LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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	8.519	777	788	800	rVB	185061	348508	1.58%	0.193%
2	8.895	843	852	863	rBV	368529	669330	3.03%	0.370%
3	9.059	872	880	888	rVV	494476	890543	4.04%	0.492%
4	9.993	1027	1039	1046	rBV	117635	277991	1.26%	0.154%
5	10.722	1158	1163	1175	rVV3	183539	537626	2.44%	0.297%
6	11.415	1261	1281	1291	rVV	8126302	22059736	100.00%	12.188%
7	11.515	1291	1298	1311	rVV	668981	1312636	5.95%	0.725%
8	12.966	1533	1545	1555	rVV	4953322	9053594	41.04%	5.002%
9	13.072	1555	1563	1570	rVV	118748	246441	1.12%	0.136%
10	13.178	1570	1581	1588	rVB	2459143	4431956	20.09%	2.449%
11	13.942	1705	1711	1720	rVB	1320433	2143399	9.72%	1.184%
12	14.136	1730	1744	1756	rVB	437092	912560	4.14%	0.504%
13	14.282	1756	1769	1776	rBV3	753030	2089957	9.47%	1.155%
14	14.423	1785	1793	1798	rVV	1009732	1935590	8.77%	1.069%
15	14.476	1798	1802	1810	rVV	692856	1198524	5.43%	0.662%
16	14.658	1825	1833	1845	rBV	416757	902211	4.09%	0.498%
17	14.829	1851	1862	1869	rBV	361709	677095	3.07%	0.374%
18	15.064	1890	1902	1906	rBV	535034	877341	3.98%	0.485%
19	15.105	1906	1909	1914	rVV3	439026	710180	3.22%	0.392%
20	15.176	1914	1921	1927	rVV	4613414	8179077	37.08%	4.519%
21	15.234	1927	1931	1936	rVB	228760	350229	1.59%	0.193%
22	15.299	1936	1942	1950	rBV	124121	290627	1.32%	0.161%
23	15.411	1951	1961	1969	rVV2	209062	502096	2.28%	0.277%
24	15.505	1969	1977	1983	rVV	3328213	6091350	27.61%	3.365%
25	15.563	1983	1987	1996	rVB	219540	361037	1.64%	0.199%
26	15.704	2003	2011	2016	rBV2	187051	358049	1.62%	0.198%
27	15.763	2016	2021	2031	rVB2	184535	328031	1.49%	0.181%
28	15.881	2031	2041	2044	rBV	142112	338850	1.54%	0.187%
29	16.051	2066	2070	2080	rVV4	161028	354113	1.61%	0.196%
30	16.157	2080	2088	2095	rVB	4606179	8098601	36.71%	4.474%
31	16.245	2096	2103	2105	rBV	216541	388669	1.76%	0.215%
32	16.274	2105	2108	2110	rVV	282337	424954	1.93%	0.235%
33	16.309	2110	2114	2119	rVV2	554212	989020	4.48%	0.546%
34	16.362	2119	2123	2125	rVV2	128870	212835	0.96%	0.118%

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Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

35	16.398	2125	2129	2132	rVV	292502	488954	2.22%	0.270%
36	16.439	2132	2136	2143	rVB	729237	1171594	5.31%	0.647%
37	16.586	2143	2161	2169	rBV	842246	1950184	8.84%	1.077%
38	16.680	2170	2177	2182	rVB	126521	231707	1.05%	0.128%
39	16.780	2187	2194	2206	rVB3	192175	444785	2.02%	0.246%
40	16.938	2217	2221	2227	rVB2	187642	279751	1.27%	0.155%
41	17.150	2244	2257	2262	rBV2	617548	1332470	6.04%	0.736%
42	17.203	2262	2266	2271	rVV2	209003	374975	1.70%	0.207%
43	17.302	2276	2283	2287	rVV3	214217	442465	2.01%	0.244%
44	17.373	2287	2295	2299	rVV3	220792	508841	2.31%	0.281%
45	17.414	2299	2302	2311	rVV3	236285	482396	2.19%	0.267%
46	17.502	2311	2317	2323	rVB6	86910	216759	0.98%	0.120%
47	17.573	2323	2329	2341	rBV3	255328	664117	3.01%	0.367%
48	17.678	2341	2347	2362	rVB	1047662	1853858	8.40%	1.024%
49	17.925	2368	2389	2395	rBV	9632619	21628997	98.05%	11.950%
50	18.002	2395	2402	2413	rVB	2453562	4154441	18.83%	2.295%
51	18.260	2439	2446	2460	rBV	1218454	2270616	10.29%	1.254%
52	18.366	2460	2464	2469	rBV	160652	241119	1.09%	0.133%
53	18.436	2473	2476	2489	rVB2	116769	243250	1.10%	0.134%
54	18.577	2495	2500	2510	rVB	107081	226109	1.02%	0.125%
55	18.724	2510	2525	2529	rBV	1000799	1745724	7.91%	0.964%
56	18.777	2529	2534	2539	rVB	1352105	2140414	9.70%	1.183%
57	18.854	2540	2547	2552	rBV	533705	925270	4.19%	0.511%
58	18.930	2552	2560	2571	rVV2	1876488	4057493	18.39%	2.242%
59	19.153	2589	2598	2602	rVV4	118030	240098	1.09%	0.133%
60	19.212	2602	2608	2614	rVV	737680	1131217	5.13%	0.625%
61	19.453	2639	2649	2653	rBV2	177704	315947	1.43%	0.175%
62	19.500	2653	2657	2660	rVV	171085	248101	1.12%	0.137%
63	19.617	2670	2677	2682	rBV	327768	649961	2.95%	0.359%
64	19.688	2683	2689	2697	rVB3	206954	556597	2.52%	0.308%
65	19.764	2698	2702	2711	rVB3	104327	288770	1.31%	0.160%
66	19.905	2716	2726	2736	rBV	7101826	12491175	56.62%	6.901%
67	20.140	2761	2766	2774	rVB	293697	561778	2.55%	0.310%
68	20.264	2774	2787	2793	rBV3	5092788	11460866	51.95%	6.332%
69	20.317	2793	2796	2804	rVB	310927	455068	2.06%	0.251%
70	20.422	2804	2814	2819	rBV	379444	604415	2.74%	0.334%
71	20.569	2831	2839	2845	rBV3	393960	973364	4.41%	0.538%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

72	20.628	2845	2849	2854	rVB	198873	273031	1.24%	0.151%
73	20.740	2854	2868	2877	rVB	1172694	2374130	10.76%	1.312%
74	20.839	2877	2885	2890	rBV	1309726	2125502	9.64%	1.174%
75	20.904	2890	2896	2900	rVV2	369482	807252	3.66%	0.446%
76	20.939	2900	2902	2906	rVV3	144415	212477	0.96%	0.117%
77	21.051	2915	2921	2925	rBV	173085	288870	1.31%	0.160%
78	21.104	2925	2930	2936	rVB3	162415	301345	1.37%	0.166%
79	21.298	2957	2963	2970	rBV5	98893	233476	1.06%	0.129%
80	21.404	2979	2981	2993	rVB3	112645	221367	1.00%	0.122%
81	21.503	2993	2998	3004	rBV2	143471	311657	1.41%	0.172%
82	21.768	3034	3043	3047	rBV	341072	702415	3.18%	0.388%
83	21.815	3047	3051	3055	rVV	286496	527898	2.39%	0.292%
84	21.868	3055	3060	3065	rVV2	229575	447466	2.03%	0.247%
85	21.909	3065	3067	3084	rVB3	94023	239381	1.09%	0.132%
86	22.073	3085	3095	3102	rBV	109503	306394	1.39%	0.169%
87	22.214	3109	3119	3127	rBV3	1967493	5065639	22.96%	2.799%
88	22.291	3127	3132	3145	rVB	1216277	2440918	11.07%	1.349%
89	22.461	3155	3161	3169	rBV	308740	645734	2.93%	0.357%
90	22.690	3192	3200	3208	rVB2	185856	406491	1.84%	0.225%
91	23.043	3251	3260	3268	rVV2	156920	430062	1.95%	0.238%
92	23.413	3319	3323	3332	rVB4	132394	314326	1.42%	0.174%
93	23.513	3332	3340	3355	rVB6	83655	259954	1.18%	0.144%
94	24.717	3533	3545	3554	rBV	424232	1732078	7.85%	0.957%
95	25.011	3587	3595	3613	rVB	86459	277343	1.26%	0.153%
96	25.546	3676	3686	3702	rVB	173282	561254	2.54%	0.310%
97	25.716	3704	3715	3730	rVB2	312870	1057111	4.79%	0.584%
98	25.886	3731	3744	3754	rVV2	293169	1088684	4.94%	0.601%
99	25.975	3754	3759	3777	rVB3	86883	313178	1.42%	0.173%
100	30.087	4445	4459	4485	rVB4	71929	436102	1.98%	0.241%

Sum of corrected areas: 180997937

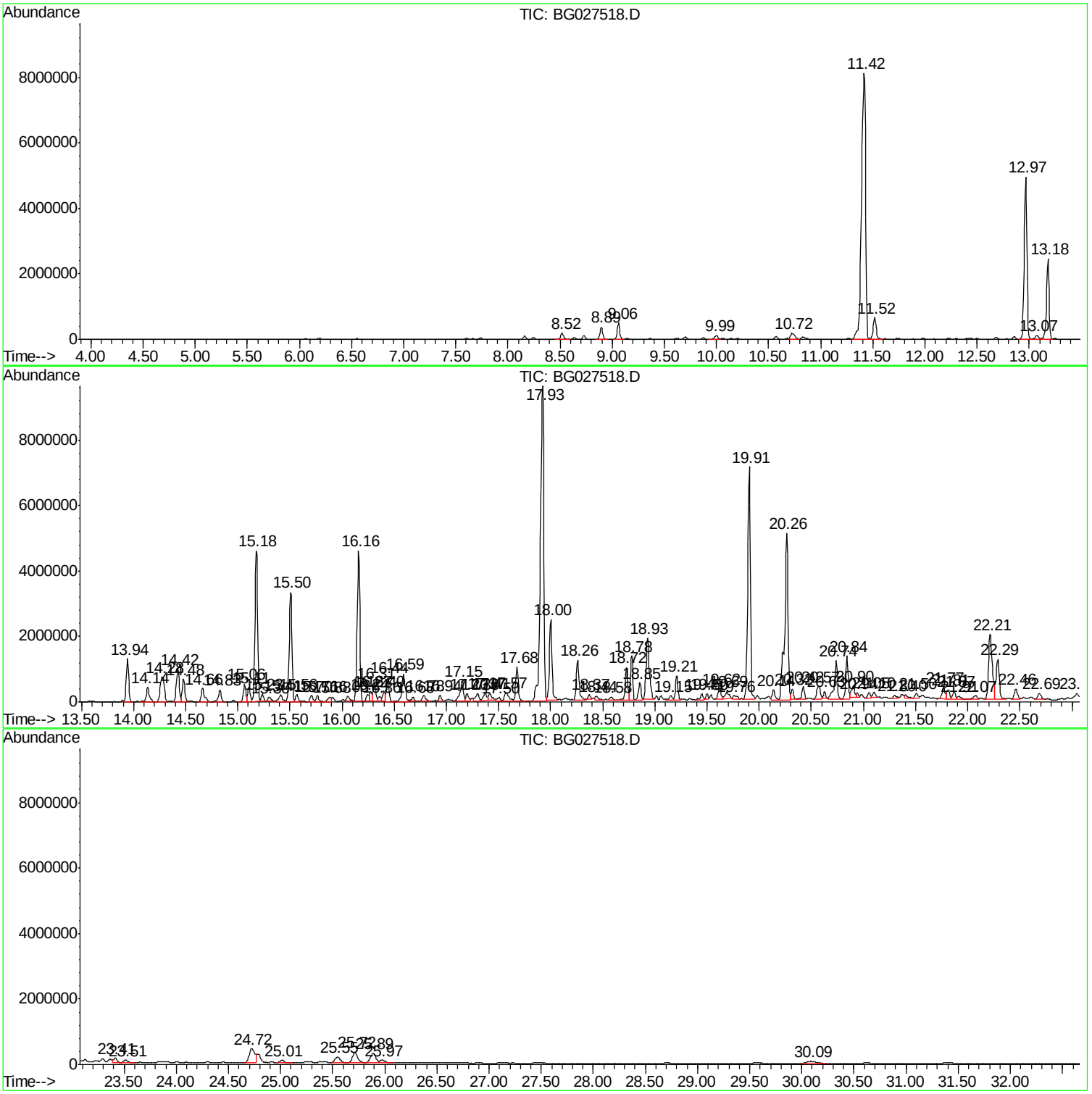
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

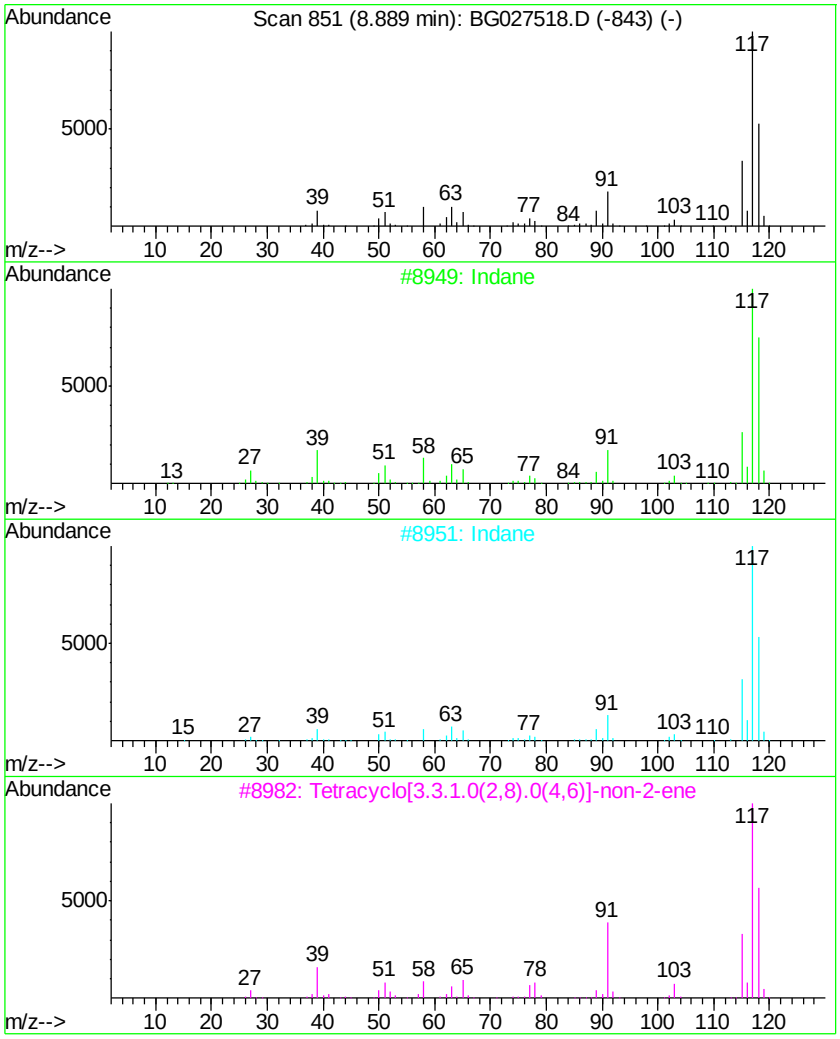
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

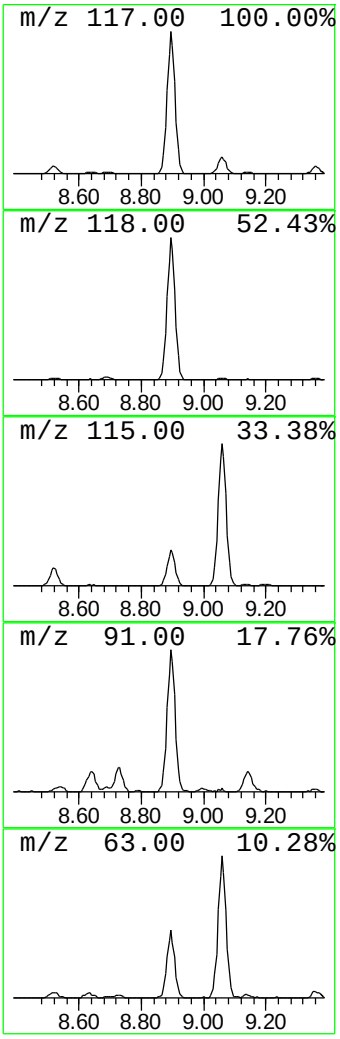
****

Peak Number 1 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	38.41 ng/ul	669330	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	94
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Deltacyclene	118	C9H10	007785-10-6	68
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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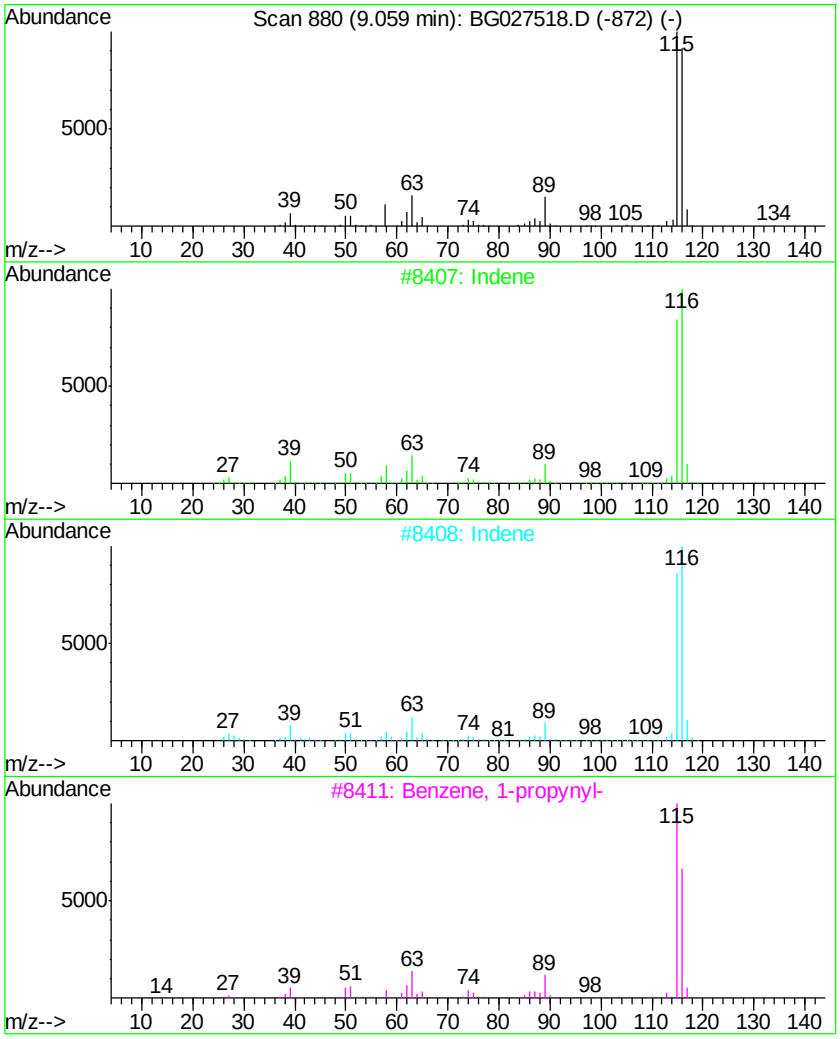
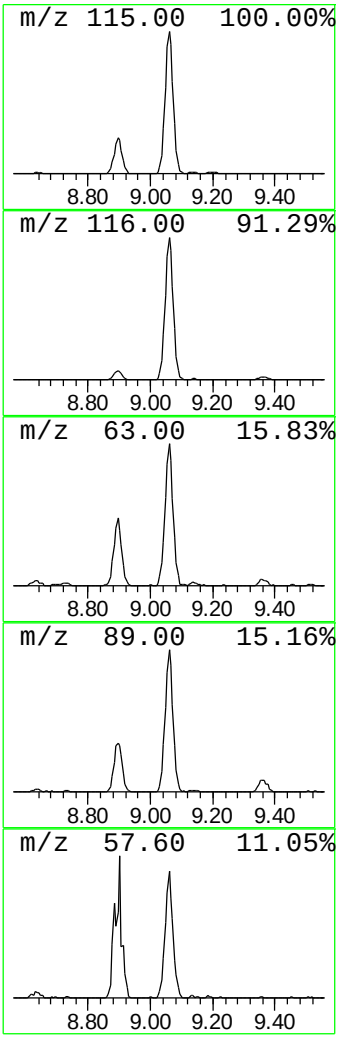
Peak Number 2 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	51.11 ng/ul	890543	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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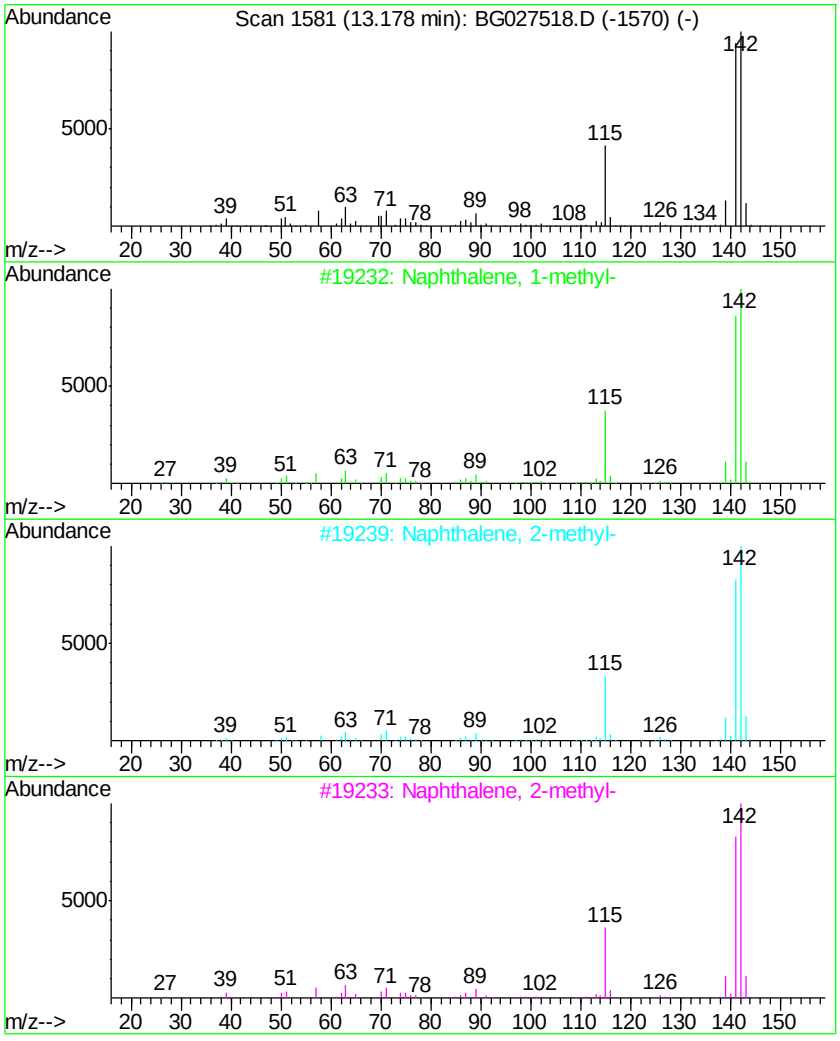
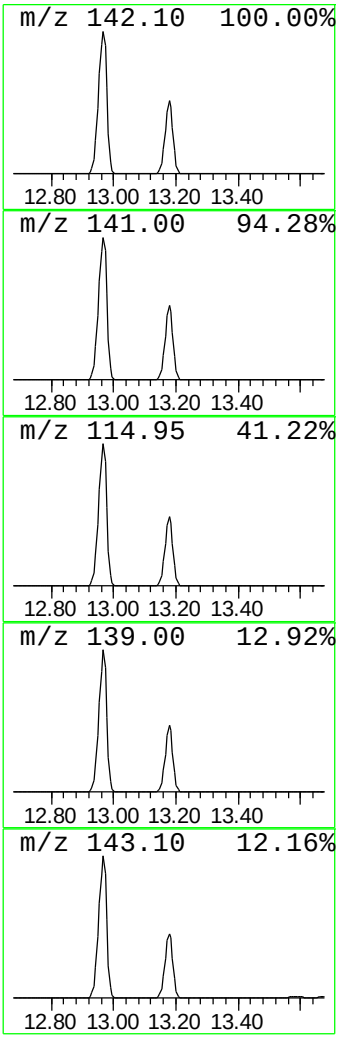
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	4.02 ng/ul	4431960	Naphthalene-d8	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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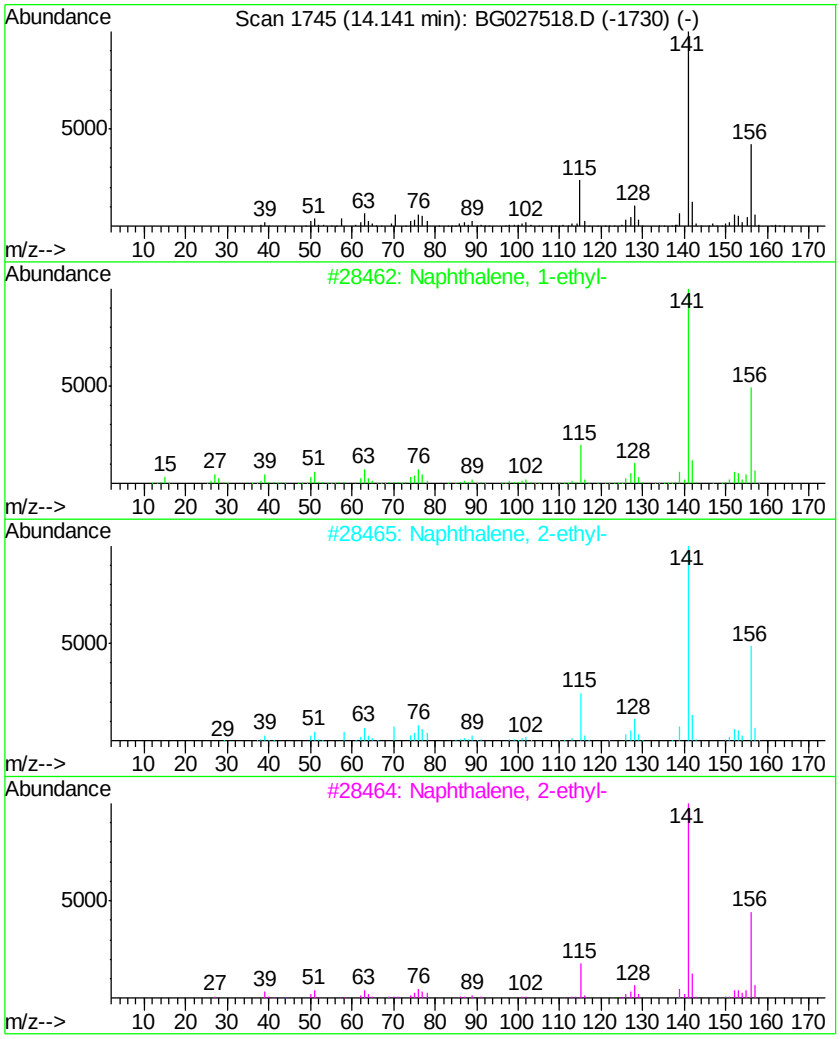
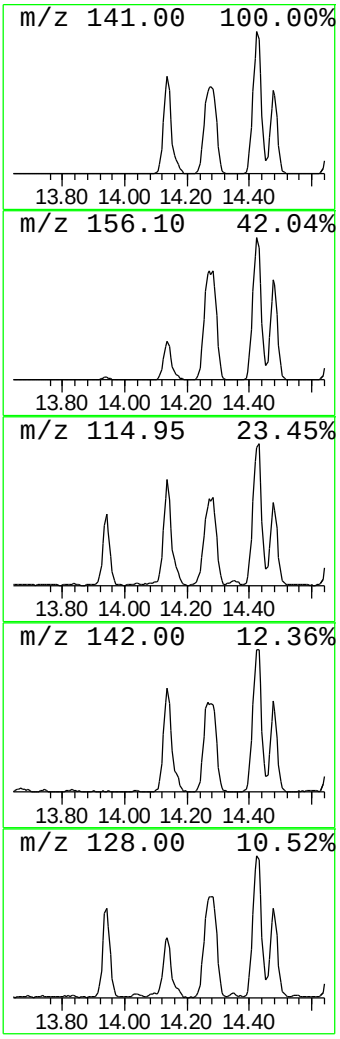
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	25.70 ng/ul	912560	Acenaphthene-d10	15.11

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	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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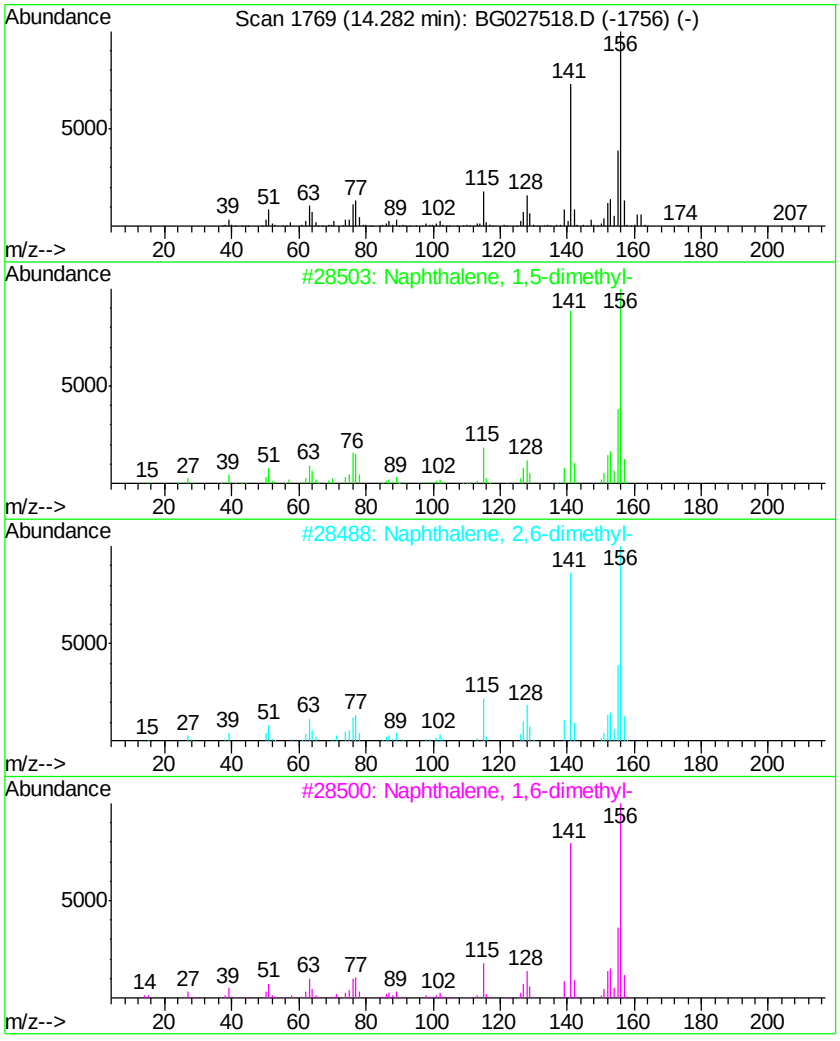
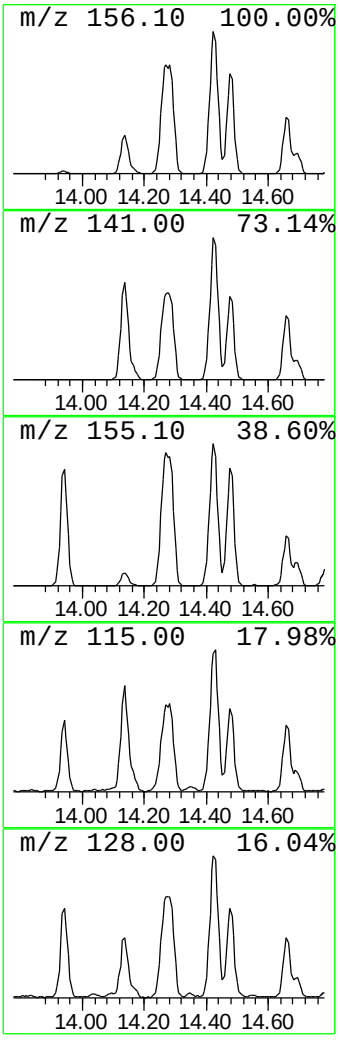
Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	58.86 ng/ul	2089960	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98





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Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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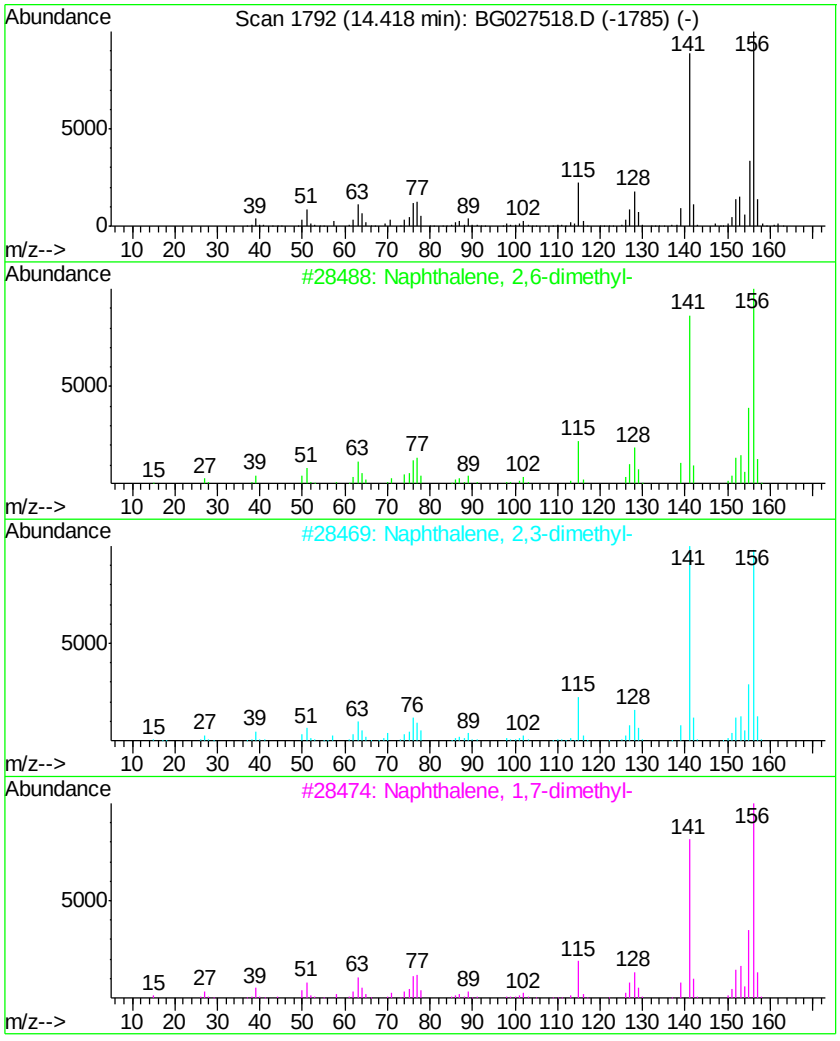
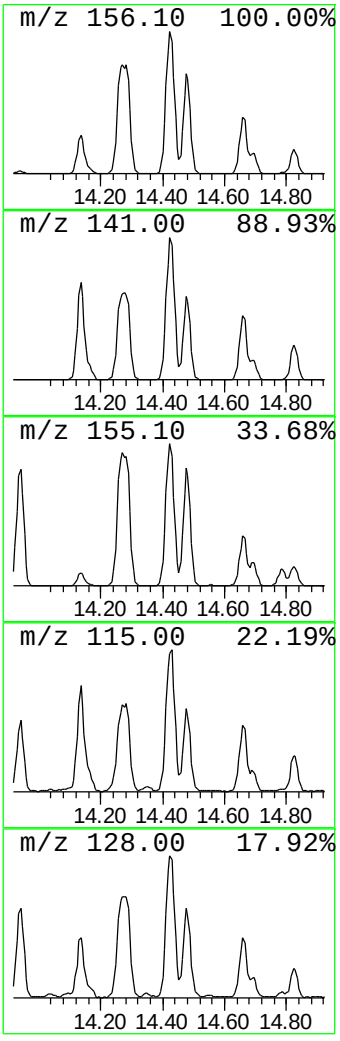
Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	54.51 ng/ul	1935590	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98





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Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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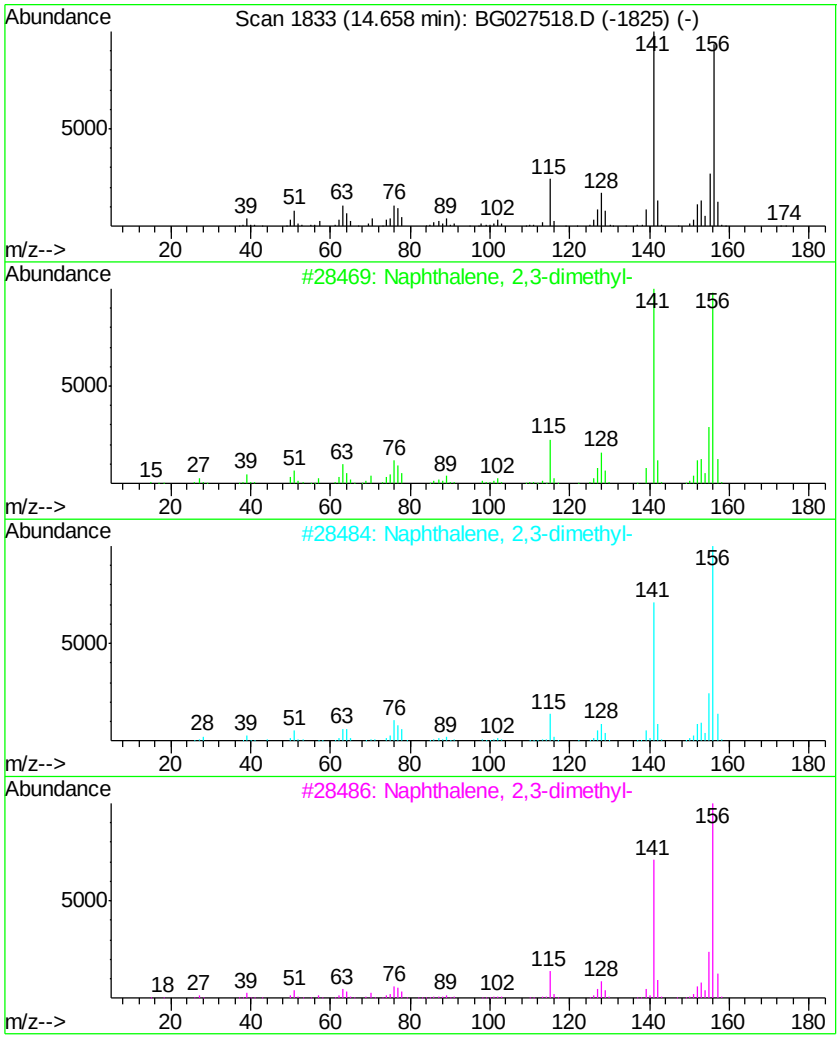
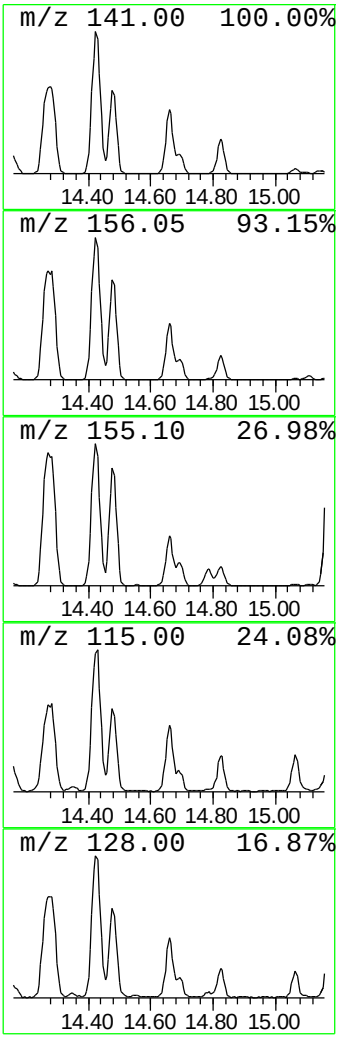
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	25.41 ng/ul	902211	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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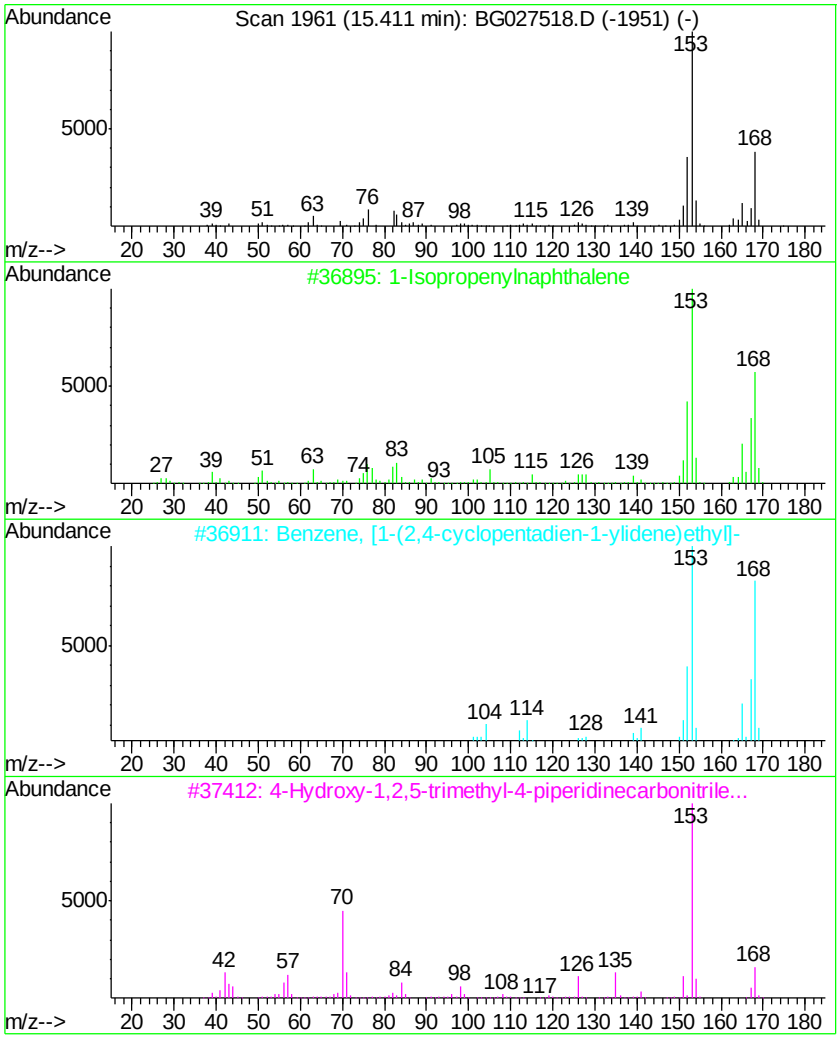
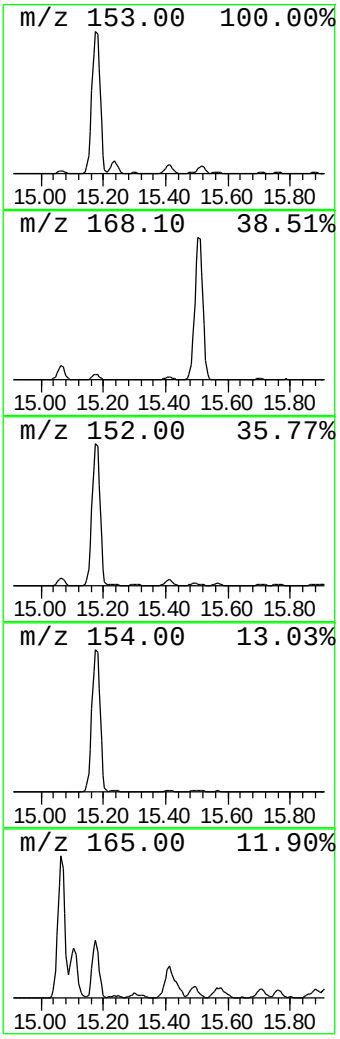
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	14.14 ng/ul	502096	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	64
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	53
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53





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Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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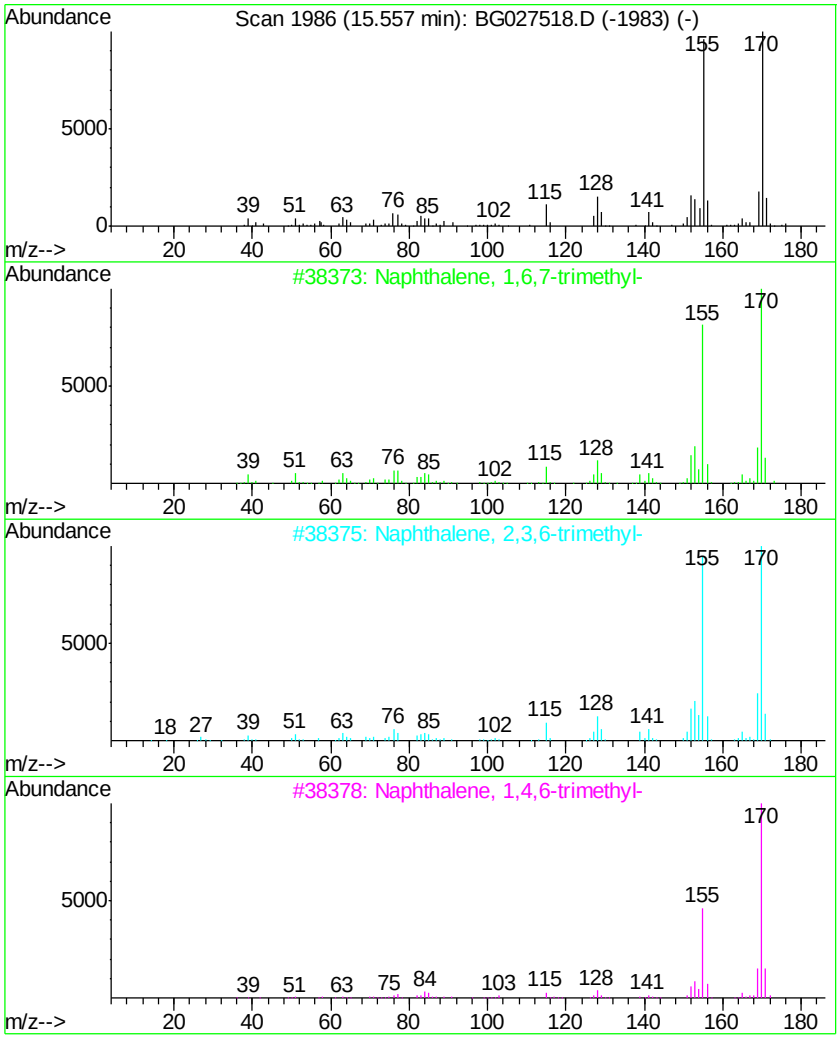
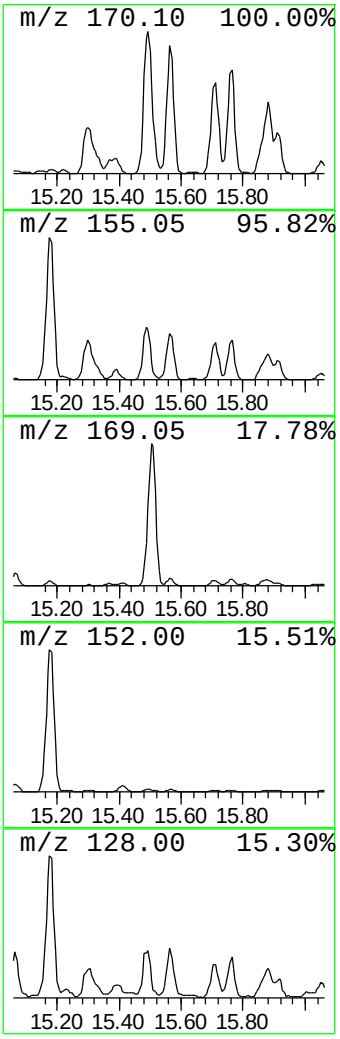
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	10.17 ng/ul	361037	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Sample : I3599-11 20X
Misc :
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Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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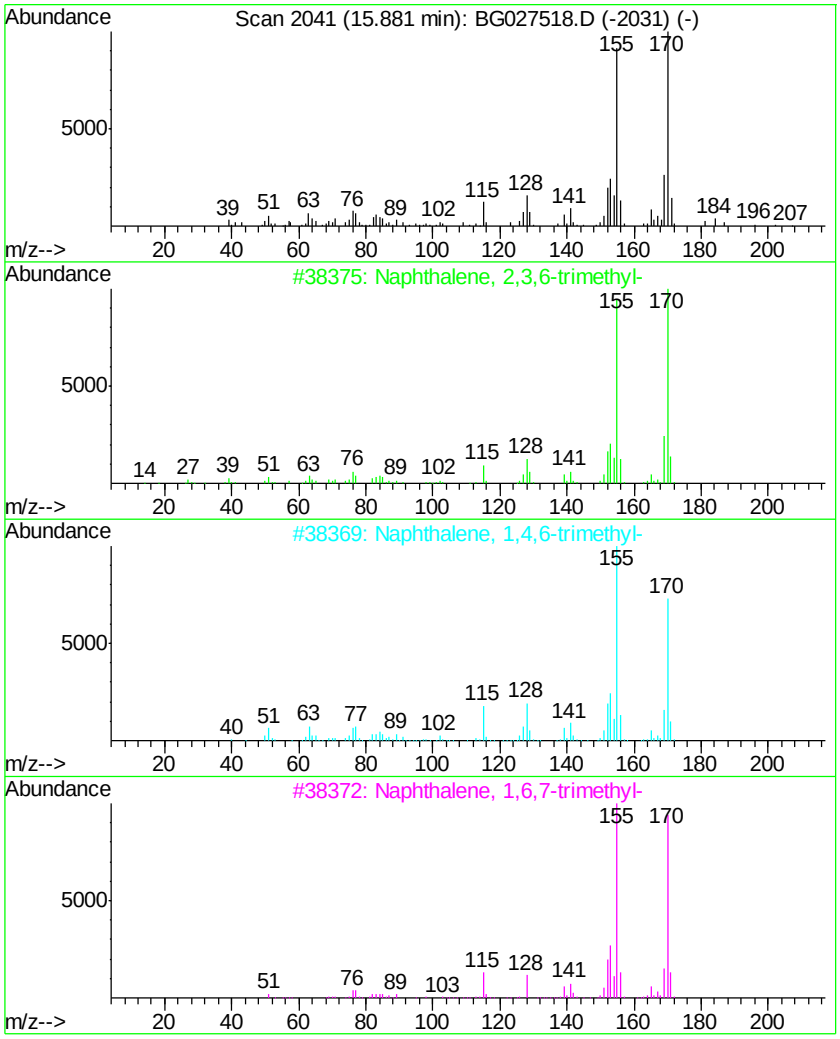
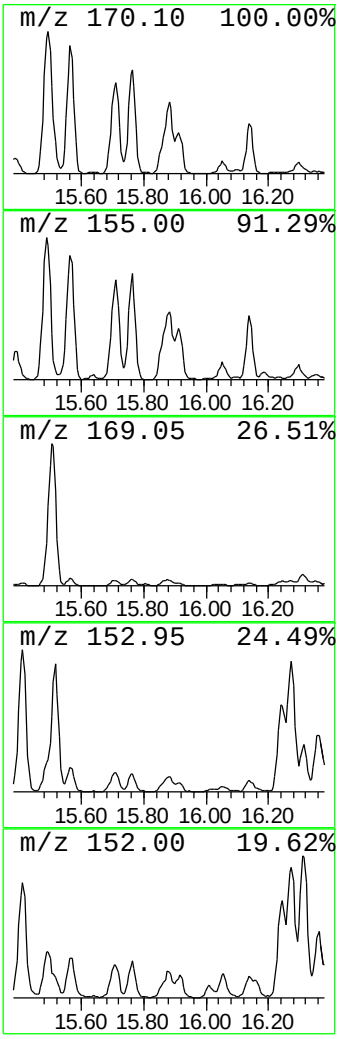
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	9.54 ng/ul	338850	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96





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Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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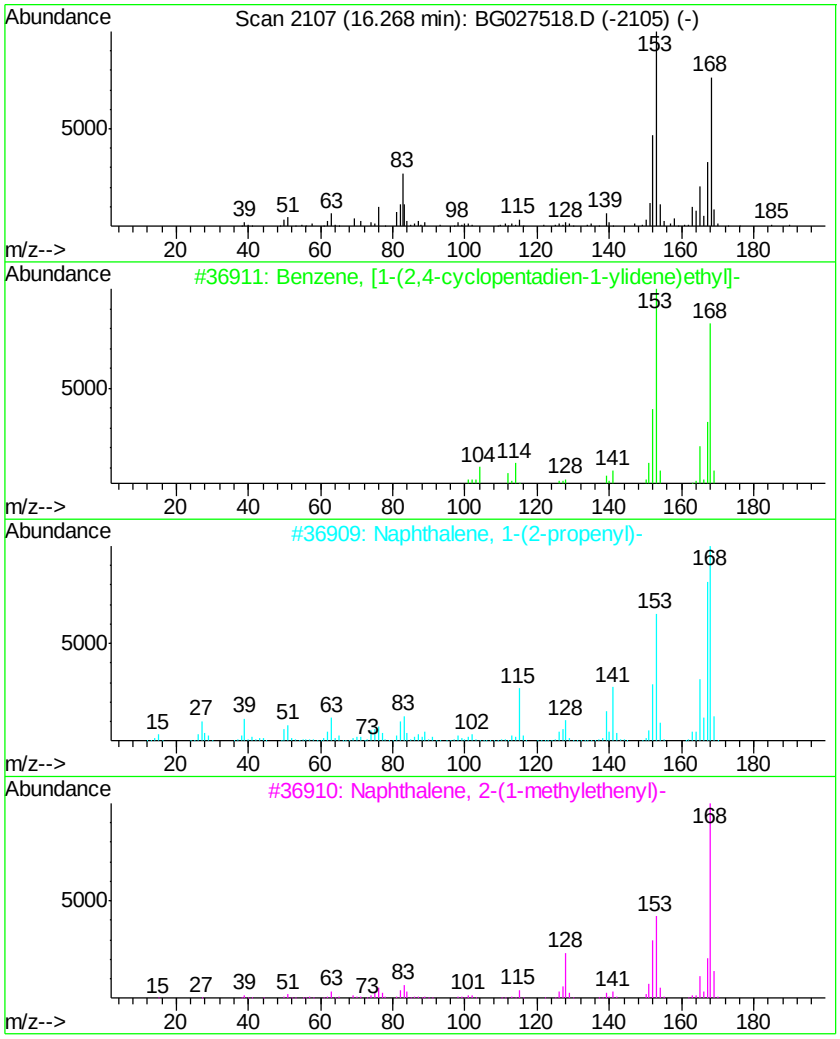
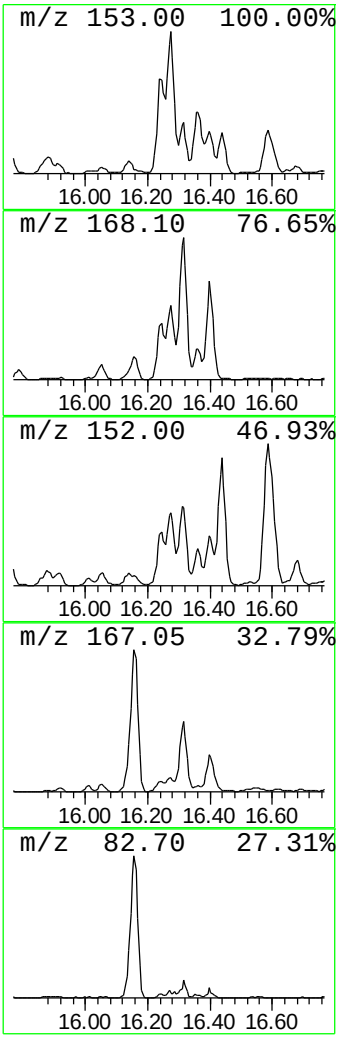
Peak Number 14 Benzene, [1-(2,4-cyclopenta... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	11.97 ng/ul	424954	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	50





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Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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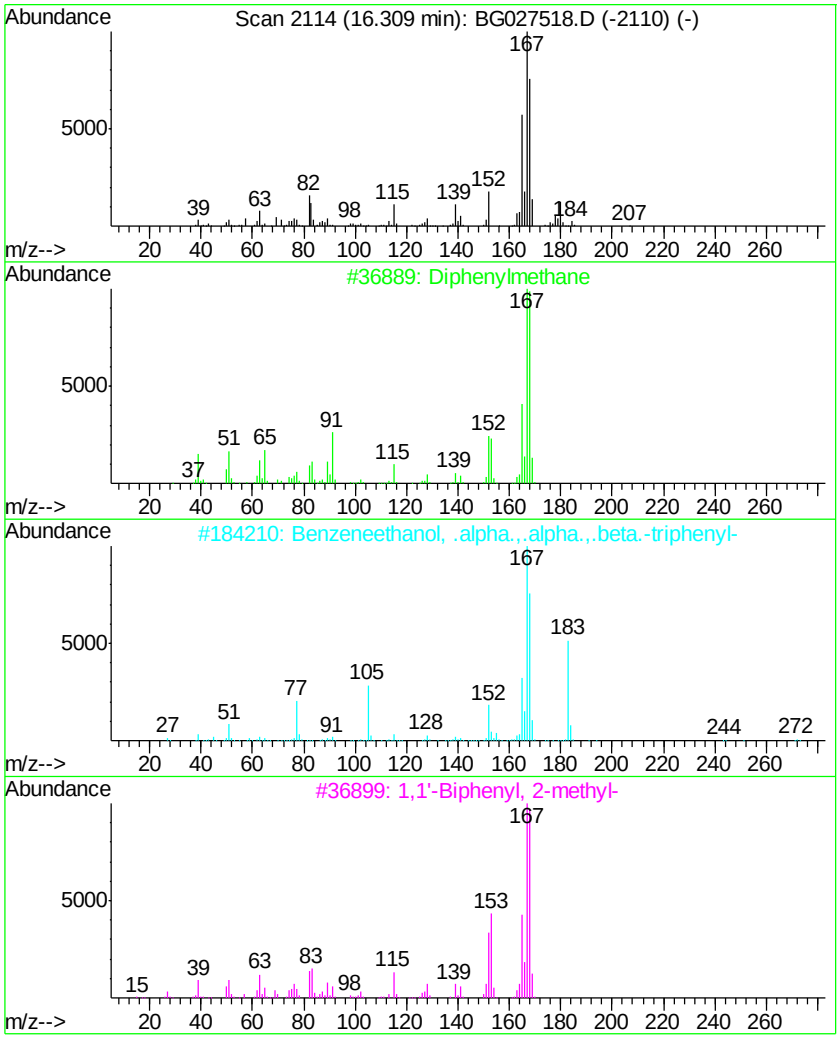
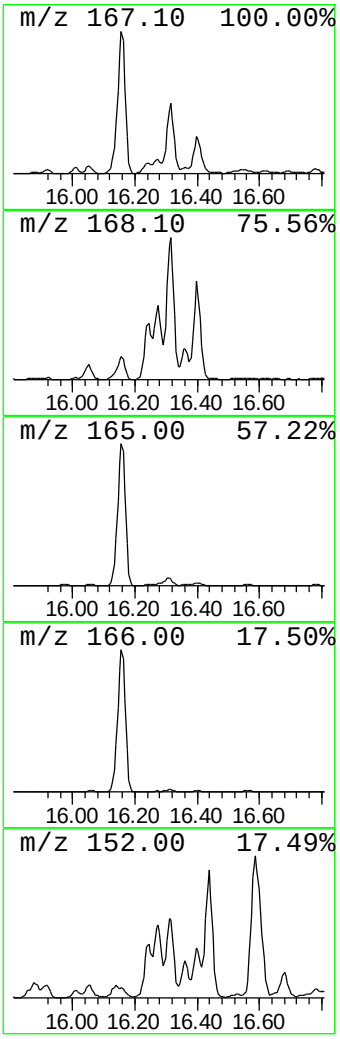
Peak Number 15 Diphenylmethane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	27.85 ng/ul	989020	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	62
2	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	59
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	Diphenylmethane	168	C13H12	000101-81-5	58
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55





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Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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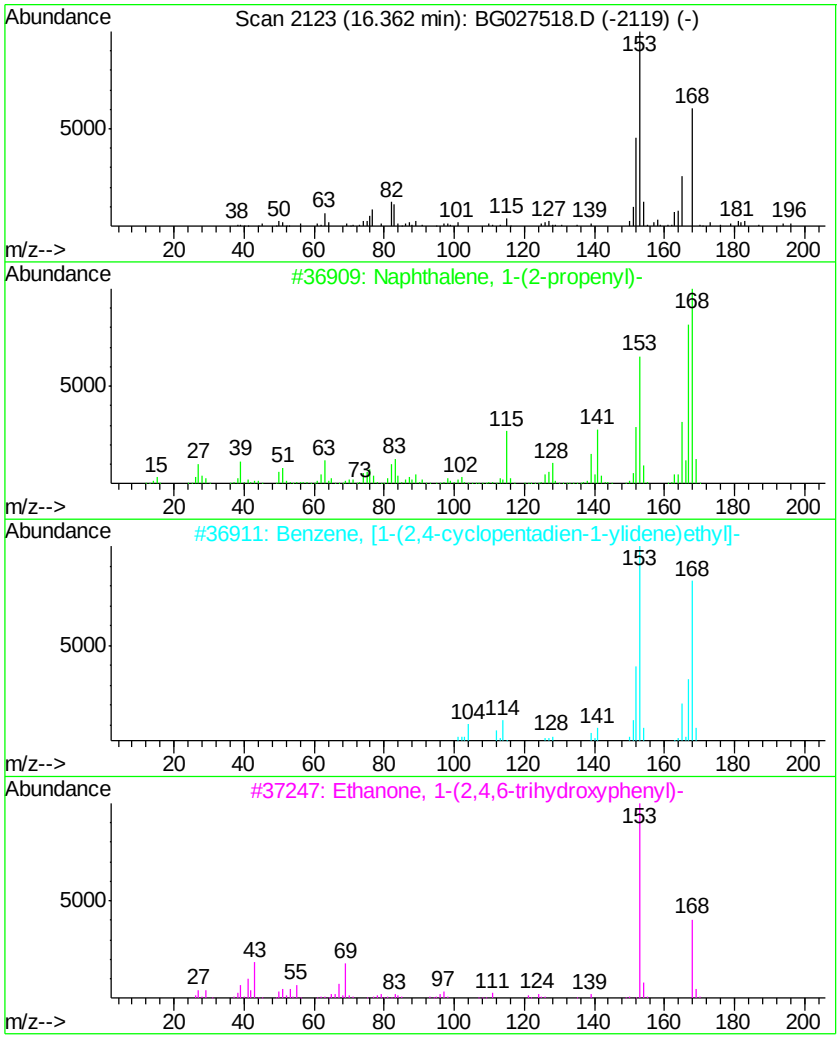
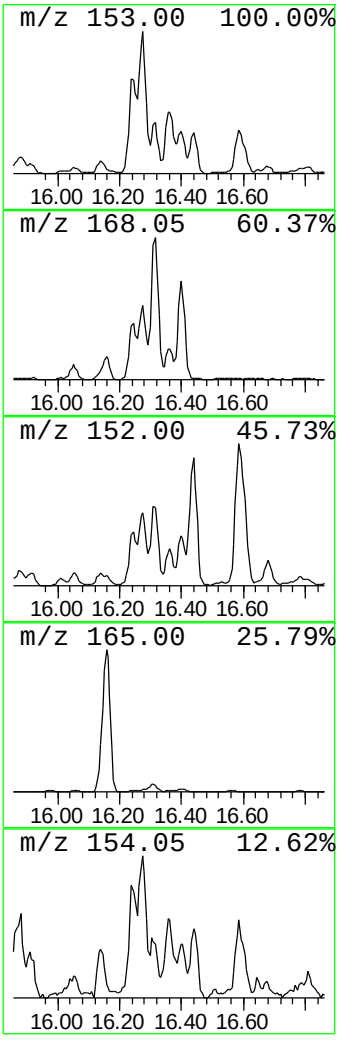
Peak Number 16 Naphthalene, 1-(2-propenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	5.99 ng/ul	212835	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	47
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43





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Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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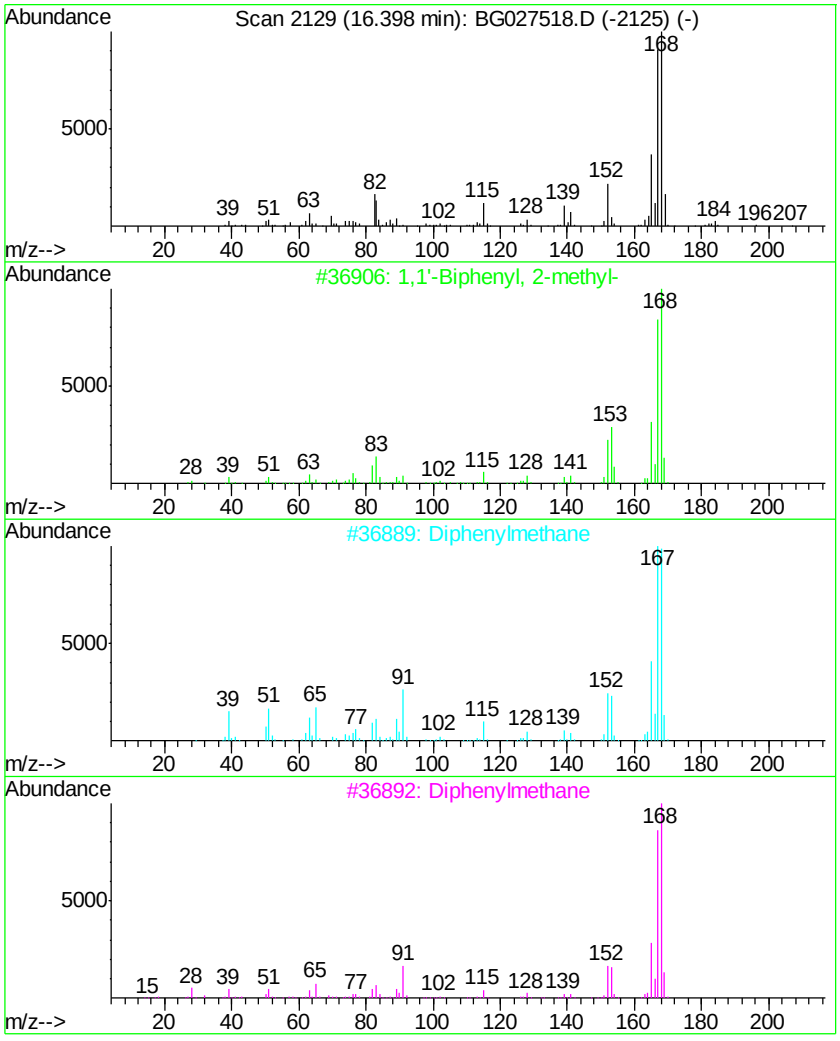
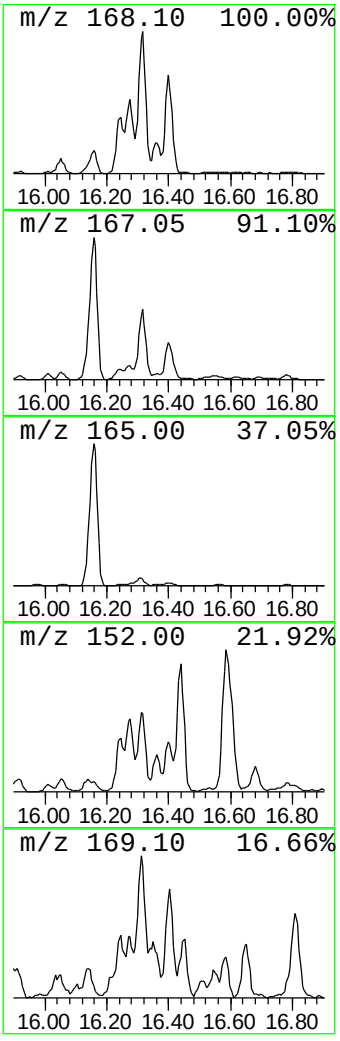
Peak Number 17 1,1'-Biphenyl, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	13.77 ng/ul	488954	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	Diphenylmethane	168	C13H12	000101-81-5	87
3	Diphenylmethane	168	C13H12	000101-81-5	87
4	Diphenylmethane	168	C13H12	000101-81-5	87
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87





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Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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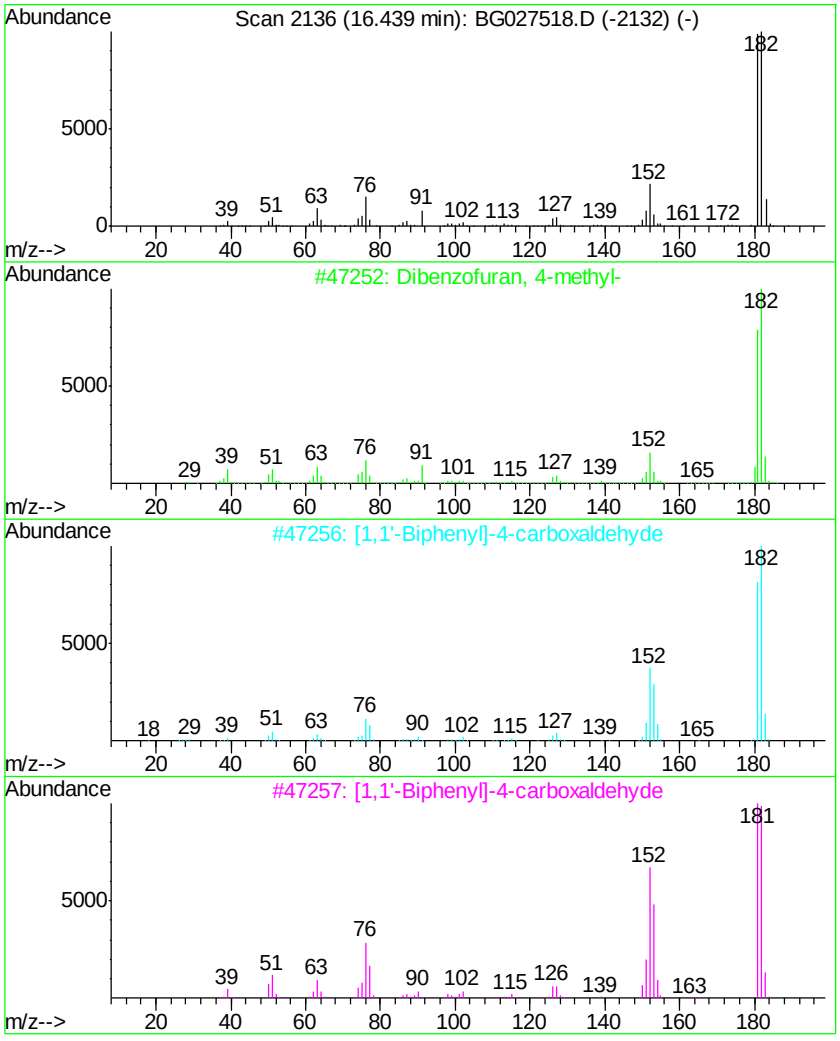
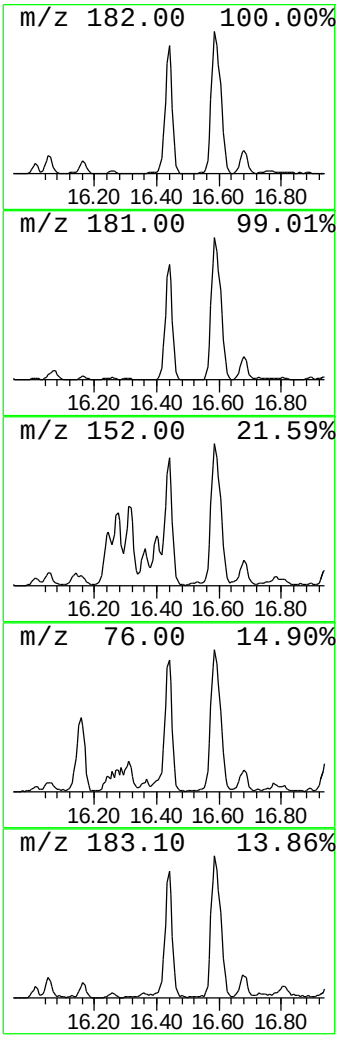
Peak Number 18 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	32.99 ng/ul	1171590	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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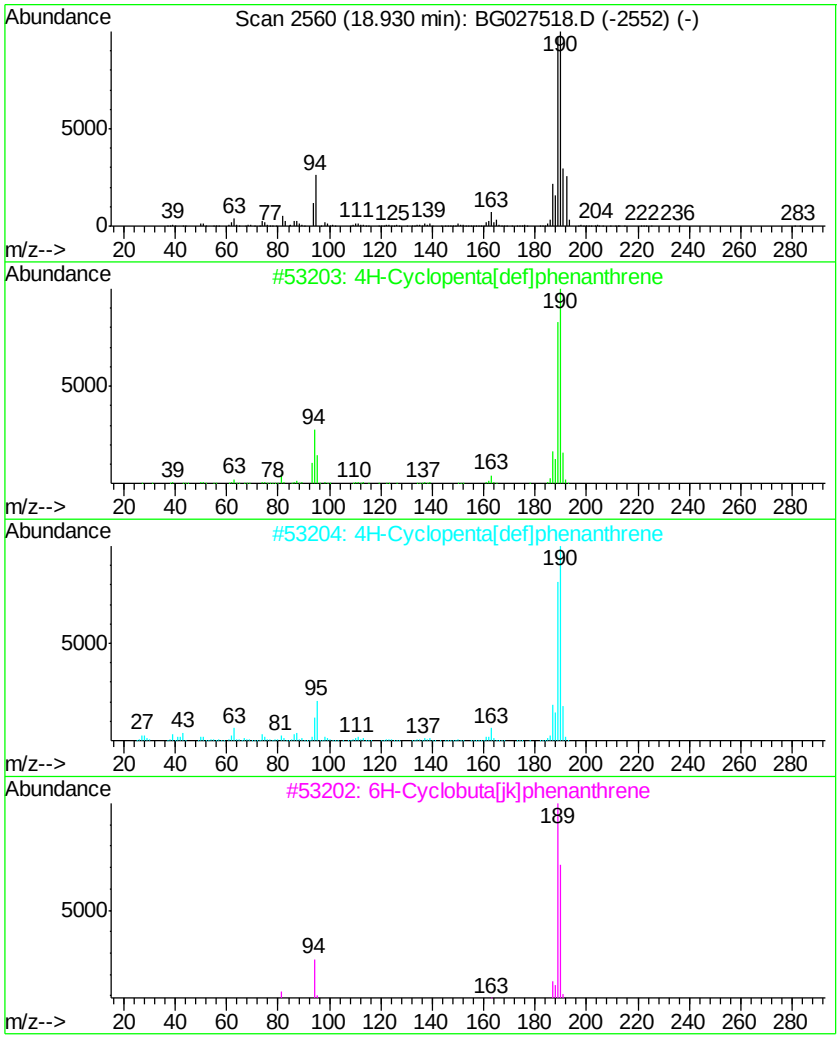
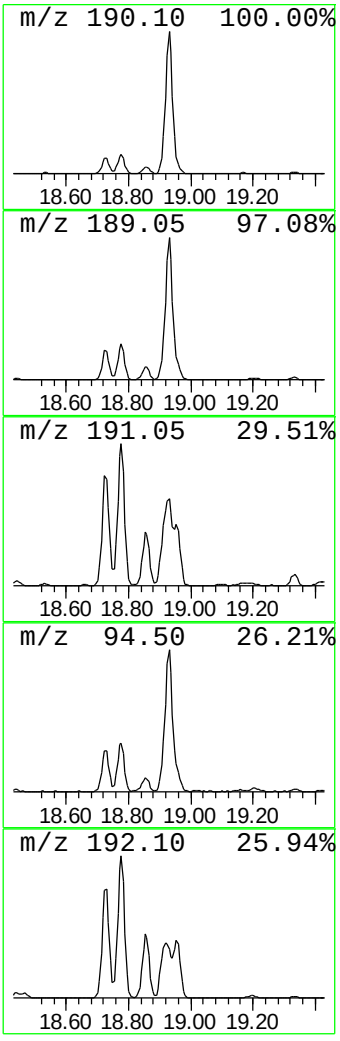
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.75 ng/ul	4057490	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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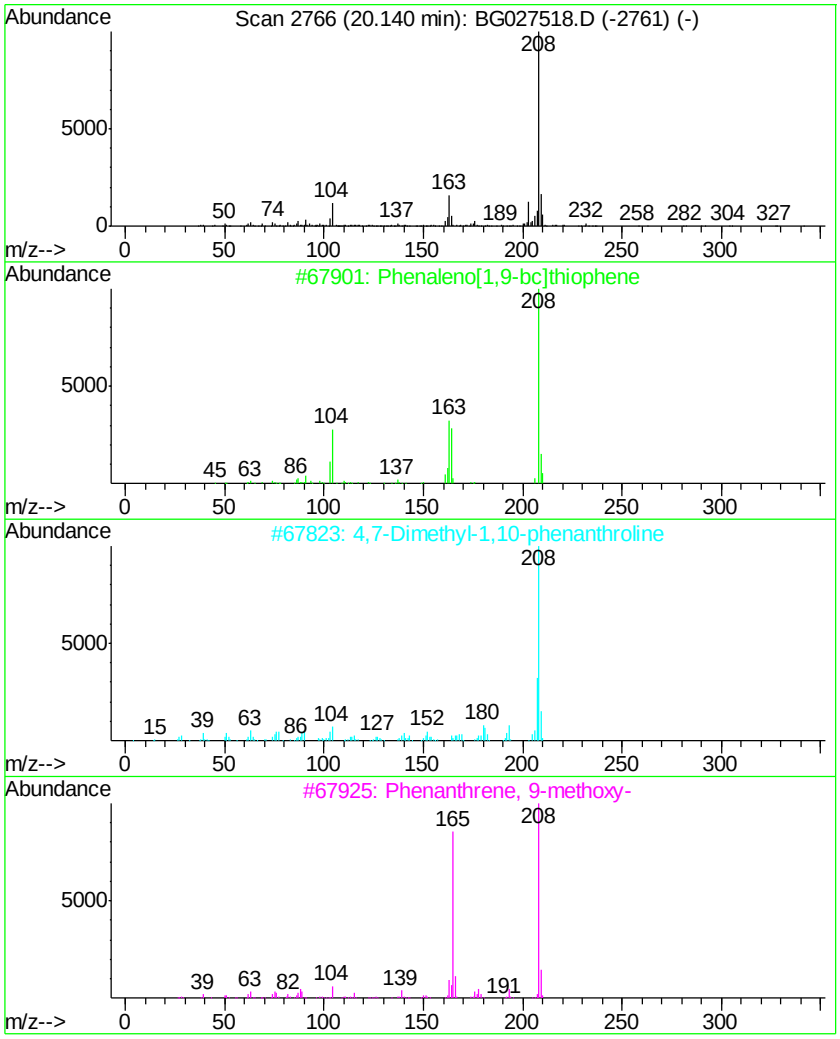
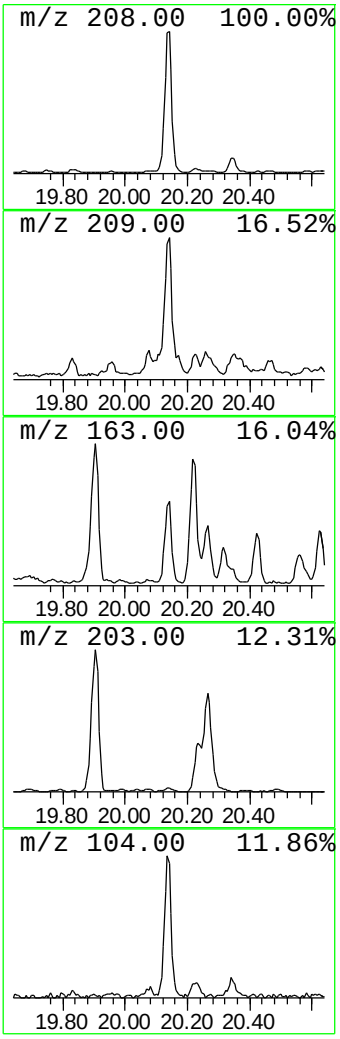
Peak Number 20 Phenaleno[1,9-bc]thiophene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.22 ng/ul	561778	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	83
2	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
3	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	59
4	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	56
5	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	53





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Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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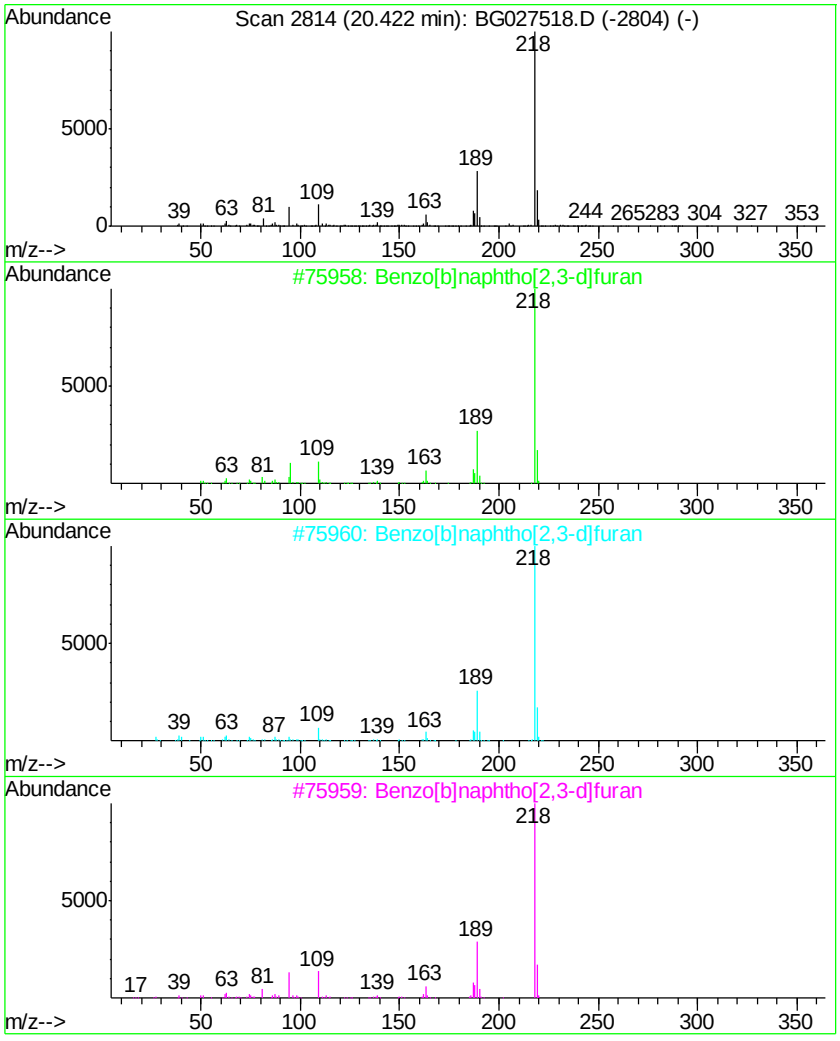
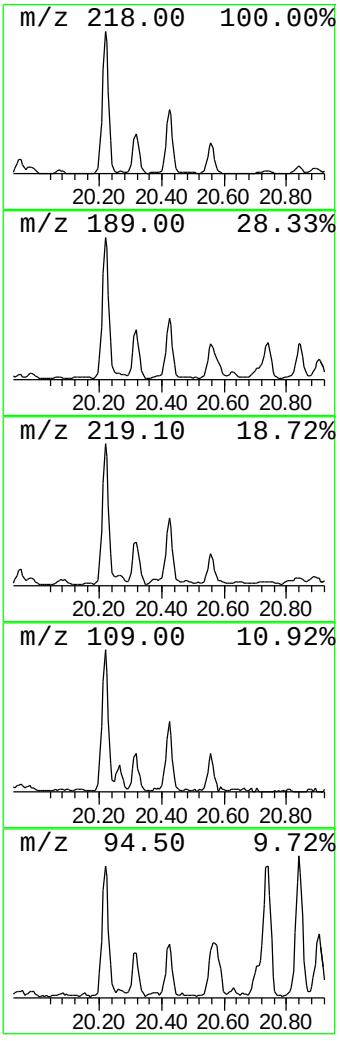
Peak Number 21 Benzo[b]naphtho[2,3-d]furan Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.39 ng/ul	604415	Chrysene-d12	22.24

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





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Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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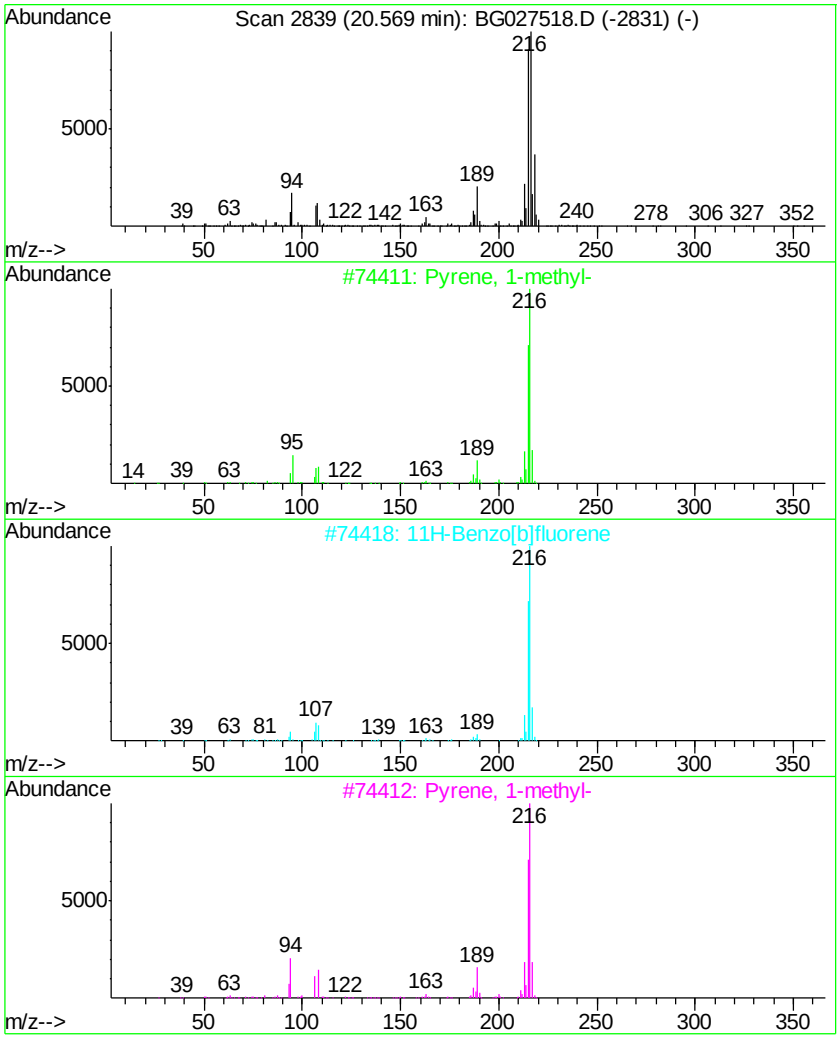
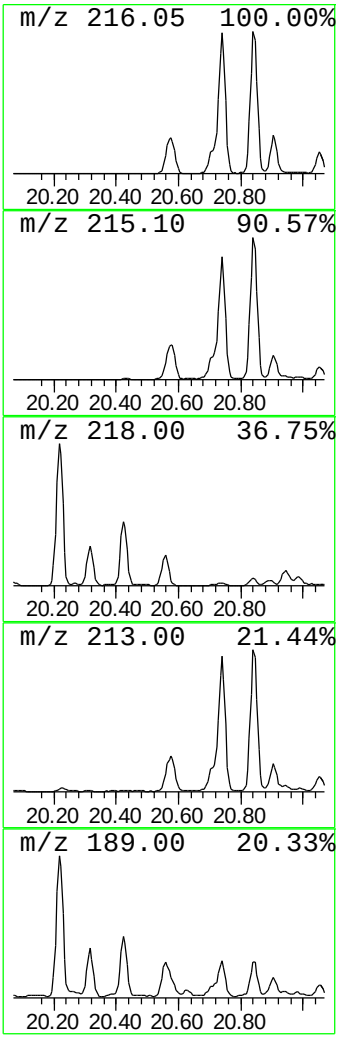
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	3.84 ng/ul	973364	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





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Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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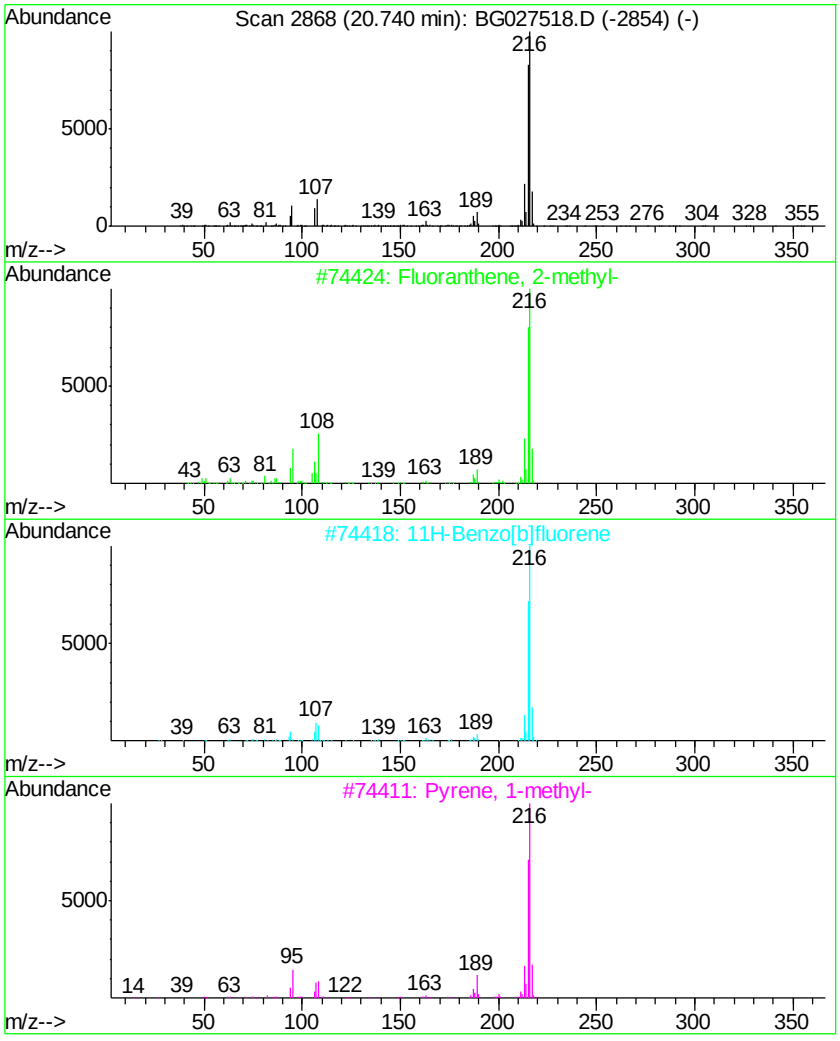
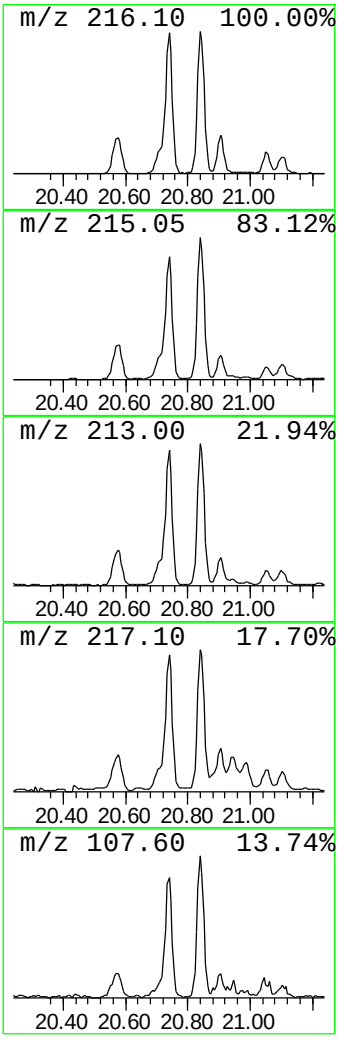
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	9.37 ng/ul	2374130	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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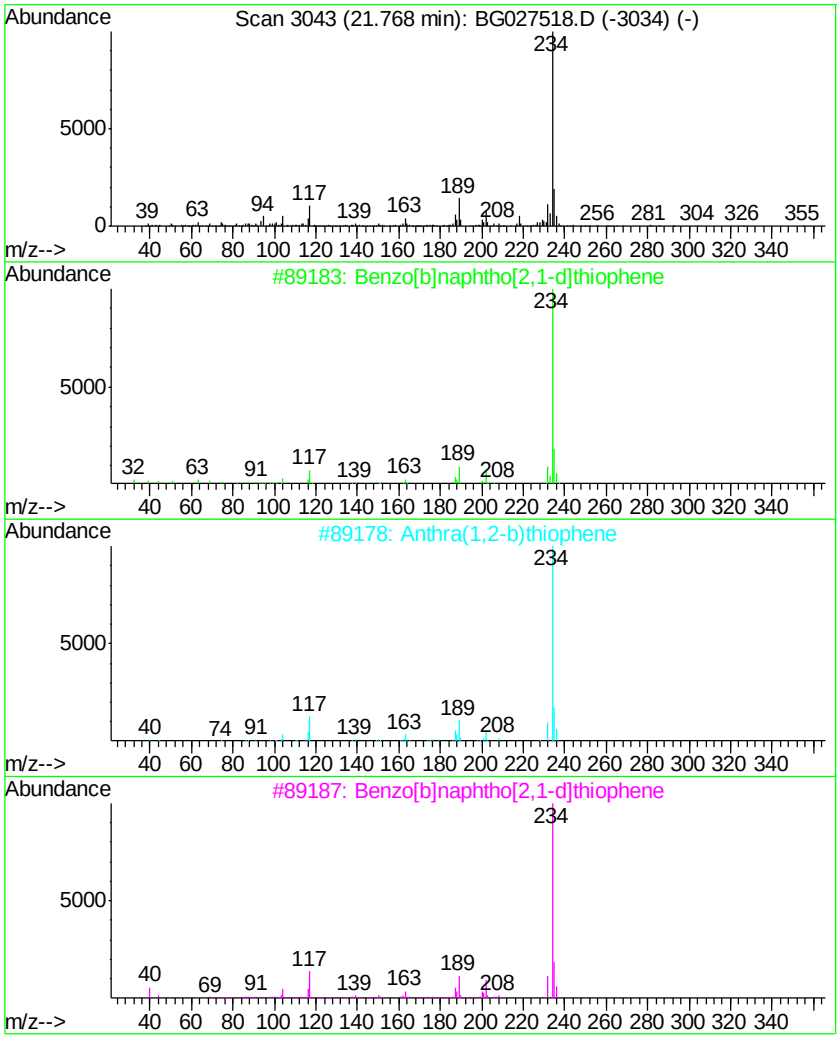
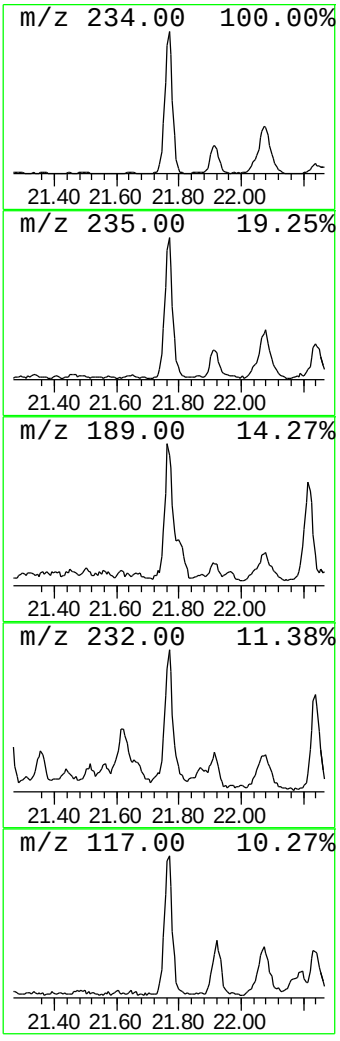
Peak Number 26 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.77 ng/ul	702415	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	98
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	96
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95





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Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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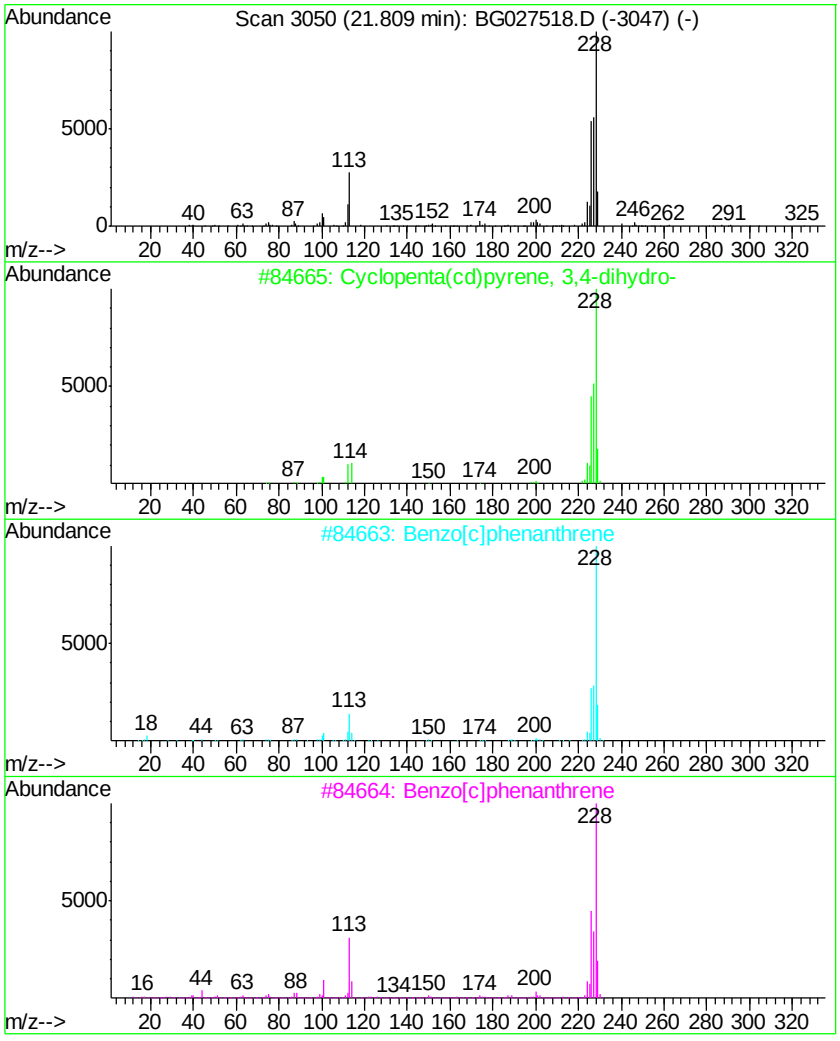
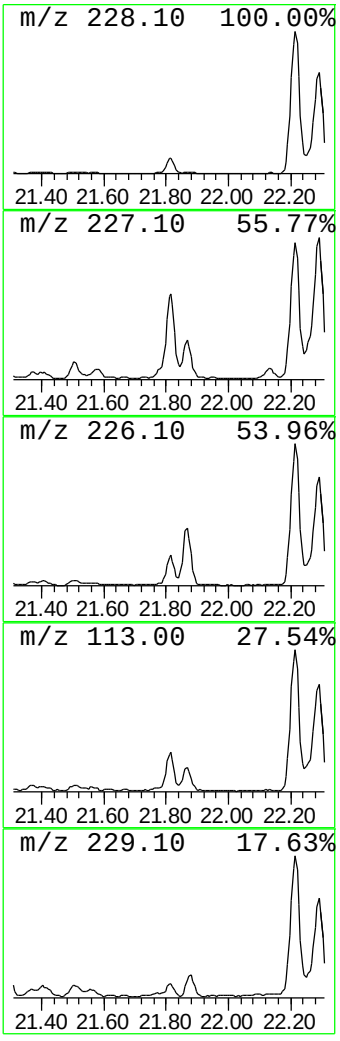
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	2.08 ng/ul	527898	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
5	Triphenylene	228	C18H12	000217-59-4	49





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Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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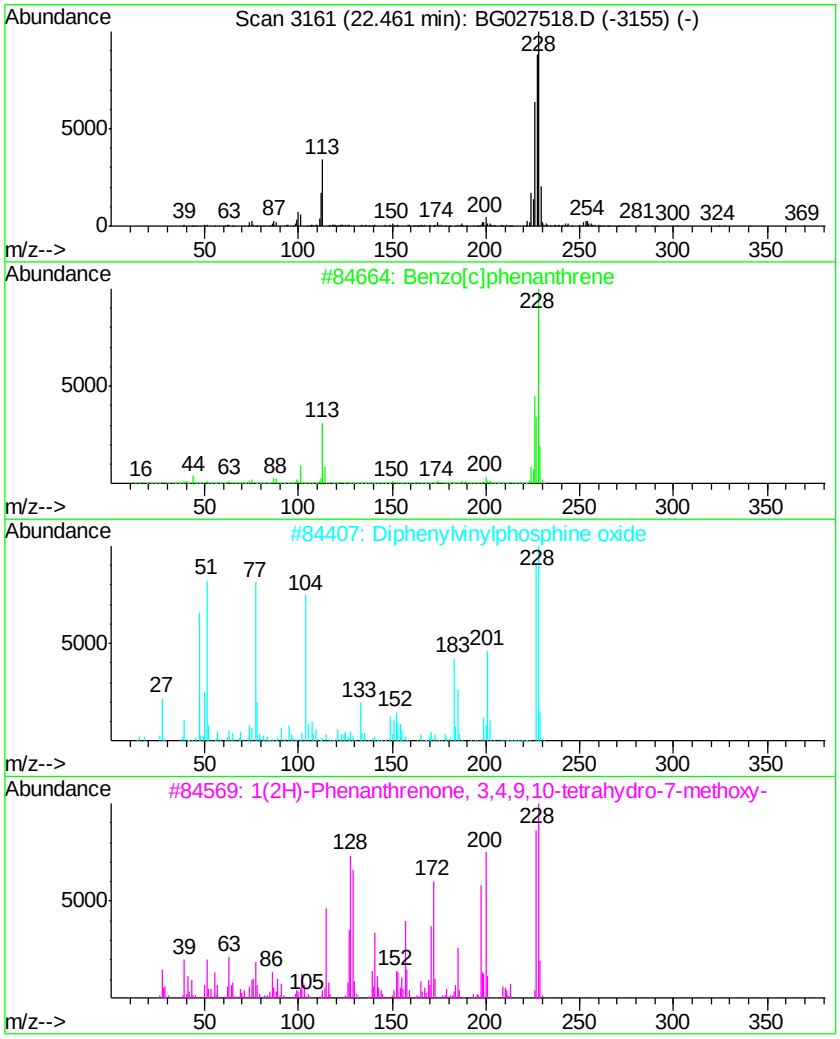
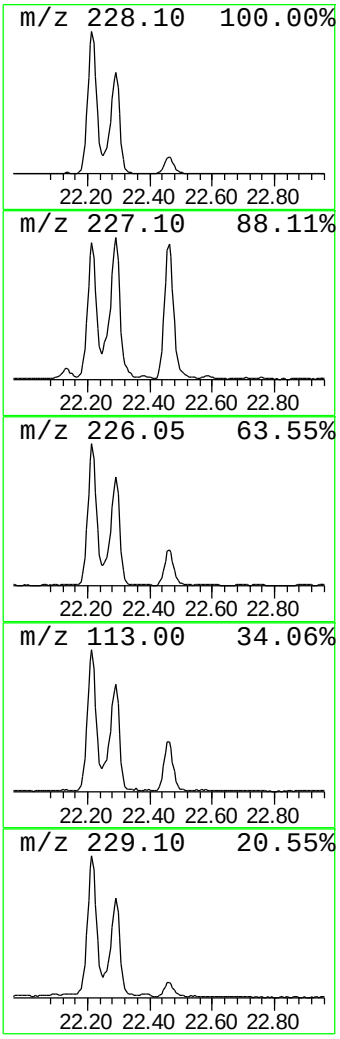
Peak Number 28 Benzo[c]phenanthrene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.46	2.55 ng/ul	645734	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49





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Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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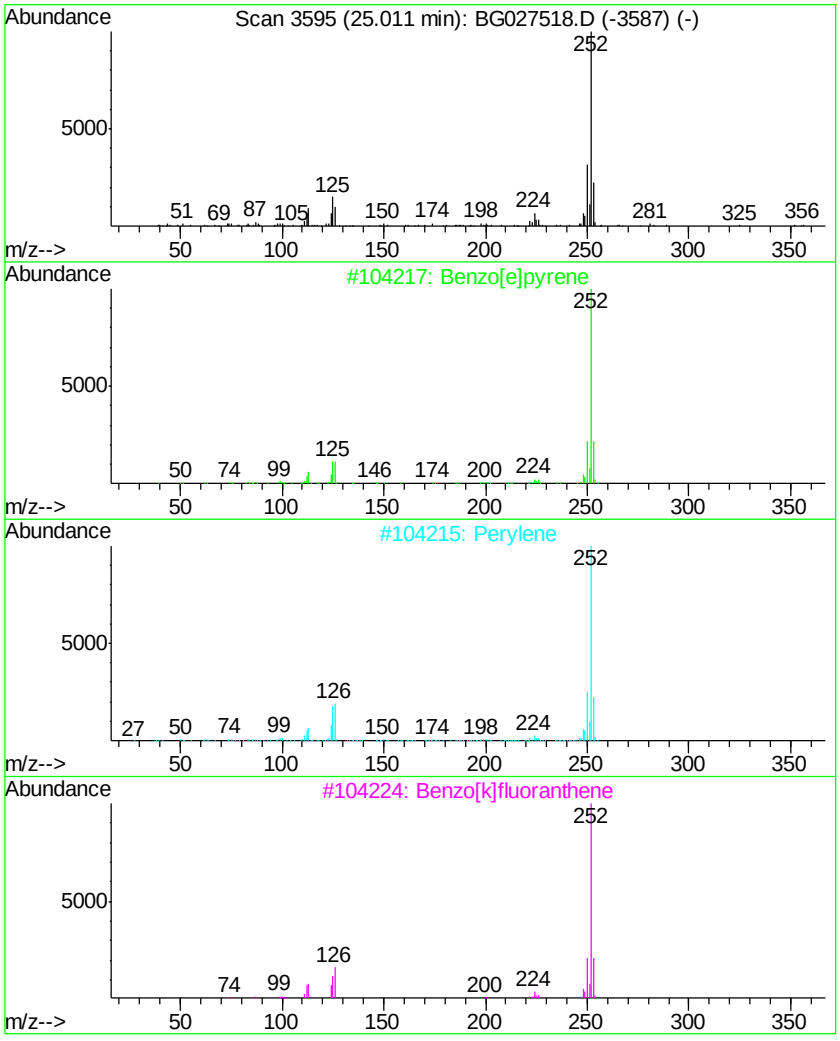
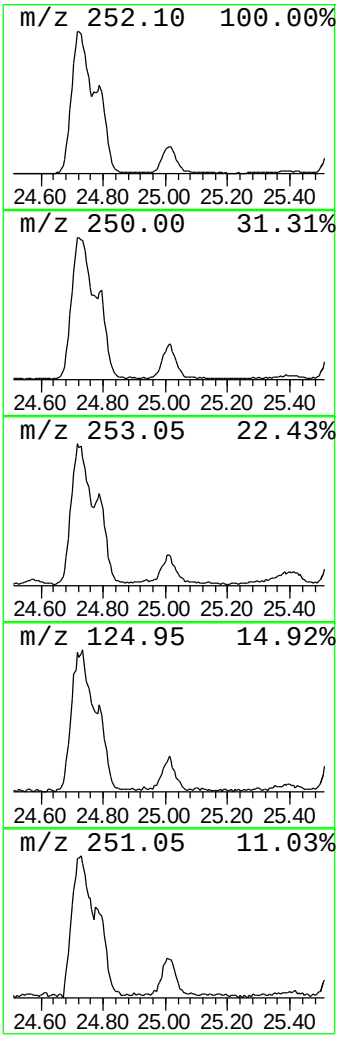
Peak Number 29 Benzo[e]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.01	5.10 ng/ul	277343	Perylene-d12	25.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

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Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B25

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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
Indane	8.89	38.4	ng/ul	669330	1	8.52	348508	20.0
Indene	9.06	51.1	ng/ul	890543	1	8.52	348508	20.0
Naphthalene, 1-me...	13.18	4.0	ng/ul	4431960	2	11.34	22059700	20.0
Naphthalene, 1-et...	14.14	25.7	ng/ul	912560	3	15.11	710180	20.0
Naphthalene, 1,5-...	14.28	58.9	ng/ul	2089960	3	15.11	710180	20.0
Naphthalene, 2,6-...	14.42	54.5	ng/ul	1935590	3	15.11	710180	20.0
Naphthalene, 2,3-...	14.66	25.4	ng/ul	902211	3	15.11	710180	20.0
1-Isopropenylnaph...	15.41	14.1	ng/ul	502096	3	15.11	710180	20.0
Naphthalene, 1,6,...	15.56	10.2	ng/ul	361037	3	15.11	710180	20.0
Naphthalene, 2,3,...	15.88	9.5	ng/ul	338850	3	15.11	710180	20.0
Benzene, [1-(2,4-...	16.27	12.0	ng/ul	424954	3	15.11	710180	20.0
Diphenylmethane	16.31	27.9	ng/ul	989020	3	15.11	710180	20.0
Naphthalene, 1-(2...	16.36	6.0	ng/ul	212835	3	15.11	710180	20.0
1,1'-Biphenyl, 2-...	16.40	13.8	ng/ul	488954	3	15.11	710180	20.0
Dibenzofuran, 4-m...	16.44	33.0	ng/ul	1171590	3	15.11	710180	20.0
4H-Cyclopenta[def...	18.93	3.8	ng/ul	4057490	4	17.86	21629000	20.0
Phenaleno[1,9-bc]...	20.14	2.2	ng/ul	561778	5	22.24	5065640	20.0
Benzo[b]naphtho[2...	20.42	2.4	ng/ul	604415	5	22.24	5065640	20.0
Pyrene, 1-methyl-	20.57	3.8	ng/ul	973364	5	22.24	5065640	20.0
Fluoranthene, 2-m...	20.74	9.4	ng/ul	2374130	5	22.24	5065640	20.0
Benzo[b]naphtho[2...	21.77	2.8	ng/ul	702415	5	22.24	5065640	20.0
Cyclopenta(cd)pyr...	21.81	2.1	ng/ul	527898	5	22.24	5065640	20.0
Benzo[c]phenanthrene	22.46	2.5	ng/ul	645734	5	22.24	5065640	20.0
Benzo[e]pyrene	25.01	5.1	ng/ul	277343	6	25.89	1088680	20.0