LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013451.D
Acq On : 15 Dec 2017 22:44
Operator : SJ/JU
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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	5.281	367	373	381	rBV	561855	871849	5.89%	0.493%
2	6.857	634	641	653	rVB	1666260	2878983	19.46%	1.629%
3	7.016	662	668	677	rVB	799385	1197388	8.10%	0.677%
4	7.210	694	701	713	rVB	1836761	2802497	18.95%	1.586%
5	7.675	772	780	787	rBV	905535	1428147	9.66%	0.808%
6	7.992	828	834	840	rVB	351451	556652	3.76%	0.315%
7	8.381	893	900	914	rBV	1400714	2213734	14.97%	1.252%
8	8.828	969	976	985	rBV	1518620	2484562	16.80%	1.406%
9	9.545	1091	1098	1109	rBV	937235	1572381	10.63%	0.890%
10	10.081	1178	1189	1199	rBV	1398530	2378081	16.08%	1.345%
11	10.451	1244	1252	1258	rBV	1251721	2085461	14.10%	1.180%
12	10.598	1269	1277	1289	rVV	1278487	2285519	15.45%	1.293%
13	12.933	1667	1674	1684	rVB	1060129	1582302	10.70%	0.895%
14	13.145	1703	1710	1717	rBV	825887	1190767	8.05%	0.674%
15	13.733	1803	1810	1815	rBV	2542497	3540632	23.94%	2.003%
16	13.780	1815	1818	1825	rVB	538205	713212	4.82%	0.404%
17	14.010	1850	1857	1867	rVB	2922672	4466975	30.20%	2.527%
18	14.221	1888	1893	1897	rBV	184188	233412	1.58%	0.132%
19	14.316	1900	1909	1915	rVV3	1798728	3202603	21.65%	1.812%
20	14.386	1915	1921	1929	rVB	5133346	7472833	50.52%	4.228%
21	14.533	1939	1946	1956	rBV2	854042	1514893	10.24%	0.857%
22	14.627	1956	1962	1967	rVV	237027	379920	2.57%	0.215%
23	14.721	1967	1978	1985	rVV	3561366	5297622	35.82%	2.997%
24	14.792	1985	1990	1994	rVB3	114462	177226	1.20%	0.100%
25	14.939	2008	2015	2020	rBV6	93564	205384	1.39%	0.116%
26	14.992	2020	2024	2029	rVB2	113391	171386	1.16%	0.097%
27	15.110	2037	2044	2047	rBV2	90146	179634	1.21%	0.102%
28	15.180	2052	2056	2062	rVB	204773	282368	1.91%	0.160%
29	15.315	2073	2079	2084	rBV	3519633	4920161	33.26%	2.784%
30	15.374	2084	2089	2094	rVV	3996882	5755563	38.91%	3.256%
31	15.451	2097	2102	2106	rVV2	647360	1062571	7.18%	0.601%
32	15.492	2106	2109	2112	rVV	301985	445405	3.01%	0.252%
33	15.533	2112	2116	2120	rVV3	484477	758139	5.13%	0.429%
34	15.580	2120	2124	2127	rVV3	192692	326847	2.21%	0.185%

LSC Area Percent Report

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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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Peak separation: 5

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

35	15.621	2127	2131	2134	rVV	313955	459640	3.11%	0.260%
36	15.662	2134	2138	2146	rVB	547153	854392	5.78%	0.483%
37	15.810	2155	2163	2171	rBV	1516233	2530811	17.11%	1.432%
38	15.880	2171	2175	2185	rVB3	160640	393635	2.66%	0.223%
39	16.045	2199	2203	2216	rVB3	239036	461244	3.12%	0.261%
40	16.333	2247	2252	2254	rBV	181453	286410	1.94%	0.162%
41	16.374	2255	2259	2264	rVV2	365543	614323	4.15%	0.348%
42	16.421	2264	2267	2272	rVB3	174865	251300	1.70%	0.142%
43	16.521	2279	2284	2289	rVB3	152963	279374	1.89%	0.158%
44	16.645	2301	2305	2309	rVB2	152752	187309	1.27%	0.106%
45	16.727	2314	2319	2325	rVB2	307717	509706	3.45%	0.288%
46	16.821	2327	2335	2340	rBV3	414099	848871	5.74%	0.480%
47	16.886	2341	2346	2356	rVB	1086929	1658971	11.22%	0.939%
48	17.068	2371	2377	2380	rBV2	2328999	3464275	23.42%	1.960%
49	17.115	2380	2385	2390	rVV	10638552	14790929	100.00%	8.368%
50	17.168	2390	2394	2397	rVV	4233763	5807970	39.27%	3.286%
51	17.204	2397	2400	2405	rVV	2174260	2792710	18.88%	1.580%
52	17.262	2405	2410	2415	rVB	373367	577170	3.90%	0.327%
53	17.474	2435	2446	2455	rBV	790833	1320137	8.93%	0.747%
54	17.586	2460	2465	2471	rVV2	207244	347874	2.35%	0.197%
55	17.645	2471	2475	2485	rVV3	136286	324603	2.19%	0.184%
56	17.786	2495	2499	2507	rBV3	106440	208290	1.41%	0.118%
57	17.939	2516	2525	2529	rBV	948616	1628063	11.01%	0.921%
58	17.992	2529	2534	2540	rVV	1303542	2222763	15.03%	1.258%
59	18.068	2541	2547	2552	rVV	431659	731915	4.95%	0.414%
60	18.139	2552	2559	2563	rVV3	1696204	2884477	19.50%	1.632%
61	18.174	2563	2565	2573	rVB	425446	501964	3.39%	0.284%
62	18.445	2606	2611	2616	rBV	750383	999326	6.76%	0.565%
63	18.692	2645	2653	2657	rBV3	183408	287543	1.94%	0.163%
64	18.745	2657	2662	2665	rVV	122006	163434	1.10%	0.092%
65	18.780	2665	2668	2673	rVB3	116306	165033	1.12%	0.093%
66	18.862	2677	2682	2687	rBV2	215207	373662	2.53%	0.211%
67	18.933	2687	2694	2696	rBV4	125107	207484	1.40%	0.117%
68	19.133	2721	2728	2735	rVB	9860179	13009561	87.96%	7.360%
69	19.256	2747	2749	2756	rVB5	140048	209444	1.42%	0.118%
70	19.374	2756	2769	2773	rBV3	262865	578653	3.91%	0.327%
71	19.468	2779	2785	2787	rBV2	6090088	8637210	58.40%	4.887%

LSC Area Percent Report

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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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Peak separation: 5

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

72	19.498	2787	2790	2798	rVV	6738681	8557521	57.86%	4.842%
73	19.562	2798	2801	2807	rVB	267399	393644	2.66%	0.223%
74	19.698	2815	2824	2829	rBV2	2152490	3197610	21.62%	1.809%
75	19.739	2829	2831	2836	rVB	166758	176286	1.19%	0.100%
76	19.821	2838	2845	2851	rBV3	262900	701682	4.74%	0.397%
77	19.874	2851	2854	2858	rVV2	173887	229496	1.55%	0.130%
78	19.945	2861	2866	2870	rVV	422473	790469	5.34%	0.447%
79	19.992	2870	2874	2879	rVB	928917	1293709	8.75%	0.732%
80	20.092	2886	2891	2895	rBV	936383	1199449	8.11%	0.679%
81	20.145	2895	2900	2904	rVV2	285385	533131	3.60%	0.302%
82	20.186	2904	2907	2911	rVV	242955	294981	1.99%	0.167%
83	20.227	2911	2914	2920	rVB3	104817	164295	1.11%	0.093%
84	20.292	2920	2925	2928	rBV	154994	214739	1.45%	0.121%
85	20.333	2928	2932	2936	rBV2	185805	269596	1.82%	0.153%
86	20.697	2990	2994	2999	rBV3	91823	170357	1.15%	0.096%
87	20.903	3023	3029	3033	rBV	258064	418306	2.83%	0.237%
88	20.945	3033	3036	3038	rVV	262133	312355	2.11%	0.177%
89	20.974	3038	3041	3048	rVB3	1187101	1535999	10.38%	0.869%
90	21.256	3079	3089	3093	rBV2	3348593	6168316	41.70%	3.490%
91	21.297	3093	3096	3102	rVB	1271383	1600265	10.82%	0.905%
92	21.409	3111	3115	3123	rBV	311020	467813	3.16%	0.265%
93	21.568	3139	3142	3148	rVB2	132113	222901	1.51%	0.126%
94	21.739	3167	3171	3177	rVB2	103590	178193	1.20%	0.101%
95	21.803	3179	3182	3186	rVB	127433	166955	1.13%	0.094%
96	22.815	3349	3354	3359	rBV2	375516	829795	5.61%	0.469%
97	23.291	3430	3435	3437	rBV	143882	263200	1.78%	0.149%
98	23.344	3437	3444	3458	rVB2	2501724	5325015	36.00%	3.013%
99	23.480	3461	3467	3474	rBV	1425665	2603287	17.60%	1.473%
100	24.091	3567	3571	3579	rVB9	118548	266671	1.80%	0.151%

Sum of corrected areas: 176751621

LSC Report - Integrated Chromatogram

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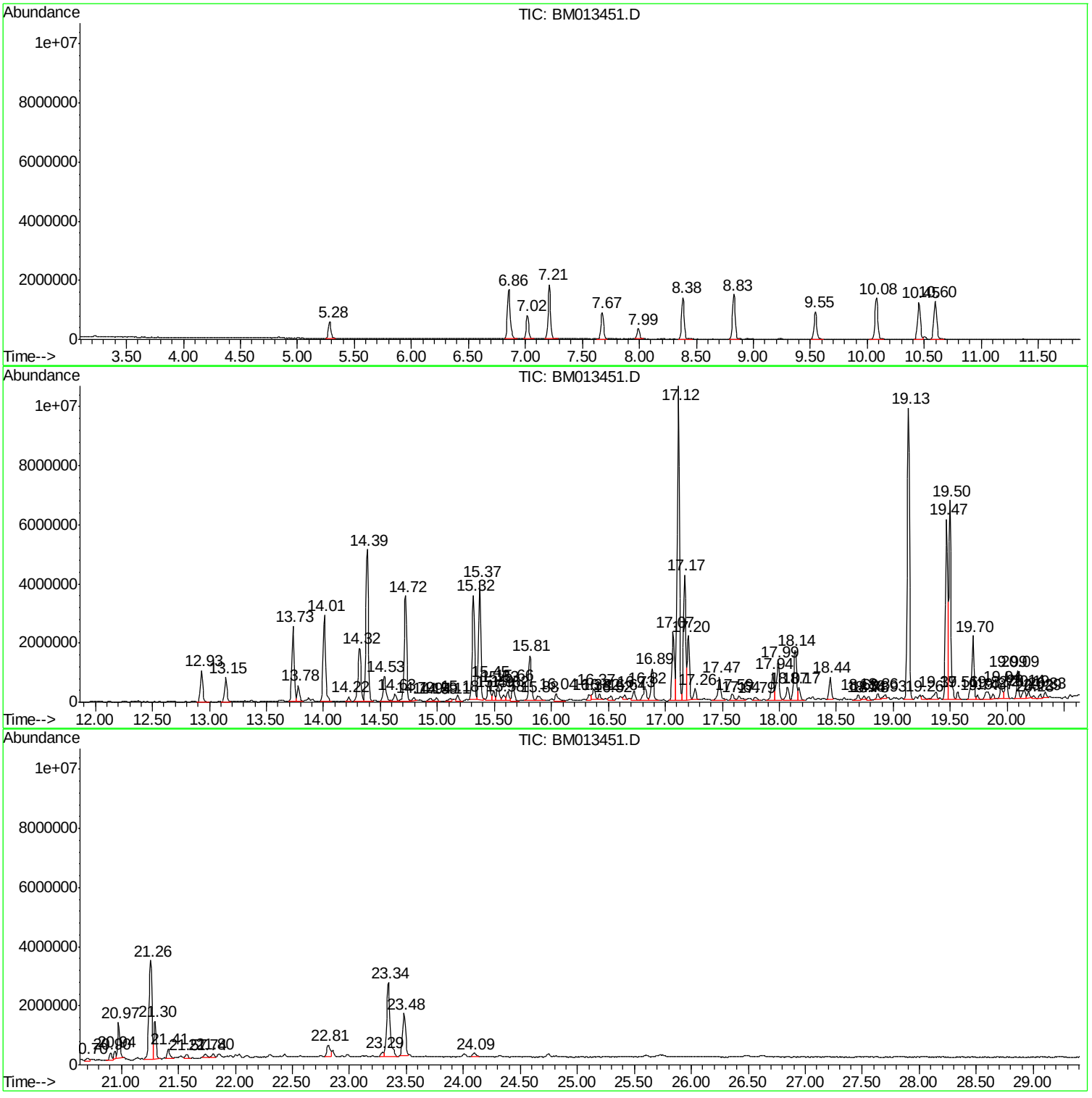
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013451.D
Acq On : 15 Dec 2017 22:44
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

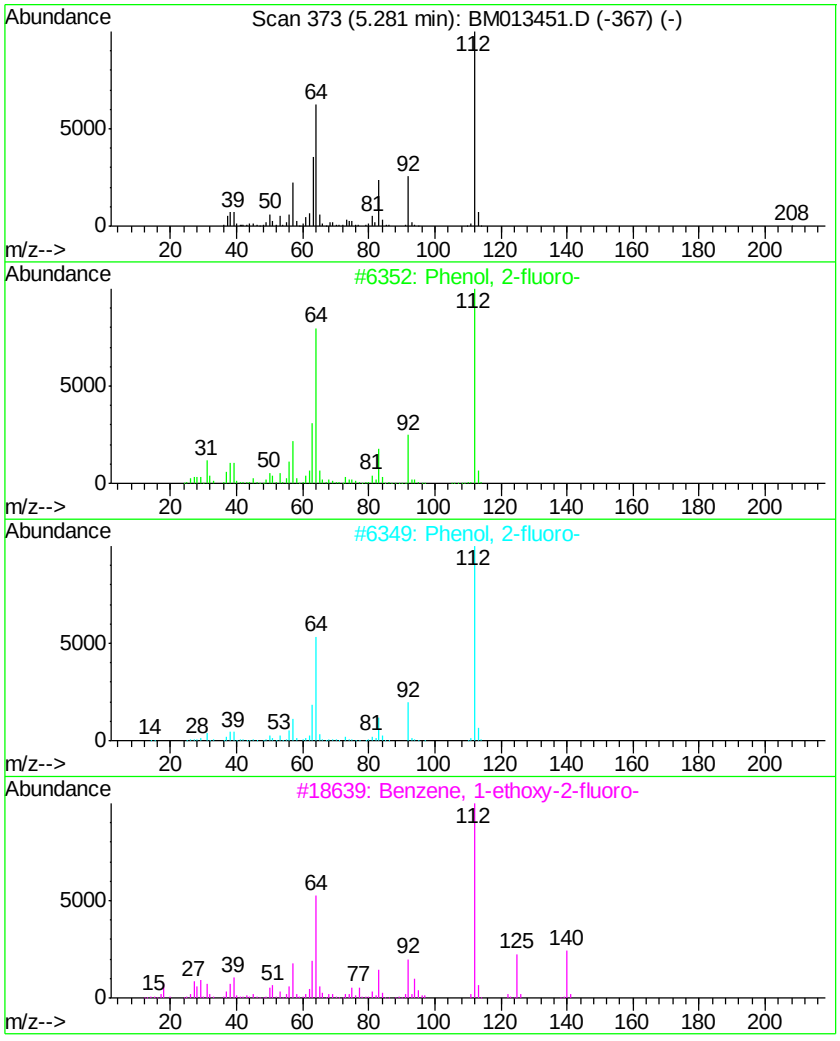
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

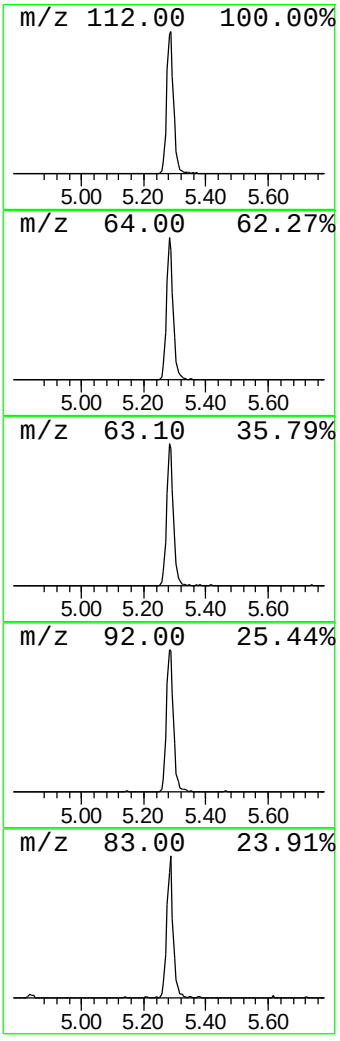
****

Peak Number 1 Phenol, 2-fluoro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	12.21 ng/ul	871849	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-fluoro-	112	C6H5FO	000367-12-4	90
2	Phenol, 2-fluoro-	112	C6H5FO	000367-12-4	87
3	Benzene, 1-ethoxy-2-fluoro-	140	C8H9FO	000451-80-9	83
4	Phenol, 4-fluoro-	112	C6H5FO	000371-41-5	27
5	Propanoic acid, 2-chloro-	108	C3H5ClO2	000598-78-7	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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

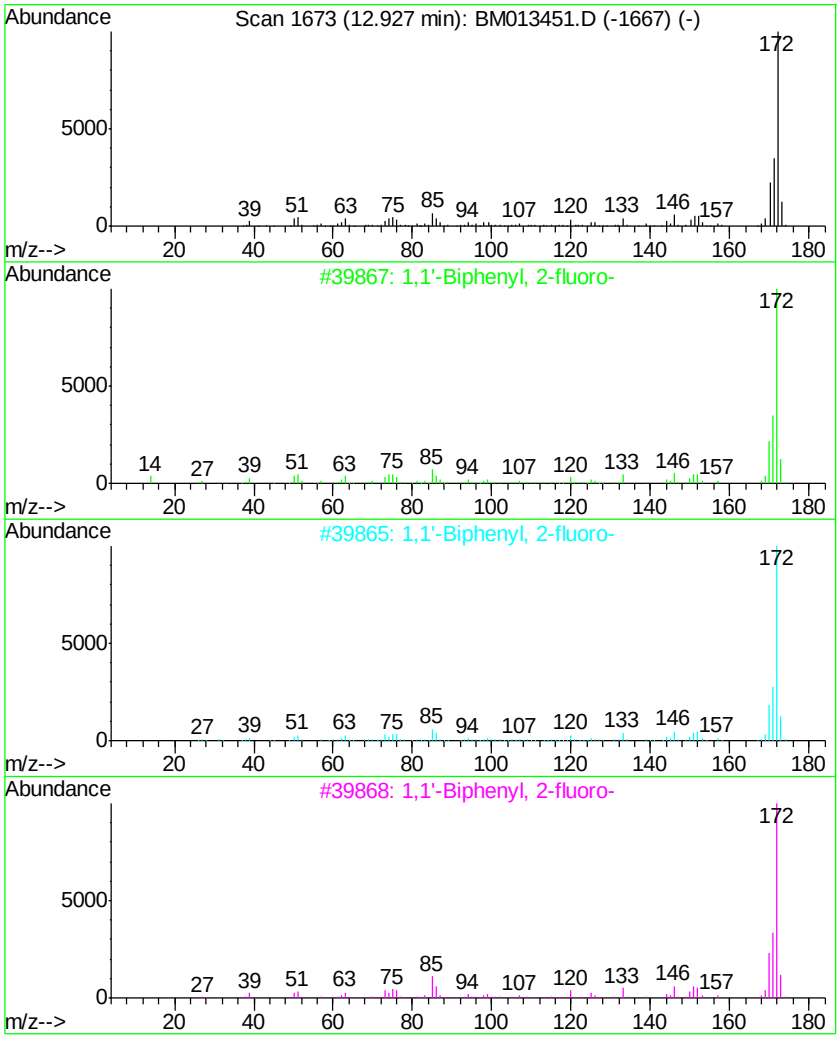
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

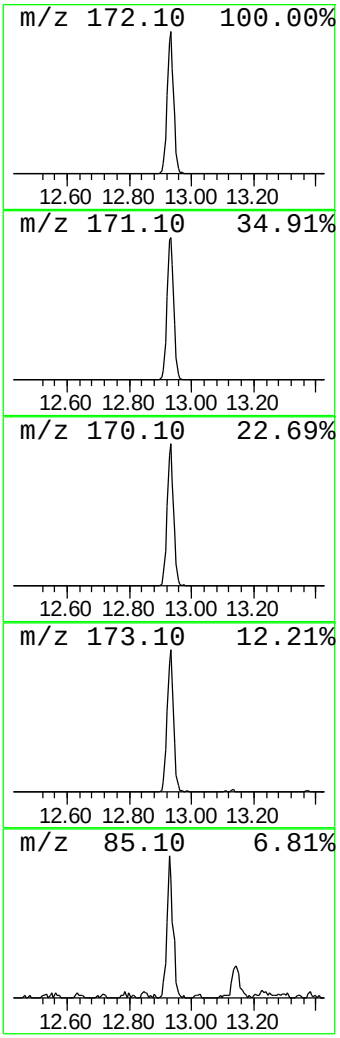
****

Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	9.88 ng/ul	1582300	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
3	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	94
4	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	93
5	4-(2-Hydroxyphenyl)pyrimidine	172	C10H8N2O	068535-55-7	59





Library Search Compound Report

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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
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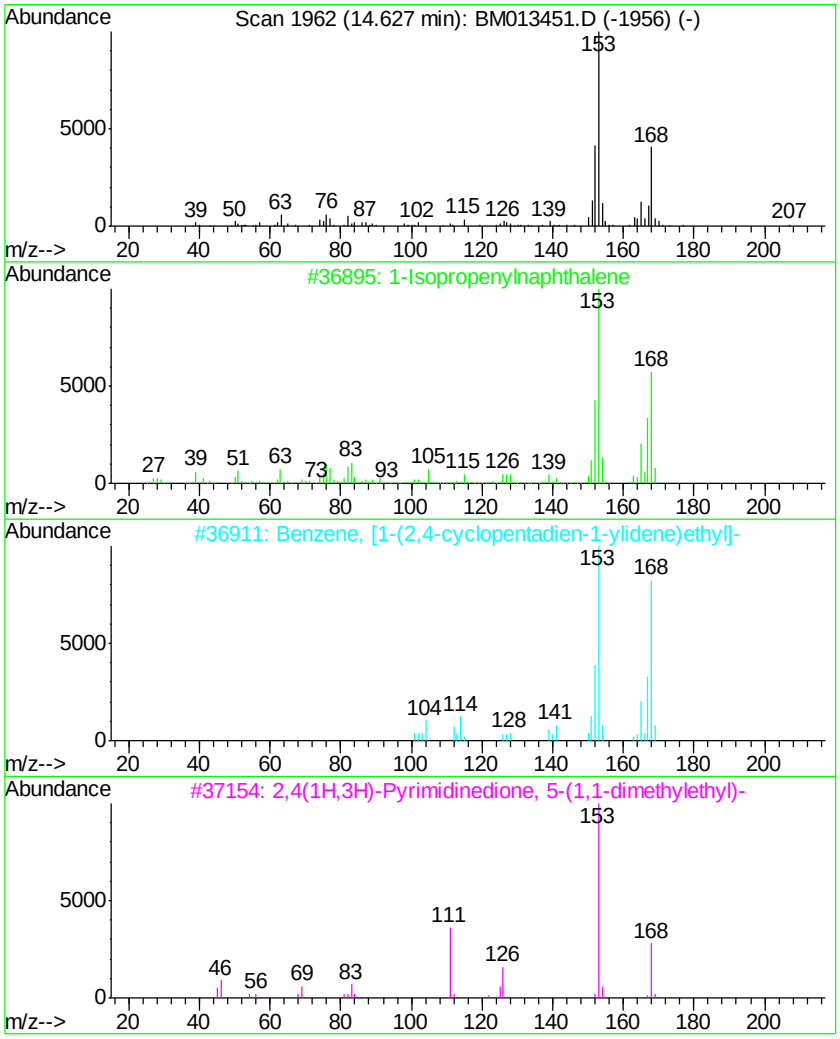
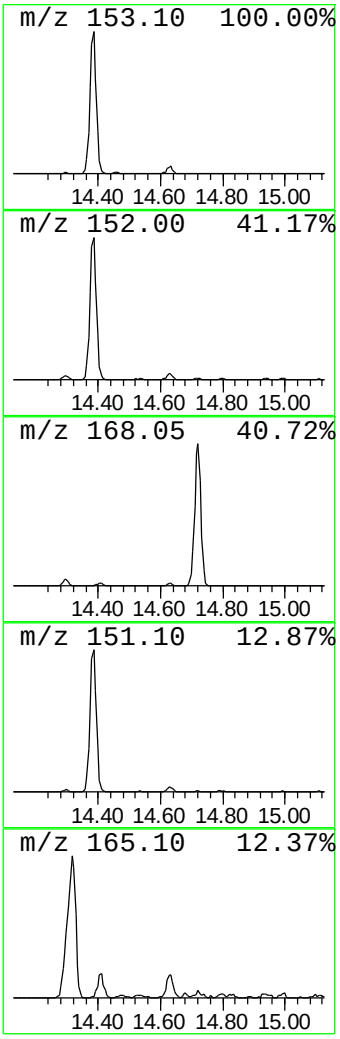
Peak Number 4 1-Isopropenylnaphthalene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	2.37 ng/ul	379920	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	86
3	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Sample : I6775-09
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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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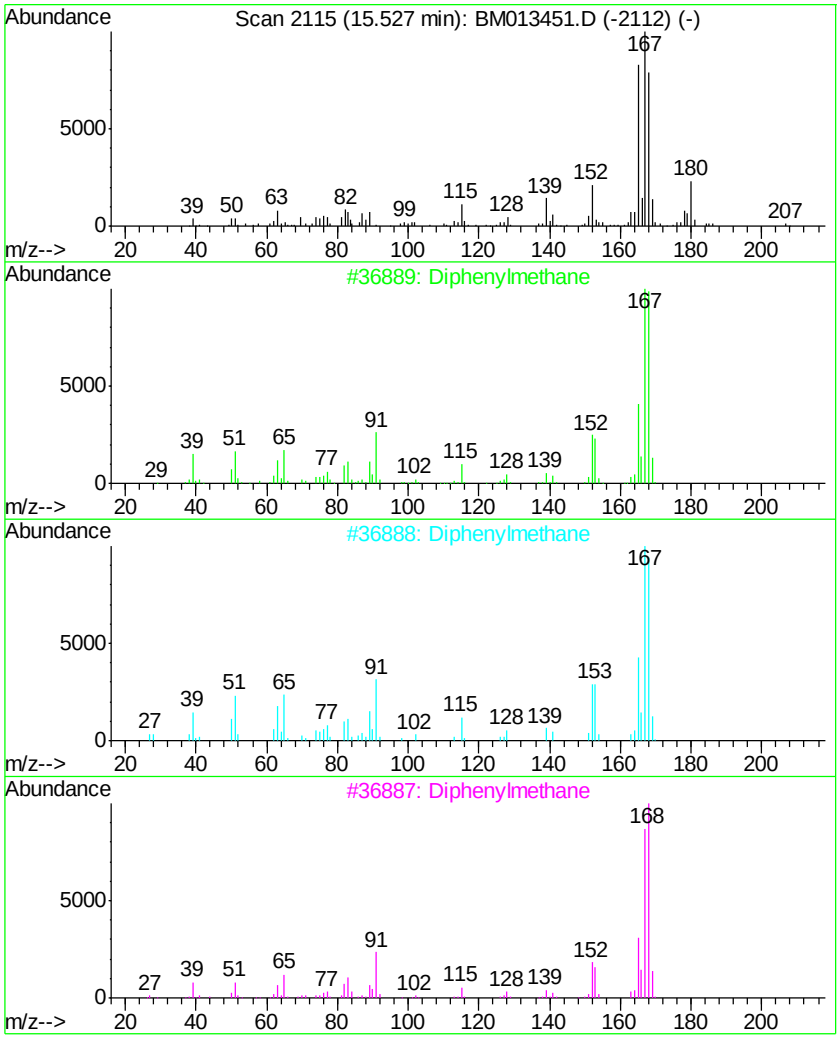
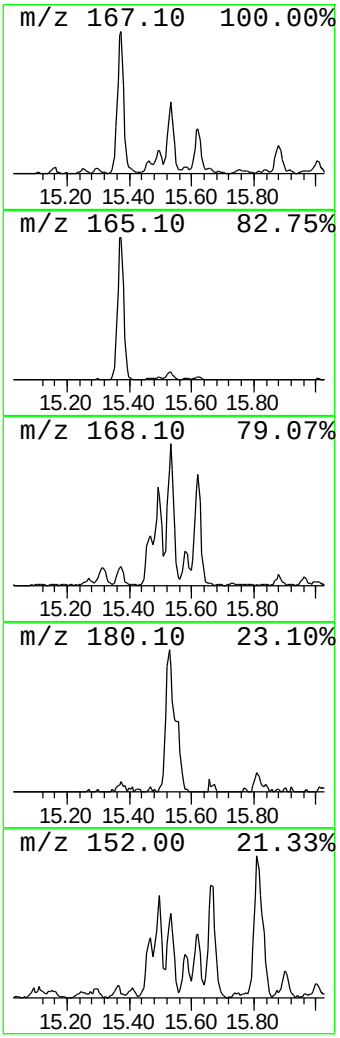
Peak Number 5 Diphenylmethane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	4.73 ng/ul	758139	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Diphenylmethane	168	C13H12	000101-81-5	70
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Diphenylmethane	168	C13H12	000101-81-5	64
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013451.D
Acq On : 15 Dec 2017 22:44
Operator : SJ/JU
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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

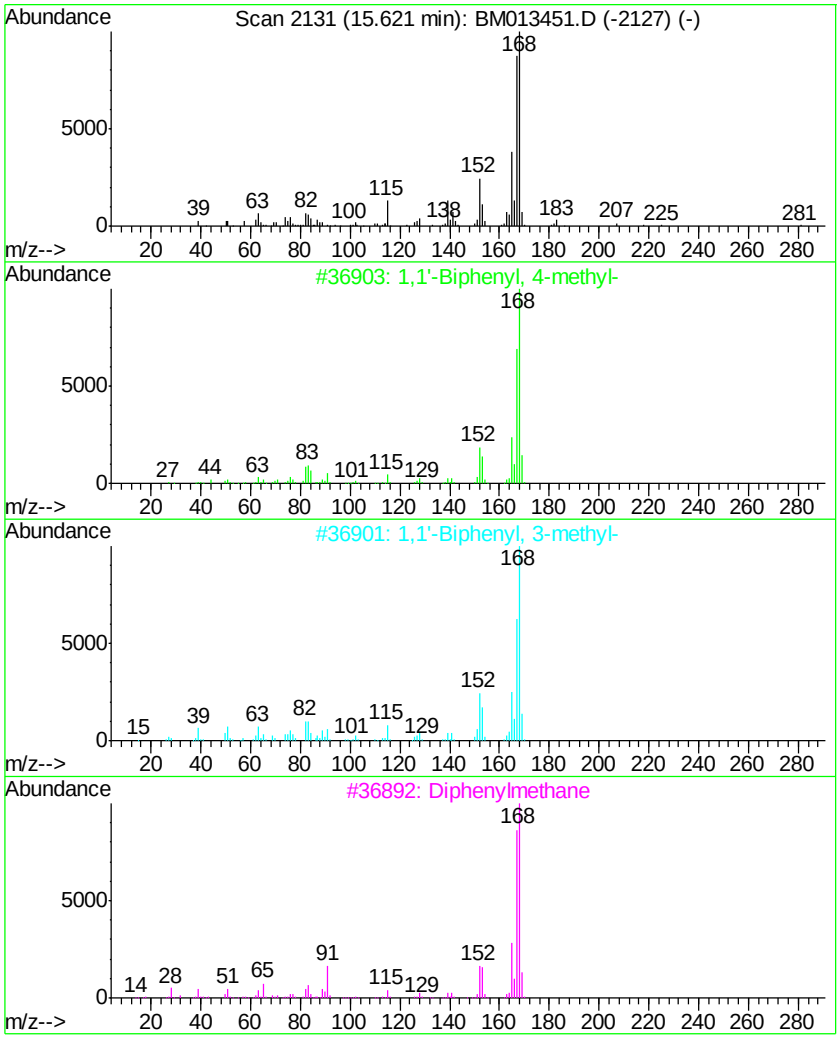
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

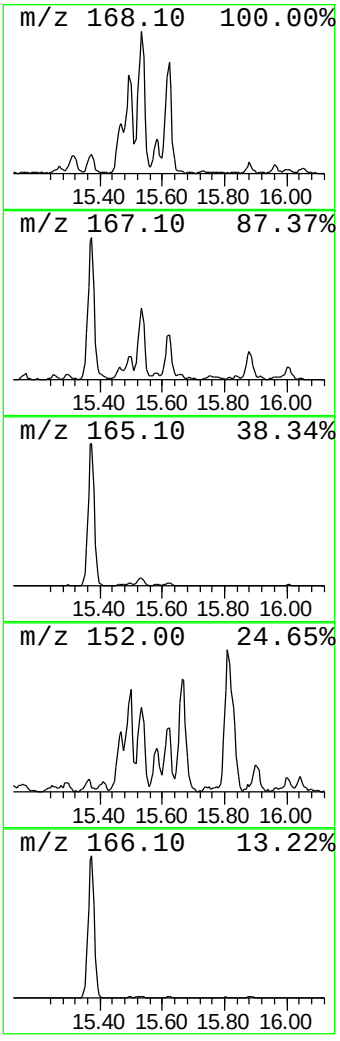
****

Peak Number 7 1,1'-Biphenyl, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	2.87 ng/ul	459640	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Diphenylmethane	168	C13H12	000101-81-5	64
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64





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Acq On : 15 Dec 2017 22:44
Operator : SJ/JU
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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Quant Title : SVOA CALIBRATION

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

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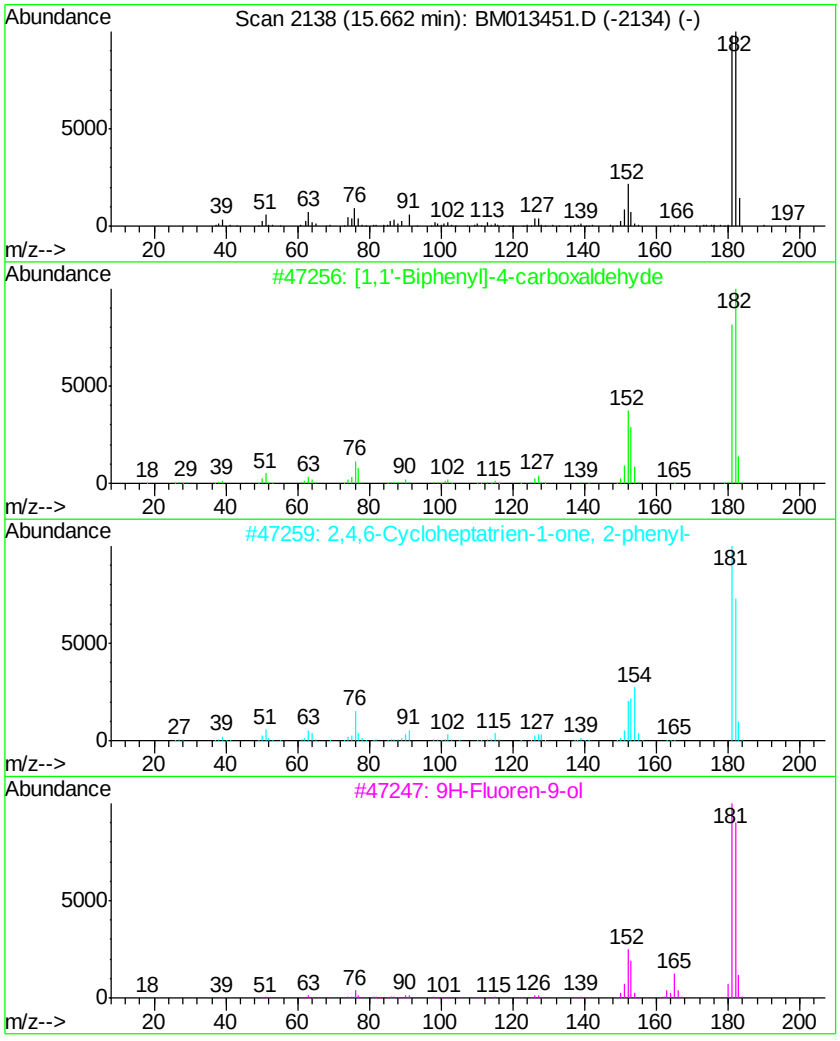
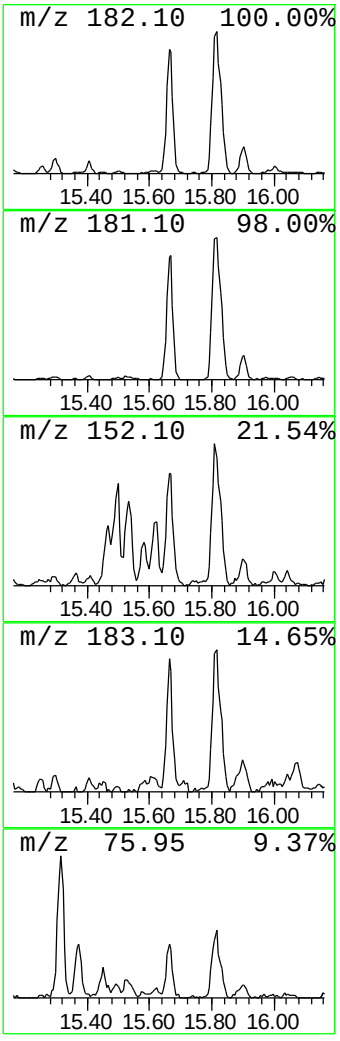
Peak Number 8 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	5.34 ng/ul	854392	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	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72





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Instrument : BNA_M
ClientSampleId : F9A12

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Quant Title : SVOA CALIBRATION

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

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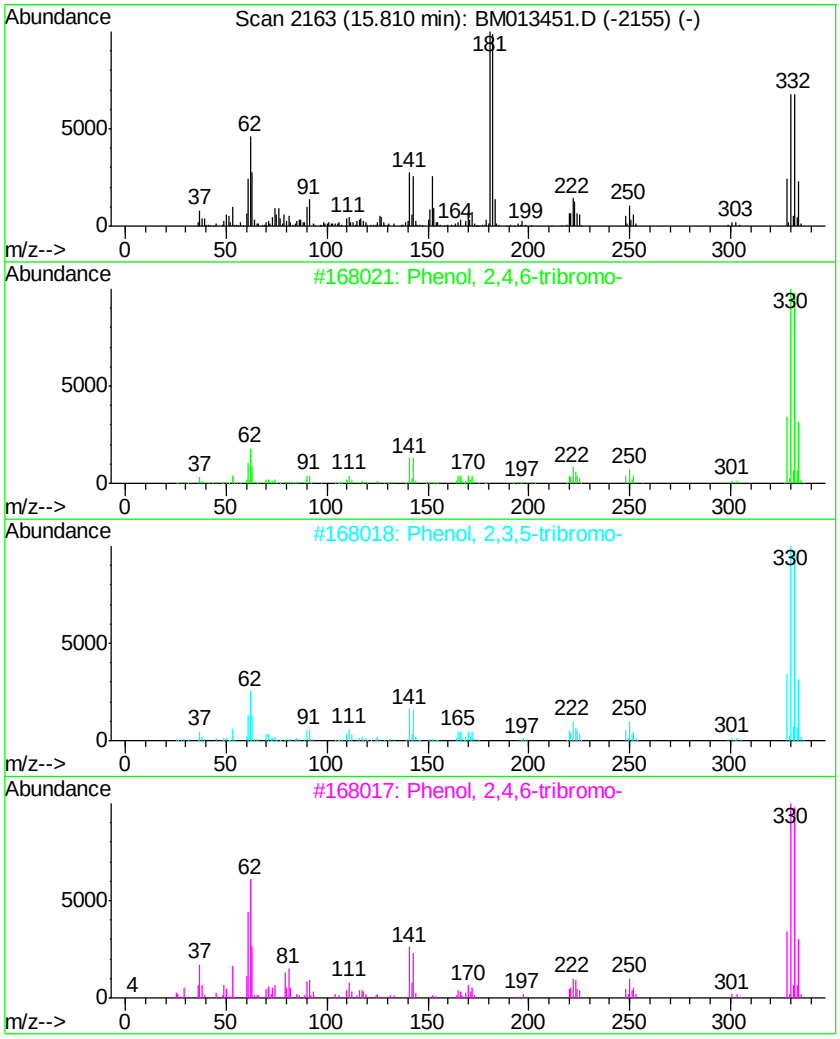
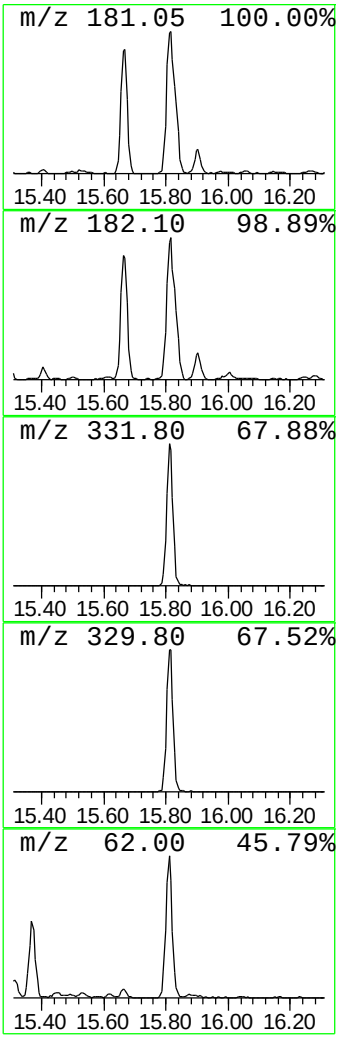
Peak Number 9 Phenol, 2,4,6-tribromo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	14.61 ng/ul	2530810	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	97
2	Phenol, 2,3,5-tribromo-	328	C6H3Br3O	057383-81-0	97
3	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	97
4	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	97
5	2,4,6-Tribromo-2,5-cyclohexadienone	328	C6H3Br3O	020244-61-5	93





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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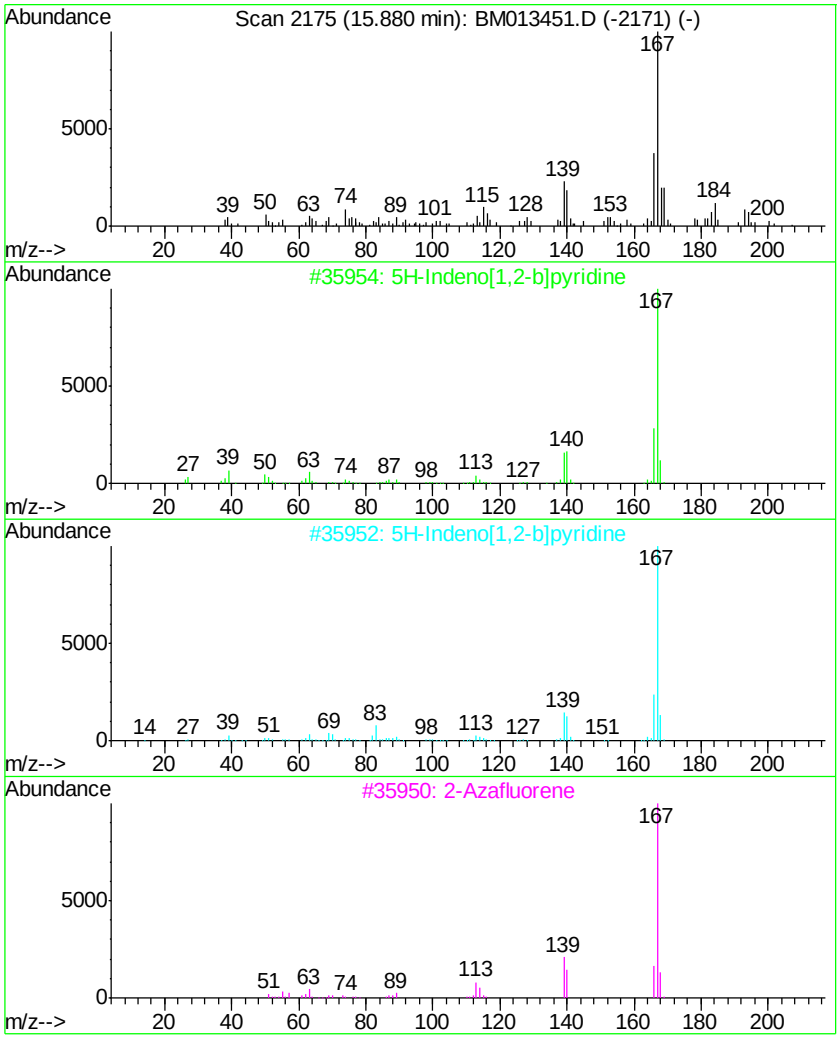
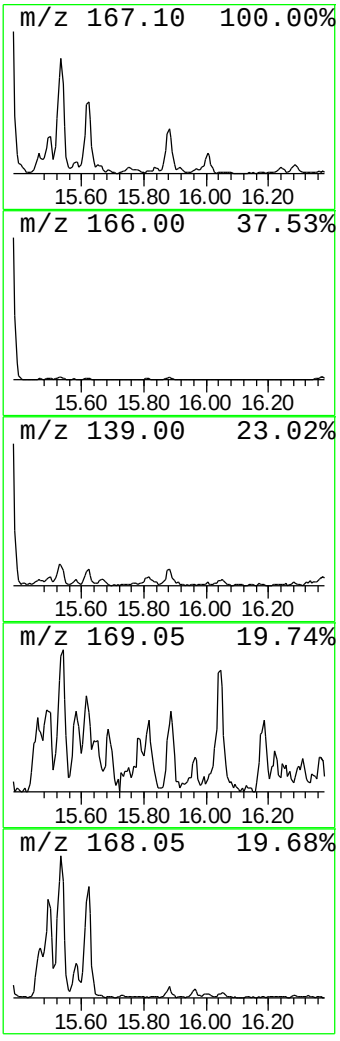
Peak Number 10 5H-Indeno[1,2-b]pyridine Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.27 ng/ul	393635	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	70
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	70
3	2-Azafluorene	167	C12H9N	000244-40-6	70
4	Carbazole	167	C12H9N	000086-74-8	70
5	Carbazole	167	C12H9N	000086-74-8	64





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ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId : F9A12

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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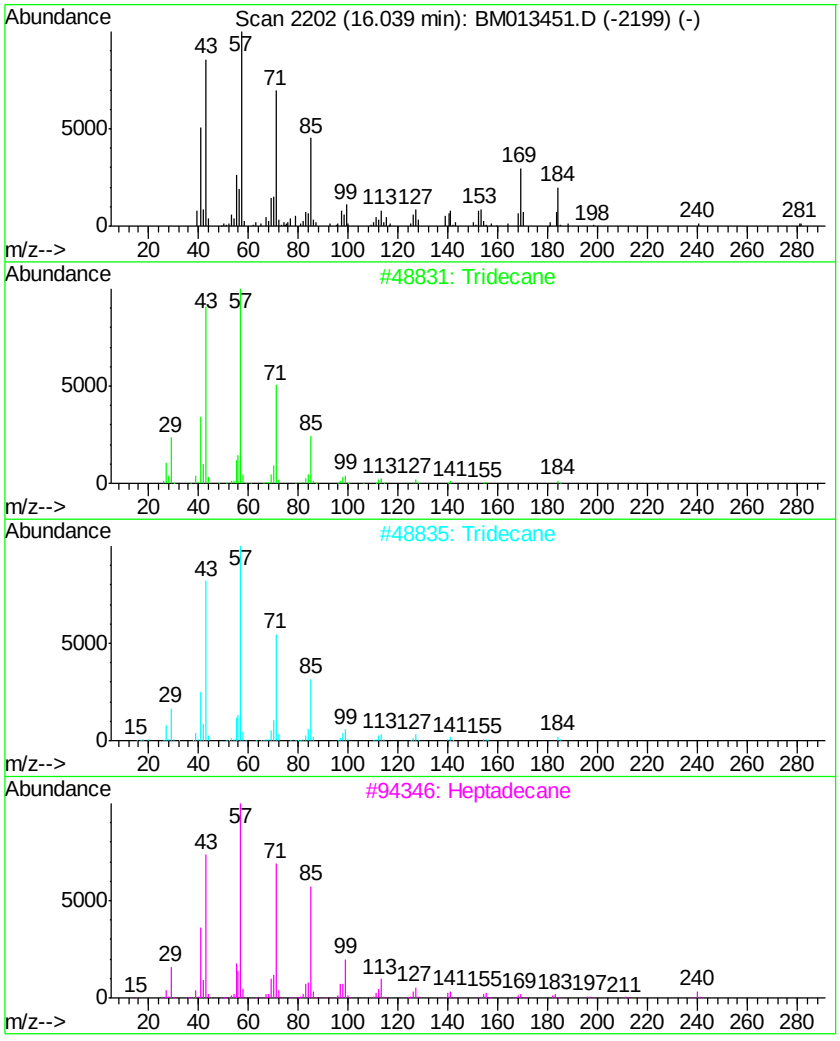
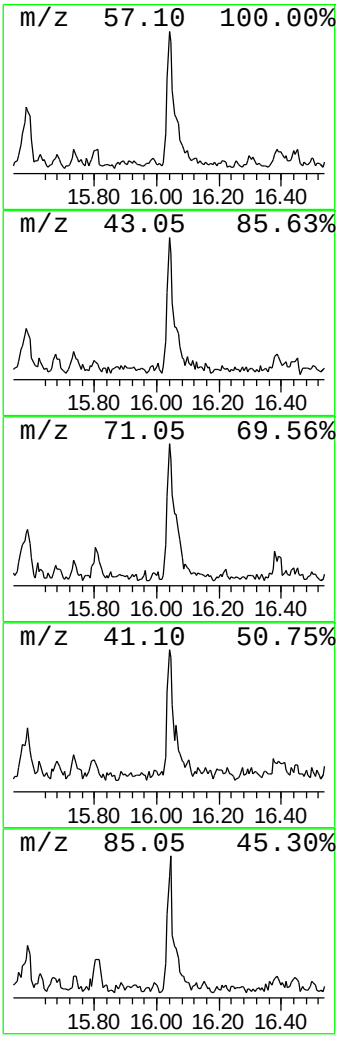
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.66 ng/ul	461244	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	62
2	Tridecane	184	C13H28	000629-50-5	58
3	Heptadecane	240	C17H36	000629-78-7	55
4	Pentadecane	212	C15H32	000629-62-9	53
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	50





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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Quant Title : SVOA CALIBRATION

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

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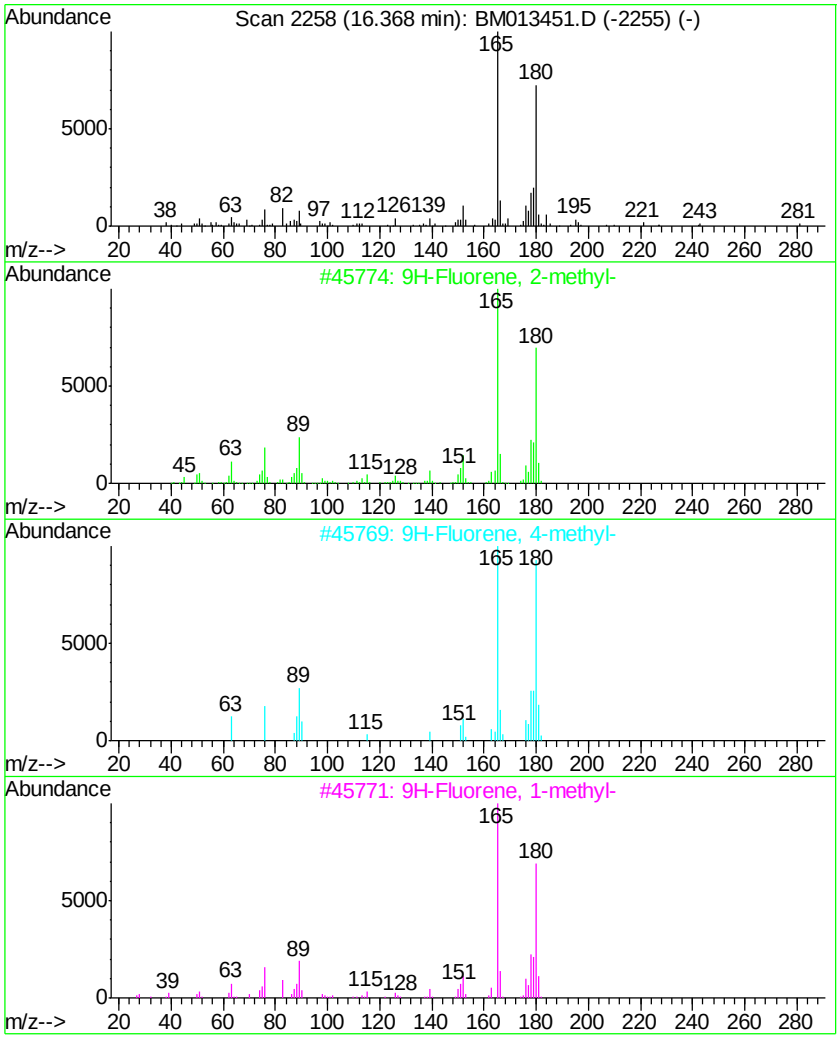
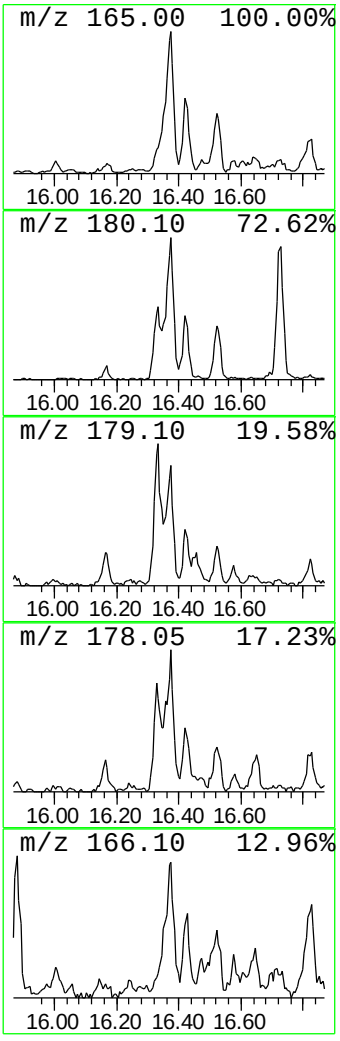
Peak Number 12 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	3.55 ng/ul	614323	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	87
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74





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Instrument : BNA_M
ClientSampleId : F9A12

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Quant Title : SVOA CALIBRATION

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

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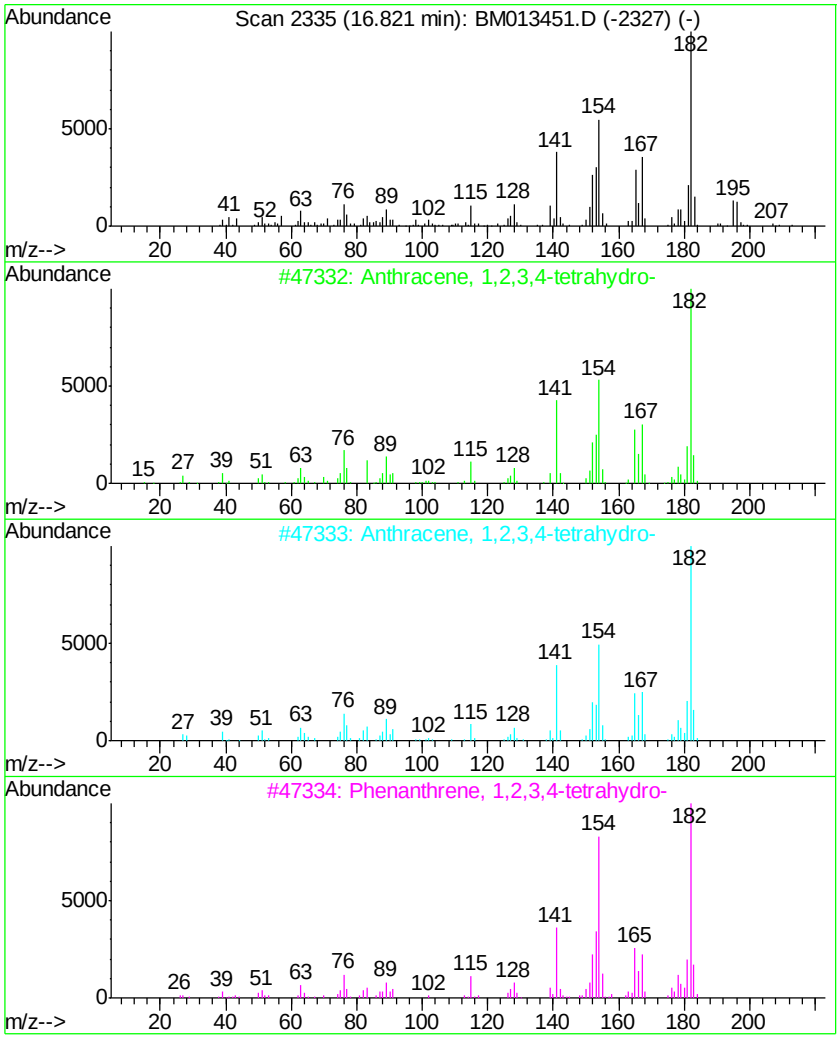
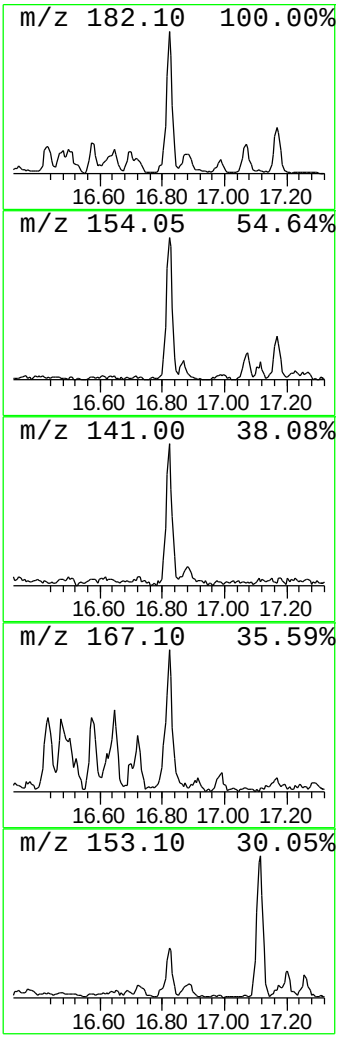
Peak Number 13 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	4.90 ng/ul	848871	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	89
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	51





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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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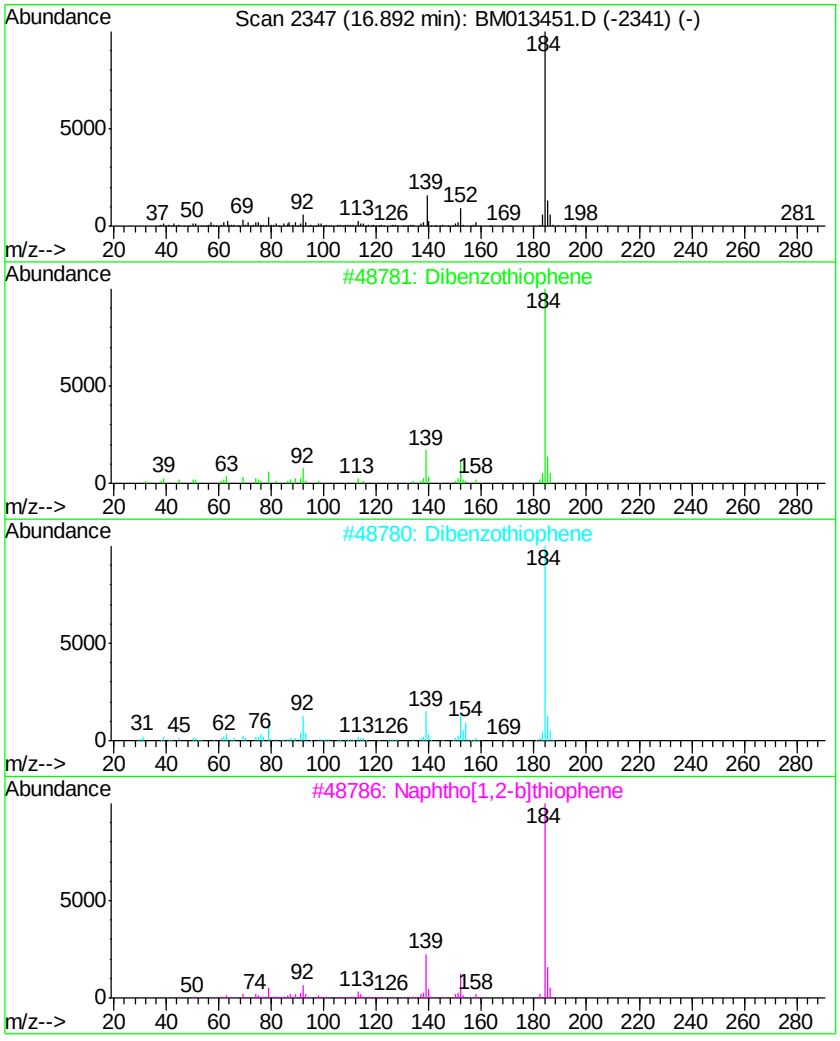
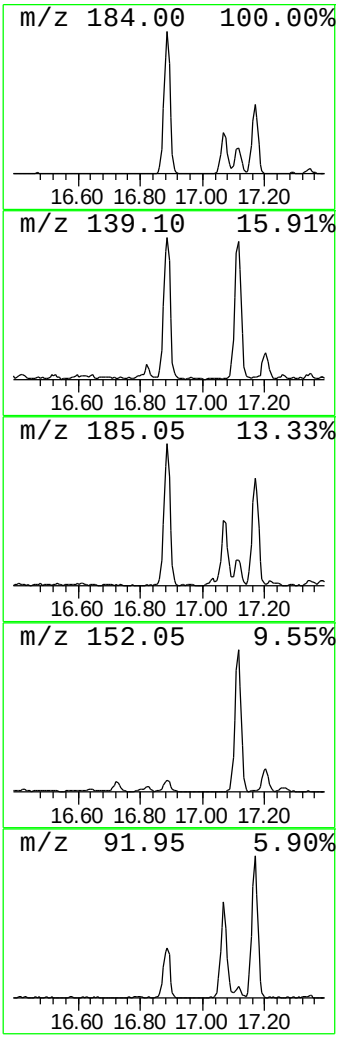
Peak Number 14 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	9.58 ng/ul	1658970	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Instrument : BNA_M
ClientSampleId : F9A12

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Quant Title : SVOA CALIBRATION

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

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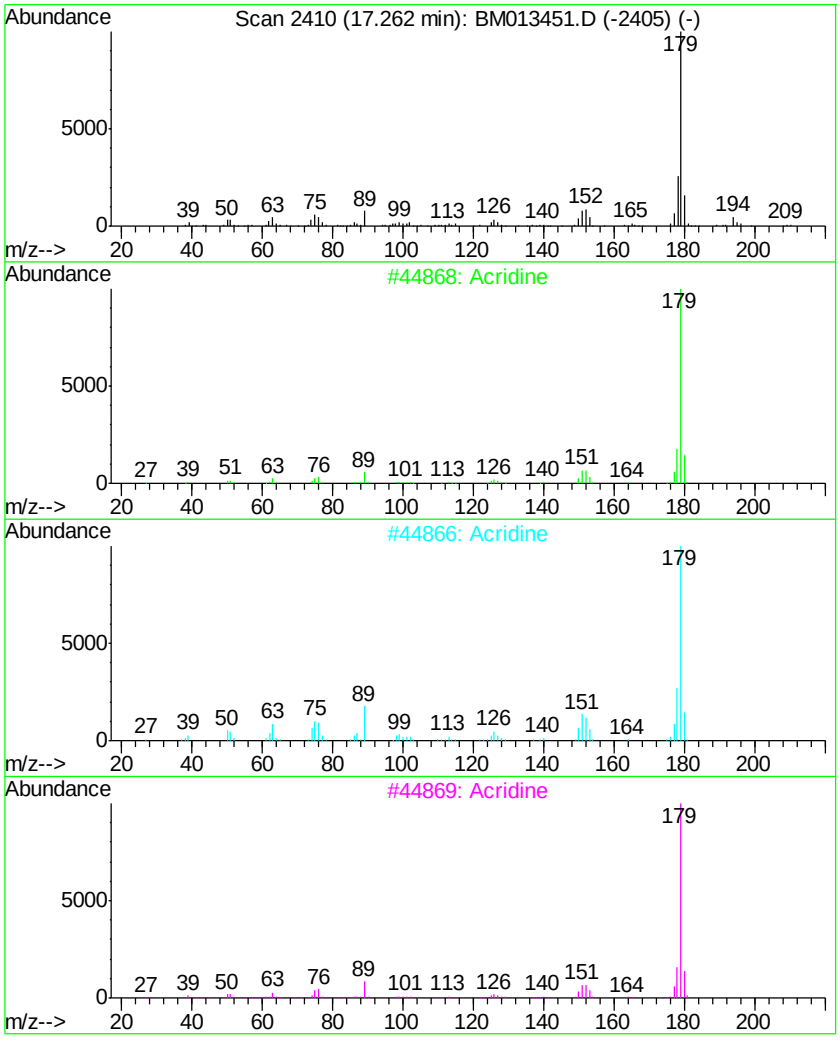
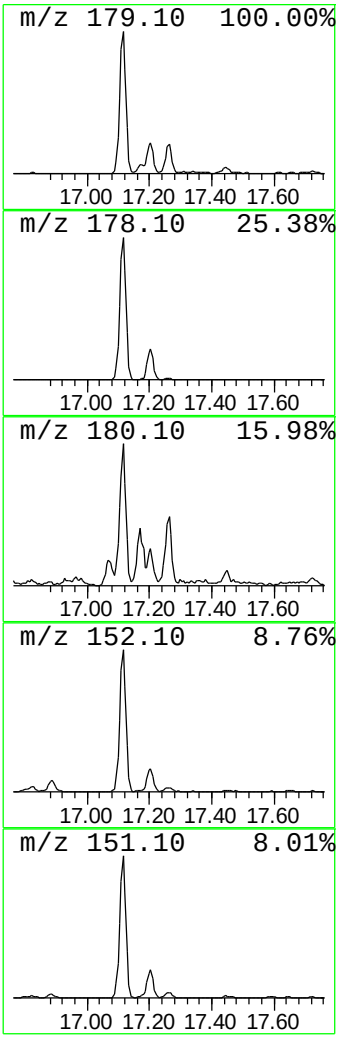
Peak Number 15 Acridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	3.33 ng/ul	577170	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Acridine	179	C13H9N	000260-94-6	95
3	Acridine	179	C13H9N	000260-94-6	93
4	Phenanthridine	179	C13H9N	000229-87-8	91
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	91





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Instrument : BNA_M
ClientSampleId : F9A12

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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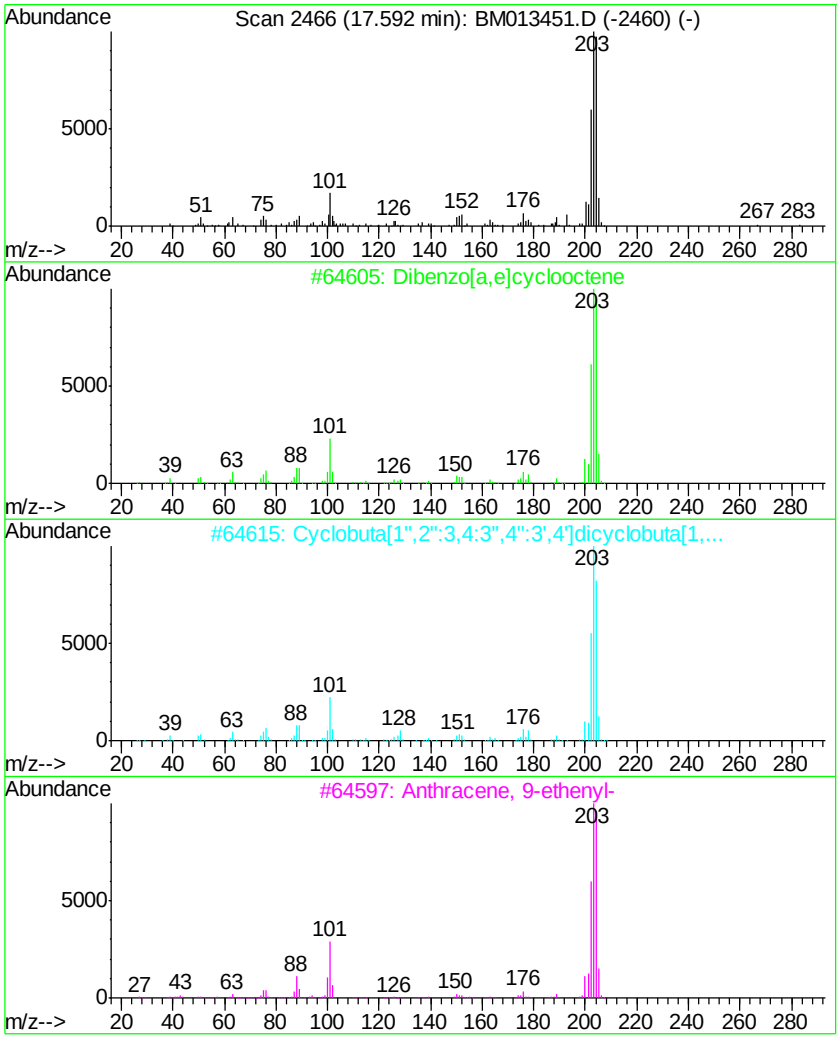
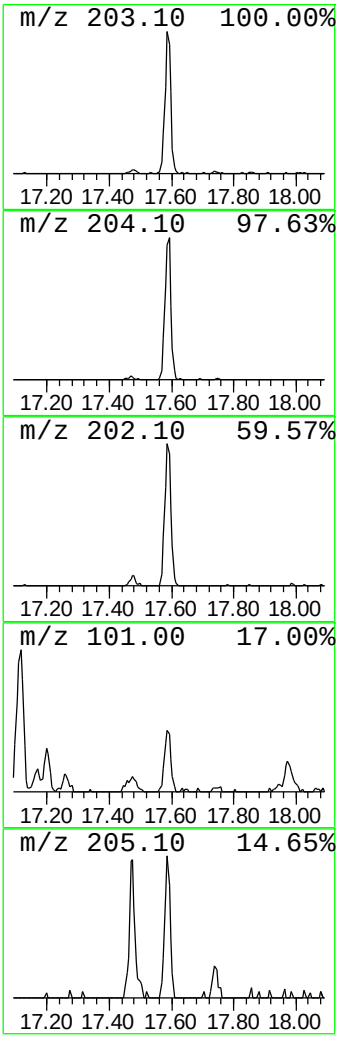
Peak Number 16 Dibenzo[a,e]cyclooctene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	2.01 ng/ul	347874	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	95
2	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	81
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	68
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	68
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	64





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Misc :
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Quant Title : SVOA CALIBRATION

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

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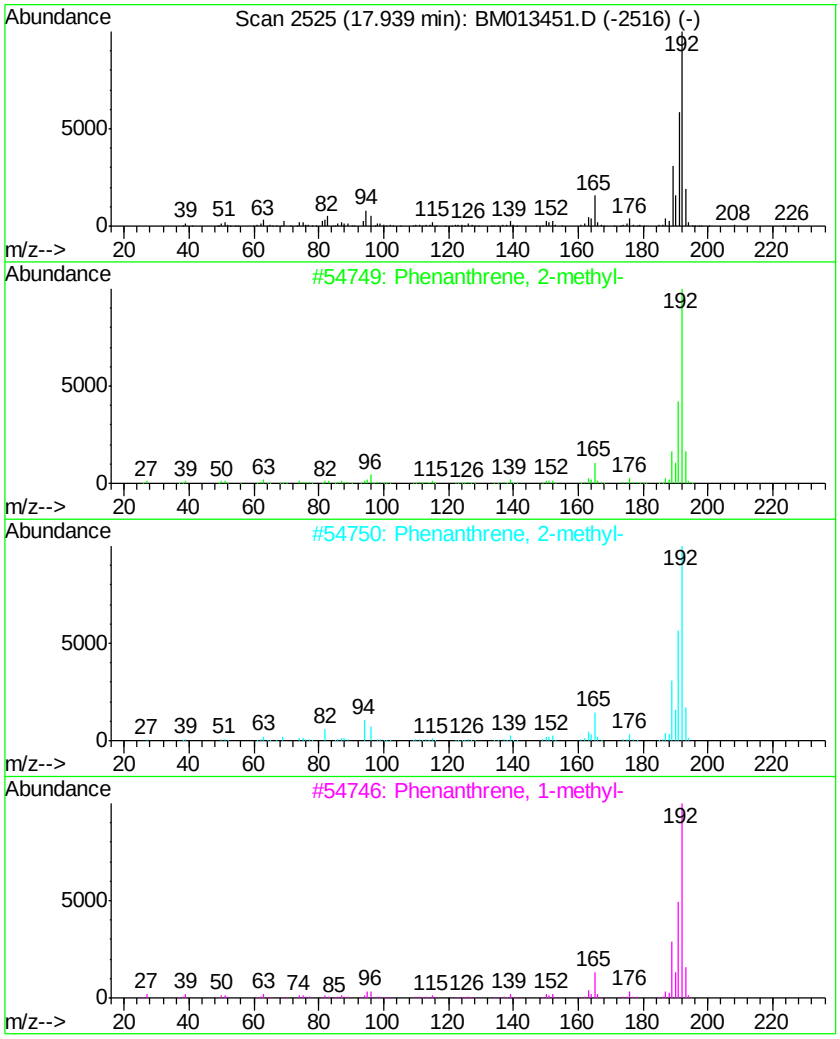
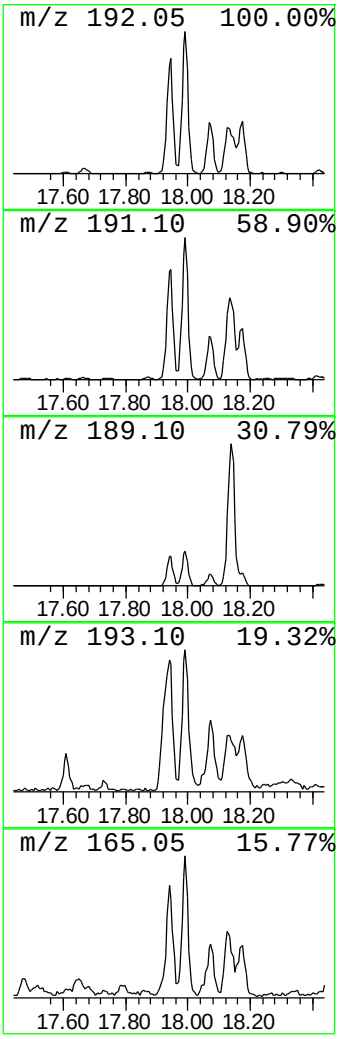
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	9.40 ng/ul	1628060	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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Quant Title : SVOA CALIBRATION

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

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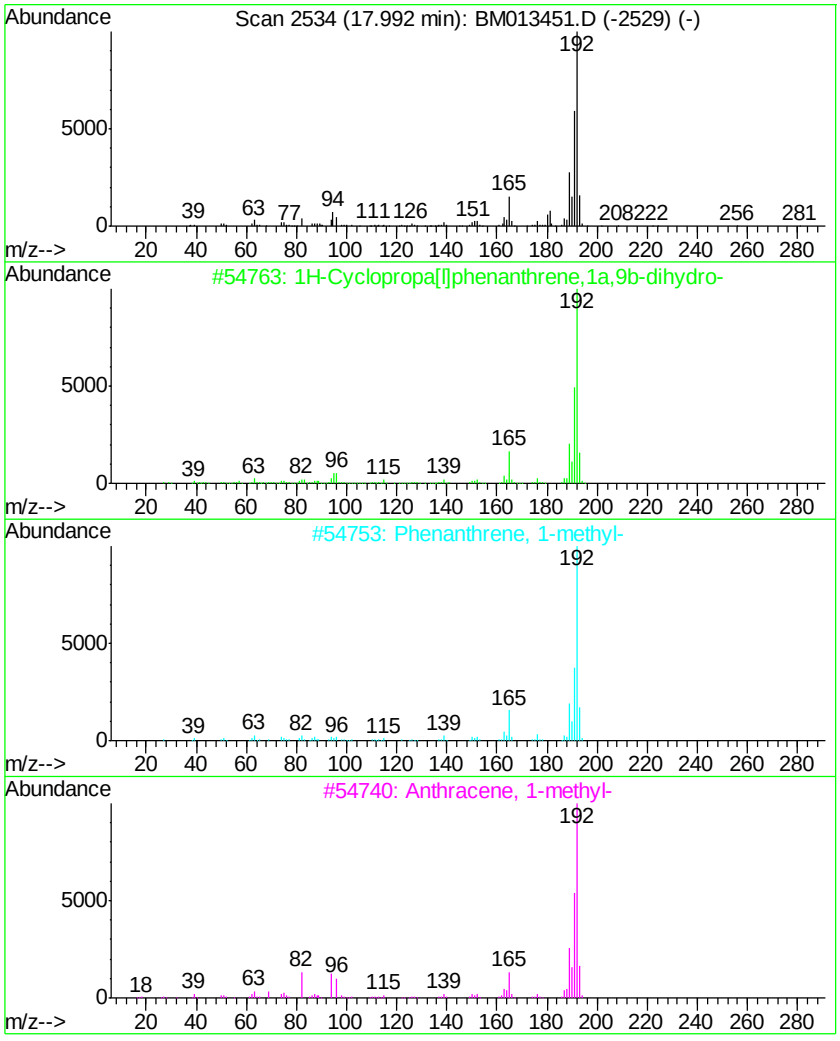
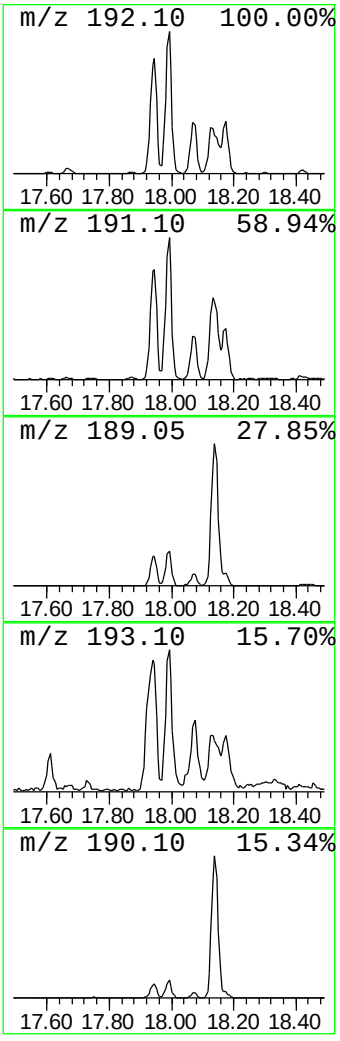
Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	12.83 ng/ul	2222760	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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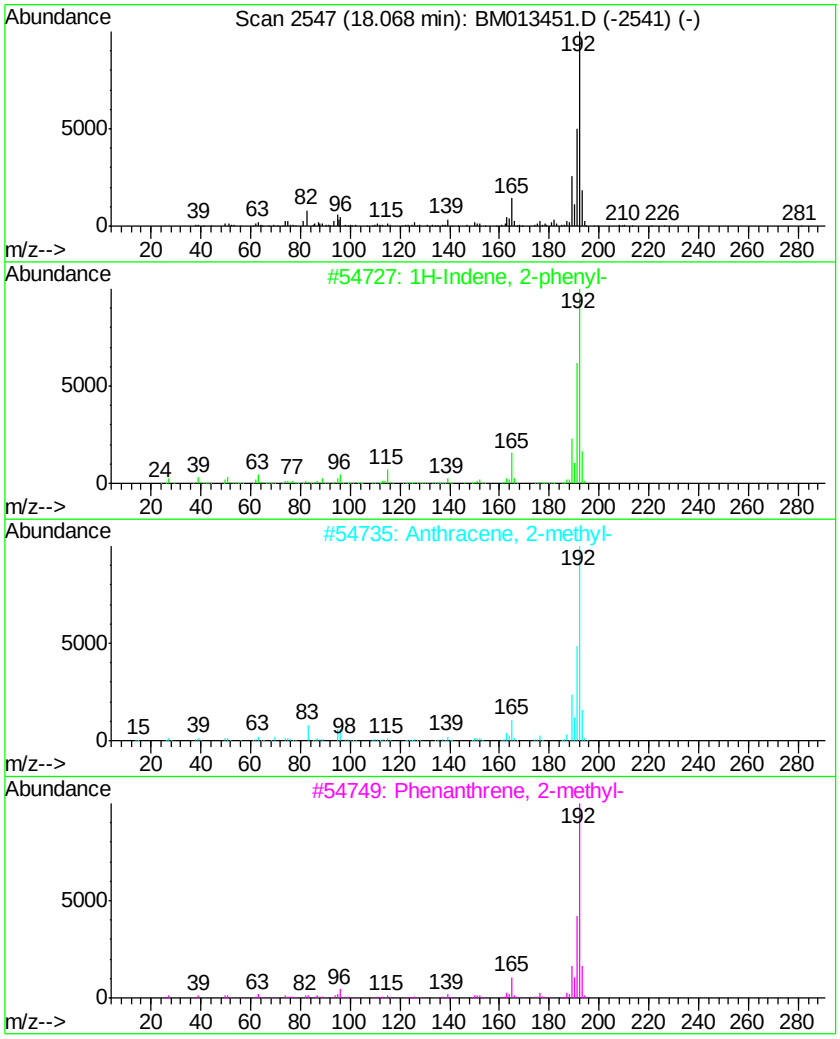
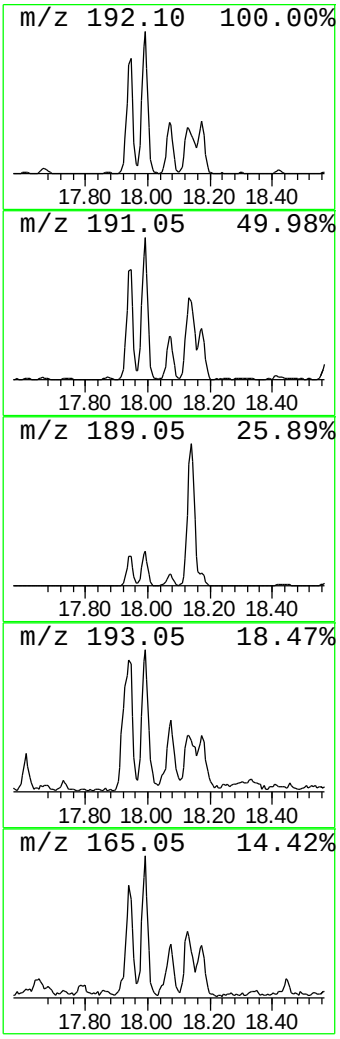
Peak Number 19 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.23 ng/ul	731915	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Data File : BM013451.D
Acq On : 15 Dec 2017 22:44
Operator : SJ/JU
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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

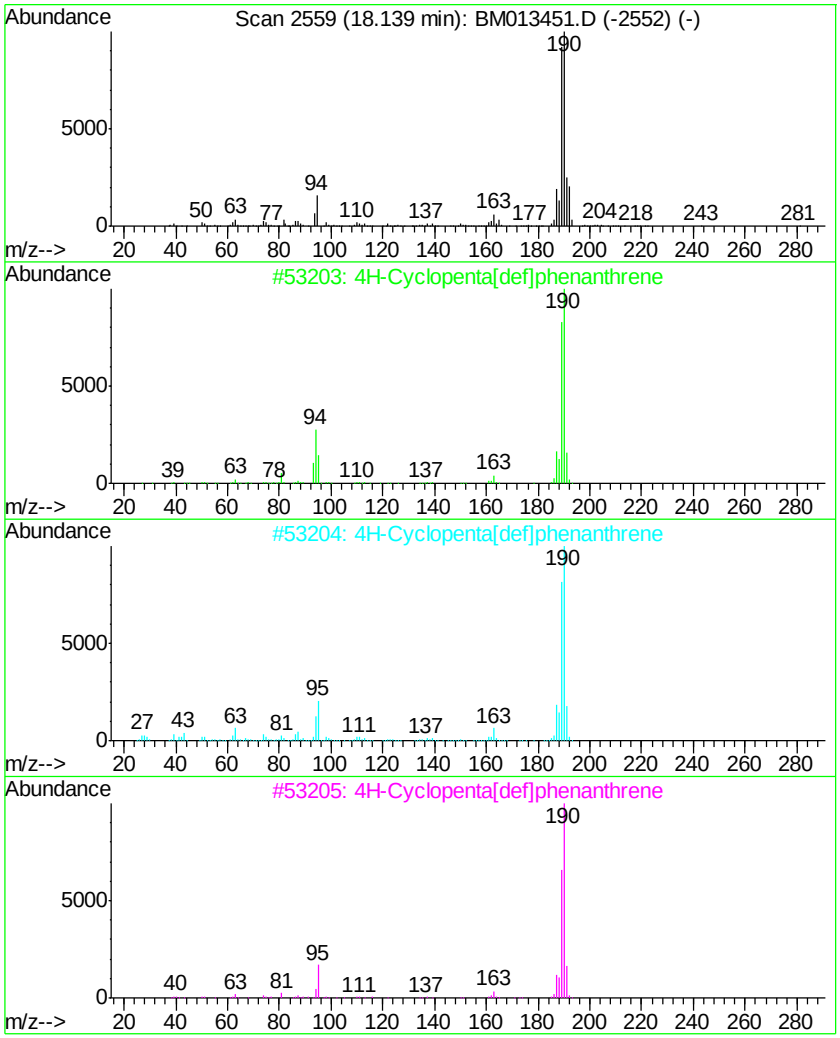
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

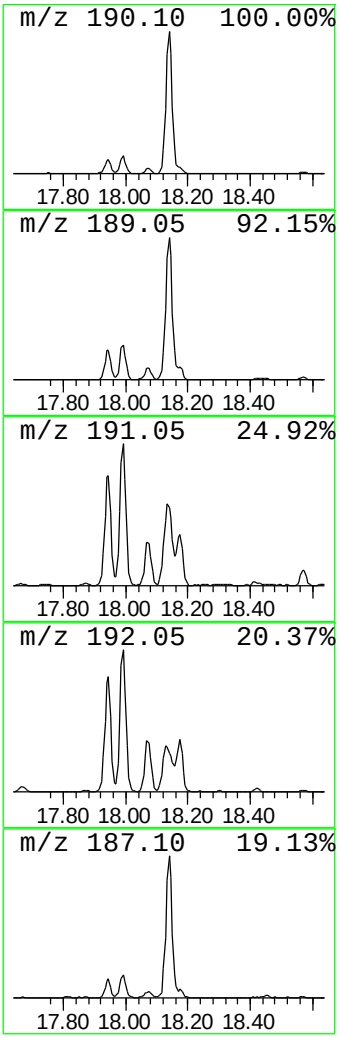
****

Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	16.65 ng/ul	2884480	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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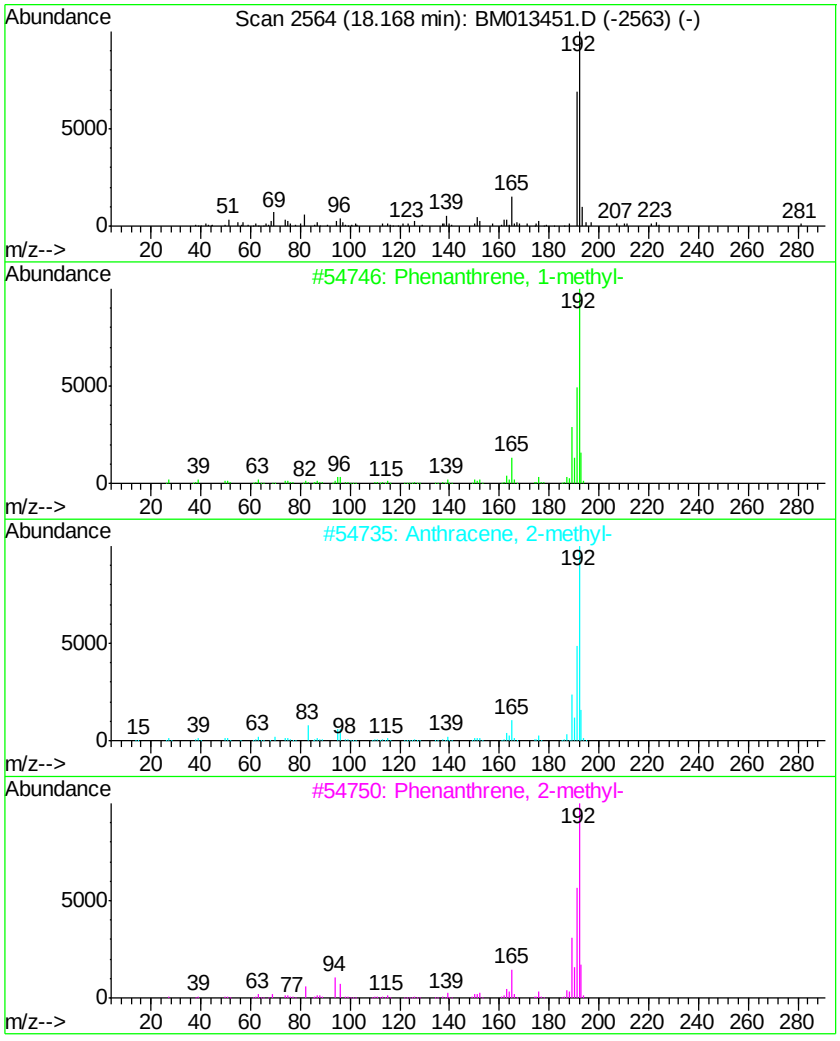
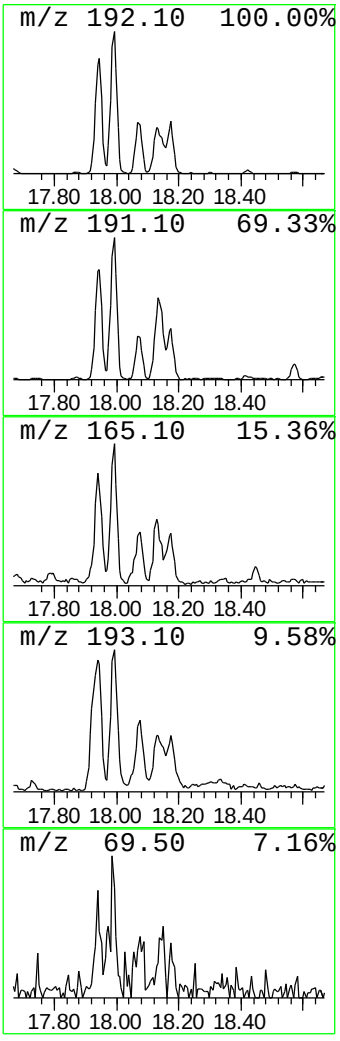
Peak Number 21 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.90 ng/ul	501964	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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

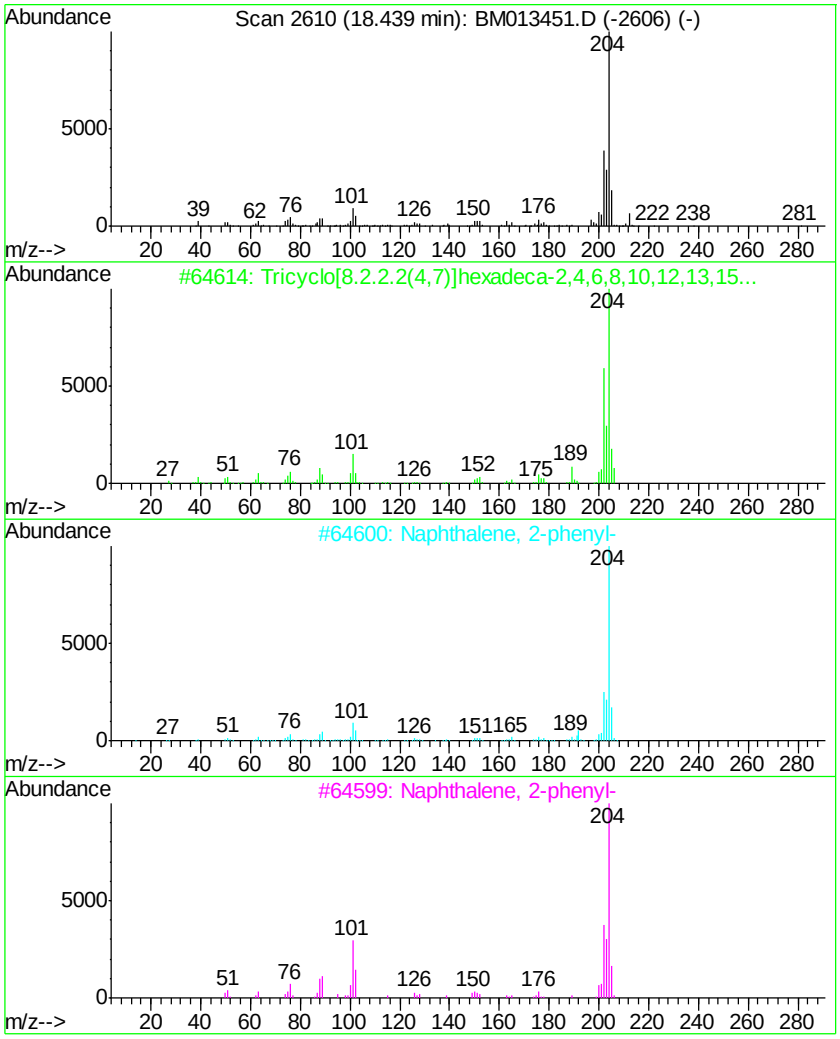
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

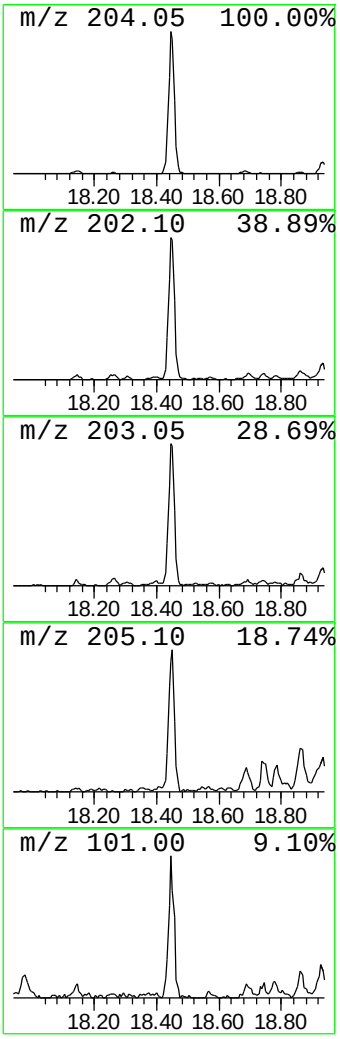
****

Peak Number 22 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	5.77 ng/ul	999326	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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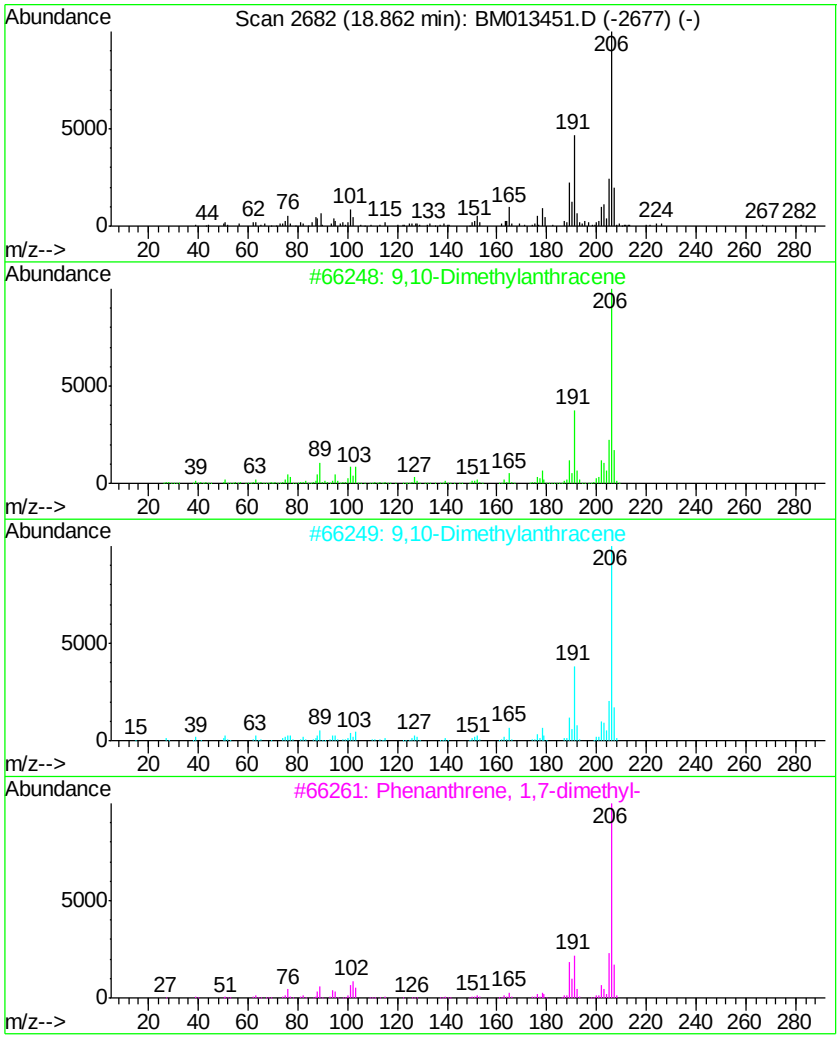
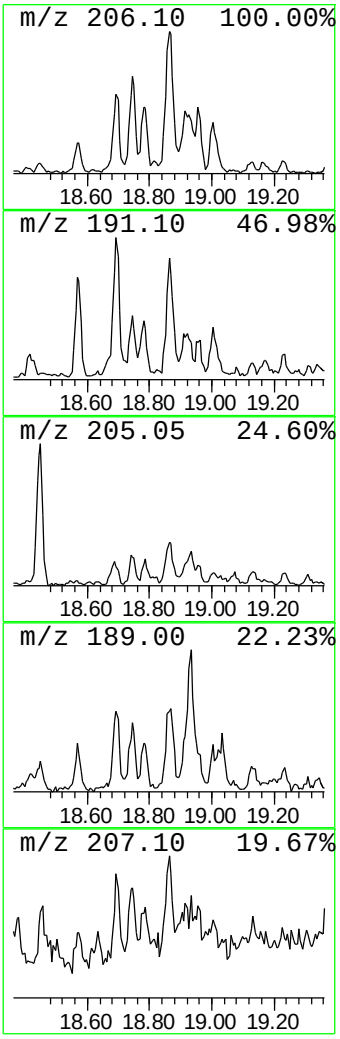
Peak Number 23 9,10-Dimethylanthracene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.16 ng/ul	373662	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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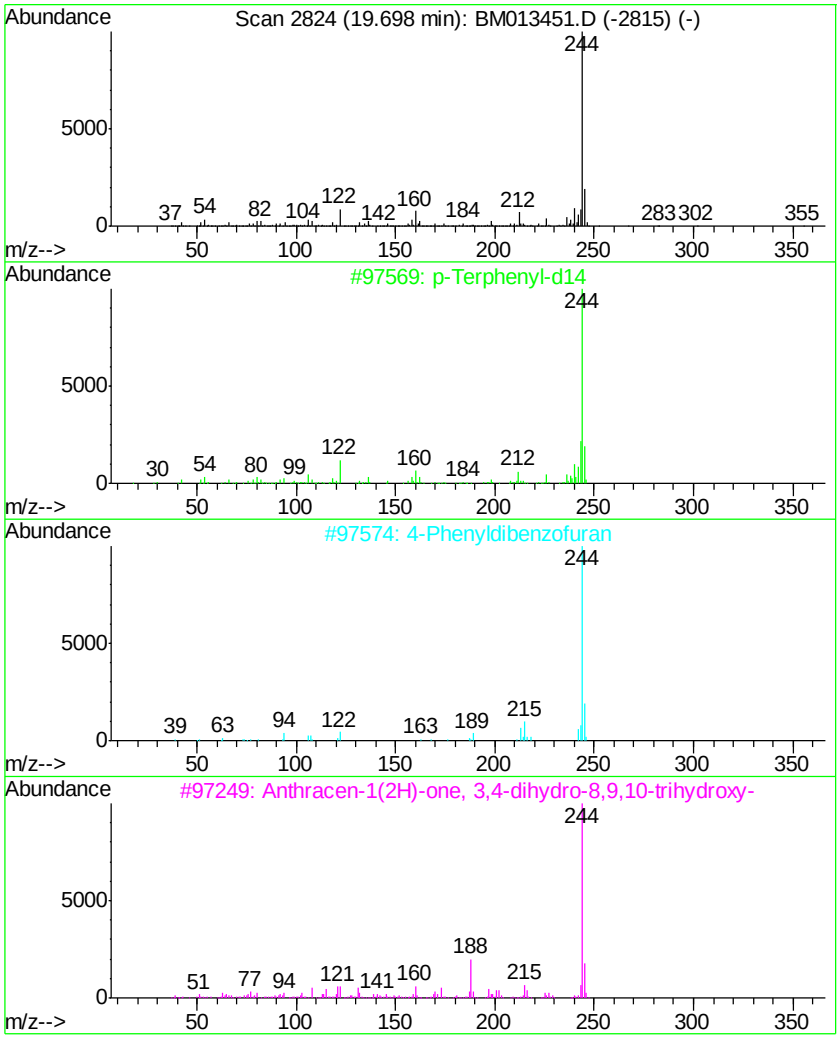
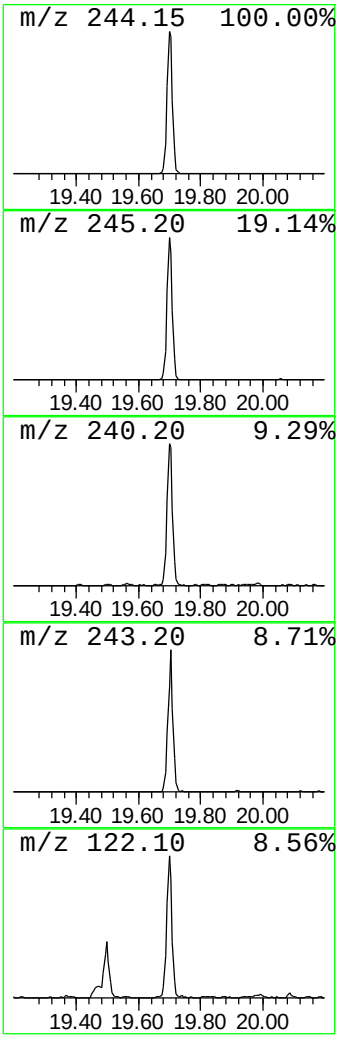
Peak Number 24 p-Terphenyl-d14 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	10.37 ng/ul	3197610	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Terphenyl-d14	244	C18D14	001718-51-0	87
2	4-Phenyldibenzofuran	244	C18H12O	1000314-39-5	72
3	Anthracen-1(2H)-one, 3,4-dihydro...	244	C14H12O4	037802-95-2	64
4	Benzidine, 3,3'-dimethoxy-	244	C14H16N2O2	000119-90-4	64
5	Benzidine, 3,3'-dimethoxy-	244	C14H16N2O2	000119-90-4	64





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Acq On : 15 Dec 2017 22:44
Operator : SJ/JU
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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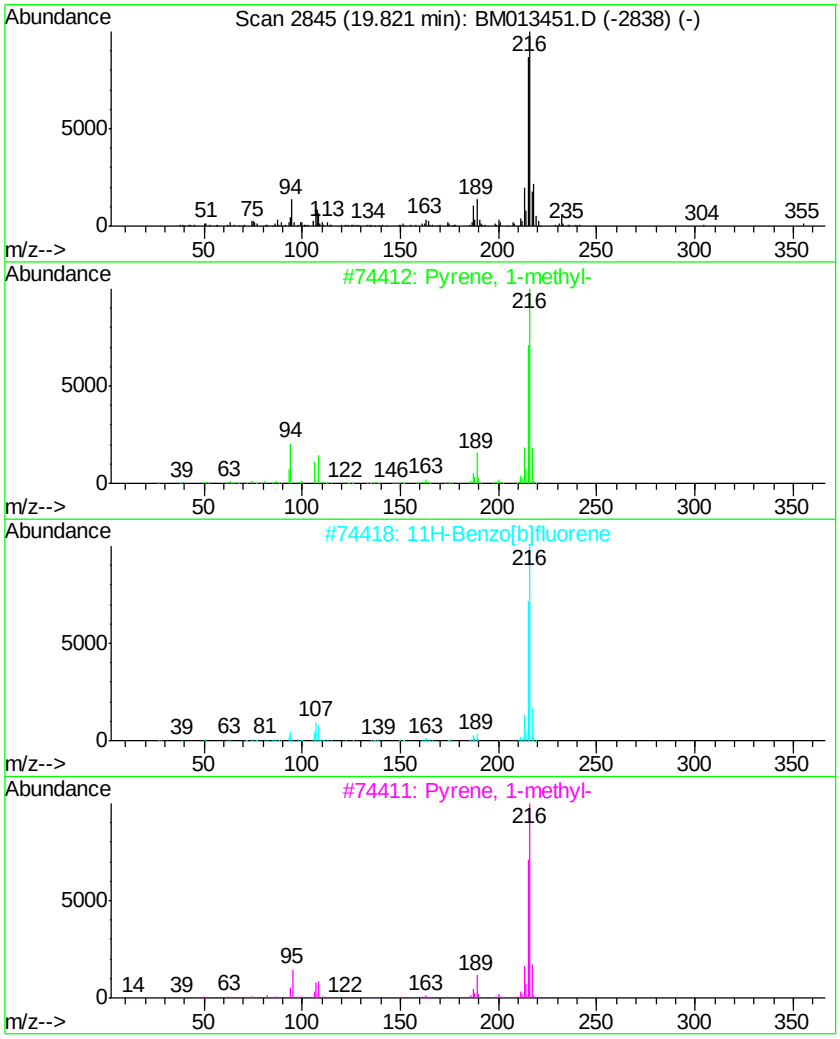
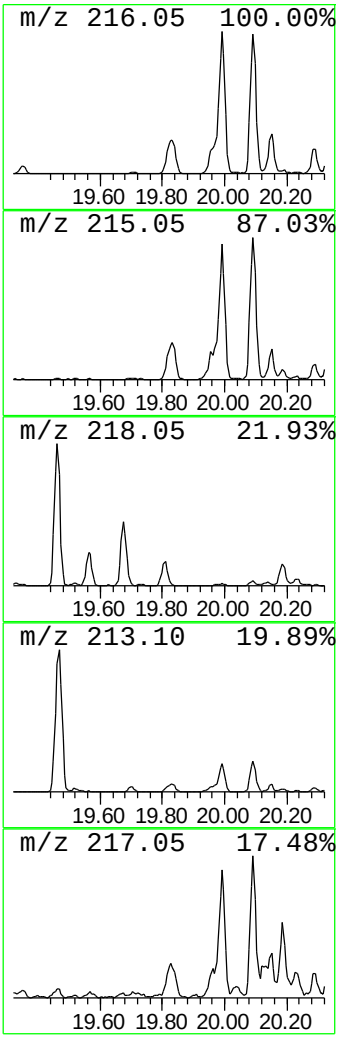
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.28 ng/ul	701682	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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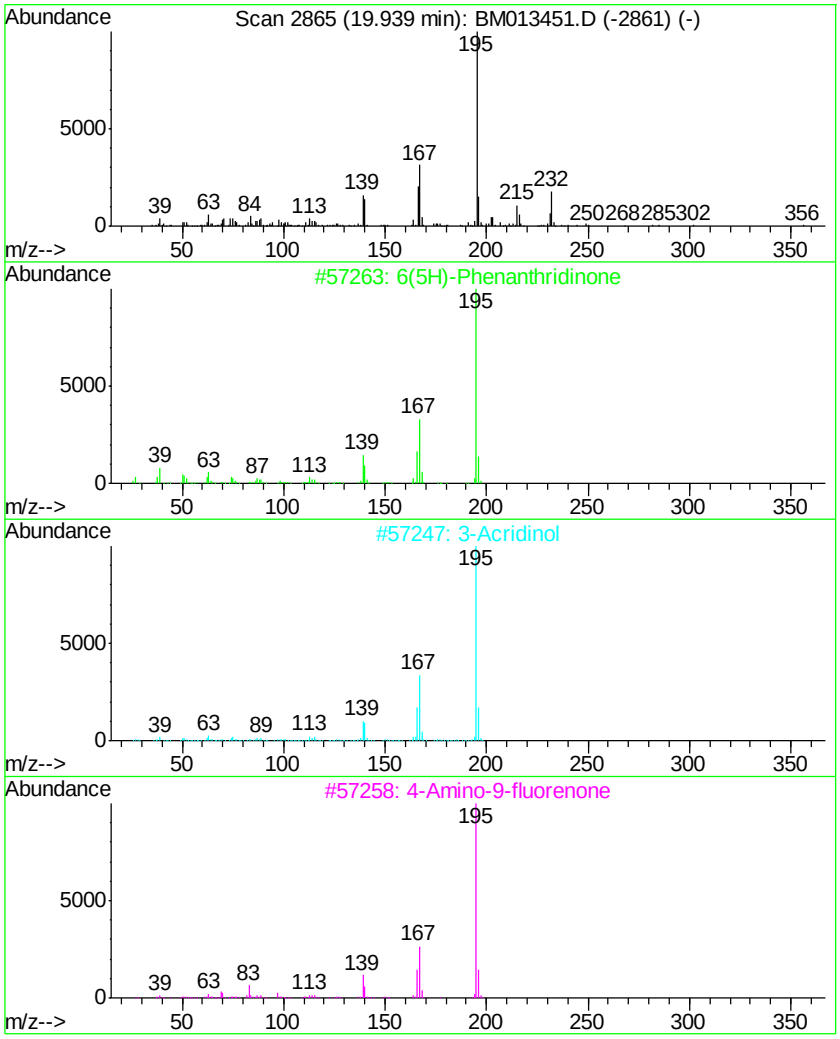
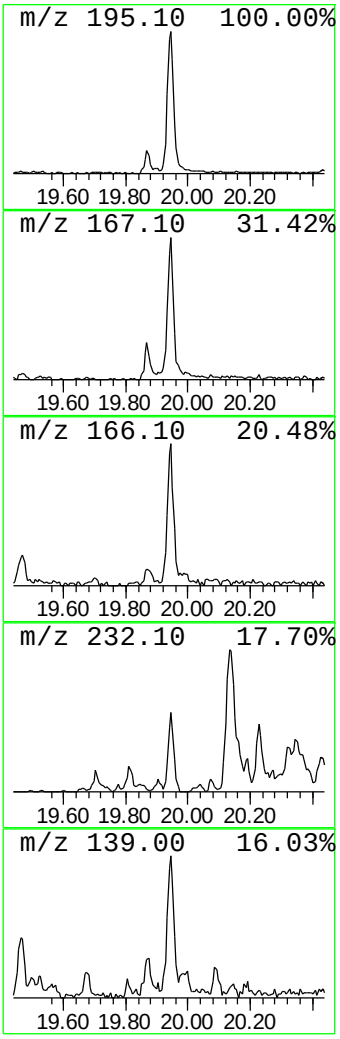
Peak Number 26 6(5H)-Phenanthridinone Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.56 ng/ul	790469	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	96
2	3-Acridinol	195	C13H9NO	007132-70-9	94
3	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	93
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	90
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	90





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Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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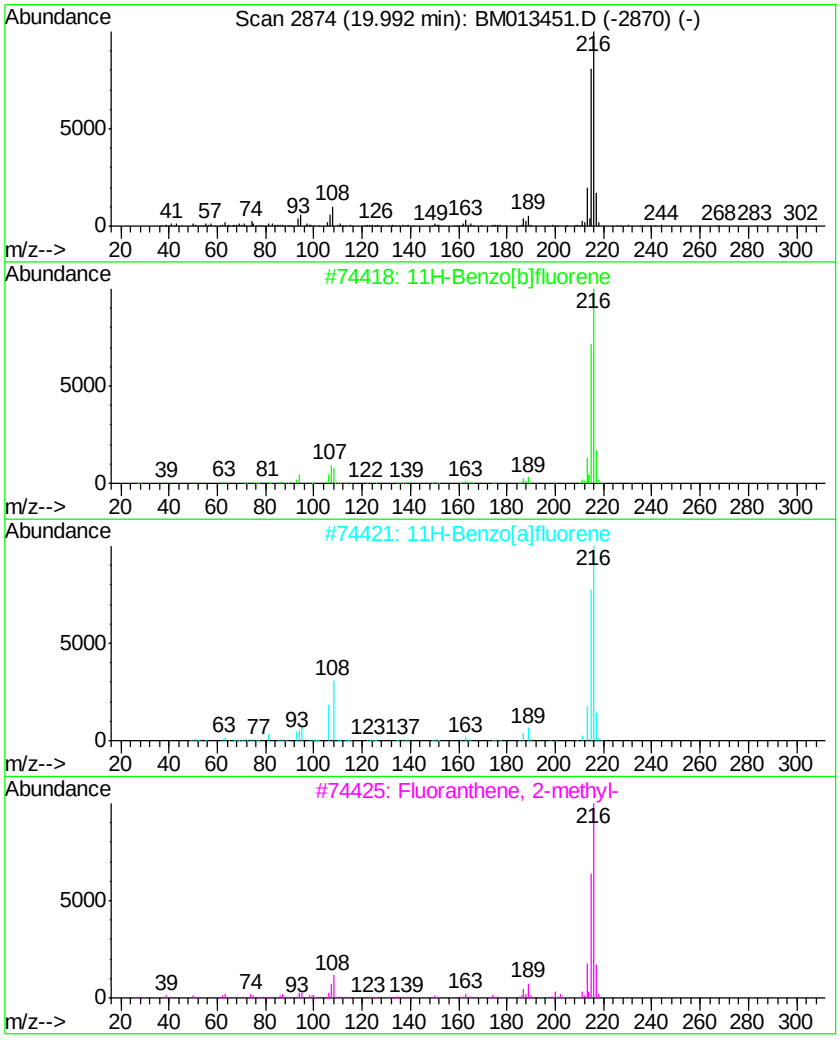
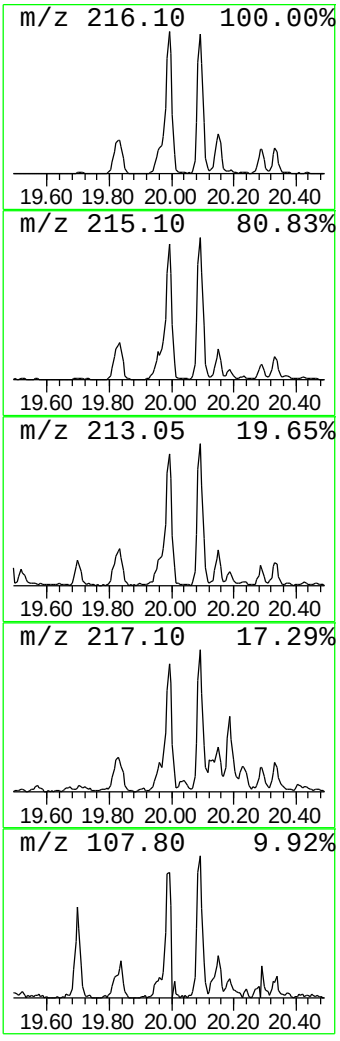
Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.19 ng/ul	1293710	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Operator : SJ/JU
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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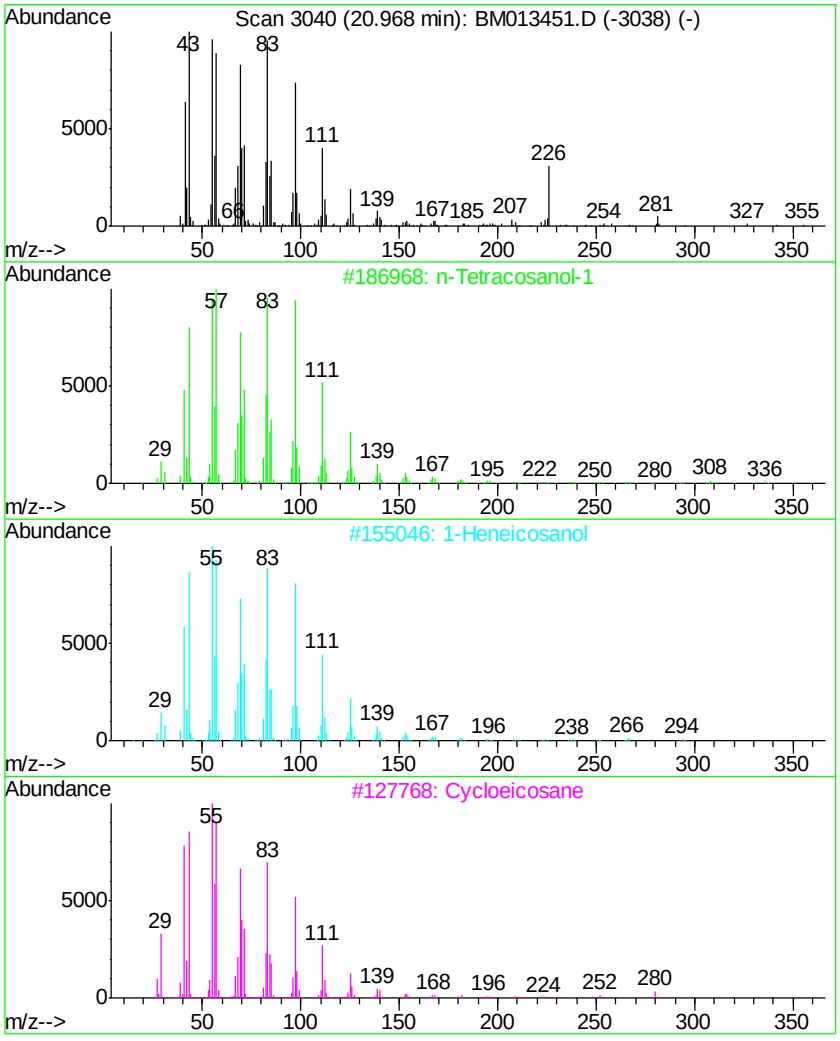
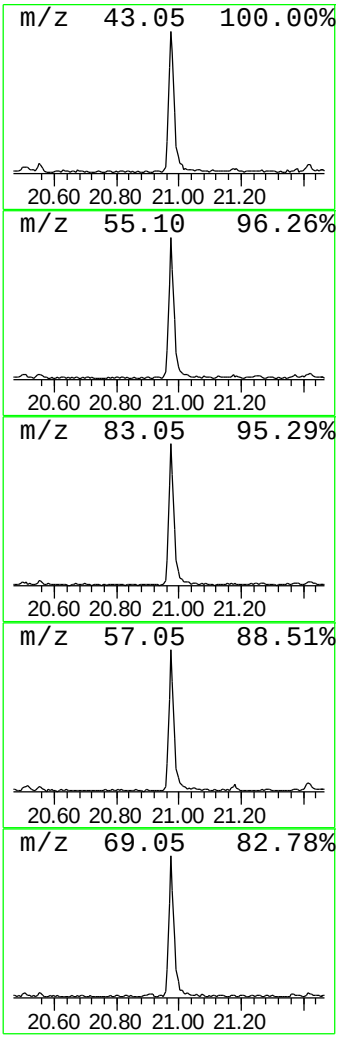
Peak Number 29 n-Tetracosanol-1 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	4.98 ng/ul	1536000	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Cycloeicosane	280	C20H40	000296-56-0	92
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	Cyclohexadecane	224	C16H32	000295-65-8	90





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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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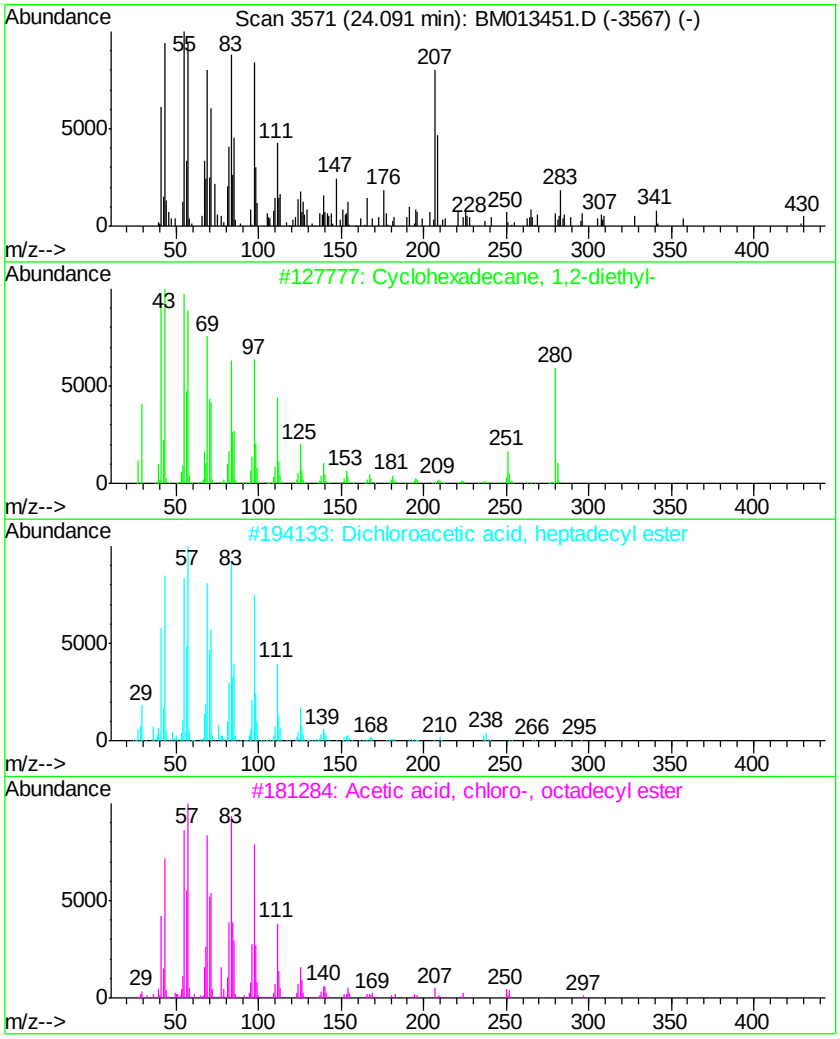
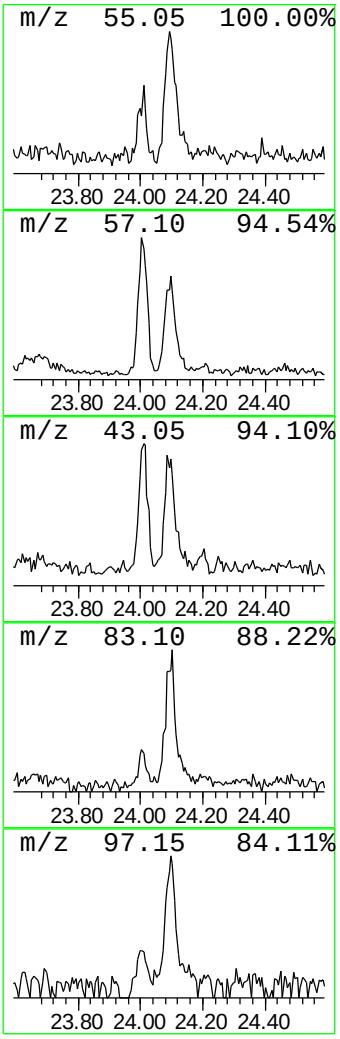
Peak Number 31 (DEL) Alkane: Cyclic24.09 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	2.05 ng/ul	266671	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	78
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	62
3	Acetic acid, chloro-, octadecyl ...	346	C20H39ClO2	005348-82-3	58
4	1-Nonadecene	266	C19H38	018435-45-5	58
5	1-Eicosene	280	C20H40	003452-07-1	53





Tentatively Identified Compound (LSC) summary

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Data File : BM013451.D
Acq On : 15 Dec 2017 22:44
Operator : SJ/JU
Sample : I6775-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A12

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
Phenol, 2-fluoro-	5.28	12.2	ng/ul	871849	1	7.67	1428150	20.0
1,1'-Biphenyl, 2-...	12.93	9.9	ng/ul	1582300	3	14.32	3202600	20.0
1-Isopropenylnaph...	14.63	2.4	ng/ul	379920	3	14.32	3202600	20.0
Diphenylmethane	15.53	4.7	ng/ul	758139	3	14.32	3202600	20.0
1,1'-Biphenyl, 4-...	15.62	2.9	ng/ul	459640	3	14.32	3202600	20.0
[1,1'-Biphenyl]-4...	15.66	5.3	ng/ul	854392	3	14.32	3202600	20.0
Phenol, 2,4,6-tri...	15.81	14.6	ng/ul	2530810	4	17.07	3464280	20.0
5H-Indeno[1,2-b]p...	15.88	2.3	ng/ul	393635	4	17.07	3464280	20.0
(DEL) Alkane: Str...	16.04	2.7	ng/ul	461244	4	17.07	3464280	20.0
9H-Fluorene, 2-me...	16.37	3.5	ng/ul	614323	4	17.07	3464280	20.0
Anthracene, 1,2,3...	16.82	4.9	ng/ul	848871	4	17.07	3464280	20.0
Dibenzothiophene	16.89	9.6	ng/ul	1658970	4	17.07	3464280	20.0
Acridine	17.26	3.3	ng/ul	577170	4	17.07	3464280	20.0
Dibenzo[a,e]cyclo...	17.59	2.0	ng/ul	347874	4	17.07	3464280	20.0
Phenanthrene, 2-m...	17.94	9.4	ng/ul	1628060	4	17.07	3464280	20.0
1H-Cyclopropa[l]p...	17.99	12.8	ng/ul	2222760	4	17.07	3464280	20.0
1H-Indene, 2-phenyl-	18.07	4.2	ng/ul	731915	4	17.07	3464280	20.0
4H-Cyclopenta[def...	18.14	16.6	ng/ul	2884480	4	17.07	3464280	20.0
Phenanthrene, 1-m...	18.17	2.9	ng/ul	501964	4	17.07	3464280	20.0
Tricyclo[8.2.2.2(...	18.44	5.8	ng/ul	999326	4	17.07	3464280	20.0
9,10-Dimethylanth...	18.86	2.2	ng/ul	373662	4	17.07	3464280	20.0
p-Terphenyl-d14	19.70	10.4	ng/ul	3197610	5	21.26	6168320	20.0
Pyrene, 1-methyl-	19.82	2.3	ng/ul	701682	5	21.26	6168320	20.0
6(5H)-Phenanthrid...	19.94	2.6	ng/ul	790469	5	21.26	6168320	20.0
11H-Benzo[b]fluorene	19.99	4.2	ng/ul	1293710	5	21.26	6168320	20.0
n-Tetracosanol-1	20.97	5.0	ng/ul	1536000	5	21.26	6168320	20.0
(DEL) Alkane: Cyc...	24.09	2.0	ng/ul	266671	6	23.48	2603290	20.0