluoranthene	1.4007 1.0698	0.9300 1.1884	1.1544	1.1244	1.0480	Ave		1.1308			0.0000	12.9		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.: 680-88767-2 Analy Batch No.: 136048
 SDG No.: 68088767-2
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N
 Calibration Start Date: 04/02/2013 13:26 Calibration End Date: 04/02/2013 15:15 Calibration ID: 2859

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	0.9952 1.1459	1.0465 1.1495	1.1058	1.1151	1.0979	Ave		1.0937			0.0000	5.1	15.0				
Benzo[a]pyrene	1.2128 1.0446	0.9589 1.1556	1.0227	1.0341	1.0238	Ave		1.0647			0.0000	8.2	15.0				
Indeno[1,2,3-cd]pyrene	1.2338 1.0436	0.9049 1.0226	1.0384	0.9595	0.8756	Ave		1.0112			0.0000	11.7	15.0				
Dibenz(a,h)anthracene	0.9208 0.9567	0.9397 0.9834	0.8833	0.9304	0.9246	Ave		0.9341			0.0000	3.3	15.0				
Benzo[g,h,i]perylene	1.0683 1.0751	0.9692 1.0455	1.0646	1.0048	0.9970	Ave		1.0321			0.0000	4.0	15.0				
o-Terphenyl	0.8162 0.5958	0.5068 0.6604	0.5759	0.6060	0.6022	Lin	0.0181	0.6529			0.0000			0.9966		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.: 680-88767-2 Analy B

SDG No.: 68088767-2

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated

Calibration Start Date: 04/02/2013 13:26 Calibration End Date: 04/02/2013 15:15 Calibra

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136048/5	1CD02005.D
Level 2	IC 660-136048/6	1CD02006.D
Level 3	IC 660-136048/7	1CD02007.D
Level 4	IC 660-136048/8	1CD02008.D
Level 5	ICIS 660-136048/9	1CD02009.D
Level 6	IC 660-136048/10	1CD02010.D
Level 7	IC 660-136048/11	1CD02011.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CO	
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7
Naphthalene	NPT	Ave	2264 350333	10440 668649	65815	121970	253190	0.200 30.0	1 50
2-Methylnaphthalene	NPT	Ave	1726 228375	7695 447751	39376	89978	158694	0.200 30.0	1 50
1-Methylnaphthalene	NPT	Ave	1649 221182	5100 419135	37056	73198	163647	0.200 30.0	1 50
Acenaphthylene	ANT	Ave	2387 423924	12563 814053	70473	148174	308909	0.200 30.0	1 50
Acenaphthene	ANT	Lin	1338 244735	10900 480392	39421	84460	191043	0.200 30.0	1 50
Fluorene	ANT	Ave	2130 331328	11990 638557	58298	114648	243174	0.200 30.0	1 50
Phenanthrene	PHN	Ave	3900 529536	16838 1077014	88442	194036	392252	0.200 30.0	1 50
Anthracene	PHN	Ave	3761 557837	16401 1098599	90016	200131	408192	0.200 30.0	1 50
Carbazole	PHN	Ave	2871 488550	13272 948101	83549	167822	376402	0.200 30.0	1 50
Fluoranthene	PHN	Ave	3316 607836	17746 1248081	105772	224705	468708	0.200 30.0	1 50
Pyrene	CRY	Ave	4087 663294	20532 1360548	109963	236267	498076	0.200 30.0	1 50
Benzo[a]anthracene	CRY	Lin	7657 659379	24413 1380443	110756	250220	491852	0.200 30.0	1 50
Chrysene	CRY	Ave	3963 659226	22752 1377767	118460	247512	494376	0.200 30.0	1 50
Benzo[b]fluoranthene	PRY	Ave	5890 671785	19731 1443812	127315	261073	494109	0.200 30.0	1 50
Benzo[k]fluoranthene	PRY	Ave	4185 719552	22203 1396501	121957	258924	517620	0.200 30.0	1 50
Benzo[a]pyrene	PRY	Ave	5100 655944	20343 1403971	112782	240110	482722	0.200 30.0	1 50
Indeno[1,2,3-cd]pyrene	PRY	Ave	5188 655344	19198 1242391	114519	222795	412839	0.200 30.0	1 50
Dibenz(a,h)anthracene	PRY	Ave	3872 600720	19937 1194691	97409	216036	435940	0.200 30.0	1 50
Benzo[g,h,i]perylene	PRY	Ave	4492 675124	20561 1270187	117403	233308	470085	0.200 30.0	1 50
o-Terphenyl	PHN	Lin	2496 275212	7501 587824	45027	103309	211673	0.200 30.0	1 50

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02005.D
 Lab Smp Id: IC1
 Inj Date : 02-APR-2013 13:26
 Operator : SCC
 Smp Info : IC1
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.710	3.710	(1.000)	455021	40.0000	
* 6 Acenaphthene-d10	164	4.804	4.804	(1.000)	332800	40.0000	
* 10 Phenanthrene-d10	188	5.757	5.757	(1.000)	611597	40.0000	
\$ 14 o-Terphenyl	230	6.004	6.004	(1.043)	2496	0.20000	0.2618
* 18 Chrysene-d12	240	7.704	7.704	(1.000)	781900	40.0000	
* 23 Perylene-d12	264	8.909	8.909	(1.000)	841000	40.0000	(H)
2 Naphthalene	128	3.727	3.727	(1.005)	2264	0.20000	0.1937
3 2-Methylnaphthalene	142	4.157	4.157	(1.120)	1726	0.20000	0.2169
4 1-Methylnaphthalene	142	4.216	4.216	(1.136)	1649	0.20000	0.2303
5 Acenaphthylene	152	4.716	4.716	(0.982)	2387	0.20000	0.1733
7 Acenaphthene	154	4.821	4.821	(1.004)	1338	0.20000	0.1568(Q)
9 Fluorene	166	5.145	5.145	(1.071)	2130	0.20000	0.1872
11 Phenanthrene	178	5.768	5.768	(1.002)	3900	0.20000	0.2189
12 Anthracene	178	5.804	5.804	(1.008)	3761	0.20000	0.2082
13 Carbazole	167	5.915	5.915	(1.028)	2871	0.20000	0.1855
15 Fluoranthene	202	6.604	6.604	(1.147)	3316	0.20000	0.1685
16 Pyrene	202	6.774	6.774	(0.879)	4087	0.20000	0.1886
17 Benzo(a)anthracene	228	7.698	7.698	(0.999)	7657	0.20000	0.3066
19 Chrysene	228	7.727	7.727	(1.003)	3963	0.20000	0.1778
20 Benzo(b)fluoranthene	252	8.562	8.562	(0.961)	5890	0.20000	0.2477(H)
21 Benzo(k)fluoranthene	252	8.586	8.586	(0.964)	4185	0.20000	0.1819(H)
22 Benzo(a)pyrene	252	8.851	8.851	(0.993)	5100	0.20000	0.2278(H)
24 Indeno(1,2,3-cd)pyrene	276	10.062	10.062	(1.129)	5188	0.20000	0.2440
25 Dibenzo(a,h)anthracene	278	10.086	10.086	(1.132)	3872	0.20000	0.1971(MH)
26 Benzo(g,h,i)perylene	276	10.415	10.415	(1.169)	4492	0.20000	0.2070(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: 1CD02005.D

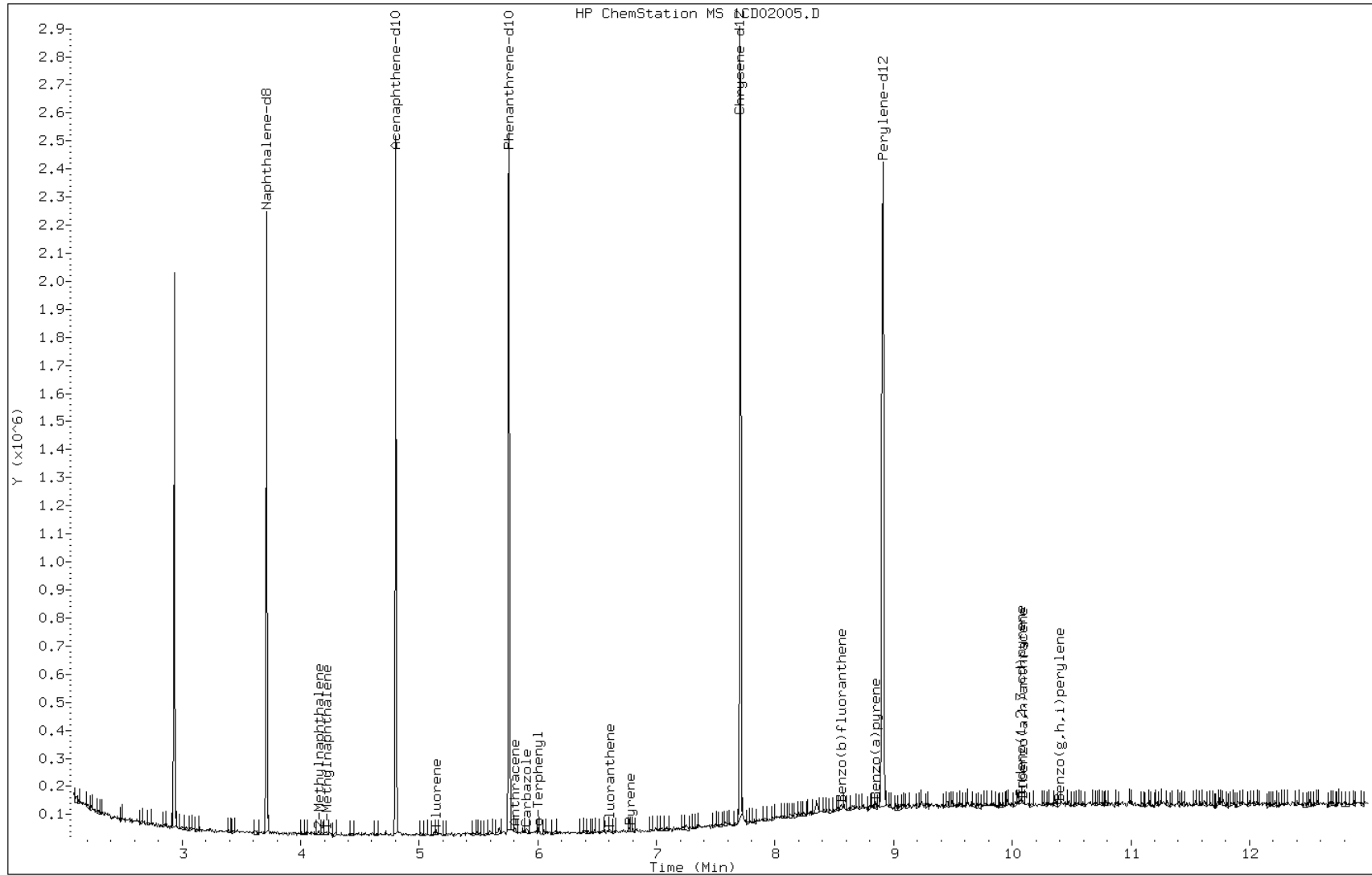
Date: 02-APR-2013 13:26

Client ID:

Instrument: BSMC5973.i

Sample Info: IC1

Operator: SCC

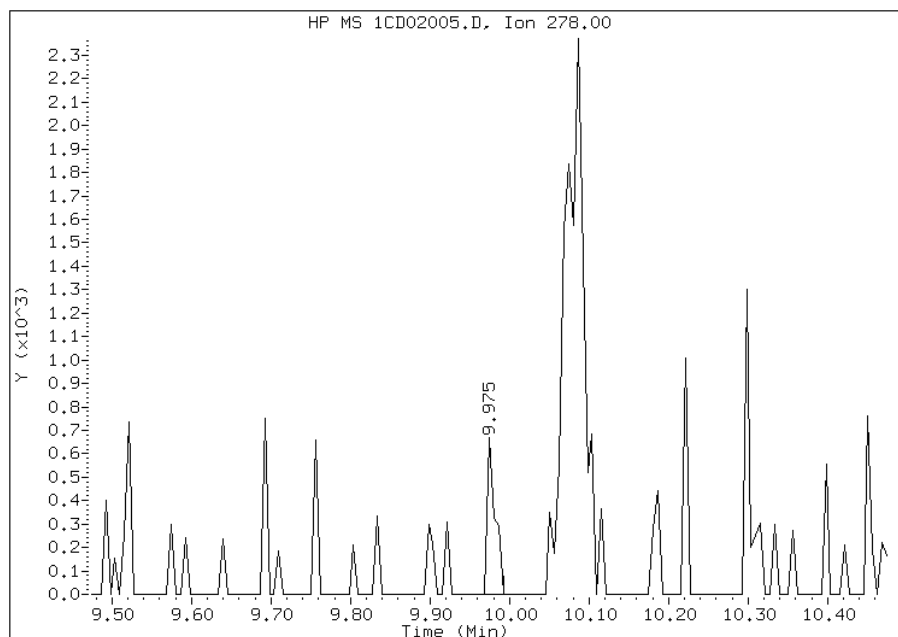


Manual Integration Report

Data File: 1CD02005.D
Inj. Date and Time: 02-APR-2013 13:26
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/02/2013

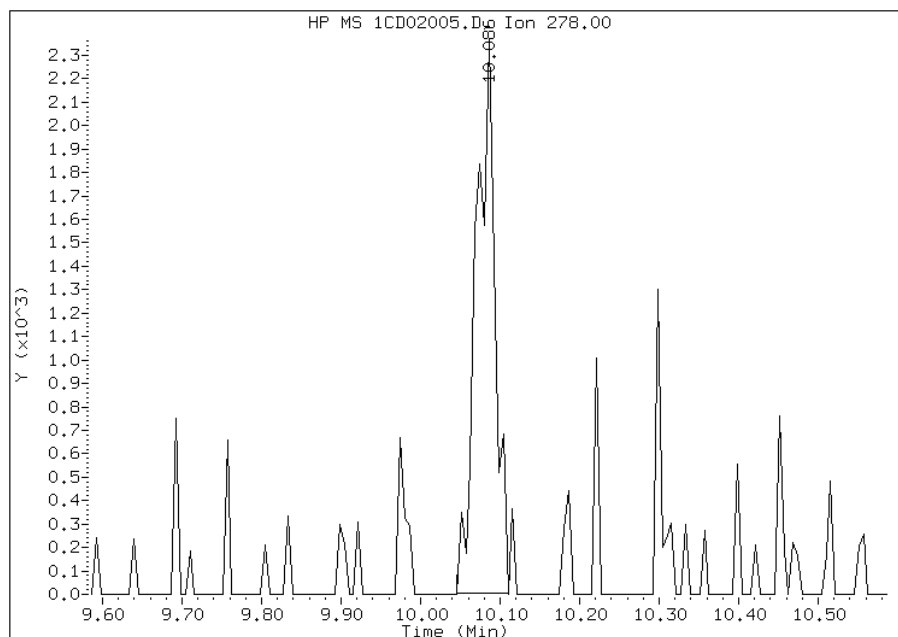
Processing Integration Results

RT: 9.97
Response: 454
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.09
Response: 3872
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:44
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02006.D
 Lab Smp Id: IC2
 Inj Date : 02-APR-2013 13:44
 Operator : SCC
 Smp Info : IC2
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 13:26 Cal File: 1CD02005.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					
			CAL-AMT	ON-COL	MASS	RT	EXP RT	REL RT
* 1 Naphthalene-d8	136		40.0000		3.710	3.710	(1.000)	451517
* 6 Acenaphthene-d10	164		40.0000		4.798	4.798	(1.000)	318036
* 10 Phenanthrene-d10	188		40.0000		5.745	5.745	(1.000)	591987
\$ 14 o-Terphenyl	230		1.00000	0.8130	5.998	5.998	(1.044)	7501
* 18 Chrysene-d12	240		40.0000	(H)	7.686	7.686	(1.000)	750291
* 23 Perylene-d12	264		40.0000	(H)	8.862	8.862	(1.000)	848618
2 Naphthalene	128		1.00000	0.9002	3.727	3.727	(1.005)	10440
3 2-Methylnaphthalene	142		1.00000	0.9747	4.151	4.151	(1.119)	7695
4 1-Methylnaphthalene	142		1.00000	0.7179(Q)	4.216	4.216	(1.136)	5100
5 Acenaphthylene	152		1.00000	0.9544	4.710	4.710	(0.982)	12563
7 Acenaphthene	154		1.00000	1.3375(Q)	4.821	4.821	(1.005)	10900
9 Fluorene	166		1.00000	1.1032	5.139	5.139	(1.071)	11990
11 Phenanthrene	178		1.00000	0.9766	5.762	5.762	(1.003)	16838
12 Anthracene	178		1.00000	0.9383	5.798	5.798	(1.009)	16401
13 Carbazole	167		1.00000	0.8863	5.904	5.904	(1.028)	13272
15 Fluoranthene	202		1.00000	0.9319	6.598	6.598	(1.148)	17746
16 Pyrene	202		1.00000	0.9878(H)	6.762	6.762	(0.880)	20532
17 Benzo(a)anthracene	228		1.00000	1.0187(H)	7.680	7.680	(0.999)	24413
19 Chrysene	228		1.00000	1.0641	7.704	7.704	(1.002)	22752
20 Benzo(b)fluoranthene	252		1.00000	0.8224(H)	8.521	8.521	(0.962)	19731
21 Benzo(k)fluoranthene	252		1.00000	0.9568(H)	8.539	8.539	(0.963)	22203
22 Benzo(a)pyrene	252		1.00000	0.9006(H)	8.809	8.809	(0.994)	20343
24 Indeno(1,2,3-cd)pyrene	276		1.00000	0.8948(MH)	10.009	10.009	(1.129)	19198
25 Dibenzo(a,h)anthracene	278		1.00000	1.0060(H)	10.027	10.027	(1.131)	19937
26 Benzo(g,h,i)perylene	276		1.00000	0.9390(H)	10.356	10.356	(1.169)	20561

QC Flag Legend

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

Data File: 1CD02006.D

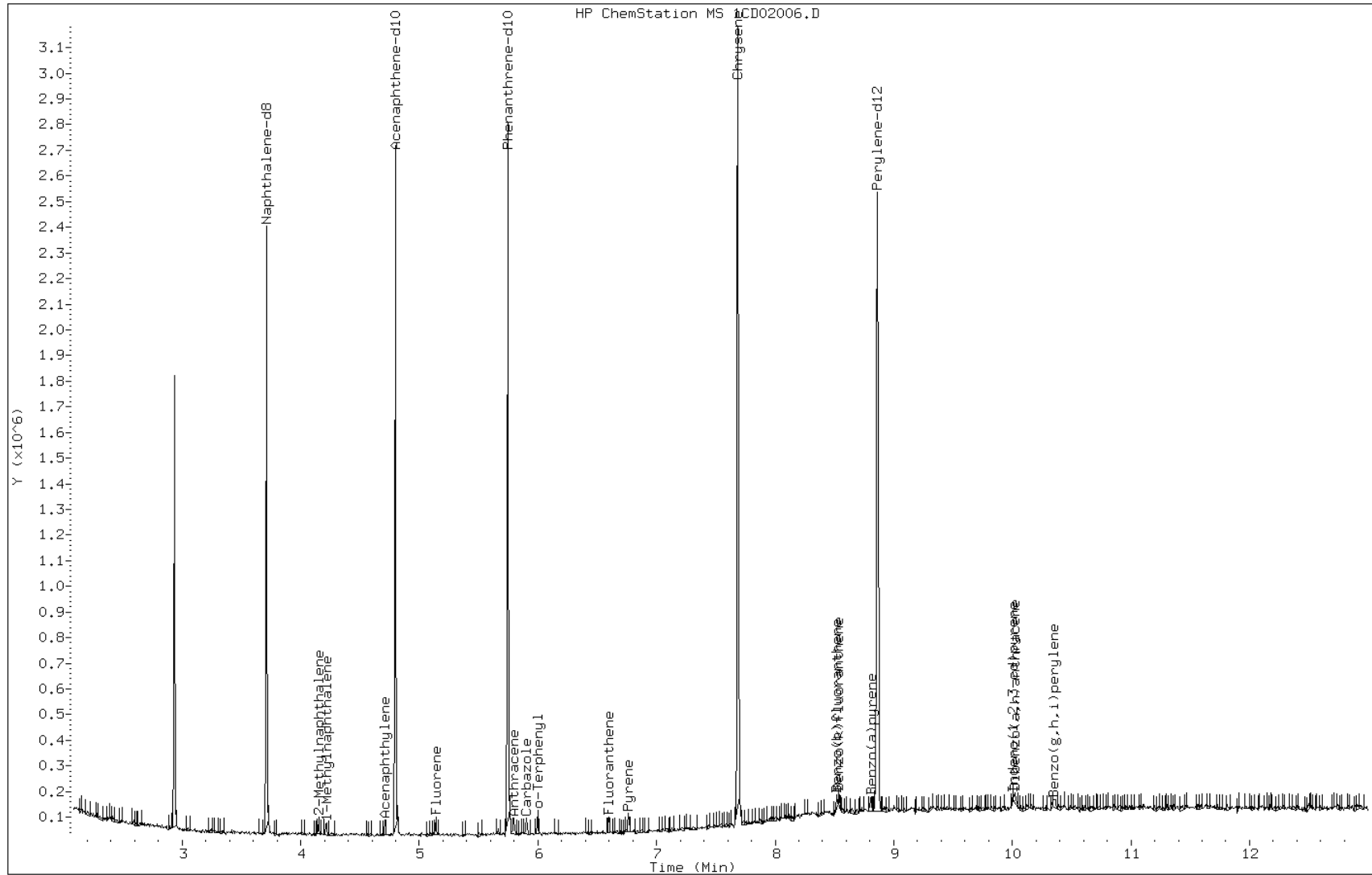
Date: 02-APR-2013 13:44

Client ID:

Instrument: BSMC5973.i

Sample Info: IC2

Operator: SCC

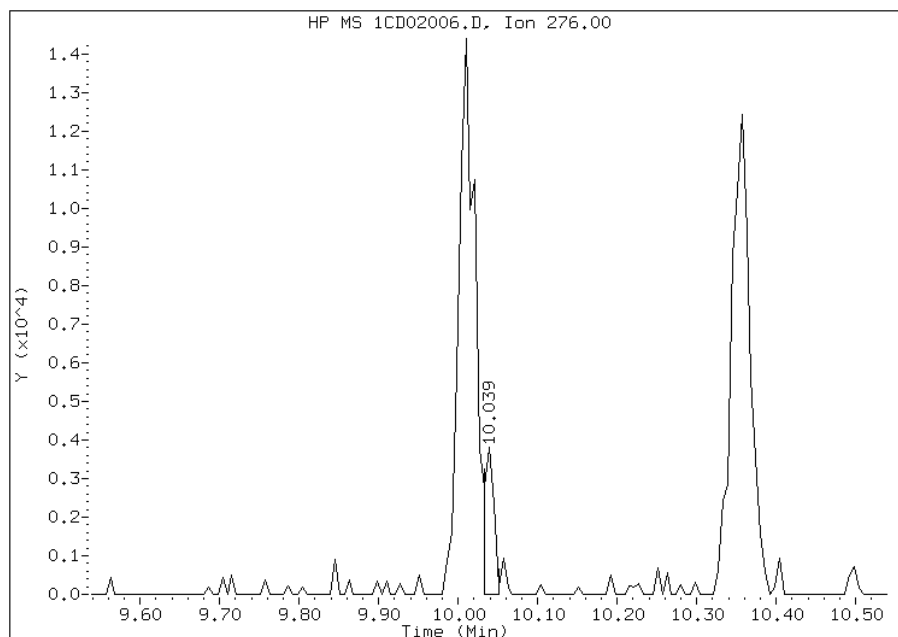


Manual Integration Report

Data File: 1CD02006.D
Inj. Date and Time: 02-APR-2013 13:44
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

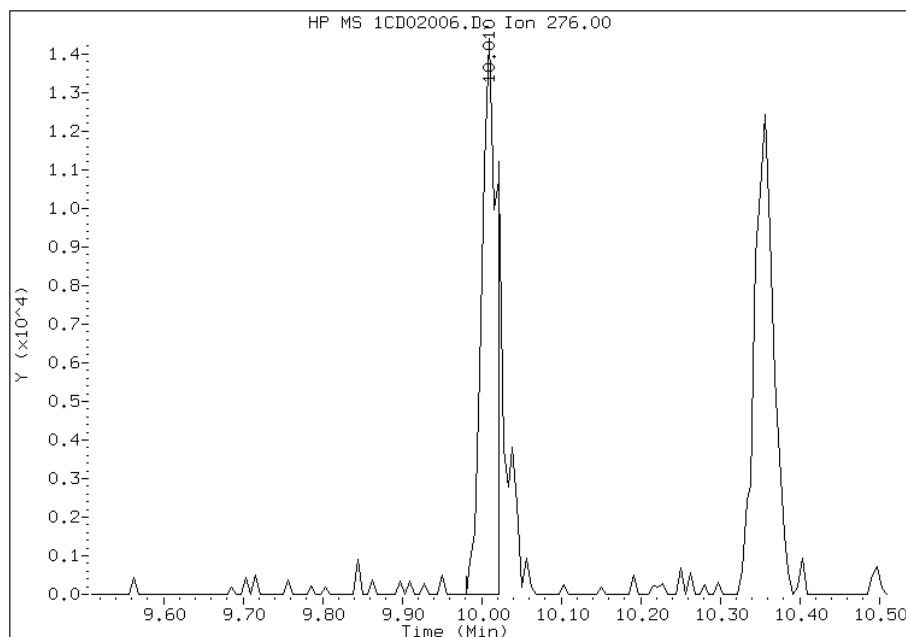
Processing Integration Results

RT: 10.04
Response: 3225
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.01
Response: 19198
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:45
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02007.D
 Lab Smp Id: IC3
 Inj Date : 02-APR-2013 14:02
 Operator : SCC
 Smp Info : IC3
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 13:44 Cal File: 1CD02006.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					
			CAL-AMT	ON-COL	MASS	RT	EXP RT	REL RT
* 1 Naphthalene-d8	136		40.0000		3.710	3.710	(1.000)	457408
* 6 Acenaphthene-d10	164		40.0000		4.798	4.798	(1.000)	331342
* 10 Phenanthrene-d10	188		40.0000		5.745	5.745	(1.000)	625535
\$ 14 o-Terphenyl	230		5.00000	4.6190	5.998	5.998	(1.044)	45027
* 18 Chrysene-d12	240		40.0000		7.686	7.686	(1.000)	787858
* 23 Perylene-d12	264		40.0000	(H)	8.856	8.856	(1.000)	882270
2 Naphthalene	128		5.00000	5.6020	3.727	3.727	(1.005)	65815
3 2-Methylnaphthalene	142		5.00000	4.9236	4.151	4.151	(1.119)	39376
4 1-Methylnaphthalene	142		5.00000	5.1494(Q)	4.216	4.216	(1.136)	37056
5 Acenaphthylene	152		5.00000	5.1389	4.710	4.710	(0.982)	70473
7 Acenaphthene	154		5.00000	4.6430	4.821	4.821	(1.005)	39421
9 Fluorene	166		5.00000	5.1486	5.139	5.139	(1.071)	58298
11 Phenanthrene	178		5.00000	4.8545	5.763	5.763	(1.003)	88442
12 Anthracene	178		5.00000	4.8741	5.792	5.792	(1.008)	90016
13 Carbazole	167		5.00000	5.2803	5.904	5.904	(1.028)	83549
15 Fluoranthene	202		5.00000	5.2570	6.598	6.598	(1.148)	105772
16 Pyrene	202		5.00000	5.0385	6.762	6.762	(0.880)	109963
17 Benzo(a)anthracene	228		5.00000	4.4014	7.674	7.674	(0.998)	110756
19 Chrysene	228		5.00000	5.2764(H)	7.704	7.704	(1.002)	118460
20 Benzo(b)fluoranthene	252		5.00000	5.1043	8.515	8.515	(0.961)	127315
21 Benzo(k)fluoranthene	252		5.00000	5.0554(H)	8.539	8.539	(0.964)	121957
22 Benzo(a)pyrene	252		5.00000	4.8027(H)	8.804	8.804	(0.994)	112782
24 Indeno(1,2,3-cd)pyrene	276		5.00000	5.1344(MH)	10.003	10.003	(1.129)	114519
25 Dibenzo(a,h)anthracene	278		5.00000	4.7277(H)	10.021	10.021	(1.131)	97409
26 Benzo(g,h,i)perylene	276		5.00000	5.1573(H)	10.345	10.345	(1.168)	117403

QC Flag Legend

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

Data File: 1CD02007.D

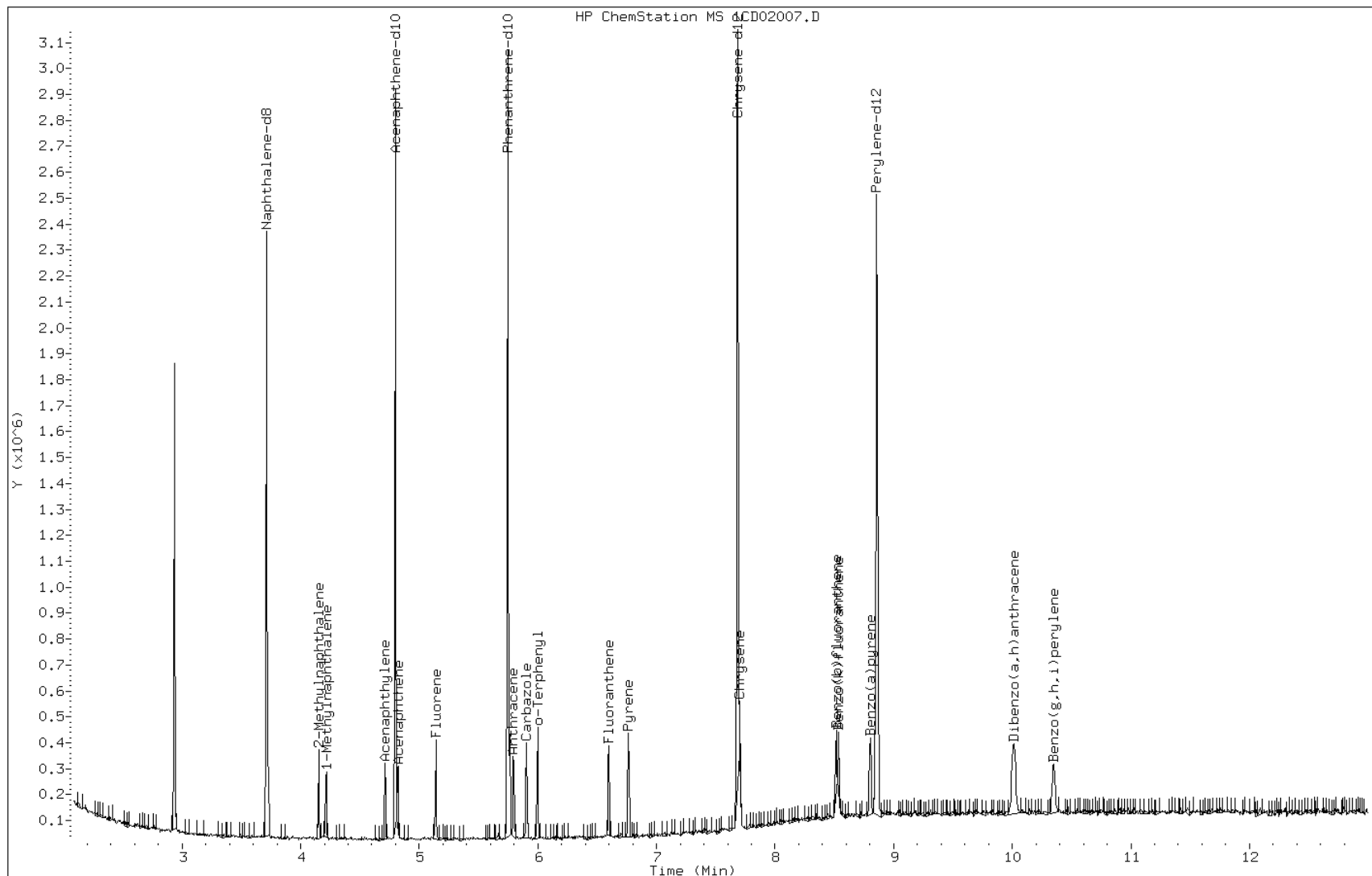
Date: 02-APR-2013 14:02

Client ID:

Instrument: BSMC5973.i

Sample Info: IC3

Operator: SCC

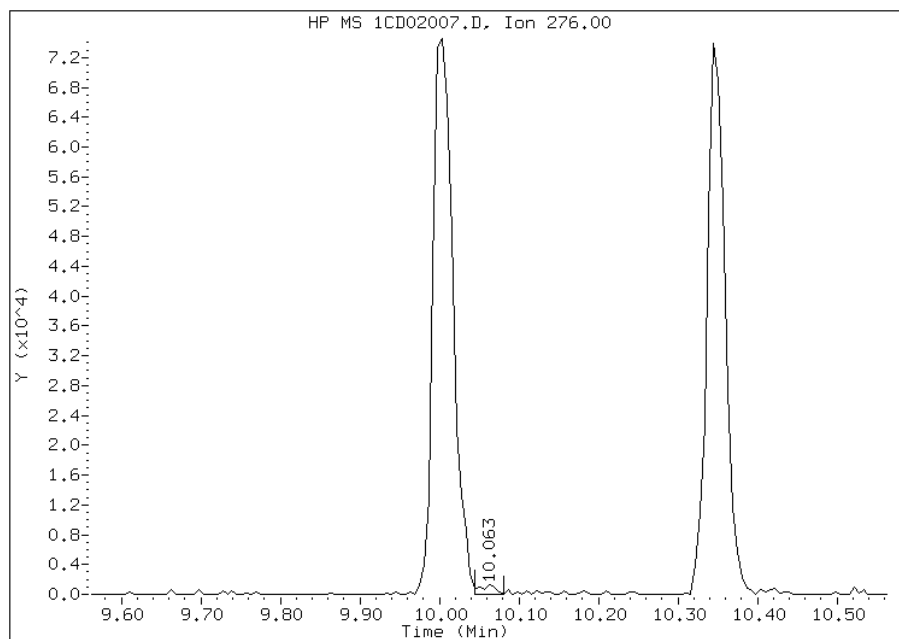


Manual Integration Report

Data File: 1CD02007.D
Inj. Date and Time: 02-APR-2013 14:02
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

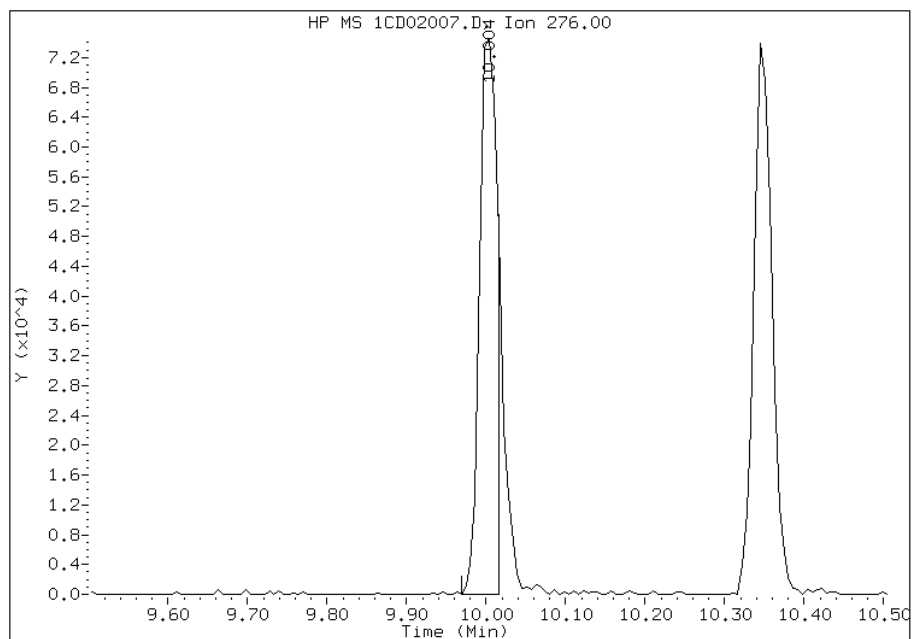
Processing Integration Results

RT: 10.06
Response: 1809
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.00
Response: 114519
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:48
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02008.D
 Lab Smp Id: IC4
 Inj Date : 02-APR-2013 14:20
 Operator : SCC
 Smp Info : IC4
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:02 Cal File: 1CD02007.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/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.710	3.710	(1.000)	480844	40.0000	
* 6 Acenaphthene-d10	164	4.798	4.798	(1.000)	353988	40.0000	
* 10 Phenanthrene-d10	188	5.745	5.745	(1.000)	681887	40.0000	
\$ 14 o-Terphenyl	230	5.998	5.998	(1.044)	103309	10.0000	9.7219
* 18 Chrysene-d12	240	7.686	7.686	(1.000)	888354	40.0000	
* 23 Perylene-d12	264	8.856	8.856	(1.000)	928754	40.0000	
2 Naphthalene	128	3.727	3.727	(1.005)	121970	10.0000	9.8758
3 2-Methylnaphthalene	142	4.151	4.151	(1.119)	89978	10.0000	10.7026
4 1-Methylnaphthalene	142	4.215	4.215	(1.136)	73198	10.0000	9.6761
5 Acenaphthylene	152	4.710	4.710	(0.982)	148174	10.0000	10.1137
7 Acenaphthene	154	4.821	4.821	(1.005)	84460	10.0000	9.3113
9 Fluorene	166	5.139	5.139	(1.071)	114648	10.0000	9.4775
11 Phenanthrene	178	5.762	5.762	(1.003)	194036	10.0000	9.7703
12 Anthracene	178	5.792	5.792	(1.008)	200131	10.0000	9.9409
13 Carbazole	167	5.904	5.904	(1.028)	167822	10.0000	9.7299
15 Fluoranthene	202	6.598	6.598	(1.148)	224705	10.0000	10.2452
16 Pyrene	202	6.762	6.762	(0.880)	236267	10.0000	9.6011
17 Benzo(a)anthracene	228	7.674	7.674	(0.998)	250220	10.0000	8.8188
19 Chrysene	228	7.703	7.703	(1.002)	247512	10.0000	9.7775(H)
20 Benzo(b)fluoranthene	252	8.515	8.515	(0.961)	261073	10.0000	9.9431(H)
21 Benzo(k)fluoranthene	252	8.539	8.539	(0.964)	258924	10.0000	10.1958(H)
22 Benzo(a)pyrene	252	8.803	8.803	(0.994)	240110	10.0000	9.7131
24 Indeno(1,2,3-cd)pyrene	276	10.003	10.003	(1.129)	222795	10.0000	9.4889(MH)
25 Dibenzo(a,h)anthracene	278	10.021	10.021	(1.131)	216036	10.0000	9.9604
26 Benzo(g,h,i)perylene	276	10.350	10.350	(1.169)	233308	10.0000	9.7359(H)

QC Flag Legend

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

Data File: 1CD02008.D

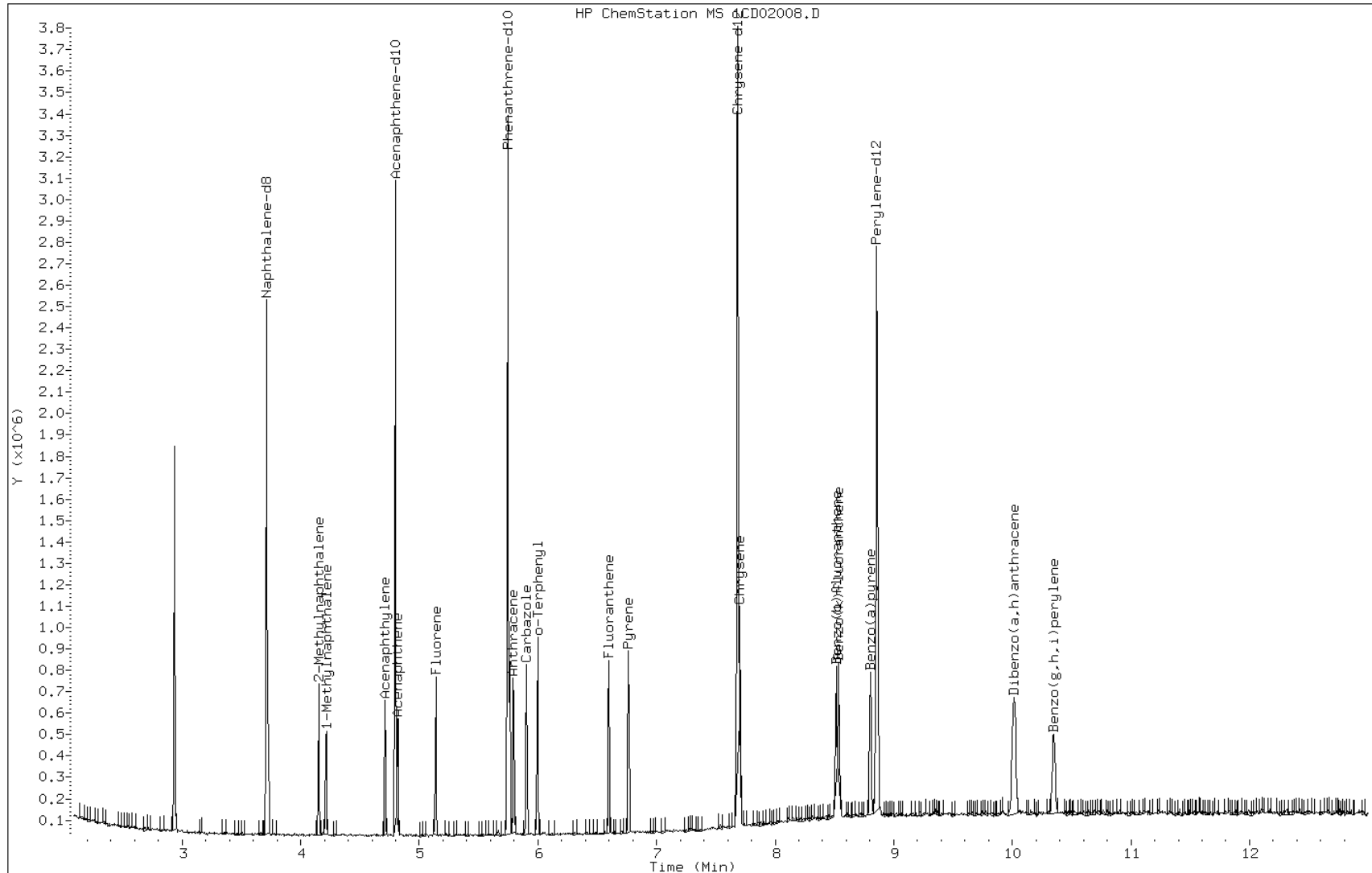
Date: 02-APR-2013 14:20

Client ID:

Instrument: BSMC5973.i

Sample Info: IC4

Operator: SCC

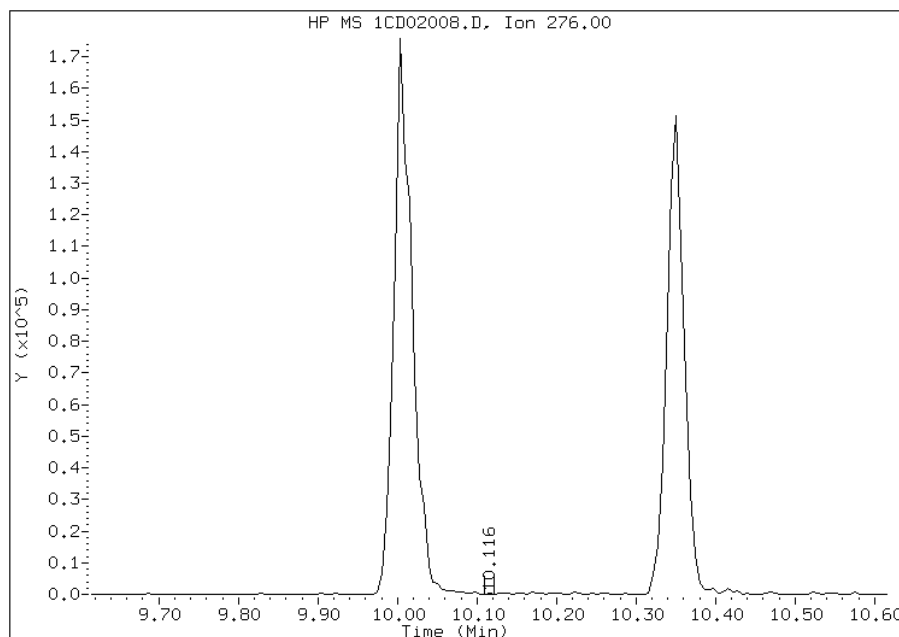


Manual Integration Report

Data File: 1CD02008.D
Inj. Date and Time: 02-APR-2013 14:20
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

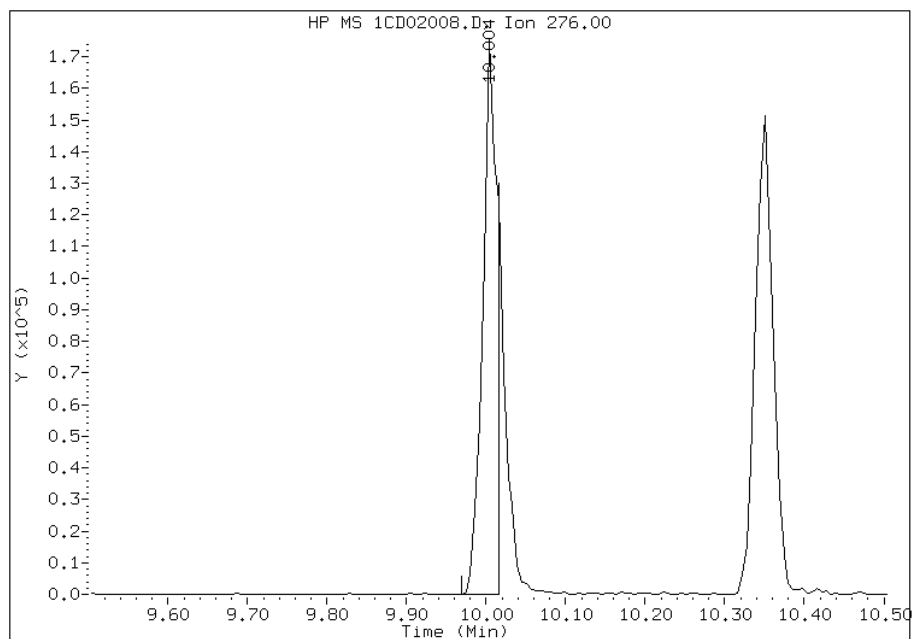
Processing Integration Results

RT: 10.12
Response: 142
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.00
Response: 222795
Amount: 9
Conc: 9



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:49
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02009.D
 Lab Smp Id: IC5
 Inj Date : 02-APR-2013 14:39
 Operator : SCC
 Smp Info : IC5
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:20 Cal File: 1CD02008.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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.710	3.710	(1.000)	501011	40.0000	
* 6 Acenaphthene-d10	164	4.798	4.798	(1.000)	361349	40.0000	
* 10 Phenanthrene-d10	188	5.745	5.745	(1.000)	702974	40.0000	
\$ 14 o-Terphenyl	230	5.998	5.998	(1.044)	211673	20.0000	19.3221
* 18 Chrysene-d12	240	7.686	7.686	(1.000)	875378	40.0000	
* 23 Perylene-d12	264	8.862	8.862	(1.000)	942955	40.0000	
2 Naphthalene	128	3.721	3.721	(1.003)	253190	20.0000	19.6753
3 2-Methylnaphthalene	142	4.151	4.151	(1.119)	158694	20.0000	18.1163
4 1-Methylnaphthalene	142	4.216	4.216	(1.136)	163647	20.0000	20.7620
5 Acenaphthylene	152	4.710	4.710	(0.982)	308909	20.0000	20.6554
7 Acenaphthene	154	4.821	4.821	(1.005)	191043	20.0000	20.6326
9 Fluorene	166	5.139	5.139	(1.071)	243174	20.0000	19.6928
11 Phenanthrene	178	5.762	5.762	(1.003)	392252	20.0000	19.1586
12 Anthracene	178	5.798	5.798	(1.009)	408192	20.0000	19.6676
13 Carbazole	167	5.904	5.904	(1.028)	376402	20.0000	21.1684
15 Fluoranthene	202	6.598	6.598	(1.148)	468708	20.0000	20.7293
16 Pyrene	202	6.762	6.762	(0.880)	498076	20.0000	20.5403
17 Benzo(a)anthracene	228	7.674	7.674	(0.998)	491852	20.0000	17.5920
19 Chrysene	228	7.704	7.704	(1.002)	494376	20.0000	19.8190
20 Benzo(b)fluoranthene	252	8.515	8.515	(0.961)	494109	20.0000	18.5350
21 Benzo(k)fluoranthene	252	8.539	8.539	(0.963)	517620	20.0000	20.0758
22 Benzo(a)pyrene	252	8.803	8.803	(0.993)	482722	20.0000	19.2334
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.009	(1.129)	412839	20.0000	17.3182(M)
25 Dibenzo(a,h)anthracene	278	10.021	10.021	(1.131)	435940	20.0000	19.7965
26 Benzo(g,h,i)perylene	276	10.356	10.356	(1.169)	470085	20.0000	19.3212

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD02009.D

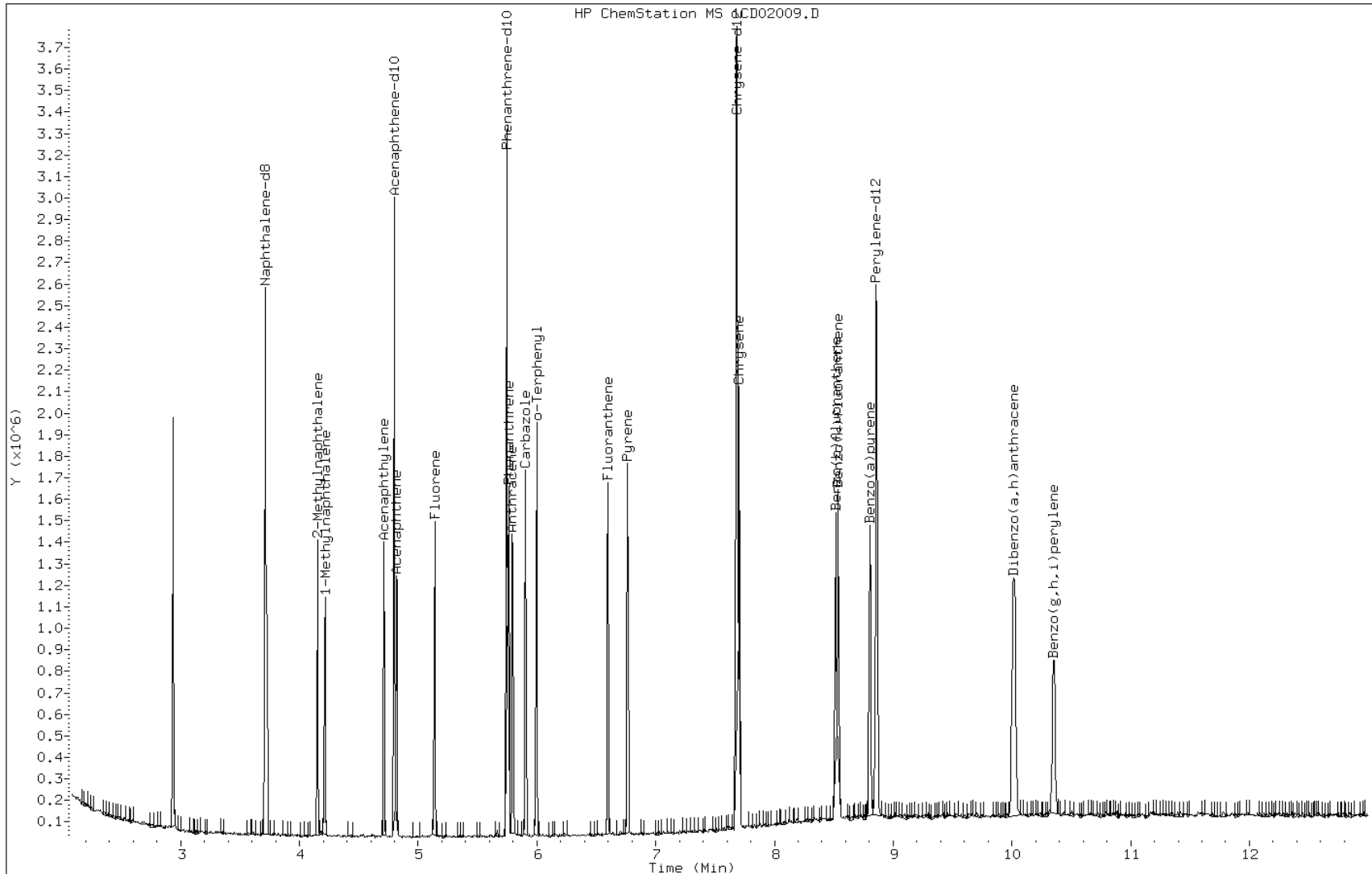
Date: 02-APR-2013 14:39

Client ID:

Instrument: BSMC5973.i

Sample Info: IC5

Operator: SCC

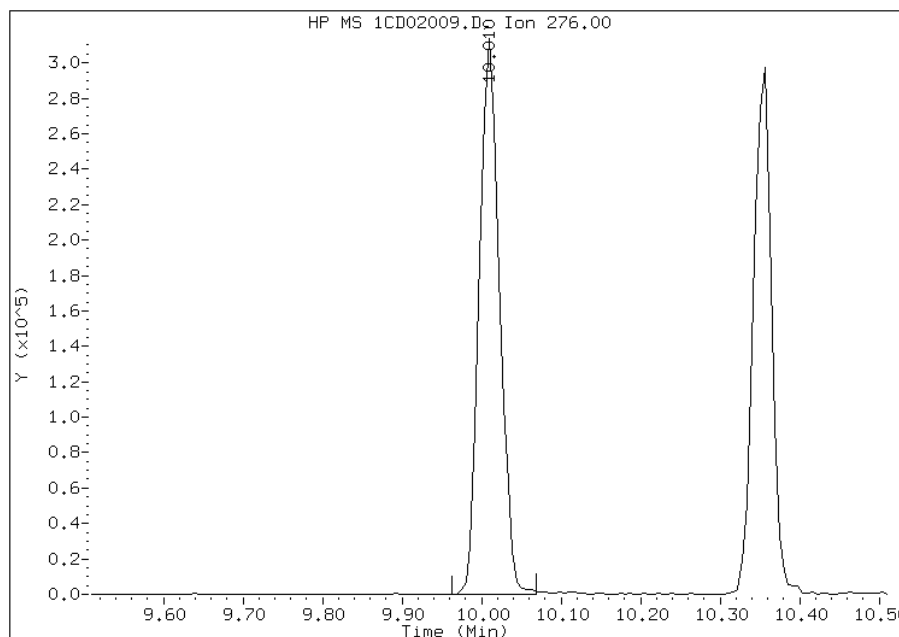


Manual Integration Report

Data File: 1CD02009.D
Inj. Date and Time: 02-APR-2013 14:39
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

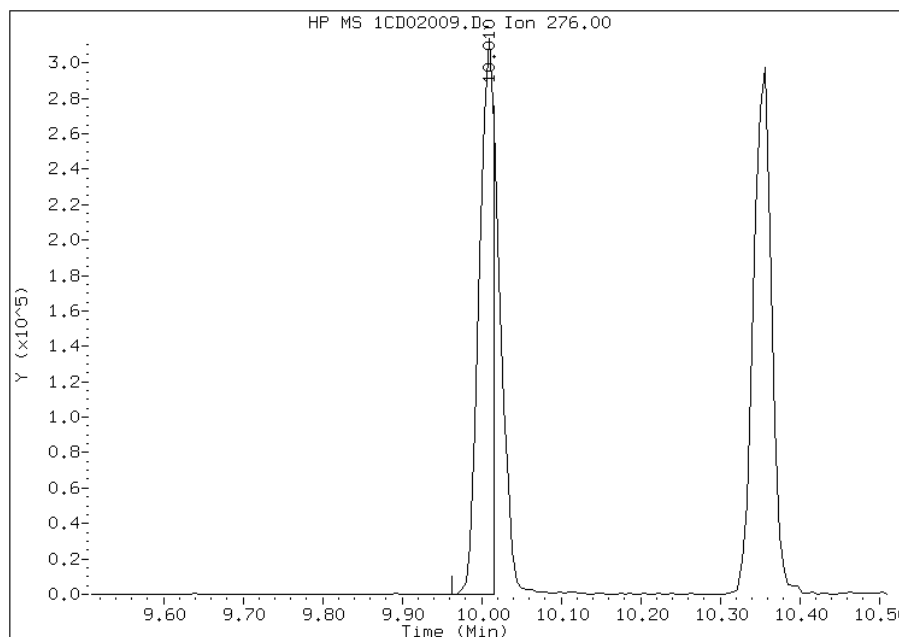
Processing Integration Results

RT: 10.01
Response: 550558
Amount: 32
Conc: 32



Manual Integration Results

RT: 10.01
Response: 412839
Amount: 17
Conc: 17



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:39
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02010.D
 Lab Smp Id: IC6
 Inj Date : 02-APR-2013 14:57
 Operator : SCC
 Smp Info : IC6
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:39 Cal File: 1CD02009.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/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.710	3.710	(1.000)	446499	40.0000	
* 6 Acenaphthene-d10	164	4.798	4.798	(1.000)	324284	40.0000	
* 10 Phenanthrene-d10	188	5.745	5.745	(1.000)	615852	40.0000	
\$ 14 o-Terphenyl	230	5.998	5.998	(1.044)	275212	30.0000	28.6761
* 18 Chrysene-d12	240	7.686	7.686	(1.000)	768745	40.0000	
* 23 Perylene-d12	264	8.857	8.857	(1.000)	837251	40.0000	
2 Naphthalene	128	3.722	3.722	(1.003)	350333	30.0000	30.5481
3 2-Methylnaphthalene	142	4.151	4.151	(1.119)	228375	30.0000	29.2540
4 1-Methylnaphthalene	142	4.216	4.216	(1.136)	221182	30.0000	31.4875
5 Acenaphthylene	152	4.710	4.710	(0.982)	423924	30.0000	31.5858
7 Acenaphthene	154	4.822	4.822	(1.005)	244735	30.0000	29.4523
9 Fluorene	166	5.139	5.139	(1.071)	331328	30.0000	29.8986
11 Phenanthrene	178	5.763	5.763	(1.003)	529536	30.0000	29.5228
12 Anthracene	178	5.792	5.792	(1.008)	557837	30.0000	30.6801
13 Carbazole	167	5.904	5.904	(1.028)	488550	30.0000	31.3623
15 Fluoranthene	202	6.598	6.598	(1.148)	607836	30.0000	30.6854
16 Pyrene	202	6.763	6.763	(0.880)	663294	30.0000	31.1481
17 Benzo(a)anthracene	228	7.674	7.674	(0.998)	659379	30.0000	26.8553
19 Chrysene	228	7.704	7.704	(1.002)	659226	30.0000	30.0935(H)
20 Benzo(b)fluoranthene	252	8.515	8.515	(0.961)	671785	30.0000	28.3815(H)
21 Benzo(k)fluoranthene	252	8.539	8.539	(0.964)	719552	30.0000	31.4311(H)
22 Benzo(a)pyrene	252	8.804	8.804	(0.994)	655944	30.0000	29.4349
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.009	(1.130)	655344	30.0000	30.9619(MH)
25 Dibenzo(a,h)anthracene	278	10.027	10.027	(1.132)	600720	30.0000	30.7234
26 Benzo(g,h,i)perylene	276	10.356	10.356	(1.169)	675124	30.0000	31.2520(H)

QC Flag Legend

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

Data File: 1CD02010.D

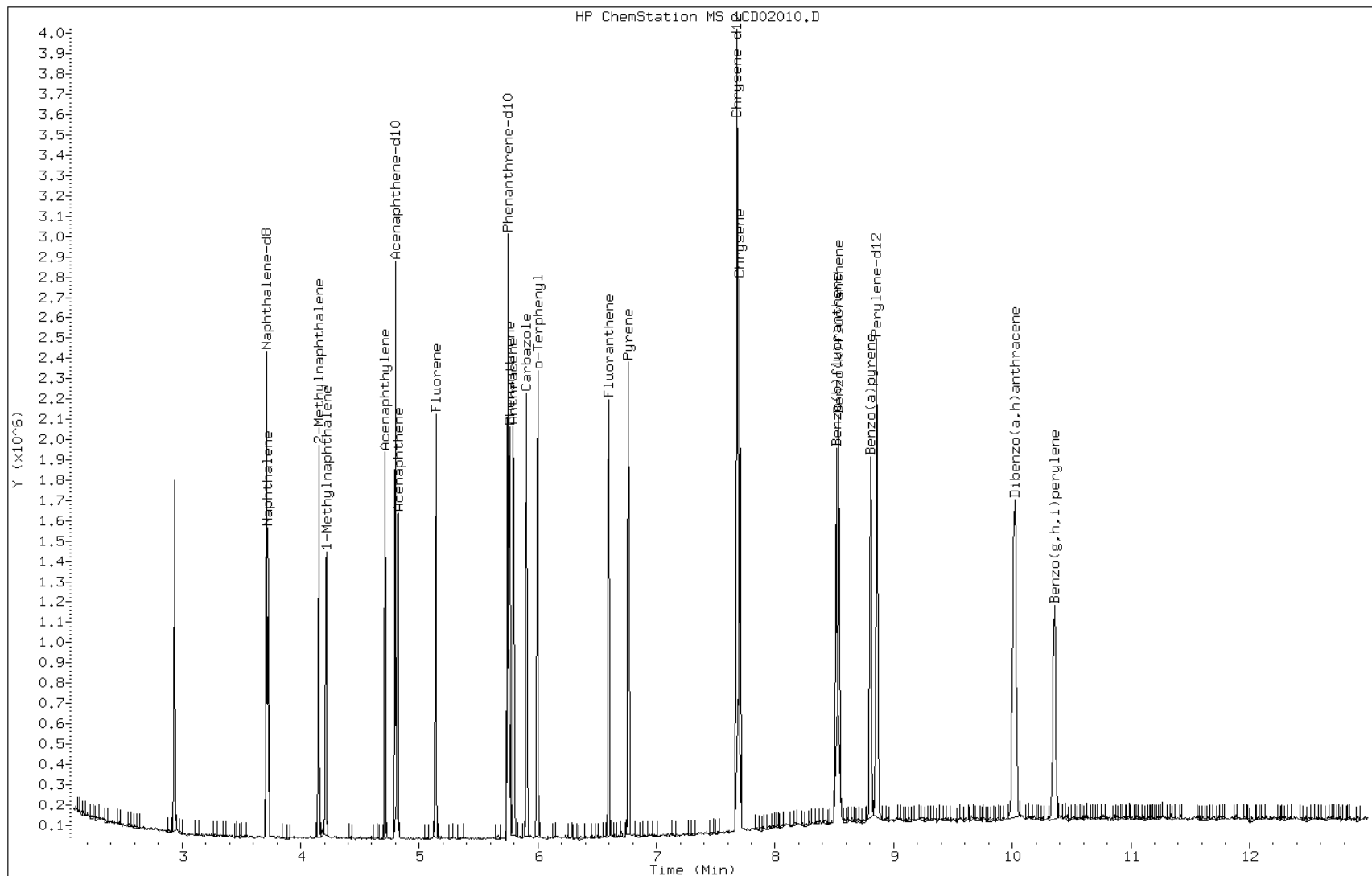
Date: 02-APR-2013 14:57

Client ID:

Instrument: BSMC5973.i

Sample Info: IC6

Operator: SCC

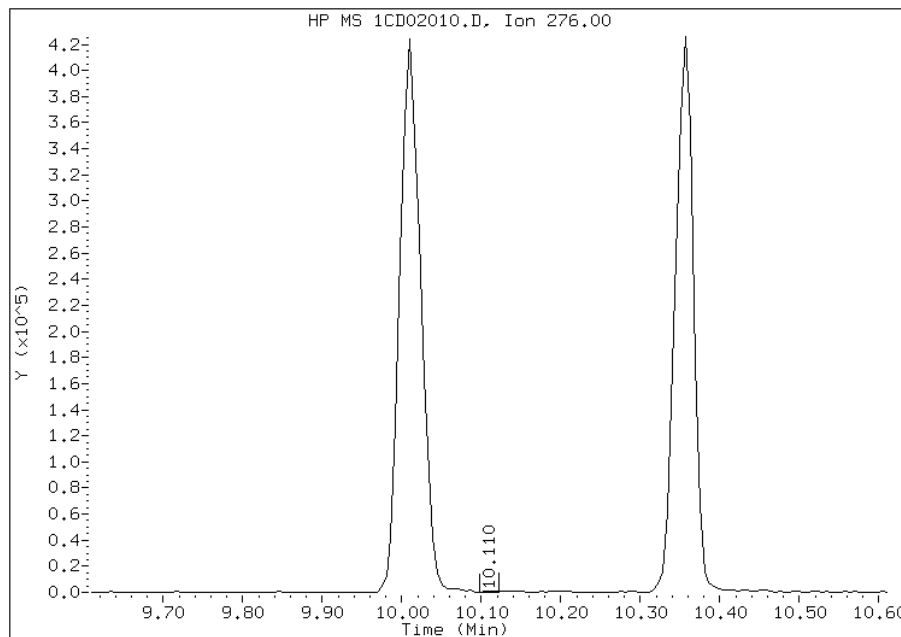


Manual Integration Report

Data File: 1CD02010.D
Inj. Date and Time: 02-APR-2013 14:57
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

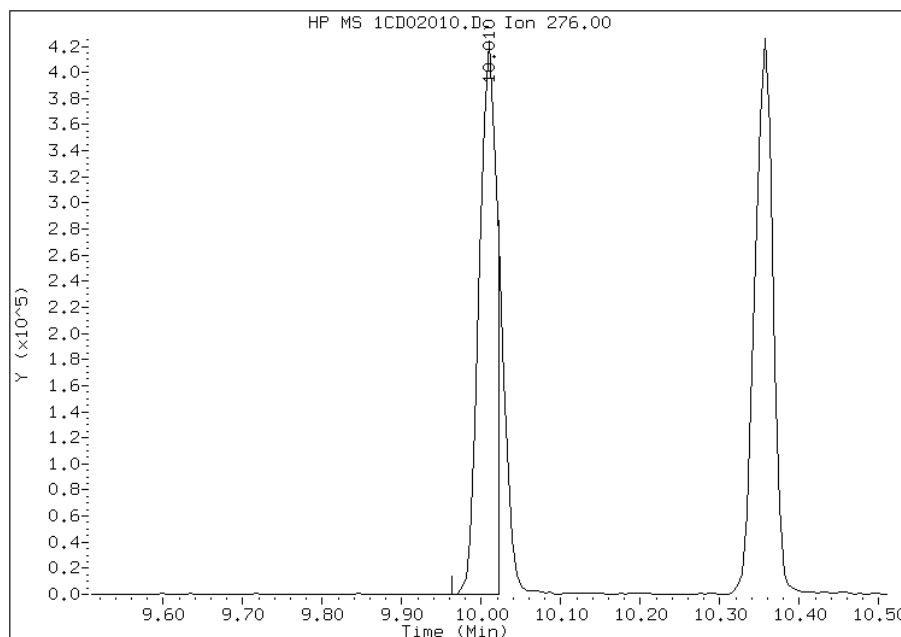
Processing Integration Results

RT: 10.11
Response: 1008
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.01
Response: 655344
Amount: 31
Conc: 31



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:50
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02011.D
 Lab Smp Id: IC7
 Inj Date : 02-APR-2013 15:15
 Operator : SCC
 Smp Info : IC7
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:57 Cal File: 1CD02010.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/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.710	3.710	(1.000)	509868	40.0000	
* 6 Acenaphthene-d10	164	4.798	4.798	(1.000)	373136	40.0000	
* 10 Phenanthrene-d10	188	5.745	5.745	(1.000)	712035	40.0000	
\$ 14 o-Terphenyl	230	5.998	5.998	(1.044)	587824	50.0000	52.9755(A)
* 18 Chrysene-d12	240	7.686	7.686	(1.000)	948633	40.0000	
* 23 Perylene-d12	264	8.862	8.862	(1.000)	971909	40.0000	
2 Naphthalene	128	3.727	3.727	(1.005)	668649	50.0000	51.0580(A)
3 2-Methylnaphthalene	142	4.151	4.151	(1.119)	447751	50.0000	50.2269(A)
4 1-Methylnaphthalene	142	4.215	4.215	(1.136)	419135	50.0000	52.2523(A)
5 Acenaphthylene	152	4.710	4.710	(0.982)	814053	50.0000	52.7127(A)
7 Acenaphthene	154	4.821	4.821	(1.005)	480392	50.0000	50.2433(A)
9 Fluorene	166	5.139	5.139	(1.071)	638557	50.0000	50.0785(A)
11 Phenanthrene	178	5.762	5.762	(1.003)	1077014	50.0000	51.9349(A)
12 Anthracene	178	5.798	5.798	(1.009)	1098599	50.0000	52.2594(A)
13 Carbazole	167	5.904	5.904	(1.028)	948101	50.0000	52.6415(A)
15 Fluoranthene	202	6.598	6.598	(1.148)	1248081	50.0000	54.4959(A)
16 Pyrene	202	6.762	6.762	(0.880)	1360548	50.0000	51.7754(A)
17 Benzo(a)anthracene	228	7.680	7.680	(0.999)	1380443	50.0000	45.5615
19 Chrysene	228	7.709	7.709	(1.003)	1377767	50.0000	50.9681(AH)
20 Benzo(b)fluoranthene	252	8.521	8.521	(0.962)	1443812	50.0000	52.5467(AH)
21 Benzo(k)fluoranthene	252	8.545	8.545	(0.964)	1396501	50.0000	52.5496(AH)
22 Benzo(a)pyrene	252	8.809	8.809	(0.994)	1403971	50.0000	54.2730(A)
24 Indeno(1,2,3-cd)pyrene	276	10.015	10.015	(1.130)	1242391	50.0000	50.5646(AMH)
25 Dibenzo(a,h)anthracene	278	10.033	10.033	(1.132)	1194691	50.0000	52.6360(A)
26 Benzo(g,h,i)perylene	276	10.362	10.362	(1.169)	1270187	50.0000	50.6515(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: 1CD02011.D

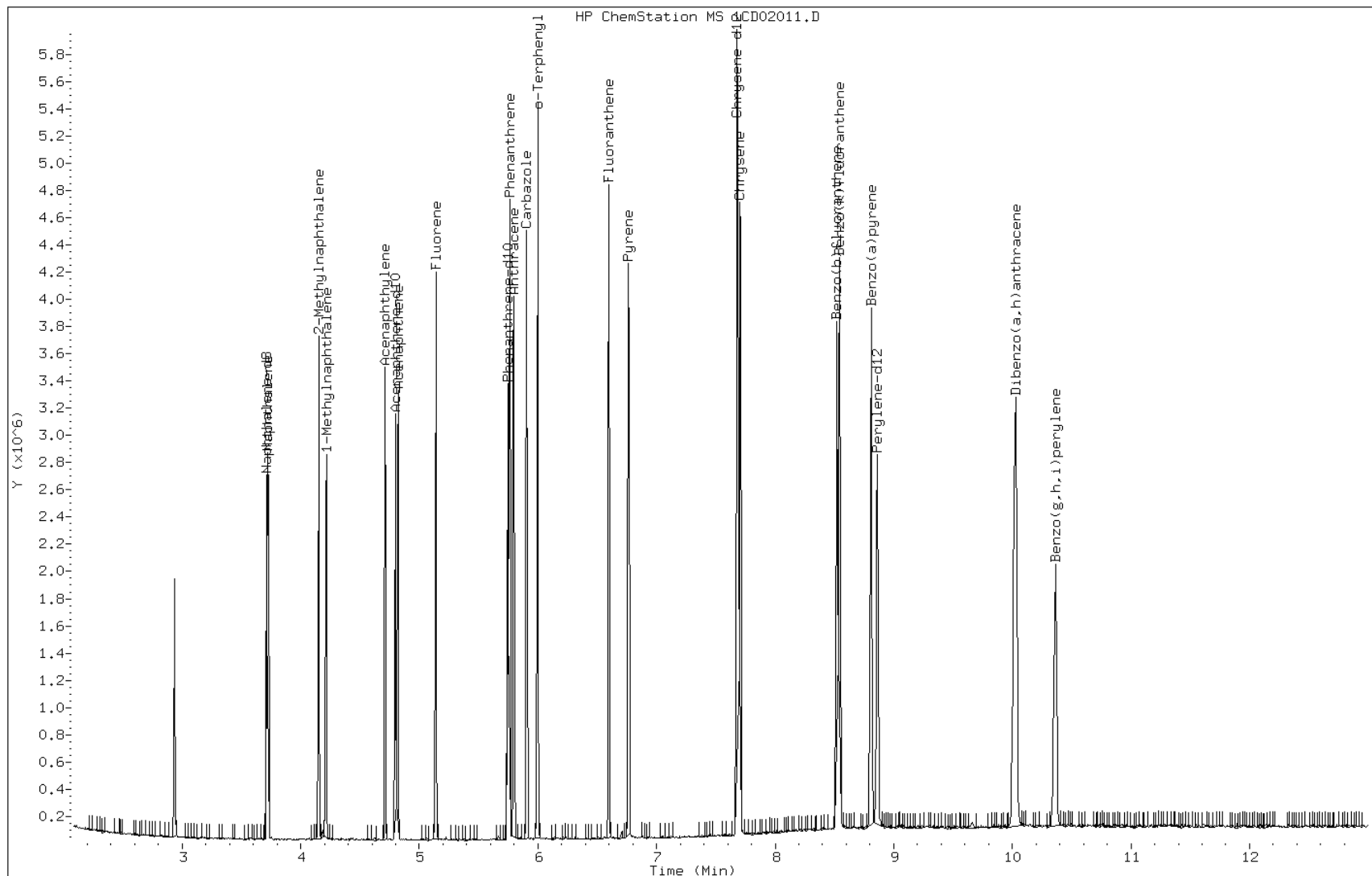
Date: 02-APR-2013 15:15

Client ID:

Instrument: BSMC5973.i

Sample Info: IC7

Operator: SCC

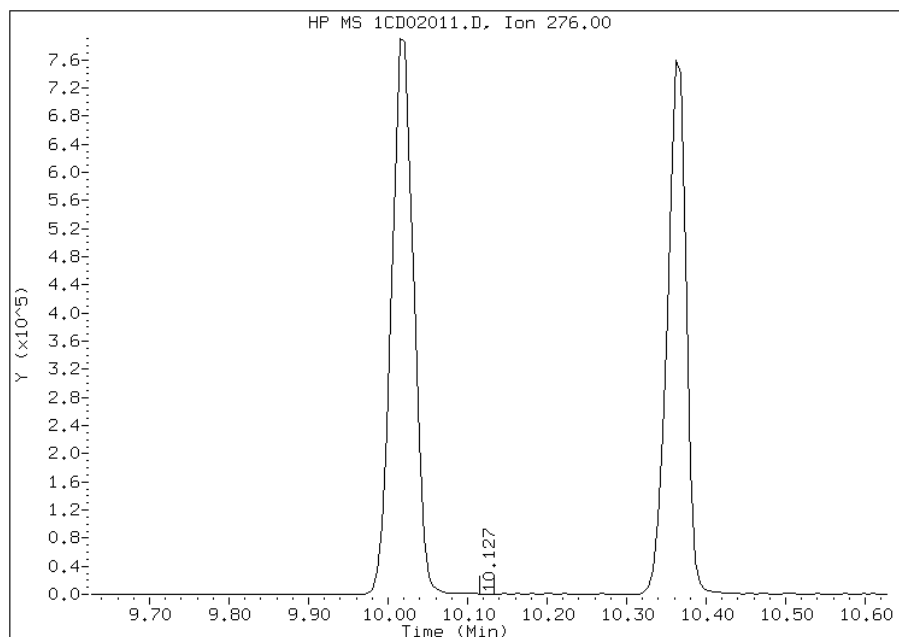


Manual Integration Report

Data File: 1CD02011.D
Inj. Date and Time: 02-APR-2013 15:15
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

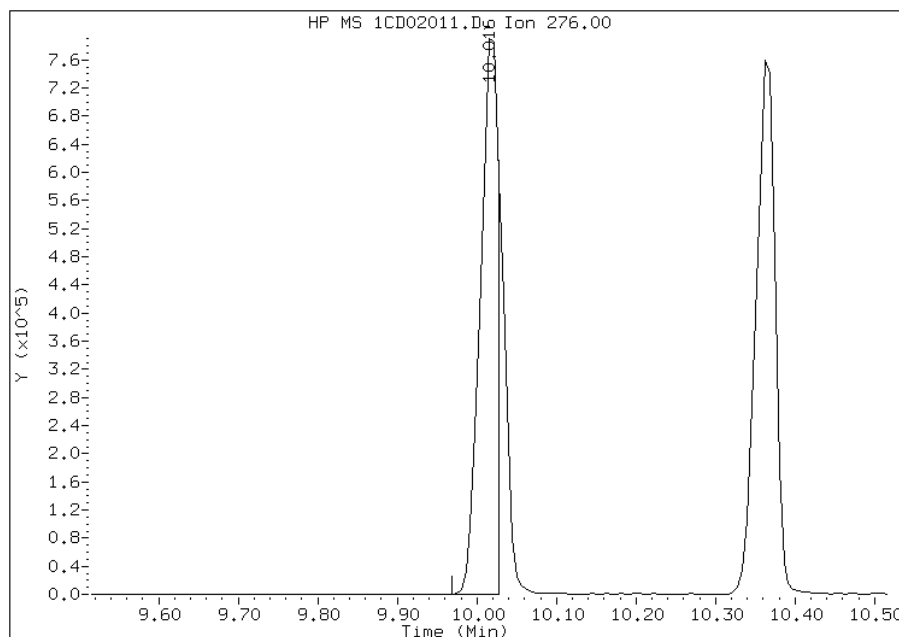
Processing Integration Results

RT: 10.13
Response: 653
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.02
Response: 1242391
Amount: 51
Conc: 51



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:51
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab Sample ID: ICV 660-136048/12 Calibration Date: 04/02/2013 15:34
 Instrument ID: BSMC5973 Calib Start Date: 04/02/2013 13:26
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/02/2013 15:15
 Lab File ID: 1CD02012.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.027	0.9549	0.0000	18600	20000	-7.1	35.0
2-Methylnaphthalene	Ave	0.6994	0.5884	0.0000	16800	20000	-15.9	35.0
1-Methylnaphthalene	Ave	0.6293	0.5998	0.0000	19100	20000	-4.7	35.0
Acenaphthylene	Ave	1.656	1.493	0.0000	18000	20000	-9.8	35.0
Acenaphthene	Lin	1.025	0.8508	0.0000	16600	20000	-17.0	35.0
Fluorene	Ave	1.367	1.209	0.0000	17700	20000	-11.5	35.0
Phenanthrene	Ave	1.165	0.9563	0.0000	16400	20000	-17.9	35.0
Anthracene	Ave	1.181	0.9425	0.0000	16000	20000	-20.2	35.0
Carbazole	Ave	1.012	0.8775	0.0000	17300	20000	-13.3	35.0
Fluoranthene	Ave	1.287	1.100	0.0000	17100	20000	-14.5	35.0
Pyrene	Ave	1.108	0.8708	0.0000	15700	20000	-21.4	35.0
Benzo[a]anthracene	Lin	1.278	0.9658	0.0000	16800	20000	-16.0	35.0
Chrysene	Ave	1.140	0.8716	0.0000	15300	20000	-23.5	35.0
Benzo[b]fluoranthene	Ave	1.131	0.8920	0.0000	15800	20000	-21.1	35.0
Benzo[k]fluoranthene	Ave	1.094	0.8978	0.0000	16400	20000	-17.9	35.0
Benzo[a]pyrene	Ave	1.065	0.8060	0.0000	15100	20000	-24.3	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.011	0.8744	0.0000	17300	20000	-13.5	35.0
Dibenz(a,h)anthracene	Ave	0.9341	0.8626	0.0000	18500	20000	-7.7	35.0
Benzo[g,h,i]perylene	Ave	1.032	0.8592	0.0000	16600	20000	-16.8	35.0
o-Terphenyl	Lin	0.6233	0.5049	0.0000	16200	20000	-19.0	35.0

TestAmerica Laboratories

Semivolatle 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02012.D
 Lab Smp Id: ICV-1448440
 Inj Date : 02-APR-2013 15:34
 Operator : SCC
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:55 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Inst ID: BSMC5973.i
 Compound Sublist: pah.sub

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	3.710	3.710	(1.000)	649122	40.0000		
* 6 Acenaphthene-d10	164	4.798	4.798	(1.000)	500935	40.0000		
* 10 Phenanthrene-d10	188	5.745	5.745	(1.000)	955391	40.0000		
\$ 14 o-Terphenyl	230	5.998	5.998	(1.044)	241169	16.1906	16.1906	
* 18 Chrysene-d12	240	7.686	7.686	(1.000)	1249690	40.0000		
* 23 Perylene-d12	264	8.856	8.863	(1.000)	1306409	40.0000		
2 Naphthalene	128	3.727	3.728	(1.005)	309919	18.5886	18.5885	
3 2-Methylnaphthalene	142	4.151	4.151	(1.119)	190970	16.8266	16.8266	
4 1-Methylnaphthalene	142	4.216	4.216	(1.136)	194664	19.0620	19.0620	
5 Acenaphthylene	152	4.710	4.710	(0.982)	373939	18.0364	18.0363	
7 Acenaphthene	154	4.821	4.822	(1.005)	213089	16.5944	16.5943	
9 Fluorene	166	5.139	5.139	(1.071)	302875	17.6930	17.6929	
11 Phenanthrene	178	5.763	5.763	(1.003)	456841	16.4181	16.4181	
12 Anthracene	178	5.798	5.798	(1.009)	450208	15.9610	15.9609	
13 Carbazole	167	5.904	5.904	(1.028)	419186	17.3461	17.3460	
15 Fluoranthene	202	6.598	6.598	(1.148)	525545	17.1022	17.1021	
16 Pyrene	202	6.763	6.763	(0.880)	544110	15.7178	15.7178	
17 Benzo(a)anthracene	228	7.680	7.680	(0.999)	603470	16.8016	16.8016	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/l)
-----	----	----	-----	-----	-----	-----	-----
19 Chrysene	228	7.704	7.710	(1.002)	544600	15.2932	15.2931
20 Benzo(b)fluoranthene	252	8.515	8.522	(0.961)	582649	15.7757	15.7757
21 Benzo(k)fluoranthene	252	8.539	8.545	(0.964)	586474	16.4181	16.4181
22 Benzo(a)pyrene	252	8.804	8.810	(0.994)	526495	15.1414	15.1414
24 Indeno(1,2,3-cd)pyrene	276	10.009	10.016	(1.130)	571166	17.2941	17.2940(M)
25 Dibenzo(a,h)anthracene	278	10.021	10.033	(1.131)	563427	18.4677	18.4676
26 Benzo(g,h,i)perylene	276	10.351	10.363	(1.169)	561199	16.6490	16.6490

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD02012.D

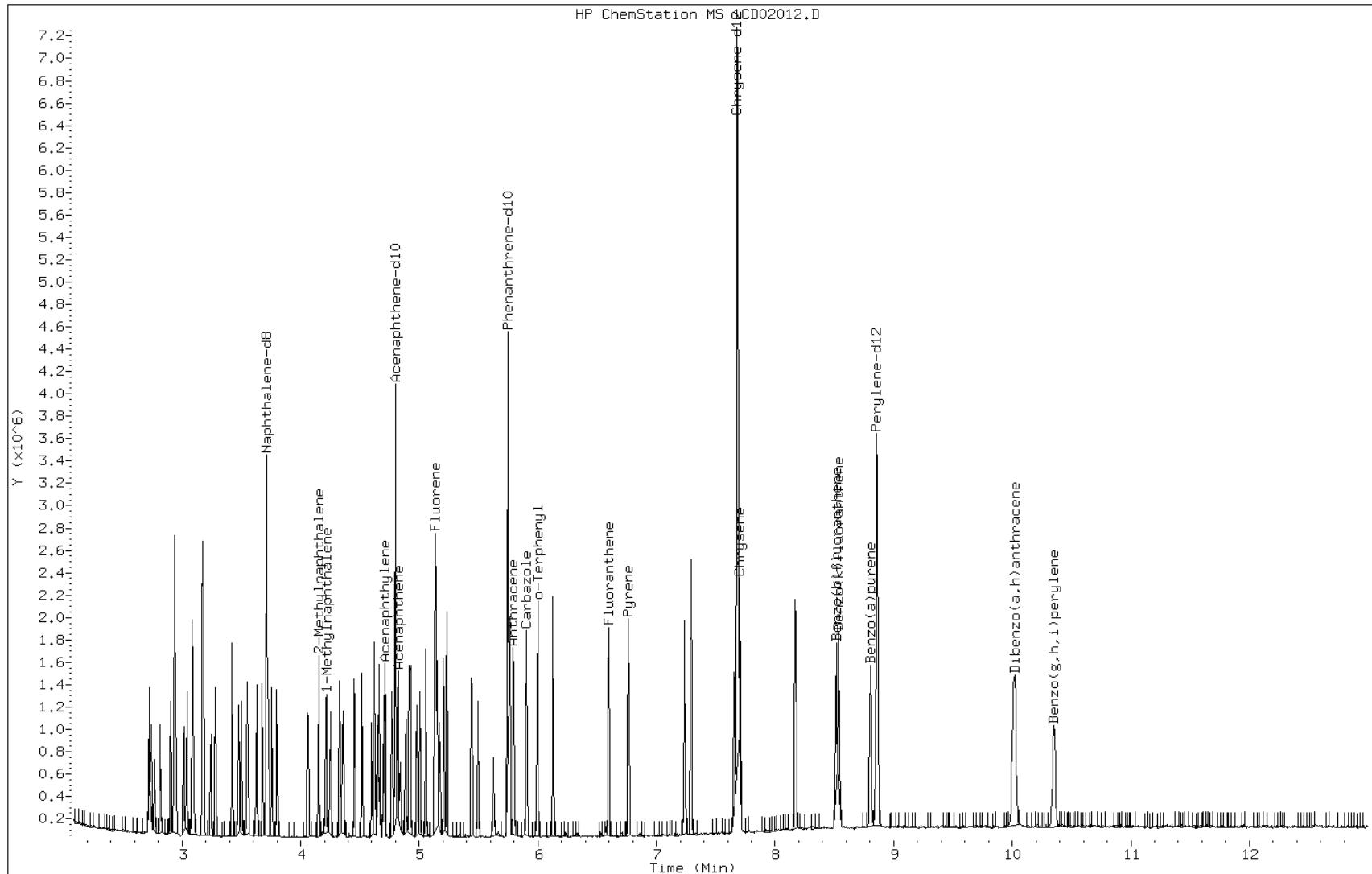
Date: 02-APR-2013 15:34

Client ID:

Instrument: BSMC5973.i

Sample Info: ICV-1448440

Operator: SCC

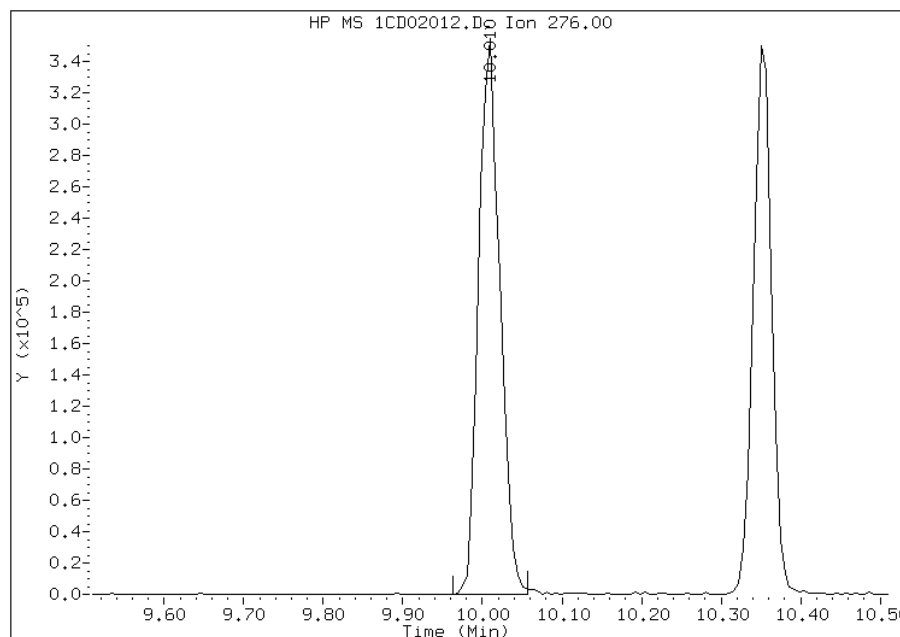


Manual Integration Report

Data File: 1CD02012.D
Inj. Date and Time: 02-APR-2013 15:34
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

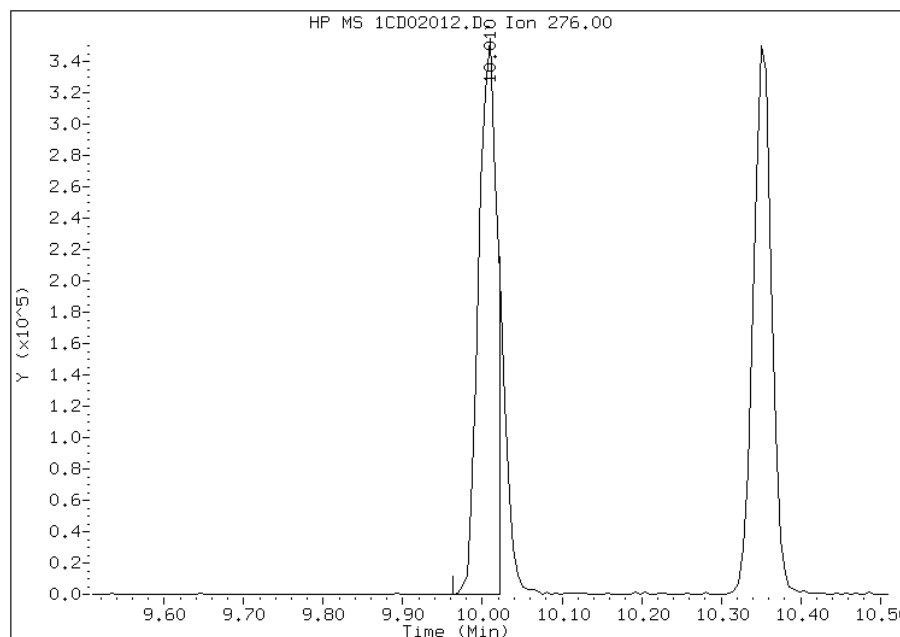
Processing Integration Results

RT: 10.01
Response: 653584
Amount: 20
Conc: 20



Manual Integration Results

RT: 10.01
Response: 571166
Amount: 17
Conc: 17



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:57
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab Sample ID: CCVIS 660-136131/3 Calibration Date: 04/04/2013 11:50
 Instrument ID: BSMC5973 Calib Start Date: 04/02/2013 13:26
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/02/2013 15:15
 Lab File ID: 1CD04003.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.027	1.017	0.0000	19800	20000	-1.0	20.0
2-Methylnaphthalene	Ave	0.6994	0.7077	0.0000	20200	20000	1.2	20.0
1-Methylnaphthalene	Ave	0.6293	0.6404	0.0000	20400	20000	1.8	20.0
Acenaphthylene	Ave	1.656	1.681	0.0000	20300	20000	1.6	20.0
Acenaphthene	Lin	1.025	1.020	0.0000	19900	20000	-0.5	20.0
Fluorene	Ave	1.367	1.364	0.0000	20000	20000	-0.2	20.0
Phenanthrene	Ave	1.165	1.149	0.0000	19700	20000	-1.3	20.0
Anthracene	Ave	1.181	1.183	0.0000	20000	20000	0.2	20.0
Carbazole	Ave	1.012	1.035	0.0000	20500	20000	2.3	20.0
Fluoranthene	Ave	1.287	1.351	0.0000	21000	20000	5.0	20.0
Pyrene	Ave	1.108	1.145	0.0000	20700	20000	3.4	20.0
Benzo[a]anthracene	Lin	1.278	1.170	0.0000	20300	20000	1.6	20.0
Chrysene	Ave	1.140	1.122	0.0000	19700	20000	-1.6	20.0
Benzo[b]fluoranthene	Ave	1.131	1.092	0.0000	19300	20000	-3.4	20.0
Benzo[k]fluoranthene	Ave	1.094	1.214	0.0000	22200	20000	11.0	20.0
Benzo[a]pyrene	Ave	1.065	1.049	0.0000	19700	20000	-1.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.011	0.8852	0.0000	17500	20000	-12.5	20.0
Dibenz(a,h)anthracene	Ave	0.9341	0.9435	0.0000	20200	20000	1.0	20.0
Benzo[g,h,i]perylene	Ave	1.032	0.9722	0.0000	18800	20000	-5.8	20.0
o-Terphenyl	Lin	0.6233	0.6642	0.0000	21100	20000	5.4	20.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 04-APR-2013 11:50
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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					CAL-AMT (ug/ml)	ON-COL (ug/ml)
		MASS	RT	EXP RT	REL RT	RESPONSE		
* 1 Naphthalene-d8	136	3.692	3.692	(1.000)	410068	40.0000		
* 6 Acenaphthene-d10	164	4.786	4.786	(1.000)	312571	40.0000		
* 10 Phenanthrene-d10	188	5.733	5.733	(1.000)	602712	40.0000		
\$ 14 o-Terphenyl	230	5.992	5.992	(1.045)	200171	20.0000	21.0726	
* 18 Chrysene-d12	240	7.692	7.692	(1.000)	790423	40.0000		
* 23 Perylene-d12	264	8.886	8.886	(1.000)	846222	40.0000		
2 Naphthalene	128	3.710	3.710	(1.005)	208595	20.0000	19.8048	
3 2-Methylnaphthalene	142	4.133	4.133	(1.119)	145093	20.0000	20.2371	
4 1-Methylnaphthalene	142	4.198	4.198	(1.137)	131296	20.0000	20.3519	
5 Acenaphthylene	152	4.698	4.698	(0.982)	262754	20.0000	20.3109	
7 Acenaphthene	154	4.804	4.804	(1.004)	159473	20.0000	19.9030	
9 Fluorene	166	5.127	5.127	(1.071)	213227	20.0000	19.9623	
11 Phenanthrene	178	5.751	5.751	(1.003)	346375	20.0000	19.7322	
12 Anthracene	178	5.786	5.786	(1.009)	356599	20.0000	20.0399	
13 Carbazole	167	5.898	5.898	(1.029)	311970	20.0000	20.4634	
15 Fluoranthene	202	6.592	6.592	(1.150)	407223	20.0000	21.0061	
16 Pyrene	202	6.763	6.763	(0.879)	452614	20.0000	20.6717	
17 Benzo(a)anthracene	228	7.686	7.686	(0.999)	462430	20.0000	20.3269	
19 Chrysene	228	7.710	7.710	(1.002)	443286	20.0000	19.6809	
20 Benzo(b)fluoranthene	252	8.533	8.533	(0.960)	462202	20.0000	19.3200	
21 Benzo(k)fluoranthene	252	8.557	8.557	(0.963)	513814	20.0000	22.2062	
22 Benzo(a)pyrene	252	8.827	8.827	(0.993)	443904	20.0000	19.7086	
24 Indeno(1,2,3-cd)pyrene	276	10.056	10.056	(1.132)	374520	20.0000	17.5067(M)	
25 Dibenzo(a,h)anthracene	278	10.074	10.074	(1.134)	399186	20.0000	20.1996	
26 Benzo(g,h,i)perylene	276	10.415	10.415	(1.172)	411341	20.0000	18.8394	

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD04003.D

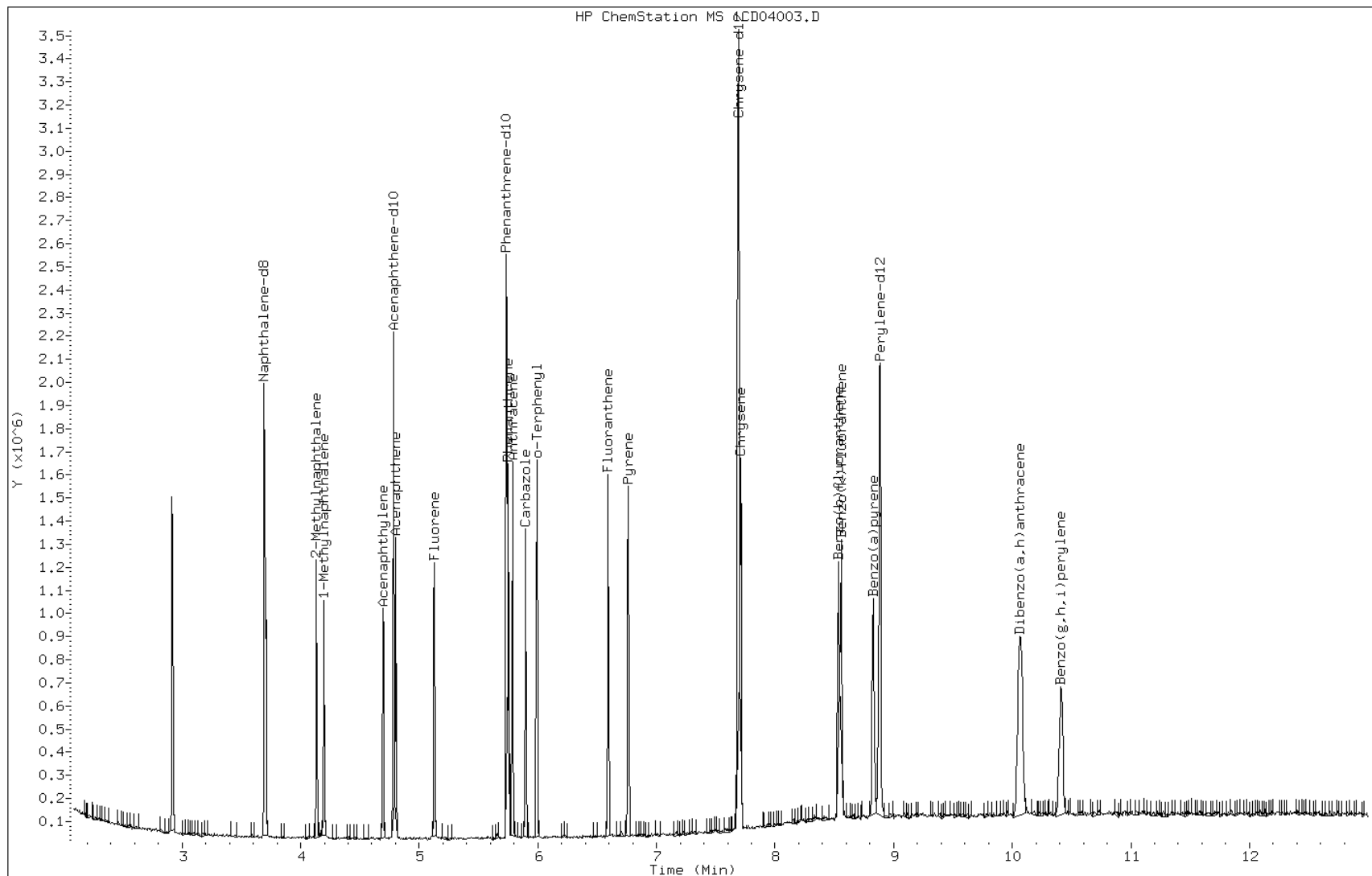
Date: 04-APR-2013 11:50

Client ID:

Instrument: BSMC5973.i

Sample Info: CCVIS-1531401

Operator: SCC

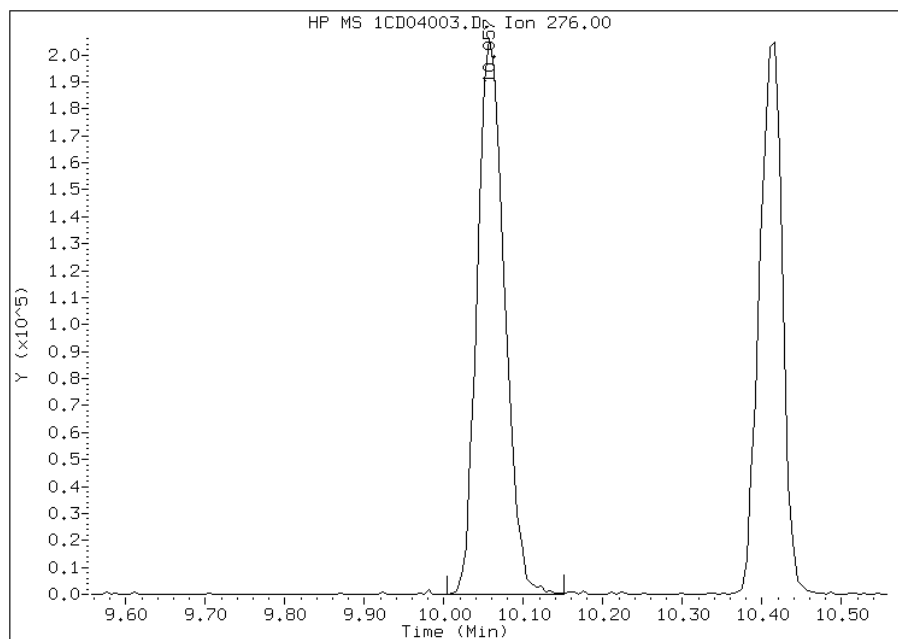


Manual Integration Report

Data File: 1CD04003.D
Inj. Date and Time: 04-APR-2013 11:50
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/04/2013

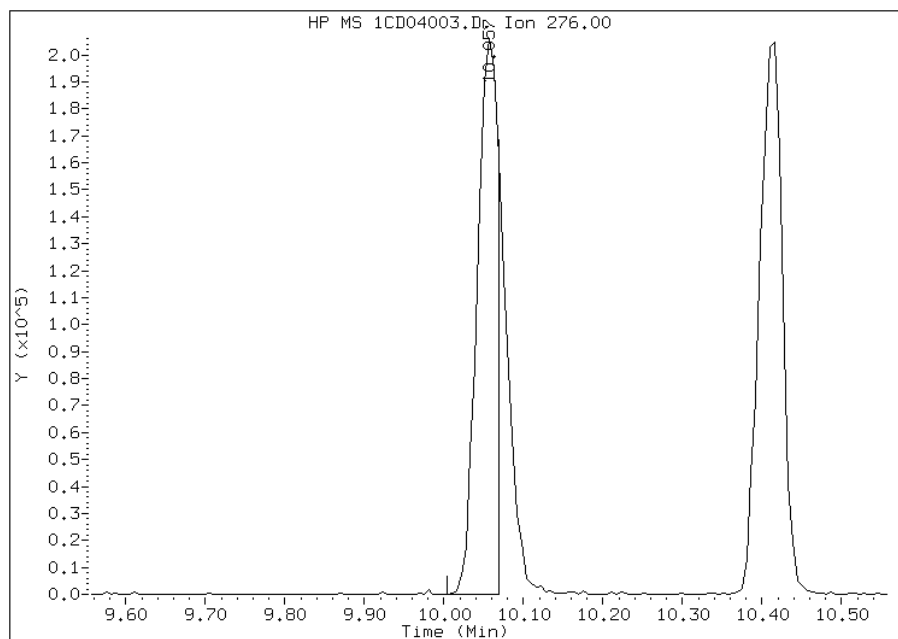
Processing Integration Results

RT: 10.06
Response: 490265
Amount: 23
Conc: 23



Manual Integration Results

RT: 10.06
Response: 374520
Amount: 18
Conc: 18



Manually Integrated By: cantins
Modification Date: 04-Apr-2013 12:04
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab Sample ID: CCVIS 660-136171/4 Calibration Date: 04/05/2013 12:15
 Instrument ID: BSMC5973 Calib Start Date: 04/02/2013 13:26
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/02/2013 15:15
 Lab File ID: 1CD05004.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.027	1.032	0.0000	20100	20000	0.5	20.0
2-Methylnaphthalene	Ave	0.6994	0.7098	0.0000	20300	20000	1.5	20.0
1-Methylnaphthalene	Ave	0.6293	0.6324	0.0000	20100	20000	0.5	20.0
Acenaphthylene	Ave	1.656	1.686	0.0000	20400	20000	1.8	20.0
Acenaphthene	Lin	1.025	0.9558	0.0000	18600	20000	-6.8	20.0
Fluorene	Ave	1.367	1.254	0.0000	18400	20000	-8.2	20.0
Phenanthrene	Ave	1.165	1.127	0.0000	19400	20000	-3.2	20.0
Anthracene	Ave	1.181	1.206	0.0000	20400	20000	2.1	20.0
Carbazole	Ave	1.012	1.040	0.0000	20600	20000	2.8	20.0
Fluoranthene	Ave	1.287	1.346	0.0000	20900	20000	4.6	20.0
Pyrene	Ave	1.108	1.077	0.0000	19400	20000	-2.8	20.0
Benzo[a]anthracene	Lin	1.278	1.101	0.0000	19100	20000	-4.3	20.0
Chrysene	Ave	1.140	1.074	0.0000	18800	20000	-5.8	20.0
Benzo[b]fluoranthene	Ave	1.131	1.071	0.0000	18900	20000	-5.3	20.0
Benzo[k]fluoranthene	Ave	1.094	1.162	0.0000	21300	20000	6.3	20.0
Benzo[a]pyrene	Ave	1.065	1.057	0.0000	19900	20000	-0.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.011	0.9896	0.0000	19600	20000	-2.1	20.0
Dibenz(a,h)anthracene	Ave	0.9341	0.9614	0.0000	20600	20000	2.9	20.0
Benzo[g,h,i]perylene	Ave	1.032	0.9820	0.0000	19000	20000	-4.9	20.0
o-Terphenyl	Lin	0.6233	0.6473	0.0000	20600	20000	2.8	20.0

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05004.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 05-APR-2013 12:15
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.692	3.692	(1.000)	392528	40.0000	
* 6 Acenaphthene-d10	164	4.780	4.780	(1.000)	289150	40.0000	
* 10 Phenanthrene-d10	188	5.721	5.721	(1.000)	539578	40.0000	(H)
\$ 14 o-Terphenyl	230	5.974	5.974	(1.044)	174628	20.0000	20.5532
* 18 Chrysene-d12	240	7.662	7.662	(1.000)	739705	40.0000	
* 23 Perylene-d12	264	8.827	8.827	(1.000)	746693	40.0000	(H)
2 Naphthalene	128	3.704	3.704	(1.003)	202593	20.0000	20.0945
3 2-Methylnaphthalene	142	4.133	4.133	(1.119)	139304	20.0000	20.2978
4 1-Methylnaphthalene	142	4.192	4.192	(1.135)	124123	20.0000	20.0997
5 Acenaphthylene	152	4.692	4.692	(0.982)	243681	20.0000	20.3623
7 Acenaphthene	154	4.798	4.798	(1.004)	138184	20.0000	18.6430
9 Fluorene	166	5.116	5.116	(1.070)	181351	20.0000	18.3533
11 Phenanthrene	178	5.739	5.739	(1.003)	304115	20.0000	19.3518(H)
12 Anthracene	178	5.774	5.774	(1.009)	325239	20.0000	20.4162(H)
13 Carbazole	167	5.880	5.880	(1.028)	280645	20.0000	20.5626(H)
15 Fluoranthene	202	6.574	6.574	(1.149)	363056	20.0000	20.9190(H)
16 Pyrene	202	6.739	6.739	(0.879)	398242	20.0000	19.4355
17 Benzo(a)anthracene	228	7.651	7.651	(0.998)	407283	20.0000	19.1383
19 Chrysene	228	7.680	7.680	(1.002)	397270	20.0000	18.8472
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.961)	399687	20.0000	18.9338(H)
21 Benzo(k)fluoranthene	252	8.509	8.509	(0.964)	433951	20.0000	21.2545(H)
22 Benzo(a)pyrene	252	8.774	8.774	(0.994)	394530	20.0000	19.8513(H)
24 Indeno(1,2,3-cd)pyrene	276	9.962	9.962	(1.129)	369463	20.0000	19.5723(MH)
25 Dibenzo(a,h)anthracene	278	9.980	9.980	(1.131)	358939	20.0000	20.5841(H)
26 Benzo(g,h,i)perylene	276	10.303	10.303	(1.167)	366622	20.0000	19.0294(H)

QC Flag Legend

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

Data File: 1CD05004.D

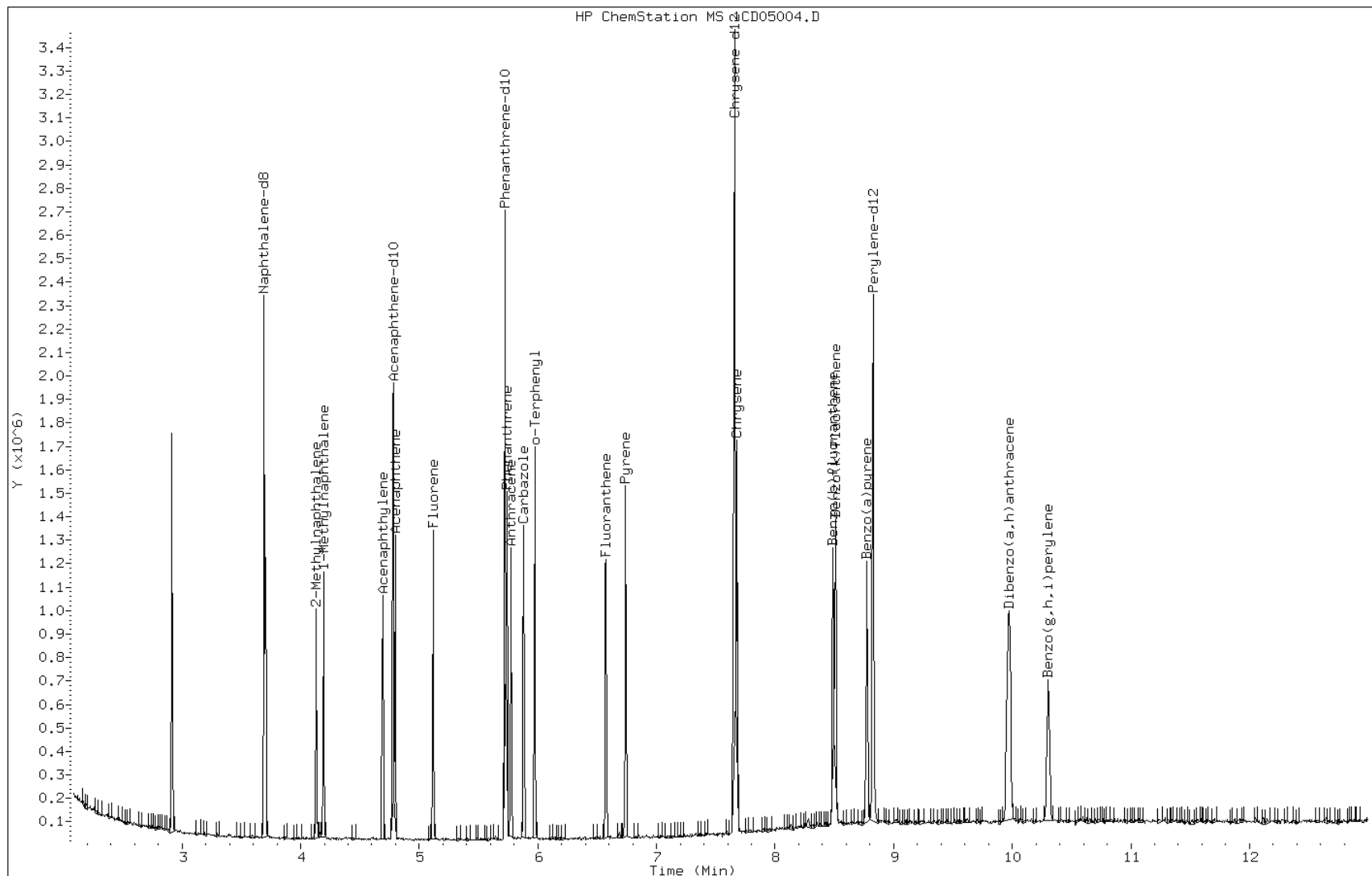
Date: 05-APR-2013 12:15

Client ID:

Instrument: BSMC5973.i

Sample Info: CCVIS-1531401

Operator: SCC

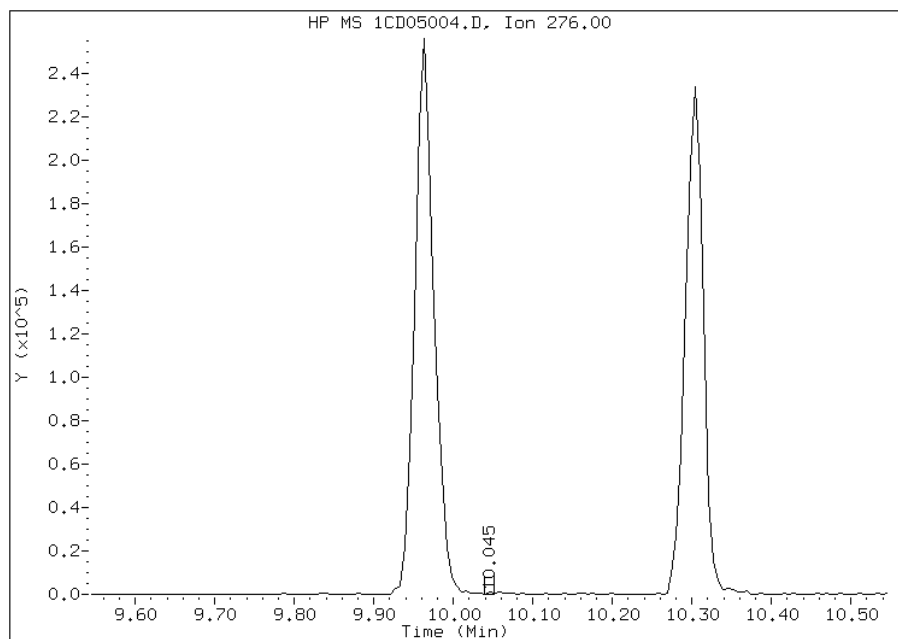


Manual Integration Report

Data File: 1CD05004.D
Inj. Date and Time: 05-APR-2013 12:15
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

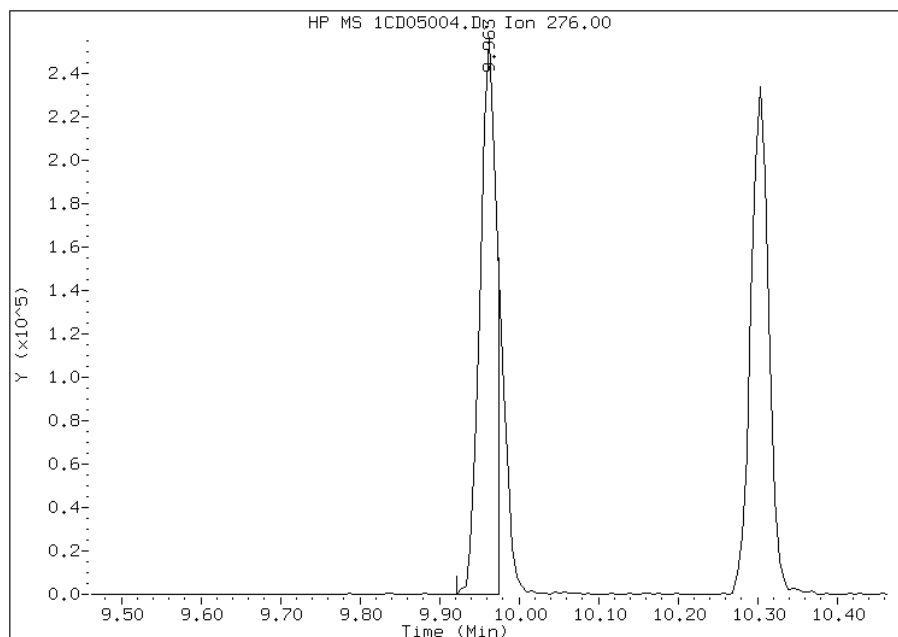
Processing Integration Results

RT: 10.05
Response: 614
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.96
Response: 369463
Amount: 20
Conc: 20



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:33
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Lab Sample ID: CCVIS 660-136263/3 Calibration Date: 04/09/2013 11:47
 Instrument ID: BSMC5973 Calib Start Date: 04/02/2013 13:26
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/02/2013 15:15
 Lab File ID: 1CD09003.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.027	1.053	0.0000	20500	20000	2.5	20.0
2-Methylnaphthalene	Ave	0.6994	0.6932	0.0000	19800	20000	-0.9	20.0
1-Methylnaphthalene	Ave	0.6293	0.6412	0.0000	20400	20000	1.9	20.0
Acenaphthylene	Ave	1.656	1.668	0.0000	20100	20000	0.7	20.0
Acenaphthene	Lin	1.025	0.9583	0.0000	18700	20000	-6.5	20.0
Fluorene	Ave	1.367	1.371	0.0000	20100	20000	0.3	20.0
Phenanthrene	Ave	1.165	1.134	0.0000	19500	20000	-2.7	20.0
Anthracene	Ave	1.181	1.155	0.0000	19600	20000	-2.2	20.0
Carbazole	Ave	1.012	1.021	0.0000	20200	20000	0.9	20.0
Fluoranthene	Ave	1.287	1.312	0.0000	20400	20000	2.0	20.0
Pyrene	Ave	1.108	1.129	0.0000	20400	20000	1.9	20.0
Benzo[a]anthracene	Lin	1.278	1.083	0.0000	18800	20000	-5.9	20.0
Chrysene	Ave	1.140	1.120	0.0000	19700	20000	-1.7	20.0
Benzo[b]fluoranthene	Ave	1.131	1.186	0.0000	21000	20000	4.9	20.0
Benzo[k]fluoranthene	Ave	1.094	1.154	0.0000	21100	20000	5.5	20.0
Benzo[a]pyrene	Ave	1.065	1.059	0.0000	19900	20000	-0.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.011	0.9173	0.0000	18100	20000	-9.3	20.0
Dibenz(a,h)anthracene	Ave	0.9341	0.9301	0.0000	19900	20000	-0.4	20.0
Benzo[g,h,i]perylene	Ave	1.032	0.9894	0.0000	19200	20000	-4.1	20.0
o-Terphenyl	Lin	0.6233	0.6038	0.0000	19200	20000	-3.9	20.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040913.b\1CD09003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 09-APR-2013 11:47
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040913.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 12:07 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.686	3.686	(1.000)	357710	40.0000	
* 6 Acenaphthene-d10	164	4.774	4.774	(1.000)	263195	40.0000	
* 10 Phenanthrene-d10	188	5.716	5.716	(1.000)	531432	40.0000	(H)
\$ 14 o-Terphenyl	230	5.968	5.968	(1.044)	160437	20.0000	19.2211
* 18 Chrysene-d12	240	7.657	7.657	(1.000)	649492	40.0000	
* 23 Perylene-d12	264	8.827	8.827	(1.000)	642611	40.0000	(H)
2 Naphthalene	128	3.698	3.698	(1.003)	188263	20.0000	20.4907
3 2-Methylnaphthalene	142	4.127	4.127	(1.120)	123987	20.0000	19.8245
4 1-Methylnaphthalene	142	4.186	4.186	(1.136)	114686	20.0000	20.3792
5 Acenaphthylene	152	4.686	4.686	(0.982)	219463	20.0000	20.1471
7 Acenaphthene	154	4.792	4.792	(1.004)	126111	20.0000	18.6920
9 Fluorene	166	5.110	5.110	(1.070)	180366	20.0000	20.0537
11 Phenanthrene	178	5.733	5.733	(1.003)	301210	20.0000	19.4608(H)
12 Anthracene	178	5.768	5.768	(1.009)	306920	20.0000	19.5616(H)
13 Carbazole	167	5.874	5.874	(1.028)	271183	20.0000	20.1739(H)
15 Fluoranthene	202	6.568	6.568	(1.149)	348726	20.0000	20.4013(H)
16 Pyrene	202	6.733	6.733	(0.879)	366676	20.0000	20.3805
17 Benzo(a)anthracene	228	7.645	7.645	(0.998)	351642	20.0000	18.8211
19 Chrysene	228	7.674	7.674	(1.002)	363844	20.0000	19.6590
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.961)	381044	20.0000	20.9743(H)
21 Benzo(k)fluoranthene	252	8.509	8.509	(0.964)	370749	20.0000	21.1001
22 Benzo(a)pyrene	252	8.768	8.768	(0.993)	340105	20.0000	19.8845(H)
24 Indeno(1,2,3-cd)pyrene	276	9.956	9.956	(1.128)	294723	20.0000	18.1418(MH)
25 Dibenzo(a,h)anthracene	278	9.974	9.974	(1.130)	298832	20.0000	19.9128(H)
26 Benzo(g,h,i)perylene	276	10.298	10.298	(1.167)	317908	20.0000	19.1736(H)

QC Flag Legend

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

Data File: 1CD09003.D

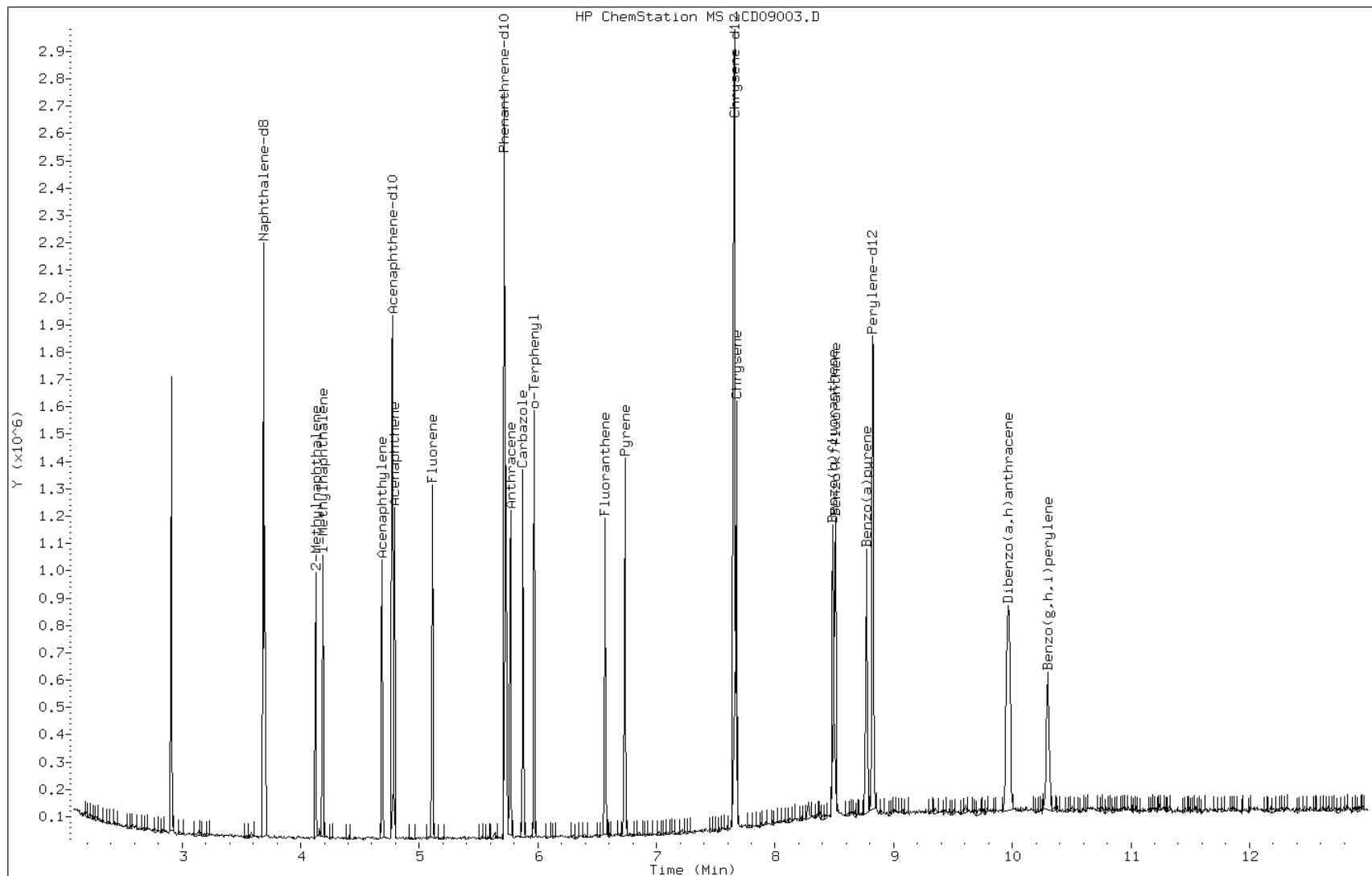
Date: 09-APR-2013 11:47

Client ID:

Instrument: BSMC5973.i

Sample Info: CCVIS-1531401

Operator: SCC

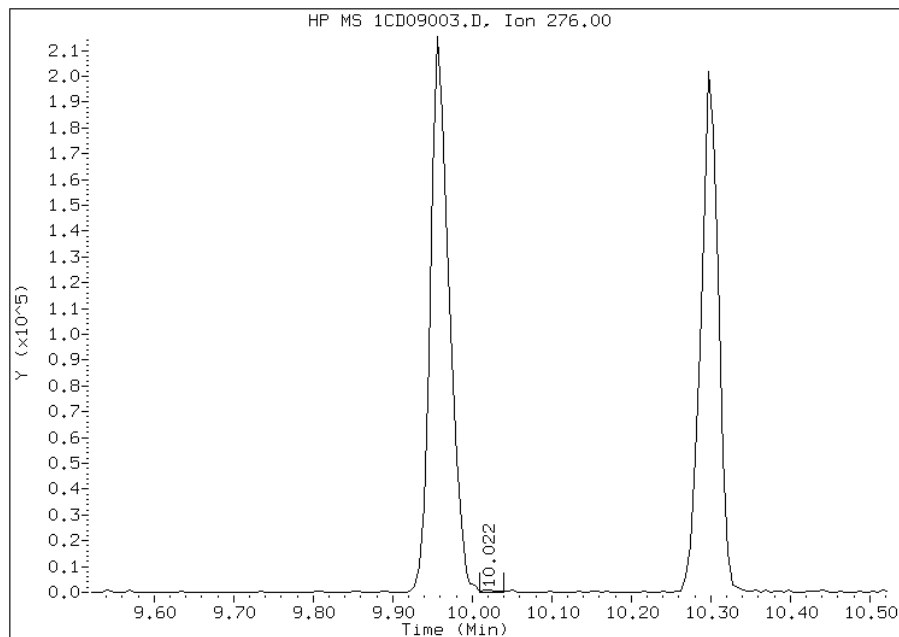


Manual Integration Report

Data File: 1CD09003.D
Inj. Date and Time: 09-APR-2013 11:47
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

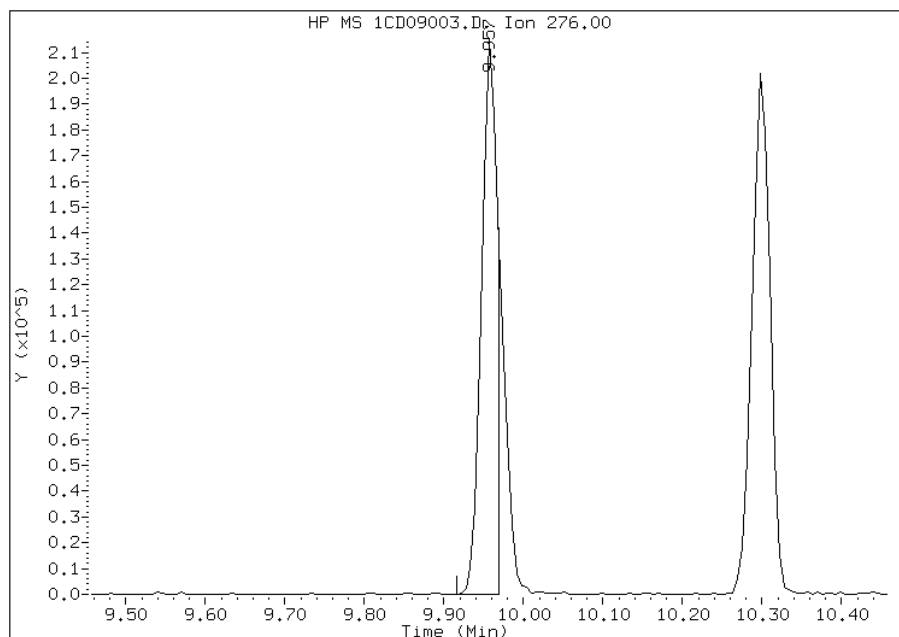
Processing Integration Results

RT: 10.02
Response: 1228
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.96
Response: 294723
Amount: 18
Conc: 18



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 12:08
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 02-APR-2013 11:31
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.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				
7.310	7.469	-0.159	198	70432			50.00-	0.00	100.00
7.310	7.469	-0.159	51	24576			10.00-	80.00	34.89
7.310	7.469	-0.159	68	571			0.00-	2.00	1.62
7.310	7.469	-0.159	69	35176			0.00-	0.00	49.94
7.310	7.469	-0.159	70	308			0.00-	2.00	0.88
7.310	7.469	-0.159	127	29688			10.00-	80.00	42.15
7.310	7.469	-0.159	197	310			0.00-	2.00	0.44
7.310	7.469	-0.159	442	39944			50.00-	0.00	56.71
7.310	7.469	-0.159	199	5383			5.00-	9.00	7.64
7.310	7.469	-0.159	275	15117			10.00-	60.00	21.46
7.310	7.469	-0.159	365	2390			1.00-	0.00	3.39
7.310	7.469	-0.159	441	7169			0.01-	99.99	92.67
7.310	7.469	-0.159	443	7736			15.00-	24.00	19.37

Data File: 1CD02002.D

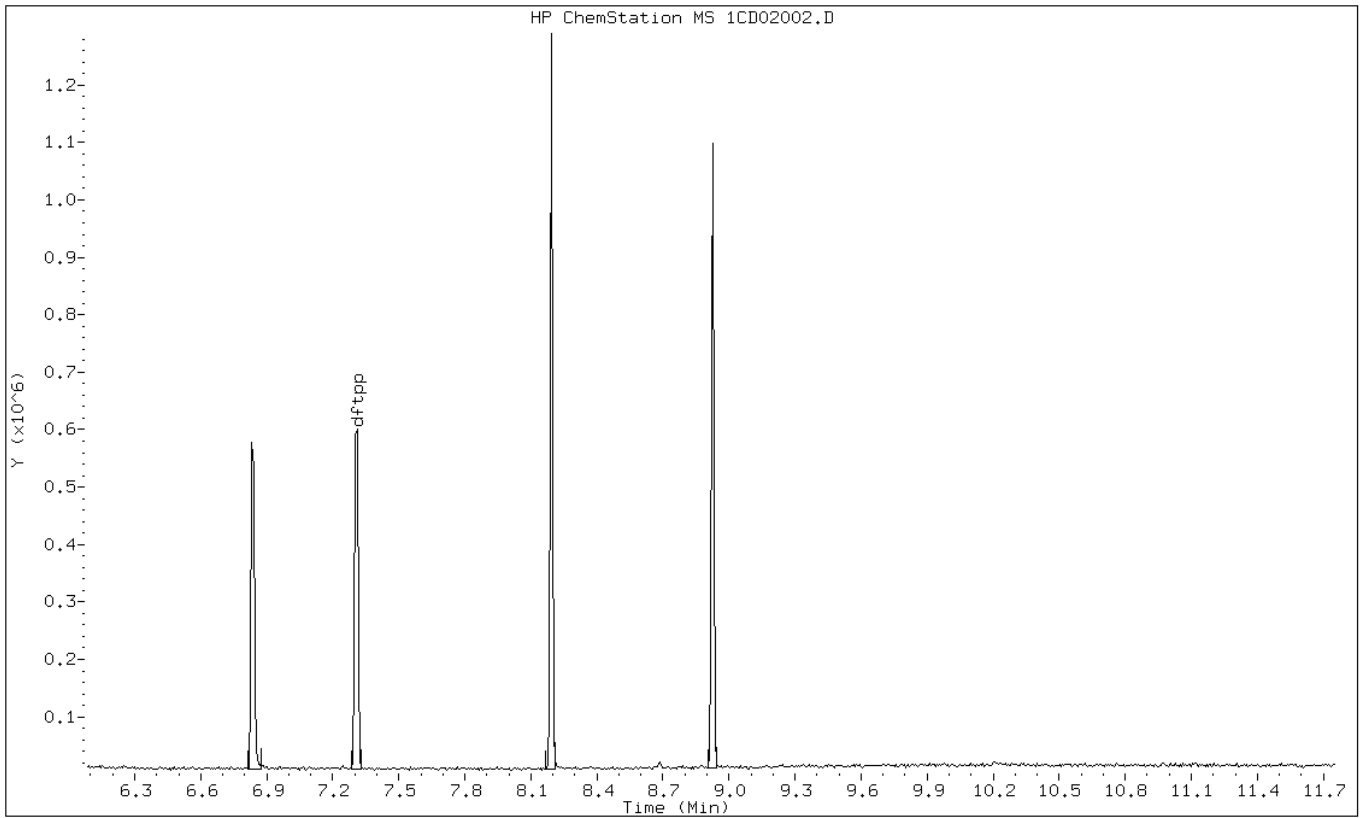
Date: 02-APR-2013 11:31

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD02002.D

Date: 02-APR-2013 11:31

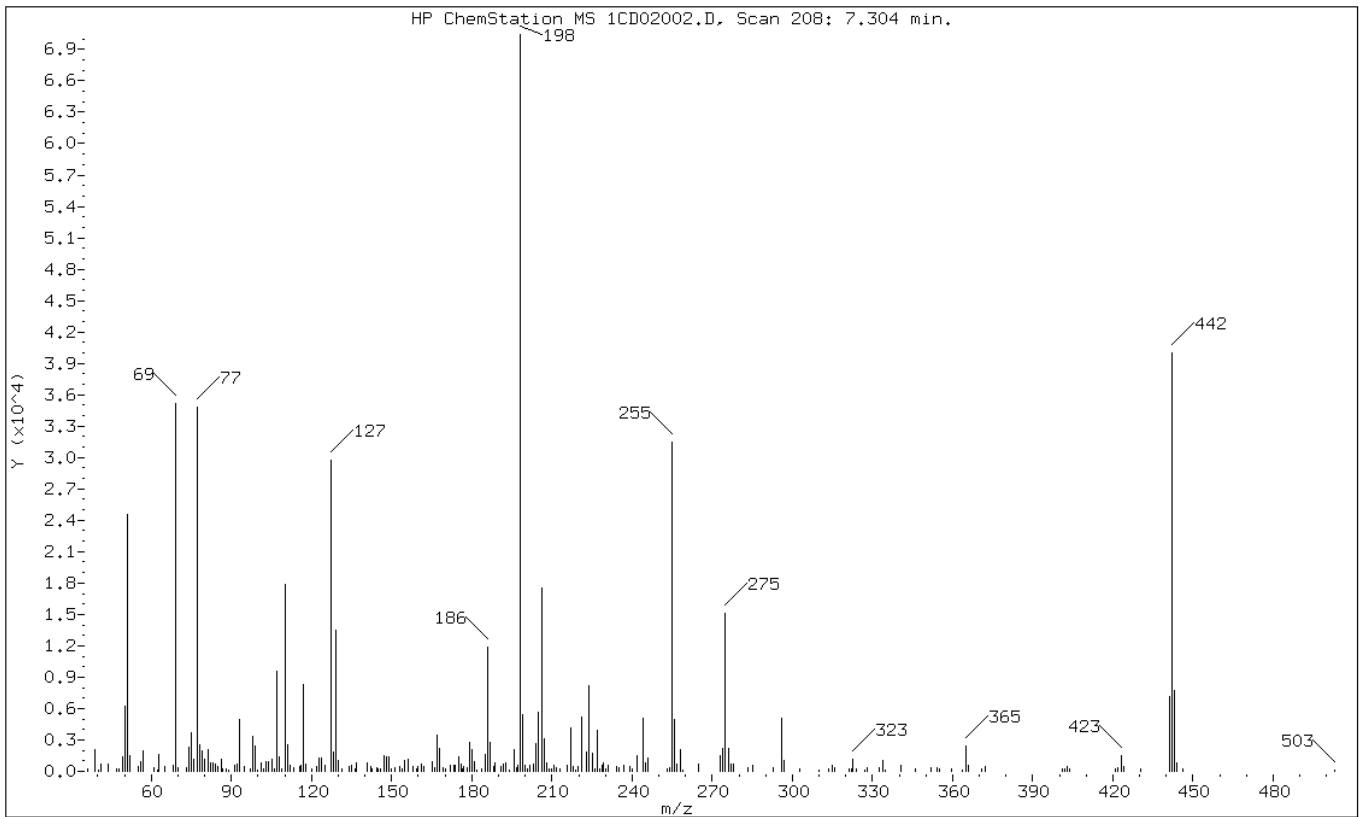
Client ID: DFTPP

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	34.89
68	Less than 2.00% of mass 69	0.81 (1.62)
69	Mass 69 relative abundance	49.94
70	Less than 2.00% of mass 69	0.44 (0.88)
127	10.00 - 80.00% of mass 198	42.15
197	Less than 2.00% of mass 198	0.44
442	Greater than 50.00% of mass 198	56.71
199	5.00 - 9.00% of mass 198	7.64
275	10.00 - 60.00% of mass 198	21.46
365	Greater than 1.00% of mass 198	3.39
441	Present, but less than mass 443	10.18
443	15.00 - 24.00% of mass 442	10.98 (19.37)

Data File: 1CD02002.D

Date: 02-APR-2013 11:31

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213_PAHIC.b\1CD02002.D

Spectrum: HP ChemStation MS 1CD02002.D, Scan 208: 7.304 min.

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.20	191	113.10	351	185.10	1649	258.00	2060
39.00	2089	115.80	410	186.00	11880	259.00	166
40.10	156	116.20	563	187.00	2755	265.00	700
41.20	672	117.00	8338	188.30	505	273.00	1556
44.00	691	118.00	714	188.80	850	274.00	2191
46.90	264	120.20	251	190.90	451	275.00	15117
48.00	207	122.00	433	192.00	717	276.10	2178
49.10	1329	122.90	1302	192.90	774	276.90	747
50.10	6281	123.80	1270	193.90	161	278.10	714
51.10	24576	125.10	560	195.90	2063	283.20	367
52.10	1487	127.10	29688	196.70	310	285.10	604
55.00	486	128.00	1837	197.10	545	293.00	386
56.10	964	129.10	13517	198.00	70432	296.00	5053
57.00	1965	130.00	1041	199.00	5383	297.00	1014
60.80	304	131.20	273	200.10	567	302.80	285
62.30	156	134.00	480	200.60	270	310.10	151
63.00	1637	134.90	620	201.50	554	313.70	217
65.00	481	136.20	200	203.00	654	315.00	561
68.10	571	137.00	811	204.10	2706	316.00	397
69.00	35176	140.90	765	205.10	5687	321.20	252
69.90	308	142.10	410	206.10	17552	322.00	188
73.00	304	142.70	282	207.10	3108	322.80	1174
74.10	2331	144.30	362	208.00	798	324.00	267
75.00	3676	145.00	189	208.90	282	327.10	153
76.00	1155	145.90	247	210.00	219	328.20	395
77.10	34856	147.10	1448	210.90	584	332.70	292
78.10	2489	148.00	1427	211.50	320	333.90	1034
79.10	1952	149.00	1344	213.00	214	334.60	151
80.10	1105	150.00	235	215.70	551	340.80	534
81.10	2019	151.00	357	217.00	4128	346.10	272
82.00	853	153.00	443	217.90	509	352.10	376
83.00	779	153.90	266	218.80	152	354.20	383
83.80	657	155.00	984	219.60	431	354.90	200
84.90	486	156.00	1110	221.00	5183	359.50	267
86.10	1181	157.80	502	223.10	1793	363.80	168
86.90	260	159.30	205	224.00	8192	365.00	2390
88.00	245	159.90	477	225.20	1759	365.90	597
89.10	155	161.10	679	226.10	240	370.80	193
91.10	583	162.00	441	227.00	3893	372.00	411
92.10	667	165.10	934	227.90	218	401.00	218

93.00	5005	166.00	385	228.70	623	402.10	194
95.00	495	167.00	3405	229.10	783	402.90	407
96.90	195	168.00	2215	230.00	287	403.80	197
98.00	3343	169.20	374	231.10	622	420.70	267
99.00	2408	170.30	186	234.00	423	421.10	211
100.00	162	172.10	634	234.90	390	422.00	318
101.00	782	173.10	602	236.90	598	423.00	1535
102.10	189	173.70	532	239.10	486	424.00	439
103.10	884	175.10	1337	240.10	221	430.30	186
104.00	939	176.00	727	242.00	1442	441.00	7169
105.00	1194	176.60	217	244.10	5072	442.00	39944
106.00	180	177.10	501	245.20	829	443.00	7736
107.00	9612	178.10	387	246.00	1322	444.00	786
108.00	1350	179.00	2811	253.10	269	446.00	182
109.00	183	180.10	2065	254.10	289	503.00	171
110.00	17856	181.00	967	255.00	31424		
111.00	2511	181.80	164	256.00	4972		
112.10	622	183.90	209	256.90	650		

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 04-APR-2013 11:33
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.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				
7.298	7.469	-0.171	198	91280			50.00-	0.00	100.00
7.298	7.469	-0.171	51	34280			10.00-	80.00	37.55
7.298	7.469	-0.171	68	802			0.00-	2.00	1.86
7.298	7.469	-0.171	69	43144			0.00-	0.00	47.27
7.298	7.469	-0.171	70	246			0.00-	2.00	0.57
7.298	7.469	-0.171	127	44344			10.00-	80.00	48.58
7.298	7.469	-0.171	197	589			0.00-	2.00	0.65
7.298	7.469	-0.171	442	67840			50.00-	0.00	74.32
7.298	7.469	-0.171	199	5540			5.00-	9.00	6.07
7.298	7.469	-0.171	275	21928			10.00-	60.00	24.02
7.298	7.469	-0.171	365	2867			1.00-	0.00	3.14
7.298	7.469	-0.171	441	9852			0.01-	99.99	81.68
7.298	7.469	-0.171	443	12062			15.00-	24.00	17.78

Data File: 1CD04002.D

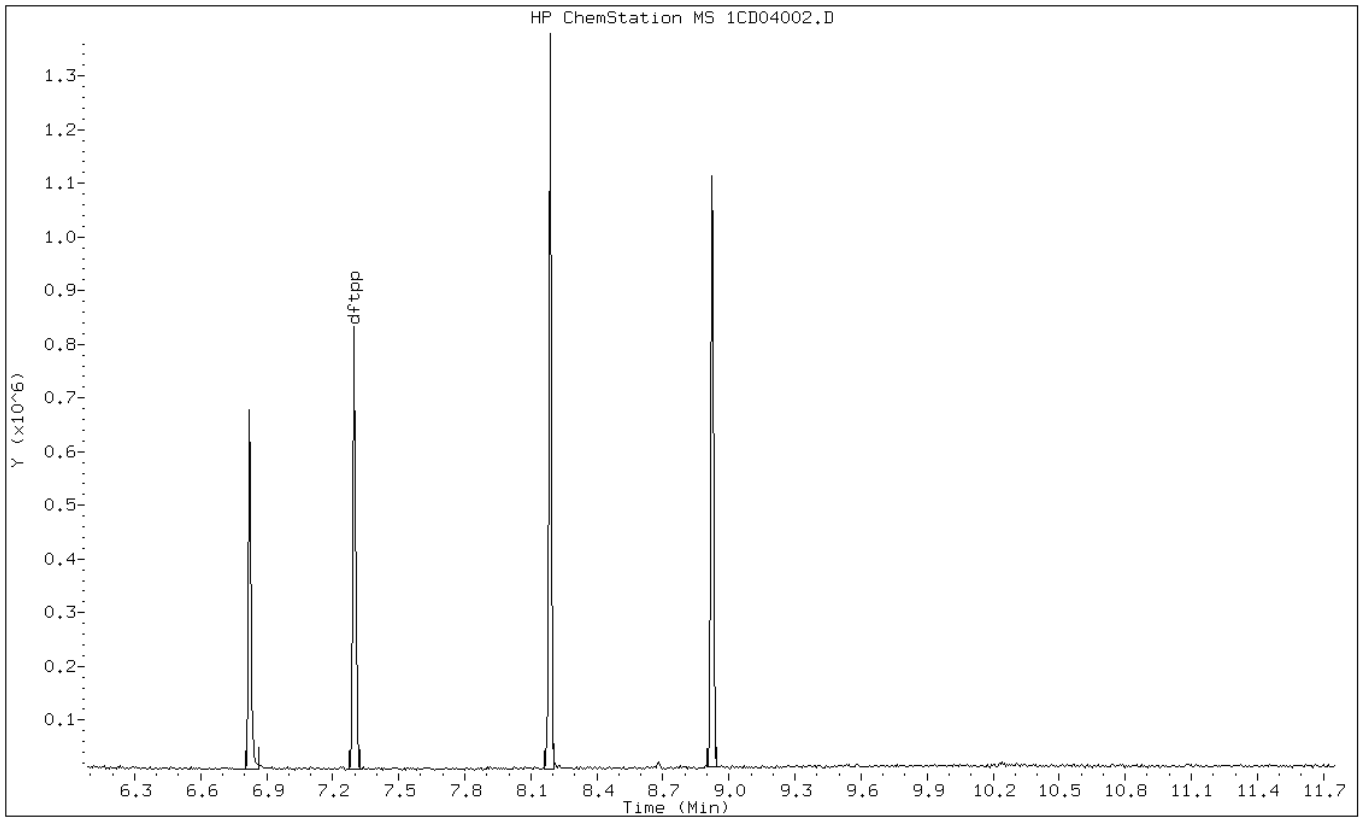
Date: 04-APR-2013 11:33

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD04002.D

Date: 04-APR-2013 11:33

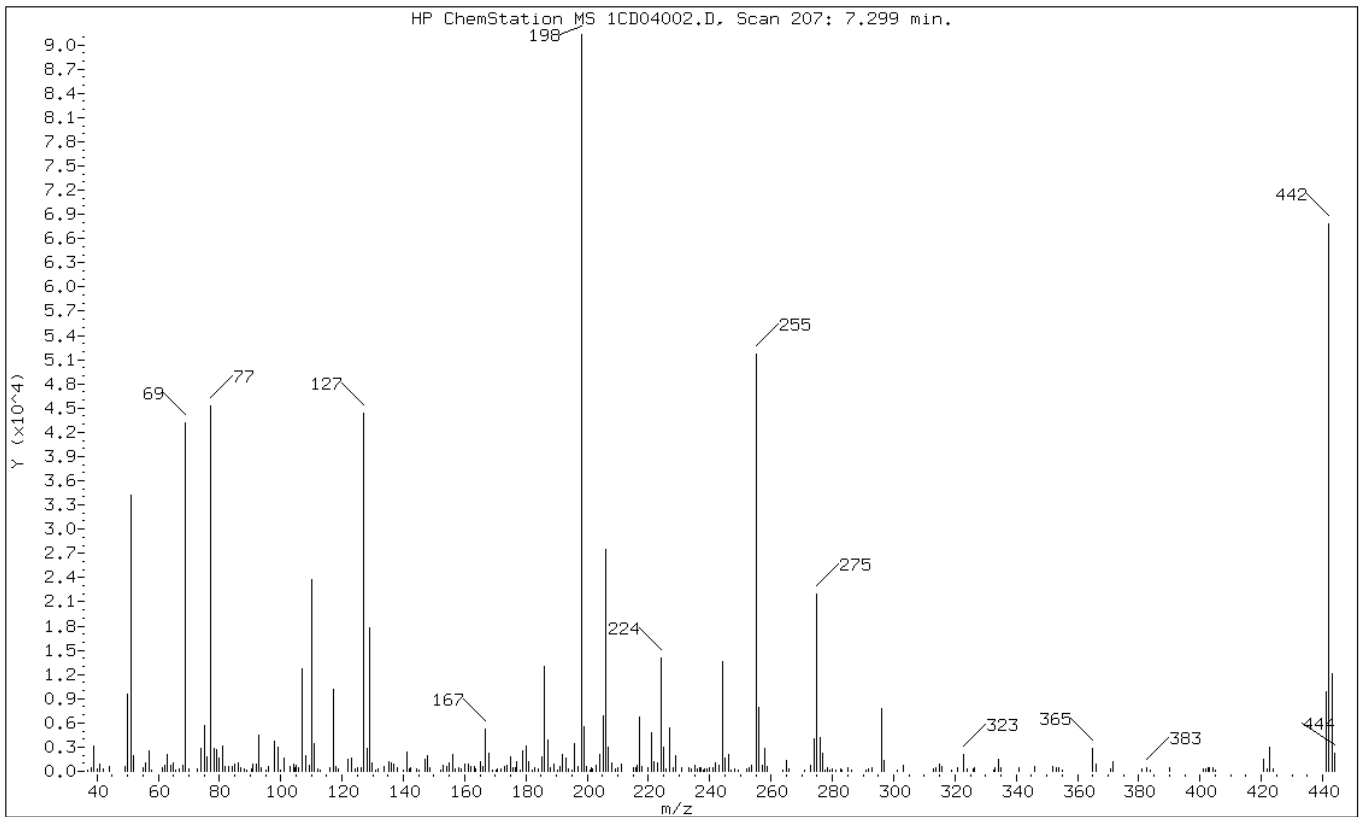
Client ID: DFTPP

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	37.55
68	Less than 2.00% of mass 69	0.88 (1.86)
69	Mass 69 relative abundance	47.27
70	Less than 2.00% of mass 69	0.27 (0.57)
127	10.00 - 80.00% of mass 198	48.58
197	Less than 2.00% of mass 198	0.65
442	Greater than 50.00% of mass 198	74.32
199	5.00 - 9.00% of mass 198	6.07
275	10.00 - 60.00% of mass 198	24.02
365	Greater than 1.00% of mass 198	3.14
441	Present, but less than mass 443	10.79
443	15.00 - 24.00% of mass 442	13.21 (17.78)

Data File: 1CD04002.D

Date: 04-APR-2013 11:33

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04002.D

Spectrum: HP ChemStation MS 1CD04002.D, Scan 207: 7.299 min.

Location of Maximum: 198.00

Number of points: 266

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	152	118.10	529	191.10	603	266.00	246
38.00	412	118.90	303	192.00	2056	270.90	152
39.10	3167	122.00	1466	193.00	1682	273.00	818
40.00	273	123.00	1580	194.00	337	274.00	3959
41.10	924	124.10	336	195.10	210	275.00	21928
42.30	240	125.00	391	196.00	3424	276.00	4135
44.10	596	126.10	436	196.90	589	277.00	2171
49.00	575	127.10	44344	198.00	91280	277.70	205
50.10	9600	128.10	2867	199.00	5540	278.20	476
51.10	34280	129.10	17776	199.90	572	279.10	195
52.10	1870	129.90	1061	200.80	213	279.80	373
54.90	513	130.90	213	201.40	460	281.00	221
56.00	1058	131.90	322	201.80	314	282.80	267
57.10	2566	133.90	535	203.00	716	283.30	154
58.00	183	135.10	1255	204.10	2153	285.10	415
61.20	423	136.00	1033	205.10	6835	286.10	217
62.10	758	136.90	861	206.10	27472	290.90	164
63.10	2026	137.90	448	207.00	2998	291.90	244
64.00	750	140.10	197	208.00	1108	293.10	384
65.10	1044	141.00	2403	209.00	371	296.00	7827
65.80	220	142.00	320	210.10	457	296.90	1317
66.90	348	142.50	483	211.10	873	301.00	180
68.10	802	144.20	327	215.10	477	303.00	790
69.00	43144	145.30	184	215.70	518	313.00	289
70.00	246	147.00	1426	216.20	747	313.90	427
72.90	258	148.00	2005	217.00	6793	315.00	838
74.00	2781	148.80	462	218.00	577	315.90	589
75.10	5664	152.00	170	219.80	461	318.80	183
76.00	1744	153.00	734	221.00	4710	320.90	402
77.10	45208	154.10	659	221.60	1153	323.00	2127
78.10	2910	155.10	1060	223.00	1063	323.90	309
79.00	2655	156.00	2024	224.10	14028	326.00	352
80.00	1646	157.00	257	225.00	3037	326.40	391
80.90	3183	158.10	474	225.90	328	332.50	198
81.90	573	159.00	336	227.00	5364	333.00	376
83.00	620	160.00	917	228.10	484	334.10	1488
84.10	546	161.10	862	229.00	1933	334.90	445
85.10	831	162.00	575	230.90	518	340.80	497
86.00	1014	163.20	666	233.10	417	346.10	547
87.10	471	163.60	254	234.00	294	351.90	578

88.00	288	165.10	1154	235.10	766	352.90	437
88.90	150	166.10	672	236.10	369	353.90	453
90.30	355	166.90	5170	236.70	374	355.00	178
90.90	969	168.10	2193	237.10	413	364.90	2867
92.00	962	169.00	166	237.90	222	366.00	934
+-----+-----+-----+-----+-----+-----+-----+-----+							
93.00	4427	170.10	166	238.20	250	370.70	233
93.80	468	170.80	270	239.10	245	371.70	1223
95.00	187	172.00	308	239.90	463	380.90	272
96.10	603	173.10	592	241.00	455	382.70	414
98.10	3800	174.00	690	242.00	985	383.90	170
+-----+-----+-----+-----+-----+-----+-----+-----+							
99.10	3028	175.10	1761	243.10	806	389.90	401
100.00	165	175.80	402	244.10	13630	401.10	282
101.10	1608	176.50	426	245.00	1704	401.80	351
103.00	637	177.00	1227	246.00	2114	402.50	376
104.10	900	178.00	206	247.10	171	403.00	405
+-----+-----+-----+-----+-----+-----+-----+-----+							
104.80	514	179.00	2574	248.10	244	404.00	375
105.20	766	180.20	3073	249.20	185	404.90	157
105.90	456	181.00	1142	251.90	237	420.90	1442
107.00	12717	182.10	217	252.70	383	421.90	364
108.10	1934	183.00	455	253.80	805	422.80	3047
+-----+-----+-----+-----+-----+-----+-----+-----+							
109.20	808	183.90	303	255.00	51728	424.00	330
110.00	23736	185.10	1864	256.00	7944	441.00	9852
111.10	3381	186.00	12966	257.20	708	442.00	67840
112.20	346	187.00	3887	258.00	2831	443.00	12062
113.00	150	188.00	433	258.80	533	443.90	2274
+-----+-----+-----+-----+-----+-----+-----+-----+							
116.00	512	189.00	910	263.80	154		
117.10	10089	190.20	193	264.90	1292		
+-----+-----+-----+-----+-----+-----+-----+-----+							

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05003.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 05-APR-2013 11:57
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.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				
7.286	7.469	-0.183	198	70588			50.00-	0.00	100.00
7.286	7.469	-0.183	51	29336			10.00-	80.00	41.56
7.286	7.469	-0.183	68	565			0.00-	2.00	1.45
7.286	7.469	-0.183	69	39020			0.00-	0.00	55.28
7.286	7.469	-0.183	70	218			0.00-	2.00	0.56
7.286	7.469	-0.183	127	34576			10.00-	80.00	48.98
7.286	7.469	-0.183	197	438			0.00-	2.00	0.62
7.286	7.469	-0.183	442	39248			50.00-	0.00	55.60
7.286	7.469	-0.183	199	4704			5.00-	9.00	6.66
7.286	7.469	-0.183	275	13612			10.00-	60.00	19.28
7.286	7.469	-0.183	365	2087			1.00-	0.00	2.96
7.286	7.469	-0.183	441	5332			0.01-	99.99	64.58
7.286	7.469	-0.183	443	8257			15.00-	24.00	21.04

Data File: 1CD05003.D

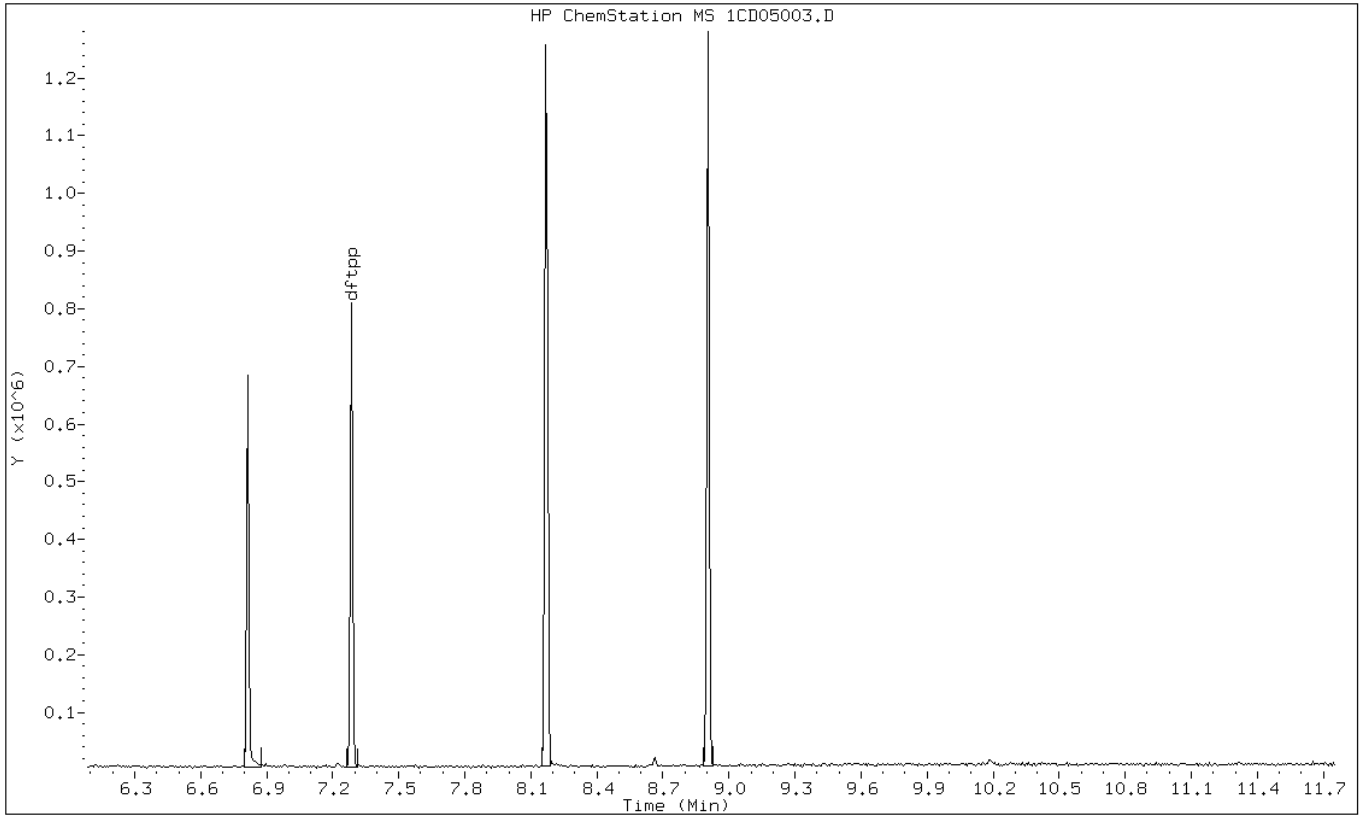
Date: 05-APR-2013 11:57

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD05003.D

Date: 05-APR-2013 11:57

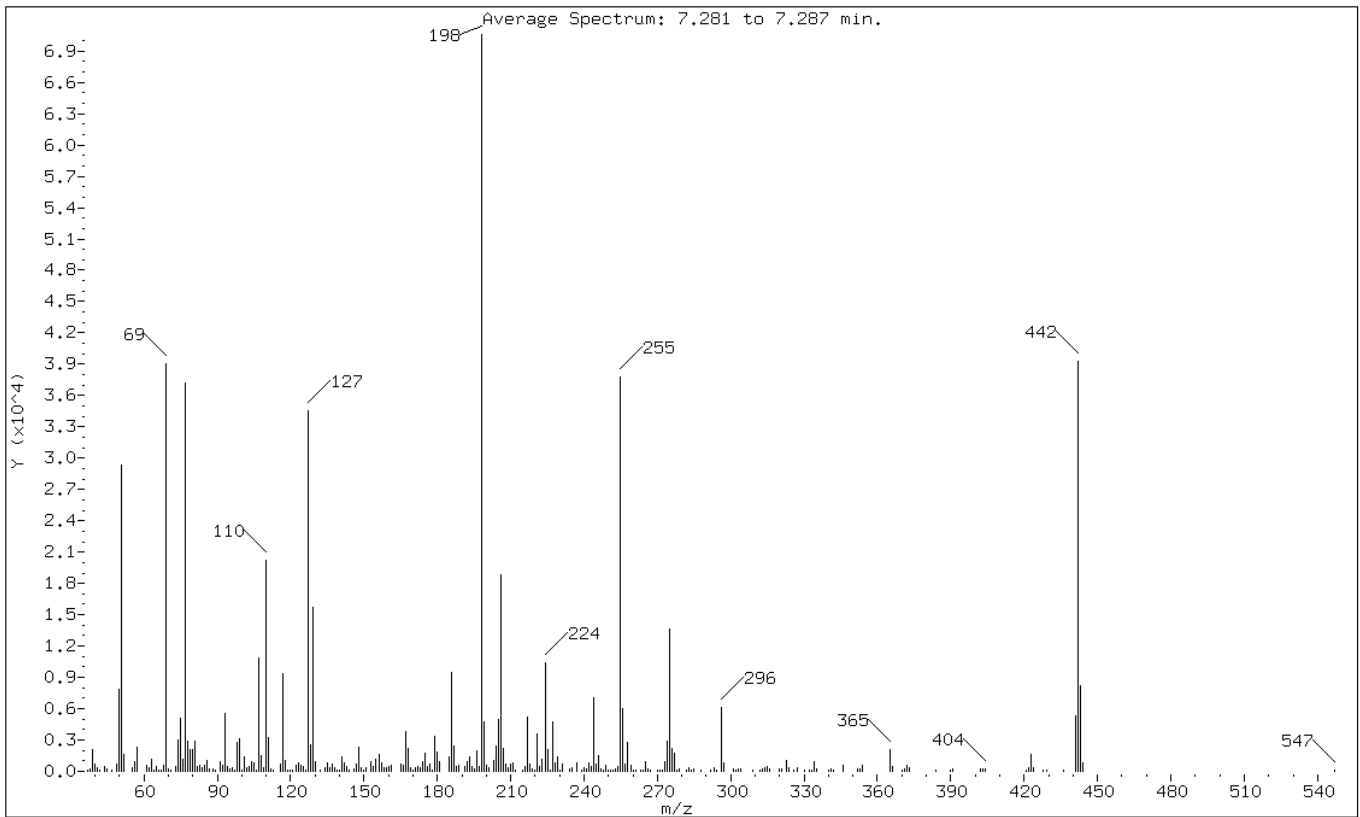
Client ID: DFTPP

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	41.56
68	Less than 2.00% of mass 69	0.80 (1.45)
69	Mass 69 relative abundance	55.28
70	Less than 2.00% of mass 69	0.31 (0.56)
127	10.00 - 80.00% of mass 198	48.98
197	Less than 2.00% of mass 198	0.62
442	Greater than 50.00% of mass 198	55.60
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 60.00% of mass 198	19.28
365	Greater than 1.00% of mass 198	2.96
441	Present, but less than mass 443	7.55
443	15.00 - 24.00% of mass 442	11.70 (21.04)

Data File: 1CD05003.D

Date: 05-APR-2013 11:57

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsrv\chem\SM\BSMC5973.i\1C040513.b\1CD05003.D

Spectrum: Average Spectrum: 7.281 to 7.287 min.

Location of Maximum: 198.00

Number of points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	87	118.00	1005	198.00	70584	277.00	1778
38.00	215	119.00	77	199.00	4704	278.00	123
39.00	2084	120.00	109	200.00	535	279.00	249
40.00	685	121.00	95	201.00	377	282.00	110
41.00	373	122.00	557	203.00	1061	283.00	366
42.00	99	123.00	824	204.00	2377	284.00	78
44.00	466	124.00	525	205.00	4989	285.00	223
45.00	227	125.00	459	206.00	18816	288.00	110
47.00	162	126.00	156	207.00	2185	292.00	134
49.00	724	127.00	34576	208.00	693	293.00	289
50.00	7845	128.00	2580	209.00	314	294.00	163
51.00	29336	129.00	15715	210.00	666	296.00	6099
52.00	1655	130.00	920	211.00	776	297.00	790
55.00	364	132.00	129	212.00	124	301.00	224
56.00	896	134.00	387	215.00	121	302.00	162
57.00	2300	135.00	780	216.00	407	303.00	275
61.00	566	136.00	313	217.00	5252	304.00	252
62.00	316	137.00	703	218.00	694	309.00	166
63.00	1159	138.00	398	219.00	258	312.00	119
64.00	78	139.00	81	220.00	136	313.00	204
65.00	468	140.00	81	221.00	3530	314.00	309
66.00	82	141.00	1344	222.00	504	315.00	458
67.00	138	142.00	755	223.00	1120	316.00	213
68.00	565	143.00	438	224.00	10390	320.00	205
69.00	39016	144.00	75	225.00	2068	321.00	246
70.00	218	146.00	214	226.00	144	323.00	1081
71.00	79	147.00	650	227.00	4743	324.00	400
73.00	429	148.00	2309	228.00	766	326.00	99
74.00	3044	149.00	380	229.00	1355	327.00	399
75.00	5071	150.00	82	230.00	78	330.00	118
76.00	1173	151.00	300	231.00	697	332.00	99
77.00	37208	153.00	927	234.00	233	333.00	94
78.00	2848	154.00	467	235.00	309	334.00	919
79.00	2133	155.00	1200	237.00	759	335.00	218
80.00	2030	156.00	1561	239.00	78	340.00	87
81.00	2919	157.00	859	240.00	290	341.00	188
82.00	460	158.00	326	241.00	276	342.00	147
83.00	534	159.00	358	242.00	757	346.00	613
84.00	344	160.00	508	243.00	471	352.00	275
85.00	549	161.00	601	244.00	7050	353.00	186

86.00	1030	165.00	731	245.00	670	354.00	548
87.00	176	166.00	623	246.00	1507	365.00	2087
88.00	257	167.00	3864	247.00	284	366.00	490
89.00	87	168.00	2200	248.00	109	370.00	147
91.00	945	169.00	331	249.00	616	371.00	183
92.00	633	170.00	165	250.00	141	372.00	601
93.00	5573	171.00	295	251.00	99	373.00	335
94.00	433	172.00	412	252.00	82	384.00	140
95.00	219	173.00	329	253.00	183	390.00	75
96.00	357	174.00	969	254.00	496	391.00	206
97.00	94	175.00	1726	255.00	37768	402.00	252
98.00	2760	176.00	453	256.00	6014	403.00	188
99.00	3086	177.00	636	257.00	656	404.00	274
100.00	108	178.00	167	258.00	2749	421.00	79
101.00	1360	179.00	3315	259.00	560	422.00	289
102.00	383	180.00	1844	260.00	94	423.00	1582
103.00	417	181.00	957	261.00	110	424.00	356
104.00	900	185.00	1392	263.00	75	428.00	103
105.00	865	186.00	9523	264.00	82	429.00	102
106.00	162	187.00	2465	265.00	976	436.00	121
107.00	10874	188.00	440	266.00	191	441.00	5332
108.00	1494	189.00	611	267.00	142	442.00	39248
109.00	397	191.00	453	270.00	87	443.00	8257
110.00	20224	192.00	872	271.00	101	444.00	752
111.00	3238	193.00	1334	272.00	155	547.00	127
112.00	219	194.00	408	273.00	972		
113.00	166	195.00	217	274.00	2900		
116.00	660	196.00	1965	275.00	13612		
117.00	9344	197.00	438	276.00	2248		

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040913.b\1CD09002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 09-APR-2013 11:31
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040913.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				
7.280	7.469	-0.189	198	74928			50.00-	0.00	100.00
7.280	7.469	-0.189	51	28256			10.00-	80.00	37.71
7.280	7.469	-0.189	68	439			0.00-	2.00	1.19
7.280	7.469	-0.189	69	36832			0.00-	0.00	49.16
7.280	7.469	-0.189	70	0	0.0	0.0	0.00-	2.00	0.00
7.280	7.469	-0.189	127	33536			10.00-	80.00	44.76
7.280	7.469	-0.189	197	488			0.00-	2.00	0.65
7.280	7.469	-0.189	442	60896			50.00-	0.00	81.27
7.280	7.469	-0.189	199	4873			5.00-	9.00	6.50
7.280	7.469	-0.189	275	14347			10.00-	60.00	19.15
7.280	7.469	-0.189	365	3358			1.00-	0.00	4.48
7.280	7.469	-0.189	441	9103			0.01-	99.99	67.61
7.280	7.469	-0.189	443	13464			15.00-	24.00	22.11

Data File: 1CD09002.D

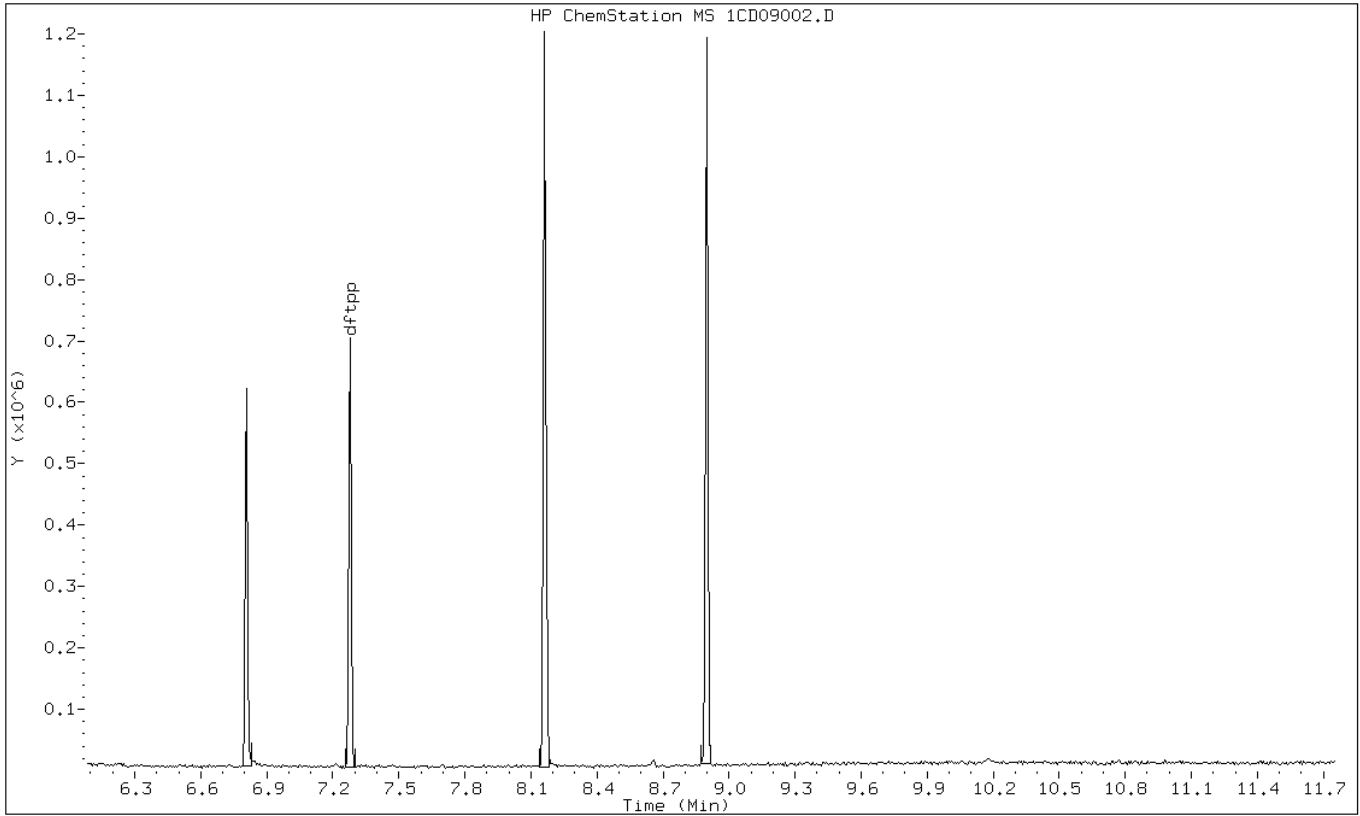
Date: 09-APR-2013 11:31

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD09002.D

Date: 09-APR-2013 11:31

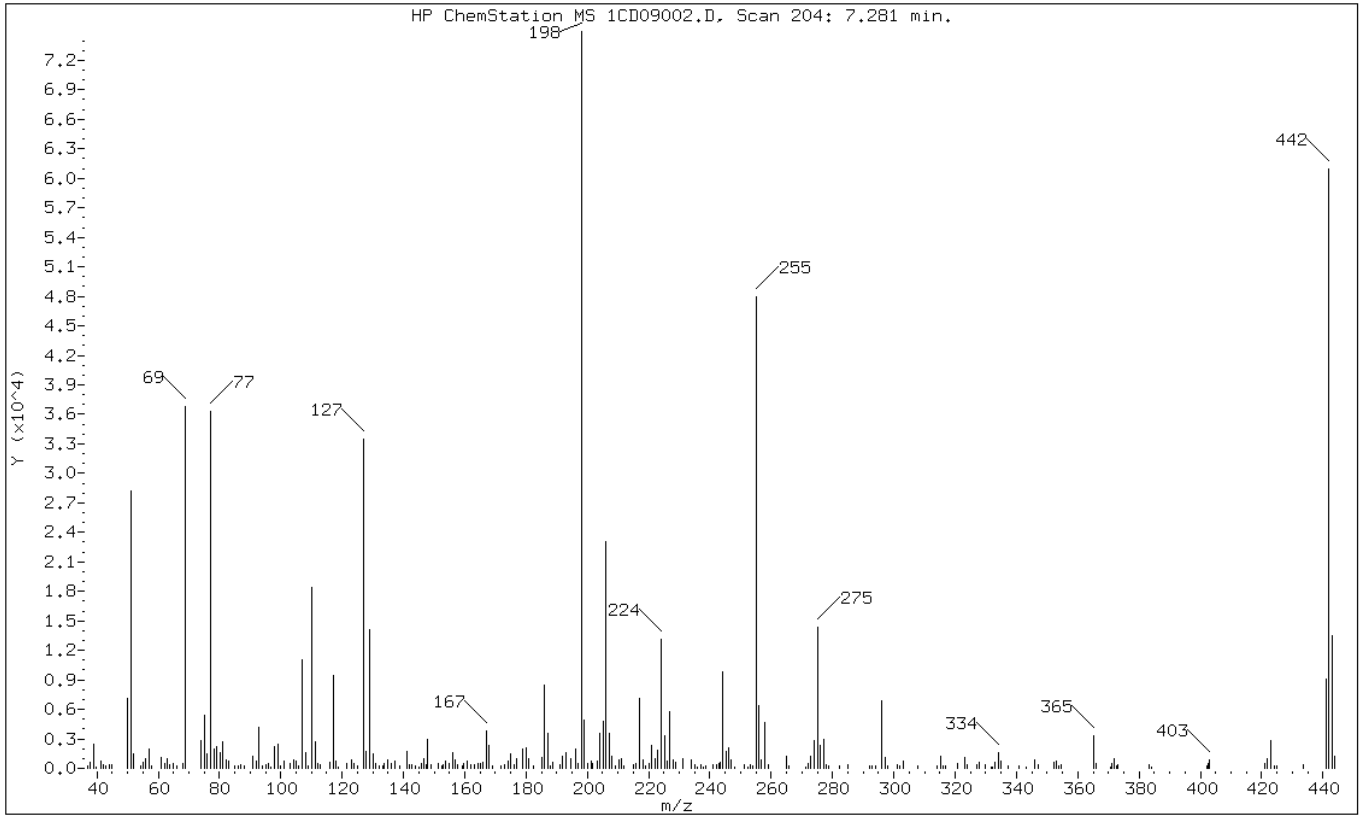
Client ID: DFTPP

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	37.71
68	Less than 2.00% of mass 69	0.59 (1.19)
69	Mass 69 relative abundance	49.16
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	44.76
197	Less than 2.00% of mass 198	0.65
442	Greater than 50.00% of mass 198	81.27
199	5.00 - 9.00% of mass 198	6.50
275	10.00 - 60.00% of mass 198	19.15
365	Greater than 1.00% of mass 198	4.48
441	Present, but less than mass 443	12.15
443	15.00 - 24.00% of mass 442	17.97 (22.11)

Data File: 1CD09002.D

Date: 09-APR-2013 11:31

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsrv\chem\SM\BSMC5973.i\1C040913.b\1CD09002.D

Spectrum: HP ChemStation MS 1CD09002.D, Scan 204: 7.281 min.

Location of Maximum: 198.00

Number of points: 256

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	303	121.70	501	197.00	488	277.00	2932
37.90	644	123.00	803	198.00	74928	277.80	317
39.10	2437	123.80	456	198.90	4873	278.90	244
39.90	183	125.10	284	200.00	503	282.10	289
41.20	713	127.10	33536	201.30	734	285.10	385
42.10	366	127.90	1719	201.60	542	292.00	202
42.90	295	129.10	14144	203.10	759	292.90	209
44.00	392	130.10	1532	204.00	3512	294.00	258
45.00	374	130.90	456	205.10	4815	296.00	6866
50.10	7102	132.10	256	206.00	23080	297.10	1131
51.10	28256	133.10	250	207.10	3594	297.80	186
52.10	1481	133.80	480	208.00	1243	301.10	371
54.10	185	134.80	870	209.00	290	301.80	227
55.00	604	136.00	478	210.30	836	302.90	771
56.00	1018	137.10	750	211.10	952	307.70	238
57.10	1912	138.70	279	212.10	250	314.00	209
58.00	210	141.00	1665	215.00	372	315.10	1231
61.00	1106	142.10	403	215.90	508	316.00	255
62.00	481	142.60	351	217.00	7162	316.80	300
63.00	992	143.80	198	218.00	860	320.90	493
63.90	313	145.10	182	218.90	222	323.00	1104
65.00	449	145.90	492	220.30	499	324.10	311
66.10	233	146.80	950	221.10	2282	326.90	359
68.00	439	147.30	406	222.10	1001	327.80	604
69.00	36832	148.00	2884	223.10	1791	330.00	316
74.00	2854	149.00	385	224.00	13135	331.90	155
75.10	5362	151.50	517	225.10	3344	332.20	153
76.10	1470	152.50	251	226.00	688	333.00	609
77.10	36312	153.00	376	227.00	5786	334.10	1631
78.10	2001	153.70	719	228.00	866	334.90	679
79.00	2216	155.10	461	228.80	569	337.20	239
80.10	1539	156.00	1563	231.00	1026	341.00	186
81.10	2665	157.00	913	234.10	806	343.00	154
82.10	881	157.80	307	235.10	413	345.90	816
82.90	715	159.20	240	235.80	162	347.00	406
85.00	303	159.80	459	237.00	417	352.10	610
86.20	286	160.90	719	237.90	152	353.00	746
86.90	318	161.80	321	238.80	302	353.90	244
88.00	215	163.10	332	241.00	381	354.50	346
91.00	1216	164.20	510	242.00	328	365.10	3358

92.10	686	165.00	546	242.90	526	365.80	496
93.00	4154	166.00	574	243.20	576	370.50	169
94.00	185	167.10	3830	244.00	9803	371.20	430
95.20	351	168.00	2374	245.20	1718	371.90	983
96.10	467	168.90	256	246.00	2069	372.70	286
+-----+-----+-----+-----+-----+-----+-----+-----+							
96.80	171	171.90	304	247.00	822	373.10	335
98.00	2209	173.00	341	248.10	163	383.30	385
99.00	2438	174.10	763	251.10	337	383.90	155
100.00	300	175.00	1496	252.40	163	402.10	290
101.00	754	176.00	389	253.10	334	402.70	487
+-----+-----+-----+-----+-----+-----+-----+-----+							
102.90	507	177.00	954	253.80	239	403.10	909
104.10	903	178.90	1968	254.10	268	420.90	465
105.00	744	180.00	2029	255.00	47920	421.90	1005
105.90	301	180.90	925	256.00	6320	423.00	2778
107.10	10987	182.30	220	256.80	813	424.10	230
+-----+-----+-----+-----+-----+-----+-----+-----+							
108.00	1572	185.00	1056	258.00	4623	424.80	259
109.10	194	186.10	8474	258.90	382	433.40	342
110.00	18384	187.10	3502	265.00	1260	441.10	9103
111.10	2683	187.80	275	265.90	256	442.00	60896
112.00	467	188.90	605	271.20	174	443.10	13464
+-----+-----+-----+-----+-----+-----+-----+-----+							
112.70	361	191.00	386	272.20	439	443.80	1239
115.90	568	192.00	1215	272.90	1213		
117.10	9483	193.00	1616	274.00	2823		
118.00	710	194.80	989	275.00	14347		
118.90	182	196.00	1937	276.00	2307		
+-----+-----+-----+-----+-----+-----+-----+-----+							

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: MB 660-136072/1-A
 Matrix: Solid Lab File ID: 1CD04017.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.17(g) Date Analyzed: 04/04/2013 16:07
 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.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	99	U	99	20
208-96-8	Acenaphthylene	40	U	40	4.9
120-12-7	Anthracene	8.3	U	8.3	4.2
56-55-3	Benzo[a]anthracene	7.9	U	7.9	3.9
50-32-8	Benzo[a]pyrene	10	U	10	5.1
205-99-2	Benzo[b]fluoranthene	12	U	12	6.0
191-24-2	Benzo[g,h,i]perylene	20	U	20	4.4
207-08-9	Benzo[k]fluoranthene	7.9	U	7.9	3.6
218-01-9	Chrysene	8.9	U	8.9	4.4
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	7.0
90-12-0	1-Methylnaphthalene	40	U	40	4.4
91-57-6	2-Methylnaphthalene	40	U	40	7.0
91-20-3	Naphthalene	40	U	40	4.4
85-01-8	Phenanthrene	7.9	U	7.9	3.9
129-00-0	Pyrene	20	U	20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	87		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04017.D
 Lab Smp Id: mb 660-136072/1-a
 Inj Date : 04-APR-2013 16:07
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : mb 660-136072/1-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 17 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	15.170	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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.692	3.692	(1.000)	448957	40.0000	
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	350129	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	699563	40.0000	
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	91545	8.74260	576.3083
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	829418	40.0000	
* 23 Perylene-d12	264		8.868	8.886	(1.000)	791436	40.0000	

Data File: 1CD04017.D

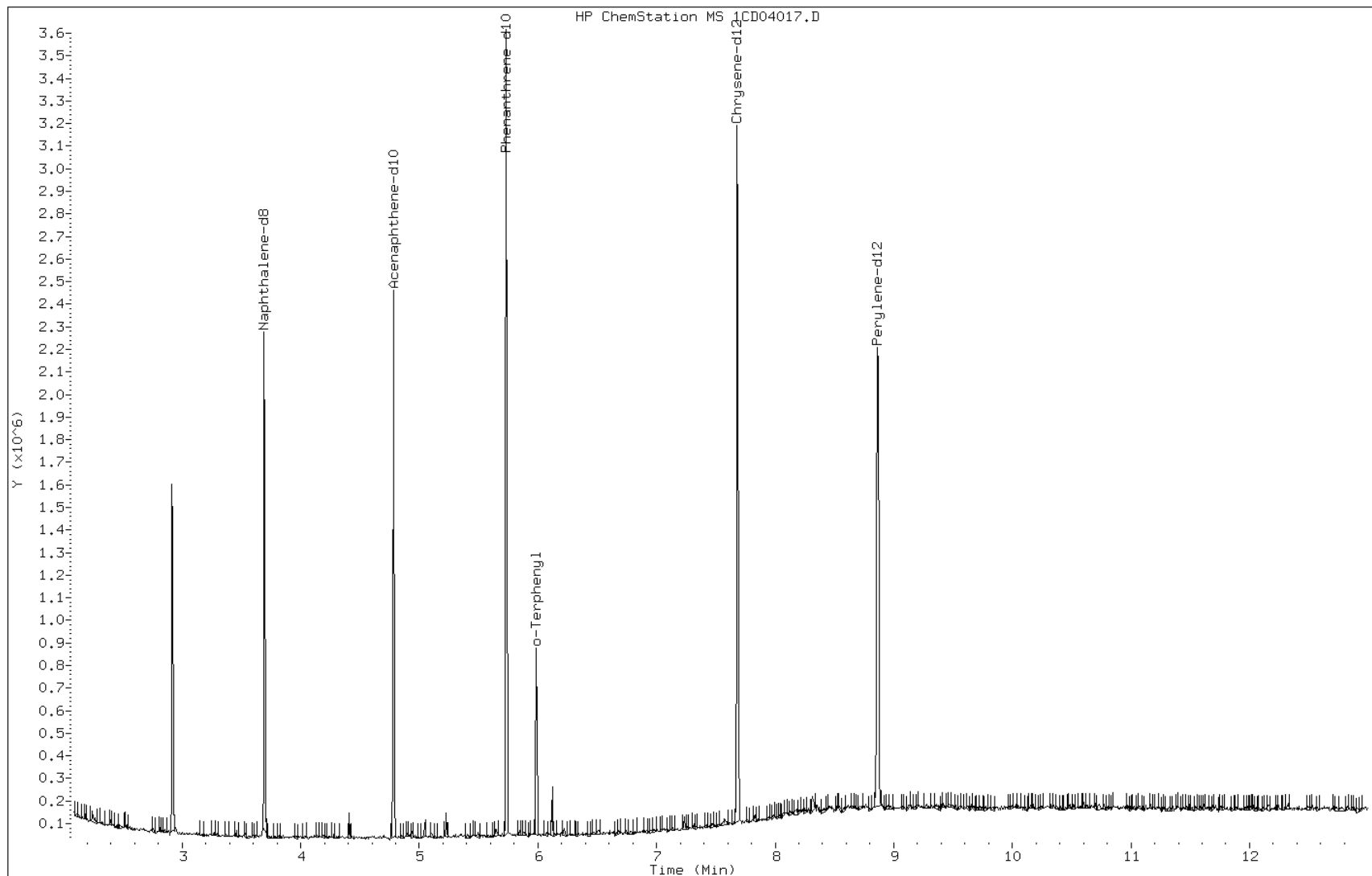
Date: 04-APR-2013 16:07

Client ID:

Instrument: BSMC5973.i

Sample Info: mb 660-136072/1-a

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: MB 660-136083/1-A
 Matrix: Solid Lab File ID: 1CD04005.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 13:44
 Sample wt/vol: 15.02(g) Date Analyzed: 04/04/2013 12:26
 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.: 136131 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-Methylnaphthalene	40	U	40	4.4
91-57-6	2-Methylnaphthalene	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	75		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04005.D
 Lab Smp Id: MB 660-136083/1-A
 Inj Date : 04-APR-2013 12:26
 Operator : SCC
 Smp Info : MB 660-136083/1-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 5 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: TAM1000
 Inst ID: BSMC5973.i
 Compound Sublist: pah.sub

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	15.020	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	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.692	3.692	(1.000)	475988	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.786	(1.000)	338824	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	703163	40.0000	
\$ 14 o-Terphenyl	230		5.992	5.992	(1.045)	77917	7.51417	500.2773
* 18 Chrysene-d12	240		7.686	7.692	(1.000)	868760	40.0000	
* 23 Perylene-d12	264		8.874	8.886	(1.000)	937273	40.0000	

Data File: 1CD04005.D

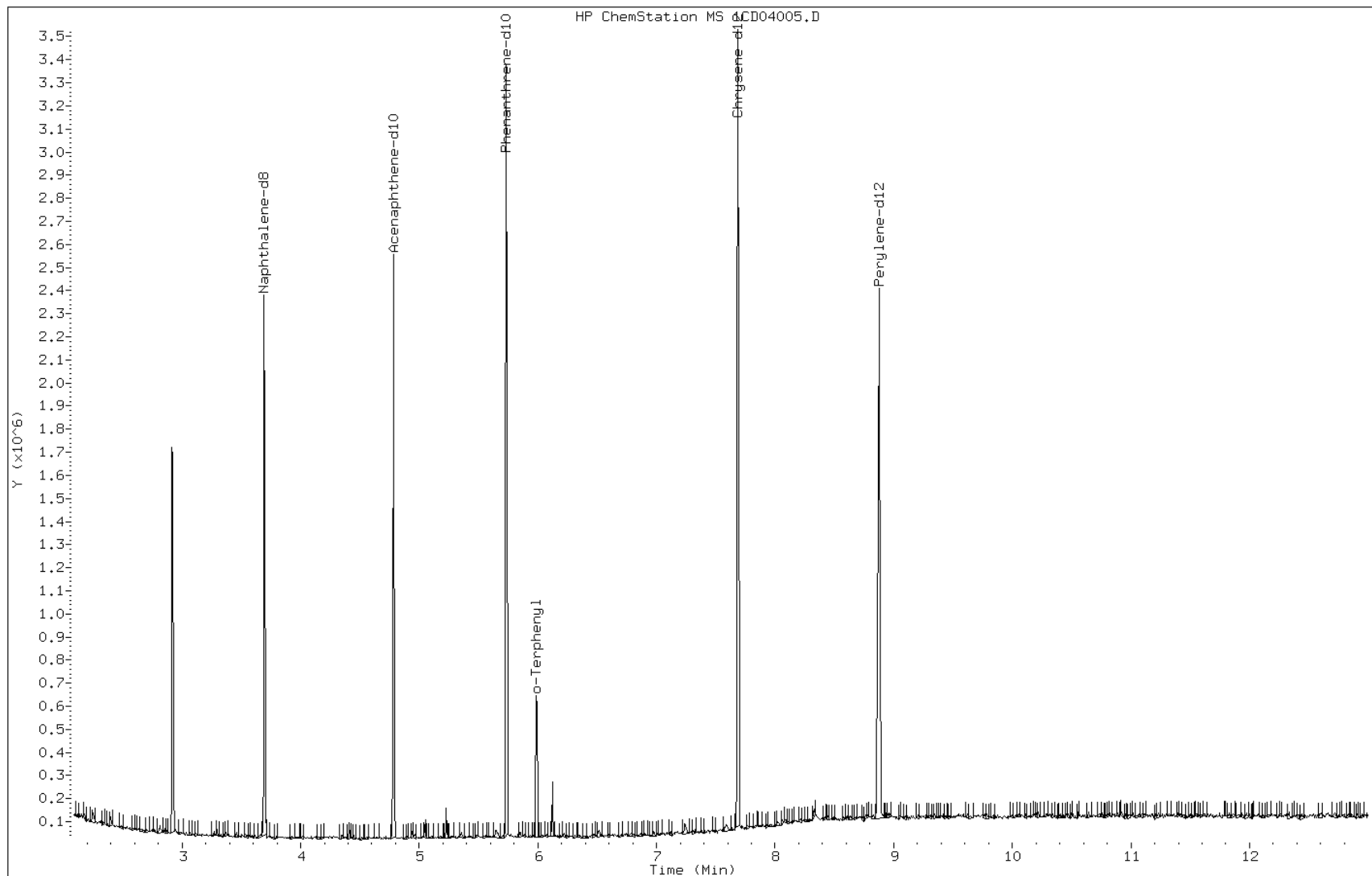
Date: 04-APR-2013 12:26

Client ID:

Instrument: BSMC5973.i

Sample Info: MB 660-136083/1-A

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: MB 660-136087/1-A
 Matrix: Solid Lab File ID: 1CD05008.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 14.98(g) Date Analyzed: 04/05/2013 13:31
 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.: 136171 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-Methylnaphthalene	40	U	40	4.4
91-57-6	2-Methylnaphthalene	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 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05008.D
 Lab Smp Id: mb 660-136087/1-a
 Inj Date : 05-APR-2013 13:31
 Operator : SCC
 Smp Info : mb 660-136087/1-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 7 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	14.980	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	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.692	3.692	(1.000)	440415	40.0000	
* 6 Acenaphthene-d10	164		4.774	4.780	(1.000)	321595	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	634040	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	64174	6.92633	462.3719
* 18 Chrysene-d12	240		7.656	7.662	(1.000)	799526	40.0000	
* 23 Perylene-d12	264		8.821	8.827	(1.000)	849543	40.0000	

Data File: 1CD05008.D

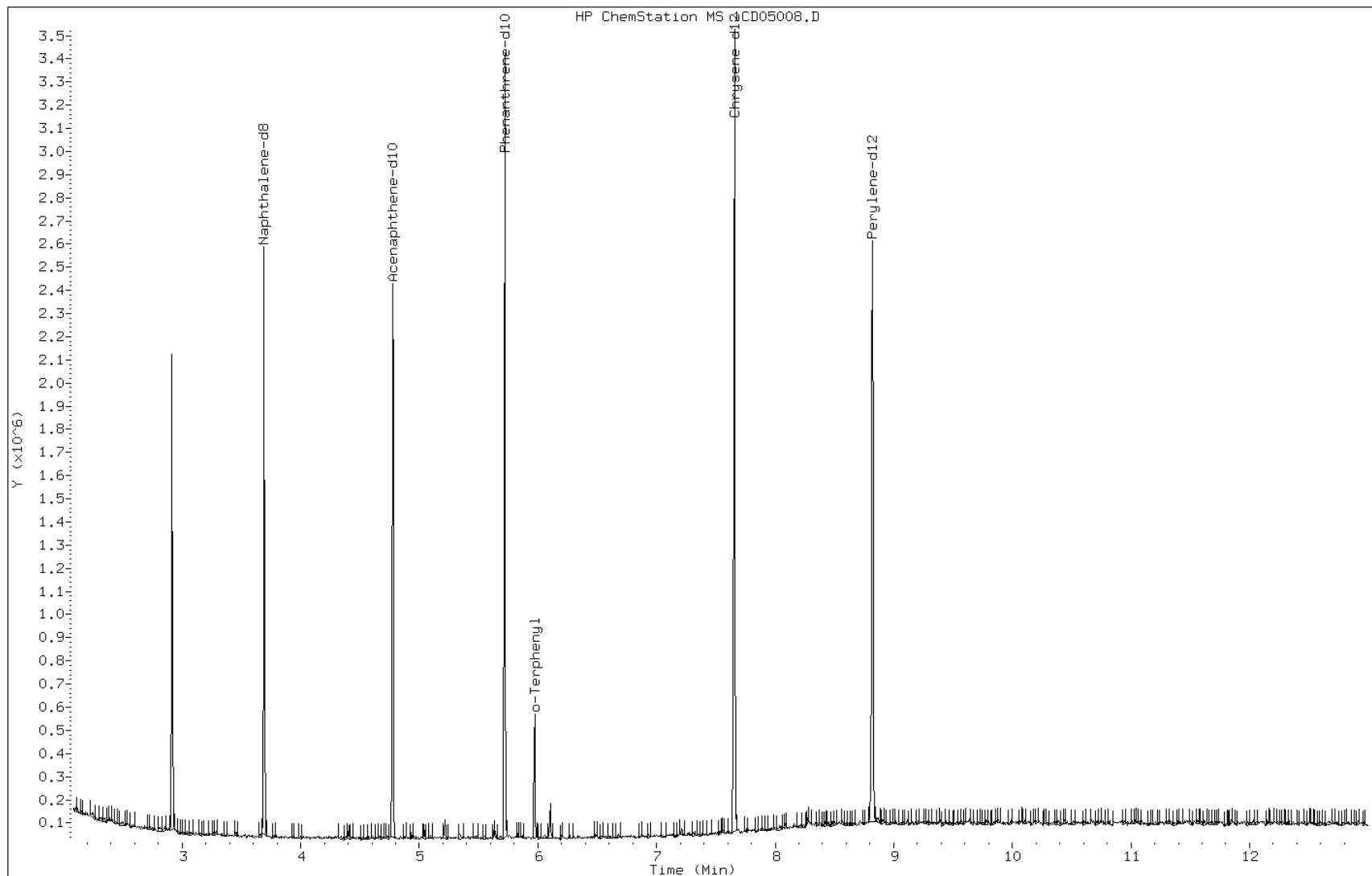
Date: 05-APR-2013 13:31

Client ID:

Instrument: BSMC5973.i

Sample Info: mb 660-136087/1-a

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: LCS 660-136072/2-A
 Matrix: Solid Lab File ID: 1CD04018.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.21(g) Date Analyzed: 04/04/2013 16:25
 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.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	472		99	20
208-96-8	Acenaphthylene	556		39	4.9
120-12-7	Anthracene	514		8.3	4.1
56-55-3	Benzo[a]anthracene	596		7.9	3.8
50-32-8	Benzo[a]pyrene	519		10	5.1
205-99-2	Benzo[b]fluoranthene	559		12	6.0
191-24-2	Benzo[g,h,i]perylene	504		20	4.3
207-08-9	Benzo[k]fluoranthene	551		7.9	3.6
218-01-9	Chrysene	564		8.9	4.4
53-70-3	Dibenz(a,h)anthracene	538		20	4.0
206-44-0	Fluoranthene	599		20	3.9
86-73-7	Fluorene	514		20	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	486		20	7.0
90-12-0	1-Methylnaphthalene	656		39	4.3
91-57-6	2-Methylnaphthalene	536		39	7.0
91-20-3	Naphthalene	565		39	4.3
85-01-8	Phenanthrene	552		7.9	3.8
129-00-0	Pyrene	602		20	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	79		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04018.D
 Lab Smp Id: lcs 660-136072/2-a
 Inj Date : 04-APR-2013 16:25
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : lcs 660-136072/2-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 18 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	15.210	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		3.692	3.692	(1.000)	437243	40.0000		
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	353803	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	720796	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	84660	7.92122	520.7905	
* 18 Chrysene-d12	240		7.680	7.692	(1.000)	841673	40.0000		
* 23 Perylene-d12	264		8.868	8.886	(1.000)	849313	40.0000		
2 Naphthalene	128		3.710	3.710	(1.005)	96585	8.60025	565.4336	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	62274	8.14595	535.5656	
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	68681	9.98443	656.4386	
5 Acenaphthylene	152		4.698	4.698	(0.982)	123740	8.45043	555.5838	
7 Acenaphthene	154		4.804	4.804	(1.004)	65116	7.17972	472.0393	
9 Fluorene	166		5.121	5.127	(1.070)	94496	7.81575	513.8562	
11 Phenanthrene	178		5.751	5.751	(1.003)	176376	8.40169	552.3791	
12 Anthracene	178		5.786	5.786	(1.009)	166414	7.81996	514.1328	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	157875	8.65917	569.3079
15 Fluoranthene	202	6.586	6.592	(1.149)	211306	9.11428	599.2296
16 Pyrene	202	6.757	6.763	(0.880)	213384	9.15222	601.7240
17 Benzo(a)anthracene	228	7.674	7.686	(0.999)	217874	9.06950	596.2854
19 Chrysene	228	7.704	7.710	(1.003)	205577	8.57142	563.5385
20 Benzo(b)fluoranthene	252	8.521	8.533	(0.961)	204139	8.50197	558.9721
21 Benzo(k)fluoranthene	252	8.539	8.557	(0.963)	194610	8.38014	550.9624
22 Benzo(a)pyrene	252	8.809	8.827	(0.993)	178435	7.89339	518.9608
24 Indeno(1,2,3-cd)pyrene	276	10.021	10.056	(1.130)	158779	7.39503	486.1952(M)
25 Dibenzo(a,h)anthracene	278	10.039	10.074	(1.132)	162217	8.17866	537.7159
26 Benzo(g,h,i)perylene	276	10.368	10.415	(1.169)	167840	7.65911	503.5578(H)

QC Flag Legend

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

Data File: 1CD04018.D

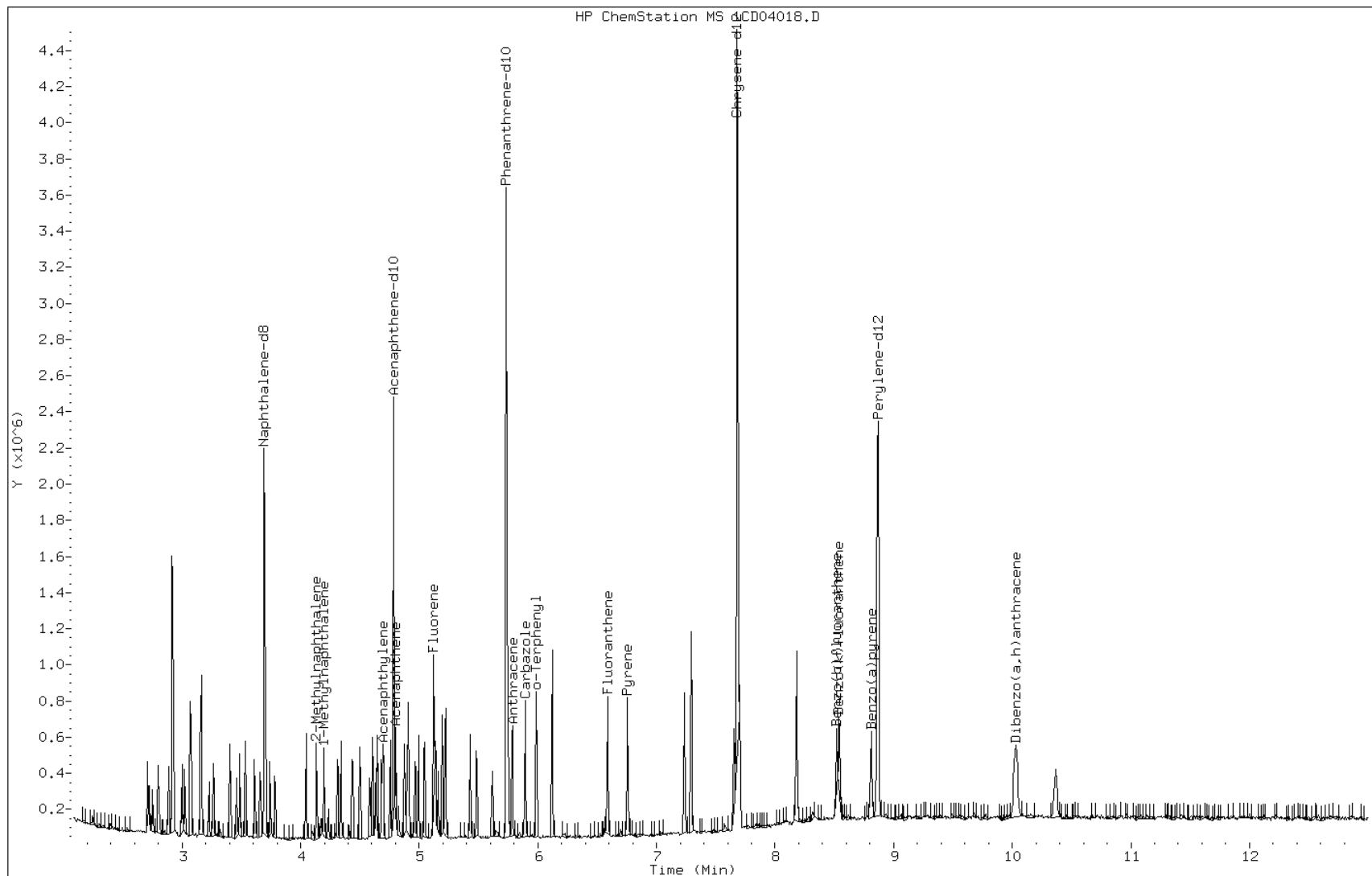
Date: 04-APR-2013 16:25

Client ID:

Instrument: BSMC5973.i

Sample Info: lcs 660-136072/2-a

Operator: SCC

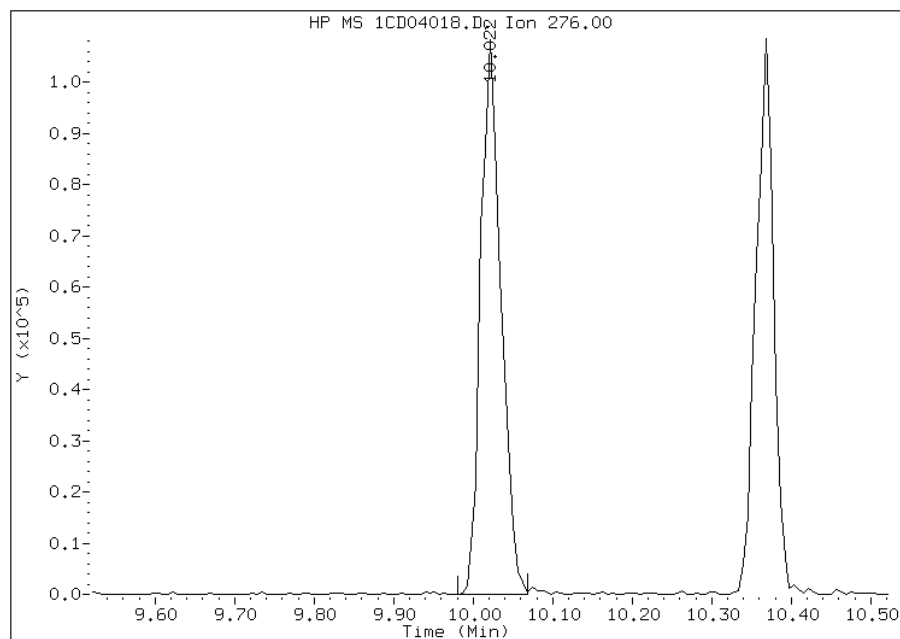


Manual Integration Report

Data File: 1CD04018.D
Inj. Date and Time: 04-APR-2013 16:25
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

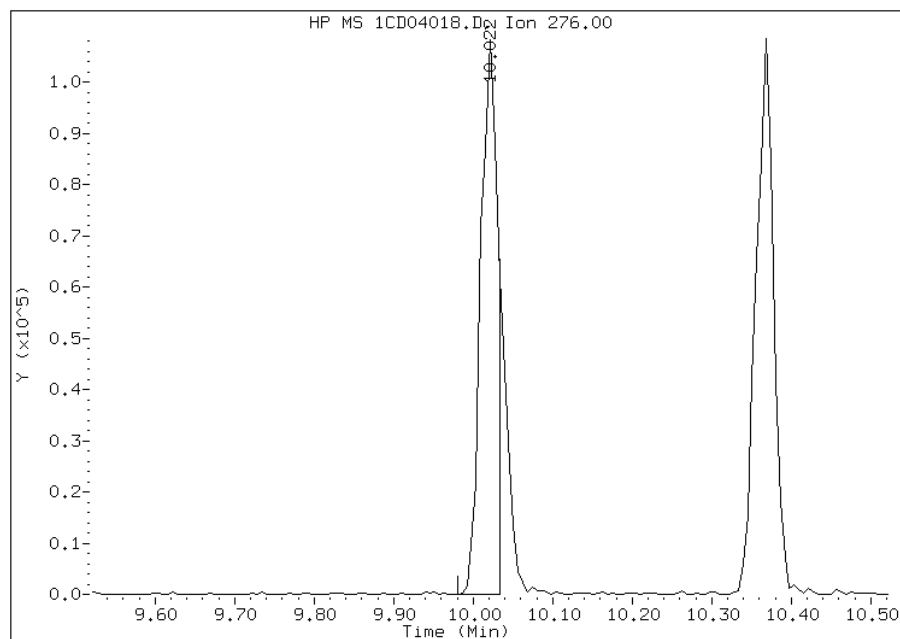
Processing Integration Results

RT: 10.02
Response: 190467
Amount: 9
Conc: 583



Manual Integration Results

RT: 10.02
Response: 158779
Amount: 7
Conc: 486



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 13:49
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: LCS 660-136083/2-A
 Matrix: Solid Lab File ID: 1CD04006.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 13:44
 Sample wt/vol: 15.34(g) Date Analyzed: 04/04/2013 12:45
 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.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	464		98	20
208-96-8	Acenaphthylene	516		39	4.9
120-12-7	Anthracene	565		8.2	4.1
56-55-3	Benzo[a]anthracene	560		7.8	3.8
50-32-8	Benzo[a]pyrene	496		10	5.1
205-99-2	Benzo[b]fluoranthene	538		12	6.0
191-24-2	Benzo[g,h,i]perylene	522		20	4.3
207-08-9	Benzo[k]fluoranthene	549		7.8	3.5
218-01-9	Chrysene	535		8.8	4.4
53-70-3	Dibenz(a,h)anthracene	572		20	4.0
206-44-0	Fluoranthene	587		20	3.9
86-73-7	Fluorene	518		20	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	502		20	6.9
90-12-0	1-Methylnaphthalene	601		39	4.3
91-57-6	2-Methylnaphthalene	524		39	6.9
91-20-3	Naphthalene	491		39	4.3
85-01-8	Phenanthrene	550		7.8	3.8
129-00-0	Pyrene	514		20	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	95		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04006.D
 Lab Smp Id: LCS 660-136083/2-A
 Inj Date : 04-APR-2013 12:45
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : LCS 660-136083/2-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 6 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	15.340	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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.692	3.692	(1.000)	389328	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.786	(1.000)	301628	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	575912	40.0000	
\$ 14 o-Terphenyl	230		5.992	5.992	(1.045)	82258	9.47598	617.7302
* 18 Chrysene-d12	240		7.686	7.692	(1.000)	832889	40.0000	
* 23 Perylene-d12	264		8.874	8.886	(1.000)	878710	40.0000	
2 Naphthalene	128		3.710	3.710	(1.005)	75388	7.53895	491.4566
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	54742	8.04198	524.2491
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	56494	9.22351	601.2719
5 Acenaphthylene	152		4.692	4.698	(0.982)	98783	7.91299	515.8404
7 Acenaphthene	154		4.804	4.804	(1.005)	55061	7.12121	464.2247
9 Fluorene	166		5.127	5.127	(1.073)	81971	7.95257	518.4205
11 Phenanthrene	178		5.751	5.751	(1.003)	141497	8.43588	549.9270
12 Anthracene	178		5.786	5.786	(1.009)	147470	8.67311	565.3915

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	145363	9.97868	650.5008
15 Fluoranthene	202	6.592	6.592	(1.150)	166723	9.00041	586.7283
16 Pyrene	202	6.757	6.763	(0.879)	181793	7.87949	513.6565
17 Benzo(a)anthracene	228	7.680	7.686	(0.999)	204095	8.59276	560.1537
19 Chrysene	228	7.709	7.710	(1.003)	194734	8.20496	534.8734
20 Benzo(b)fluoranthene	252	8.527	8.533	(0.961)	204862	8.24664	537.5905
21 Benzo(k)fluoranthene	252	8.551	8.557	(0.964)	202350	8.42193	549.0173
22 Benzo(a)pyrene	252	8.821	8.827	(0.994)	177869	7.60512	495.7707
24 Indeno(1,2,3-cd)pyrene	276	10.045	10.056	(1.132)	171056	7.70030	501.9749(M)
25 Dibenzo(a,h)anthracene	278	10.056	10.074	(1.133)	179978	8.77056	571.7445
26 Benzo(g,h,i)perylene	276	10.392	10.415	(1.171)	181430	8.00229	521.6618

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD04006.D

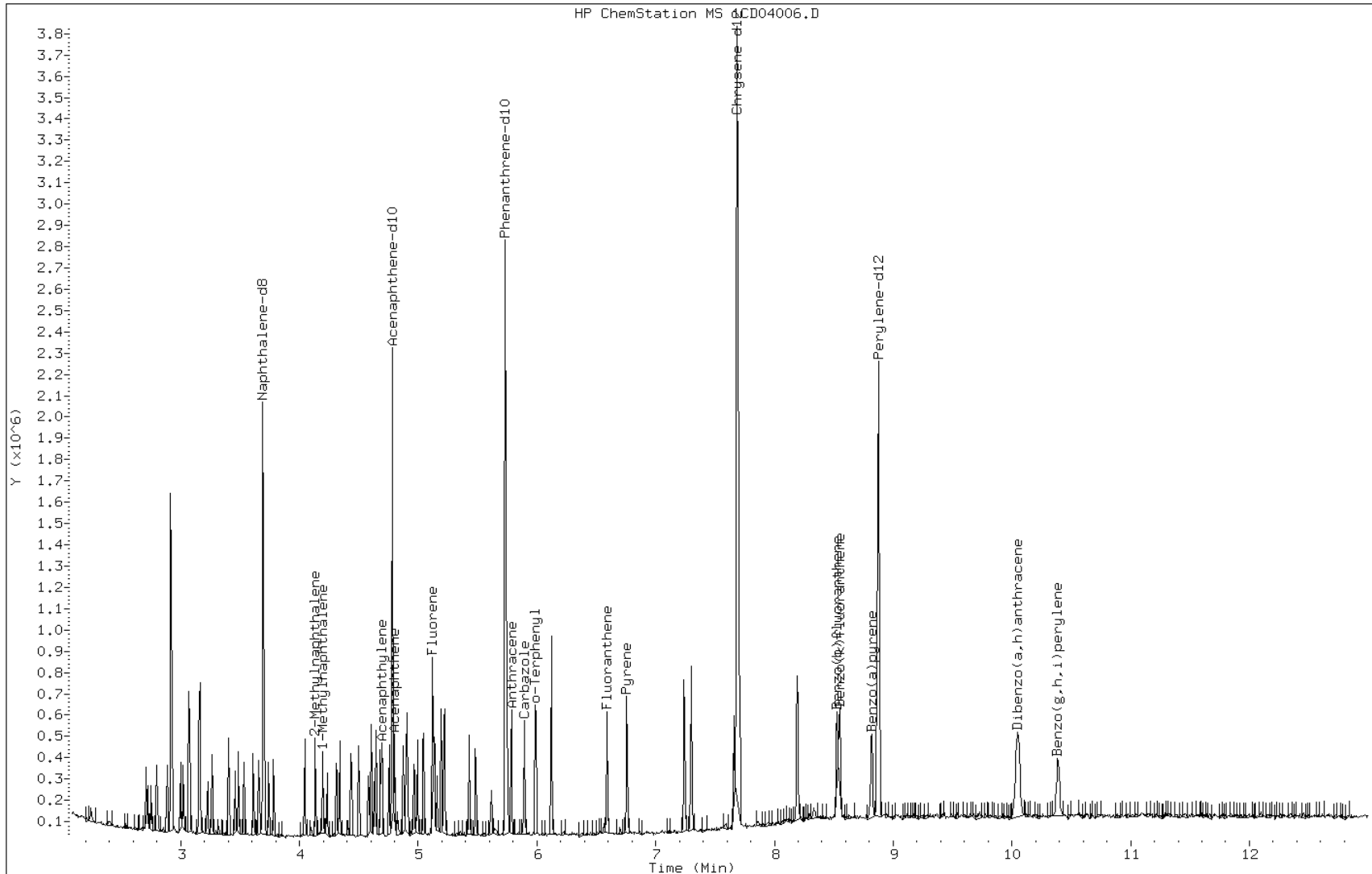
Date: 04-APR-2013 12:45

Client ID:

Instrument: BSMC5973.i

Sample Info: LCS 660-136083/2-A

Operator: SCC

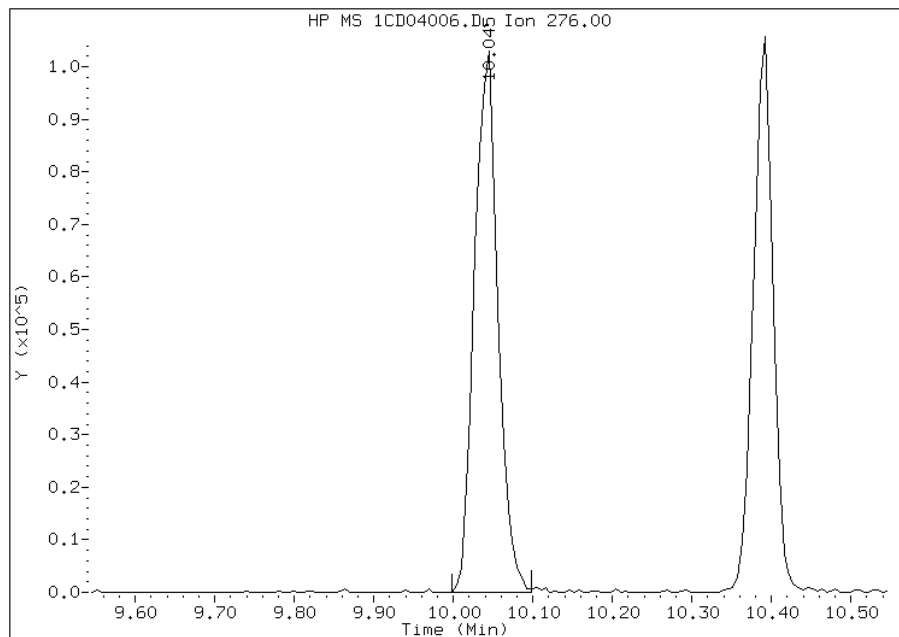


Manual Integration Report

Data File: 1CD04006.D
Inj. Date and Time: 04-APR-2013 12:45
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/04/2013

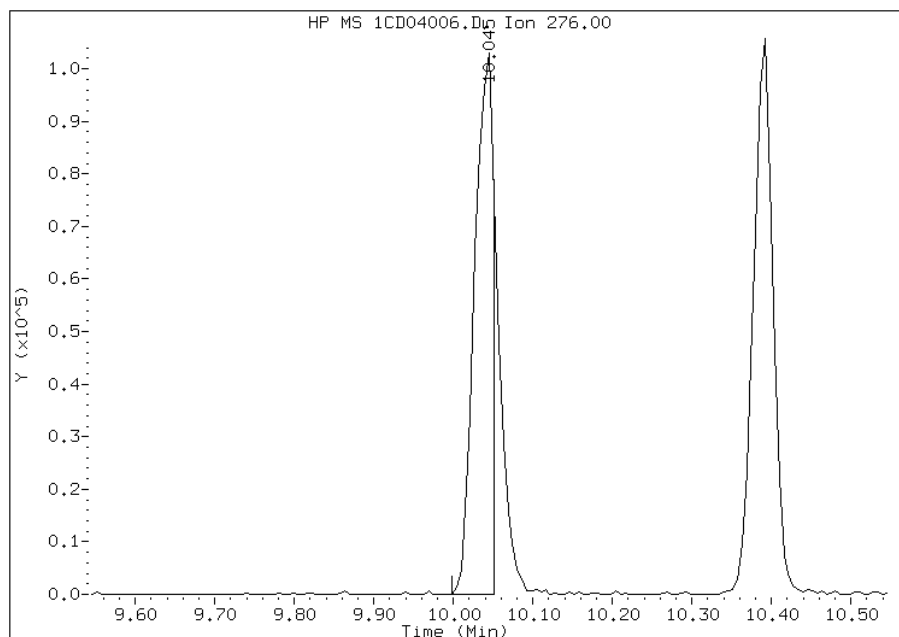
Processing Integration Results

RT: 10.05
Response: 210367
Amount: 9
Conc: 617



Manual Integration Results

RT: 10.05
Response: 171056
Amount: 8
Conc: 502



Manually Integrated By: cantins
Modification Date: 04-Apr-2013 14:03
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: LCS 660-136087/2-A
 Matrix: Solid Lab File ID: 1CD05009.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 15.35(g) Date Analyzed: 04/05/2013 13:49
 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.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	495		98	20
208-96-8	Acenaphthylene	455		39	4.9
120-12-7	Anthracene	452		8.2	4.1
56-55-3	Benzo[a]anthracene	503		7.8	3.8
50-32-8	Benzo[a]pyrene	454		10	5.1
205-99-2	Benzo[b]fluoranthene	483		12	6.0
191-24-2	Benzo[g,h,i]perylene	478		20	4.3
207-08-9	Benzo[k]fluoranthene	523		7.8	3.5
218-01-9	Chrysene	449		8.8	4.4
53-70-3	Dibenz(a,h)anthracene	529		20	4.0
206-44-0	Fluoranthene	534		20	3.9
86-73-7	Fluorene	517		20	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	456		20	6.9
90-12-0	1-Methylnaphthalene	530		39	4.3
91-57-6	2-Methylnaphthalene	447		39	6.9
91-20-3	Naphthalene	455		39	4.3
85-01-8	Phenanthrene	461		7.8	3.8
129-00-0	Pyrene	496		20	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	77		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\1CD05009.D
 Lab Smp Id: lcs 660-136087/2-a
 Inj Date : 05-APR-2013 13:49
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : lcs 660-136087/2-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 8 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	15.350	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		3.692	3.692	(1.000)	405055	40.0000		
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	305607	40.0000		
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	623523	40.0000		
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	70908	7.69259	501.1456	
* 18 Chrysene-d12	240		7.657	7.662	(1.000)	814038	40.0000		
* 23 Perylene-d12	264		8.821	8.827	(1.000)	828022	40.0000		
2 Naphthalene	128		3.704	3.704	(1.003)	72618	6.97998	454.7219	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	48643	6.86854	447.4618	
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	51826	8.13286	529.8280	
5 Acenaphthylene	152		4.692	4.692	(0.982)	88370	6.98669	455.1592	
7 Acenaphthene	154		4.798	4.798	(1.004)	59549	7.60138	495.2038	
9 Fluorene	166		5.115	5.116	(1.070)	82896	7.93760	517.1075	
11 Phenanthrene	178		5.739	5.739	(1.003)	128638	7.08363	461.4745	
12 Anthracene	178		5.768	5.774	(1.008)	127734	6.93875	452.0357	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.880	5.880	(1.028)	131271	8.32323	542.2298
15 Fluoranthene	202	6.568	6.574	(1.148)	164400	8.19733	534.0279
16 Pyrene	202	6.739	6.739	(0.880)	171745	7.61636	496.1799
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	178822	7.71711	502.7432
19 Chrysene	228	7.674	7.680	(1.002)	159710	6.88508	448.5395
20 Benzo(b)fluoranthene	252	8.480	8.486	(0.961)	173692	7.41992	483.3823
21 Benzo(k)fluoranthene	252	8.504	8.509	(0.964)	181841	8.03163	523.2332
22 Benzo(a)pyrene	252	8.768	8.774	(0.994)	153457	6.96300	453.6156
24 Indeno(1,2,3-cd)pyrene	276	9.950	9.962	(1.128)	146520	6.99954	455.9962(M)
25 Dibenzo(a,h)anthracene	278	9.968	9.980	(1.130)	157025	8.12046	529.0200
26 Benzo(g,h,i)perylene	276	10.292	10.303	(1.167)	156602	7.33004	477.5269

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD05009.D

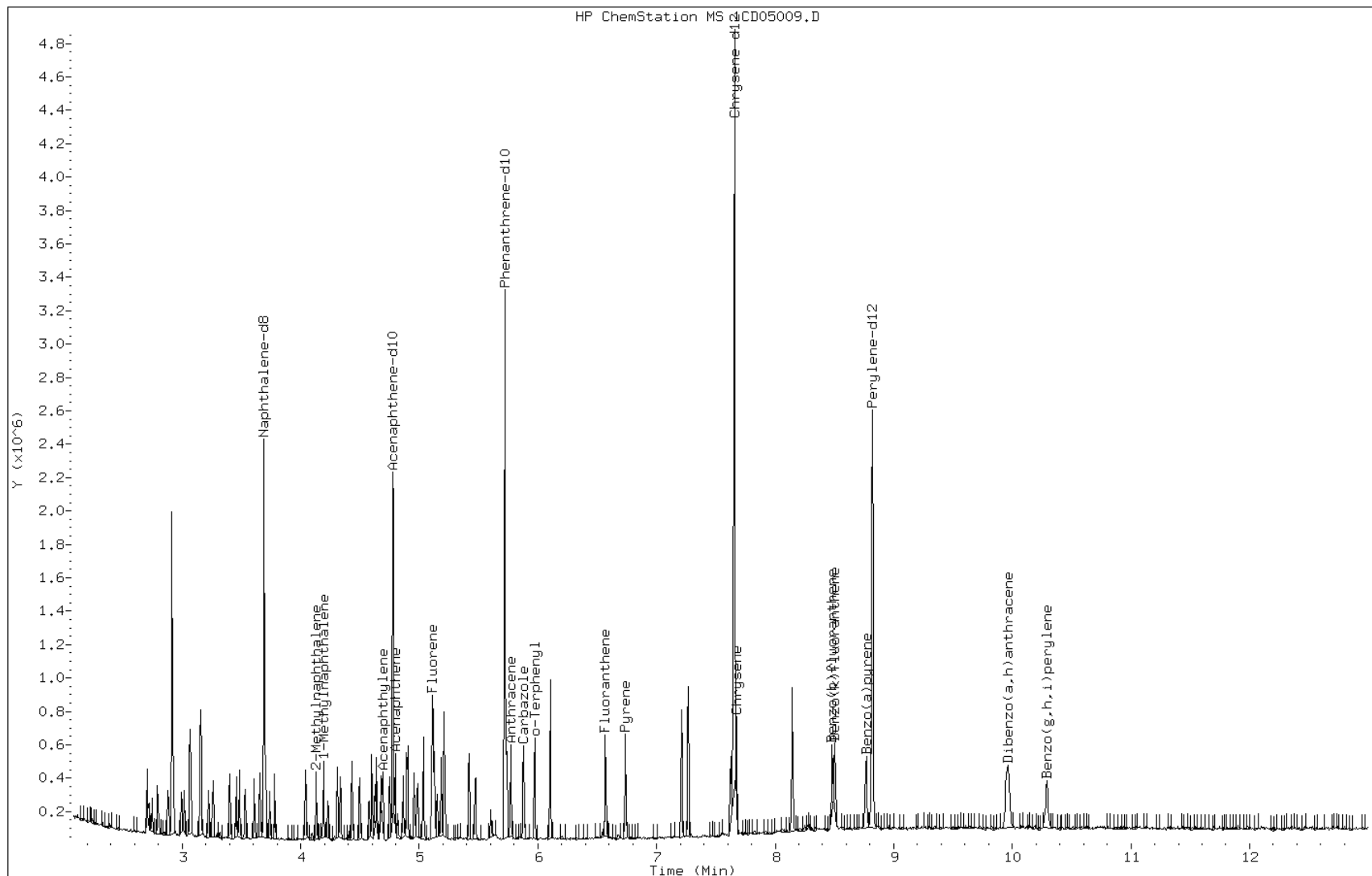
Date: 05-APR-2013 13:49

Client ID:

Instrument: BSMC5973.i

Sample Info: lcs 660-136087/2-a

Operator: SCC

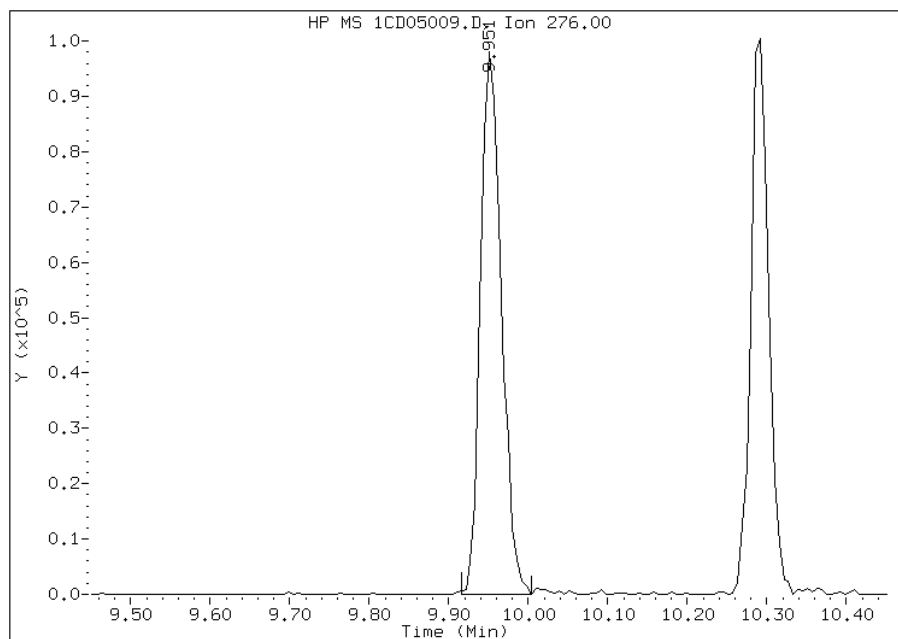


Manual Integration Report

Data File: 1CD05009.D
Inj. Date and Time: 05-APR-2013 13:49
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

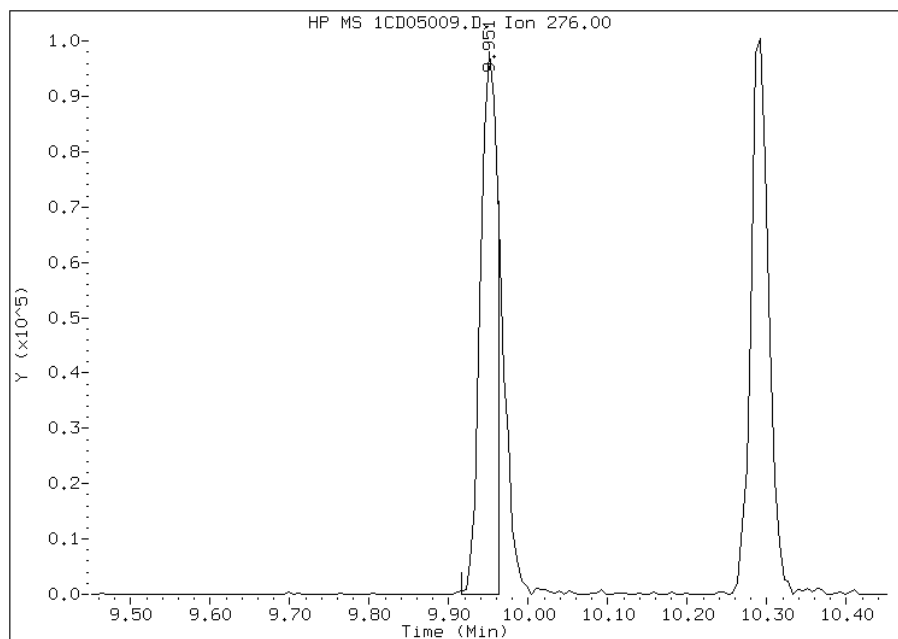
Processing Integration Results

RT: 9.95
Response: 178362
Amount: 9
Conc: 555



Manual Integration Results

RT: 9.95
Response: 146520
Amount: 7
Conc: 456



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:00
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: 680-88767-A-14-B MS
 Matrix: Solid Lab File ID: 1CD04026.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.02(g) Date Analyzed: 04/04/2013 18:52
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 20.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	609		130	25
208-96-8	Acenaphthylene	665		50	6.3
120-12-7	Anthracene	644		11	5.3
56-55-3	Benzo[a]anthracene	903		10	4.9
50-32-8	Benzo[a]pyrene	833		13	6.6
205-99-2	Benzo[b]fluoranthene	937		15	7.7
191-24-2	Benzo[g,h,i]perylene	760		25	5.5
207-08-9	Benzo[k]fluoranthene	973		10	4.5
218-01-9	Chrysene	959		11	5.7
53-70-3	Dibenz(a,h)anthracene	673		25	5.2
206-44-0	Fluoranthene	1080		25	5.0
86-73-7	Fluorene	622		25	5.2
193-39-5	Indeno[1,2,3-cd]pyrene	712		25	9.0
90-12-0	1-Methylnaphthalene	740		50	5.5
91-57-6	2-Methylnaphthalene	680		50	9.0
91-20-3	Naphthalene	663		50	5.5
85-01-8	Phenanthrene	823		10	4.9
129-00-0	Pyrene	1080		25	4.7

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

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04026.D
 Lab Smp Id: 680-88767-a-14-b ms
 Inj Date : 04-APR-2013 18:52
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-14-b ms
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 26 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	15.020	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/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		3.692	3.692	(1.000)	493002	40.0000	
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	395089	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	785200	40.0000	
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	80340	6.99393	465.6414
* 18 Chrysene-d12	240		7.686	7.692	(1.000)	876742	40.0000	
* 23 Perylene-d12	264		8.862	8.886	(1.000)	833239	40.0000	(H)
2 Naphthalene	128		3.710	3.710	(1.005)	99920	7.89092	525.3610
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	69696	8.08569	538.3283
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	68308	8.80709	586.3576
5 Acenaphthylene	152		4.698	4.698	(0.982)	129413	7.91431	526.9182
7 Acenaphthene	154		4.804	4.804	(1.004)	73351	7.24256	482.1946
9 Fluorene	166		5.121	5.127	(1.070)	99997	7.40647	493.1068
11 Phenanthrene	178		5.751	5.751	(1.003)	223959	9.79327	652.0150
12 Anthracene	178		5.786	5.786	(1.009)	177718	7.66617	510.3972

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	167151	8.41597	560.3175
15 Fluoranthene	202	6.586	6.592	(1.149)	323974	12.8278	854.0494
16 Pyrene	202	6.756	6.763	(0.879)	311411	12.8224	853.6903
17 Benzo(a)anthracene	228	7.674	7.686	(0.998)	269438	10.7420	715.1764
19 Chrysene	228	7.703	7.710	(1.002)	285172	11.4145	759.9532
20 Benzo(b)fluoranthene	252	8.521	8.533	(0.962)	262652	11.1499	742.3391(H)
21 Benzo(k)fluoranthene	252	8.539	8.557	(0.963)	263847	11.5807	771.0214(H)
22 Benzo(a)pyrene	252	8.809	8.827	(0.994)	219773	9.90960	659.7605
24 Indeno(1,2,3-cd)pyrene	276	10.021	10.056	(1.131)	178359	8.46721	563.7287(MH)
25 Dibenzo(a,h)anthracene	278	10.039	10.074	(1.133)	155857	8.00959	533.2616(H)
26 Benzo(g,h,i)perylene	276	10.368	10.415	(1.170)	194336	9.03929	601.8172(H)

QC Flag Legend

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

Data File: 1CD04026.D

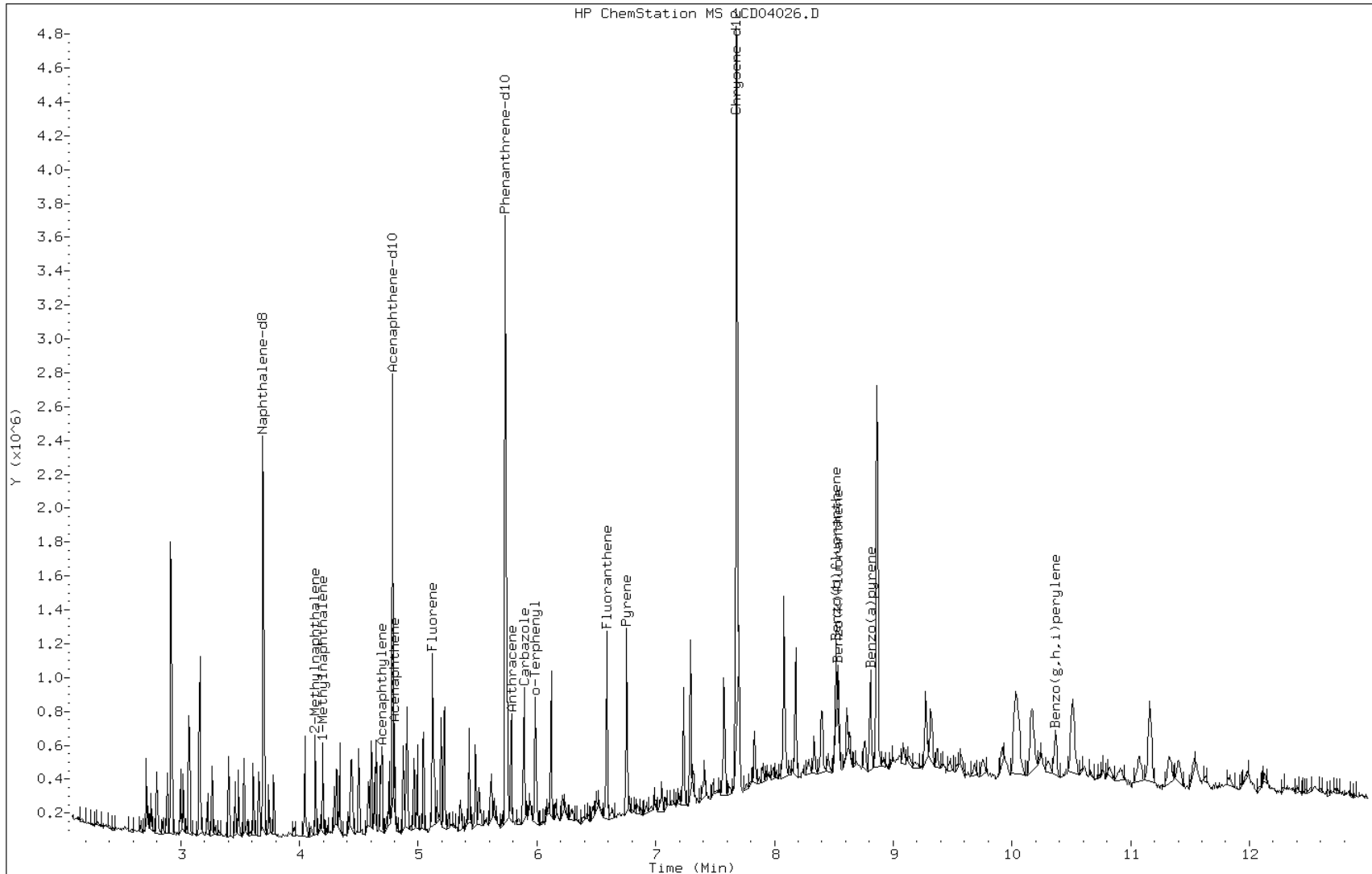
Date: 04-APR-2013 18:52

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-88767-a-14-b ms

Operator: SCC

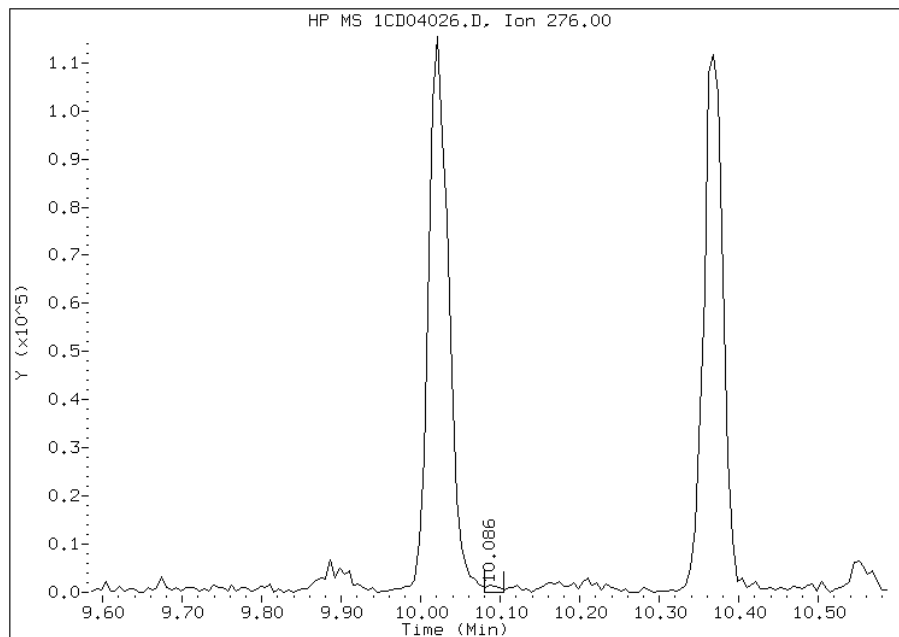


Manual Integration Report

Data File: 1CD04026.D
Inj. Date and Time: 04-APR-2013 18:52
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

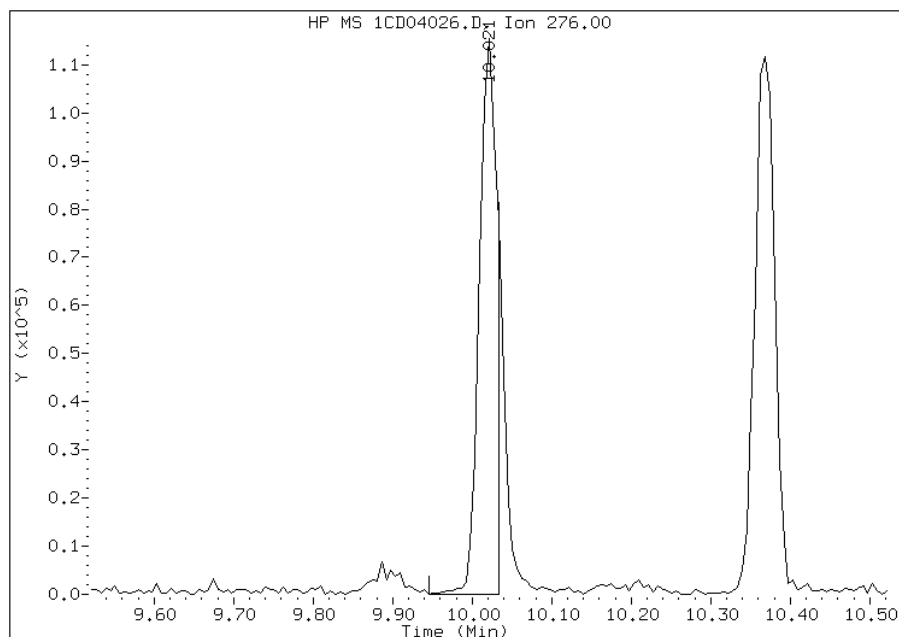
Processing Integration Results

RT: 10.09
Response: 1802
Amount: 0
Conc: 6



Manual Integration Results

RT: 10.02
Response: 178359
Amount: 8
Conc: 564



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 14:47
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: 680-88767-A-41-B MS
 Matrix: Solid Lab File ID: 1CD05021.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 14.96(g) Date Analyzed: 04/05/2013 17:33
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	545		120	24
208-96-8	Acenaphthylene	553		49	6.1
120-12-7	Anthracene	579		10	5.1
56-55-3	Benzo[a]anthracene	761		9.8	4.8
50-32-8	Benzo[a]pyrene	715		13	6.3
205-99-2	Benzo[b]fluoranthene	880		15	7.4
191-24-2	Benzo[g,h,i]perylene	631		24	5.4
207-08-9	Benzo[k]fluoranthene	677		9.8	4.4
218-01-9	Chrysene	746		11	5.5
53-70-3	Dibenz(a,h)anthracene	579		24	5.0
206-44-0	Fluoranthene	944		24	4.9
86-73-7	Fluorene	553		24	5.0
193-39-5	Indeno[1,2,3-cd]pyrene	618		24	8.7
90-12-0	1-Methylnaphthalene	626		49	5.4
91-57-6	2-Methylnaphthalene	635		49	8.7
91-20-3	Naphthalene	533		49	5.4
85-01-8	Phenanthrene	834		9.8	4.8
129-00-0	Pyrene	941		24	4.5

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\1C040513.b\1CD05021.D
 Lab Smp Id: 680-88767-a-41-b ms
 Inj Date : 05-APR-2013 17:33
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-41-b ms
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 20 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	14.960	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	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.692	3.692	(1.000)	504308	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	381521	40.0000	
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	764467	40.0000	
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	71558	6.46014	431.8276
* 18 Chrysene-d12	240		7.657	7.662	(1.000)	870786	40.0000	
* 23 Perylene-d12	264		8.827	8.827	(1.000)	839205	40.0000	
2 Naphthalene	128		3.704	3.704	(1.003)	84933	6.55699	438.3015
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	68893	7.81335	522.2827
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	61125	7.70429	514.9926
5 Acenaphthylene	152		4.692	4.692	(0.982)	107485	6.80706	455.0174
7 Acenaphthene	154		4.798	4.798	(1.004)	65590	6.70657	448.3000
9 Fluorene	166		5.116	5.116	(1.070)	88630	6.79800	454.4118
11 Phenanthrene	178		5.739	5.739	(1.003)	228496	10.2626	686.0055
12 Anthracene	178		5.774	5.774	(1.009)	160743	7.12197	476.0678

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
13 Carbazole	167	5.880	5.880	(1.028)	142003	7.34369	490.8882
15 Fluoranthene	202	6.568	6.574	(1.148)	285539	11.6126	776.2438
16 Pyrene	202	6.739	6.739	(0.880)	279210	11.5752	773.7418
17 Benzo(a)anthracene	228	7.651	7.651	(0.999)	232868	9.36509	626.0083
19 Chrysene	228	7.680	7.680	(1.003)	227668	9.17513	613.3109
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.961)	256806	10.8243	723.5469
21 Benzo(k)fluoranthene	252	8.504	8.509	(0.963)	190953	8.32170	556.2635
22 Benzo(a)pyrene	252	8.768	8.774	(0.993)	196493	8.79692	588.0293
24 Indeno(1,2,3-cd)pyrene	276	9.956	9.962	(1.128)	161265	7.60128	508.1069(M)
25 Dibenzo(a,h)anthracene	278	9.974	9.980	(1.130)	139627	7.12451	476.2372
26 Benzo(g,h,i)perylene	276	10.303	10.303	(1.167)	168093	7.76305	518.9205

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD05021.D

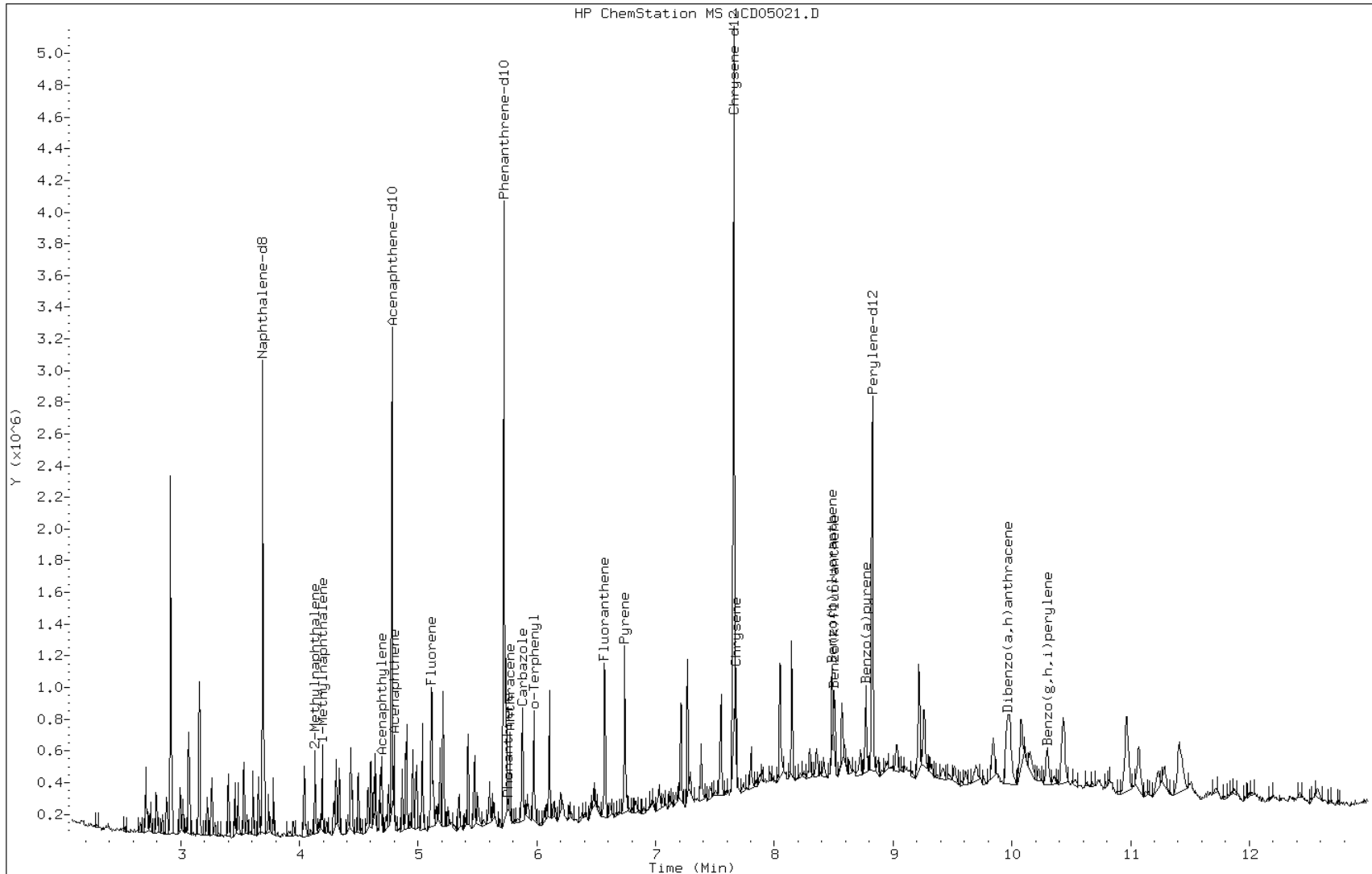
Date: 05-APR-2013 17:33

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-88767-a-41-b ms

Operator: SCC

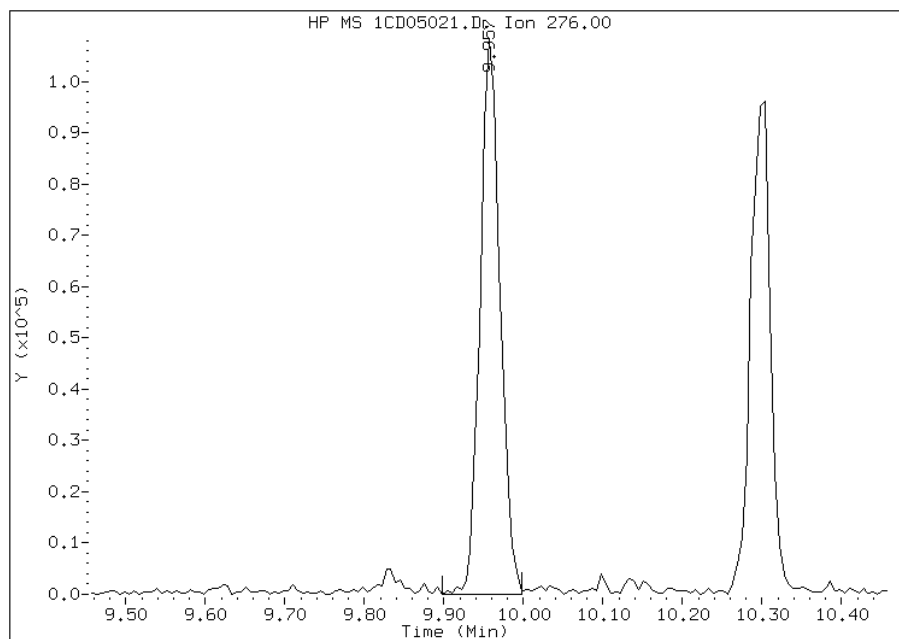


Manual Integration Report

Data File: 1CD05021.D
Inj. Date and Time: 05-APR-2013 17:33
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

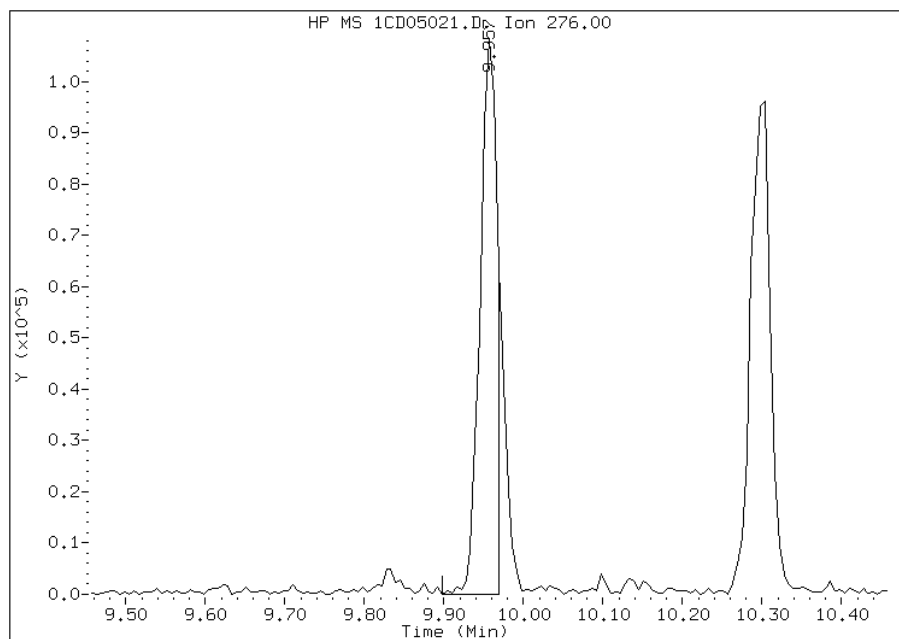
Processing Integration Results

RT: 9.96
Response: 188207
Amount: 9
Conc: 593



Manual Integration Results

RT: 9.96
Response: 161265
Amount: 8
Conc: 508



Manually Integrated By: cantins
Modification Date: 09-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.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509L-CS MS Lab Sample ID: 680-88767-21 MS
 Matrix: Solid Lab File ID: 1CD04008.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 10:22
 Extract. Method: 3546 Date Extracted: 04/03/2013 13:44
 Sample wt/vol: 14.97(g) Date Analyzed: 04/04/2013 13:21
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 27.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	704		140	27
208-96-8	Acenaphthylene	705		55	6.9
120-12-7	Anthracene	781		12	5.8
56-55-3	Benzo[a]anthracene	971		11	5.4
50-32-8	Benzo[a]pyrene	837		14	7.1
205-99-2	Benzo[b]fluoranthene	1070		17	8.4
191-24-2	Benzo[g,h,i]perylene	793		27	6.0
207-08-9	Benzo[k]fluoranthene	832		11	4.9
218-01-9	Chrysene	905		12	6.2
53-70-3	Dibenz(a,h)anthracene	761		27	5.6
206-44-0	Fluoranthene	1220		27	5.5
86-73-7	Fluorene	709		27	5.6
193-39-5	Indeno[1,2,3-cd]pyrene	769		27	9.8
90-12-0	1-Methylnaphthalene	778		55	6.0
91-57-6	2-Methylnaphthalene	716		55	9.8
91-20-3	Naphthalene	672		55	6.0
85-01-8	Phenanthrene	1020		11	5.4
129-00-0	Pyrene	1120		27	5.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	76		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04008.D
 Lab Smp Id: 680-88767-A-21-B MS
 Inj Date : 04-APR-2013 13:21
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-A-21-B MS
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 8 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	14.970	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	FINAL
	MASS						(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		3.692	3.692	(1.000)	494933	40.0000	
* 6 Acenaphthene-d10	164		4.780	4.786	(1.000)	378357	40.0000	
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	709910	40.0000	
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	79519	7.58790	506.8736
* 18 Chrysene-d12	240		7.686	7.692	(1.000)	891562	40.0000	
* 23 Perylene-d12	264		8.874	8.886	(1.000)	880345	40.0000	
2 Naphthalene	128		3.710	3.710	(1.005)	93228	7.33371	489.8940
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	67573	7.80881	521.6305
4 1-Methylnaphthalene	142		4.198	4.198	(1.137)	66073	8.48569	566.8464
5 Acenaphthylene	152		4.692	4.698	(0.982)	120404	7.68899	513.6266
7 Acenaphthene	154		4.804	4.804	(1.005)	74529	7.68431	513.3138
9 Fluorene	166		5.121	5.127	(1.071)	100077	7.74019	517.0465
11 Phenanthrene	178		5.751	5.751	(1.003)	229217	11.0862	740.5614
12 Anthracene	178		5.786	5.786	(1.009)	178687	8.52544	569.5016

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	156453	8.71277	582.0150
15 Fluoranthene	202	6.592	6.592	(1.150)	304378	13.3301	890.4534(R)
16 Pyrene	202	6.757	6.763	(0.879)	300664	12.1741	813.2353
17 Benzo(a)anthracene	228	7.680	7.686	(0.999)	270248	10.5970	707.8825
19 Chrysene	228	7.704	7.710	(1.002)	251024	9.88065	660.0299
20 Benzo(b)fluoranthene	252	8.527	8.533	(0.961)	289750	11.6421	777.6961
21 Benzo(k)fluoranthene	252	8.545	8.557	(0.963)	218502	9.07729	606.3655
22 Benzo(a)pyrene	252	8.815	8.827	(0.993)	213921	9.12961	609.8601
24 Indeno(1,2,3-cd)pyrene	276	10.039	10.056	(1.131)	186657	8.38699	560.2530(M)
25 Dibenzo(a,h)anthracene	278	10.056	10.074	(1.133)	170615	8.29885	554.3653
26 Benzo(g,h,i)perylene	276	10.392	10.415	(1.171)	196503	8.65102	577.8902

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

Data File: 1CD04008.D

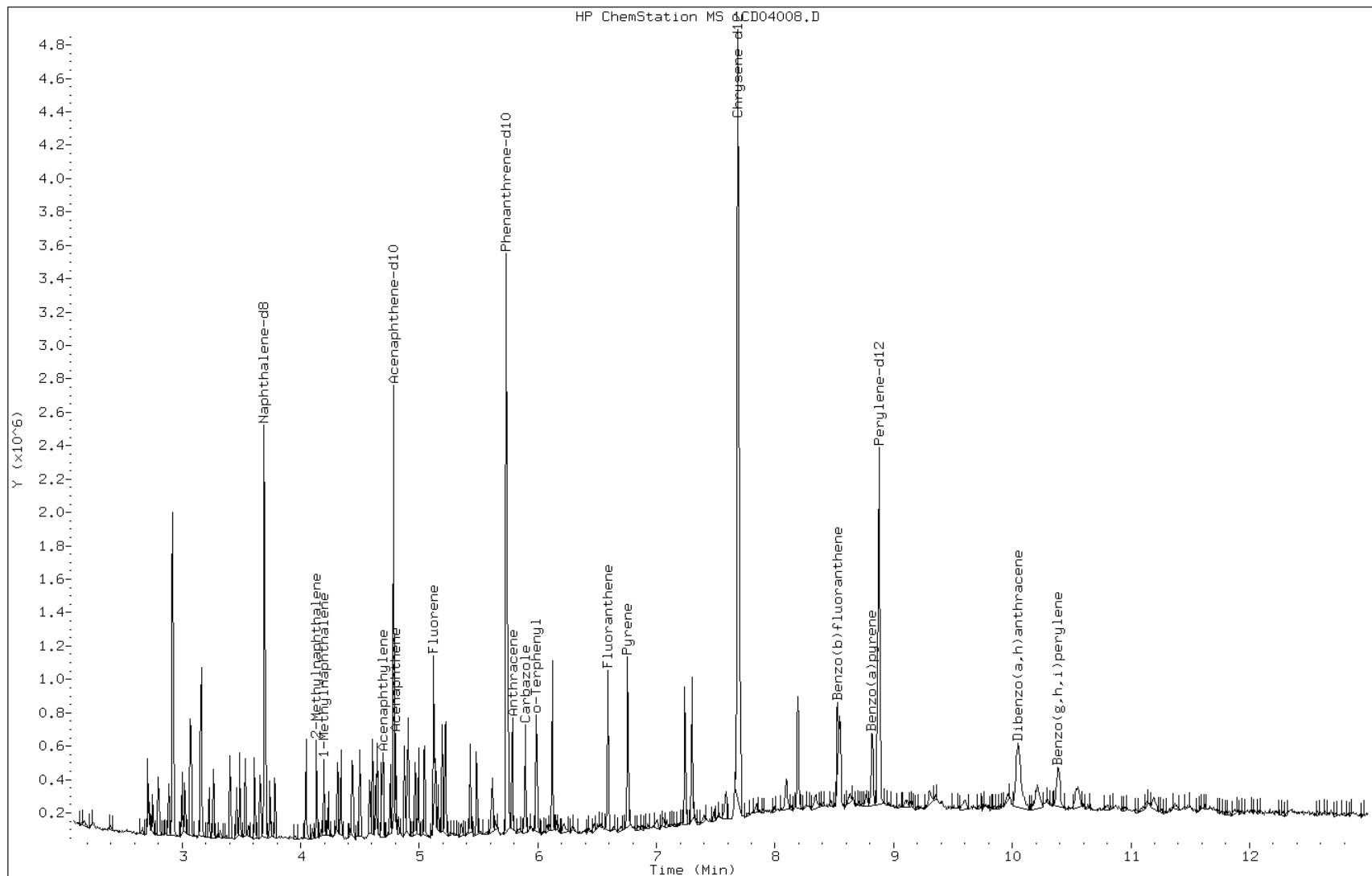
Date: 04-APR-2013 13:21

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-B MS

Operator: SCC

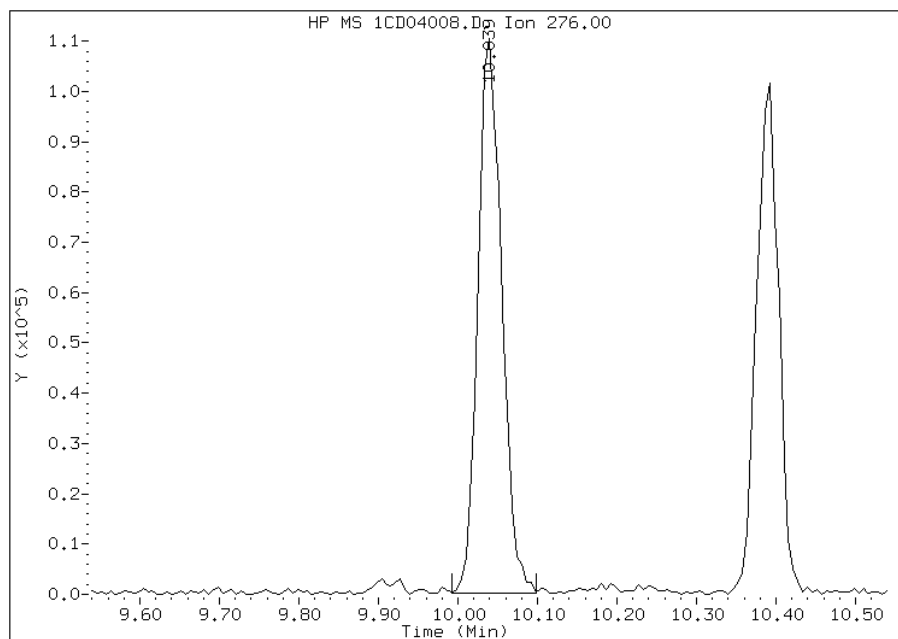


Manual Integration Report

Data File: 1CD04008.D
Inj. Date and Time: 04-APR-2013 13:21
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/04/2013

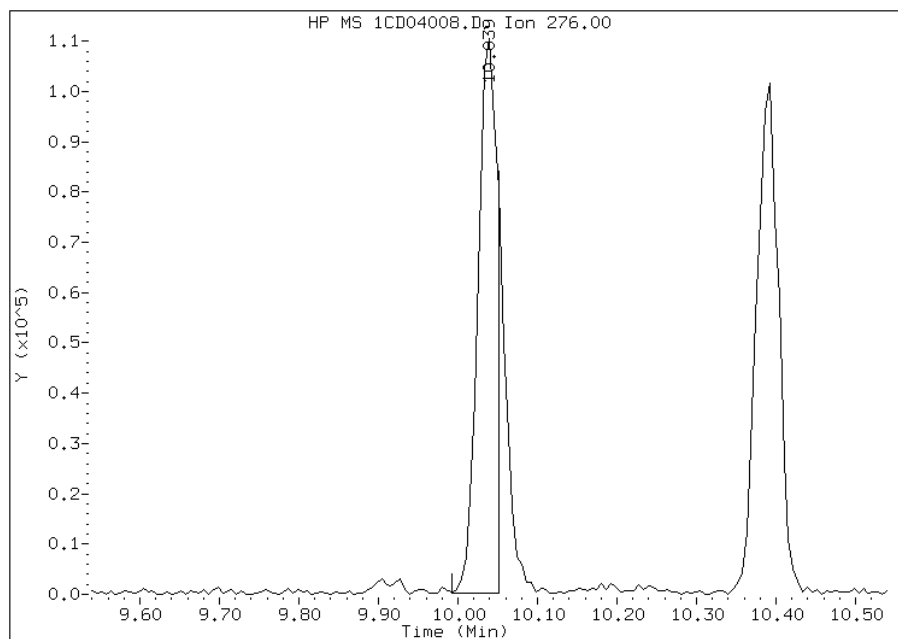
Processing Integration Results

RT: 10.04
Response: 227391
Amount: 10
Conc: 683



Manual Integration Results

RT: 10.04
Response: 186657
Amount: 8
Conc: 560



Manually Integrated By: cantins
Modification Date: 04-Apr-2013 14:05
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: 680-88767-A-14-C MSD
 Matrix: Solid Lab File ID: 1CD04027.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 11:18
 Sample wt/vol: 15.02(g) Date Analyzed: 04/04/2013 19:10
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 20.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	686		130	25
208-96-8	Acenaphthylene	689		50	6.3
120-12-7	Anthracene	774		11	5.3
56-55-3	Benzo[a]anthracene	1050		10	4.9
50-32-8	Benzo[a]pyrene	987		13	6.6
205-99-2	Benzo[b]fluoranthene	1300		15	7.7
191-24-2	Benzo[g,h,i]perylene	834		25	5.5
207-08-9	Benzo[k]fluoranthene	952		10	4.5
218-01-9	Chrysene	1050		11	5.7
53-70-3	Dibenz(a,h)anthracene	781		25	5.2
206-44-0	Fluoranthene	1430		25	5.0
86-73-7	Fluorene	716		25	5.2
193-39-5	Indeno[1,2,3-cd]pyrene	854		25	9.0
90-12-0	1-Methylnaphthalene	784		50	5.5
91-57-6	2-Methylnaphthalene	758		50	9.0
91-20-3	Naphthalene	687		50	5.5
85-01-8	Phenanthrene	1190		10	4.9
129-00-0	Pyrene	1310		25	4.7

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

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMC5973.i\1C040413.b\1CD04027.D
 Lab Smp Id: 680-88767-a-14-c ms
 Inj Date : 04-APR-2013 19:10
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-14-c msd
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 27 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	15.020	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		3.698	3.692	(1.000)	501990	40.0000		
* 6 Acenaphthene-d10	164		4.786	4.786	(1.000)	379064	40.0000		
* 10 Phenanthrene-d10	188		5.733	5.733	(1.000)	721133	40.0000		
\$ 14 o-Terphenyl	230		5.986	5.992	(1.044)	86215	8.04997	535.9501	
* 18 Chrysene-d12	240		7.686	7.692	(1.000)	826401	40.0000		
* 23 Perylene-d12	264		8.862	8.886	(1.000)	776193	40.0000	(H)	
2 Naphthalene	128		3.710	3.710	(1.003)	105389	8.17380	544.1947	
3 2-Methylnaphthalene	142		4.133	4.133	(1.118)	79180	9.02149	600.6320	
4 1-Methylnaphthalene	142		4.198	4.198	(1.135)	73690	9.33089	621.2310	
5 Acenaphthylene	152		4.698	4.698	(0.982)	128669	8.20147	546.0365	
7 Acenaphthene	154		4.804	4.804	(1.004)	79268	8.15768	543.1210	
9 Fluorene	166		5.127	5.127	(1.071)	110347	8.51857	567.1487	
11 Phenanthrene	178		5.751	5.751	(1.003)	296542	14.1192	940.0268(R)	
12 Anthracene	178		5.786	5.786	(1.009)	196053	9.20842	613.0773	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	180895	9.91714	660.2626
15 Fluoranthene	202	6.592	6.592	(1.150)	395523	17.0522	1135.2970(R)
16 Pyrene	202	6.757	6.763	(0.879)	355962	15.5497	1035.2638(R)
17 Benzo(a)anthracene	228	7.674	7.686	(0.998)	294989	12.4551	829.2356
19 Chrysene	228	7.704	7.710	(1.002)	295328	12.5411	834.9598
20 Benzo(b)fluoranthene	252	8.521	8.533	(0.962)	339371	15.4656	1029.6657(RH)
21 Benzo(k)fluoranthene	252	8.539	8.557	(0.963)	240414	11.3278	754.1780(H)
22 Benzo(a)pyrene	252	8.809	8.827	(0.994)	242533	11.7396	781.5967(H)
24 Indeno(1,2,3-cd)pyrene	276	10.021	10.056	(1.131)	199338	10.1586	676.3400(MH)
25 Dibenzo(a,h)anthracene	278	10.039	10.074	(1.133)	168429	9.29182	618.6297(H)
26 Benzo(g,h,i)perylene	276	10.368	10.415	(1.170)	198828	9.92793	660.9806(H)

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD04027.D

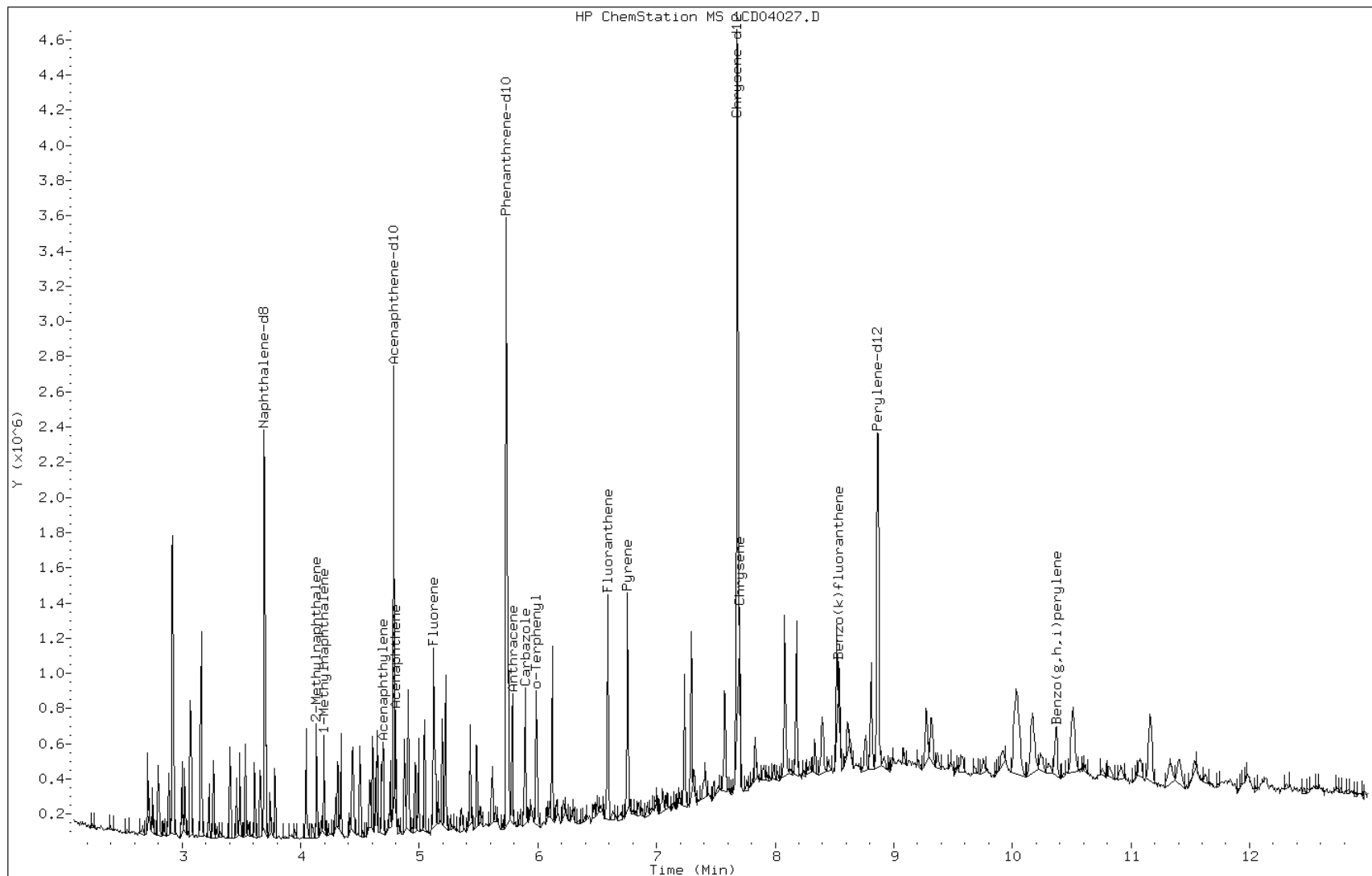
Date: 04-APR-2013 19:10

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-88767-a-14-c msd

Operator: SCC

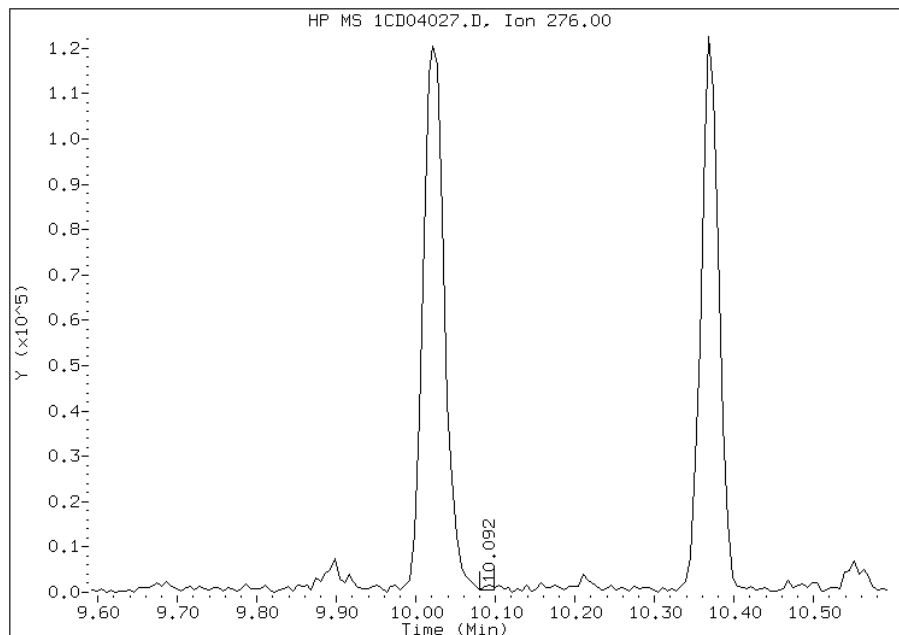


Manual Integration Report

Data File: 1CD04027.D
Inj. Date and Time: 04-APR-2013 19:10
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

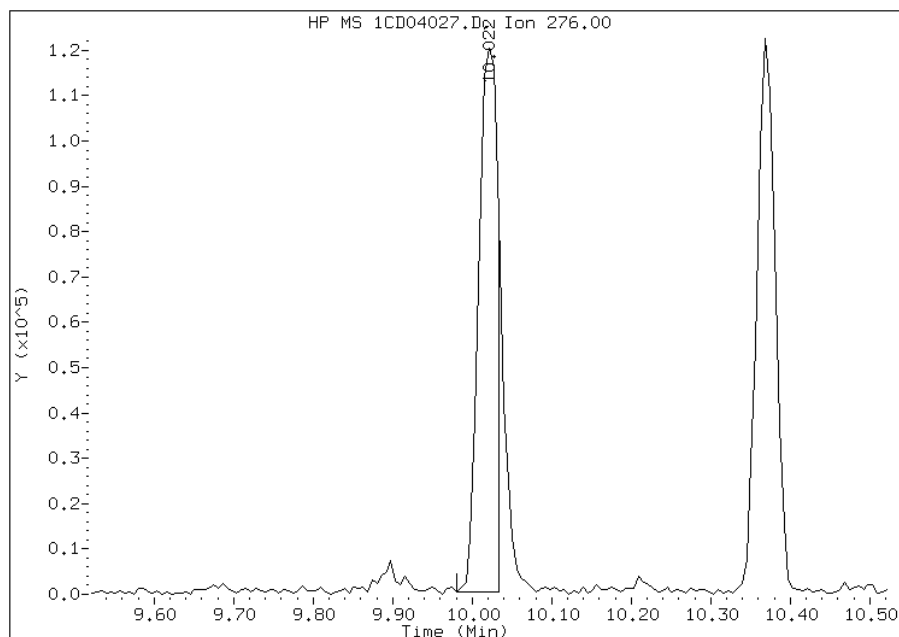
Processing Integration Results

RT: 10.09
Response: 795
Amount: 0
Conc: 3



Manual Integration Results

RT: 10.02
Response: 199338
Amount: 10
Conc: 676



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 14:48
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: _____ Lab Sample ID: 680-88767-A-41-C MSD
 Matrix: Solid Lab File ID: 1CD05022.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/03/2013 15:12
 Sample wt/vol: 14.96(g) Date Analyzed: 04/05/2013 17:52
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136171 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	467		120	24
208-96-8	Acenaphthylene	554		49	6.1
120-12-7	Anthracene	527		10	5.1
56-55-3	Benzo[a]anthracene	766		9.8	4.8
50-32-8	Benzo[a]pyrene	690		13	6.3
205-99-2	Benzo[b]fluoranthene	881		15	7.4
191-24-2	Benzo[g,h,i]perylene	661		24	5.4
207-08-9	Benzo[k]fluoranthene	659		9.8	4.4
218-01-9	Chrysene	772		11	5.5
53-70-3	Dibenz(a,h)anthracene	598		24	5.0
206-44-0	Fluoranthene	812		24	4.9
86-73-7	Fluorene	569		24	5.0
193-39-5	Indeno[1,2,3-cd]pyrene	615		24	8.7
90-12-0	1-Methylnaphthalene	572		49	5.4
91-57-6	2-Methylnaphthalene	511		49	8.7
91-20-3	Naphthalene	494		49	5.4
85-01-8	Phenanthrene	701		9.8	4.8
129-00-0	Pyrene	866		24	4.5

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\1C040513.b\1CD05022.D
 Lab Smp Id: 680-88767-a-41-c ms
 Inj Date : 05-APR-2013 17:52
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-a-41-c msd
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040513.b\a-bFASTPAHi-m.m
 Meth Date : 05-Apr-2013 12:31 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 21 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	14.960	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		3.692	3.692	(1.000)	592710	40.0000		
* 6 Acenaphthene-d10	164		4.780	4.780	(1.000)	441877	40.0000		
* 10 Phenanthrene-d10	188		5.721	5.721	(1.000)	870768	40.0000		
\$ 14 o-Terphenyl	230		5.974	5.974	(1.044)	82384	6.52175	435.9460	
* 18 Chrysene-d12	240		7.662	7.662	(1.000)	920152	40.0000		
* 23 Perylene-d12	264		8.827	8.827	(1.000)	845257	40.0000		
2 Naphthalene	128		3.704	3.704	(1.003)	92433	6.07168	405.8609	
3 2-Methylnaphthalene	142		4.133	4.133	(1.119)	65178	6.28951	420.4217	
4 1-Methylnaphthalene	142		4.192	4.192	(1.135)	65621	7.03737	470.4122	
5 Acenaphthylene	152		4.692	4.692	(0.982)	124686	6.81784	455.7376	
7 Acenaphthene	154		4.798	4.798	(1.004)	65023	5.74046	383.7207	
9 Fluorene	166		5.116	5.116	(1.070)	105679	6.99852	467.8155	
11 Phenanthrene	178		5.739	5.739	(1.003)	218554	8.61778	576.0551	
12 Anthracene	178		5.774	5.774	(1.009)	166625	6.48134	433.2446	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
13 Carbazole	167	5.880	5.880	(1.028)	150705	6.84228	457.3714
15 Fluoranthene	202	6.574	6.574	(1.149)	279769	9.98896	667.7111
16 Pyrene	202	6.739	6.739	(0.879)	271611	10.6560	712.3022
17 Benzo(a)anthracene	228	7.651	7.651	(0.998)	247499	9.41870	629.5921
19 Chrysene	228	7.680	7.680	(1.002)	248854	9.49089	634.4175
20 Benzo(b)fluoranthene	252	8.486	8.486	(0.961)	258979	10.8377	724.4449
21 Benzo(k)fluoranthene	252	8.504	8.509	(0.963)	187208	8.10008	541.4493
22 Benzo(a)pyrene	252	8.768	8.774	(0.993)	190868	8.48391	567.1060
24 Indeno(1,2,3-cd)pyrene	276	9.956	9.962	(1.128)	161589	7.56202	505.4824(M)
25 Dibenzo(a,h)anthracene	278	9.974	9.980	(1.130)	145060	7.34873	491.2254
26 Benzo(g,h,i)perylene	276	10.298	10.303	(1.167)	177259	8.12775	543.2988

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD05022.D

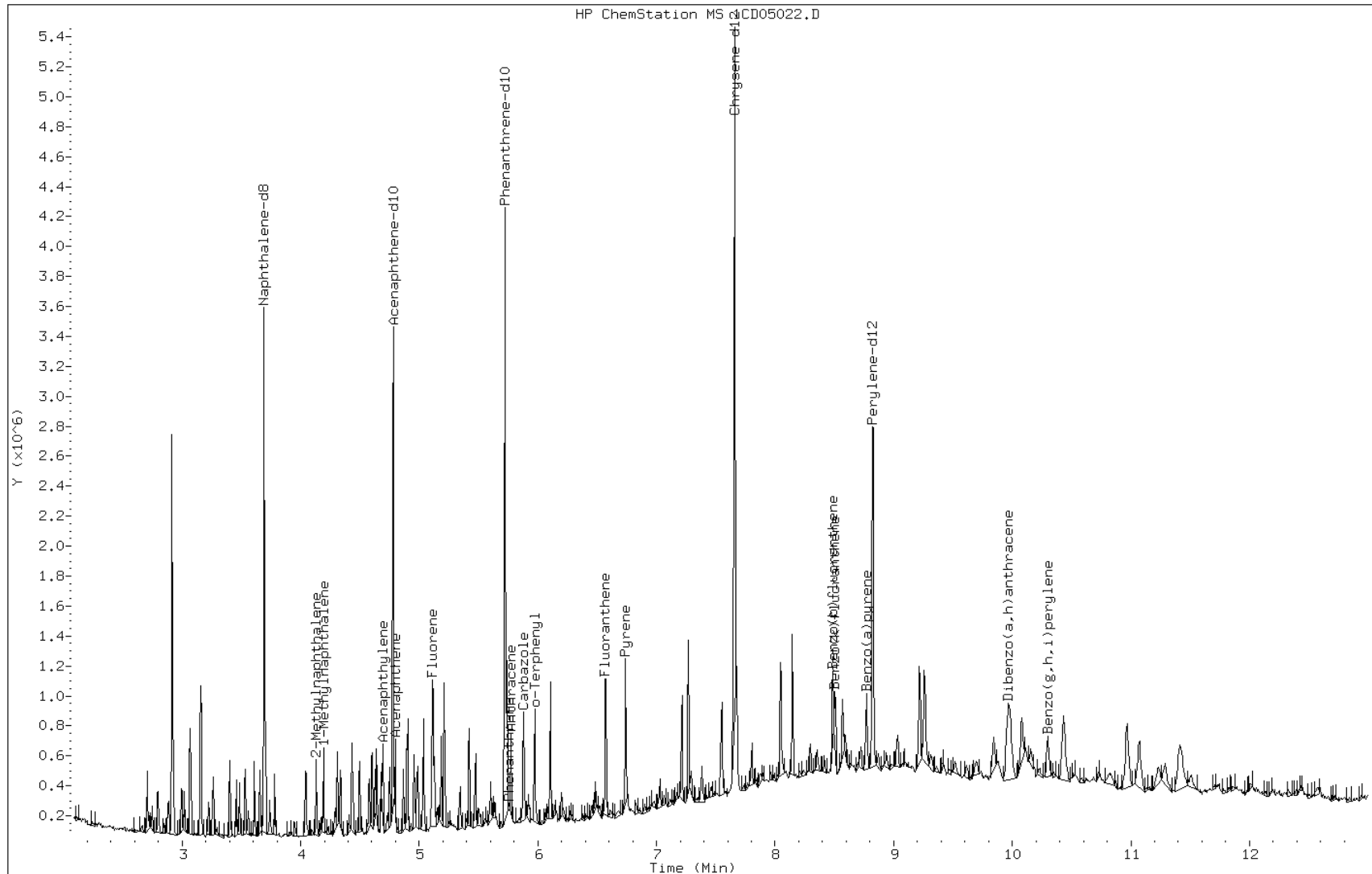
Date: 05-APR-2013 17:52

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-88767-a-41-c msd

Operator: SCC

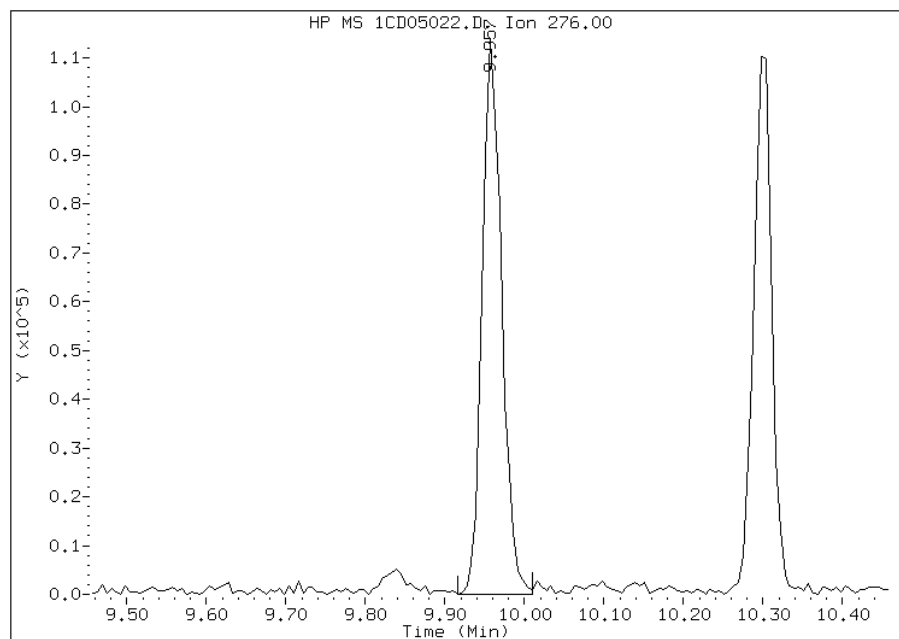


Manual Integration Report

Data File: 1CD05022.D
Inj. Date and Time: 05-APR-2013 17:52
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/09/2013

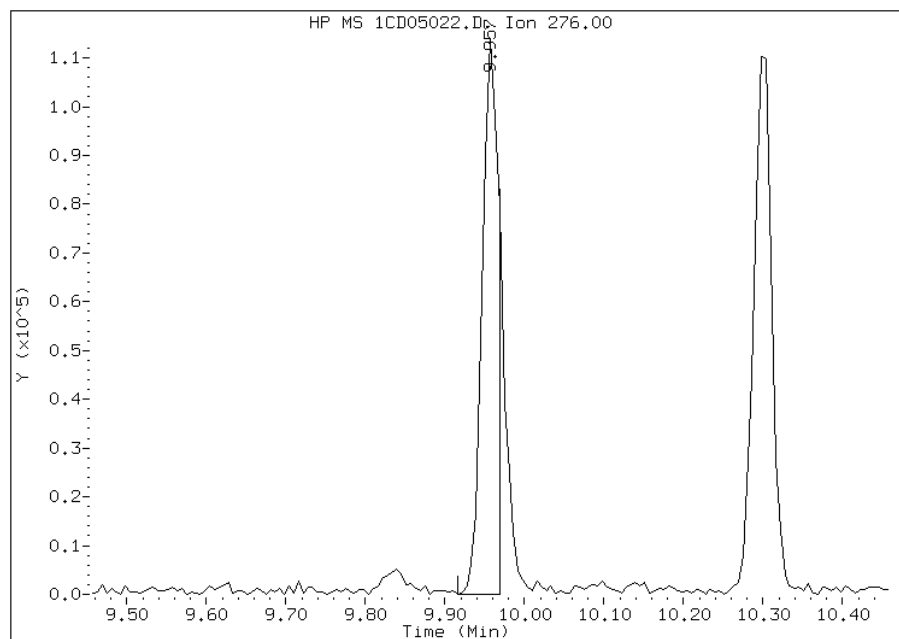
Processing Integration Results

RT: 9.96
Response: 192224
Amount: 9
Conc: 601



Manual Integration Results

RT: 9.96
Response: 161589
Amount: 8
Conc: 505



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 11:14
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2
 SDG No.: 68088767-2
 Client Sample ID: CV0509L-CS MSD Lab Sample ID: 680-88767-21 MSD
 Matrix: Solid Lab File ID: 1CD04009.D
 Analysis Method: 8270C LL Date Collected: 03/26/2013 10:22
 Extract. Method: 3546 Date Extracted: 04/03/2013 13:44
 Sample wt/vol: 15.08(g) Date Analyzed: 04/04/2013 13:40
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 27.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136131 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	542		140	27
208-96-8	Acenaphthylene	622		55	6.8
120-12-7	Anthracene	612		11	5.7
56-55-3	Benzo[a]anthracene	813		11	5.3
50-32-8	Benzo[a]pyrene	732		14	7.1
205-99-2	Benzo[b]fluoranthene	816		17	8.3
191-24-2	Benzo[g,h,i]perylene	702		27	6.0
207-08-9	Benzo[k]fluoranthene	874		11	4.9
218-01-9	Chrysene	767		12	6.1
53-70-3	Dibenz(a,h)anthracene	683		27	5.6
206-44-0	Fluoranthene	978		27	5.5
86-73-7	Fluorene	601		27	5.6
193-39-5	Indeno[1,2,3-cd]pyrene	703		27	9.7
90-12-0	1-Methylnaphthalene	626		55	6.0
91-57-6	2-Methylnaphthalene	569		55	9.7
91-20-3	Naphthalene	537		55	6.0
85-01-8	Phenanthrene	801		11	5.3
129-00-0	Pyrene	893		27	5.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	66		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\1CD04009.D
 Lab Smp Id: 680-88767-A-21-C MS
 Inj Date : 04-APR-2013 13:40
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88767-A-21-C MSD
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040413.b\a-bFASTPAHi-m.m
 Meth Date : 04-Apr-2013 12:04 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 9 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	15.080	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	ON-COLUMN	FINAL	
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136	3.698	3.692	(1.000)	501796	40.0000	
* 6 Acenaphthene-d10	164	4.786	4.786	(1.000)	371359	40.0000	
* 10 Phenanthrene-d10	188	5.733	5.733	(1.000)	716867	40.0000	
\$ 14 o-Terphenyl	230	5.986	5.992	(1.044)	69105	6.63129	439.7406
* 18 Chrysene-d12	240	7.686	7.692	(1.000)	878785	40.0000	
* 23 Perylene-d12	264	8.874	8.886	(1.000)	858819	40.0000	
2 Naphthalene	128	3.710	3.710	(1.003)	76034	5.89936	391.2040
3 2-Methylnaphthalene	142	4.133	4.133	(1.118)	54858	6.25275	414.6383
4 1-Methylnaphthalene	142	4.198	4.198	(1.135)	54359	6.88579	456.6174
5 Acenaphthylene	152	4.698	4.698	(0.982)	105158	6.84193	453.7088
7 Acenaphthene	154	4.804	4.804	(1.004)	56749	5.96136	395.3157
9 Fluorene	166	5.127	5.127	(1.071)	83863	6.60839	438.2218
11 Phenanthrene	178	5.751	5.751	(1.003)	183743	8.80059	583.5931
12 Anthracene	178	5.786	5.786	(1.009)	142426	6.72942	446.2481

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	5.892	5.898	(1.028)	138238	7.62367	505.5486
15 Fluoranthene	202	6.592	6.592	(1.150)	247945	10.7533	713.0803
16 Pyrene	202	6.756	6.763	(0.879)	238979	9.81715	651.0043
17 Benzo(a)anthracene	228	7.680	7.686	(0.999)	224055	8.93496	592.5040
19 Chrysene	228	7.709	7.710	(1.003)	211229	8.43515	559.3598
20 Benzo(b)fluoranthene	252	8.521	8.533	(0.960)	217720	8.96722	594.6432
21 Benzo(k)fluoranthene	252	8.545	8.557	(0.963)	225571	9.60584	636.9921
22 Benzo(a)pyrene	252	8.815	8.827	(0.993)	184006	8.04974	533.8024
24 Indeno(1,2,3-cd)pyrene	276	10.027	10.056	(1.130)	167848	7.73088	512.6581(M)
25 Dibenzo(a,h)anthracene	278	10.050	10.074	(1.133)	150551	7.50647	497.7763
26 Benzo(g,h,i)perylene	276	10.374	10.415	(1.169)	171079	7.72051	511.9700

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD04009.D

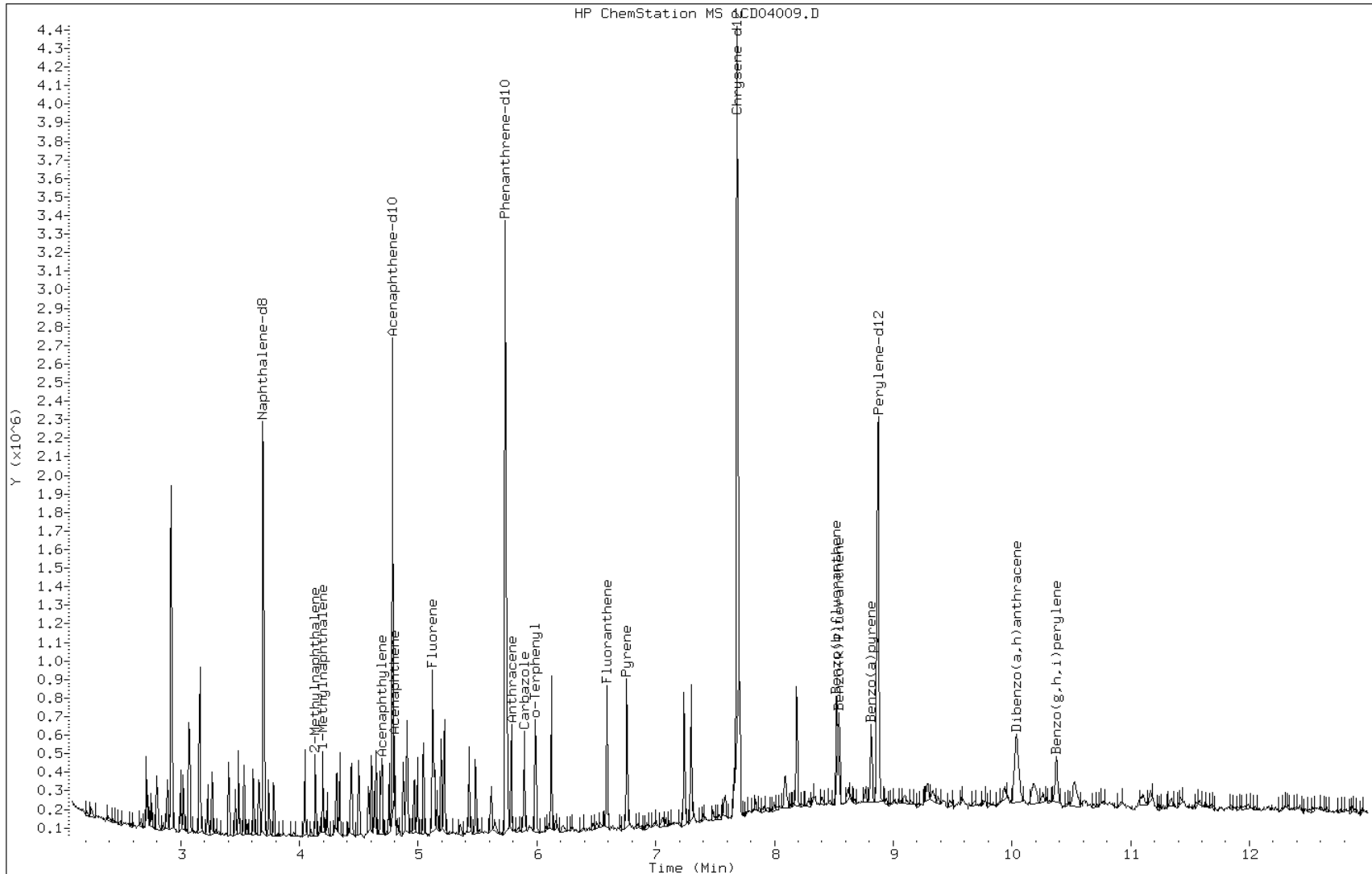
Date: 04-APR-2013 13:40

Client ID:

Instrument: BSMC5973.i

Sample Info: 680-88767-A-21-C MSD

Operator: SCC

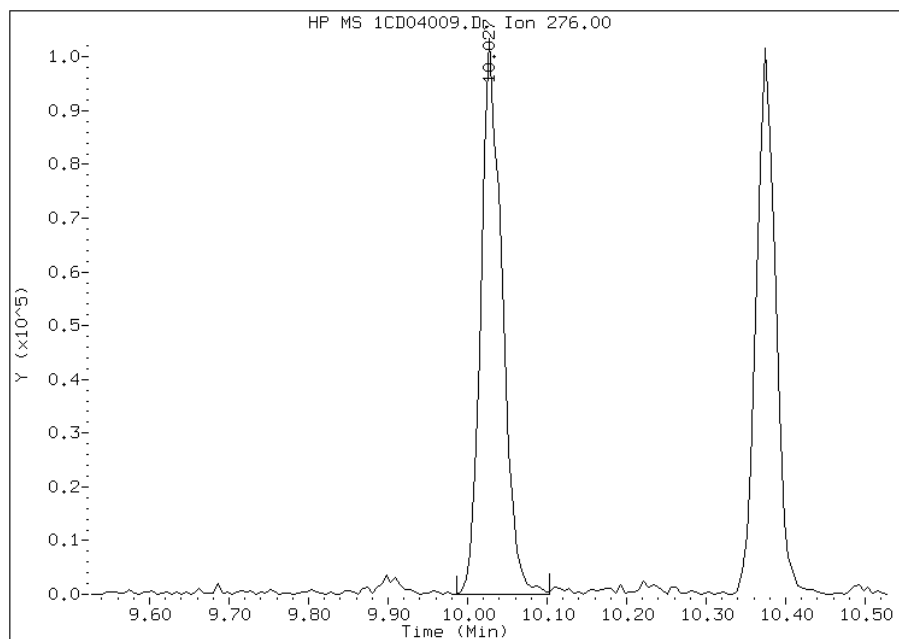


Manual Integration Report

Data File: 1CD04009.D
Inj. Date and Time: 04-APR-2013 13:40
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/04/2013

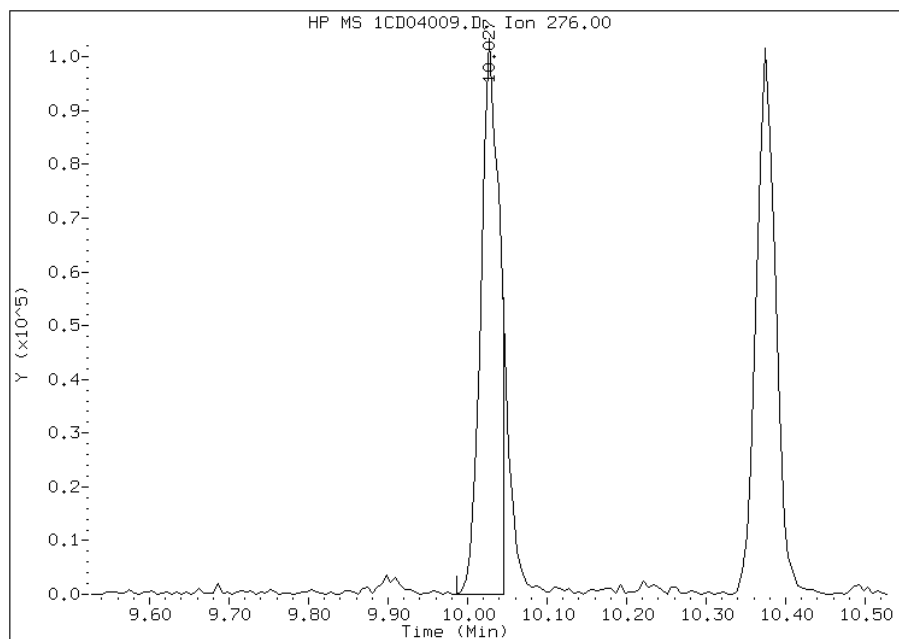
Processing Integration Results

RT: 10.03
Response: 190694
Amount: 9
Conc: 582



Manual Integration Results

RT: 10.03
Response: 167848
Amount: 8
Conc: 513



Manually Integrated By: cantins
Modification Date: 04-Apr-2013 14:06
Manual Integration Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Start Date: 04/02/2013 10:54Analysis Batch Number: 136048 End Date: 04/02/2013 15:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/02/2013 10:54	1		DB-5MS 250 (um)
ZZZZZ		04/02/2013 11:13	1		DB-5MS 250 (um)
DFTPP 660-136048/2		04/02/2013 11:31	1	1CD02002.D	DB-5MS 250 (um)
CCVIS 660-136048/3		04/02/2013 11:49	1		DB-5MS 250 (um)
CCVIS 660-136048/4		04/02/2013 12:09	1		DB-5MS 250 (um)
IC 660-136048/5		04/02/2013 13:26	1	1CD02005.D	DB-5MS 250 (um)
IC 660-136048/6		04/02/2013 13:44	1	1CD02006.D	DB-5MS 250 (um)
IC 660-136048/7		04/02/2013 14:02	1	1CD02007.D	DB-5MS 250 (um)
IC 660-136048/8		04/02/2013 14:20	1	1CD02008.D	DB-5MS 250 (um)
ICIS 660-136048/9		04/02/2013 14:39	1	1CD02009.D	DB-5MS 250 (um)
IC 660-136048/10		04/02/2013 14:57	1	1CD02010.D	DB-5MS 250 (um)
IC 660-136048/11		04/02/2013 15:15	1	1CD02011.D	DB-5MS 250 (um)
ICV 660-136048/12		04/02/2013 15:34	1	1CD02012.D	DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973Start Date: 04/04/2013 10:56Analysis Batch Number: 136131End Date: 04/04/2013 23:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/04/2013 10:56	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 11:15	1		DB-5MS 250 (um)
DFTPP 660-136131/2		04/04/2013 11:33	1	1CD04002.D	DB-5MS 250 (um)
CCVIS 660-136131/3		04/04/2013 11:50	1	1CD04003.D	DB-5MS 250 (um)
ZZZZZ		04/04/2013 12:08	1		DB-5MS 250 (um)
MB 660-136083/1-A		04/04/2013 12:26	1	1CD04005.D	DB-5MS 250 (um)
LCS 660-136083/2-A		04/04/2013 12:45	1	1CD04006.D	DB-5MS 250 (um)
680-88767-21	CV0509L-CS	04/04/2013 13:03	1	1CD04007.D	DB-5MS 250 (um)
680-88767-21 MS	CV0509L-CS MS	04/04/2013 13:21	1	1CD04008.D	DB-5MS 250 (um)
680-88767-21 MSD	CV0509L-CS MSD	04/04/2013 13:40	1	1CD04009.D	DB-5MS 250 (um)
ZZZZZ		04/04/2013 13:58	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 14:16	1		DB-5MS 250 (um)
680-88767-29	CV0509T-CS	04/04/2013 14:35	1	1CD04012.D	DB-5MS 250 (um)
680-88767-30	CV0509T-CSD	04/04/2013 14:53	4	1CD04013.D	DB-5MS 250 (um)
ZZZZZ		04/04/2013 15:12	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 15:30	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 15:48	1		DB-5MS 250 (um)
MB 660-136072/1-A		04/04/2013 16:07	1	1CD04017.D	DB-5MS 250 (um)
LCS 660-136072/2-A		04/04/2013 16:25	1	1CD04018.D	DB-5MS 250 (um)
ZZZZZ		04/04/2013 16:43	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:02	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:20	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:38	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:57	4		DB-5MS 250 (um)
ZZZZZ		04/04/2013 18:15	4		DB-5MS 250 (um)
ZZZZZ		04/04/2013 18:34	1		DB-5MS 250 (um)
680-88767-A-14-B MS		04/04/2013 18:52	1	1CD04026.D	DB-5MS 250 (um)
680-88767-A-14-C MSD		04/04/2013 19:10	1	1CD04027.D	DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:29	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:47	4		DB-5MS 250 (um)
ZZZZZ		04/04/2013 20:05	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 20:24	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 20:42	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 21:00	1		DB-5MS 250 (um)
680-88767-22	CV0509M-CS	04/04/2013 21:19	4	1CD04034.D	DB-5MS 250 (um)
680-88767-23	CV0509N-CS	04/04/2013 21:37	1	1CD04035.D	DB-5MS 250 (um)
680-88767-24	CV0509O-CS	04/04/2013 21:56	1	1CD04036.D	DB-5MS 250 (um)
680-88767-25	CV0509P-CS	04/04/2013 22:14	1	1CD04037.D	DB-5MS 250 (um)
680-88767-26	CV0509Q-CS	04/04/2013 22:33	1	1CD04038.D	DB-5MS 250 (um)
680-88767-27	CV0509R-CS	04/04/2013 22:51	1	1CD04039.D	DB-5MS 250 (um)
680-88767-28	CV0509S-CS	04/04/2013 23:09	1	1CD04040.D	DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973Start Date: 04/05/2013 10:58Analysis Batch Number: 136171End Date: 04/05/2013 23:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/05/2013 10:58	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 11:18	1		DB-5MS 250 (um)
DFTPP 660-136171/2		04/05/2013 11:37	1		DB-5MS 250 (um)
DFTPP 660-136171/3		04/05/2013 11:57	1	1CD05003.D	DB-5MS 250 (um)
CCVIS 660-136171/4		04/05/2013 12:15	1	1CD05004.D	DB-5MS 250 (um)
ZZZZZ		04/05/2013 12:35	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 12:54	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 13:12	1		DB-5MS 250 (um)
MB 660-136087/1-A		04/05/2013 13:31	1	1CD05008.D	DB-5MS 250 (um)
LCS 660-136087/2-A		04/05/2013 13:49	1	1CD05009.D	DB-5MS 250 (um)
680-88767-31	CV0509U-CS	04/05/2013 14:07	4	1CD05010.D	DB-5MS 250 (um)
680-88767-32	CV0509V-CS	04/05/2013 14:26	1	1CD05011.D	DB-5MS 250 (um)
680-88767-33	CV0509W-CS	04/05/2013 14:44	1	1CD05012.D	DB-5MS 250 (um)
680-88767-34	CV0509X-CS	04/05/2013 15:02	1	1CD05013.D	DB-5MS 250 (um)
680-88767-35	CV0509Y-CS	04/05/2013 15:21	4	1CD05014.D	DB-5MS 250 (um)
680-88767-36	CV0509Z-CS	04/05/2013 15:39	1	1CD05015.D	DB-5MS 250 (um)
680-88767-37	CV0509AA-CS	04/05/2013 15:57	4	1CD05016.D	DB-5MS 250 (um)
680-88767-38	CV0509BB-CS	04/05/2013 16:20	4	1CD05017.D	DB-5MS 250 (um)
680-88767-39	CV0509CC-CS	04/05/2013 16:38	4	1CD05018.D	DB-5MS 250 (um)
680-88767-40	CV0509CC-CSD	04/05/2013 16:57	4	1CD05019.D	DB-5MS 250 (um)
ZZZZZ		04/05/2013 17:15	1		DB-5MS 250 (um)
680-88767-A-41-B MS		04/05/2013 17:33	1	1CD05021.D	DB-5MS 250 (um)
680-88767-A-41-C MSD		04/05/2013 17:52	1	1CD05022.D	DB-5MS 250 (um)
ZZZZZ		04/05/2013 18:10	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 18:28	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 18:47	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 19:05	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 19:23	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 19:42	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 20:00	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 20:18	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 20:37	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 20:55	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 21:13	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 21:32	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 21:50	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 22:09	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 22:27	1		DB-5MS 250 (um)
ZZZZZ		04/05/2013 22:45	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 23:04	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 23:22	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 23:40	4		DB-5MS 250 (um)
ZZZZZ		04/05/2013 23:58	4		DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Instrument ID: BSMC5973 Start Date: 04/09/2013 10:54Analysis Batch Number: 136263 End Date: 04/09/2013 13:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/09/2013 10:54	1		DB-5MS 250 (um)
ZZZZZ		04/09/2013 11:12	1		DB-5MS 250 (um)
DFTPP 660-136263/2		04/09/2013 11:31	1	1CD09002.D	DB-5MS 250 (um)
CCVIS 660-136263/3		04/09/2013 11:47	1	1CD09003.D	DB-5MS 250 (um)
ZZZZZ		04/09/2013 12:10	1		DB-5MS 250 (um)
ZZZZZ		04/09/2013 12:28	1		DB-5MS 250 (um)
ZZZZZ		04/09/2013 12:46	1		DB-5MS 250 (um)
680-88767-34 DL	CV0509X-CS DL	04/09/2013 13:05	4	1CD09007.D	DB-5MS 250 (um)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica TampaJob No.: 680-88767-2SDG No.: 68088767-2Batch Number: 136072Batch Start Date: 04/03/13 11:18

Batch Analyst:

Batch Method: 3546Batch End Date: 04/03/13 16:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00020	EXLLSURINT 00178
MB 660-136072/1		3546, 8270C LL		15.17 g	1 mL		1 mL
LCS 660-136072/2		3546, 8270C LL		15.21 g	1 mL	1 mL	1 mL
680-88767-A-14 MS		3546, 8270C LL	T	15.02 g	1 mL	1 mL	1 mL
680-88767-A-14 MSD		3546, 8270C LL	T	15.02 g	1 mL	1 mL	1 mL
680-88767-A-22	CV0509M-CS	3546, 8270C LL	T	14.95 g	1 mL		1 mL
680-88767-A-23	CV0509N-CS	3546, 8270C LL	T	14.91 g	1 mL		1 mL
680-88767-A-24	CV0509O-CS	3546, 8270C LL	T	15.37 g	1 mL		1 mL
680-88767-A-25	CV0509P-CS	3546, 8270C LL	T	15.01 g	1 mL		1 mL
680-88767-A-26	CV0509Q-CS	3546, 8270C LL	T	15.01 g	1 mL		1 mL
680-88767-A-27	CV0509R-CS	3546, 8270C LL	T	15.03 g	1 mL		1 mL
680-88767-A-28	CV0509S-CS	3546, 8270C LL	T	15.48 g	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	SAUREL
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 59/60
Microwave Start Time	14:25 4/3/13
Microwave Stop Time	15:00 4/3/13
Na2SO4 Lot Number	EX-NA2S04A 65
Ottawa Sand Lot #	EX-OTTOWA SAND 14
Person's name who did the prep	SAUREL
SOP Number	TP-EX-014
Person who witnessed spiking	AG
Surrogate Lot Number	EXLLSURINT 178
Water Bath ID	TURBOVAP2 #1-4
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 this reagent.

8270C LL

--	--

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2SDG No.: 68088767-2Batch Number: 136083 Batch Start Date: 04/03/13 13:44 Batch Analyst:Batch Method: 3546 Batch End Date: 04/04/13 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00020	EXLLSURINT 00178
MB 660-136083/1		3546, 8270C LL		15.02 g	1 mL		1 mL
LCS 660-136083/2		3546, 8270C LL		15.34 g	1 mL	1 mL	1 mL
680-88767-A-21	CV0509L-CS	3546, 8270C LL	T	14.99 g	1 mL		1 mL
680-88767-A-21 MS	CV0509L-CS	3546, 8270C LL	T	14.97 g	1 mL	1 mL	1 mL
680-88767-A-21 MSD	CV0509L-CS	3546, 8270C LL	T	15.08 g	1 mL	1 mL	1 mL
680-88767-A-29	CV0509T-CS	3546, 8270C LL	T	14.86 g	1 mL		1 mL
680-88767-A-30	CV0509T-CSD	3546, 8270C LL	T	14.98 g	1 mL		1 mL

Batch Notes

Acetone Lot #	EX-ACETON BOT 51
Balance ID	B001
Batch Comment	RE-EXTRACT
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 60
Microwave Start Time	16:00 4/3/13
Microwave Stop Time	16:35 4/3/13
Na2SO4 Lot Number	EX-NA2S04A 65
Ottawa Sand Lot #	EX-OTTOWA SAND 14
Person's name who did the prep	RYAN
SOP Number	TP-EX014
Person who witnessed spiking	SC
Surrogate Lot Number	EXLLSURINT 178
Water Bath ID	TURBOVAP2 #1-4
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 this reagent.

8270C LL

Nolan, Ryan

|
|

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica TampaJob No.: 680-88767-2SDG No.: 68088767-2Batch Number: 136087Batch Start Date: 04/03/13 15:12

Batch Analyst:

Batch Method: 3546Batch End Date: 04/04/13 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00020	EXLLSURINT 00178
MB 660-136087/1		3546, 8270C LL		14.98 g	1 mL		1 mL
LCS 660-136087/2		3546, 8270C LL		15.35 g	1 mL	1 mL	1 mL
680-88767-A-31	CV0509U-CS	3546, 8270C LL	T	15.39 g	1 mL		1 mL
680-88767-A-32	CV0509V-CS	3546, 8270C LL	T	15.30 g	1 mL		1 mL
680-88767-A-33	CV0509W-CS	3546, 8270C LL	T	14.97 g	1 mL		1 mL
680-88767-A-34	CV0509X-CS	3546, 8270C LL	T	15.41 g	1 mL		1 mL
680-88767-A-35	CV0509Y-CS	3546, 8270C LL	T	15.05 g	1 mL		1 mL
680-88767-A-36	CV0509Z-CS	3546, 8270C LL	T	15.02 g	1 mL		1 mL
680-88767-A-37	CV0509AA-CS	3546, 8270C LL	T	15.02 g	1 mL		1 mL
680-88767-A-38	CV0509BB-CS	3546, 8270C LL	T	15.00 g	1 mL		1 mL
680-88767-A-39	CV0509CC-CS	3546, 8270C LL	T	15.11 g	1 mL		1 mL
680-88767-A-40	CV0509CC-CSD	3546, 8270C LL	T	14.98 g	1 mL		1 mL
680-88767-A-41 MS		3546, 8270C LL	T	14.96 g	1 mL	1 mL	1 mL
680-88767-A-41 MSD		3546, 8270C LL	T	14.96 g	1 mL	1 mL	1 mL

Batch Notes

Acetone Lot #	EX-ACETON BOT 50
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 CYCL55
MeCl2/Acetone Lot #	DCM/ACETON62
Microwave Start Time	17:30 4/3/13
Microwave Stop Time	18:05 4/3/13
Na2SO4 Lot Number	EX-NA2S04A 65
Ottawa Sand Lot #	EX-OTTOWA SAND 14
Person's name who did the prep	SAUREL
SOP Number	TP-EX-014
Person who witnessed spiking	SELF
Surrogate Lot Number	EXLLSURINT 178
Water Bath ID	TURBOVAP2 #1-4
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 this reagent.

8270C LL

|

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa

Job Number: 680-88767-2

SDG No.: 68088767-2

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0509L-CS	680-88767-21
CV0509M-CS	680-88767-22
CV0509N-CS	680-88767-23
CV0509O-CS	680-88767-24
CV0509P-CS	680-88767-25
CV0509Q-CS	680-88767-26
CV0509R-CS	680-88767-27
CV0509S-CS	680-88767-28
CV0509T-CS	680-88767-29
CV0509T-CSD	680-88767-30
CV0509U-CS	680-88767-31
CV0509V-CS	680-88767-32
CV0509W-CS	680-88767-33
CV0509X-CS	680-88767-34
CV0509Y-CS	680-88767-35
CV0509Z-CS	680-88767-36
CV0509AA-CS	680-88767-37
CV0509BB-CS	680-88767-38
CV0509CC-CS	680-88767-39
CV0509CC-CSD	680-88767-40

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-88767-2
SDG Number: 68088767-2
Matrix: Solid Instrument ID: Moisture
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: 680-88767-2
SDG Number: 68088767-2
Matrix: Solid Instrument ID: Moisture
Method: Moisture XRL Date: 04/12/2010 08:14

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-88767-2
SDG Number: 68088767-2
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: 680-88767-2
SDG Number: 68088767-2
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.: 680-88767-2

SDG No.: 68088767-2

Instrument ID: Moisture Method: Moisture

Start Date: 03/29/2013 06:29 End Date: 03/29/2013 13:05

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M o i s t															
LCS 660-135936/1	1	T	06:29	X															
LCSD 660-135936/21	1	T	06:31	X															
ZZZZZZ			08:33																
ZZZZZZ			08:39																
680-88767-36	1	T	10:30	X															
680-88767-25	1	T	10:33	X															
680-88767-32	1	T	10:58	X															
ZZZZZZ			11:11																
ZZZZZZ			11:42																
ZZZZZZ			11:52																
ZZZZZZ			11:55																
ZZZZZZ			12:08																
ZZZZZZ			12:20																
ZZZZZZ			12:28																
ZZZZZZ			12:29																
ZZZZZZ			12:35																
ZZZZZZ			12:38																
ZZZZZZ			12:46																
640-42916-A-9 MS	1	T	12:52	X															
640-42916-A-9 MSD	1	T	13:04	X															
ZZZZZZ			13:05																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job No.: 680-88767-2

SDG No.: 68088767-2

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/29/2013 10:07 End Date: 03/29/2013 10:07

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M o i s t															
680-88767-39	1	T	10:07	X															
680-88767-28	1	T	10:07	X															
680-88767-29	1	T	10:07	X															
680-88767-27	1	T	10:07	X															
680-88767-34	1	T	10:07	X															
ZZZZZZ			10:07																
680-88767-38	1	T	10:07	X															
680-88767-40	1	T	10:07	X															
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																
ZZZZZZ			10:07																

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2

SDG No.: 68088767-2

Batch Number: 135922 Batch Start Date: 03/29/13 10:07 Batch Analyst:

Batch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry
680-88767-A-21	CV0509L-CS	Moisture	T	1	0 g	4.39 g	3.20 g
680-88767-A-21 MS	CV0509L-CS	Moisture	T	1	0 g	4.39 g	3.20 g
680-88767-A-21 MSD	CV0509L-CS	Moisture	T	1	0 g	4.39 g	3.20 g
680-88767-A-14 MS		Moisture	T	2	0 g	4.38 g	3.47 g
680-88767-A-14 MSD		Moisture	T	2	0 g	4.38 g	3.47 g
680-88767-A-24	CV0509O-CS	Moisture	T	6	0 g	4.17 g	2.75 g
680-88767-A-41 MS		Moisture	T	10	0 g	5.79 g	4.76 g
680-88767-A-41 MSD		Moisture	T	10	0 g	5.79 g	4.76 g
680-88767-A-35	CV0509Y-CS	Moisture	T	25	0 g	4.51 g	3.28 g
680-88767-A-37	CV0509AA-CS	Moisture	T	26	0 g	4.60 g	3.51 g
680-88767-A-31	CV0509U-CS	Moisture	T	27	0 g	4.25 g	3.51 g
680-88767-A-22	CV0509M-CS	Moisture	T	28	0 g	4.70 g	3.86 g
680-88767-A-26	CV0509Q-CS	Moisture	T	32	0 g	4.48 g	3.21 g
680-88767-A-23	CV0509N-CS	Moisture	T	33	0 g	4.28 g	3.11 g
680-88767-A-30	CV0509T-CSD	Moisture	T	34	0 g	4.44 g	3.46 g
680-88767-A-33	CV0509W-CS	Moisture	T	36	0 g	4.78 g	3.85 g
680-88767-A-39	CV0509CC-CS	Moisture	T	37	0 g	4.48 g	3.63 g
680-88767-A-28	CV0509S-CS	Moisture	T	38	0 g	5.61 g	3.97 g
680-88767-A-29	CV0509T-CS	Moisture	T	39	0 g	4.19 g	2.80 g
680-88767-A-27	CV0509R-CS	Moisture	T	40	0 g	4.81 g	3.59 g
680-88767-A-34	CV0509X-CS	Moisture	T	41	0 g	4.11 g	2.92 g
680-88767-A-38	CV0509BB-CS	Moisture	T	43	0 g	5.09 g	3.99 g
680-88767-A-40	CV0509CC-CSD	Moisture	T	44	0 g	4.37 g	3.56 g

Batch Notes

Balance ID	2 No Unit
Date samples were placed in the oven	3.29.13
Date samples were removed from oven	3/30/13
Time Samples were removed from oven	8:30

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 this reagent.

Moisture

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88767-2

SDG No.: 68088767-2

Batch Number: 135936 Batch Start Date: 03/29/13 06:29 Batch Analyst:

Batch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	
LCS 660-135936/1		Moisture		0 g	10.009 g	9.002 g	
680-88767-A-25	CV0509P-CS	Moisture	T	0 g	4.13 g	2.582 g	
680-88767-A-32	CV0509V-CS	Moisture	T	0 g	4.136 g	2.922 g	
640-42916-A-9 MS		Moisture	T	0 g	4.607 g	3.873 g	
640-42916-A-9 MSD		Moisture	T	0 g	4.175 g	3.486 g	
680-88767-A-36	CV0509Z-CS	Moisture	T	0 g	4.694 g	3.134 g	
LCSD 660-135936/21		Moisture		0 g	10.014 g	9.014 g	

Batch Notes

Oven ID	HB43-1, HB43-2
---------	----------------

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 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>5</i>
TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i>	P.O. NUMBER	CONTRACT NO.	CLIENT FAX	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____

(b) (6)
(b) (6)

CLIENT ADDRESS	COMPANY CONTRACTING THIS WORK (if applicable)	CLIENT FAX	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
			LLPAH SVOC Metals	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
			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		
3-26-13	0945	CV0509 E - CS	C	X			X															
	0955	CV0509 F - CS	C	X			X															
	0958	CV0509 G - CS	C	X			X	X														
	1005	CV0509 H - CS	C	X			X															
	1007	CV0509 I - CS	C	X			X															
	1012	CV0509 J - CS	C	X			X															
	1018	CV0509 K - CS	C	X			X															
	1020	CV0509 K - CSD	C	X			X															
	1022	CV0509 L - CS	C	X			X															
	1034	CV0509 M - CS	C	X			X															
	1040	CV0509 N - CS	C	X			X															
	1045	CV0509 O - CS	C	X			X	X														

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-26-13	TIME 1400	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 03/28/13	TIME 0937	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-88767	LABORATORY REMARKS 1.4c

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>2005198-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i> OF <i>5</i>
--	------------------------------------	---------------------------------------	-------------	-------------------	---------------------------

TAL (LAB) PROJECT MANAGER <i>Lisa Harven</i>	P.O. NUMBER <i>2</i>	CONTRACT NO.	INTERNET FAX	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
---	-------------------------	--------------	--------------	--	----------------

CLIENT ADDRESS	COMPANY CONTRACTING THIS WORK (if applicable)	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	SVOC	Metals	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
----------------	---	------------------------------------	-----------------	--------------------	-----	---------------------------------------	--------	------	--------	---	----------------

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	PRESERVATIVE
---	--------------

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	
<i>3-26-13</i>	<i>1230</i>	<i>CV0509P-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1300</i>	<i>CV0509Q-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1305</i>	<i>CV0509R-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1315</i>	<i>CV0509S-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1320</i>	<i>CV0509T-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		<i>X</i>									
	<i>1325</i>	<i>CV0509T-CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>		<i>X</i>									
	<i>1332</i>	<i>CV0509U-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1335</i>	<i>CV0509V-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1340</i>	<i>CV0509W-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1342</i>	<i>CV0509X-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											
	<i>1410</i>	<i>CV0509Y-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>		<i>X</i>									
	<i>1415</i>	<i>CV0509Z-CS</i>	<i>C</i>	<i>X</i>			<i>X</i>											

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-27-13</i>	TIME <i>1400</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

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-88767</i>	LABORATORY REMARKS <i>1-4c</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 <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>4</i> OF <i>5</i>
TAL # AD PROJECT MANAGER	PROJECT NO. NUMBER	CONTRACT NO.			

(b) (6)
(b) (6)

CLIENT ADDRESS	CLIENT FAX	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
COMPANY CONTRACTING THIS WORK (if applicable)		EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
		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, ...)	REQUIRED ANALYSIS										REMARKS					
DATE	TIME							LL PAH	SVOC	Metals	PRESERVATIVE					NUMBER OF CONTAINERS SUBMITTED							
<i>3-26-13</i>	<i>1420</i>	<i>CV0509 AA - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1435</i>	<i>CV0509 BB - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1446</i>	<i>CV0509 CC - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1448</i>	<i>CV0509 CC - CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1458</i>	<i>CV0509 DD - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1510</i>	<i>CV0509 EE - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1515</i>	<i>CV0509 FF - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1520</i>	<i>CV0509 GG - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1530</i>	<i>CV0509 HH - CS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1532</i>	<i>CV0509 HH - CSD</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1245</i>	<i>CV0509 AG - GS</i>	<i>C</i>	<i>X</i>			<i>X</i>																
	<i>1250</i>	<i>CV0509 AH - GS</i>	<i>C</i>	<i>X</i>			<i>X</i>																

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-27-13</i>	TIME <i>1400</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

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>680-88767</i>	LABORATORY REMARKS <i>1.4c</i>
---	-------------------------	---------------------	---	------------------	--------------------------------------	-----------------------------------

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-2

SDG Number: 68088767-2

Login Number: 88767

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: 680-88767-2

SDG Number: 68088767-2

Login Number: 88767

List Source: TestAmerica Tampa

List Number: 1

List Creation: 03/29/13 09:17 AM

Creator: McNulty, Carol

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ 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 <6mm (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: 680-88767-2

TestAmerica Sample Delivery Group: 68088767-2
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:
4/9/2013 3:48:11 PM

Bernard Kirkland
Project Manager I
bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com

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.



LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

1

2

3

4

5

6

7

8

9

10

11

12

Case Narrative

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

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

Job ID: 680-88767-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-2

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 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0509L-CS (680-88767-21), CV0509M-CS (680-88767-22), CV0509N-CS (680-88767-23), CV0509O-CS (680-88767-24), CV0509P-CS (680-88767-25), CV0509Q-CS (680-88767-26), CV0509R-CS (680-88767-27), CV0509S-CS (680-88767-28), CV0509T-CS (680-88767-29), CV0509T-CSD (680-88767-30), CV0509U-CS (680-88767-31), CV0509V-CS (680-88767-32), CV0509W-CS (680-88767-33), CV0509X-CS (680-88767-34), CV0509Y-CS (680-88767-35), CV0509Z-CS (680-88767-36), CV0509AA-CS (680-88767-37), CV0509BB-CS (680-88767-38), CV0509CC-CS (680-88767-39) and CV0509CC-CSD (680-88767-40) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/03/2013 and analyzed on 04/04/2013, 04/05/2013 and 04/09/2013.

Samples CV0509M-CS (680-88767-22)[4X], CV0509T-CSD (680-88767-30)[4X], CV0509U-CS (680-88767-31)[4X], CV0509X-CS (680-88767-34)[4X], CV0509Y-CS (680-88767-35)[4X], CV0509AA-CS (680-88767-37)[4X], CV0509BB-CS (680-88767-38)[4X], CV0509CC-CS (680-88767-39)[4X] and CV0509CC-CSD (680-88767-40)[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: 680-88767-2
SDG: 68088767-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88767-21	CV0509L-CS	Solid	03/26/13 10:22	03/28/13 09:37
680-88767-22	CV0509M-CS	Solid	03/26/13 10:34	03/28/13 09:37
680-88767-23	CV0509N-CS	Solid	03/26/13 10:40	03/28/13 09:37
680-88767-24	CV0509O-CS	Solid	03/26/13 10:45	03/28/13 09:37
680-88767-25	CV0509P-CS	Solid	03/26/13 12:30	03/28/13 09:37
680-88767-26	CV0509Q-CS	Solid	03/26/13 13:00	03/28/13 09:37
680-88767-27	CV0509R-CS	Solid	03/26/13 13:05	03/28/13 09:37
680-88767-28	CV0509S-CS	Solid	03/26/13 13:15	03/28/13 09:37
680-88767-29	CV0509T-CS	Solid	03/26/13 13:20	03/28/13 09:37
680-88767-30	CV0509T-CSD	Solid	03/26/13 13:25	03/28/13 09:37
680-88767-31	CV0509U-CS	Solid	03/26/13 13:32	03/28/13 09:37
680-88767-32	CV0509V-CS	Solid	03/26/13 13:35	03/28/13 09:37
680-88767-33	CV0509W-CS	Solid	03/26/13 13:40	03/28/13 09:37
680-88767-34	CV0509X-CS	Solid	03/26/13 13:42	03/28/13 09:37
680-88767-35	CV0509Y-CS	Solid	03/26/13 14:10	03/28/13 09:37
680-88767-36	CV0509Z-CS	Solid	03/26/13 14:15	03/28/13 09:37
680-88767-37	CV0509AA-CS	Solid	03/26/13 14:20	03/28/13 09:37
680-88767-38	CV0509BB-CS	Solid	03/26/13 14:35	03/28/13 09:37
680-88767-39	CV0509CC-CS	Solid	03/26/13 14:46	03/28/13 09:37
680-88767-40	CV0509CC-CSD	Solid	03/26/13 14:48	03/28/13 09:37

Method Summary

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

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

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

1

2

3

4

5

6

7

8

9

10

11

12

Definitions/Glossary

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

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

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: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509L-CS

Lab Sample ID: 680-88767-21

Date Collected: 03/26/13 10:22

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.9

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	27	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Acenaphthylene	13	J	55	6.9	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Anthracene	43		12	5.8	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Benzo[a]anthracene	260		11	5.4	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Benzo[a]pyrene	240		14	7.1	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Benzo[b]fluoranthene	320		17	8.4	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Benzo[g,h,i]perylene	200		27	6.0	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Benzo[k]fluoranthene	160		11	4.9	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Chrysene	240		12	6.2	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Dibenz(a,h)anthracene	58		27	5.6	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Fluoranthene	440		27	5.5	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Fluorene	9.8	J	27	5.6	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Indeno[1,2,3-cd]pyrene	160		27	9.7	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
1-Methylnaphthalene	33	J	55	6.0	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
2-Methylnaphthalene	29	J	55	9.7	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Naphthalene	20	J	55	6.0	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Phenanthrene	180		11	5.4	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1
Pyrene	350		27	5.1	ug/Kg	☼	04/03/13 13:44	04/04/13 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	71		30 - 130	04/03/13 13:44	04/04/13 13:03	1

Client Sample ID: CV0509M-CS

Lab Sample ID: 680-88767-22

Date Collected: 03/26/13 10:34

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Acenaphthylene	30	J	200	24	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Anthracene	100		41	21	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Benzo[a]anthracene	460		39	19	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Benzo[a]pyrene	340		51	25	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Benzo[b]fluoranthene	600		60	30	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Benzo[g,h,i]perylene	280		98	22	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Benzo[k]fluoranthene	280		39	18	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Chrysene	440		44	22	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Dibenz(a,h)anthracene	82	J	98	20	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Fluoranthene	670		98	20	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Fluorene	28	J	98	20	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Indeno[1,2,3-cd]pyrene	310		98	35	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
1-Methylnaphthalene	100	J	200	22	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
2-Methylnaphthalene	100	J	200	35	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Naphthalene	110	J	200	22	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Phenanthrene	390		39	19	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4
Pyrene	590		98	18	ug/Kg	☼	04/03/13 11:18	04/04/13 21:19	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	115		30 - 130	04/03/13 11:18	04/04/13 21:19	4

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509N-CS

Lab Sample ID: 680-88767-23

Date Collected: 03/26/13 10:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

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	☼	04/03/13 11:18	04/04/13 21:37	1
Acenaphthylene	9.2	J	55	6.9	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Anthracene	19		12	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Benzo[a]anthracene	110		11	5.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Benzo[a]pyrene	76		14	7.2	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Benzo[b]fluoranthene	120		17	8.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Benzo[g,h,i]perylene	62		28	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Benzo[k]fluoranthene	64		11	5.0	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Chrysene	120		12	6.2	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Dibenz(a,h)anthracene	21	J	28	5.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Fluoranthene	140		28	5.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Fluorene	10	J	28	5.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Indeno[1,2,3-cd]pyrene	46		28	9.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
1-Methylnaphthalene	62		55	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
2-Methylnaphthalene	56		55	9.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Naphthalene	60		55	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Phenanthrene	88		11	5.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Pyrene	130		28	5.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	59		30 - 130				04/03/13 11:18	04/04/13 21:37	1

Client Sample ID: CV0509O-CS

Lab Sample ID: 680-88767-24

Date Collected: 03/26/13 10:45

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 65.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	73	J	150	30	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Acenaphthylene	37	J	59	7.4	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Anthracene	140		12	6.2	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Benzo[a]anthracene	520		12	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Benzo[a]pyrene	450		15	7.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Benzo[b]fluoranthene	770		18	9.0	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Benzo[g,h,i]perylene	260		30	6.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Benzo[k]fluoranthene	250		12	5.3	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Chrysene	540		13	6.7	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Dibenz(a,h)anthracene	96		30	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Fluoranthene	1100		30	5.9	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Fluorene	81		30	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Indeno[1,2,3-cd]pyrene	290		30	11	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
1-Methylnaphthalene	160		59	6.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
2-Methylnaphthalene	160		59	11	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Naphthalene	130		59	6.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Phenanthrene	740		12	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Pyrene	910		30	5.5	ug/Kg	☼	04/03/13 11:18	04/04/13 21:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	71		30 - 130				04/03/13 11:18	04/04/13 21:56	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509P-CS

Lab Sample ID: 680-88767-25

Date Collected: 03/26/13 12:30

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 62.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	47	J	160	32	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Acenaphthylene	21	J	64	8.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Anthracene	76		13	6.7	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Benzo[a]anthracene	250		13	6.2	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Benzo[a]pyrene	200		17	8.3	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Benzo[b]fluoranthene	340		20	9.8	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Benzo[g,h,i]perylene	160		32	7.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Benzo[k]fluoranthene	110		13	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Chrysene	240		14	7.2	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Dibenz(a,h)anthracene	49		32	6.6	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Fluoranthene	470		32	6.4	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Fluorene	32		32	6.6	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Indeno[1,2,3-cd]pyrene	140		32	11	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
1-Methylnaphthalene	61	J	64	7.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
2-Methylnaphthalene	51	J	64	11	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Naphthalene	55	J	64	7.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Phenanthrene	320		13	6.2	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Pyrene	370		32	5.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	66		30 - 130				04/03/13 11:18	04/04/13 22:14	1

Client Sample ID: CV0509Q-CS

Lab Sample ID: 680-88767-26

Date Collected: 03/26/13 13:00

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.7

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	☼	04/03/13 11:18	04/04/13 22:33	1
Acenaphthylene	56	U	56	7.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Anthracene	11	J	12	5.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Benzo[a]anthracene	86		11	5.4	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Benzo[a]pyrene	62		15	7.3	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Benzo[b]fluoranthene	93		17	8.5	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Benzo[g,h,i]perylene	43		28	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Benzo[k]fluoranthene	24		11	5.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Chrysene	77		13	6.3	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Dibenz(a,h)anthracene	8.6	J	28	5.7	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Fluoranthene	110		28	5.6	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Fluorene	6.9	J	28	5.7	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Indeno[1,2,3-cd]pyrene	42		28	9.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
1-Methylnaphthalene	16	J	56	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
2-Methylnaphthalene	22	J	56	9.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Naphthalene	25	J	56	6.1	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Phenanthrene	69		11	5.4	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Pyrene	110		28	5.2	ug/Kg	☼	04/03/13 11:18	04/04/13 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	62		30 - 130				04/03/13 11:18	04/04/13 22:33	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509R-CS

Lab Sample ID: 680-88767-27

Date Collected: 03/26/13 13:05

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 74.6

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	☼	04/03/13 11:18	04/04/13 22:51	1
Acenaphthylene	8.0	J	53	6.7	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Anthracene	22		11	5.6	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Benzo[a]anthracene	150		11	5.2	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Benzo[a]pyrene	120		14	7.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Benzo[b]fluoranthene	160		16	8.2	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Benzo[g,h,i]perylene	89		27	5.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Benzo[k]fluoranthene	95		11	4.8	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Chrysene	130		12	6.0	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Dibenz(a,h)anthracene	33		27	5.5	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Fluoranthene	220		27	5.3	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Fluorene	12	J	27	5.5	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Indeno[1,2,3-cd]pyrene	80		27	9.5	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
1-Methylnaphthalene	18	J	53	5.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
2-Methylnaphthalene	37	J	53	9.5	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Naphthalene	28	J	53	5.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Phenanthrene	130		11	5.2	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Pyrene	200		27	4.9	ug/Kg	☼	04/03/13 11:18	04/04/13 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	69		30 - 130				04/03/13 11:18	04/04/13 22:51	1

Client Sample ID: CV0509S-CS

Lab Sample ID: 680-88767-28

Date Collected: 03/26/13 13:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.8

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	27	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Acenaphthylene	11	J	55	6.8	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Anthracene	24		12	5.8	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Benzo[a]anthracene	140		11	5.3	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Benzo[a]pyrene	110		14	7.1	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Benzo[b]fluoranthene	160		17	8.4	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Benzo[g,h,i]perylene	63		27	6.0	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Benzo[k]fluoranthene	67		11	4.9	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Chrysene	100		12	6.2	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Dibenz(a,h)anthracene	28		27	5.6	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Fluoranthene	230		27	5.5	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Fluorene	8.8	J	27	5.6	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Indeno[1,2,3-cd]pyrene	62		27	9.7	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
1-Methylnaphthalene	11	J	55	6.0	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
2-Methylnaphthalene	12	J	55	9.7	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Naphthalene	16	J	55	6.0	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Phenanthrene	91		11	5.3	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Pyrene	180		27	5.1	ug/Kg	☼	04/03/13 11:18	04/04/13 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	64		30 - 130				04/03/13 11:18	04/04/13 23:09	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Date Collected: 03/26/13 13:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

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	☼	04/03/13 13:44	04/04/13 14:35	1
Acenaphthylene	60	U	60	7.6	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Anthracene	65		13	6.3	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Benzo[a]anthracene	320		12	5.9	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Benzo[a]pyrene	310		16	7.9	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Benzo[b]fluoranthene	360		18	9.2	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Benzo[g,h,i]perylene	160		30	6.6	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Benzo[k]fluoranthene	210		12	5.4	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Chrysene	300		14	6.8	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Dibenz(a,h)anthracene	44		30	6.2	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Fluoranthene	560		30	6.0	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Fluorene	28	J	30	6.2	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Indeno[1,2,3-cd]pyrene	160		30	11	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
1-Methylnaphthalene	45	J	60	6.6	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
2-Methylnaphthalene	56	J	60	11	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Naphthalene	37	J	60	6.6	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Phenanthrene	260		12	5.9	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Pyrene	450		30	5.6	ug/Kg	☼	04/03/13 13:44	04/04/13 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	80		30 - 130				04/03/13 13:44	04/04/13 14:35	1

Client Sample ID: CV0509T-CSD

Lab Sample ID: 680-88767-30

Date Collected: 03/26/13 13:25

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	260	J	510	100	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Acenaphthylene	69	J	210	26	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Anthracene	540		43	22	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Benzo[a]anthracene	2200		41	20	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Benzo[a]pyrene	1700		53	27	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Benzo[b]fluoranthene	2800		63	31	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Benzo[g,h,i]perylene	1100		100	23	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Benzo[k]fluoranthene	1000		41	19	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Chrysene	2100		46	23	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Dibenz(a,h)anthracene	330		100	21	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Fluoranthene	4400		100	21	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Fluorene	200		100	21	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Indeno[1,2,3-cd]pyrene	1200		100	36	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
1-Methylnaphthalene	230		210	23	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
2-Methylnaphthalene	260		210	36	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Naphthalene	180	J	210	23	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Phenanthrene	2200		41	20	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Pyrene	3500		100	19	ug/Kg	☼	04/03/13 13:44	04/04/13 14:53	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	100		30 - 130				04/03/13 13:44	04/04/13 14:53	4

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509U-CS

Lab Sample ID: 680-88767-31

Date Collected: 03/26/13 13:32

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	470	U	470	94	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Acenaphthylene	39	J	190	24	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Anthracene	57		40	20	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Benzo[a]anthracene	430		38	18	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Benzo[a]pyrene	400		49	25	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Benzo[b]fluoranthene	640		58	29	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Benzo[g,h,i]perylene	340		94	21	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Benzo[k]fluoranthene	230		38	17	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Chrysene	400		42	21	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Dibenz(a,h)anthracene	130		94	19	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Fluoranthene	620		94	19	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Fluorene	33	J	94	19	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Indeno[1,2,3-cd]pyrene	280		94	34	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
1-Methylnaphthalene	52	J	190	21	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
2-Methylnaphthalene	74	J	190	34	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Naphthalene	70	J	190	21	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Phenanthrene	400		38	18	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Pyrene	510		94	17	ug/Kg	☼	04/03/13 15:12	04/05/13 14:07	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	104		30 - 130				04/03/13 15:12	04/05/13 14:07	4

Client Sample ID: CV0509V-CS

Lab Sample ID: 680-88767-32

Date Collected: 03/26/13 13:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	28	J	140	28	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Acenaphthylene	14	J	56	6.9	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Anthracene	64		12	5.8	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Benzo[a]anthracene	330		11	5.4	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Benzo[a]pyrene	260		14	7.2	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Benzo[b]fluoranthene	410		17	8.5	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Benzo[g,h,i]perylene	190		28	6.1	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Benzo[k]fluoranthene	150		11	5.0	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Chrysene	310		12	6.2	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Dibenz(a,h)anthracene	60		28	5.7	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Fluoranthene	690		28	5.6	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Fluorene	27	J	28	5.7	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Indeno[1,2,3-cd]pyrene	180		28	9.9	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
1-Methylnaphthalene	31	J	56	6.1	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
2-Methylnaphthalene	42	J	56	9.9	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Naphthalene	42	J	56	6.1	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Phenanthrene	430		11	5.4	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Pyrene	520		28	5.1	ug/Kg	☼	04/03/13 15:12	04/05/13 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	71		30 - 130				04/03/13 15:12	04/05/13 14:26	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509W-CS

Lab Sample ID: 680-88767-33

Date Collected: 03/26/13 13:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	29	J	120	25	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Acenaphthylene	17	J	50	6.2	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Anthracene	75		10	5.2	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Benzo[a]anthracene	280		10	4.9	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Benzo[a]pyrene	220		13	6.5	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Benzo[b]fluoranthene	380		15	7.6	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Benzo[g,h,i]perylene	160		25	5.5	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Benzo[k]fluoranthene	130		10	4.5	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Chrysene	260		11	5.6	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Dibenz(a,h)anthracene	50		25	5.1	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Fluoranthene	550		25	5.0	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Fluorene	20	J	25	5.1	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Indeno[1,2,3-cd]pyrene	140		25	8.8	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
1-Methylnaphthalene	34	J	50	5.5	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
2-Methylnaphthalene	32	J	50	8.8	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Naphthalene	44	J	50	5.5	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Phenanthrene	270		10	4.9	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Pyrene	430		25	4.6	ug/Kg	☼	04/03/13 15:12	04/05/13 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	74		30 - 130				04/03/13 15:12	04/05/13 14:44	1

Client Sample ID: CV0509X-CS

Lab Sample ID: 680-88767-34

Date Collected: 03/26/13 13:42

Matrix: Solid

Date Received: 03/28/13 09:37

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	220		140	27	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Acenaphthylene	25	J	55	6.9	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Anthracene	500		12	5.8	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Benzo[a]anthracene	1800		11	5.3	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Benzo[a]pyrene	1400		14	7.1	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Benzo[b]fluoranthene	2000		17	8.4	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Benzo[g,h,i]perylene	810		27	6.0	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Benzo[k]fluoranthene	1100		11	4.9	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Chrysene	1700		12	6.2	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Dibenz(a,h)anthracene	270		27	5.6	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Fluorene	190		27	5.6	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Indeno[1,2,3-cd]pyrene	780		27	9.7	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
1-Methylnaphthalene	52	J	55	6.0	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
2-Methylnaphthalene	110		55	9.7	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Naphthalene	160		55	6.0	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Phenanthrene	2400		11	5.3	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Pyrene	3300		27	5.1	ug/Kg	☼	04/03/13 15:12	04/05/13 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	67		30 - 130				04/03/13 15:12	04/05/13 15:02	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509X-CS

Lab Sample ID: 680-88767-34

Date Collected: 03/26/13 13:42

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5300		110	22	ug/Kg	☼	04/03/13 15:12	04/09/13 13:05	4

Client Sample ID: CV0509Y-CS

Lab Sample ID: 680-88767-35

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	550	U	550	110	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Acenaphthylene	52	J	220	27	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Anthracene	77		46	23	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Benzo[a]anthracene	410		44	21	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Benzo[a]pyrene	350		57	29	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Benzo[b]fluoranthene	530		67	33	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Benzo[g,h,i]perylene	280		110	24	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Benzo[k]fluoranthene	230		44	20	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Chrysene	550		49	25	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Dibenz(a,h)anthracene	140		110	22	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Fluoranthene	460		110	22	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Fluorene	110	U	110	22	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Indeno[1,2,3-cd]pyrene	230		110	39	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
1-Methylnaphthalene	300		220	24	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
2-Methylnaphthalene	290		220	39	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Naphthalene	250		220	24	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Phenanthrene	490		44	21	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4
Pyrene	470		110	20	ug/Kg	☼	04/03/13 15:12	04/05/13 15:21	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		30 - 130	04/03/13 15:12	04/05/13 15:21	4

Client Sample ID: CV0509Z-CS

Lab Sample ID: 680-88767-36

Date Collected: 03/26/13 14:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

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	☼	04/03/13 15:12	04/05/13 15:39	1
Acenaphthylene	60	U	60	7.5	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Anthracene	10	J	13	6.3	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Benzo[a]anthracene	69		12	5.8	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Benzo[a]pyrene	38		16	7.8	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Benzo[b]fluoranthene	60		18	9.1	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Benzo[g,h,i]perylene	26	J	30	6.6	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Benzo[k]fluoranthene	22		12	5.4	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Chrysene	67		13	6.7	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Dibenz(a,h)anthracene	12	J	30	6.1	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Fluoranthene	78		30	6.0	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Fluorene	8.9	J	30	6.1	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Indeno[1,2,3-cd]pyrene	22	J	30	11	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
1-Methylnaphthalene	33	J	60	6.6	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509Z-CS

Lab Sample ID: 680-88767-36

Date Collected: 03/26/13 14:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	45	J	60	11	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Naphthalene	42	J	60	6.6	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Phenanthrene	65		12	5.8	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
Pyrene	66		30	5.5	ug/Kg	☼	04/03/13 15:12	04/05/13 15:39	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	67		30 - 130				04/03/13 15:12	04/05/13 15:39	1

Client Sample ID: CV0509AA-CS

Lab Sample ID: 680-88767-37

Date Collected: 03/26/13 14:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	520	U	520	100	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Acenaphthylene	36	J	210	26	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Anthracene	52		44	22	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Benzo[a]anthracene	220		42	20	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Benzo[a]pyrene	170		54	27	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Benzo[b]fluoranthene	290		64	32	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Benzo[g,h,i]perylene	160		100	23	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Benzo[k]fluoranthene	87		42	19	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Chrysene	280		47	24	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Dibenz(a,h)anthracene	60	J	100	21	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Fluoranthene	280		100	21	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Fluorene	100	U	100	21	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Indeno[1,2,3-cd]pyrene	120		100	37	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
1-Methylnaphthalene	110	J	210	23	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
2-Methylnaphthalene	130	J	210	37	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Naphthalene	94	J	210	23	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Phenanthrene	200		42	20	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
Pyrene	240		100	19	ug/Kg	☼	04/03/13 15:12	04/05/13 15:57	4
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>o-Terphenyl</i>	87		30 - 130				04/03/13 15:12	04/05/13 15:57	4

Client Sample ID: CV0509BB-CS

Lab Sample ID: 680-88767-38

Date Collected: 03/26/13 14:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	510	U	510	100	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Acenaphthylene	200	U	200	26	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Anthracene	78		43	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Benzo[a]anthracene	530		41	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Benzo[a]pyrene	360		53	27	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Benzo[b]fluoranthene	710		62	31	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Benzo[g,h,i]perylene	350		100	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Benzo[k]fluoranthene	230		41	18	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509BB-CS

Lab Sample ID: 680-88767-38

Date Collected: 03/26/13 14:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	410		46	23	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Dibenz(a,h)anthracene	110		100	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Fluoranthene	710		100	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Fluorene	24	J	100	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Indeno[1,2,3-cd]pyrene	260		100	36	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
1-Methylnaphthalene	90	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
2-Methylnaphthalene	82	J	200	36	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Naphthalene	90	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Phenanthrene	380		41	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Pyrene	580		100	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:20	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		30 - 130				04/03/13 15:12	04/05/13 16:20	4

Client Sample ID: CV0509CC-CS

Lab Sample ID: 680-88767-39

Date Collected: 03/26/13 14:46

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Acenaphthylene	200	U	200	25	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Anthracene	71		41	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[a]anthracene	410		39	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[a]pyrene	330		51	25	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[b]fluoranthene	630		60	30	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[g,h,i]perylene	320		98	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Benzo[k]fluoranthene	170		39	18	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Chrysene	440		44	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Dibenz(a,h)anthracene	110		98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Fluoranthene	530		98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Fluorene	26	J	98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Indeno[1,2,3-cd]pyrene	250		98	35	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
1-Methylnaphthalene	98	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
2-Methylnaphthalene	59	J	200	35	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Naphthalene	93	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Phenanthrene	340		39	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Pyrene	490		98	18	ug/Kg	☼	04/03/13 15:12	04/05/13 16:38	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	96		30 - 130				04/03/13 15:12	04/05/13 16:38	4

Client Sample ID: CV0509CC-CSD

Lab Sample ID: 680-88767-40

Date Collected: 03/26/13 14:48

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	490	U	490	98	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Acenaphthylene	200	U	200	25	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509CC-CSD

Lab Sample ID: 680-88767-40

Date Collected: 03/26/13 14:48

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	57		41	21	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Benzo[a]anthracene	380		39	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Benzo[a]pyrene	340		51	26	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Benzo[b]fluoranthene	550		60	30	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Benzo[g,h,i]perylene	350		98	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Benzo[k]fluoranthene	220		39	18	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Chrysene	350		44	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Dibenz(a,h)anthracene	120		98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Fluoranthene	520		98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Fluorene	30	J	98	20	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Indeno[1,2,3-cd]pyrene	220		98	35	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
1-Methylnaphthalene	54	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
2-Methylnaphthalene	120	J	200	35	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Naphthalene	71	J	200	22	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Phenanthrene	300		39	19	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Pyrene	450		98	18	ug/Kg	☼	04/03/13 15:12	04/05/13 16:57	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	81		30 - 130				04/03/13 15:12	04/05/13 16:57	4

QC Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

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

Lab Sample ID: MB 660-136072/1-A

Matrix: Solid

Analysis Batch: 136131

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136072

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	99	U	99	20	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Acenaphthylene	40	U	40	4.9	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Anthracene	8.3	U	8.3	4.2	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Benzo[a]anthracene	7.9	U	7.9	3.9	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Benzo[a]pyrene	10	U	10	5.1	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Benzo[b]fluoranthene	12	U	12	6.0	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Benzo[g,h,i]perylene	20	U	20	4.4	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Benzo[k]fluoranthene	7.9	U	7.9	3.6	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Chrysene	8.9	U	8.9	4.4	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Dibenz(a,h)anthracene	20	U	20	4.1	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Fluoranthene	20	U	20	4.0	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Fluorene	20	U	20	4.1	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Indeno[1,2,3-cd]pyrene	20	U	20	7.0	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
1-Methylnaphthalene	40	U	40	4.4	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
2-Methylnaphthalene	40	U	40	7.0	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Naphthalene	40	U	40	4.4	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Phenanthrene	7.9	U	7.9	3.9	ug/Kg		04/03/13 11:18	04/04/13 16:07	1
Pyrene	20	U	20	3.7	ug/Kg		04/03/13 11:18	04/04/13 16:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	87		30 - 130	04/03/13 11:18	04/04/13 16:07	1

Lab Sample ID: LCS 660-136072/2-A

Matrix: Solid

Analysis Batch: 136131

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136072

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	657	472		ug/Kg		72	39 - 130
Acenaphthylene	657	556		ug/Kg		85	38 - 130
Anthracene	657	514		ug/Kg		78	37 - 130
Benzo[a]anthracene	657	596		ug/Kg		91	40 - 130
Benzo[a]pyrene	657	519		ug/Kg		79	49 - 130
Benzo[b]fluoranthene	657	559		ug/Kg		85	37 - 130
Benzo[g,h,i]perylene	657	504		ug/Kg		77	32 - 130
Benzo[k]fluoranthene	657	551		ug/Kg		84	32 - 130
Chrysene	657	564		ug/Kg		86	41 - 130
Dibenz(a,h)anthracene	657	538		ug/Kg		82	27 - 130
Fluoranthene	657	599		ug/Kg		91	40 - 130
Fluorene	657	514		ug/Kg		78	40 - 130
Indeno[1,2,3-cd]pyrene	657	486		ug/Kg		74	30 - 130
1-Methylnaphthalene	657	656		ug/Kg		100	31 - 130
2-Methylnaphthalene	657	536		ug/Kg		81	33 - 130
Naphthalene	657	565		ug/Kg		86	36 - 130
Phenanthrene	657	552		ug/Kg		84	42 - 130
Pyrene	657	602		ug/Kg		92	44 - 130

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

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

Lab Sample ID: LCS 660-136072/2-A
Matrix: Solid
Analysis Batch: 136131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136072

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	79		30 - 130

Lab Sample ID: MB 660-136083/1-A
Matrix: Solid
Analysis Batch: 136131

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136083

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	100	U	100	20	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Acenaphthylene	40	U	40	5.0	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Anthracene	8.4	U	8.4	4.2	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Benzo[a]anthracene	8.0	U	8.0	3.9	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Benzo[a]pyrene	10	U	10	5.2	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Benzo[b]fluoranthene	12	U	12	6.1	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Benzo[g,h,i]perylene	20	U	20	4.4	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Benzo[k]fluoranthene	8.0	U	8.0	3.6	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Chrysene	9.0	U	9.0	4.5	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Dibenz(a,h)anthracene	20	U	20	4.1	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Fluoranthene	20	U	20	4.0	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Fluorene	20	U	20	4.1	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Indeno[1,2,3-cd]pyrene	20	U	20	7.1	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
1-Methylnaphthalene	40	U	40	4.4	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
2-Methylnaphthalene	40	U	40	7.1	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Naphthalene	40	U	40	4.4	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Phenanthrene	8.0	U	8.0	3.9	ug/Kg		04/03/13 13:44	04/04/13 12:26	1
Pyrene	20	U	20	3.7	ug/Kg		04/03/13 13:44	04/04/13 12:26	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl	75		30 - 130	04/03/13 13:44	04/04/13 12:26	1

Lab Sample ID: LCS 660-136083/2-A
Matrix: Solid
Analysis Batch: 136131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136083

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acenaphthene	652	464		ug/Kg		71	39 - 130
Acenaphthylene	652	516		ug/Kg		79	38 - 130
Anthracene	652	565		ug/Kg		87	37 - 130
Benzo[a]anthracene	652	560		ug/Kg		86	40 - 130
Benzo[a]pyrene	652	496		ug/Kg		76	49 - 130
Benzo[b]fluoranthene	652	538		ug/Kg		82	37 - 130
Benzo[g,h,i]perylene	652	522		ug/Kg		80	32 - 130
Benzo[k]fluoranthene	652	549		ug/Kg		84	32 - 130
Chrysene	652	535		ug/Kg		82	41 - 130
Dibenz(a,h)anthracene	652	572		ug/Kg		88	27 - 130
Fluoranthene	652	587		ug/Kg		90	40 - 130
Fluorene	652	518		ug/Kg		80	40 - 130
Indeno[1,2,3-cd]pyrene	652	502		ug/Kg		77	30 - 130
1-Methylnaphthalene	652	601		ug/Kg		92	31 - 130

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

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

Lab Sample ID: LCS 660-136083/2-A

Matrix: Solid

Analysis Batch: 136131

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	652	524		ug/Kg		80	33 - 130
Naphthalene	652	491		ug/Kg		75	36 - 130
Phenanthrene	652	550		ug/Kg		84	42 - 130
Pyrene	652	514		ug/Kg		79	44 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl	95		30 - 130

Lab Sample ID: 680-88767-21 MS

Matrix: Solid

Analysis Batch: 136131

Client Sample ID: CV0509L-CS

Prep Type: Total/NA

Prep Batch: 136083

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	140	U	916	704		ug/Kg	☼	77	39 - 130
Acenaphthylene	13	J	916	705		ug/Kg	☼	76	38 - 130
Anthracene	43		916	781		ug/Kg	☼	81	37 - 130
Benzo[a]anthracene	260		916	971		ug/Kg	☼	77	40 - 130
Benzo[a]pyrene	240		916	837		ug/Kg	☼	65	49 - 130
Benzo[b]fluoranthene	320		916	1070		ug/Kg	☼	81	37 - 130
Benzo[g,h,i]perylene	200		916	793		ug/Kg	☼	65	32 - 130
Benzo[k]fluoranthene	160		916	832		ug/Kg	☼	73	32 - 130
Chrysene	240		916	905		ug/Kg	☼	73	41 - 130
Dibenz(a,h)anthracene	58		916	761		ug/Kg	☼	77	27 - 130
Fluoranthene	440		916	1220		ug/Kg	☼	85	40 - 130
Fluorene	9.8	J	916	709		ug/Kg	☼	76	40 - 130
Indeno[1,2,3-cd]pyrene	160		916	769		ug/Kg	☼	66	30 - 130
1-Methylnaphthalene	33	J	916	778		ug/Kg	☼	81	31 - 130
2-Methylnaphthalene	29	J	916	716		ug/Kg	☼	75	33 - 130
Naphthalene	20	J	916	672		ug/Kg	☼	71	36 - 130
Phenanthrene	180		916	1020		ug/Kg	☼	91	42 - 130
Pyrene	350		916	1120		ug/Kg	☼	84	44 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>o</i> -Terphenyl	76		30 - 130

Lab Sample ID: 680-88767-21 MSD

Matrix: Solid

Analysis Batch: 136131

Client Sample ID: CV0509L-CS

Prep Type: Total/NA

Prep Batch: 136083

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	140	U	910	542		ug/Kg	☼	60	39 - 130	26	40
Acenaphthylene	13	J	910	622		ug/Kg	☼	67	38 - 130	12	40
Anthracene	43		910	612		ug/Kg	☼	63	37 - 130	24	40
Benzo[a]anthracene	260		910	813		ug/Kg	☼	60	40 - 130	18	40
Benzo[a]pyrene	240		910	732		ug/Kg	☼	54	49 - 130	13	40
Benzo[b]fluoranthene	320		910	816		ug/Kg	☼	54	37 - 130	27	40
Benzo[g,h,i]perylene	200		910	702		ug/Kg	☼	55	32 - 130	12	40
Benzo[k]fluoranthene	160		910	874		ug/Kg	☼	78	32 - 130	5	40

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

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

Lab Sample ID: 680-88767-21 MSD

Matrix: Solid

Analysis Batch: 136131

Client Sample ID: CV0509L-CS

Prep Type: Total/NA

Prep Batch: 136083

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chrysene	240		910	767		ug/Kg	*	58	41 - 130	17	40
Dibenz(a,h)an hracene	58		910	683		ug/Kg	*	69	27 - 130	11	40
Fluoranthene	440		910	978		ug/Kg	*	59	40 - 130	22	40
Fluorene	9 8	J	910	601		ug/Kg	*	65	40 - 130	17	40
Indeno[1,2,3-cd]pyrene	160		910	703		ug/Kg	*	59	30 - 130	9	40
1-Methylnaphthalene	33	J	910	626		ug/Kg	*	65	31 - 130	22	40
2-Methylnaphthalene	29	J	910	569		ug/Kg	*	59	33 - 130	23	40
Naphthalene	20	J	910	537		ug/Kg	*	57	36 - 130	22	40
Phenanthrene	180		910	801		ug/Kg	*	68	42 - 130	24	40
Pyrene	350		910	893		ug/Kg	*	60	44 - 130	22	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
<i>o</i> -Terphenyl	66		30 - 130

Lab Sample ID: MB 660-136087/1-A

Matrix: Solid

Analysis Batch: 136171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136087

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	100	U	100	20	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Acenaphthylene	40	U	40	5.0	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Anthracene	8.4	U	8.4	4.2	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Benzo[a]anthracene	8.0	U	8.0	3.9	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Benzo[a]pyrene	10	U	10	5.2	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Benzo[b]fluoranthene	12	U	12	6.1	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Benzo[g,h,i]perylene	20	U	20	4.4	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Benzo[k]fluoranthene	8.0	U	8.0	3.6	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Chrysene	9.0	U	9.0	4.5	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Dibenz(a,h)an hracene	20	U	20	4.1	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Fluoranthene	20	U	20	4.0	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Fluorene	20	U	20	4.1	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Indeno[1,2,3-cd]pyrene	20	U	20	7.1	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
1-Methylnaphthalene	40	U	40	4.4	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
2-Methylnaphthalene	40	U	40	7.1	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Naphthalene	40	U	40	4.4	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Phenanthrene	8.0	U	8.0	3.9	ug/Kg		04/03/13 15:12	04/05/13 13:31	1
Pyrene	20	U	20	3.7	ug/Kg		04/03/13 15:12	04/05/13 13:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	69		30 - 130	04/03/13 15:12	04/05/13 13:31	1

Lab Sample ID: LCS 660-136087/2-A

Matrix: Solid

Analysis Batch: 136171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136087

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Acenaphthene	651	495		ug/Kg		76	39 - 130
Acenaphthylene	651	455		ug/Kg		70	38 - 130

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

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

Lab Sample ID: LCS 660-136087/2-A

Matrix: Solid

Analysis Batch: 136171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	651	452		ug/Kg		69	37 - 130
Benzo[a]anthracene	651	503		ug/Kg		77	40 - 130
Benzo[a]pyrene	651	454		ug/Kg		70	49 - 130
Benzo[b]fluoranthene	651	483		ug/Kg		74	37 - 130
Benzo[g,h,i]perylene	651	478		ug/Kg		73	32 - 130
Benzo[k]fluoranthene	651	523		ug/Kg		80	32 - 130
Chrysene	651	449		ug/Kg		69	41 - 130
Dibenz(a,h)anthracene	651	529		ug/Kg		81	27 - 130
Fluoranthene	651	534		ug/Kg		82	40 - 130
Fluorene	651	517		ug/Kg		79	40 - 130
Indeno[1,2,3-cd]pyrene	651	456		ug/Kg		70	30 - 130
1-Methylnaphthalene	651	530		ug/Kg		81	31 - 130
2-Methylnaphthalene	651	447		ug/Kg		69	33 - 130
Naphthalene	651	455		ug/Kg		70	36 - 130
Phenanthrene	651	461		ug/Kg		71	42 - 130
Pyrene	651	496		ug/Kg		76	44 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl	77		30 - 130

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

QC Association Summary

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

GC/MS Semi VOA

Prep Batch: 136072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-22	CV0509M-CS	Total/NA	Solid	3546	
680-88767-23	CV0509N-CS	Total/NA	Solid	3546	
680-88767-24	CV0509O-CS	Total/NA	Solid	3546	
680-88767-25	CV0509P-CS	Total/NA	Solid	3546	
680-88767-26	CV0509Q-CS	Total/NA	Solid	3546	
680-88767-27	CV0509R-CS	Total/NA	Solid	3546	
680-88767-28	CV0509S-CS	Total/NA	Solid	3546	
LCS 660-136072/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136072/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch 136083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-21	CV0509L-CS	Total/NA	Solid	3546	
680-88767-21 MS	CV0509L-CS	Total/NA	Solid	3546	
680-88767-21 MSD	CV0509L-CS	Total/NA	Solid	3546	
680-88767-29	CV0509T-CS	Total/NA	Solid	3546	
680-88767-30	CV0509T-CSD	Total/NA	Solid	3546	
LCS 660-136083/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136083/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 136087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-31	CV0509U-CS	Total/NA	Solid	3546	
680-88767-32	CV0509V-CS	Total/NA	Solid	3546	
680-88767-33	CV0509W-CS	Total/NA	Solid	3546	
680-88767-34	CV0509X-CS	Total/NA	Solid	3546	
680-88767-34 - DL	CV0509X-CS	Total/NA	Solid	3546	
680-88767-35	CV0509Y-CS	Total/NA	Solid	3546	
680-88767-36	CV0509Z-CS	Total/NA	Solid	3546	
680-88767-37	CV0509AA-CS	Total/NA	Solid	3546	
680-88767-38	CV0509BB-CS	Total/NA	Solid	3546	
680-88767-39	CV0509CC-CS	Total/NA	Solid	3546	
680-88767-40	CV0509CC-CSD	Total/NA	Solid	3546	
LCS 660-136087/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136087/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 136131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-21	CV0509L-CS	Total/NA	Solid	8270C LL	136083
680-88767-21 MS	CV0509L-CS	Total/NA	Solid	8270C LL	136083
680-88767-21 MSD	CV0509L-CS	Total/NA	Solid	8270C LL	136083
680-88767-22	CV0509M-CS	Total/NA	Solid	8270C LL	136072
680-88767-23	CV0509N-CS	Total/NA	Solid	8270C LL	136072
680-88767-24	CV0509O-CS	Total/NA	Solid	8270C LL	136072
680-88767-25	CV0509P-CS	Total/NA	Solid	8270C LL	136072
680-88767-26	CV0509Q-CS	Total/NA	Solid	8270C LL	136072
680-88767-27	CV0509R-CS	Total/NA	Solid	8270C LL	136072
680-88767-28	CV0509S-CS	Total/NA	Solid	8270C LL	136072
680-88767-29	CV0509T-CS	Total/NA	Solid	8270C LL	136083
680-88767-30	CV0509T-CSD	Total/NA	Solid	8270C LL	136083
LCS 660-136072/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136072

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

GC/MS Semi VOA (Continued)

Analysis Batch: 136131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-136083/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136083
MB 660-136072/1-A	Method Blank	Total/NA	Solid	8270C LL	136072
MB 660-136083/1-A	Method Blank	Total/NA	Solid	8270C LL	136083

Analysis Batch: 136171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-31	CV0509U-CS	Total/NA	Solid	8270C LL	136087
680-88767-32	CV0509V-CS	Total/NA	Solid	8270C LL	136087
680-88767-33	CV0509W-CS	Total/NA	Solid	8270C LL	136087
680-88767-34	CV0509X-CS	Total/NA	Solid	8270C LL	136087
680-88767-35	CV0509Y-CS	Total/NA	Solid	8270C LL	136087
680-88767-36	CV0509Z-CS	Total/NA	Solid	8270C LL	136087
680-88767-37	CV0509AA-CS	Total/NA	Solid	8270C LL	136087
680-88767-38	CV0509BB-CS	Total/NA	Solid	8270C LL	136087
680-88767-39	CV0509CC-CS	Total/NA	Solid	8270C LL	136087
680-88767-40	CV0509CC-CSD	Total/NA	Solid	8270C LL	136087
LCS 660-136087/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136087
MB 660-136087/1-A	Method Blank	Total/NA	Solid	8270C LL	136087

Analysis Batch: 136263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-34 - DL	CV0509X-CS	Total/NA	Solid	8270C LL	136087

General Chemistry

Analysis Batch: 135922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-21	CV0509L-CS	Total/NA	Solid	Moisture	
680-88767-21 MS	CV0509L-CS	Total/NA	Solid	Moisture	
680-88767-21 MSD	CV0509L-CS	Total/NA	Solid	Moisture	
680-88767-22	CV0509M-CS	Total/NA	Solid	Moisture	
680-88767-23	CV0509N-CS	Total/NA	Solid	Moisture	
680-88767-24	CV0509O-CS	Total/NA	Solid	Moisture	
680-88767-26	CV0509Q-CS	Total/NA	Solid	Moisture	
680-88767-27	CV0509R-CS	Total/NA	Solid	Moisture	
680-88767-28	CV0509S-CS	Total/NA	Solid	Moisture	
680-88767-29	CV0509T-CS	Total/NA	Solid	Moisture	
680-88767-30	CV0509T-CSD	Total/NA	Solid	Moisture	
680-88767-31	CV0509U-CS	Total/NA	Solid	Moisture	
680-88767-33	CV0509W-CS	Total/NA	Solid	Moisture	
680-88767-34	CV0509X-CS	Total/NA	Solid	Moisture	
680-88767-35	CV0509Y-CS	Total/NA	Solid	Moisture	
680-88767-37	CV0509AA-CS	Total/NA	Solid	Moisture	
680-88767-38	CV0509BB-CS	Total/NA	Solid	Moisture	
680-88767-39	CV0509CC-CS	Total/NA	Solid	Moisture	
680-88767-40	CV0509CC-CSD	Total/NA	Solid	Moisture	

Analysis Batch: 135936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-25	CV0509P-CS	Total/NA	Solid	Moisture	

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-88767-2
SDG: 68088767-2

General Chemistry (Continued)

Analysis Batch: 135936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88767-32	CV0509V-CS	Total/NA	Solid	Moisture	
680-88767-36	CV0509Z-CS	Total/NA	Solid	Moisture	
LCS 660-135936/1	Lab Control Sample	Total/NA	Solid	Moisture	
LCSD 660-135936/21	Lab Control Sample Dup	Total/NA	Solid	Moisture	

1

2

3

4

5

6

7

8

9

10

11

12

Lab Chronicle

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509L-CS

Lab Sample ID: 680-88767-21

Date Collected: 03/26/13 10:22

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136083	04/03/13 13:44	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 13:03	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509M-CS

Lab Sample ID: 680-88767-22

Date Collected: 03/26/13 10:34

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136072	04/03/13 11:18	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136131	04/04/13 21:19	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509N-CS

Lab Sample ID: 680-88767-23

Date Collected: 03/26/13 10:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136072	04/03/13 11:18	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 21:37	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509O-CS

Lab Sample ID: 680-88767-24

Date Collected: 03/26/13 10:45

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 65.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136072	04/03/13 11:18	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 21:56	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509P-CS

Lab Sample ID: 680-88767-25

Date Collected: 03/26/13 12:30

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 62.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136072	04/03/13 11:18	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 22:14	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135936	03/29/13 10:33	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509Q-CS

Lab Sample ID: 680-88767-26

Date Collected: 03/26/13 13:00

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136072	04/03/13 11:18	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 22:33	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509R-CS

Lab Sample ID: 680-88767-27

Date Collected: 03/26/13 13:05

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 74.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136072	04/03/13 11:18	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 22:51	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509S-CS

Lab Sample ID: 680-88767-28

Date Collected: 03/26/13 13:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136072	04/03/13 11:18	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 23:09	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509T-CS

Lab Sample ID: 680-88767-29

Date Collected: 03/26/13 13:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136083	04/03/13 13:44	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	136131	04/04/13 14:35	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509T-CSD

Lab Sample ID: 680-88767-30

Date Collected: 03/26/13 13:25

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136083	04/03/13 13:44	RN	TAL TAM
Total/NA	Analysis	8270C LL		4	136131	04/04/13 14:53	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509U-CS

Lab Sample ID: 680-88767-31

Date Collected: 03/26/13 13:32

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136171	04/05/13 14:07	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509V-CS

Lab Sample ID: 680-88767-32

Date Collected: 03/26/13 13:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136171	04/05/13 14:26	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135936	03/29/13 10:58	AG	TAL TAM

Client Sample ID: CV0509W-CS

Lab Sample ID: 680-88767-33

Date Collected: 03/26/13 13:40

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136171	04/05/13 14:44	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509X-CS

Lab Sample ID: 680-88767-34

Date Collected: 03/26/13 13:42

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136171	04/05/13 15:02	SCC	TAL TAM
Total/NA	Prep	3546	DL		136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL	DL	4	136263	04/09/13 13:05	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509Y-CS

Lab Sample ID: 680-88767-35

Date Collected: 03/26/13 14:10

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136171	04/05/13 15:21	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

TestAmerica Savannah

Lab Chronicle

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

TestAmerica Job ID: 680-88767-2
 SDG: 68088767-2

Client Sample ID: CV0509Z-CS

Lab Sample ID: 680-88767-36

Date Collected: 03/26/13 14:15

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136171	04/05/13 15:39	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135936	03/29/13 10:30	AG	TAL TAM

Client Sample ID: CV0509AA-CS

Lab Sample ID: 680-88767-37

Date Collected: 03/26/13 14:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136171	04/05/13 15:57	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509BB-CS

Lab Sample ID: 680-88767-38

Date Collected: 03/26/13 14:35

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136171	04/05/13 16:20	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509CC-CS

Lab Sample ID: 680-88767-39

Date Collected: 03/26/13 14:46

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136171	04/05/13 16:38	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0509CC-CSD

Lab Sample ID: 680-88767-40

Date Collected: 03/26/13 14:48

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136087	04/03/13 15:12	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136171	04/05/13 16:57	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

TestAmerica Savannah

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 2 OF 5
TAL (LAB) PROJECT MANAGER Lisa Harvey	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH SVOC Metals PRESERVATIVE	STANDARD REPORT DELIVERY <input type="radio"/>
CLIENT FAX					DATE DUE _____

(b) (6)
(b) (6)

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS		
								1	2	3	4	5	6	7	8	9	10		11	12
3-26-13	0945	CV0509 E - CS	C	X			X													
	0955	CV0509 F - CS	C	X			X													
	0958	CV0509 G - CS	C	X			X	X												
	1005	CV0509 H - CS	C	X			X													
	1007	CV0509 I - CS	C	X			X													
	1012	CV0509 J - CS	C	X			X													
	1018	CV0509 K - CS	C	X			X													
	1020	CV0509 K - CSD	C	X			X													
	1022	CV0509 L - CS	C	X			X													
	1034	CV0509 M - CS	C	X			X													
	1040	CV0509 N - CS	C	X			X													
	1045	CV0509 O - CS	C	X			X													

Page 29 of 35

4/9/2013

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-26-13	TIME 1400	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 03/26/13	TIME 0937	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-88767	LABORATORY REMARKS 1.4c
---	------------------	--------------	---	------------------	-----------------------------------	-----------------------------------



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>200S148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS	PAGE <i>3</i>	OF <i>5</i>
--	------------------------------------	---------------------------------------	-------------	-------------------	------------------	----------------

TAL (LAB) PROJECT MANAGER <i>Kisa Harven</i>	P.O. NUMBER <i>2</i>	CONTRACT NO.	CONTRACT FAX	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____
---	-------------------------	--------------	--------------	---	----------------

CLIENT ADDRESS	COMPANY CONTRACTING THIS WORK (if applicable)	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER) SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	SVOC	Metals	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
----------------	---	------------------------------------	------------------------------------	-----	---------------------------------------	--------	------	--------	--	----------------

NUMBER OF CONTAINERS SUBMITTED	REMARKS	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
--------------------------------	---------	---

DATE	TIME	SAMPLE IDENTIFICATION	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3-26-13	1230	Cvφ5φ9 P - CS	C	X		X															
	1300	Cvφ5φ9 Q - CS	C	X		X															
	1305	Cvφ5φ9 R - CS	C	X		X															
	1315	Cvφ5φ9 S - CS	C	X		X															
	1320	Cvφ5φ9 T - CS	C	X		X			X												
	1325	Cvφ5φ9 T - CSD	C	X		X			X												
	1332	Cvφ5φ9 U - CS	C	X		X															
	1335	Cvφ5φ9 V - CS	C	X		X															
	1340	Cvφ5φ9 W - CS	C	X		X															
	1342	Cvφ5φ9 X - CS	C	X		X															
	1410	Cvφ5φ9 Y - CS	C	X		X															
	1415	Cvφ5φ9 Z - CS	C	X		X															

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>3-27-13</i>	TIME <i>1400</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

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>03/28/13</i>	TIME <i>0937</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>88767</i>	LABORATORY REMARKS <i>1-4c</i>
---	-------------------------	---------------------	---	------------------	----------------------------------	-----------------------------------

(b) (6)
(b) (6)

Page 30 of 35

4/9/2013



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD



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: _____
 CONTRACT NO.: _____ LIENT FAX: _____

PAGE 4 OF 5

(b) (6)
(b) (6)
(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS										STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY (SURCHARGE)				
					1	2	3	4	5	6	7	8	9	10	11	12	DATE DUE _____	DATE DUE _____		
					LL PAH	SVOC	Metals												<input type="radio"/>	<input type="radio"/>
					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
3-26-13	1420	CV0509 AA - CS	C	X			X												
	1435	CV0509 BB - CS	C	X			X												
	1446	CV0509 CC - CS	C	X			X												
	1448	CV0509 CC - CSD	C	X			X												
	1458	CV0509 DD - CS	C	X			X												
	1510	CV0509 EE - CS	C	X			X												
	1515	CV0509 FF - CS	C	X			X												
	1520	CV0509 GG - CS	C	X			X												
	1530	CV0509 HH - CS	C	X			X												
	1532	CV0509 HH - CSD	C	X			X												
	1245	CV0509 AG - GS	C	X			X												
	1250	CV0509 AH - GS	C	X			X												

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-27-13	TIME 1400	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

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE 03/28/13	TIME 0937	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-88767	LABORATORY REMARKS 1-y ^c
---	------------------	--------------	---	------------------	-------------------------------	--

Page 31 of 35

4/9/2013



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-2

SDG Number: 68088767-2

Login Number: 88767

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ 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 leg ble 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 <6mm (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: 680-88767-2

SDG Number: 68088767-2

Login Number: 88767

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

List Creation: 03/29/13 09:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ 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 leg ble 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 <6mm (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: 680-88767-2
 SDG: 68088767-2

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
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
Georgia	State Program	4	905	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: 680-88767-2
SDG: 68088767-2

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
USDA	Federal		P330-11-00177	04-20-14

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12