LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG073115.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	3.275	94	100	104	rBV2	28241	42177	0.86%	0.088%
2	3.452	124	130	135	rBV	48552	69674	1.43%	0.145%
3	6.666	671	677	686	rBV2	117796	186712	3.82%	0.388%
4	6.801	694	700	706	rBV	75244	114310	2.34%	0.238%
5	7.001	728	734	740	rVB	112198	176922	3.62%	0.368%
6	7.453	806	811	819	rVB	226293	355990	7.29%	0.740%
7	8.193	931	937	944	rBV	95724	160809	3.29%	0.334%
8	8.275	944	951	956	rBV7	11768	25208	0.52%	0.052%
9	8.610	1002	1008	1017	rVV	107946	180633	3.70%	0.375%
10	9.333	1125	1131	1138	rVB2	106692	179079	3.67%	0.372%
11	9.885	1218	1225	1232	rVB	156613	253585	5.19%	0.527%
12	10.244	1277	1286	1291	rBV	324973	550653	11.28%	1.144%
13	10.291	1291	1294	1300	rVB2	31115	50329	1.03%	0.105%
14	10.391	1306	1311	1317	rBV5	12314	24794	0.51%	0.052%
15	11.084	1424	1429	1434	rBV6	11545	23995	0.49%	0.050%
16	11.918	1565	1571	1576	rBV	27187	45402	0.93%	0.094%
17	12.147	1605	1610	1616	rVB2	21316	35694	0.73%	0.074%
18	12.958	1743	1748	1754	rBV2	25351	36472	0.75%	0.076%
19	13.182	1779	1786	1793	rVB5	23096	41720	0.85%	0.087%
20	13.293	1800	1805	1807	rBV4	18558	28018	0.57%	0.058%
21	13.458	1827	1833	1837	rBV3	32271	56031	1.15%	0.116%
22	13.511	1837	1842	1845	rVV3	19357	31106	0.64%	0.065%
23	13.558	1845	1850	1854	rVV	245737	361913	7.41%	0.752%
24	13.605	1854	1858	1865	rVB	103498	145266	2.98%	0.302%
25	13.699	1868	1874	1876	rBV3	13020	21991	0.45%	0.046%
26	13.828	1890	1896	1901	rBV	259929	392127	8.03%	0.815%
27	14.139	1943	1949	1955	rVV2	472938	713475	14.61%	1.483%
28	14.204	1955	1960	1969	rVV	126430	204579	4.19%	0.425%
29	14.351	1981	1985	1988	rBV4	14232	24098	0.49%	0.050%
30	14.404	1989	1994	1999	rVV	82046	126792	2.60%	0.264%
31	14.457	1999	2003	2007	rVV6	15885	29072	0.60%	0.060%
32	14.545	2011	2018	2024	rVV3	68276	136811	2.80%	0.284%
33	14.621	2028	2031	2035	rVB3	20788	29259	0.60%	0.061%
34	14.762	2049	2055	2061	rBV8	19858	47544	0.97%	0.099%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

35	14.821	2061	2065	2069	rVB3	18270	26697	0.55%	0.055%
36	15.009	2094	2097	2104	rVB6	26136	41388	0.85%	0.086%
37	15.144	2114	2120	2124	rVV	303886	427412	8.75%	0.888%
38	15.197	2124	2129	2134	rVV2	139965	196025	4.01%	0.407%
39	15.297	2142	2146	2148	rBV3	43892	59854	1.23%	0.124%
40	15.361	2154	2157	2160	rVB3	27321	28423	0.58%	0.059%
41	15.414	2162	2166	2169	rVV5	23009	38643	0.79%	0.080%
42	15.491	2176	2179	2188	rVB	46686	73478	1.50%	0.153%
43	15.643	2201	2205	2212	rVB2	45114	88219	1.81%	0.183%
44	15.878	2239	2245	2253	rBV2	57484	121383	2.49%	0.252%
45	16.478	2344	2347	2351	rVB6	26557	33638	0.69%	0.070%
46	16.560	2357	2361	2368	rVB	64147	97957	2.01%	0.204%
47	16.654	2370	2377	2384	rVV8	53332	174406	3.57%	0.362%
48	16.719	2384	2388	2392	rVV	116262	160395	3.29%	0.333%
49	16.783	2396	2399	2402	rVB4	33034	36186	0.74%	0.075%
50	16.901	2414	2419	2422	rBV	449447	633090	12.97%	1.316%
51	16.948	2422	2427	2432	rVV	2120626	2950341	60.43%	6.132%
52	17.001	2432	2436	2439	rVV	283227	416381	8.53%	0.865%
53	17.036	2439	2442	2446	rVV	482263	616753	12.63%	1.282%
54	17.083	2446	2450	2457	rVB4	82054	148484	3.04%	0.309%
55	17.312	2486	2489	2493	rVB	87192	111731	2.29%	0.232%
56	17.424	2504	2508	2511	rVB3	47819	61455	1.26%	0.128%
57	17.512	2514	2523	2527	rBV3	183572	392526	8.04%	0.816%
58	17.782	2561	2569	2572	rBV	228186	394693	8.08%	0.820%
59	17.829	2572	2577	2582	rVB2	499310	703737	14.41%	1.463%
60	17.882	2582	2586	2589	rBV	398906	491692	10.07%	1.022%
61	17.976	2597	2602	2606	rBV2	718637	1030087	21.10%	2.141%
62	18.011	2606	2608	2611	rVV	56583	70806	1.45%	0.147%
63	18.264	2648	2651	2653	rBV2	165373	204845	4.20%	0.426%
64	18.287	2653	2655	2659	rVV	193383	243166	4.98%	0.505%
65	18.334	2660	2663	2667	rVB2	147434	200970	4.12%	0.418%
66	18.411	2673	2676	2679	rBV5	48909	68558	1.40%	0.142%
67	18.446	2679	2682	2687	rVB3	79964	103430	2.12%	0.215%
68	18.593	2704	2707	2710	rVB	74296	81246	1.66%	0.169%
69	18.716	2724	2728	2732	rBV	115944	188604	3.86%	0.392%
70	18.840	2742	2749	2758	rVB5	400258	1002019	20.52%	2.083%
71	18.922	2761	2763	2767	rVB4	76950	86792	1.78%	0.180%

LSC Area Percent Report

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Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

72	18.992	2768	2775	2780	rBV	3450879	4741568	97.11%	9.855%
73	19.051	2782	2785	2788	rBV2	117133	174598	3.58%	0.363%
74	19.127	2794	2798	2803	rVB2	554865	805709	16.50%	1.675%
75	19.192	2806	2809	2812	rBV3	162030	208607	4.27%	0.434%
76	19.357	2827	2837	2845	rBV	2537271	4882582	100.00%	10.148%
77	19.468	2853	2856	2860	rVB2	176676	192665	3.95%	0.400%
78	19.527	2862	2866	2868	rVV	168899	259227	5.31%	0.539%
79	19.580	2871	2875	2883	rVB2	504931	761673	15.60%	1.583%
80	19.844	2916	2920	2925	rVB2	523129	787381	16.13%	1.636%
81	19.897	2925	2929	2933	rVB	370644	399547	8.18%	0.830%
82	19.950	2935	2938	2941	rBV	193016	230604	4.72%	0.479%
83	20.044	2952	2954	2959	rVB2	161034	177498	3.64%	0.369%
84	20.120	2964	2967	2971	rBV	343858	427239	8.75%	0.888%
85	20.438	3019	3021	3026	rVB2	341527	372330	7.63%	0.774%
86	20.596	3045	3048	3054	rVB	472346	679737	13.92%	1.413%
87	20.767	3071	3077	3080	rBV3	288077	597853	12.24%	1.243%
88	20.802	3081	3083	3086	rVV	237489	250238	5.13%	0.520%
89	20.843	3087	3090	3095	rVV2	400626	661853	13.56%	1.376%
90	20.902	3098	3100	3105	rVB	295908	358544	7.34%	0.745%
91	21.043	3121	3124	3127	rVB	278232	263491	5.40%	0.548%
92	21.113	3131	3136	3140	rVV2	1944271	3284709	67.27%	6.827%
93	21.166	3141	3145	3149	rVB	1647123	2105764	43.13%	4.377%
94	21.278	3161	3164	3168	rVB	559783	574384	11.76%	1.194%
95	21.701	3233	3236	3242	rVB2	485565	639981	13.11%	1.330%
96	21.760	3243	3246	3251	rBV3	386341	565221	11.58%	1.175%
97	22.153	3310	3313	3317	rVB2	576344	675647	13.84%	1.404%
98	22.670	3393	3401	3405	rBV2	1408191	4045833	82.86%	8.409%
99	23.135	3475	3480	3485	rBV	605431	1192037	24.41%	2.478%
100	23.822	3594	3597	3613	rVB3	542382	1090059	22.33%	2.266%

Sum of corrected areas: 48114329

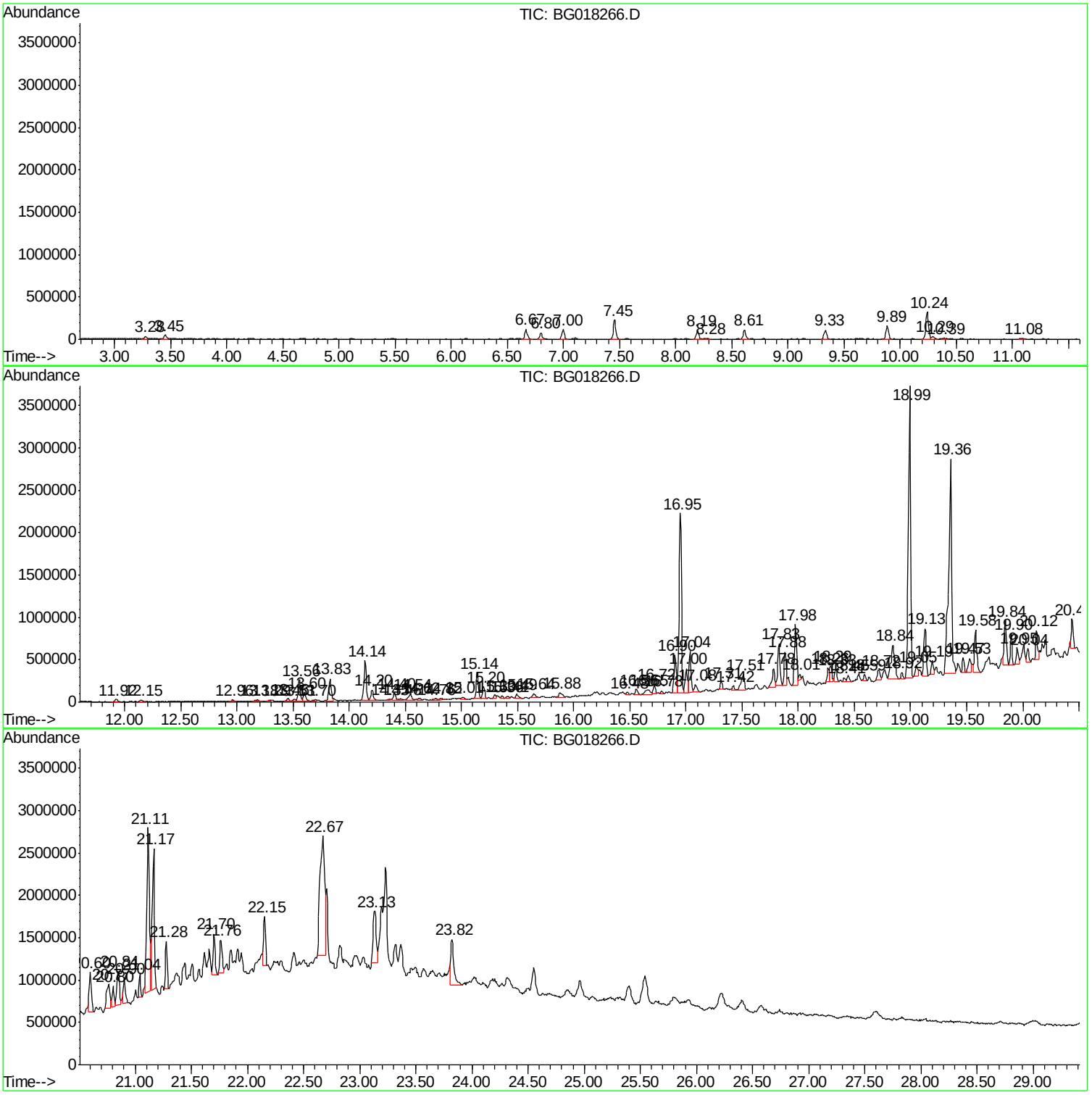
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

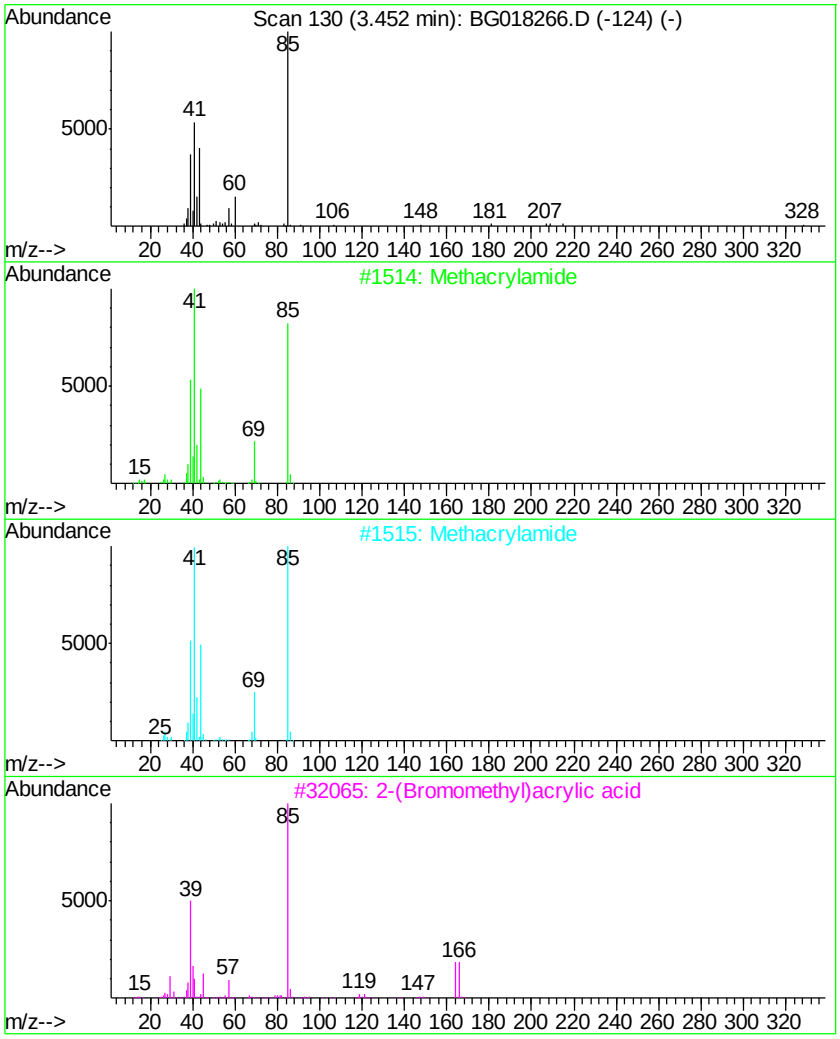
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

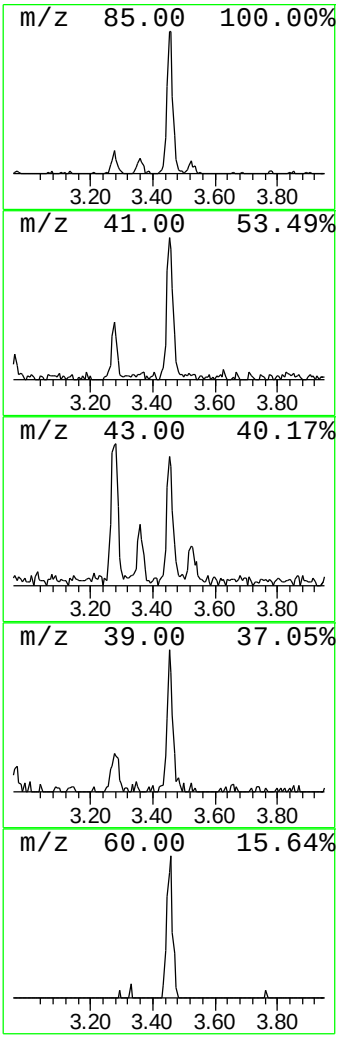
****

Peak Number 2 Methacrylamide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	3.91 ng/ul	69674	1,4-Dichlorobenzene-d4	7.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	59
2	Methacrylamide	85	C4H7NO	000079-39-0	45
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	38
4	Methacrylamide	85	C4H7NO	000079-39-0	9
5	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

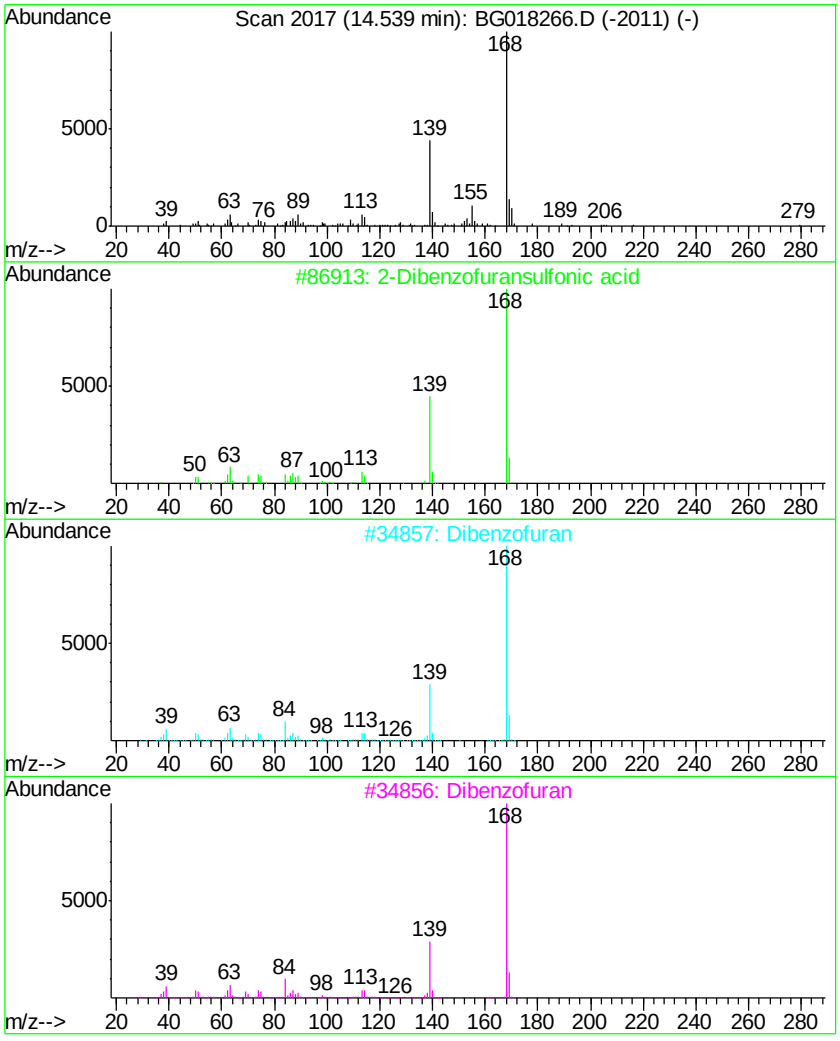
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

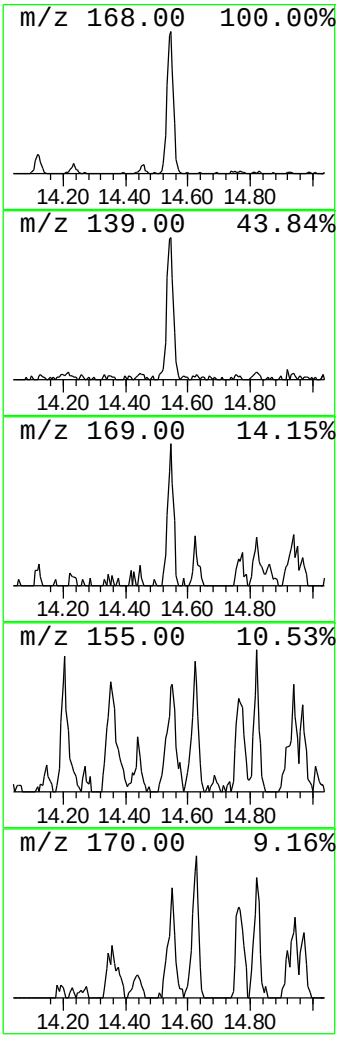
****

Peak Number 3 2-Dibenzofuransulfonic acid Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.84 ng/ul	136811	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuransulfonic acid	248	C12H8O4S	083863-63-2	74
2	Dibenzofuran	168	C12H8O	000132-64-9	72
3	Dibenzofuran	168	C12H8O	000132-64-9	72
4	Pyrimidine, 5-ethoxy-4-methoxy-2...	168	C8H12N2O2	024614-12-8	59
5	Benzenemethanol, 3,5-dimethoxy-....	224	C13H20O3	055030-14-3	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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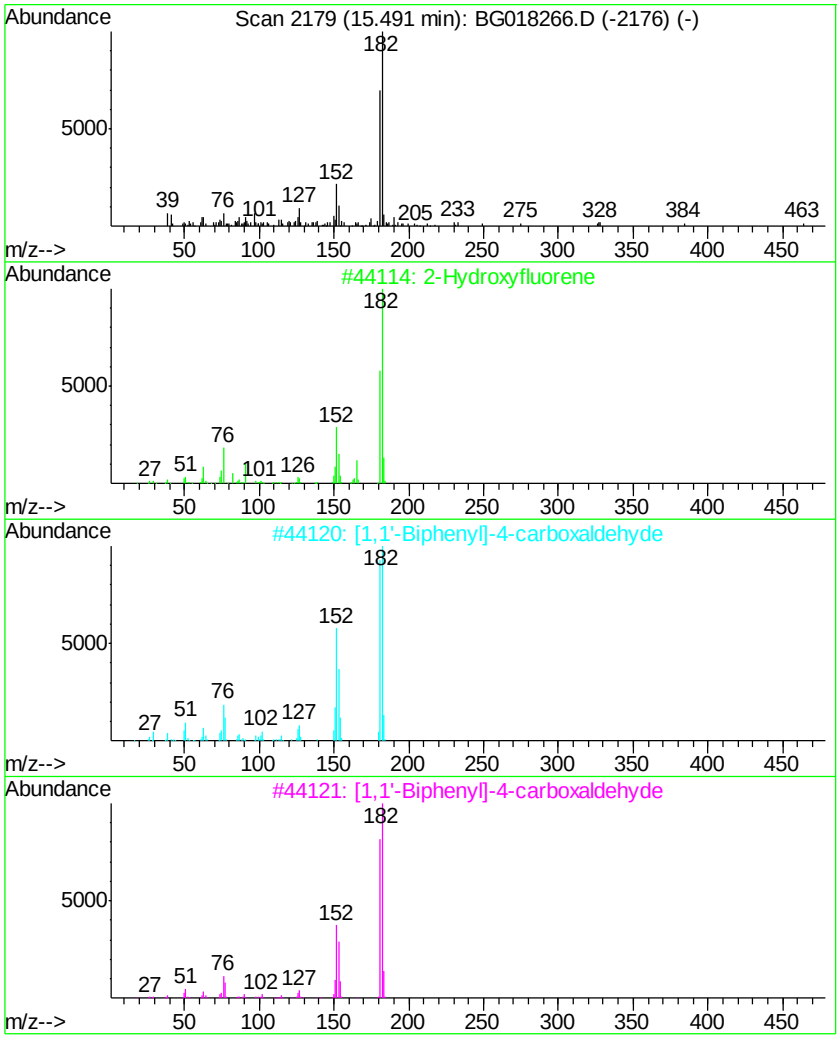
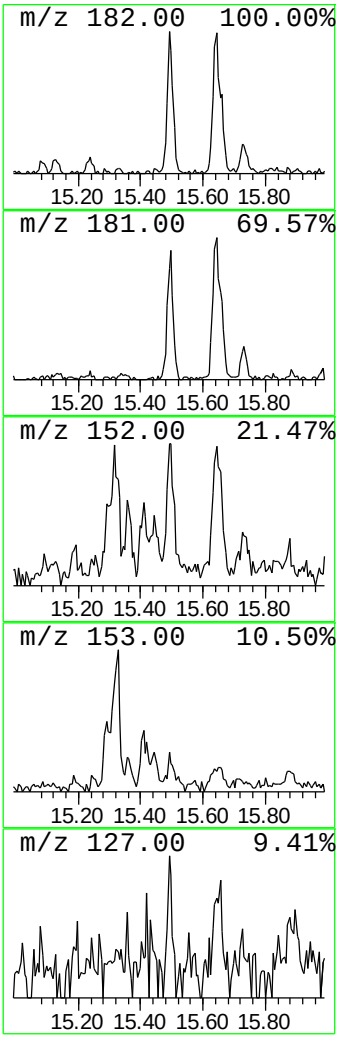
Peak Number 4 2-Hydroxyfluorene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	2.06 ng/ul	73478	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxyfluorene	182	C13H10O	002443-58-5	72
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	50
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	47
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

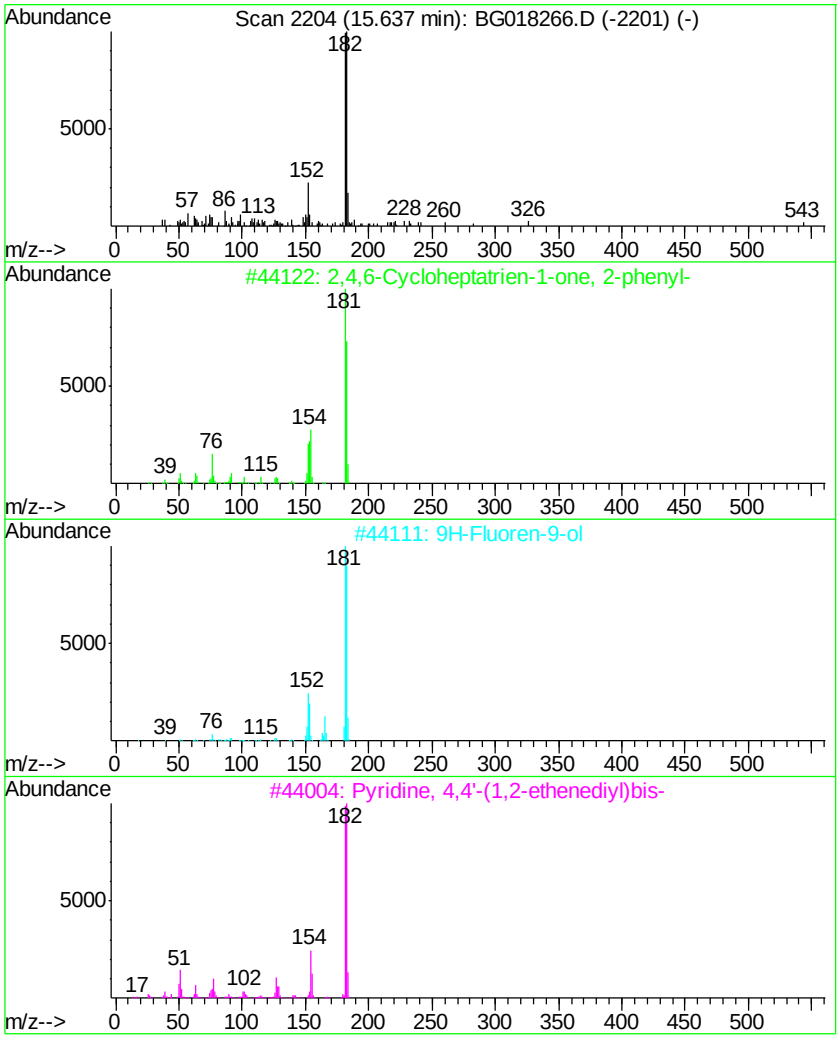
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

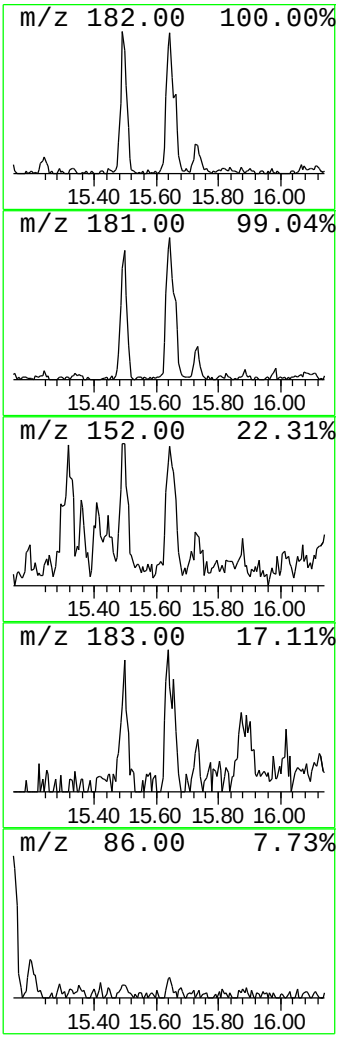
****

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.79 ng/ul	88219	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

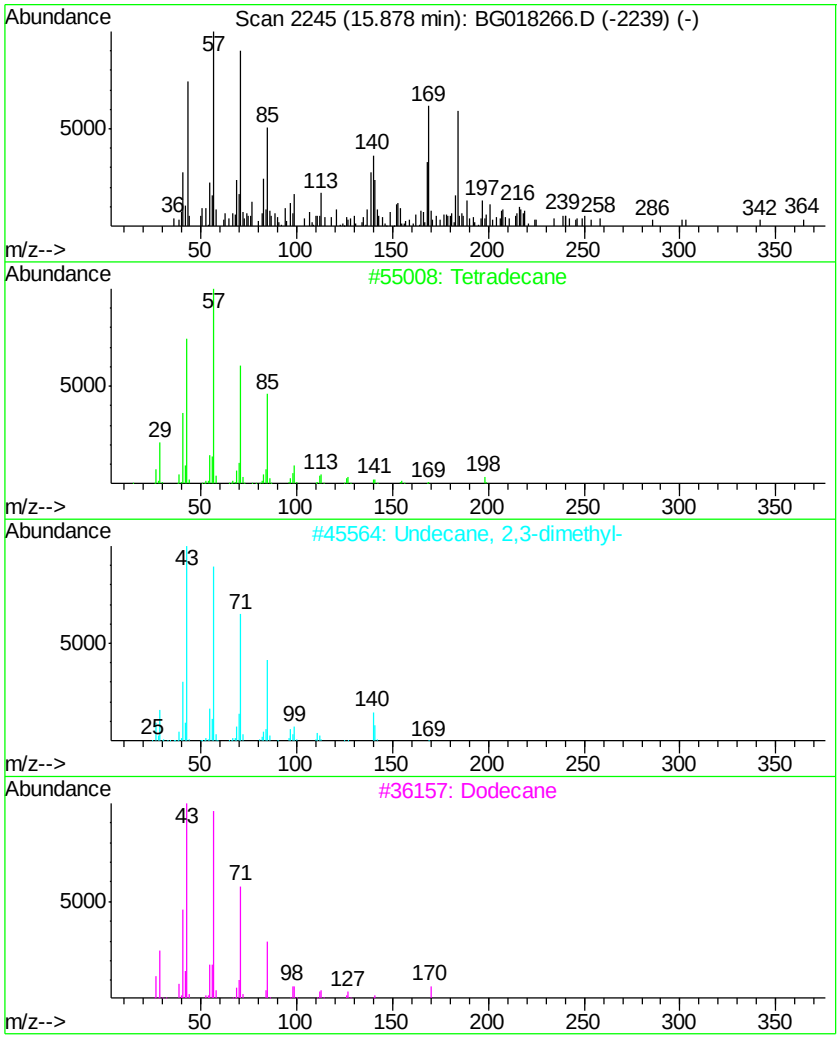
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

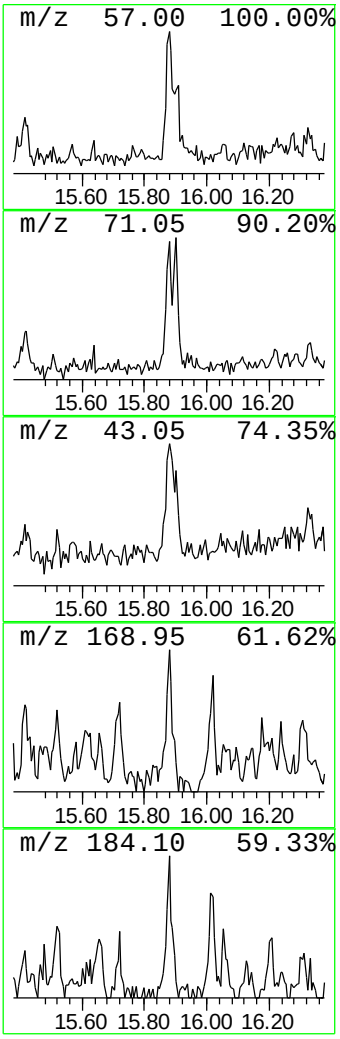
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	3.83 ng/ul	121383	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	80
2	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	38
3	Dodecane	170	C12H26	000112-40-3	38
4	Tridecane	184	C13H28	000629-50-5	38
5	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	35





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Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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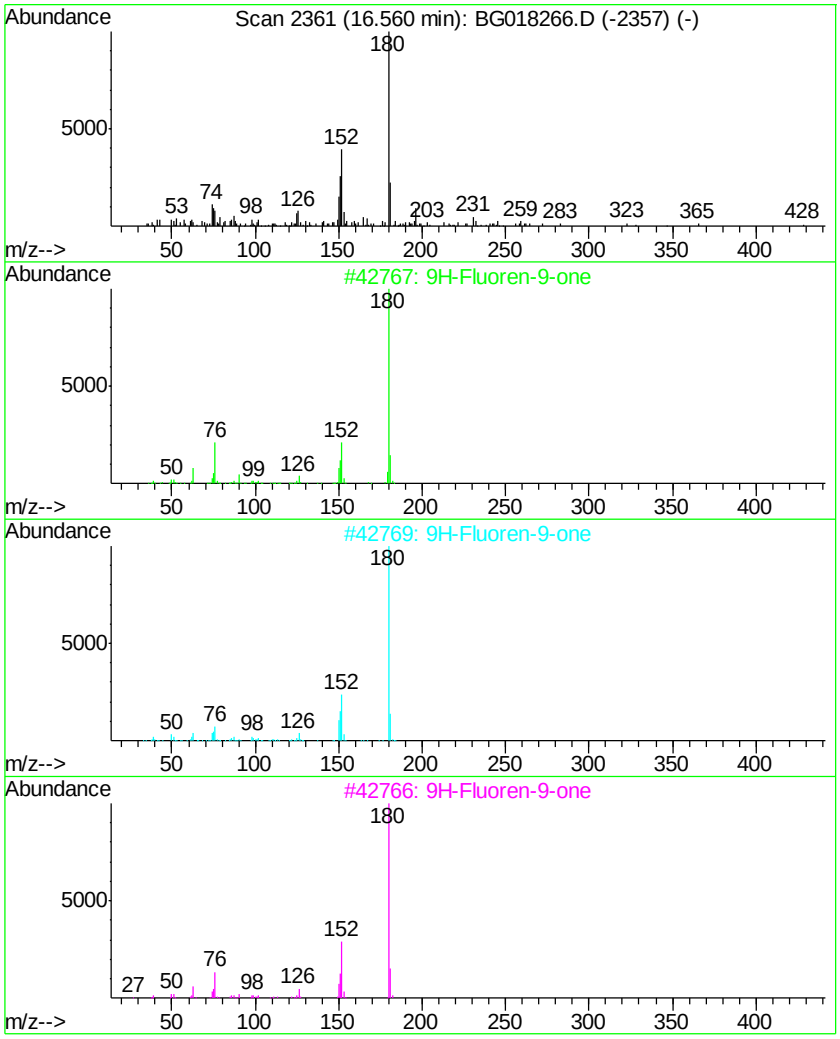
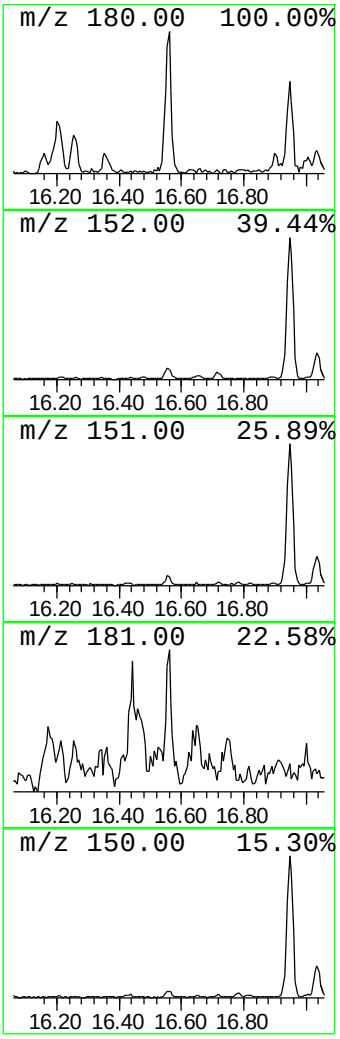
Peak Number 7 9H-Fluoren-9-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	3.09 ng/ul	97957	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	80
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68





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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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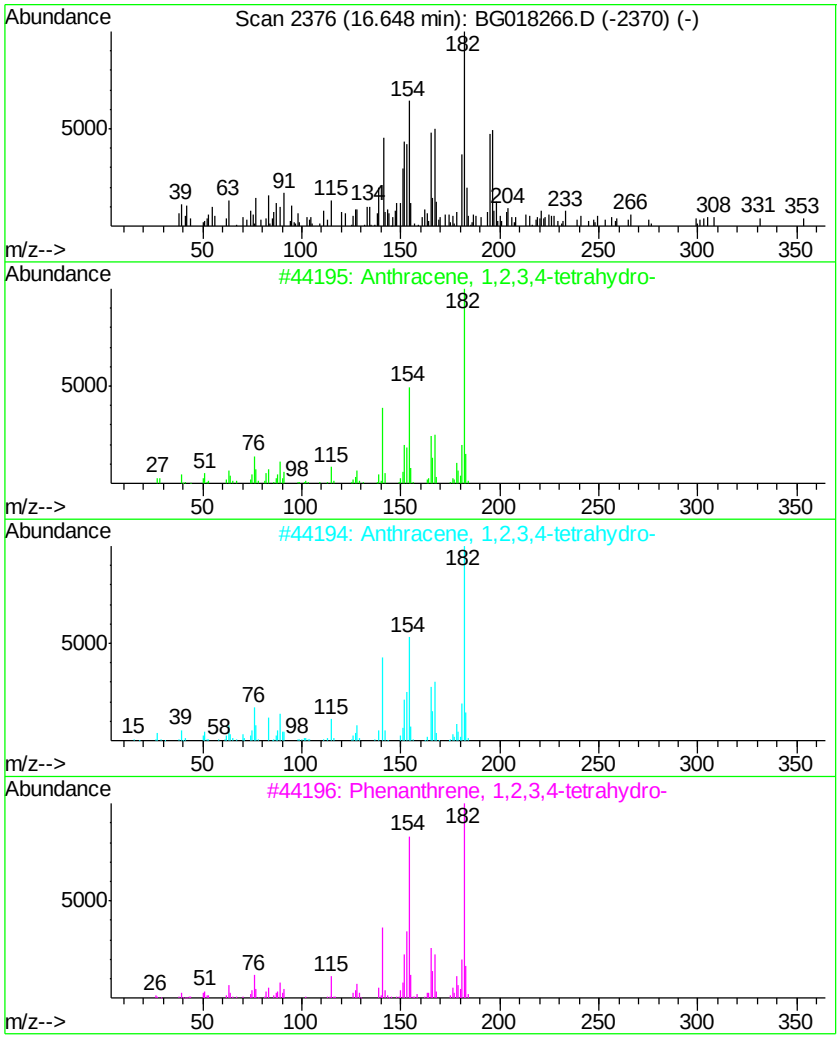
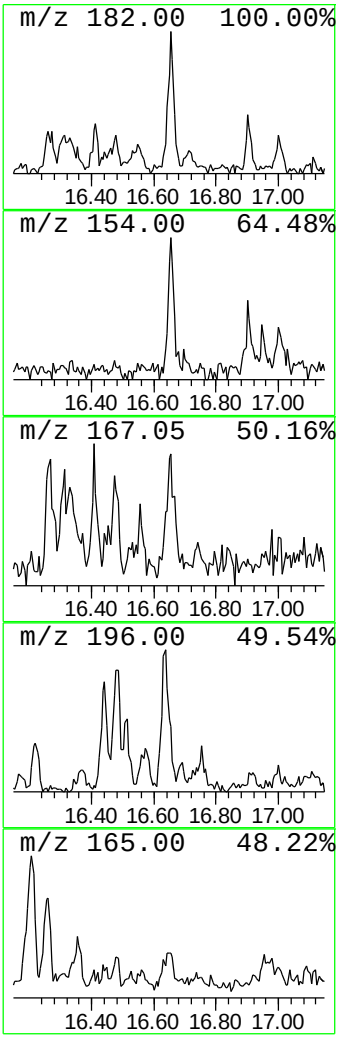
Peak Number 8 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	5.51 ng/ul	174406	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	81
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	68
5	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	47





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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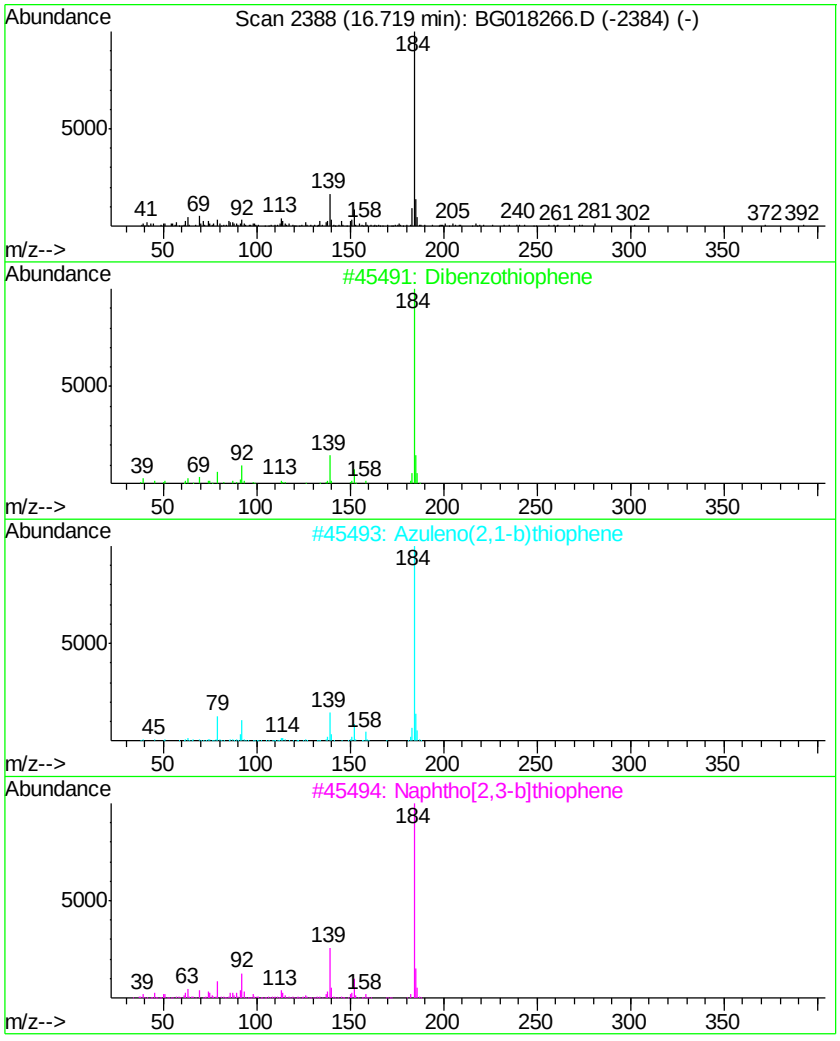
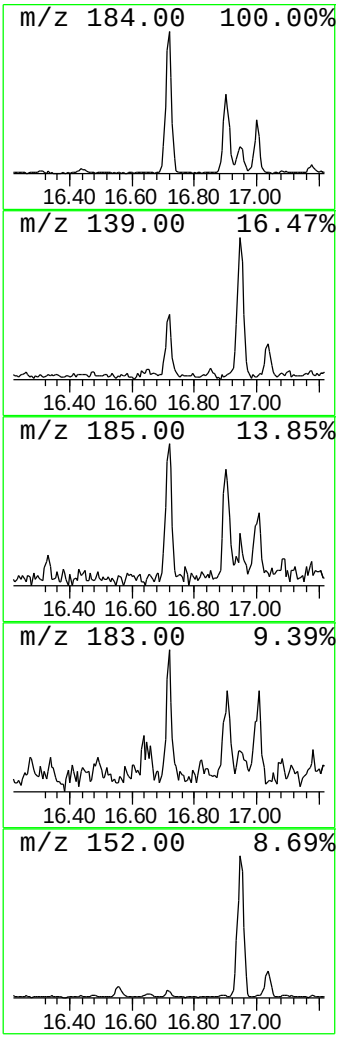
Peak Number 9 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	5.07 ng/ul	160395	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
4	Dibenzothiophene	184	C12H8S	000132-65-0	83
5	Dibenzothiophene	184	C12H8S	000132-65-0	83





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Acq On : 4 Aug 2015 23:00
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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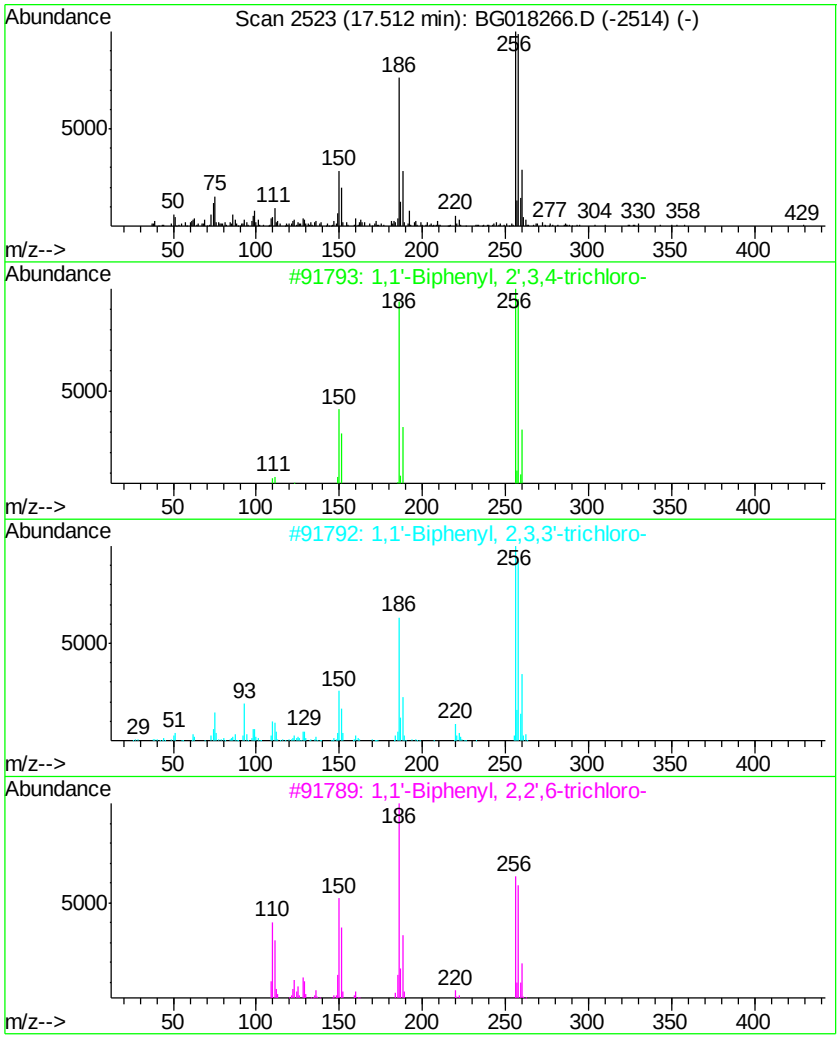
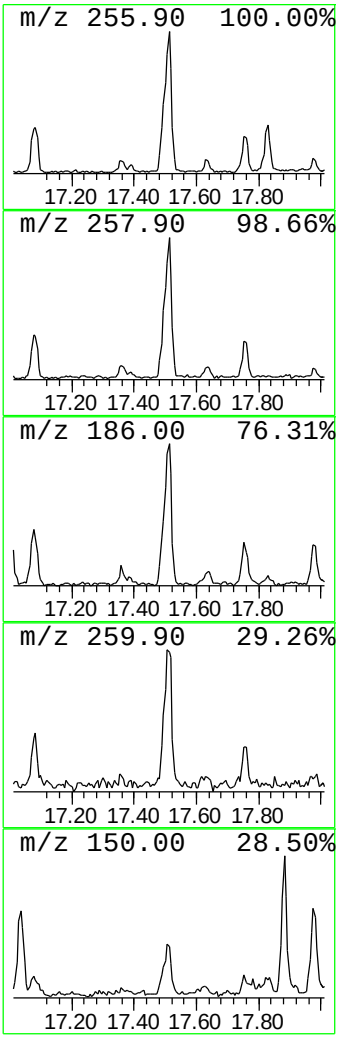
Peak Number 10 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	12.40 ng/ul	392526	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	97
2	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	96
3	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	96
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
5	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	95





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Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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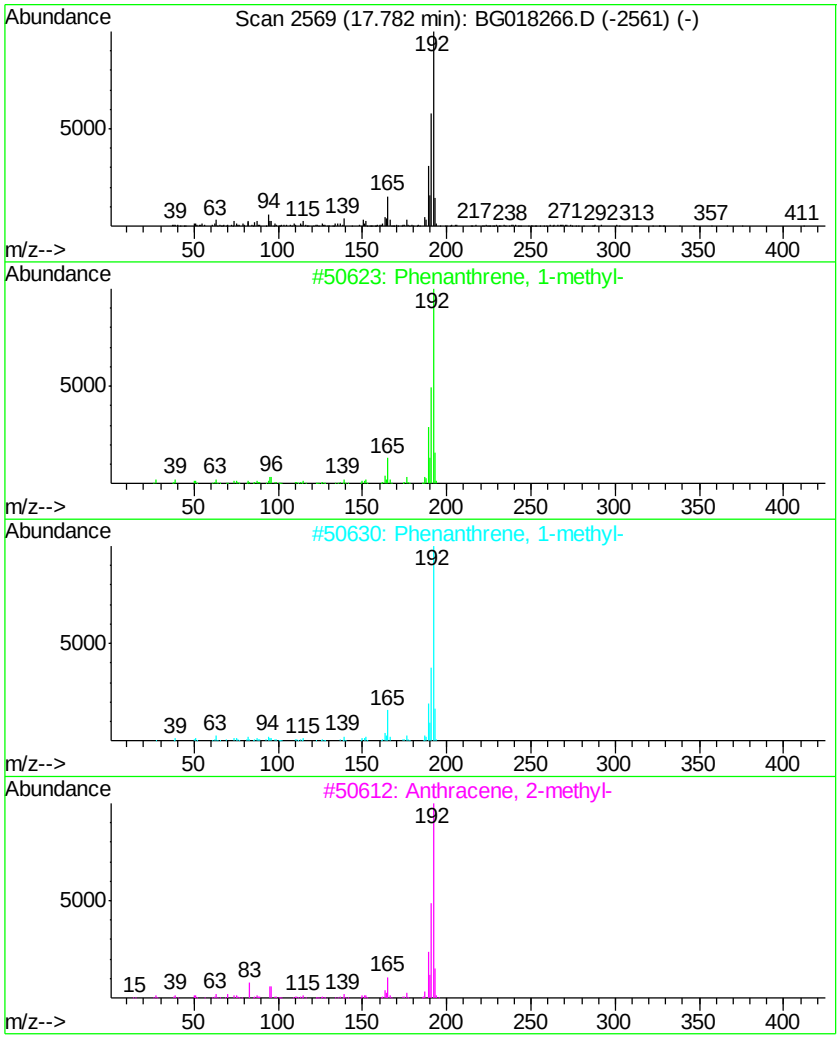
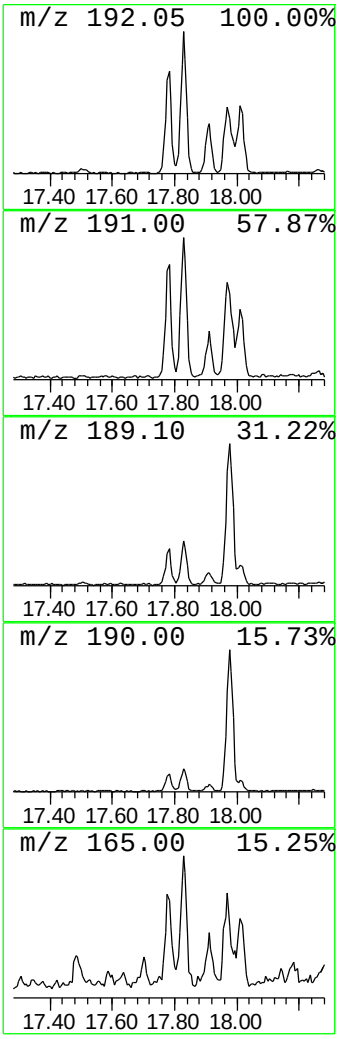
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	12.47 ng/ul	394693	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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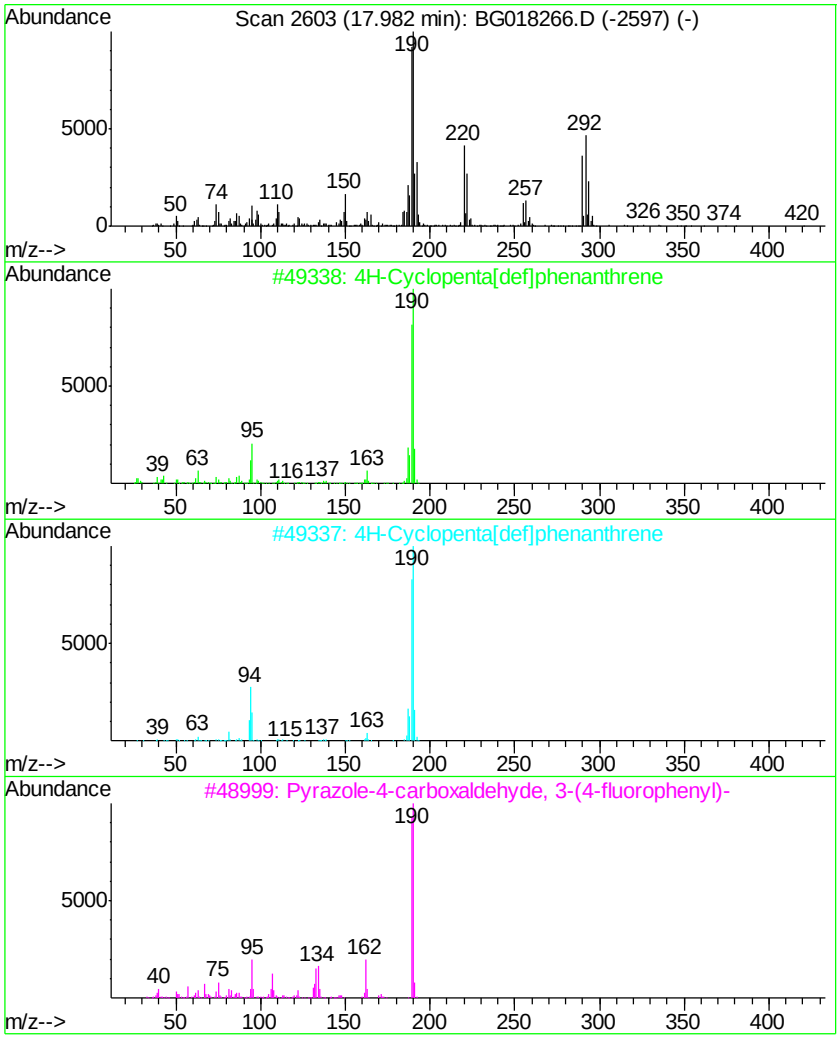
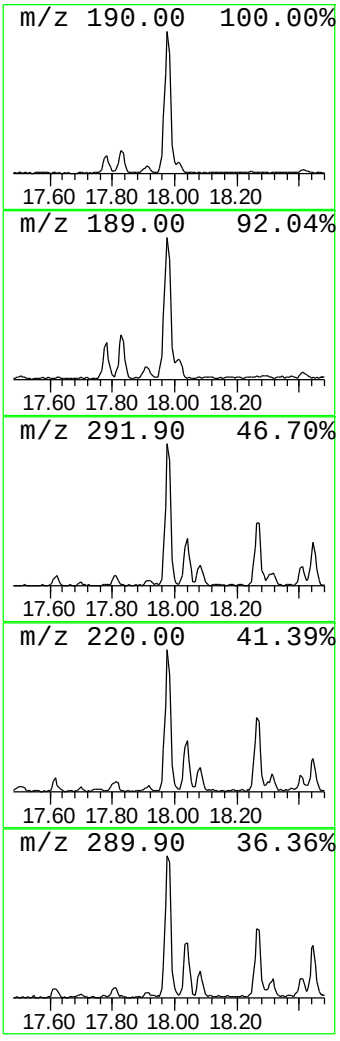
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	32.54 ng/ul	1030090	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	35
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	32
5	4-(4-Methyl-piperidin-1-yl)-phen...	190	C12H18N2	342013-25-6	25





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Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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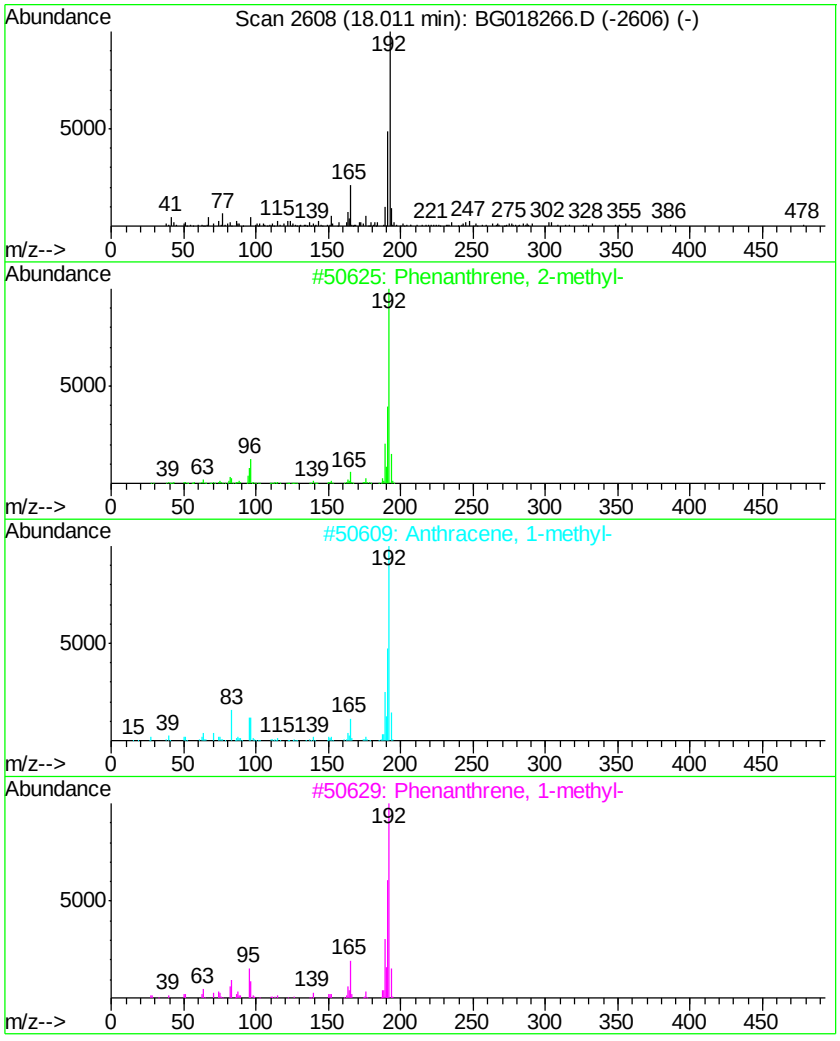
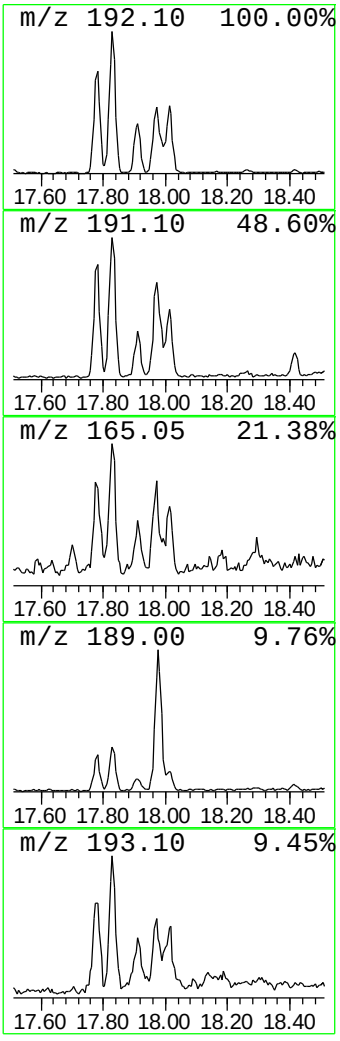
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.24 ng/ul	70806	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





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Sample : G3109-04
Misc :
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Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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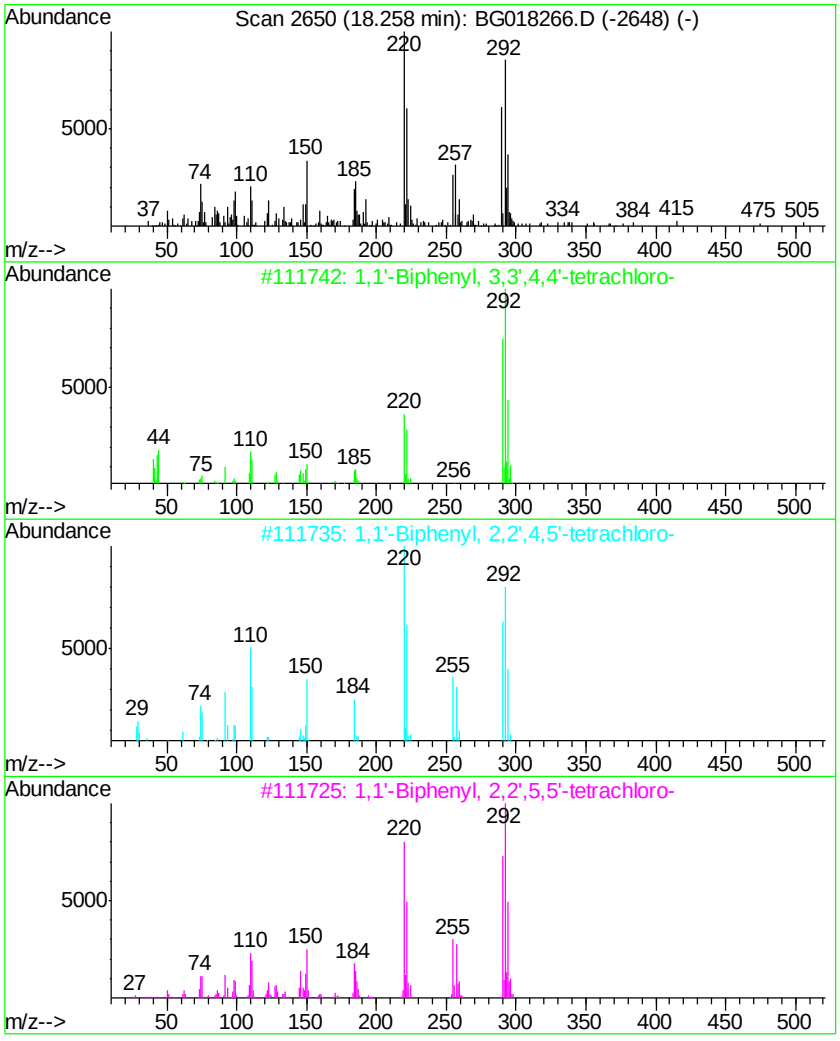
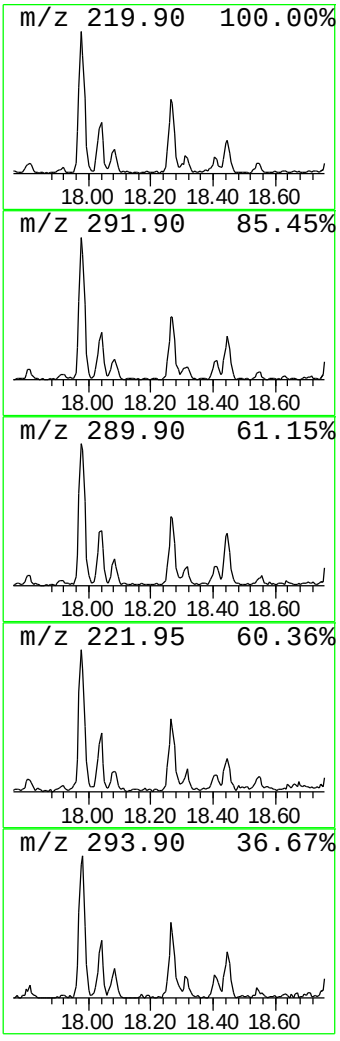
Peak Number 15 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	6.47 ng/ul	204845	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	94





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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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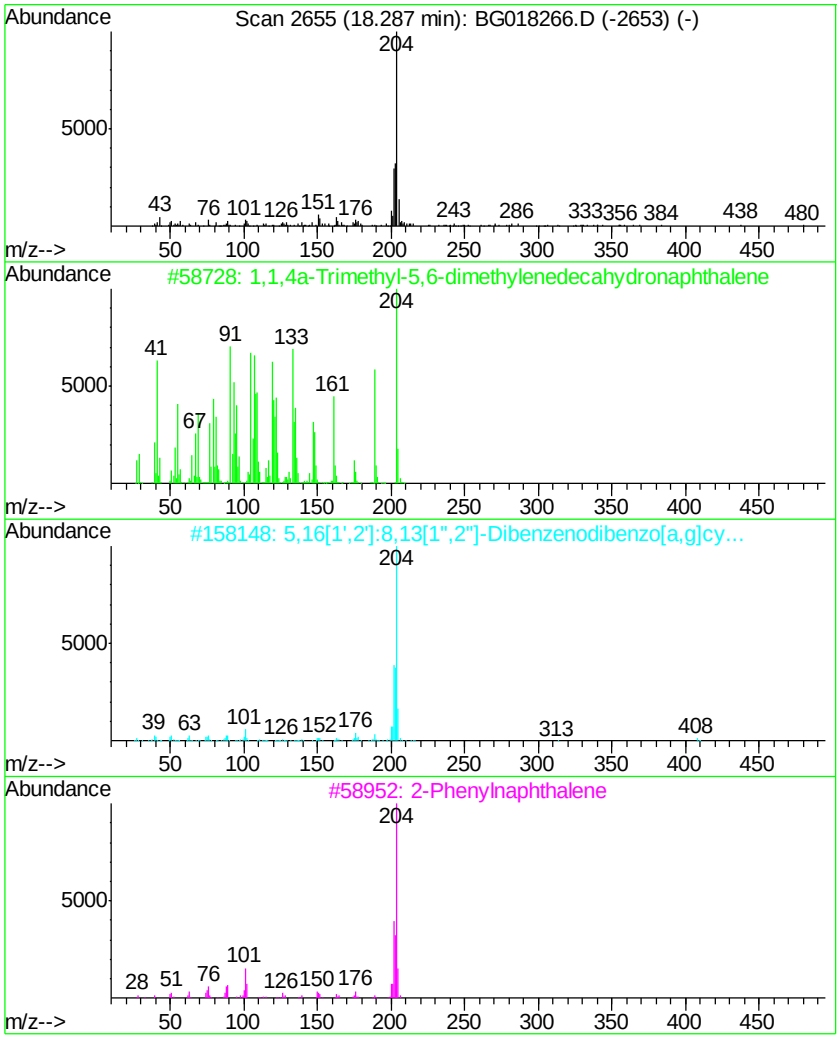
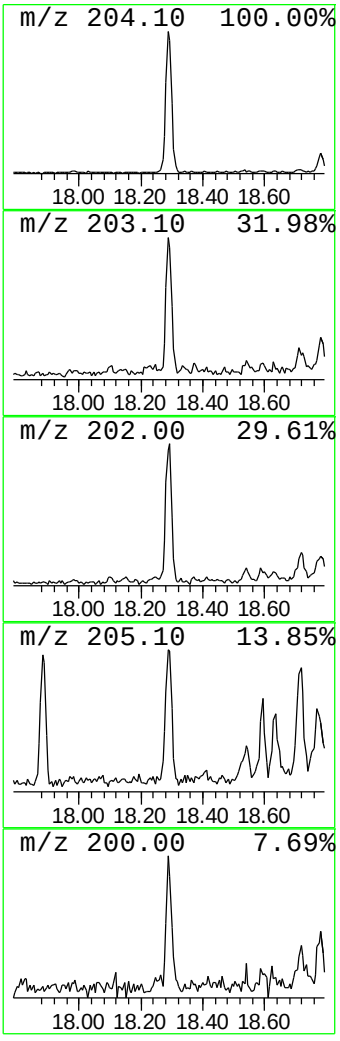
Peak Number 16 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	7.68 ng/ul	243166	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	59
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	59
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53





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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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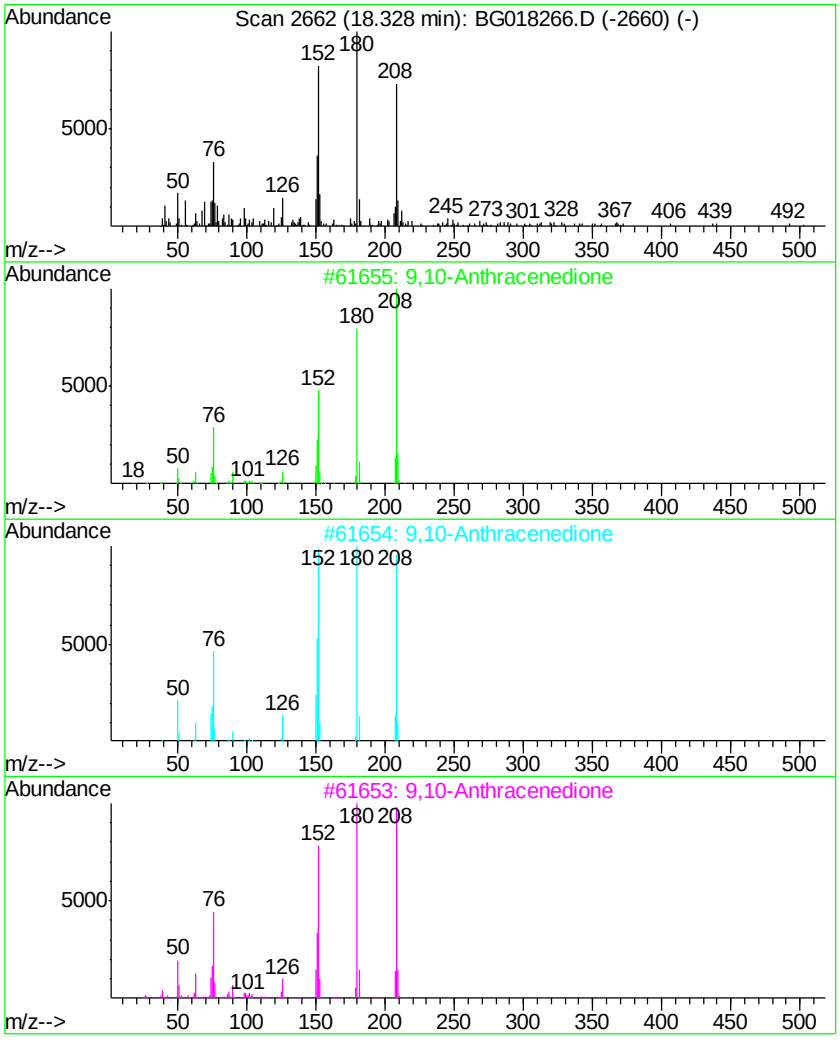
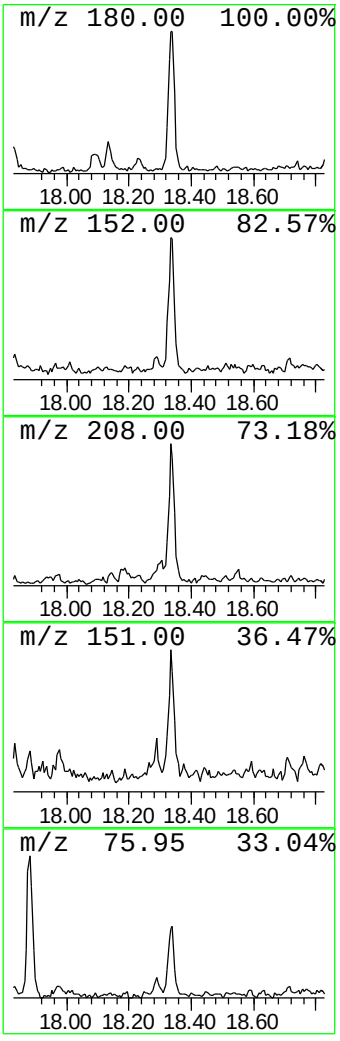
Peak Number 17 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	6.35 ng/ul	200970	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	64





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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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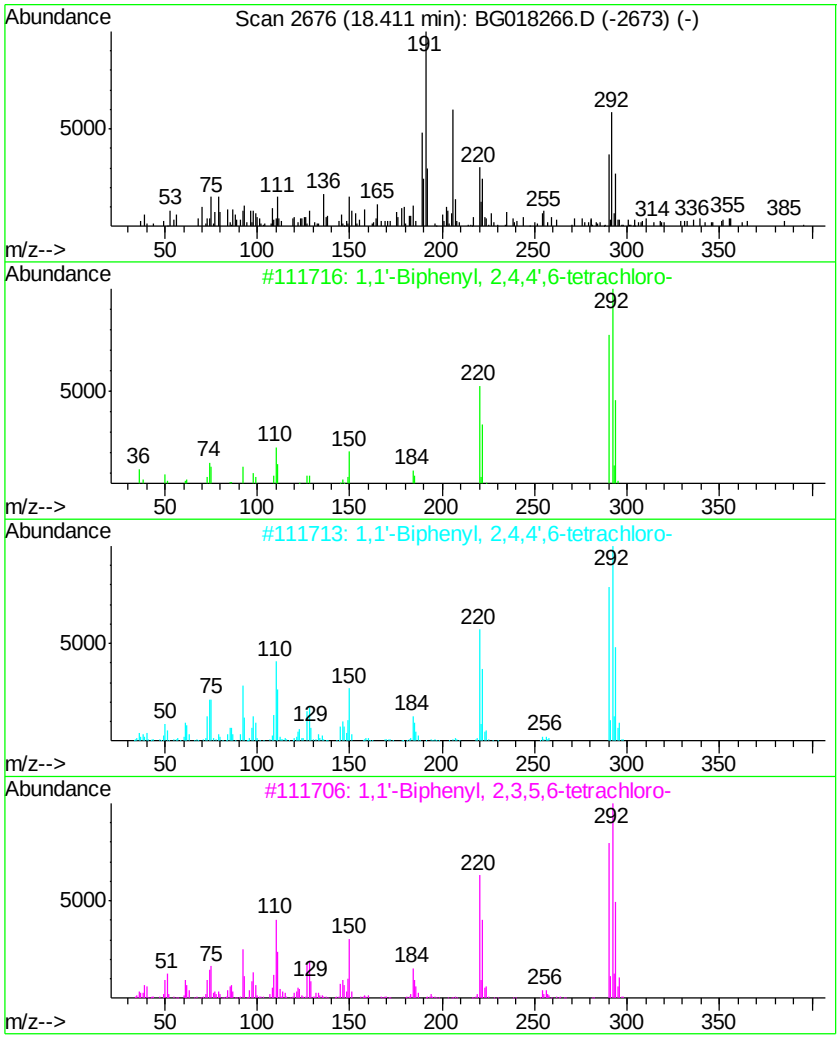
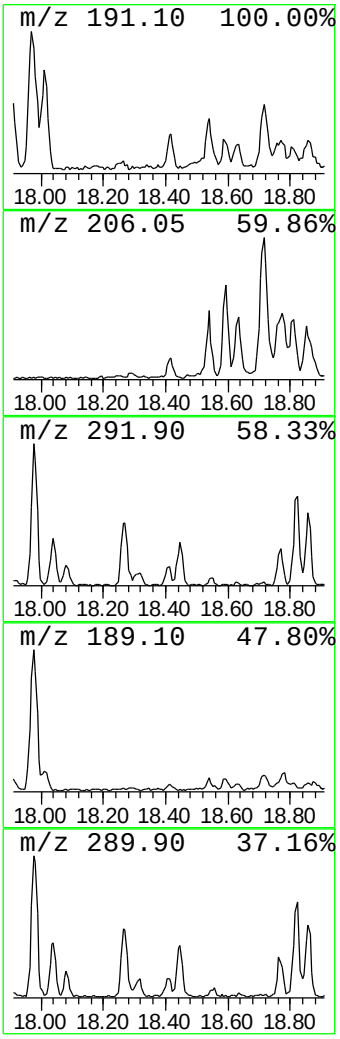
Peak Number 18 1,1'-Biphenyl, 2,4,4',6-tet... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	2.17 ng/ul	68558	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	51
2	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	50
3	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	48
4	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	48
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	47





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Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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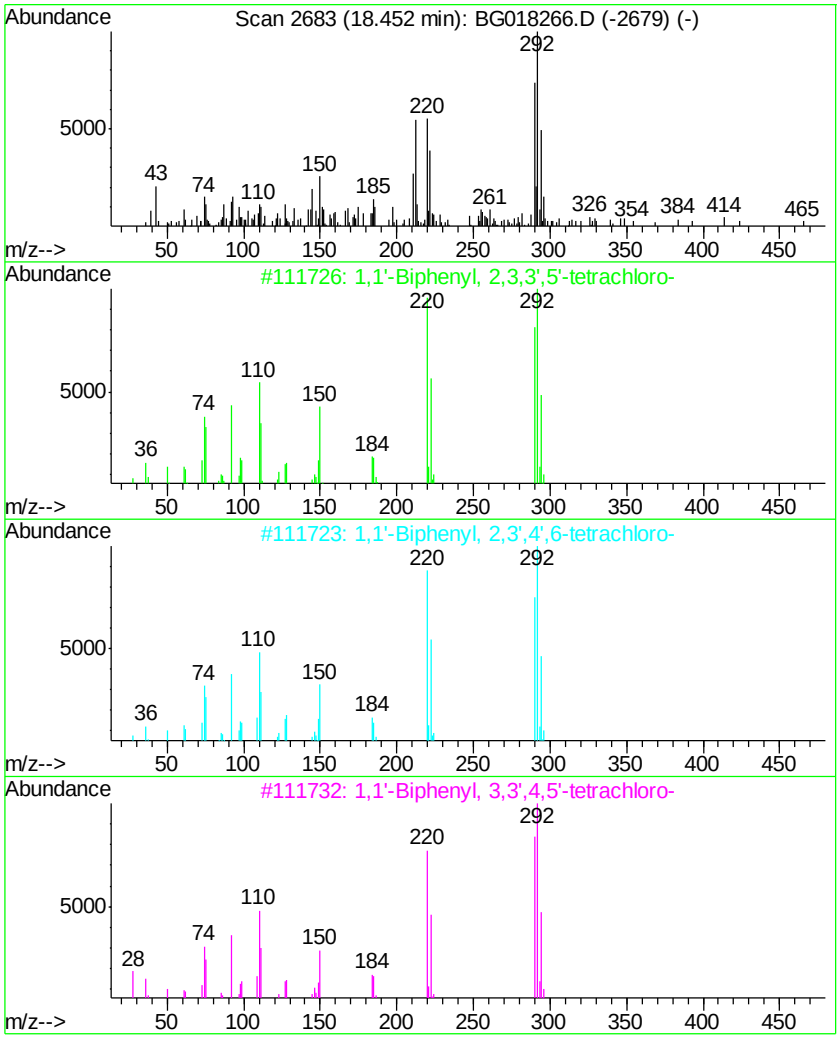
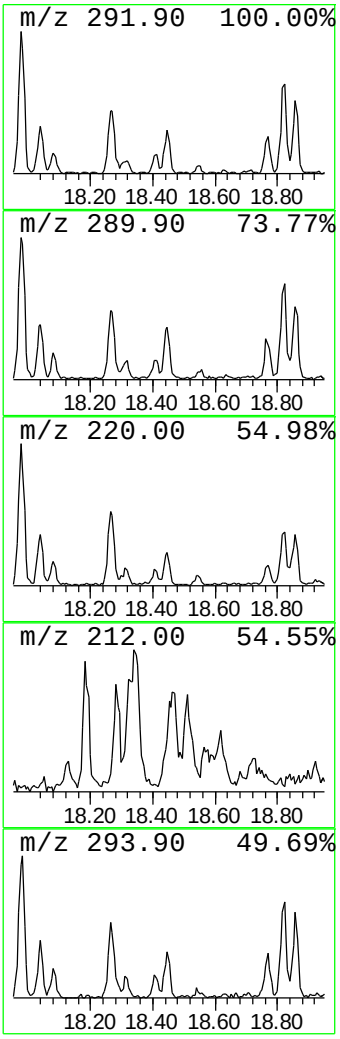
Peak Number 19 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.27 ng/ul	103430	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	94
2	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	94
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	94
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	94
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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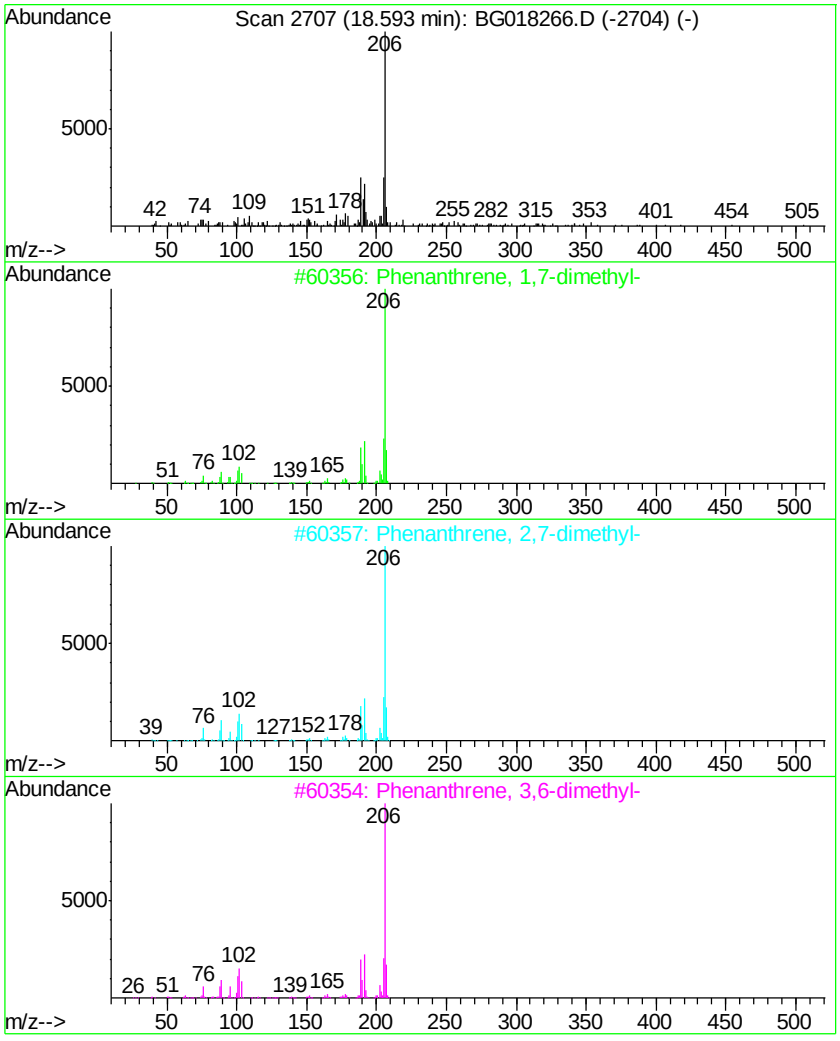
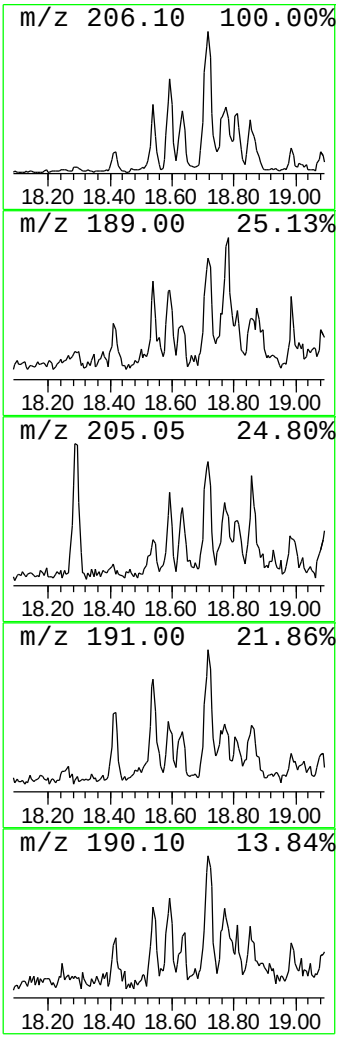
Peak Number 20 Phenanthrene, 1,7-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.57 ng/ul	81246	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72





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Acq On : 4 Aug 2015 23:00
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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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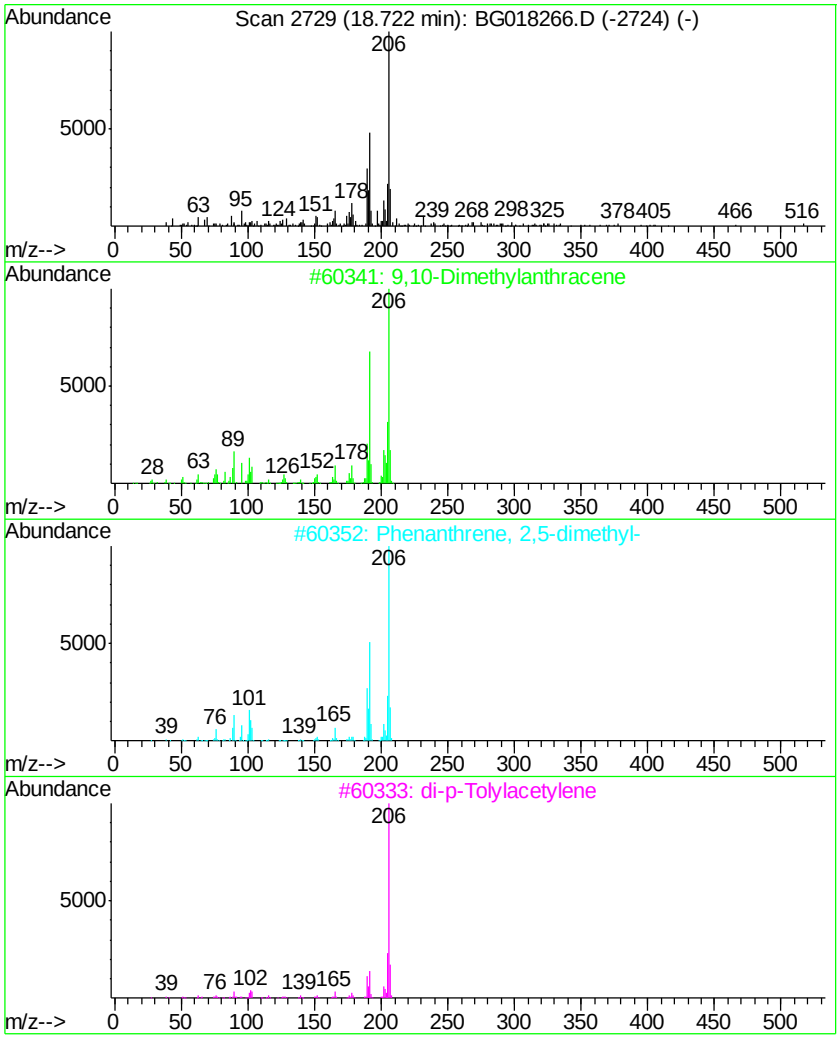
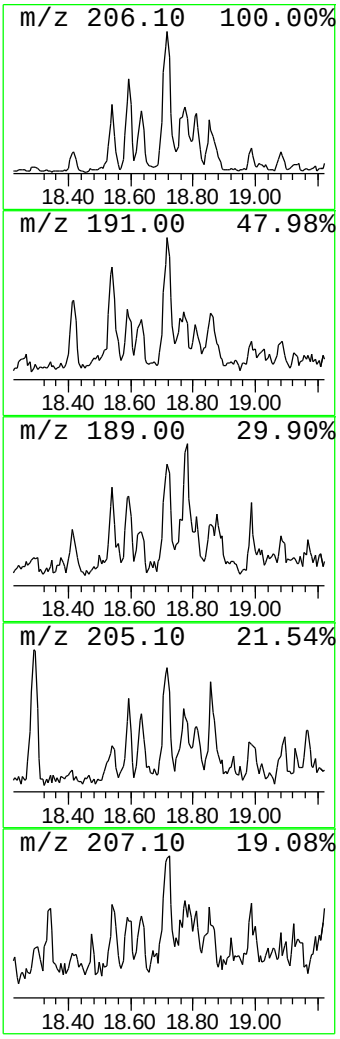
Peak Number 21 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.96 ng/ul	188604	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





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Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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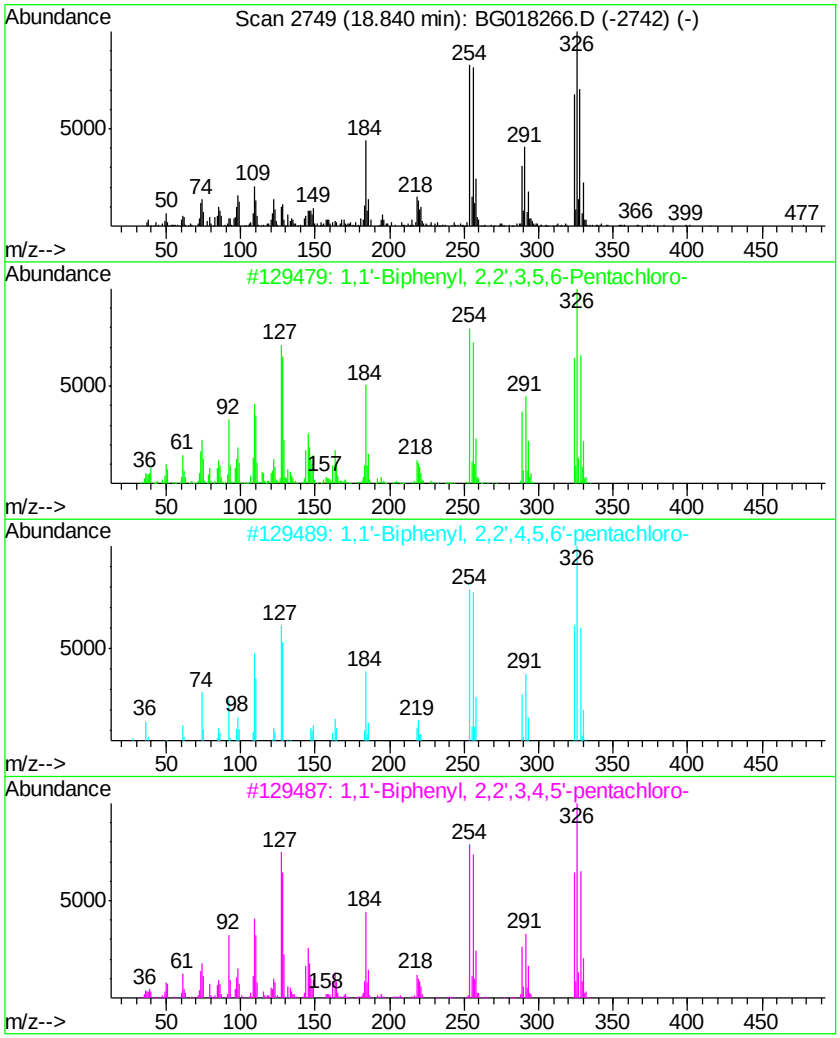
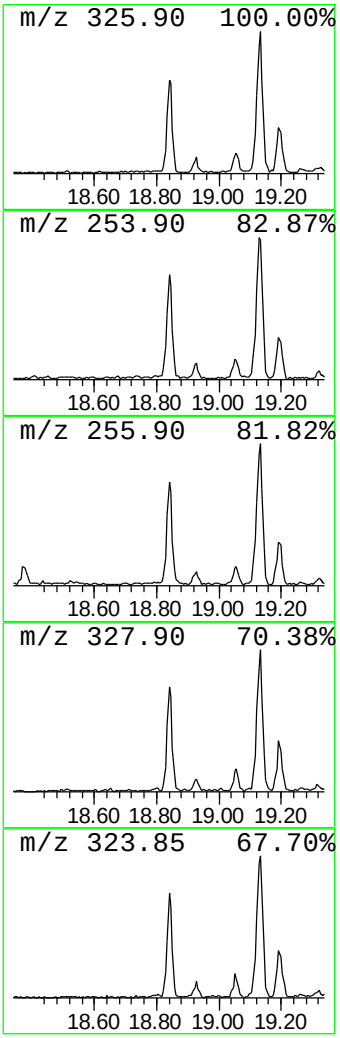
Peak Number 22 1,1'-Biphenyl, 2,2',3,5,6-P... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	31.65 ng/ul	1002020	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	97
2	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	97
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96
4	1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324	C12H5Cl5	055312-69-1	96
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96





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Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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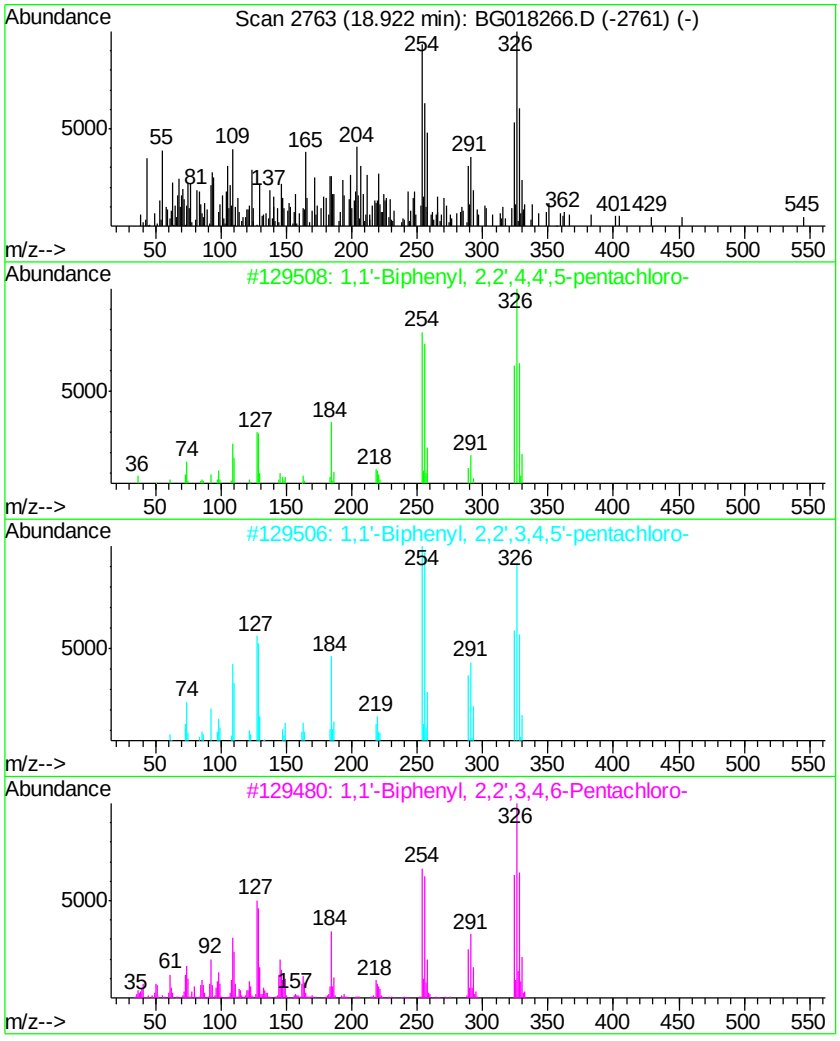
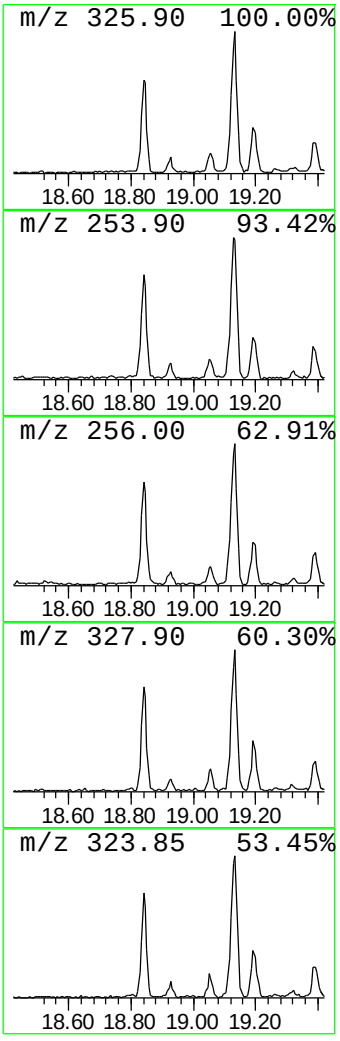
Peak Number 23 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.74 ng/ul	86792	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	94
3	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	91
4	1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	90
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	86





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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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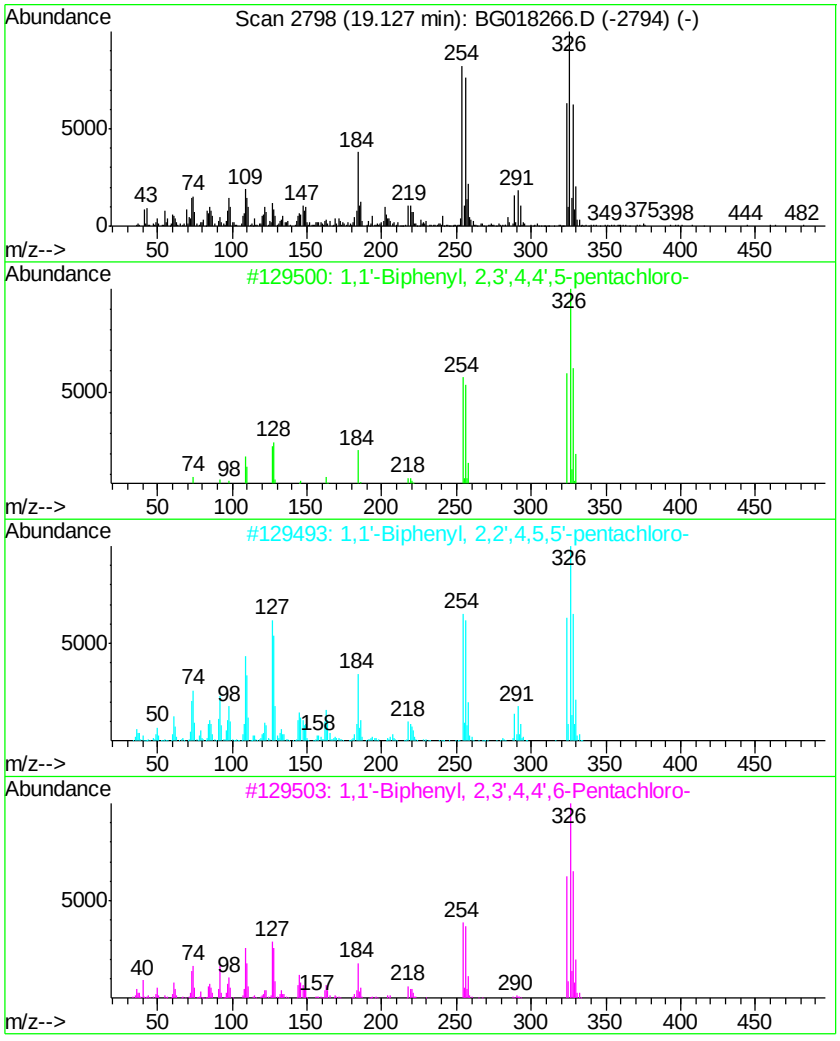
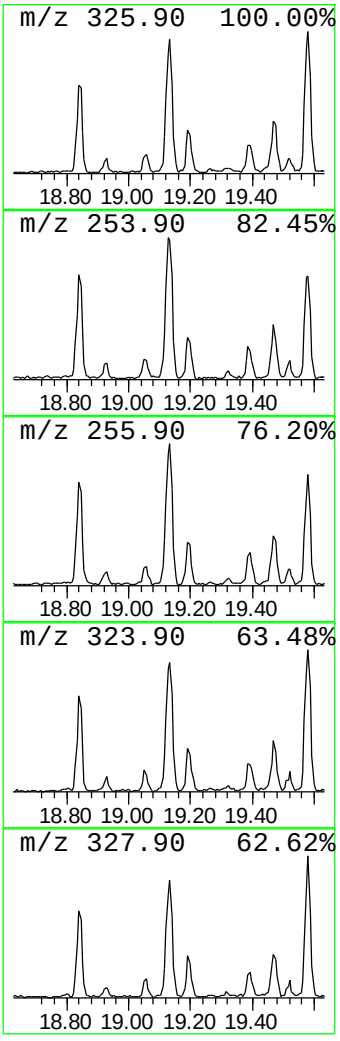
Peak Number 24 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	4.91 ng/ul	805709	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	97
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	96
3	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95
4	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	95
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	94





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Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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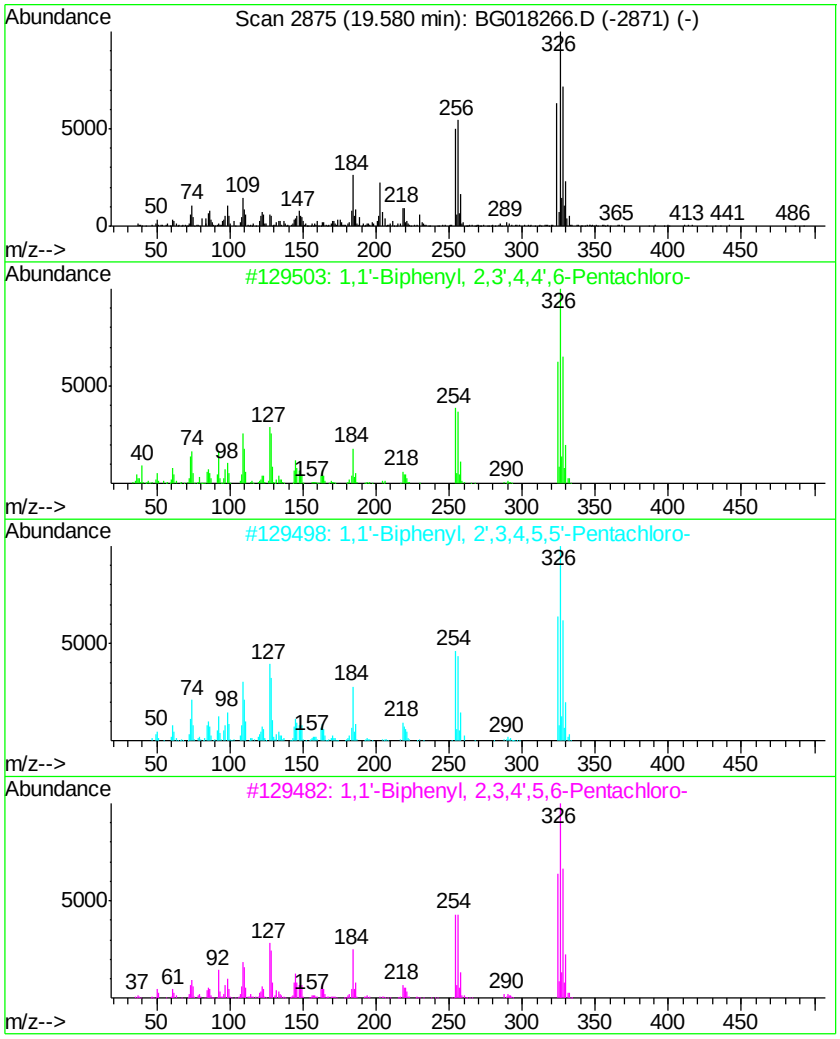
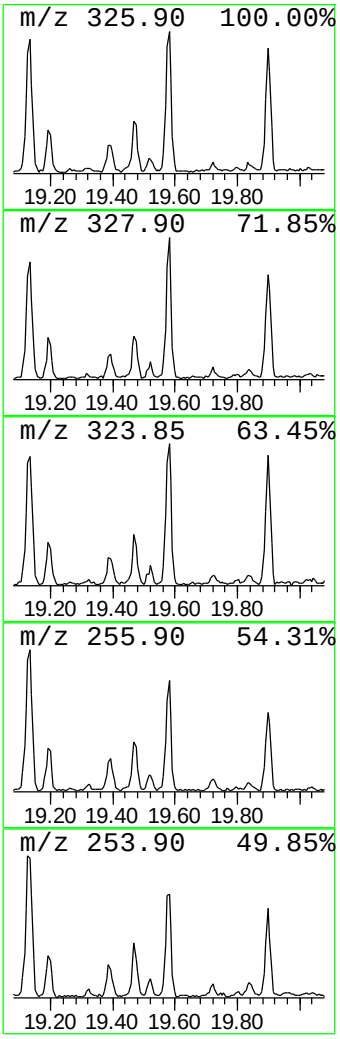
Peak Number 25 1,1'-Biphenyl, 2,3',4,4',6-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	4.64 ng/ul	761673	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	97
2	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
3	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	95





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Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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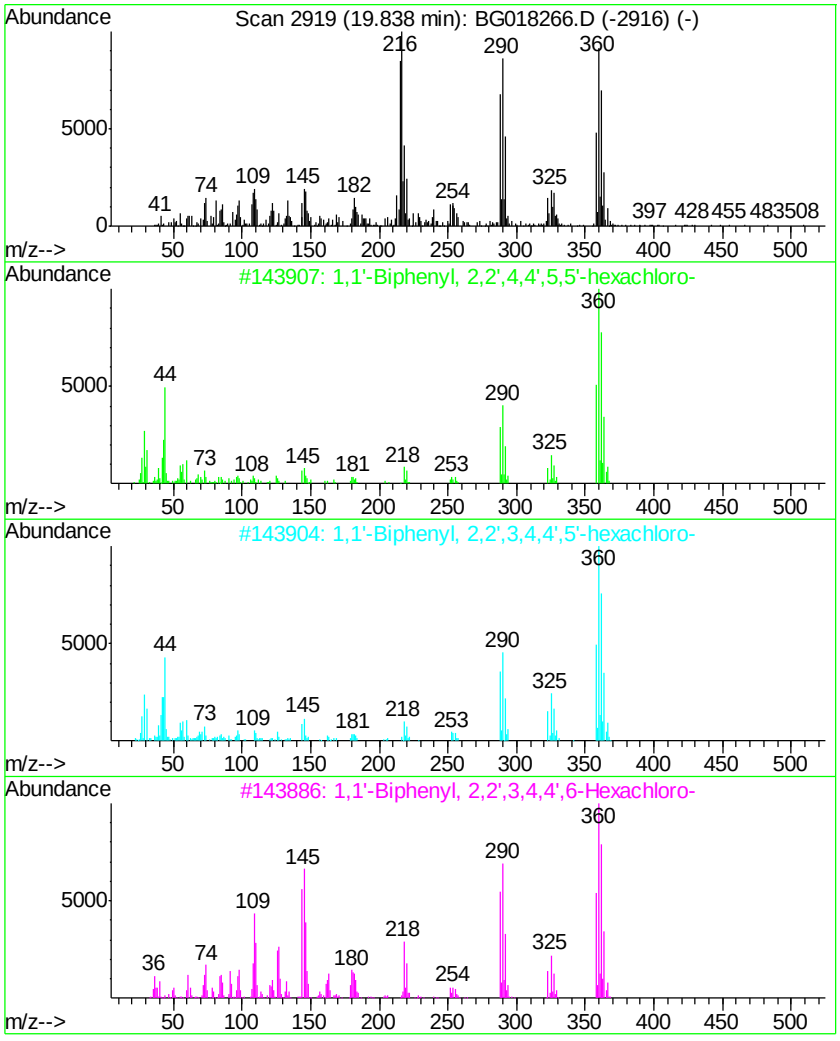
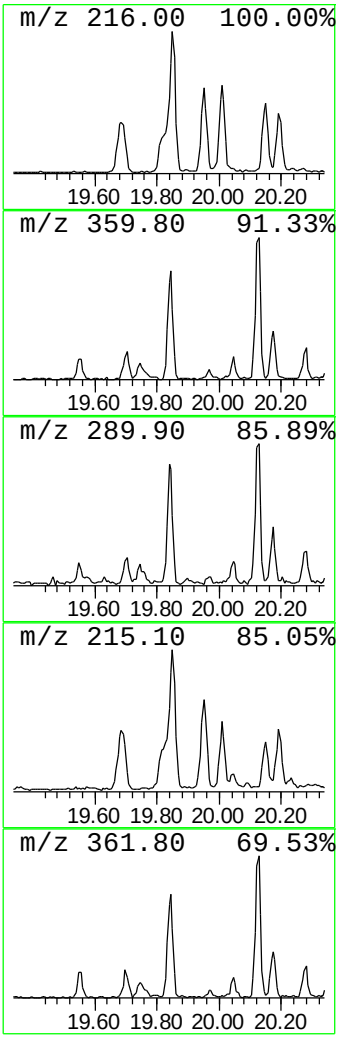
Peak Number 26 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	4.79 ng/ul	787381	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	97
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95
3	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	90
4	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	70
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	70





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Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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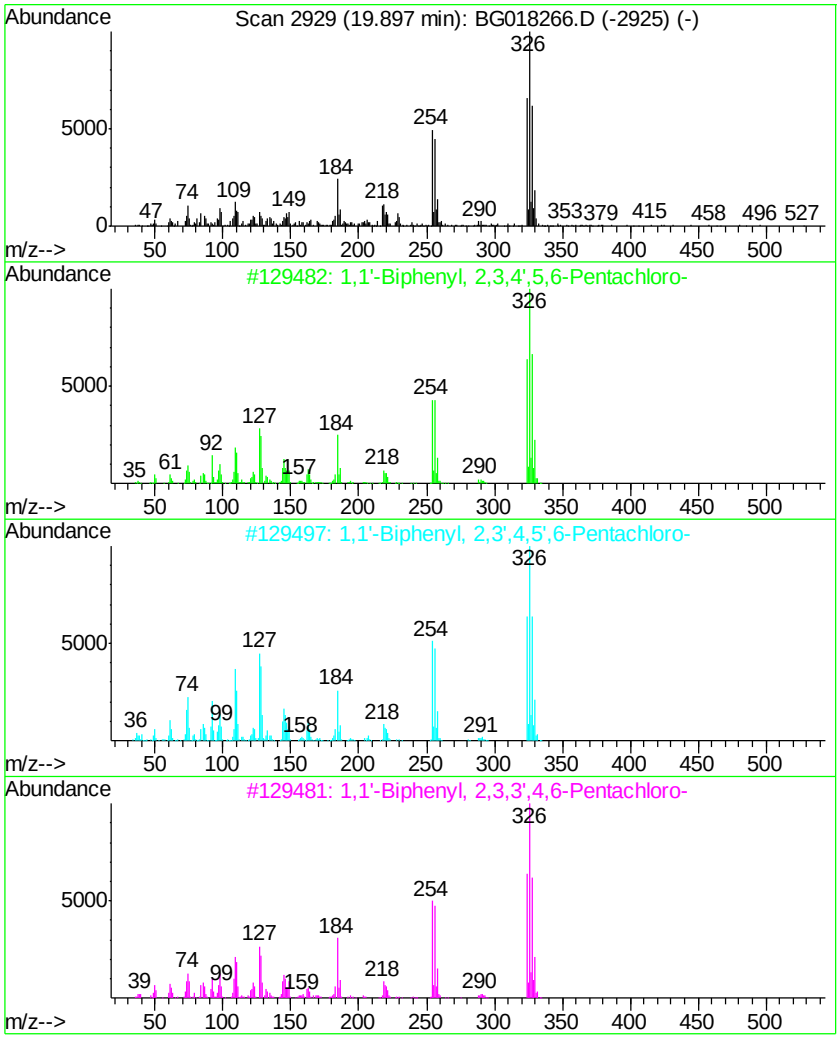
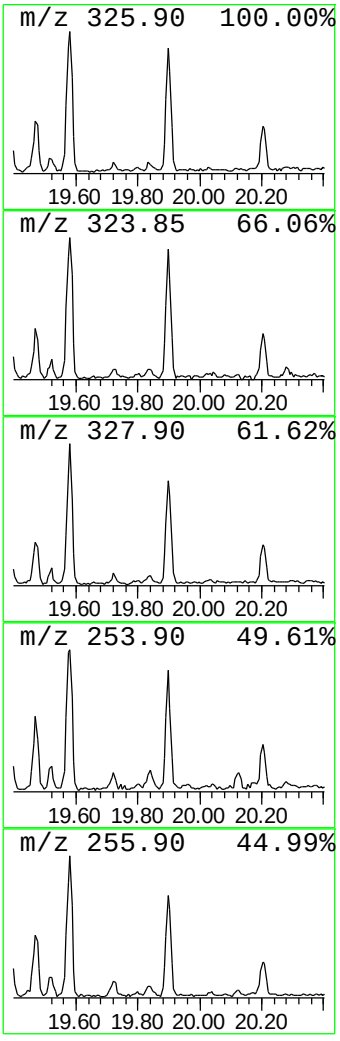
Peak Number 27 1,1'-Biphenyl, 2,3,4',5,6-P... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.43 ng/ul	399547	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	96
2	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
3	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
4	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95





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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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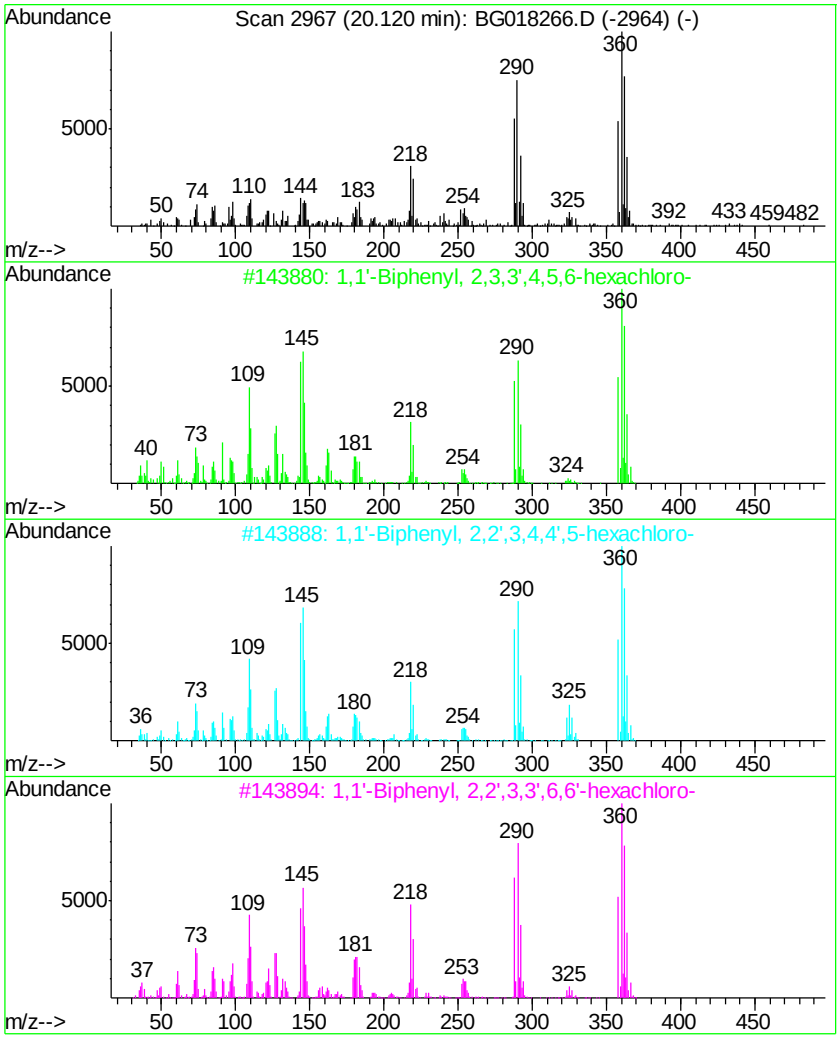
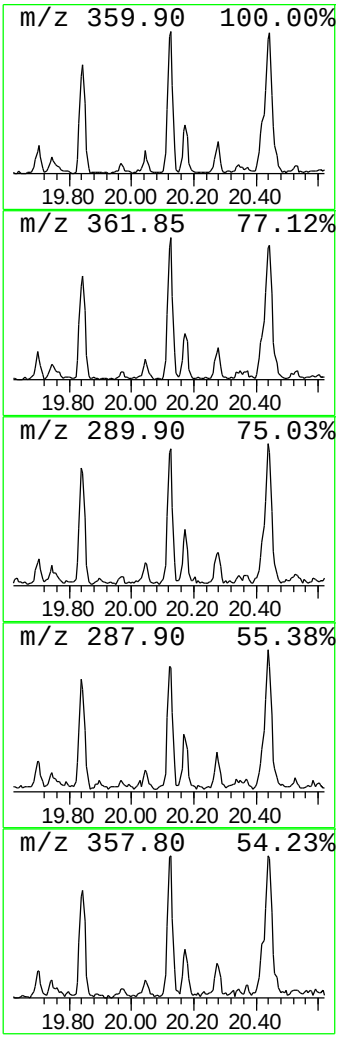
Peak Number 28 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.60 ng/ul	427239	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	96
2	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	96
3	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	96
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	96
5	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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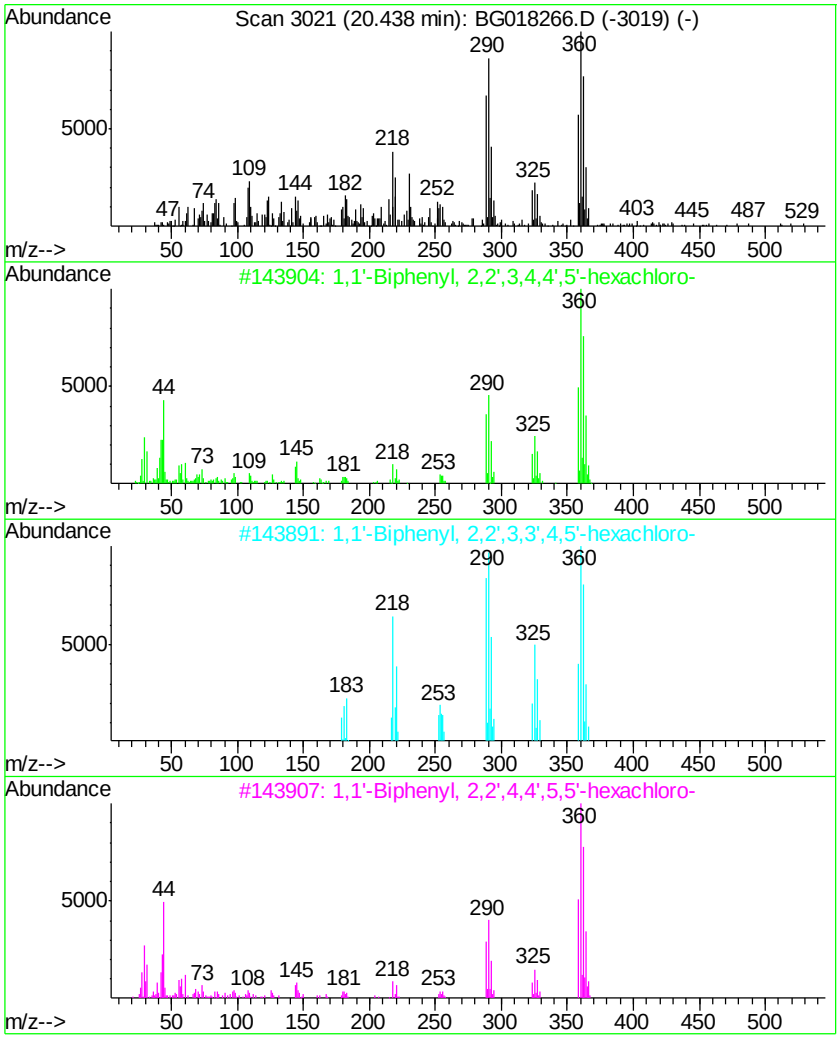
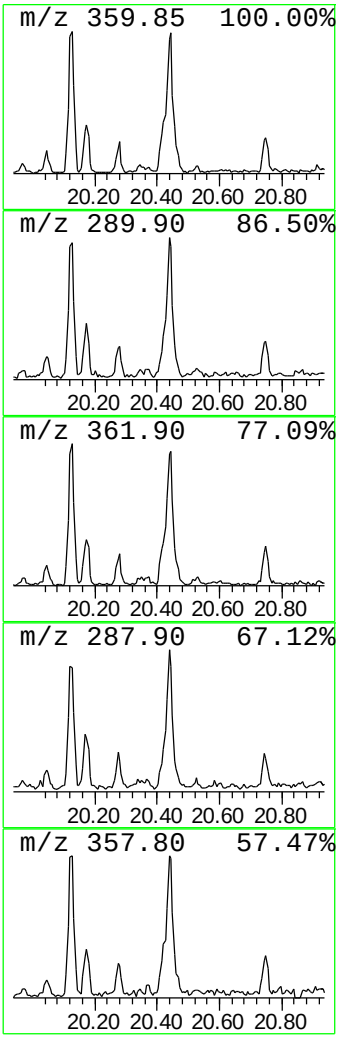
Peak Number 29 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	2.27 ng/ul	372330	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	95
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	94
4	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	94
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
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Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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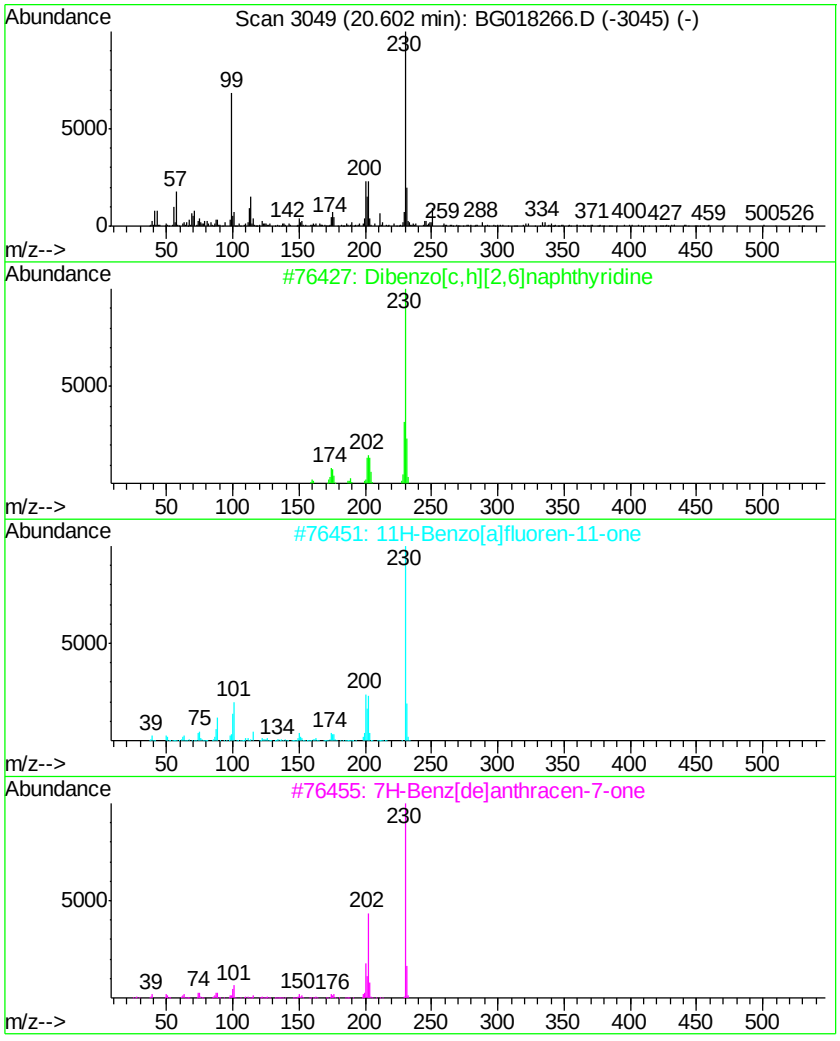
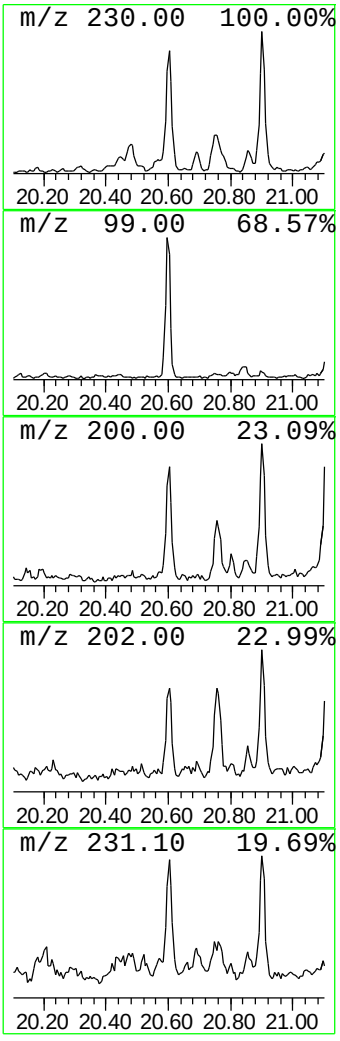
Peak Number 30 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	4.14 ng/ul	679737	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	47
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	45
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	38
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	30
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	25





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Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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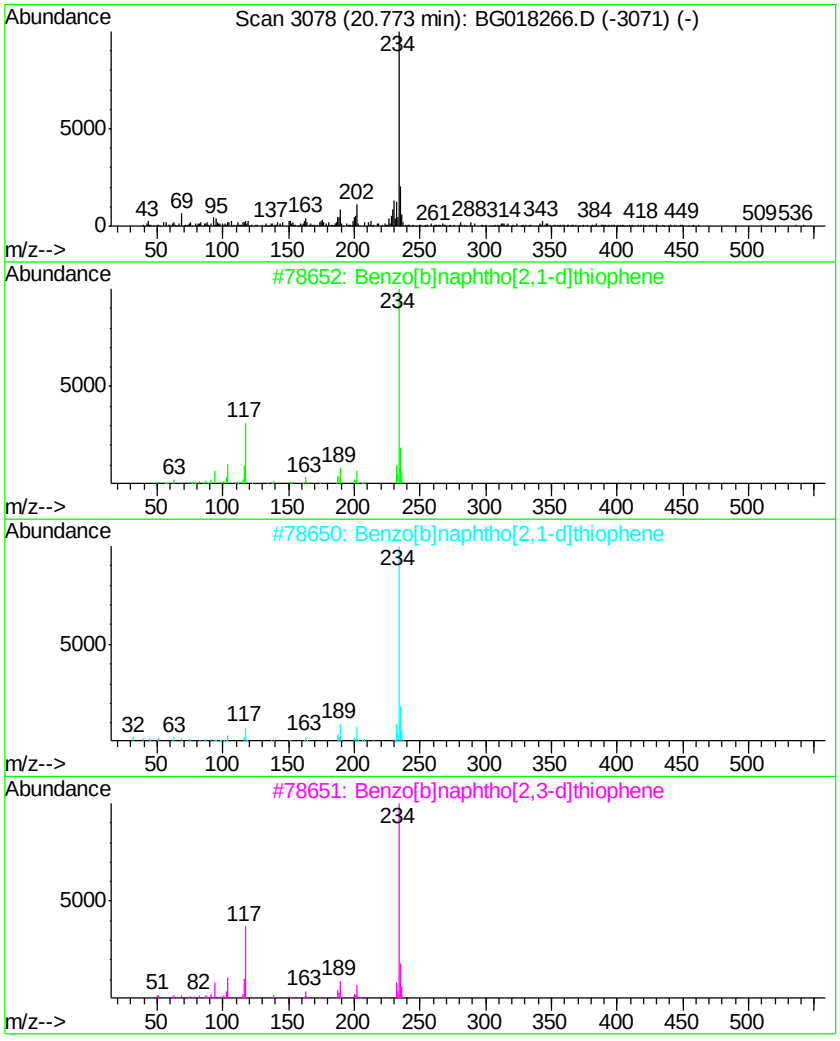
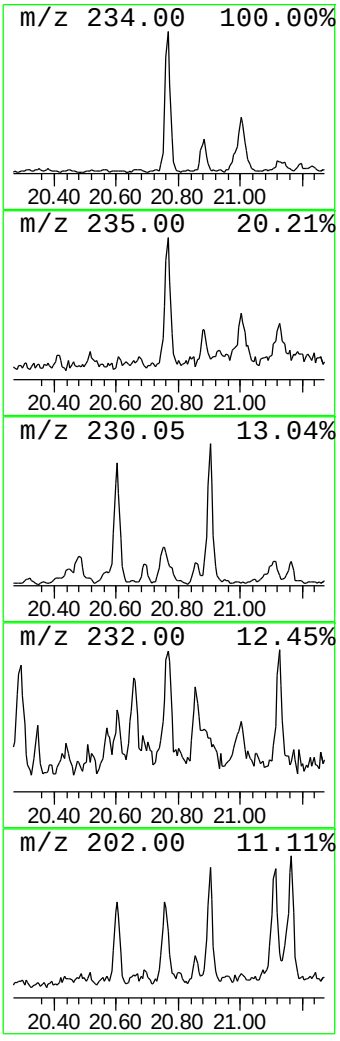
Peak Number 31 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	3.64 ng/ul	597853	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83





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Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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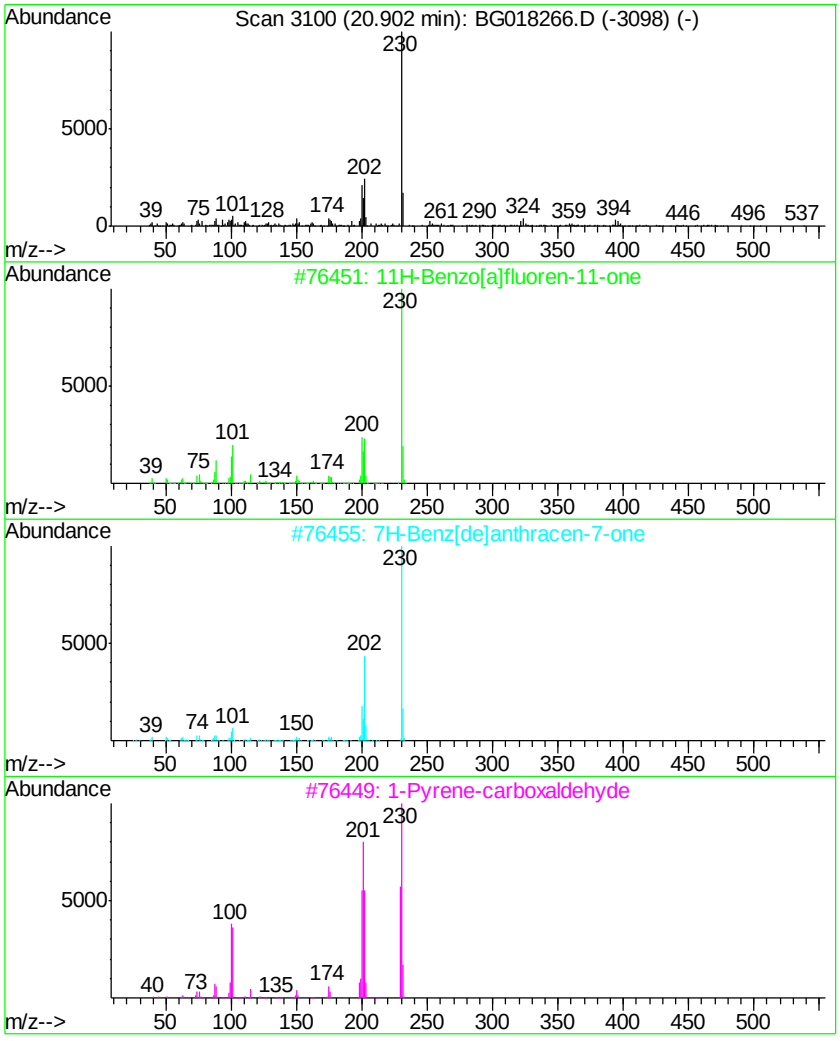
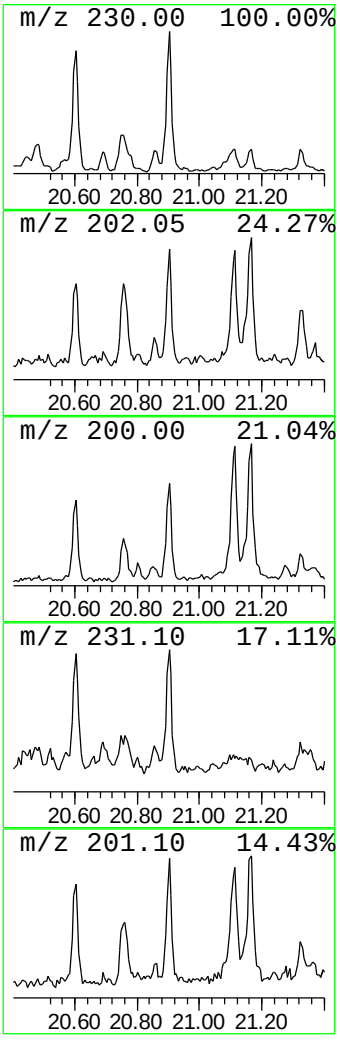
Peak Number 33 11H-Benzo[a]fluoren-11-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.18 ng/ul	358544	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Library Search Compound Report

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Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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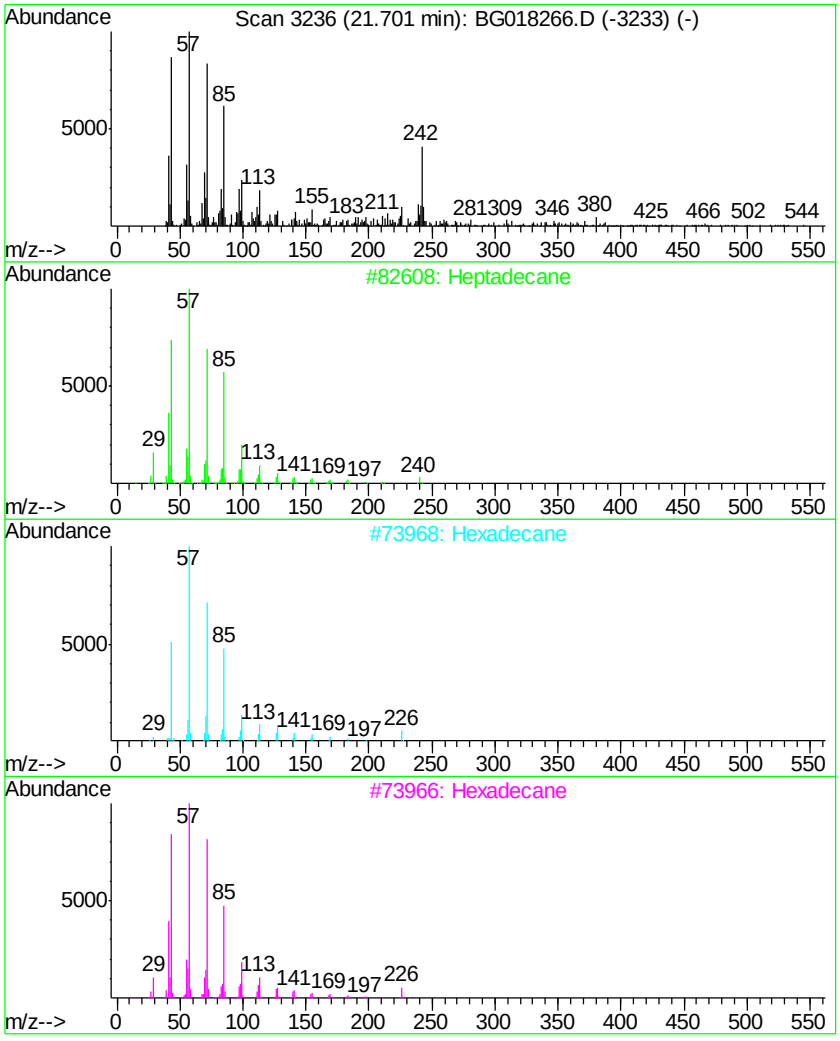
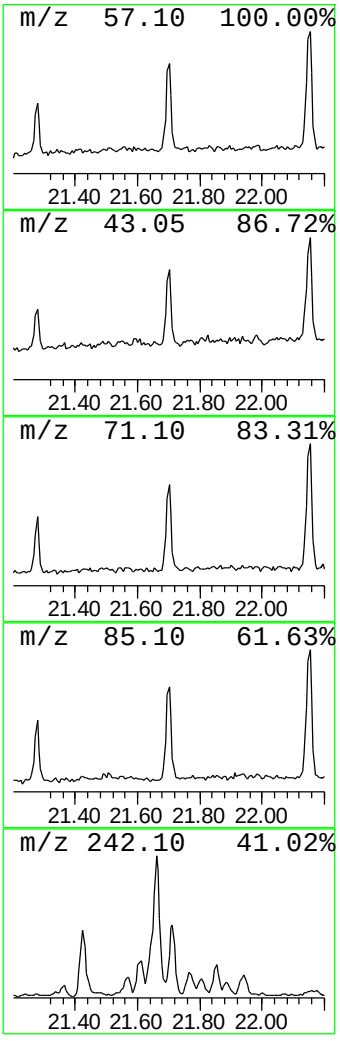
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	3.90 ng/ul	639981	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Hexadecane	226	C16H34	000544-76-3	96
3	Hexadecane	226	C16H34	000544-76-3	96
4	Triacontane, 1-bromo-	500	C30H61Br	004209-22-7	93
5	Heptacosane	380	C27H56	000593-49-7	93





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Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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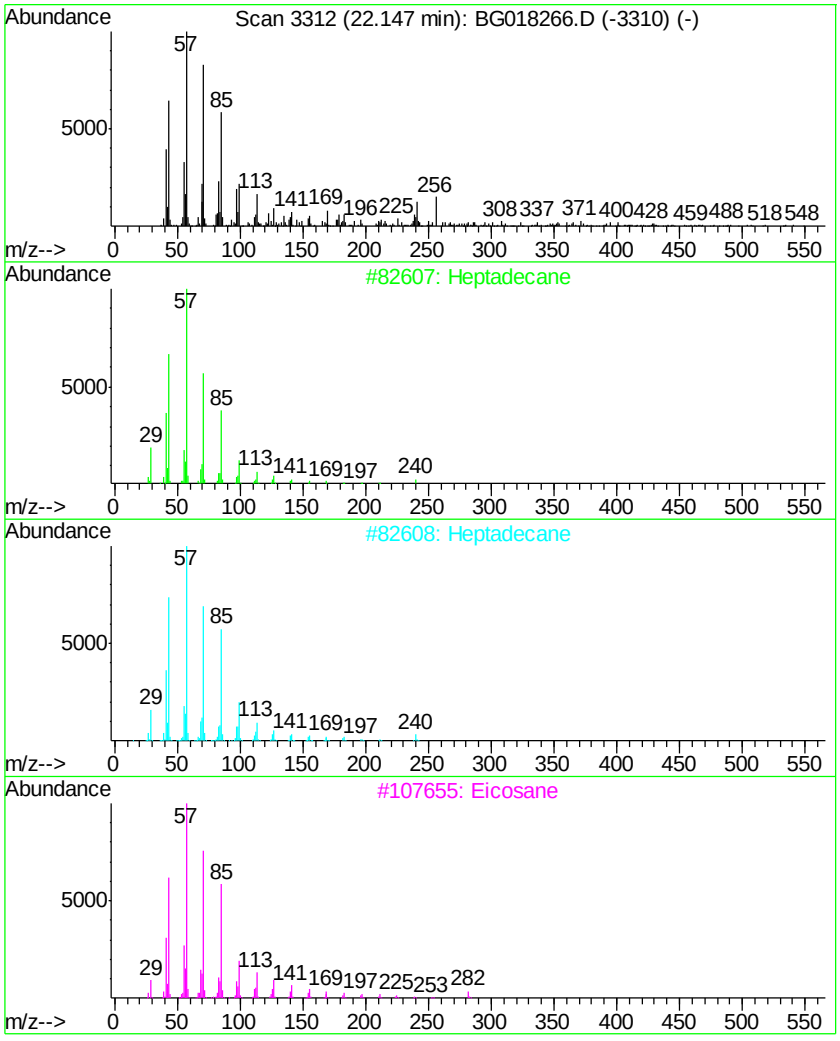
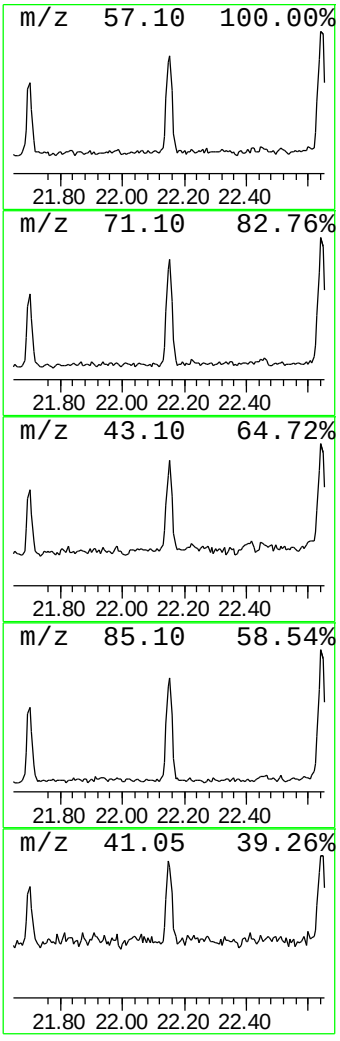
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	4.11 ng/ul	675647	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	89
2	Heptadecane	240	C17H36	000629-78-7	89
3	Eicosane	282	C20H42	000112-95-8	89
4	Heptadecane	240	C17H36	000629-78-7	86
5	Eicosane	282	C20H42	000112-95-8	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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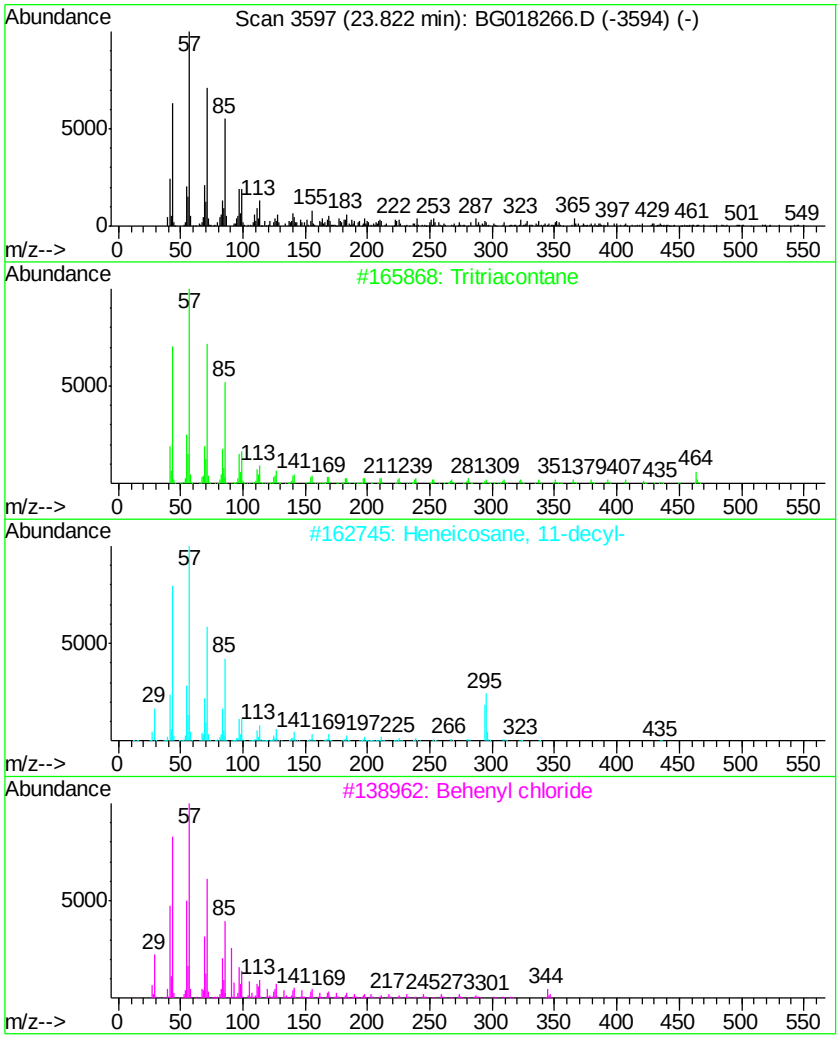
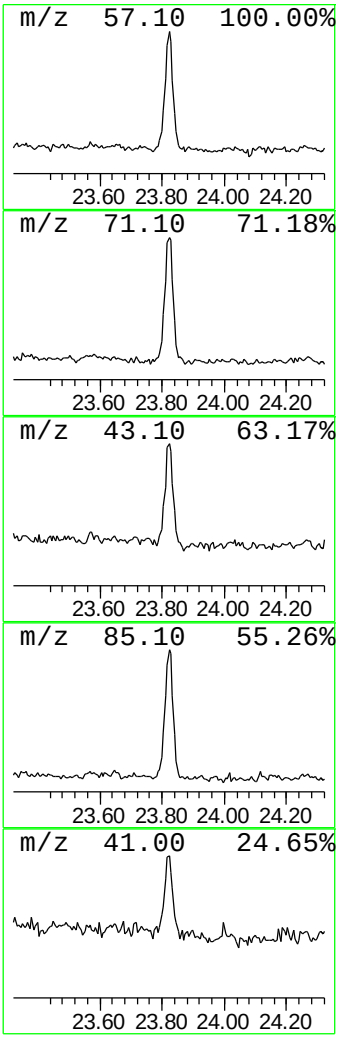
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.82	18.29 ng/ul	1090060	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritriacontane	465	C33H68	000630-05-7	93
2	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	89
3	Behenyl chloride	344	C22H45Cl	042217-03-8	83
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	83
5	Octacosane	394	C28H58	000630-02-4	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methacrylamide	3.45	3.9	ng/ul	69674	1	7.45	355990	20.0
2-Dibenzofuransul...	14.54	3.8	ng/ul	136811	3	14.14	713475	20.0
2-Hydroxyfluorene	15.49	2.1	ng/ul	73478	3	14.14	713475	20.0
2,4,6-Cycloheptat...	15.64	2.8	ng/ul	88219	4	16.90	633090	20.0
(DEL) Alkane: Str...	15.88	3.8	ng/ul	121383	4	16.90	633090	20.0
9H-Fluoren-9-one	16.56	3.1	ng/ul	97957	4	16.90	633090	20.0
Anthracene, 1,2,3...	16.65	5.5	ng/ul	174406	4	16.90	633090	20.0
Dibenzothiophene	16.72	5.1	ng/ul	160395	4	16.90	633090	20.0
1,1'-Biphenyl, 2'...	17.51	12.4	ng/ul	392526	4	16.90	633090	20.0
Phenanthrene, 1-m...	17.78	12.5	ng/ul	394693	4	16.90	633090	20.0
4H-Cyclopenta[def...	17.98	32.5	ng/ul	1030090	4	16.90	633090	20.0
Phenanthrene, 2-m...	18.01	2.2	ng/ul	70806	4	16.90	633090	20.0
1,1'-Biphenyl, 3,...	18.26	6.5	ng/ul	204845	4	16.90	633090	20.0
1,1,4a-Trimethyl-...	18.29	7.7	ng/ul	243166	4	16.90	633090	20.0
9,10-Anthracenedione	18.33	6.3	ng/ul	200970	4	16.90	633090	20.0
1,1'-Biphenyl, 2,...	18.41	2.2	ng/ul	68558	4	16.90	633090	20.0
1,1'-Biphenyl, 2,...	18.45	3.3	ng/ul	103430	4	16.90	633090	20.0
Phenanthrene, 1,7...	18.59	2.6	ng/ul	81246	4	16.90	633090	20.0
9,10-Dimethylanth...	18.72	6.0	ng/ul	188604	4	16.90	633090	20.0
1,1'-Biphenyl, 2,...	18.84	31.6	ng/ul	1002020	4	16.90	633090	20.0
1,1'-Biphenyl, 2,...	18.92	2.7	ng/ul	86792	4	16.90	633090	20.0
1,1'-Biphenyl, 2,...	19.13	4.9	ng/ul	805709	5	21.13	3284710	20.0
1,1'-Biphenyl, 2,...	19.58	4.6	ng/ul	761673	5	21.13	3284710	20.0
1,1'-Biphenyl, 2,...	19.84	4.8	ng/ul	787381	5	21.13	3284710	20.0
1,1'-Biphenyl, 2,...	19.90	2.4	ng/ul	399547	5	21.13	3284710	20.0
1,1'-Biphenyl, 2,...	20.12	2.6	ng/ul	427239	5	21.13	3284710	20.0
1,1'-Biphenyl, 2,...	20.44	2.3	ng/ul	372330	5	21.13	3284710	20.0
unknown-01	20.60	4.1	ng/ul	679737	5	21.13	3284710	20.0
Benzo[b]naphtho[2...	20.77	3.6	ng/ul	597853	5	21.13	3284710	20.0
11H-Benzo[a]fluor...	20.90	2.2	ng/ul	358544	5	21.13	3284710	20.0
(DEL) Alkane: Str...	21.70	3.9	ng/ul	639981	5	21.13	3284710	20.0
(DEL) Alkane: Str...	22.15	4.1	ng/ul	675647	5	21.13	3284710	20.0
(DEL) Alkane: Str...	23.82	18.3	ng/ul	1090060	6	23.32	1192040	20.0