LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.457	1243	1253	1256	rBV	1095393	2291499	1.19%	0.206%
2	10.522	1256	1264	1270	rVV2	26252480	47046319	24.35%	4.232%
3	10.622	1273	1281	1297	rVB	1054898	2090369	1.08%	0.188%
4	12.128	1522	1537	1543	rBV	13270215	20630769	10.68%	1.856%
5	12.345	1563	1574	1584	rVV	7663629	12833207	6.64%	1.154%
6	13.145	1702	1710	1716	rBV	4575252	6785244	3.51%	0.610%
7	13.339	1738	1743	1752	rVB	2092760	3816597	1.98%	0.343%
8	13.474	1758	1766	1768	rBV	2579011	4216767	2.18%	0.379%
9	13.639	1783	1794	1799	rBV	4089244	7651122	3.96%	0.688%
10	13.692	1799	1803	1807	rVB	2419459	3312792	1.71%	0.298%
11	13.874	1824	1834	1837	rBV	1644712	2931851	1.52%	0.264%
12	14.039	1859	1862	1867	rVB	1452135	2007520	1.04%	0.181%
13	14.310	1898	1908	1915	rVV3	2407107	5474217	2.83%	0.492%
14	14.404	1915	1924	1929	rVV	43616888	71678102	37.09%	6.447%
15	14.533	1939	1946	1955	rVB	888489	2370504	1.23%	0.213%
16	14.633	1955	1963	1967	rBV	2150906	3396828	1.76%	0.306%
17	14.733	1972	1980	1986	rVB	23642784	36349594	18.81%	3.269%
18	15.392	2083	2092	2100	rVV	30531593	50378536	26.07%	4.531%
19	15.468	2100	2105	2107	rVV2	1718944	2540625	1.31%	0.229%
20	15.498	2107	2110	2113	rVV	3075649	4402306	2.28%	0.396%
21	15.533	2113	2116	2121	rVV2	4077391	6156755	3.19%	0.554%
22	15.586	2121	2125	2128	rVV	1333244	2225584	1.15%	0.200%
23	15.621	2128	2131	2135	rVV	2246096	3396110	1.76%	0.305%
24	15.668	2135	2139	2147	rVB	5247027	7720000	4.00%	0.694%
25	15.816	2155	2164	2172	rBV	5017055	10409521	5.39%	0.936%
26	16.045	2198	2203	2216	rVB4	2289200	4263941	2.21%	0.384%
27	16.380	2254	2260	2264	rVV2	2854496	4991728	2.58%	0.449%
28	16.527	2278	2285	2289	rVB3	1255351	2468610	1.28%	0.222%
29	16.745	2315	2322	2327	rVB	4952075	8157738	4.22%	0.734%
30	16.827	2327	2336	2341	rVV3	2844634	7024968	3.64%	0.632%
31	16.892	2341	2347	2358	rVB	9126008	14359997	7.43%	1.292%
32	17.162	2371	2393	2396	rBV2	74738501	193232349	100.00%	17.380%
33	17.227	2396	2404	2408	rVV	23616251	33000001	17.08%	2.968%
34	17.480	2439	2447	2452	rBV	4897200	7109598	3.68%	0.639%

LSC Area Percent Report

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Sample : I6776-06 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A58

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	17.592	2459	2466	2472	rBV3	2239939	4193781	2.17%	0.377%
36	17.651	2472	2476	2486	rVB5	1224775	2367231	1.23%	0.213%
37	17.951	2518	2527	2531	rBV	6952293	10527480	5.45%	0.947%
38	17.998	2531	2535	2541	rVB	9879100	13733301	7.11%	1.235%
39	18.080	2541	2549	2554	rBV	3277168	5369471	2.78%	0.483%
40	18.151	2554	2561	2565	rBV2	16228114	27864079	14.42%	2.506%
41	18.451	2607	2612	2616	rBV	5113199	6811418	3.52%	0.613%
42	18.504	2616	2621	2626	rVB	2060232	2897584	1.50%	0.261%
43	18.692	2646	2653	2658	rBV	1245835	2029793	1.05%	0.183%
44	18.868	2677	2683	2687	rBV2	1593798	3003466	1.55%	0.270%
45	19.033	2704	2711	2716	rBV2	2250922	3959748	2.05%	0.356%
46	19.174	2723	2735	2739	rBV2	64319029	145879459	75.49%	13.121%
47	19.380	2758	2770	2776	rBV	2845339	5531723	2.86%	0.498%
48	19.533	2782	2796	2800	rBV3	51293682	127553951	66.01%	11.473%
49	19.574	2800	2803	2809	rVB	2666396	3415092	1.77%	0.307%
50	19.680	2810	2821	2827	rBV	3650281	5441629	2.82%	0.489%
51	19.821	2839	2845	2852	rBV3	2781353	7127333	3.69%	0.641%
52	19.956	2863	2868	2871	rBV3	2246941	4003131	2.07%	0.360%
53	19.998	2871	2875	2880	rVB	8018678	11387584	5.89%	1.024%
54	20.098	2887	2892	2896	rBV	7358614	9965790	5.16%	0.896%
55	20.156	2896	2902	2905	rVV2	3042123	5517283	2.86%	0.496%
56	20.192	2905	2908	2912	rVV	2333901	2831786	1.47%	0.255%
57	20.339	2929	2933	2937	rVB2	1713759	2191109	1.13%	0.197%
58	20.745	2998	3002	3008	rVB	1584890	2117103	1.10%	0.190%
59	20.909	3023	3030	3033	rBV	3388148	4822689	2.50%	0.434%
60	20.945	3033	3036	3040	rVV	3396737	4365853	2.26%	0.393%
61	20.986	3040	3043	3048	rVV2	2753810	4566816	2.36%	0.411%
62	21.045	3048	3053	3063	rVB2	2180070	3597265	1.86%	0.324%
63	21.145	3063	3070	3077	rBV	932215	2012317	1.04%	0.181%
64	21.256	3080	3089	3093	rVV2	17955062	28732727	14.87%	2.584%
65	21.309	3093	3098	3107	rVB	15942543	21913983	11.34%	1.971%
66	21.421	3112	3117	3123	rBV	3034106	3913530	2.03%	0.352%
67	21.568	3138	3142	3148	rVB2	1207813	1950180	1.01%	0.175%
68	22.827	3348	3356	3360	rBV	4637875	10547959	5.46%	0.949%
69	23.297	3430	3436	3441	rBV	1823126	3220533	1.67%	0.290%
70	23.392	3446	3452	3458	rVV	2900078	5036859	2.61%	0.453%
71	23.486	3459	3468	3472	rVV	1220173	2542538	1.32%	0.229%

LSC Area Percent Report

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Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

72	25.709	3838	3846	3858	rVB2	683449	2115937	1.10%	0.190%

Sum of corrected areas: 1111781179

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Misc :
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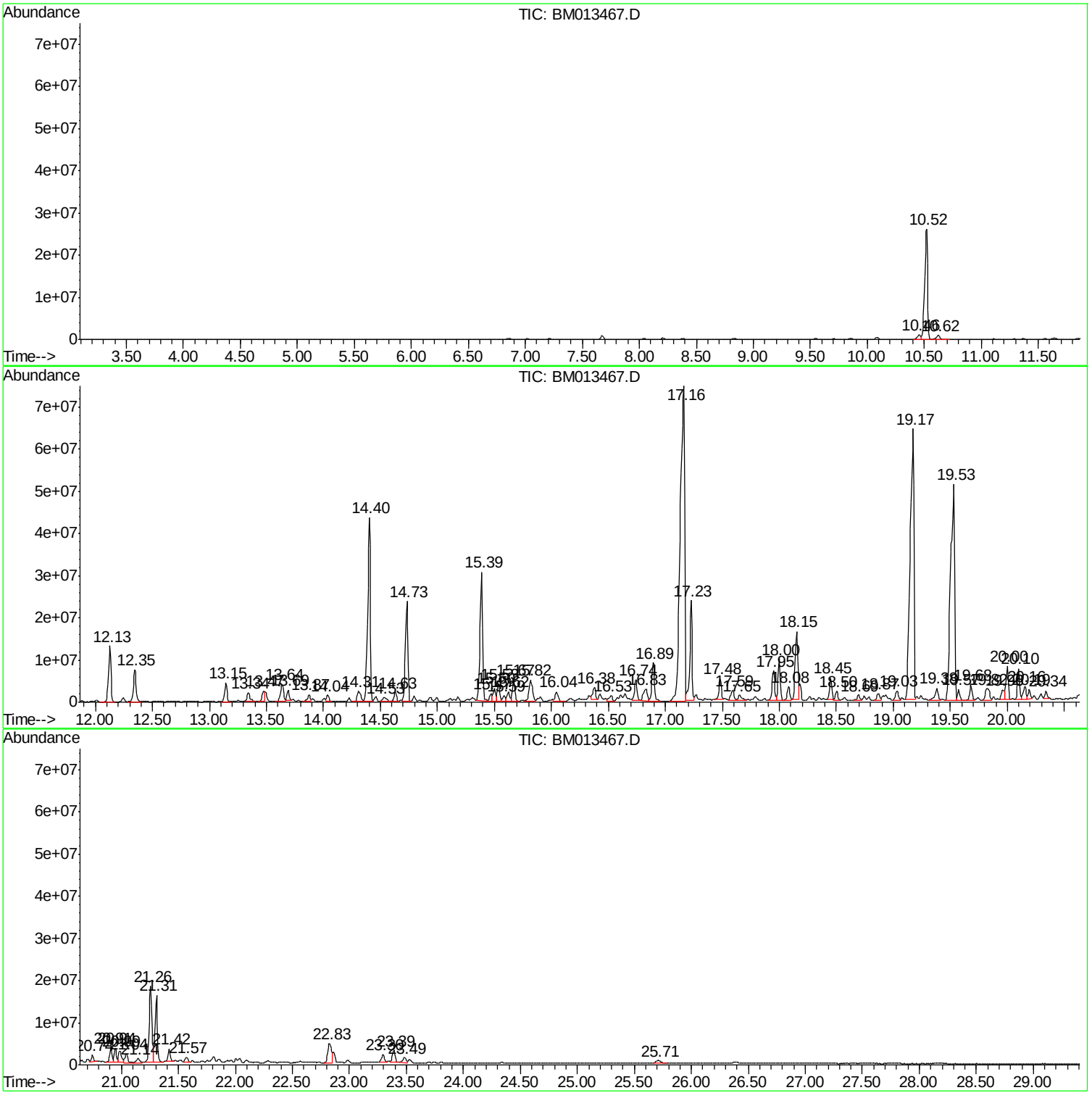
Instrument :
BNA_M
ClientSampleId :
F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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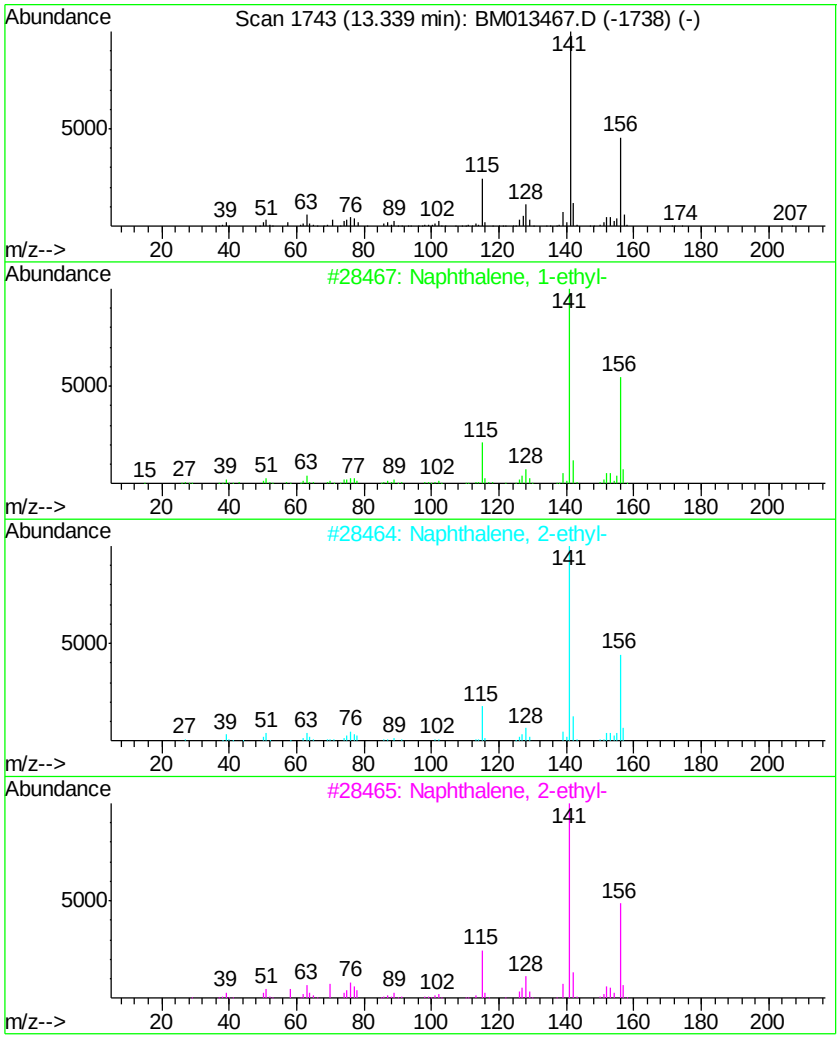
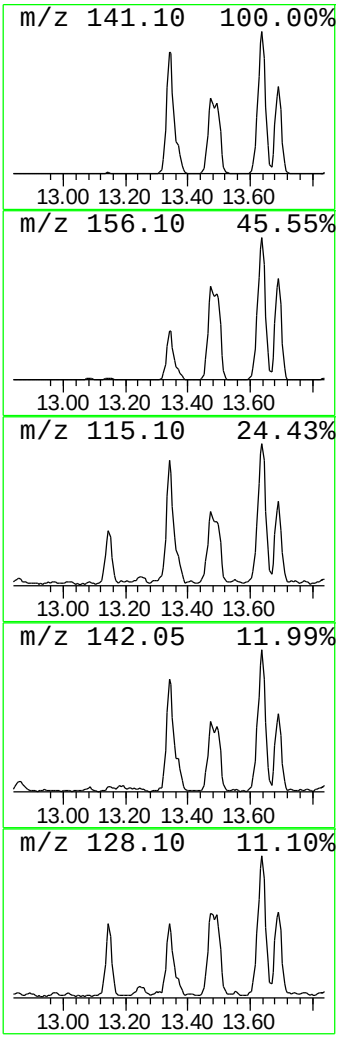
Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	13.94 ng/ul	3816600	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

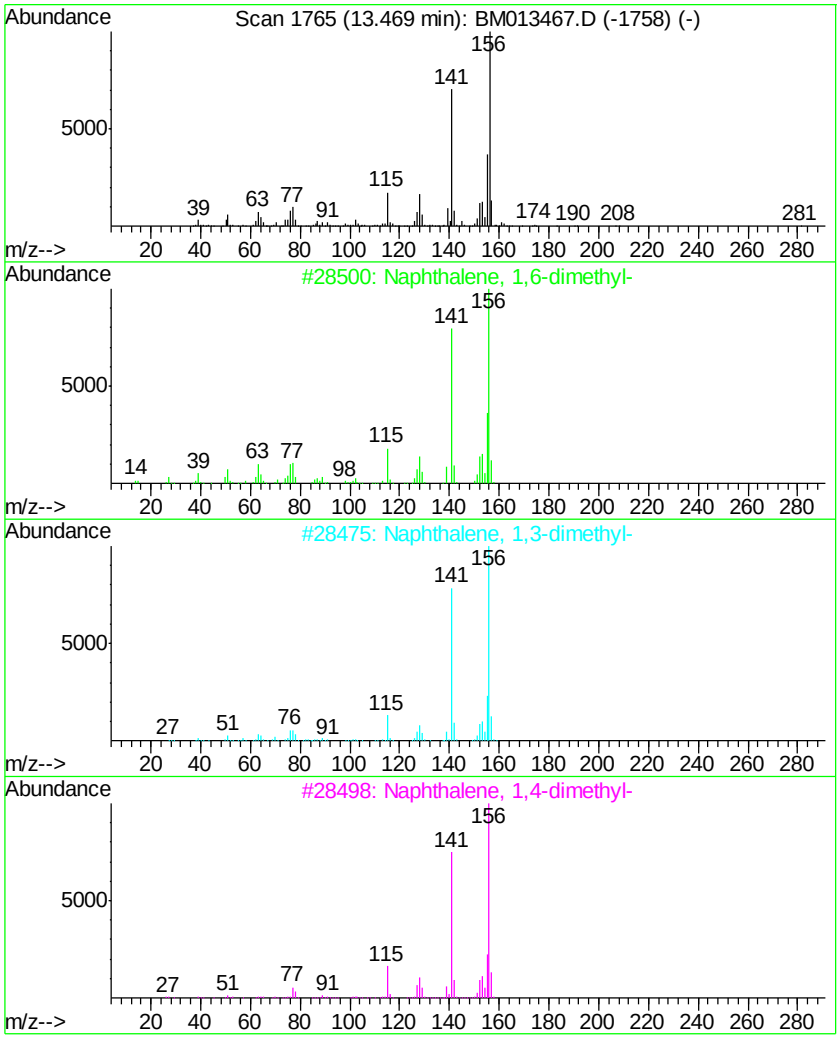
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

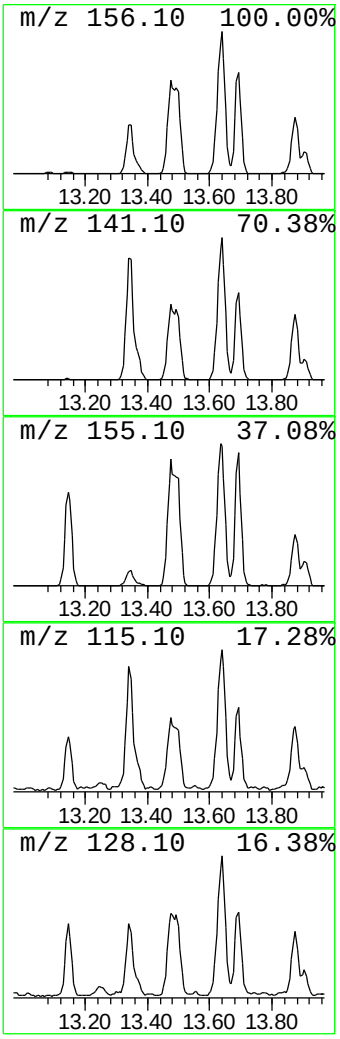
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	15.41 ng/ul	4216770	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

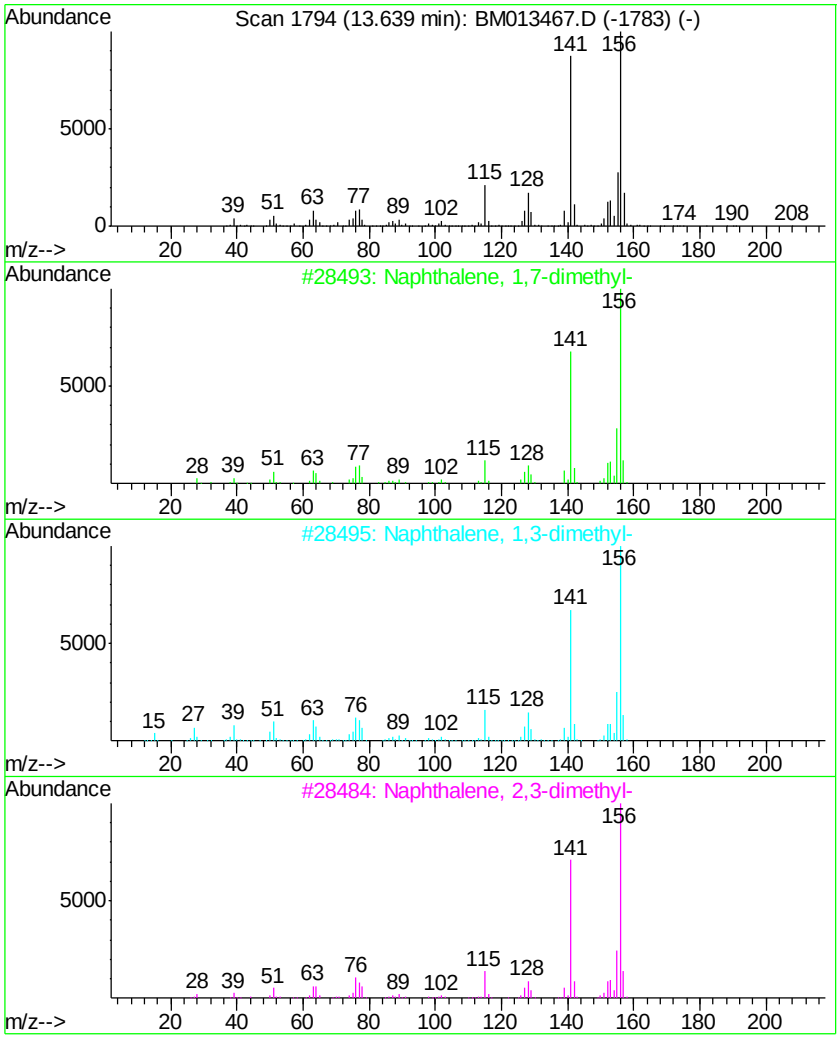
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

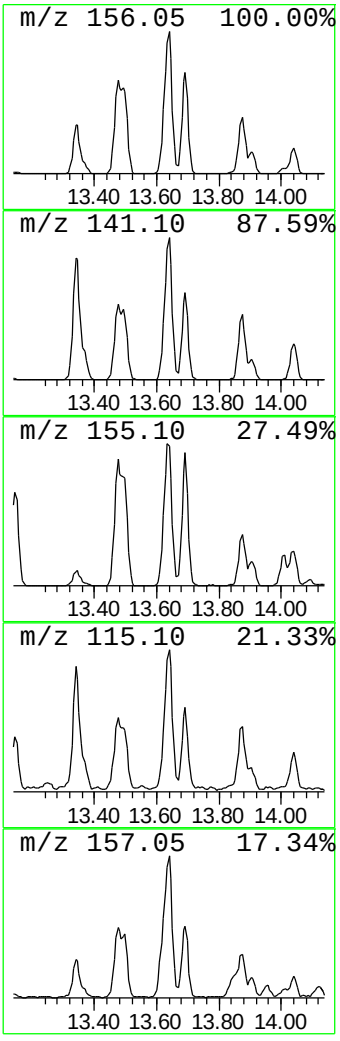
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	27.95 ng/ul	7651120	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Sample : I6776-06 5X
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Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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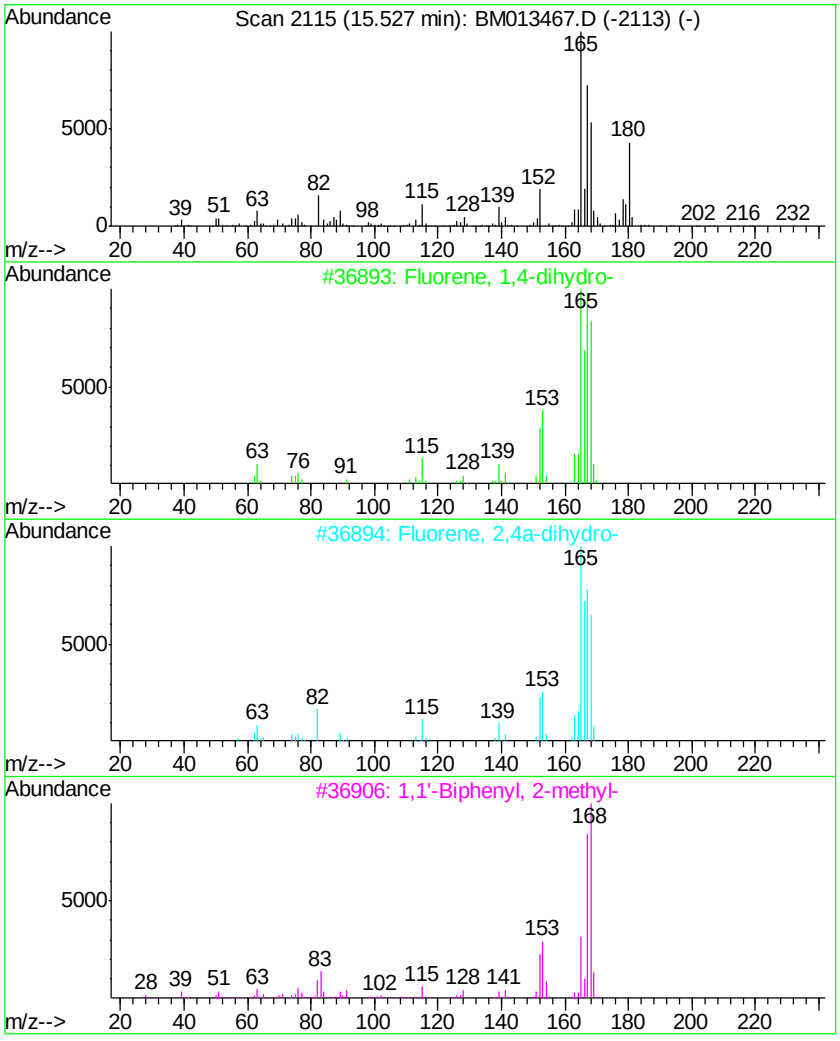
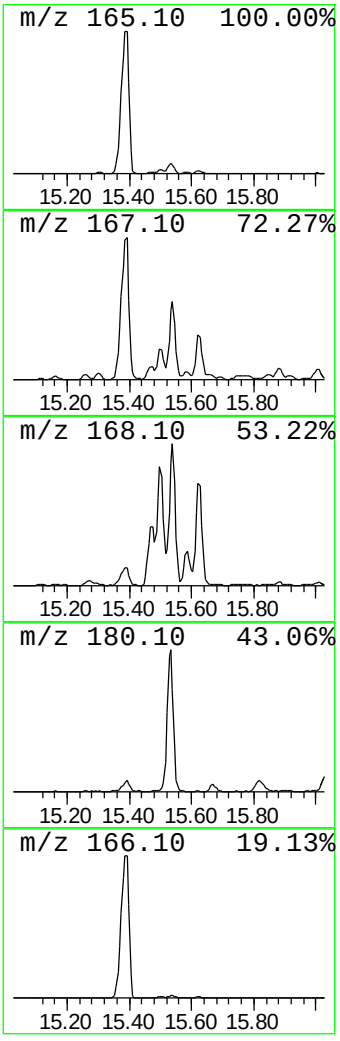
Peak Number 7 Fluorene, 1,4-dihydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	22.49 ng/ul	6156760	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	70
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	60
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55
4	Diphenylmethane	168	C13H12	000101-81-5	53
5	Diphenylmethane	168	C13H12	000101-81-5	49





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Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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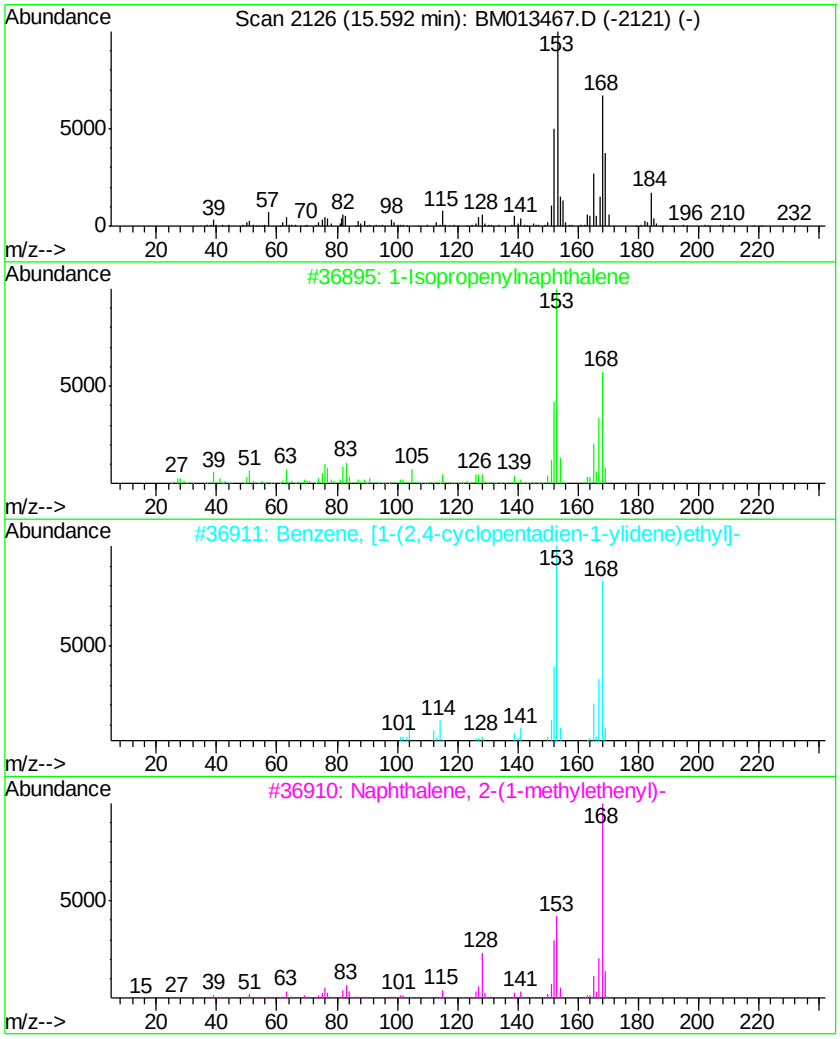
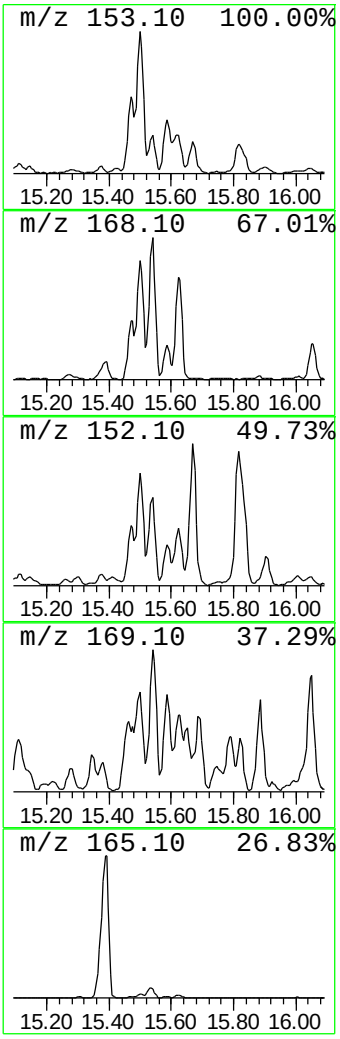
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	8.13 ng/ul	2225580	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	52
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	50
4	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	43
5	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	37





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Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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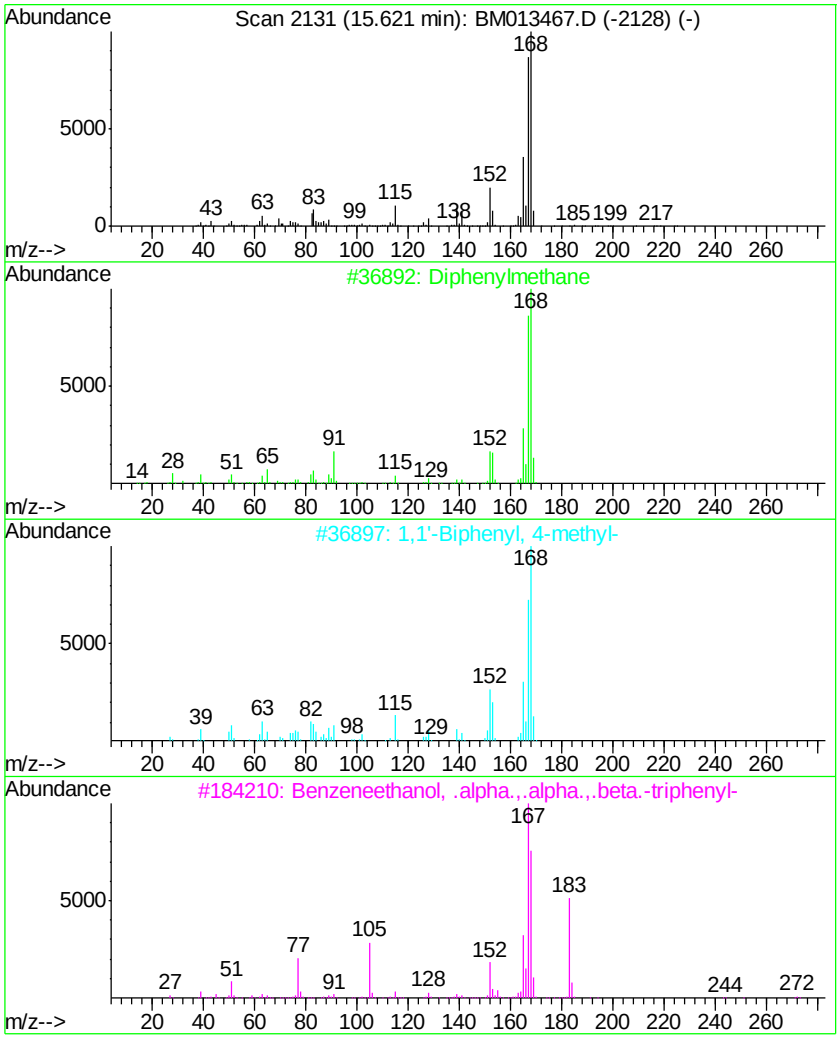
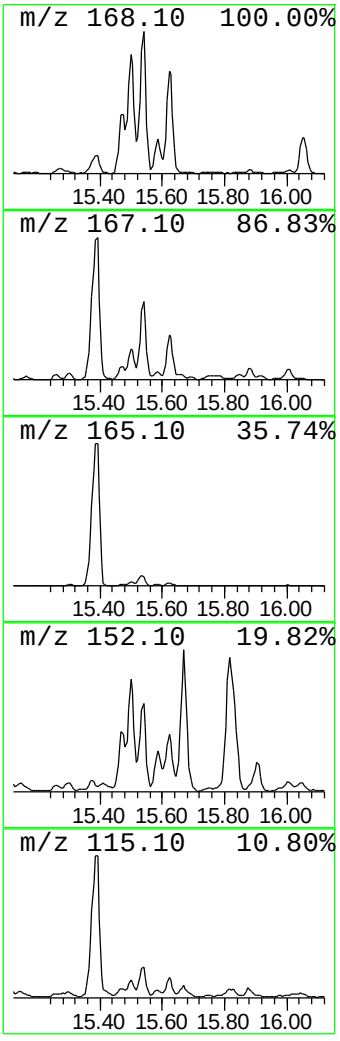
Peak Number 9 Diphenylmethane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	12.41 ng/ul	3396110	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	72
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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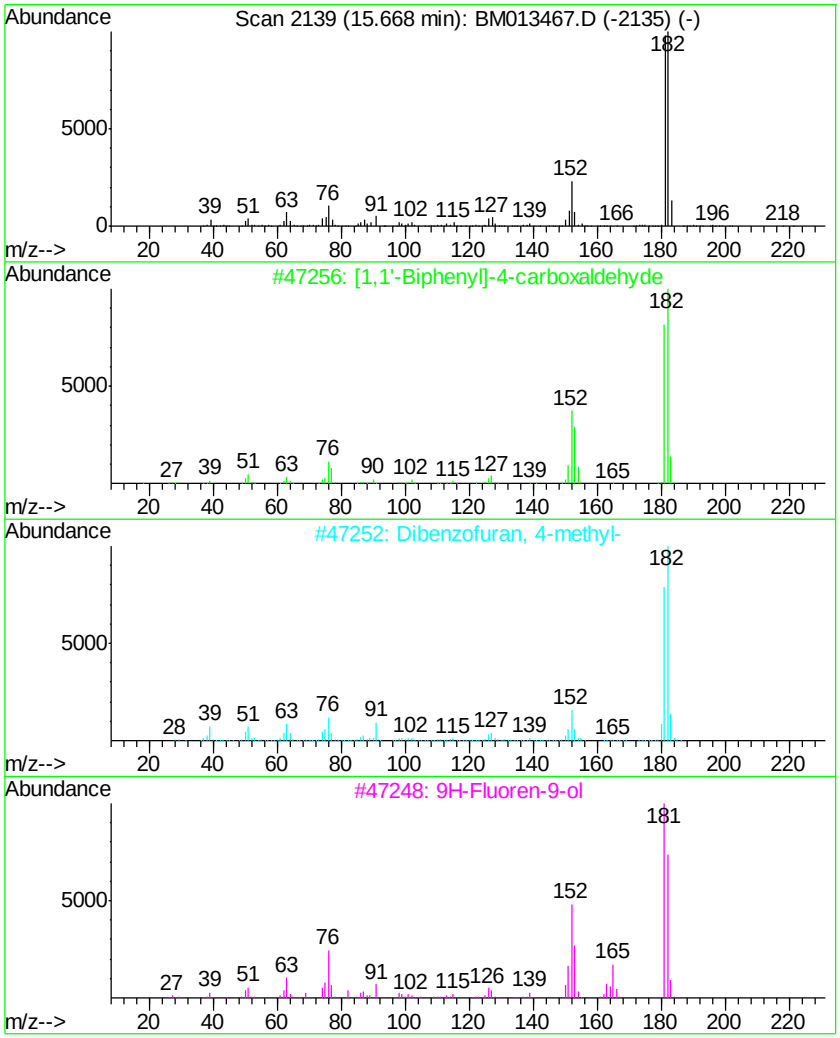
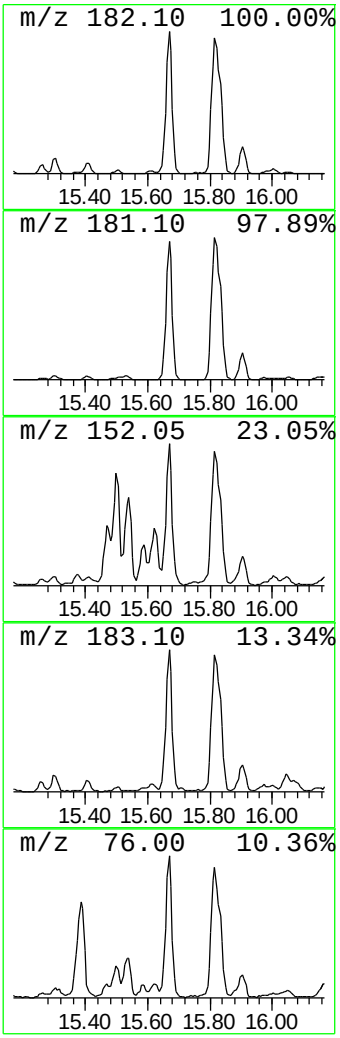
Peak Number 10 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	28.20 ng/ul	7720000	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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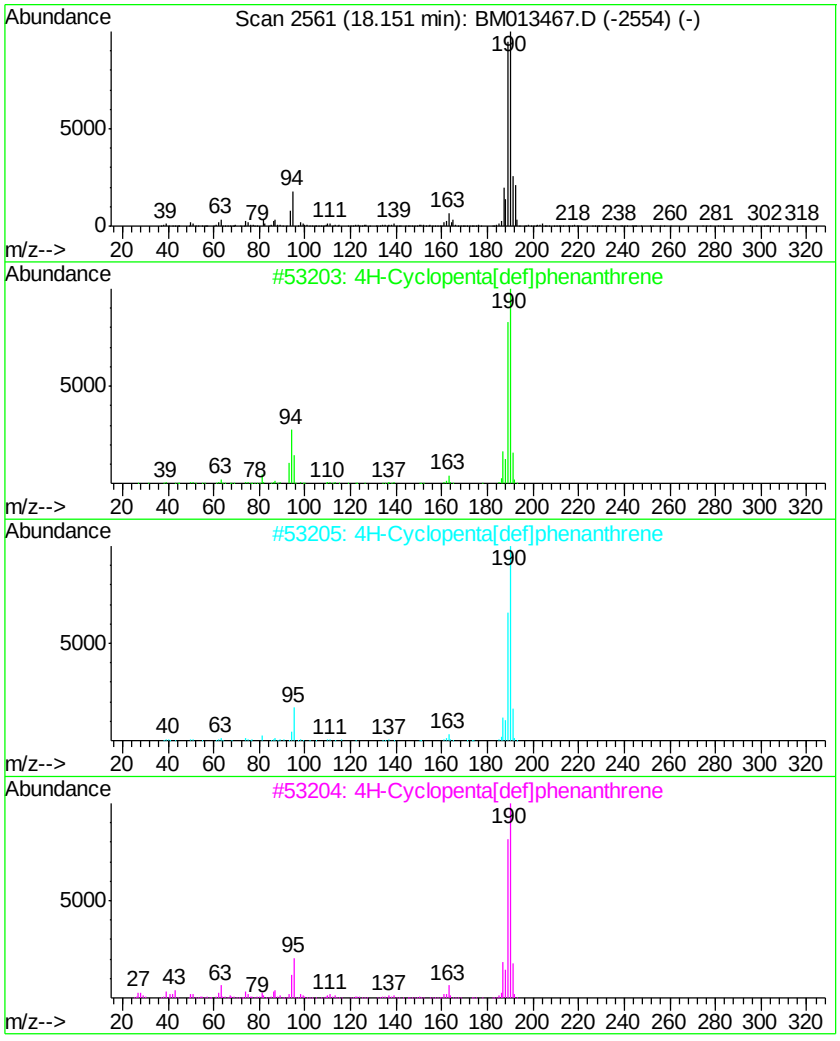
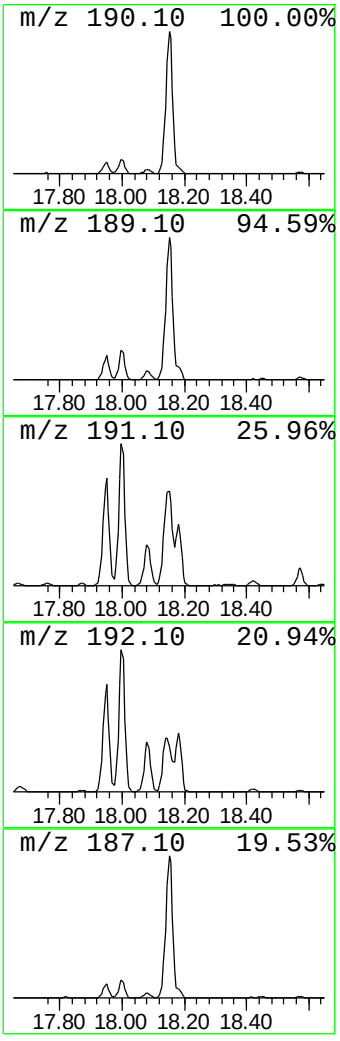
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.88 ng/ul	27864100	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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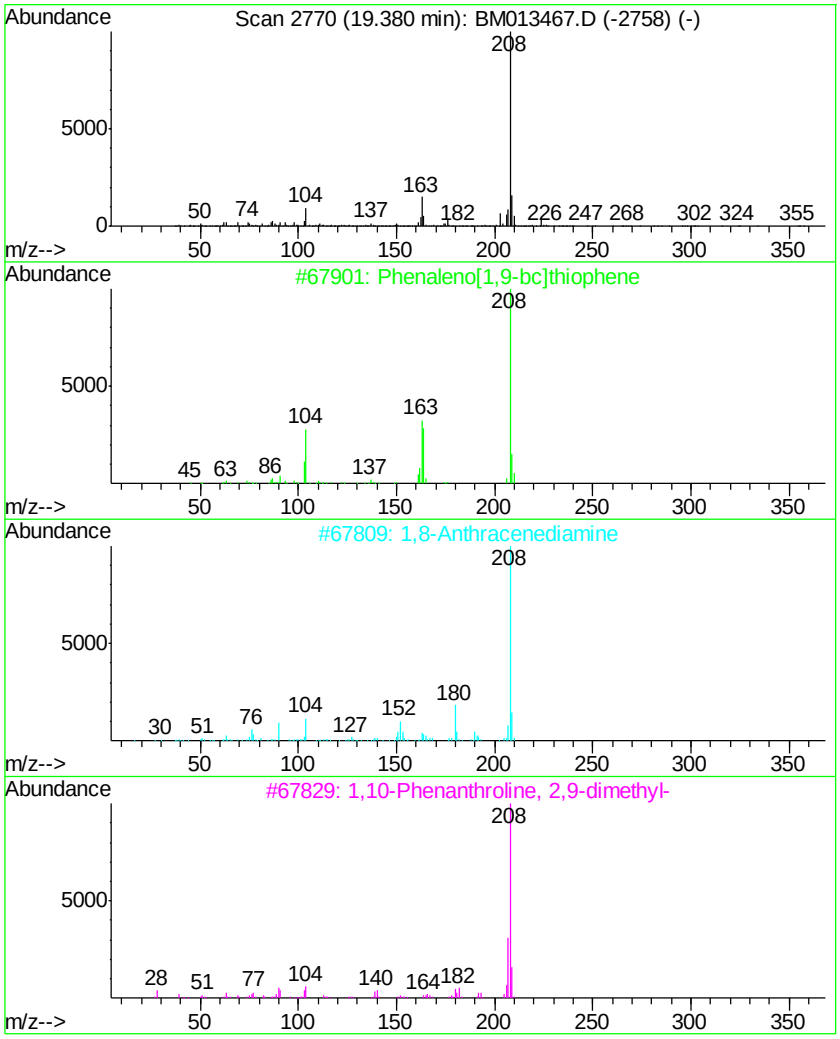
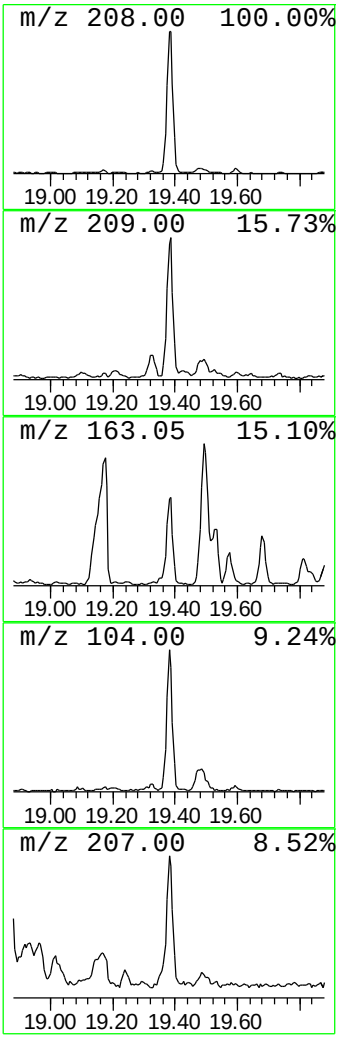
Peak Number 12 Phenaleno[1,9-bc]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	3.85 ng/ul	5531720	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	72
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
3	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	58
4	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	53
5	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53





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Instrument : BNA_M
ClientSampleId : F9A58

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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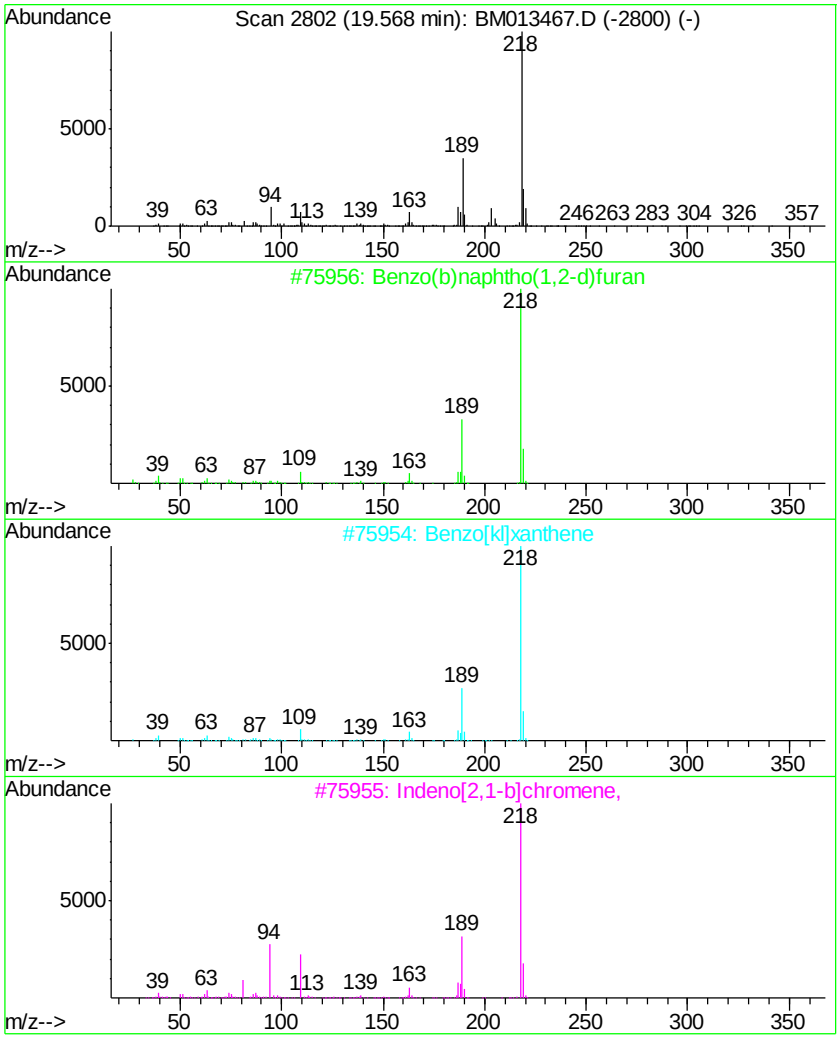
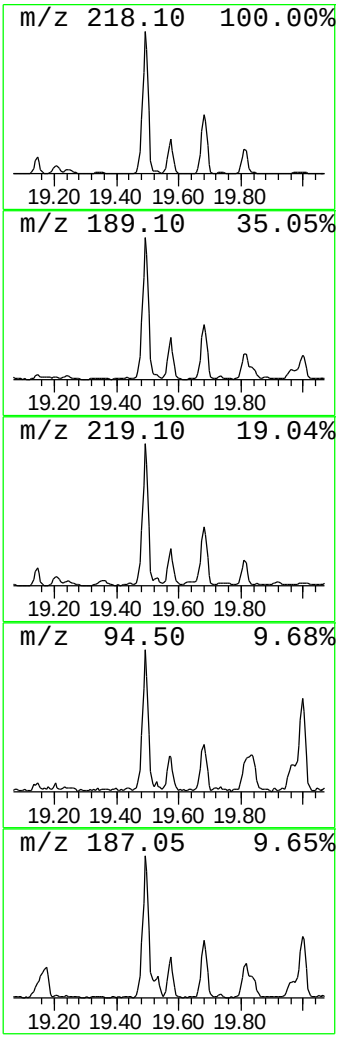
Peak Number 13 Benzo(b)naphtho(1,2-d)furan Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	2.38 ng/ul	3415090	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	95
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	93
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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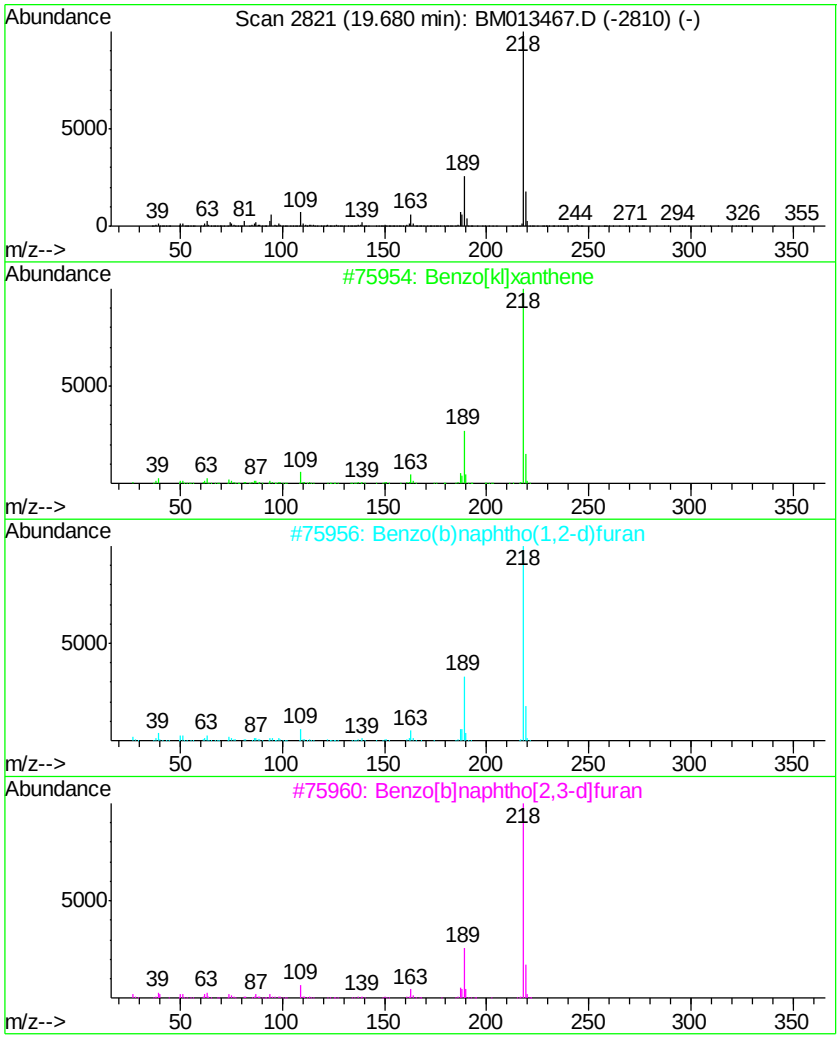
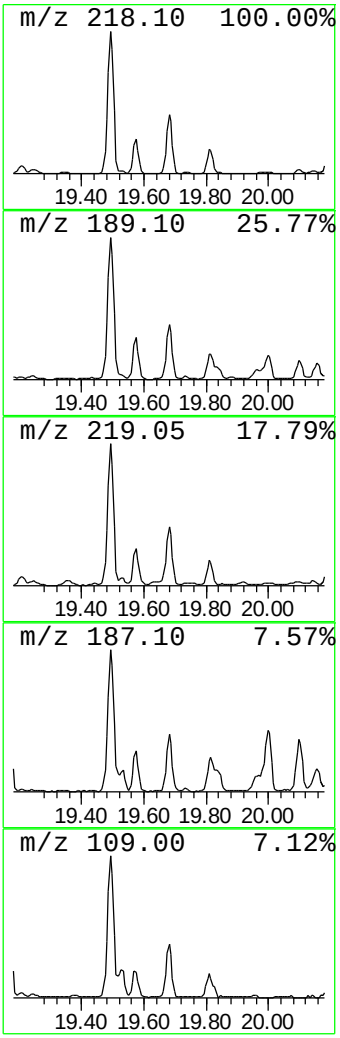
Peak Number 14 Benzo[kl]xanthene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	3.79 ng/ul	5441630	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	97
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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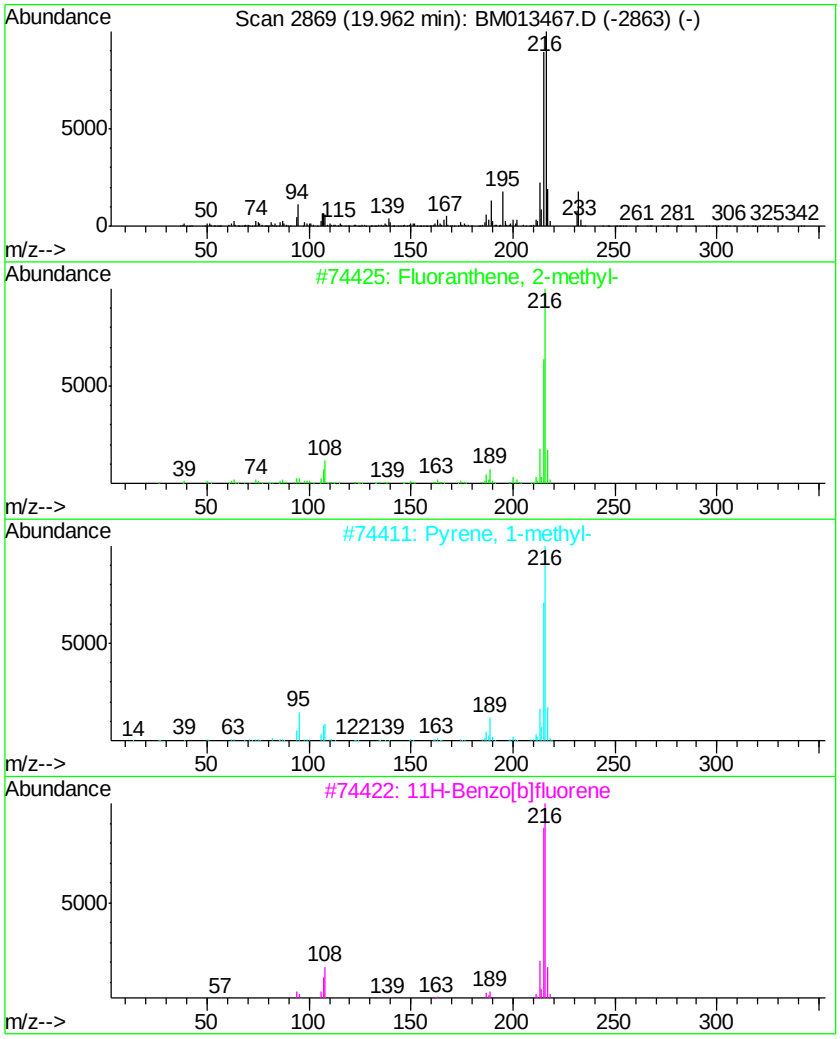
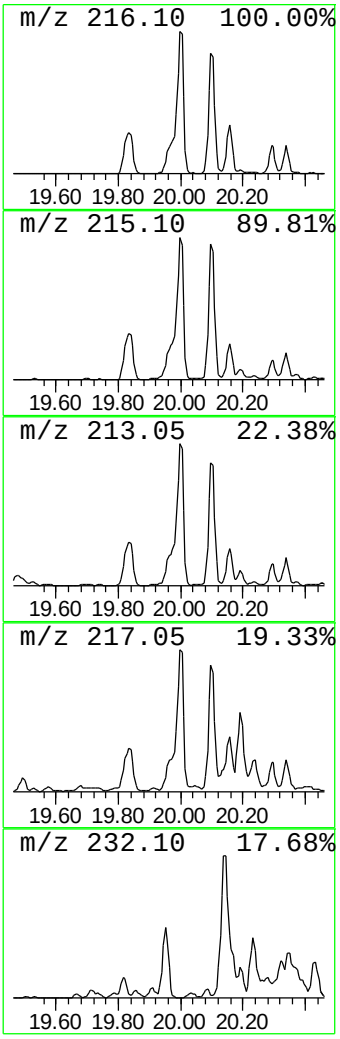
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.79 ng/ul	4003130	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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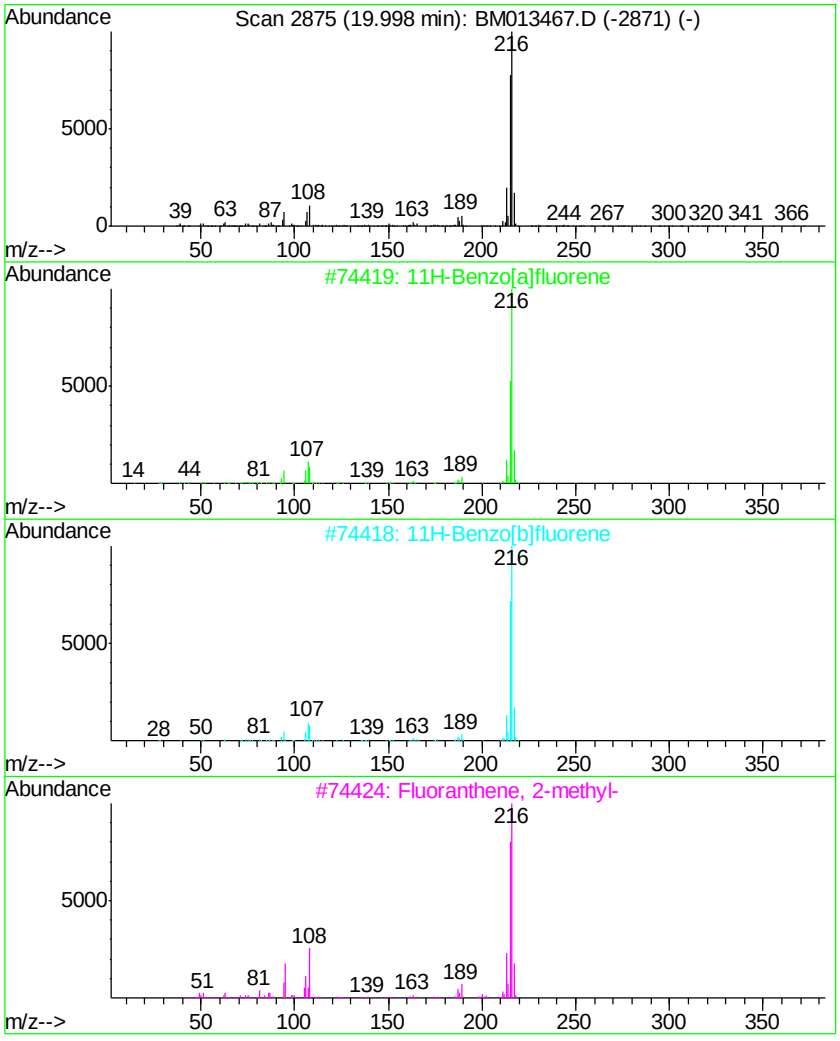
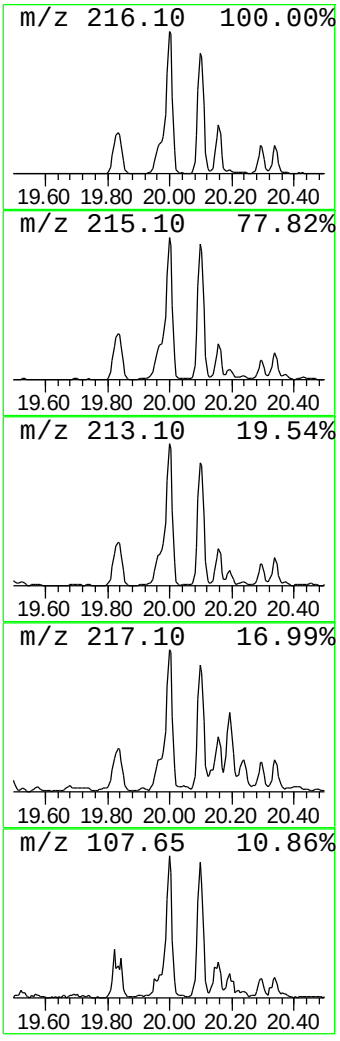
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	7.93 ng/ul	11387600	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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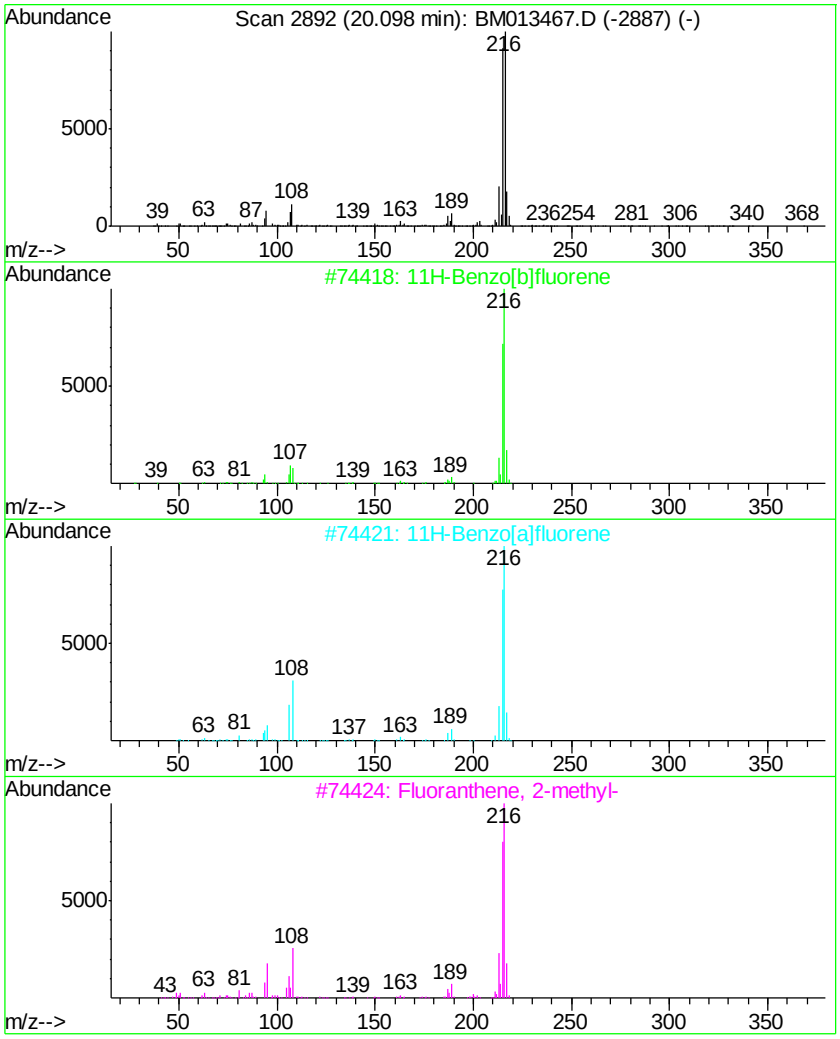
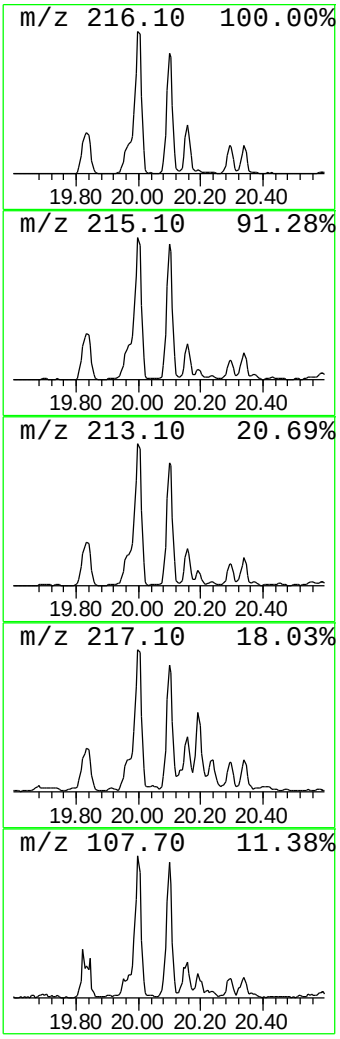
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	6.94 ng/ul	9965790	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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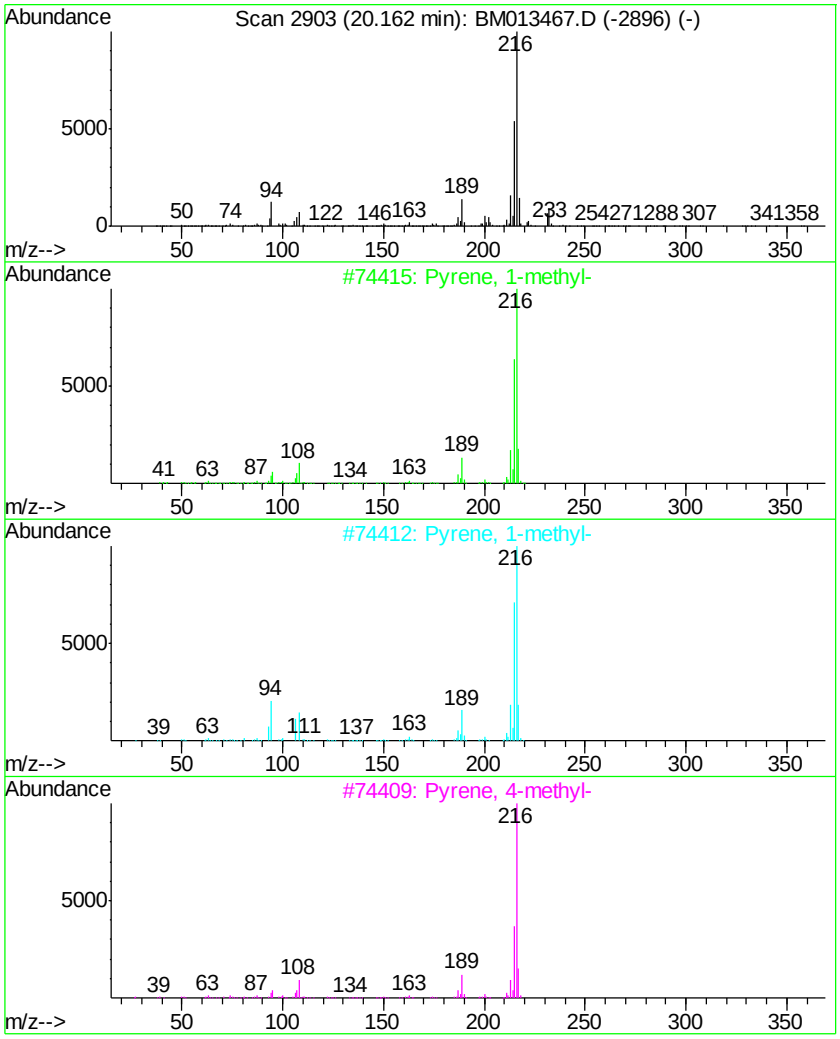
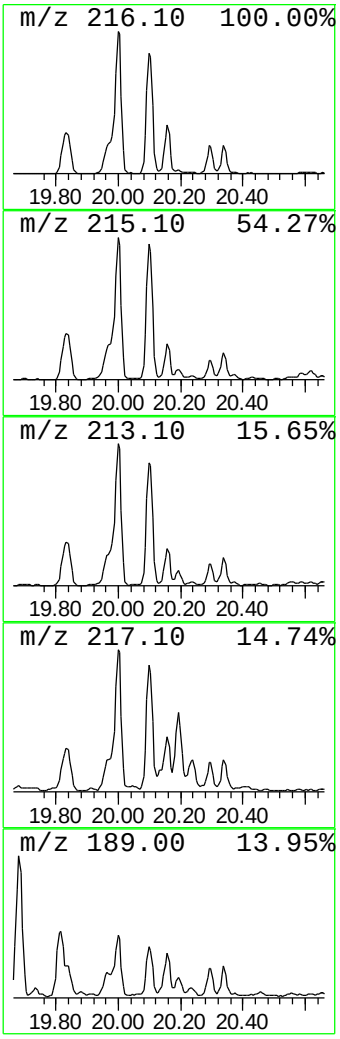
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.84 ng/ul	5517280	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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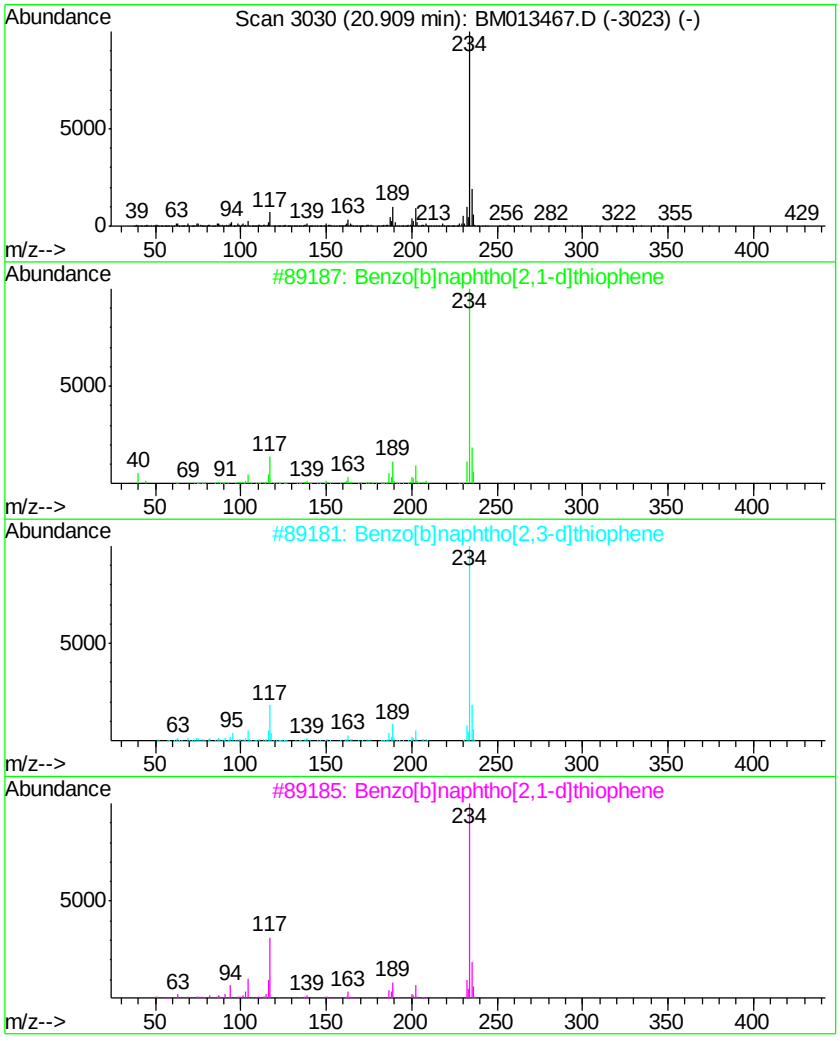
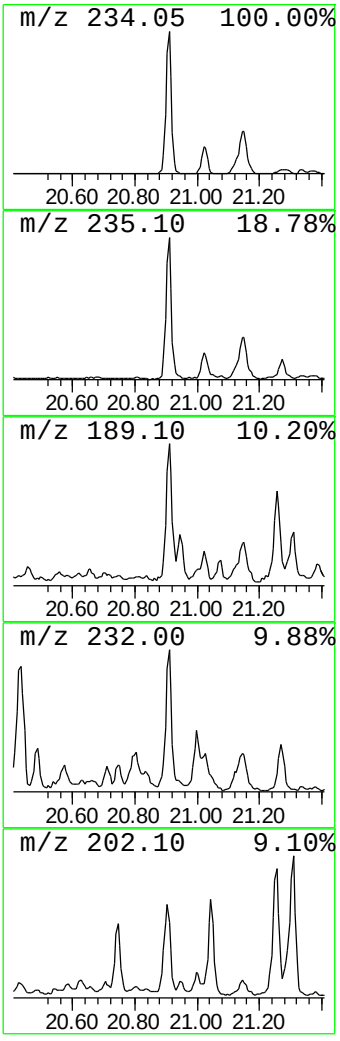
Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	3.36 ng/ul	4822690	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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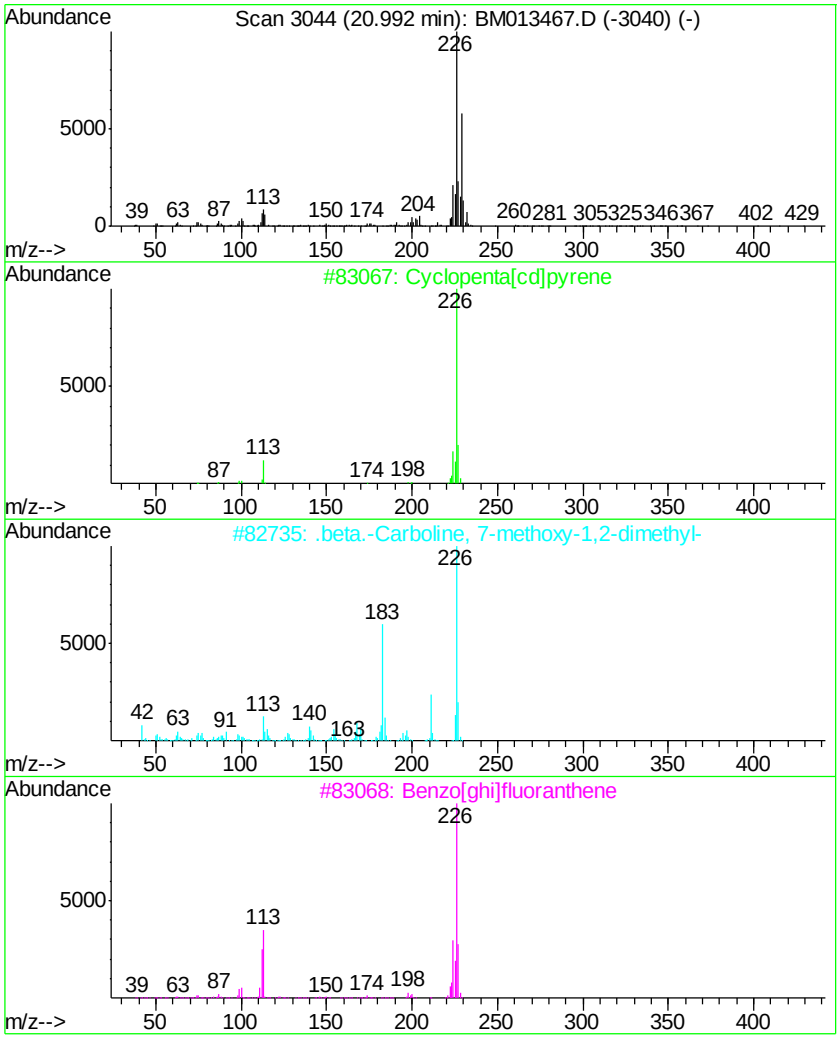
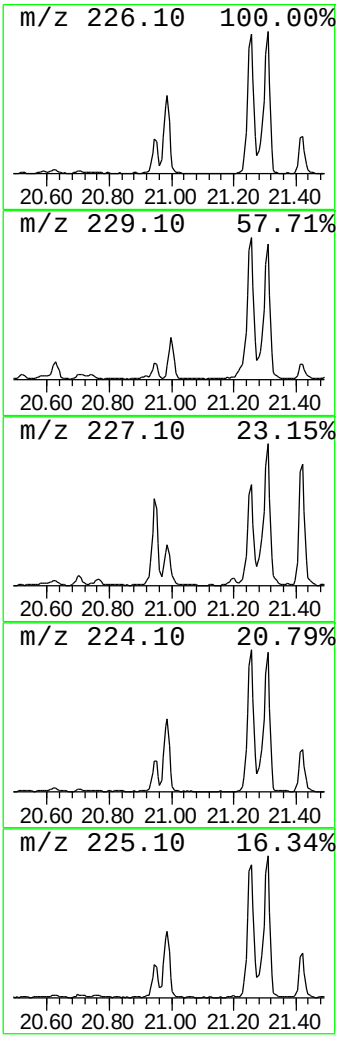
Peak Number 22 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	3.18 ng/ul	4566820	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50
4	2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	42
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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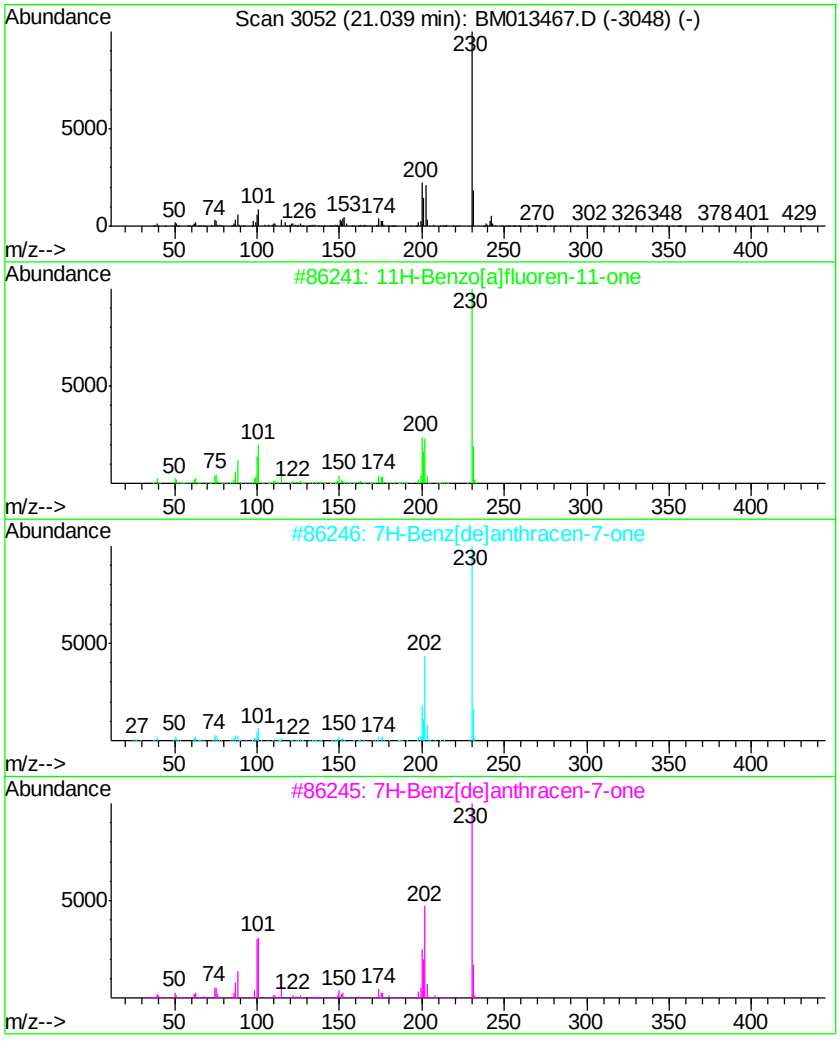
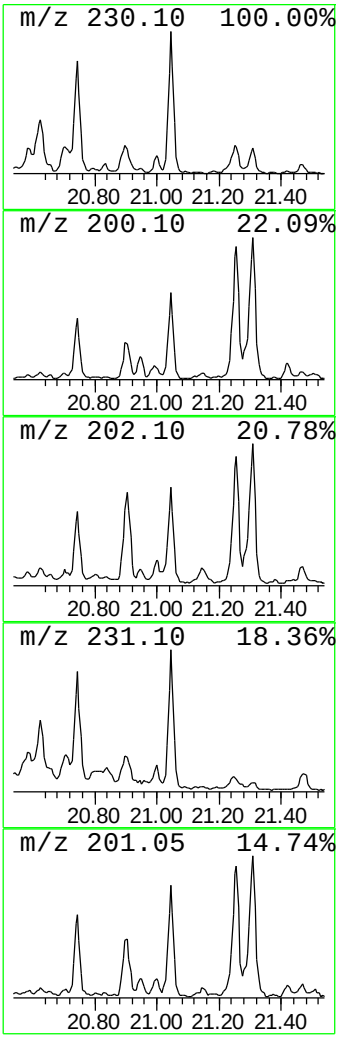
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.50 ng/ul	3597270	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

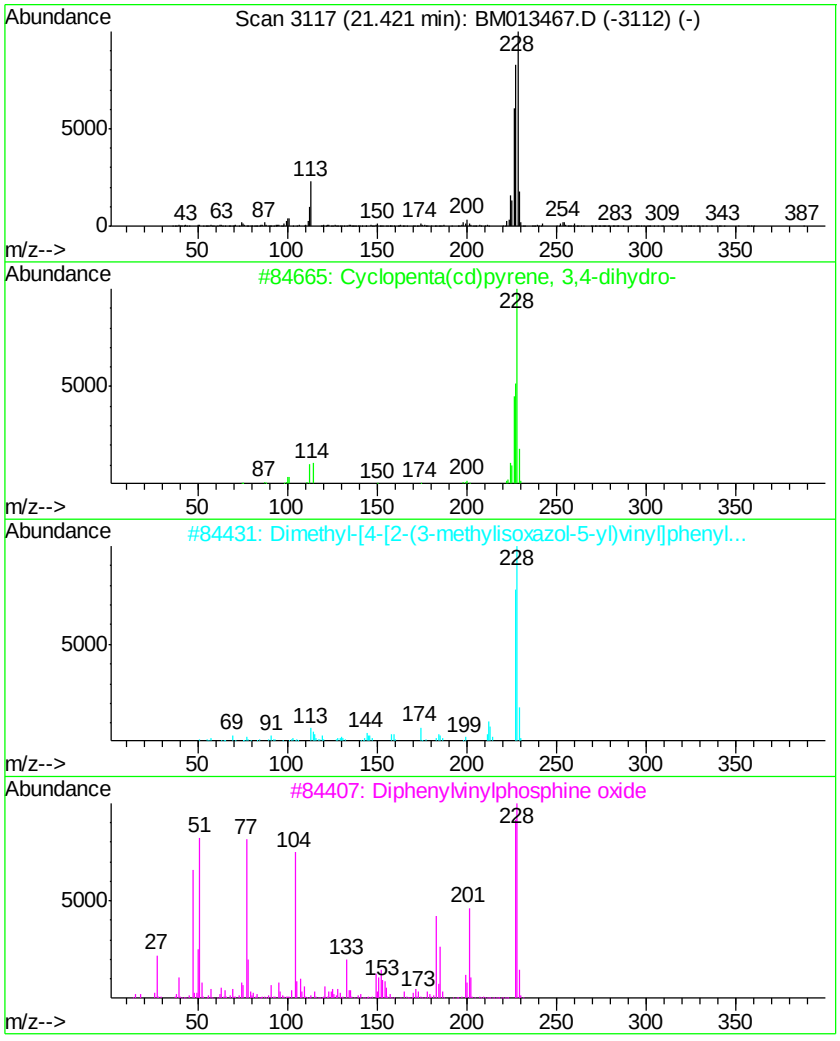
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

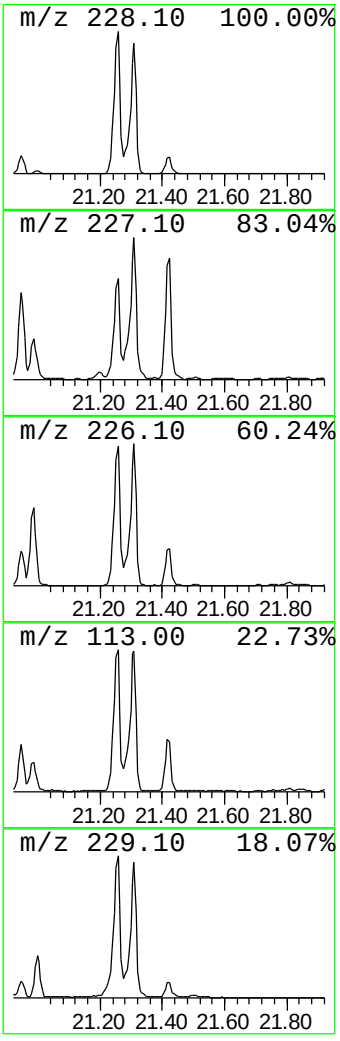
****

Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.72 ng/ul	3913530	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Triphenylene	228	C18H12	000217-59-4	46
5	Triphenylene	228	C18H12	000217-59-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-et...	13.34	13.9	ng/ul	3816600	3	14.32	5474220	20.0
Naphthalene, 1,6-...	13.47	15.4	ng/ul	4216770	3	14.32	5474220	20.0
Naphthalene, 1,7-...	13.64	27.9	ng/ul	7651120	3	14.32	5474220	20.0
Fluorene, 1,4-dih...	15.53	22.5	ng/ul	6156760	3	14.32	5474220	20.0
1-Isopropenylnaph...	15.59	8.1	ng/ul	2225580	3	14.32	5474220	20.0
Diphenylmethane	15.62	12.4	ng/ul	3396110	3	14.32	5474220	20.0
[1,1'-Biphenyl]-4...	15.67	28.2	ng/ul	7720000	3	14.32	5474220	20.0
4H-Cyclopenta[def...	18.15	2.9	ng/ul	27864100	4	17.09	193232000	20.0
Phenaleno[1,9-bc]...	19.38	3.9	ng/ul	5531720	5	21.27	28732700	20.0
Benzo(b)naphtho(1...	19.57	2.4	ng/ul	3415090	5	21.27	28732700	20.0
Benzo[kl]xanthene	19.68	3.8	ng/ul	5441630	5	21.27	28732700	20.0
Fluoranthene, 2-m...	19.96	2.8	ng/ul	4003130	5	21.27	28732700	20.0
11H-Benzo[a]fluorene	20.00	7.9	ng/ul	11387600	5	21.27	28732700	20.0
11H-Benzo[b]fluorene	20.10	6.9	ng/ul	9965790	5	21.27	28732700	20.0
Pyrene, 1-methyl-	20.16	3.8	ng/ul	5517280	5	21.27	28732700	20.0
Benzo[b]naphtho[2...	20.91	3.4	ng/ul	4822690	5	21.27	28732700	20.0
Cyclopenta[cd]pyrene	20.99	3.2	ng/ul	4566820	5	21.27	28732700	20.0
11H-Benzo[a]fluor...	21.04	2.5	ng/ul	3597270	5	21.27	28732700	20.0
Cyclopenta(cd)pyr...	21.42	2.7	ng/ul	3913530	5	21.27	28732700	20.0