LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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	4.580	315	322	327	rBV5	6855	11798	0.61%	0.045%
2	4.815	356	362	366	rVV3	5825	10965	0.56%	0.042%
3	4.974	383	389	393	rBV2	7943	14592	0.75%	0.056%
4	5.109	406	412	419	rVB4	10140	19906	1.03%	0.076%
5	5.473	467	474	479	rBV4	13813	21385	1.10%	0.082%
6	6.543	653	656	660	rVV3	8229	12009	0.62%	0.046%
7	6.596	660	665	671	rVV8	7180	10665	0.55%	0.041%
8	6.660	671	676	685	rVB2	108771	174756	9.00%	0.671%
9	6.795	692	699	705	rBV	69009	110428	5.69%	0.424%
10	6.995	726	733	742	rVV	113756	175653	9.05%	0.674%
11	7.101	748	751	757	rVB3	16727	25172	1.30%	0.097%
12	7.454	802	811	819	rBV	186000	291310	15.00%	1.118%
13	8.094	913	920	926	rVB4	11784	20121	1.04%	0.077%
14	8.188	931	936	944	rBV2	107135	172712	8.89%	0.663%
15	8.276	946	951	955	rVB4	8625	14692	0.76%	0.056%
16	8.552	994	998	1002	rVV4	7648	12734	0.66%	0.049%
17	8.611	1002	1008	1016	rVV	108720	175481	9.04%	0.673%
18	8.681	1016	1020	1025	rVV5	8731	12215	0.63%	0.047%
19	9.146	1092	1099	1103	rBV3	5983	12080	0.62%	0.046%
20	9.328	1125	1130	1140	rBV	104158	172770	8.90%	0.663%
21	9.880	1218	1224	1231	rBV	152949	248702	12.81%	0.954%
22	10.239	1279	1285	1290	rVV	250938	424642	21.87%	1.629%
23	10.286	1290	1293	1300	rVV	29129	45449	2.34%	0.174%
24	10.385	1306	1310	1318	rVB2	23405	45600	2.35%	0.175%
25	11.079	1422	1428	1431	rBV7	5962	10356	0.53%	0.040%
26	11.161	1438	1442	1446	rBV3	7829	13043	0.67%	0.050%
27	11.278	1457	1462	1467	rBV6	6613	14065	0.72%	0.054%
28	11.684	1526	1531	1536	rVV5	6734	11949	0.62%	0.046%
29	11.919	1565	1571	1577	rVB	31514	51678	2.66%	0.198%
30	12.142	1603	1609	1613	rBV2	19915	34030	1.75%	0.131%
31	12.659	1692	1697	1702	rVV5	11879	17296	0.89%	0.066%
32	12.724	1704	1708	1713	rBV7	7915	13107	0.67%	0.050%
33	12.959	1740	1748	1752	rVB5	26288	44502	2.29%	0.171%
34	13.288	1794	1804	1806	rBV6	20635	38580	1.99%	0.148%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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	13.452	1826	1832	1837	rBV4	26220	54842	2.82%	0.210%
36	13.505	1837	1841	1844	rBV4	14151	22103	1.14%	0.085%
37	13.552	1844	1849	1853	rBV	249445	340581	17.54%	1.307%
38	13.599	1853	1857	1861	rBV	134186	162581	8.37%	0.624%
39	13.823	1889	1895	1900	rBV	251057	385796	19.87%	1.480%
40	13.958	1915	1918	1924	rVB8	12861	20639	1.06%	0.079%
41	14.052	1930	1934	1937	rVB2	29361	37398	1.93%	0.143%
42	14.134	1942	1948	1954	rVV2	334471	519704	26.76%	1.994%
43	14.199	1954	1959	1964	rBV2	87734	119841	6.17%	0.460%
44	14.392	1988	1992	1998	rBV	64789	100965	5.20%	0.387%
45	14.539	2013	2017	2027	rVB2	59931	111328	5.73%	0.427%
46	14.616	2027	2030	2035	rVB6	23301	29929	1.54%	0.115%
47	14.674	2036	2040	2045	rVB6	19962	31686	1.63%	0.122%
48	14.768	2051	2056	2058	rBV6	18617	30515	1.57%	0.117%
49	14.927	2078	2083	2087	rBV8	29127	53662	2.76%	0.206%
50	15.009	2093	2097	2101	rBV	43985	50846	2.62%	0.195%
51	15.139	2114	2119	2124	rVB	293489	403766	20.79%	1.549%
52	15.192	2124	2128	2133	rBV	100451	134179	6.91%	0.515%
53	15.286	2141	2144	2147	rBV2	52271	71517	3.68%	0.274%
54	15.421	2162	2167	2174	rVB5	69170	134519	6.93%	0.516%
55	15.491	2176	2179	2181	rBV2	29946	32938	1.70%	0.126%
56	15.562	2189	2191	2193	rBV3	15830	15066	0.78%	0.058%
57	15.873	2240	2244	2246	rBV3	79883	115990	5.97%	0.445%
58	16.549	2356	2359	2365	rVB3	41658	56524	2.91%	0.217%
59	16.672	2375	2380	2383	rVB2	243814	328467	16.91%	1.260%
60	16.719	2384	2388	2393	rVB2	108570	160358	8.26%	0.615%
61	16.778	2394	2398	2401	rVB2	78638	99805	5.14%	0.383%
62	16.895	2413	2418	2421	rBV2	322755	448964	23.12%	1.723%
63	16.942	2421	2426	2431	rVV	1103702	1473375	75.87%	5.653%
64	16.995	2431	2435	2438	rVV	259823	355043	18.28%	1.362%
65	17.031	2438	2441	2445	rVB	167764	212040	10.92%	0.814%
66	17.307	2485	2488	2494	rBV	99773	153397	7.90%	0.589%
67	17.412	2503	2506	2510	rVB3	52117	61091	3.15%	0.234%
68	17.483	2514	2518	2520	rBV	75465	119771	6.17%	0.460%
69	17.624	2538	2542	2547	rVB5	59611	113351	5.84%	0.435%
70	17.777	2564	2568	2571	rBV	129525	174496	8.99%	0.670%
71	17.824	2572	2576	2581	rVB	286419	411471	21.19%	1.579%

LSC Area Percent Report

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Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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	17.877	2582	2585	2588	rBV	82071	102064	5.26%	0.392%
73	17.971	2596	2601	2605	rBV3	390120	601598	30.98%	2.308%
74	18.006	2605	2607	2610	rVB	78076	83424	4.30%	0.320%
75	18.259	2647	2650	2652	rBV3	94567	118591	6.11%	0.455%
76	18.711	2723	2727	2730	rBV	112053	155139	7.99%	0.595%
77	18.834	2740	2748	2757	rVB5	231117	569040	29.30%	2.183%
78	18.981	2767	2773	2777	rBV	1480673	1941894	100.00%	7.451%
79	19.046	2781	2784	2787	rBV4	72357	88764	4.57%	0.341%
80	19.122	2792	2797	2802	rVB	342749	485509	25.00%	1.863%
81	19.187	2805	2808	2811	rVV3	104640	115575	5.95%	0.443%
82	19.316	2825	2830	2831	rBV2	414679	557792	28.72%	2.140%
83	19.345	2831	2835	2840	rVB	1081906	1382789	71.21%	5.306%
84	19.463	2852	2855	2859	rVB4	108838	125152	6.44%	0.480%
85	19.575	2870	2874	2881	rVB3	334677	471786	24.30%	1.810%
86	19.833	2914	2918	2923	rVB2	522197	747622	38.50%	2.869%
87	19.892	2924	2928	2932	rBV	195958	258045	13.29%	0.990%
88	19.945	2934	2937	2941	rVV	103835	132734	6.84%	0.509%
89	20.115	2963	2966	2972	rBV2	499031	619074	31.88%	2.375%
90	20.168	2972	2975	2977	rBV3	109175	129591	6.67%	0.497%
91	20.432	3014	3020	3031	rVB3	383361	719318	37.04%	2.760%
92	20.579	3042	3045	3053	rVB2	210354	356980	18.38%	1.370%
93	20.744	3070	3073	3074	rBV3	119502	143204	7.37%	0.549%
94	20.844	3086	3090	3094	rBV2	241746	350095	18.03%	1.343%
95	21.038	3119	3123	3126	rBV	394044	445444	22.94%	1.709%
96	21.102	3129	3134	3138	rVV2	785553	1506554	77.58%	5.781%
97	21.143	3138	3141	3148	rVB	983291	1517557	78.15%	5.823%
98	22.647	3392	3397	3401	rBV	660479	1284681	66.16%	4.929%
99	23.112	3472	3476	3480	rBV	329648	485083	24.98%	1.861%
100	23.206	3487	3492	3500	rVB	530665	933615	48.08%	3.582%

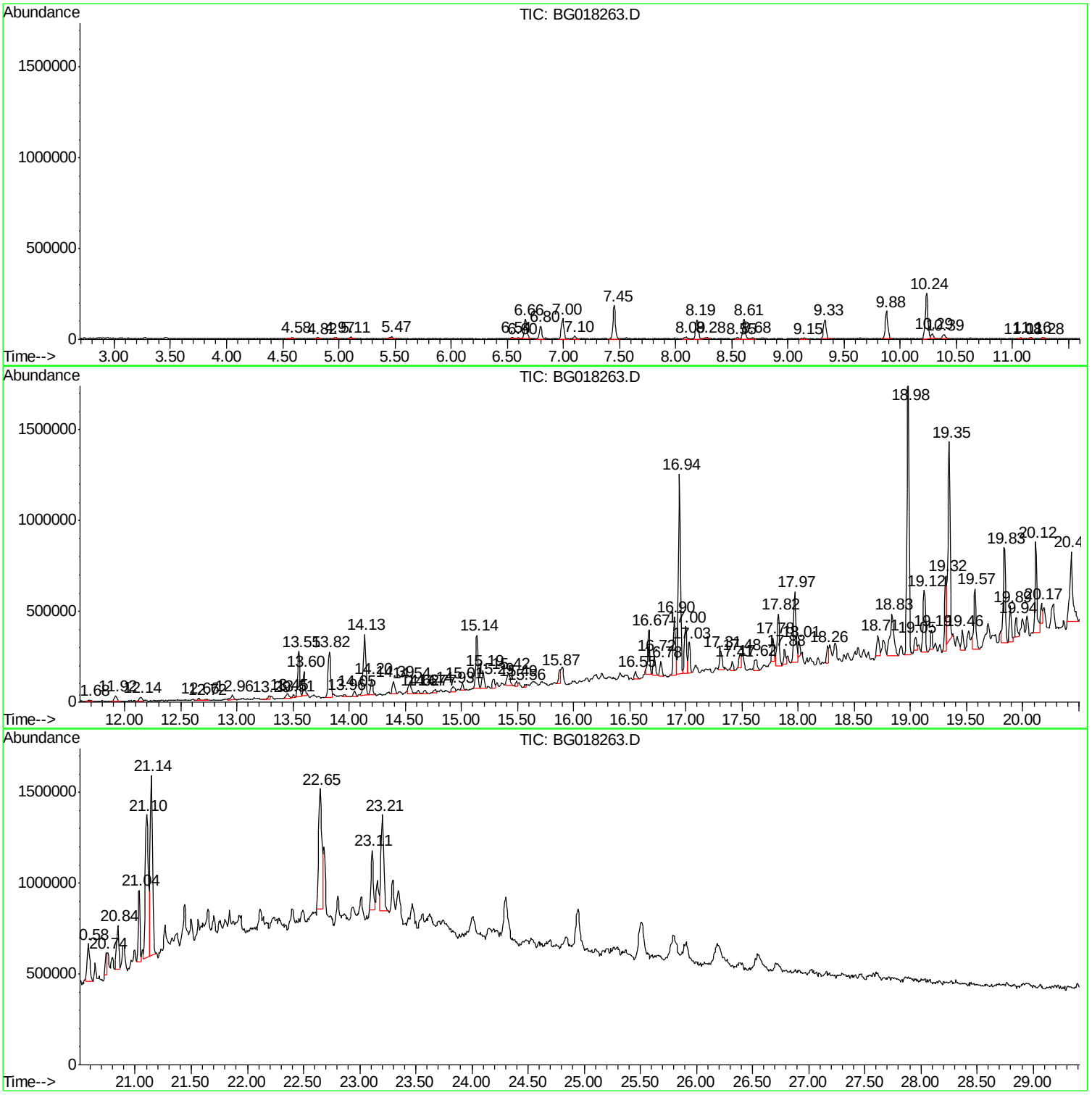
Sum of corrected areas: 26061701

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F5

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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Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
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Instrument : BNA_G
ClientSampleId : C02F5

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

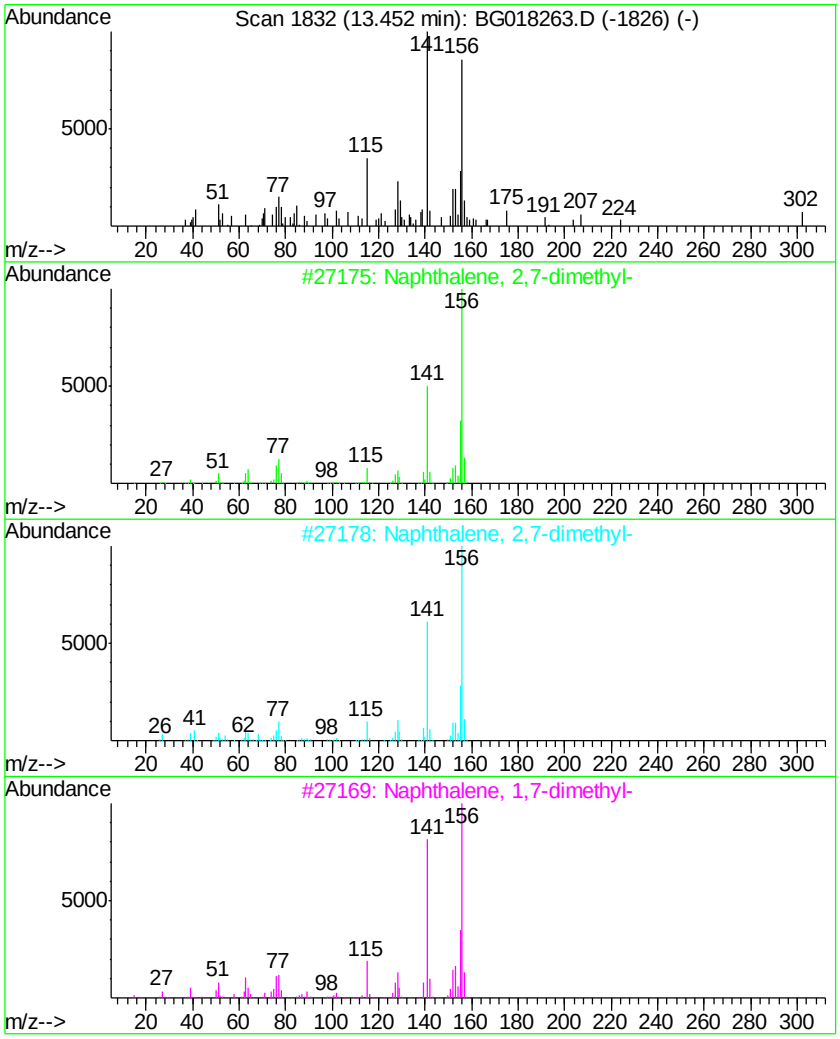
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

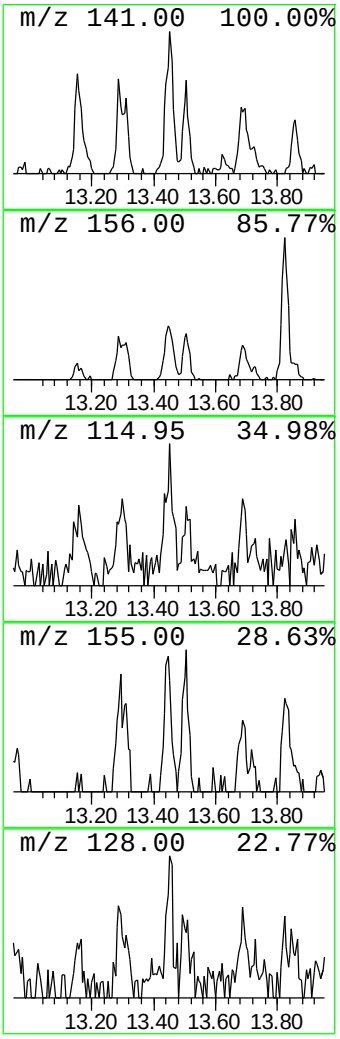
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.11 ng/ul	54842	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	90
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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

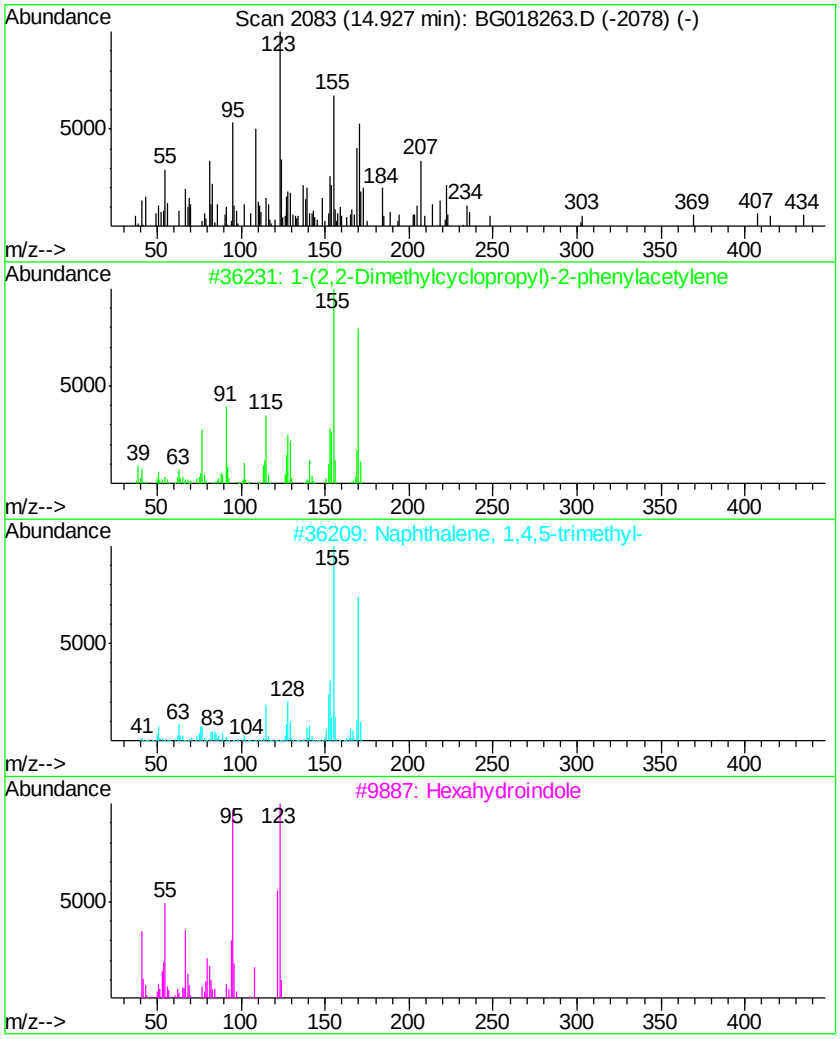
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

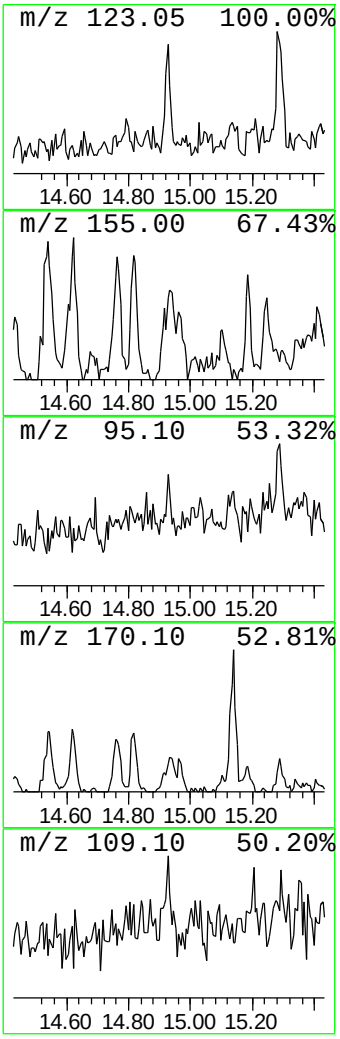
****

Peak Number 2 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	2.07 ng/ul	53662	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	44
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	25
3	Hexahydroindole	123	C8H13N	018159-32-5	22
4	1-Butanone, 1-(4-fluorophenyl)-	166	C10H11FO	000582-83-2	22
5	2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	22





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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

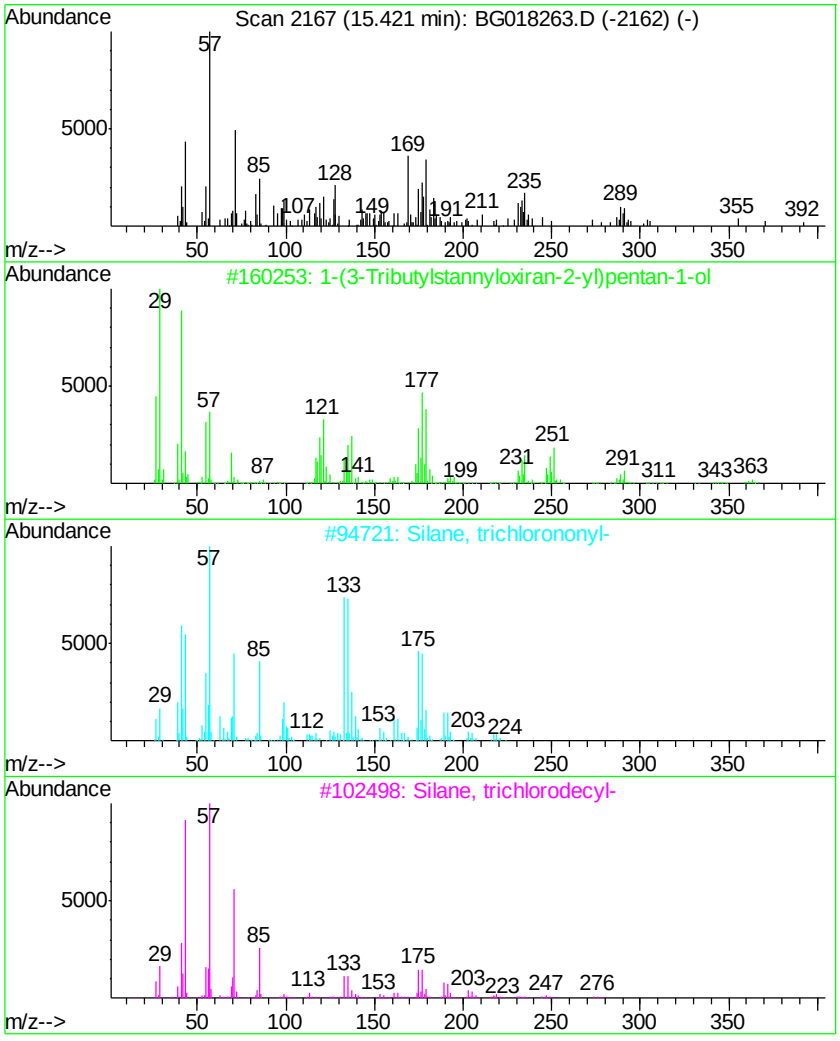
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

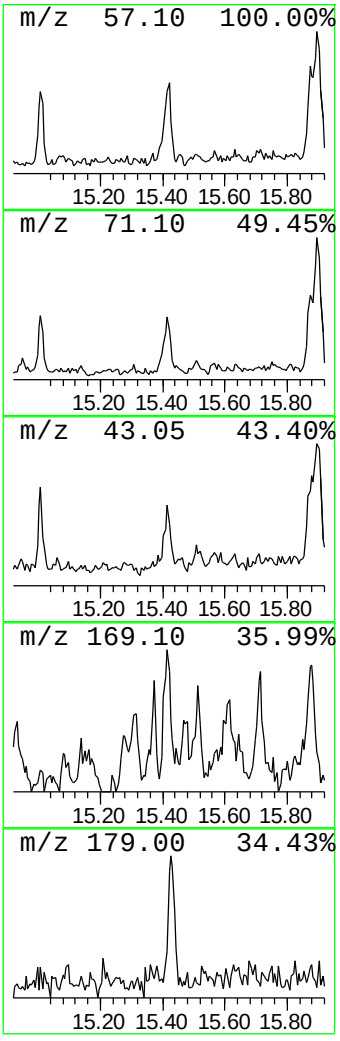
****

Peak Number 3 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	5.18 ng/ul	134519	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Tributylstannyloxiran-2-yl)...	420	C19H40O2Sn	1000191-60-1	12
2	Silane, trichlorononyl-	260	C9H19Cl3Si	005283-67-0	10
3	Silane, trichlorodecyl-	274	C10H21Cl3Si	013829-21-5	10
4	Tetrabutoxymethane	304	C17H36O4	025335-30-2	9
5	Germanium tetrachloride	214	Cl4Ge	010038-98-9	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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

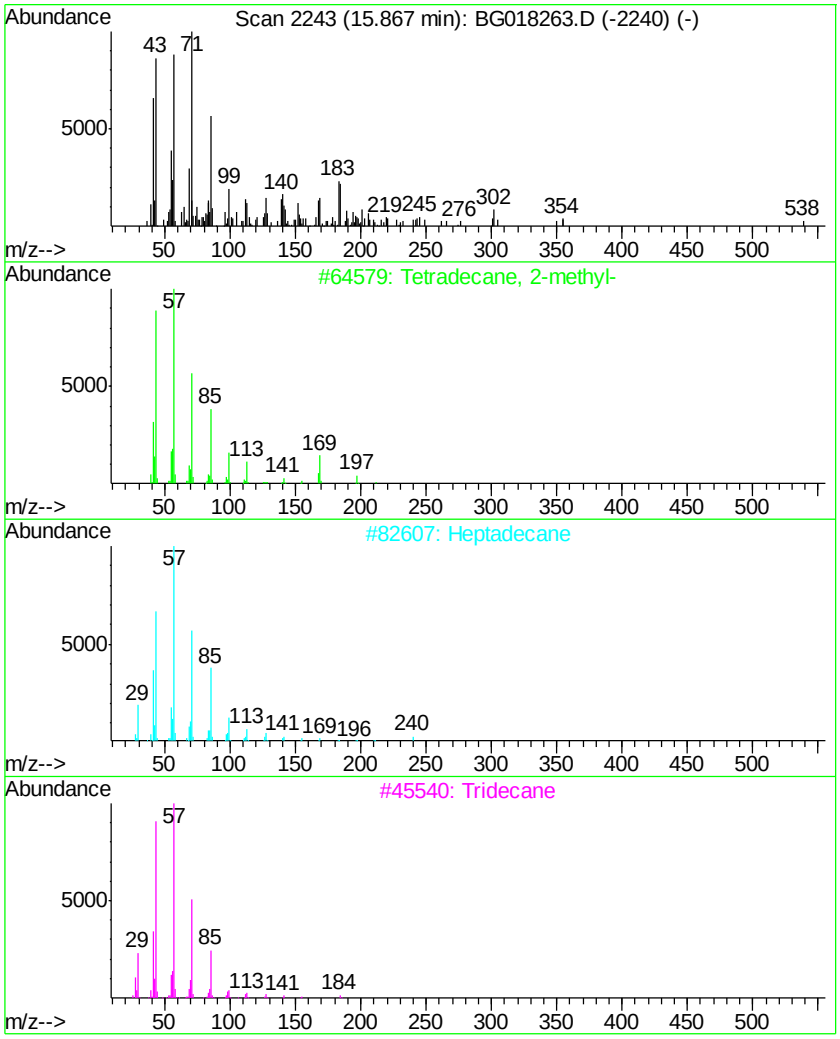
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

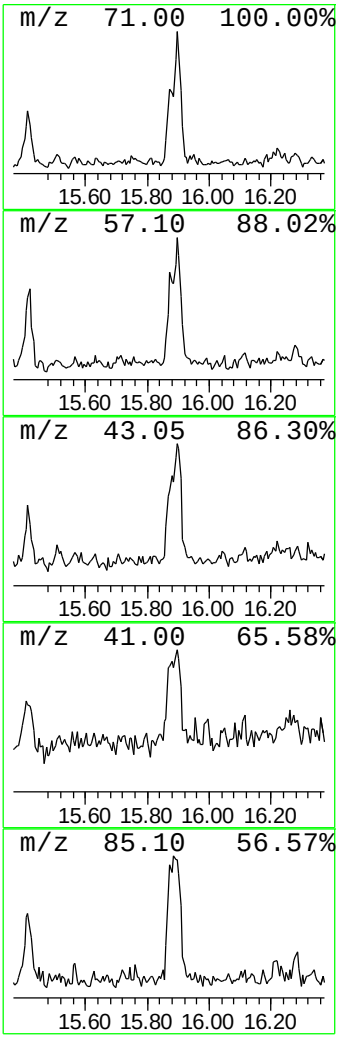
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	5.17 ng/ul	115990	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	89
2	Heptadecane	240	C17H36	000629-78-7	81
3	Tridecane	184	C13H28	000629-50-5	76
4	Heptadecane	240	C17H36	000629-78-7	76
5	Heneicosane	296	C21H44	000629-94-7	68





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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

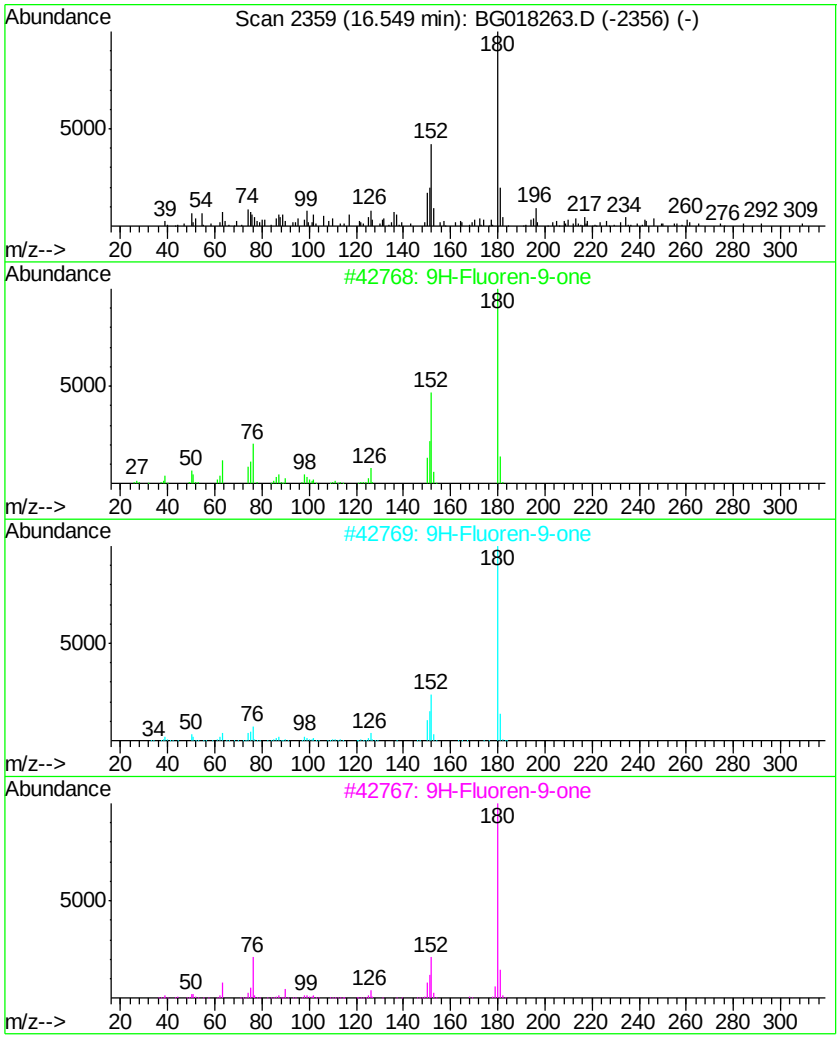
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

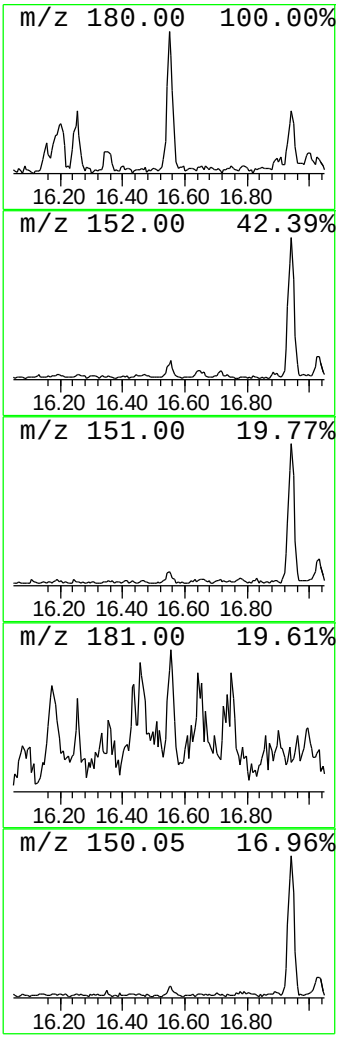
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	2.52 ng/ul	56524	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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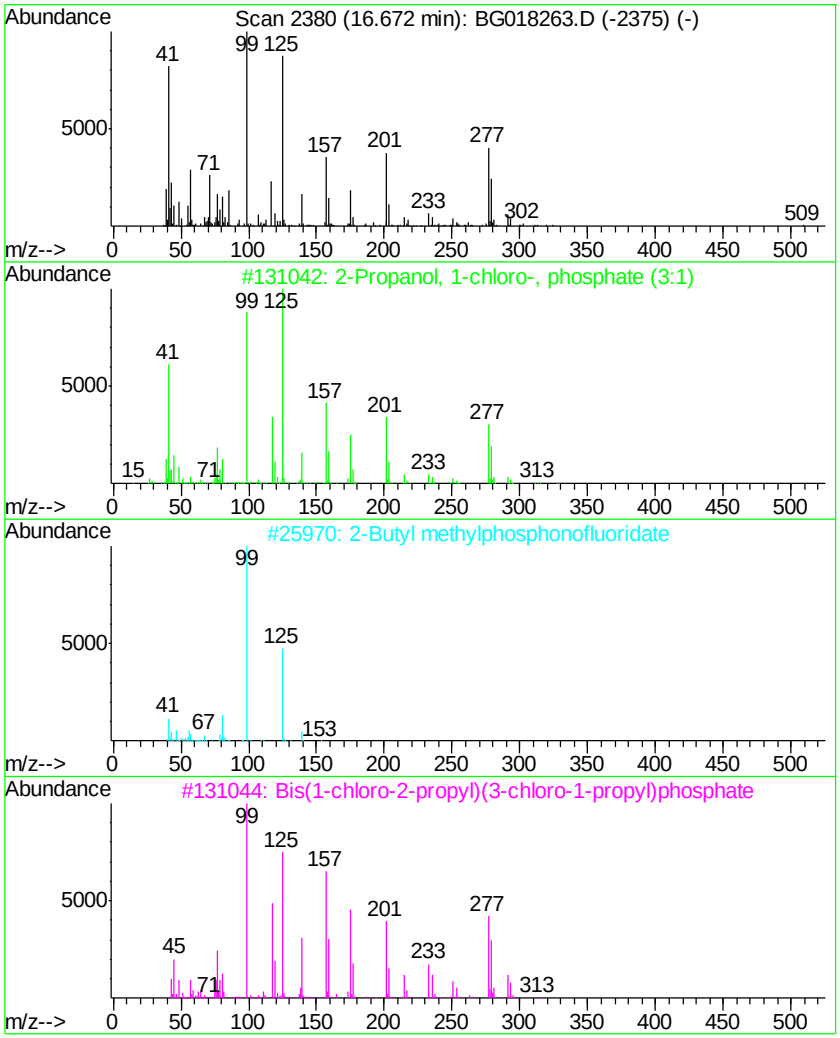
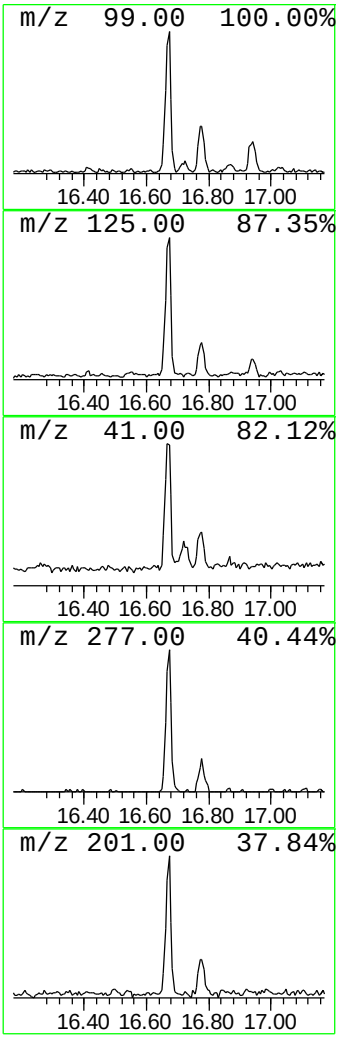
Peak Number 6 2-Propanol, 1-chloro-, phos... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	14.63 ng/ul	328467	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	80
2	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	38
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	30
4	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	18
5	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	10





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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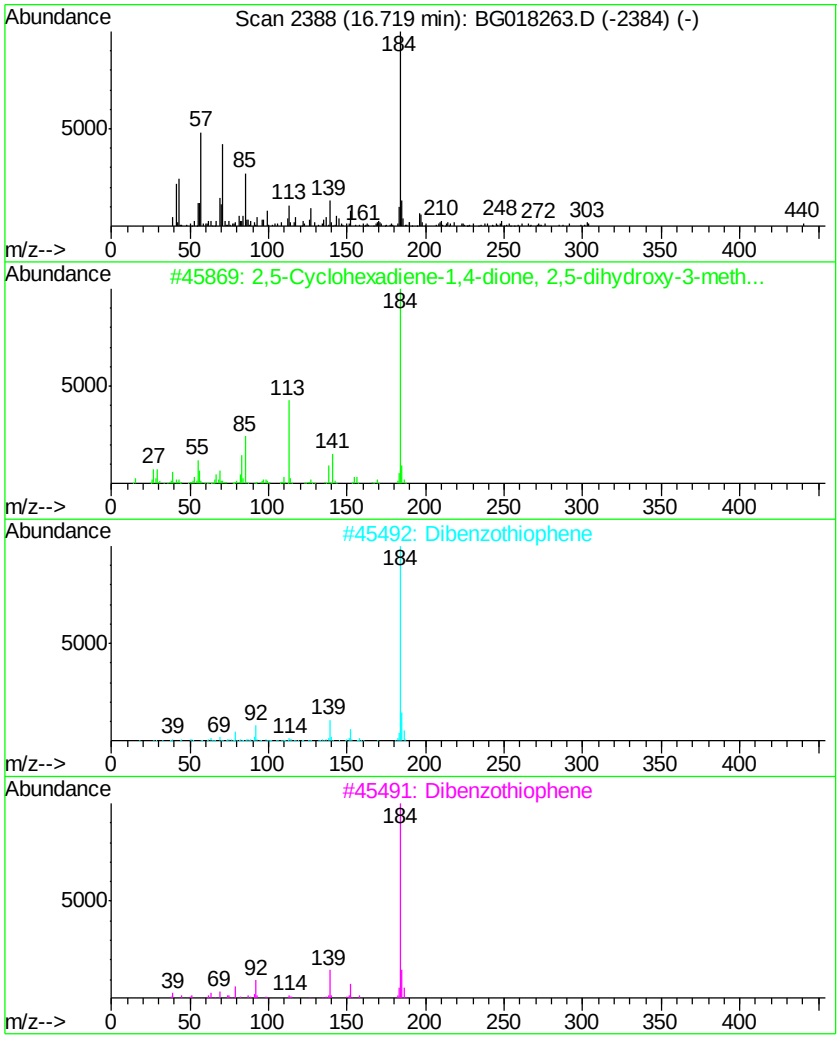
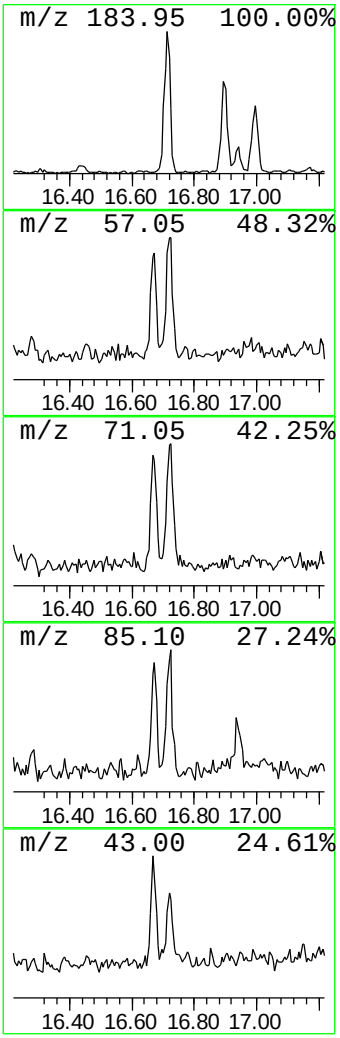
Peak Number 7 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	7.14 ng/ul	160358	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	50
2	Dibenzothiophene	184	C12H8S	000132-65-0	49
3	Dibenzothiophene	184	C12H8S	000132-65-0	46
4	Benzidine	184	C12H12N2	000092-87-5	43
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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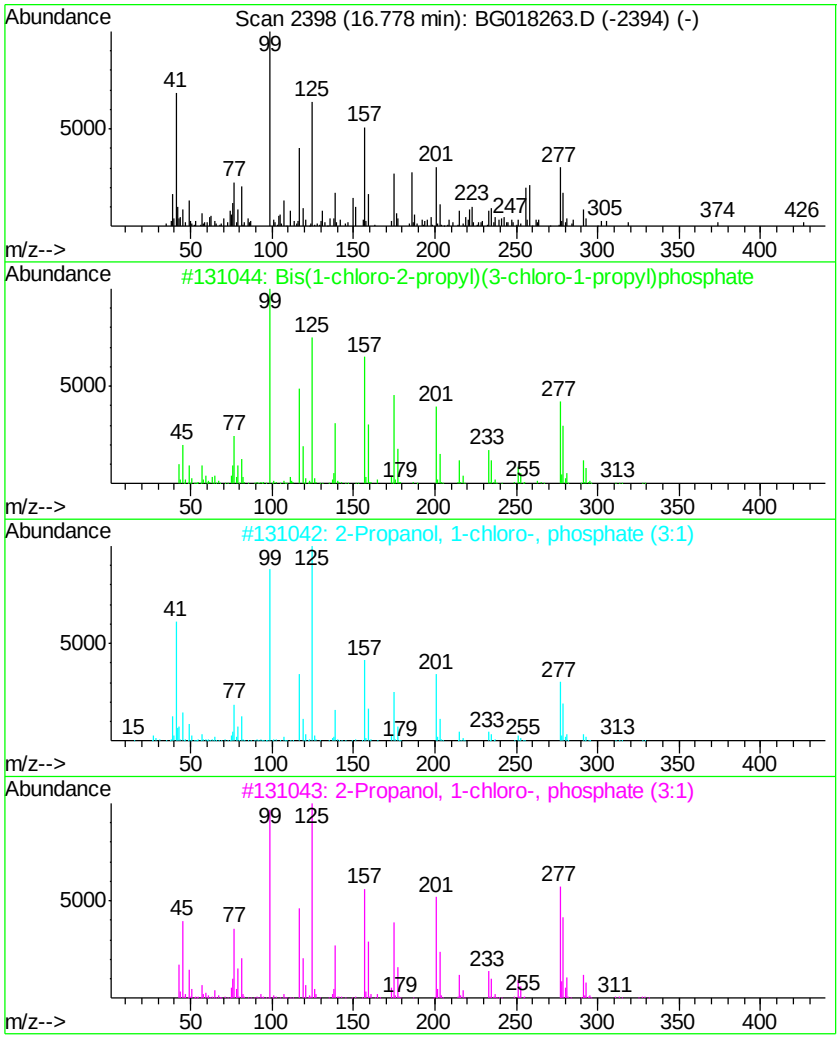
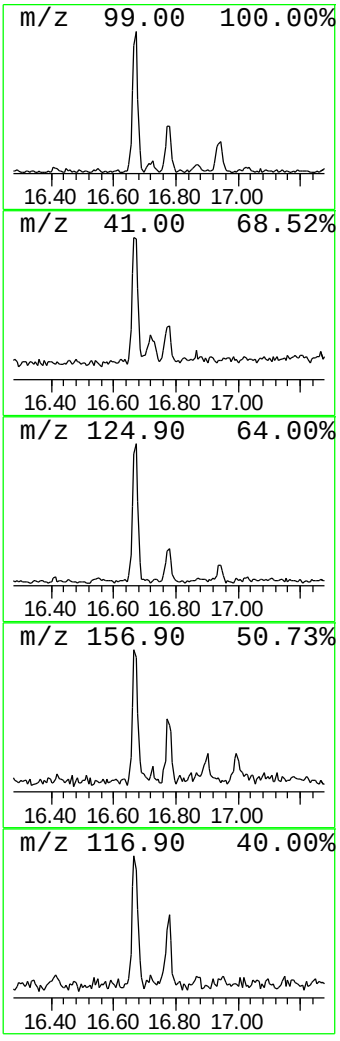
Peak Number 8 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	4.45 ng/ul	99805	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	38
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	38
3	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	35
4	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	22
5	Androstan-3-one, cyclic 1,2-etha...	318	C21H34O2	001434-14-6	16





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Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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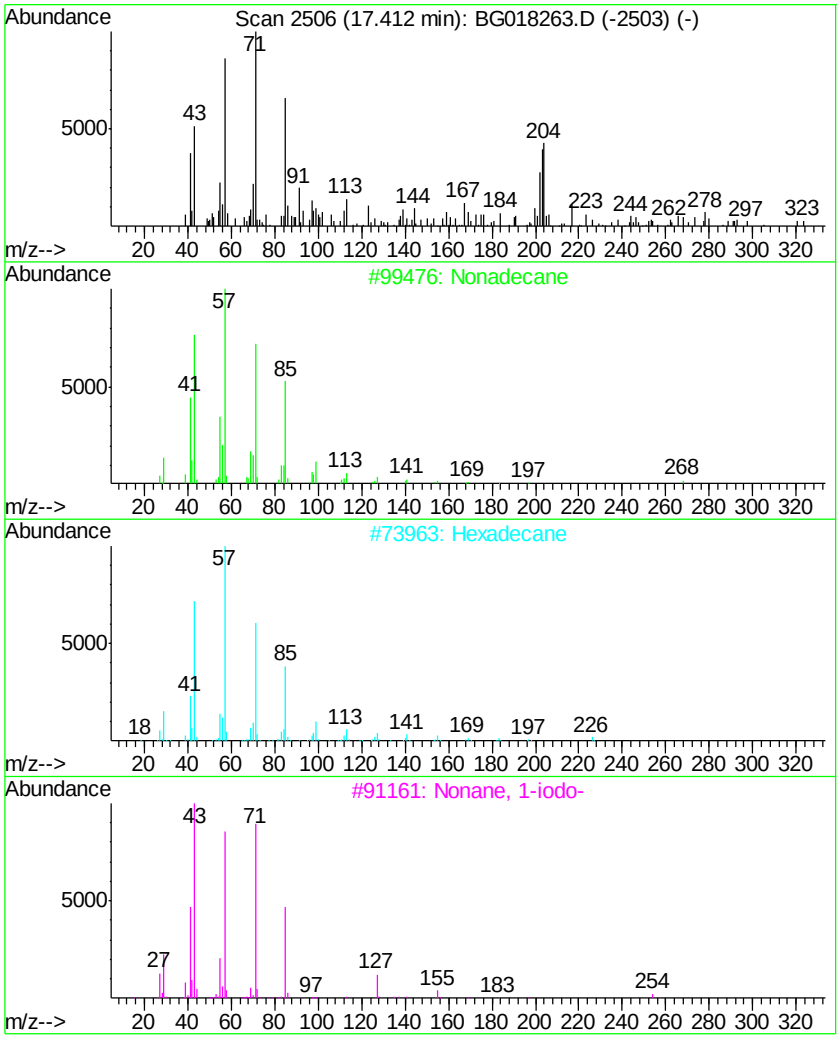
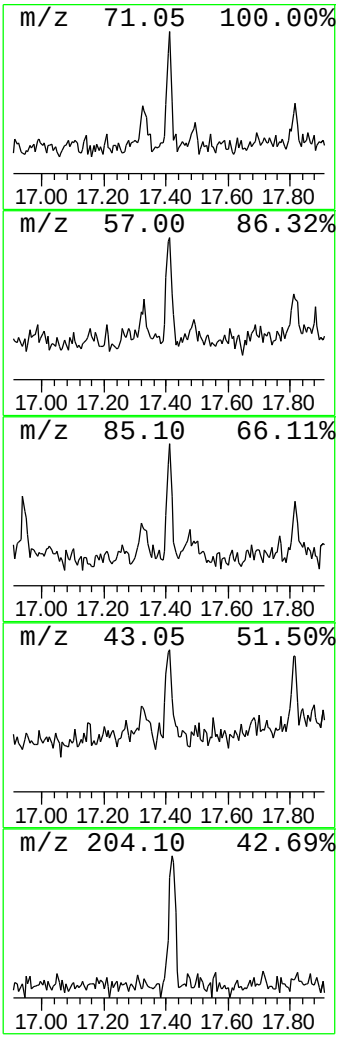
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	2.72 ng/ul	61091	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	43
2	Hexadecane	226	C16H34	000544-76-3	38
3	Nonane, 1-iodo-	254	C9H19I	004282-42-2	38
4	Octadecane	254	C18H38	000593-45-3	38
5	Tridecane	184	C13H28	000629-50-5	38





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Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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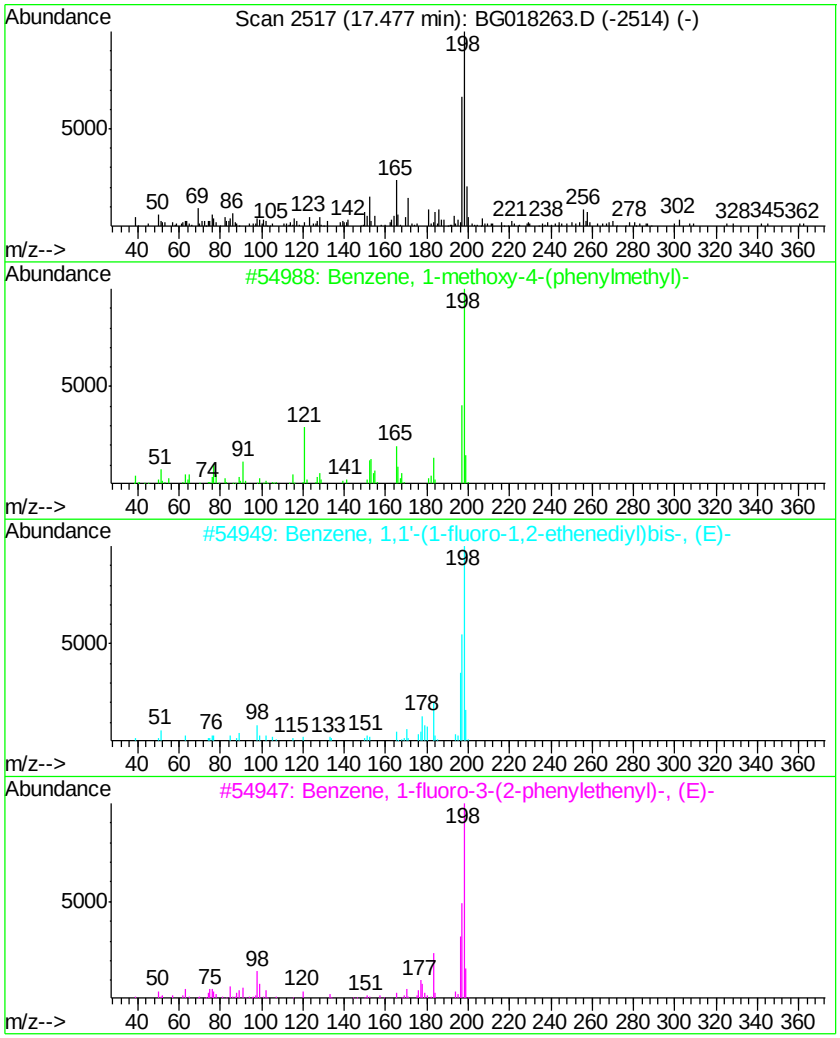
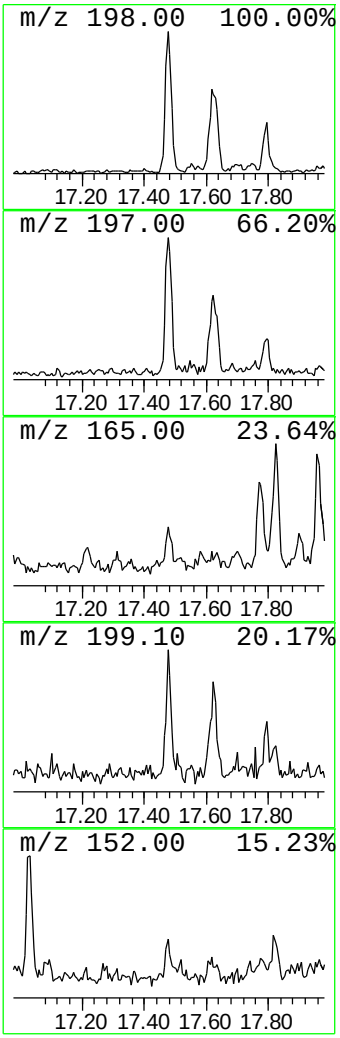
Peak Number 10 Benzene, 1-methoxy-4-(pheny... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	5.34 ng/ul	119771	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	50
2	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	49
3	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	47
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	46





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Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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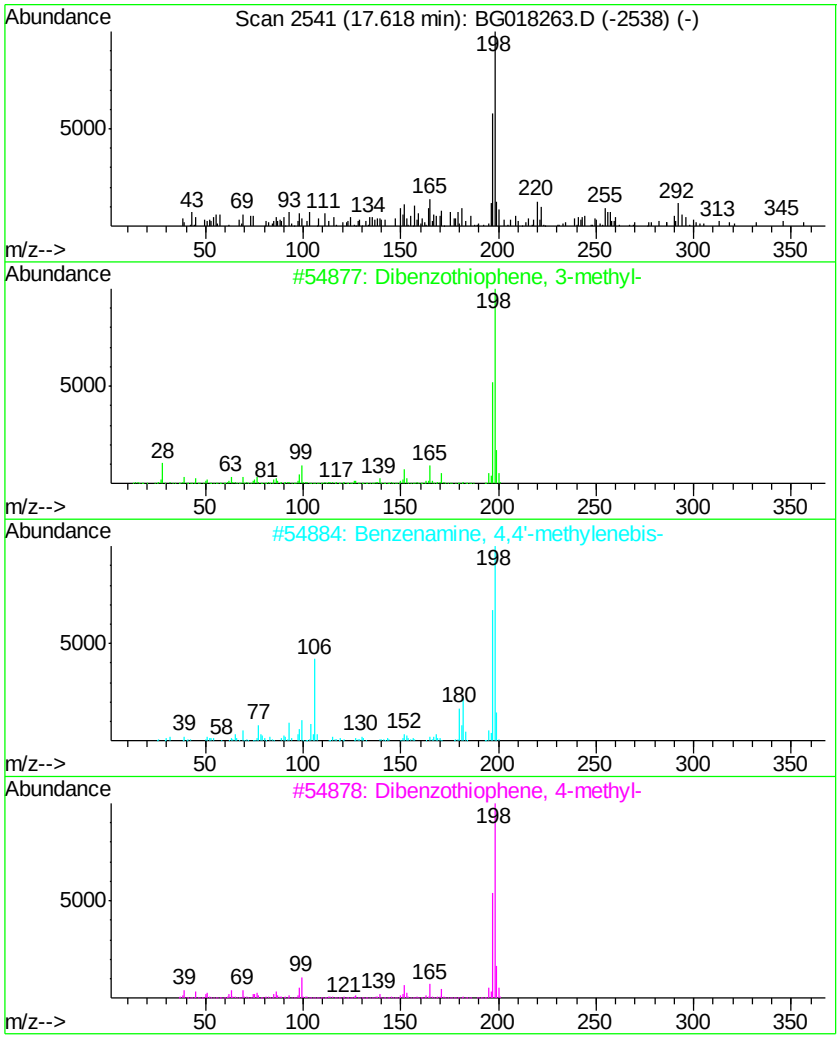
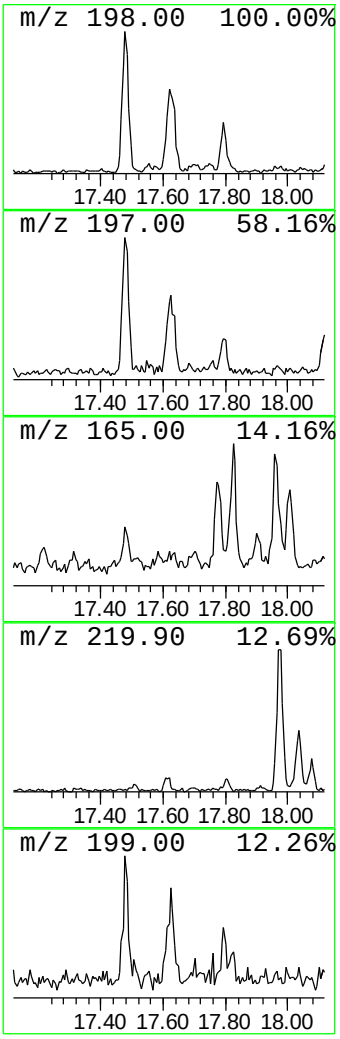
Peak Number 11 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	5.05 ng/ul	113351	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	58
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	52
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	49





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Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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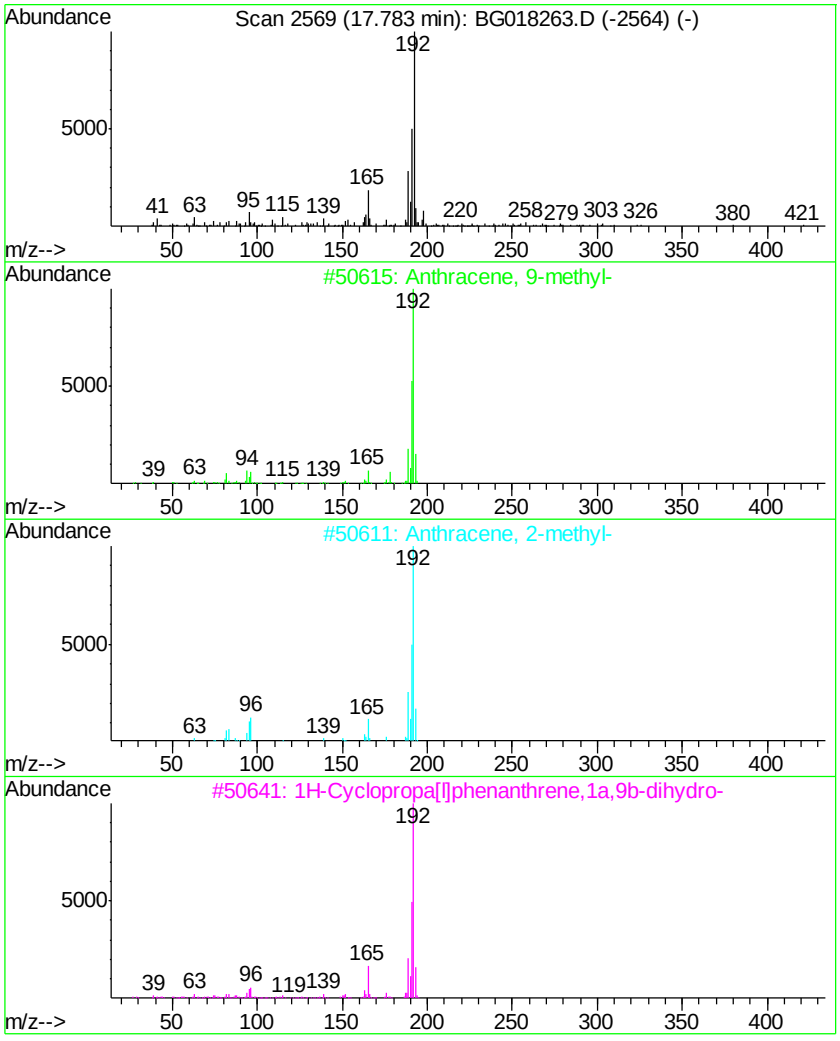
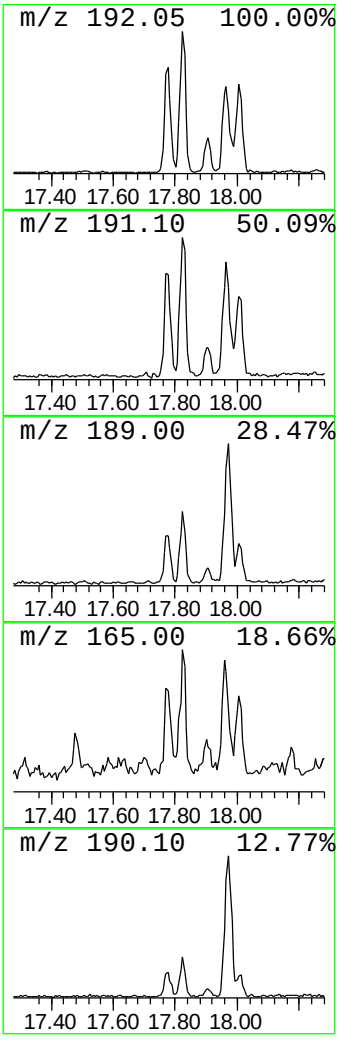
Peak Number 12 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	7.77 ng/ul	174496	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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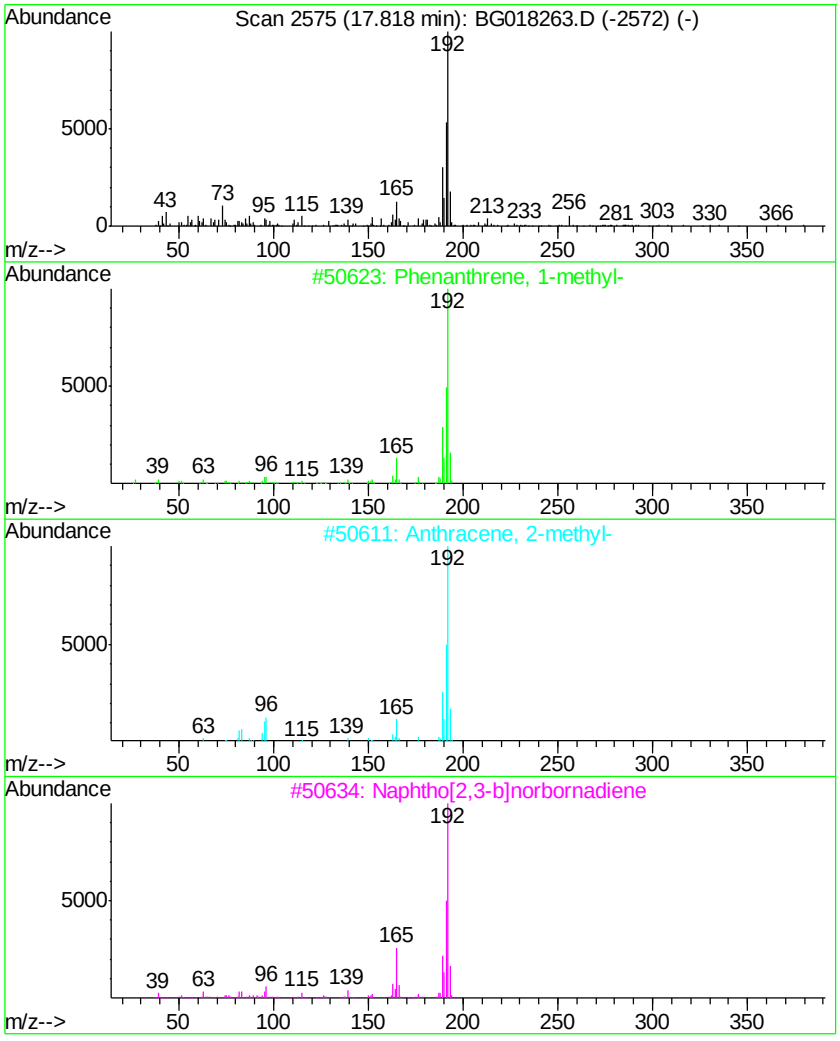
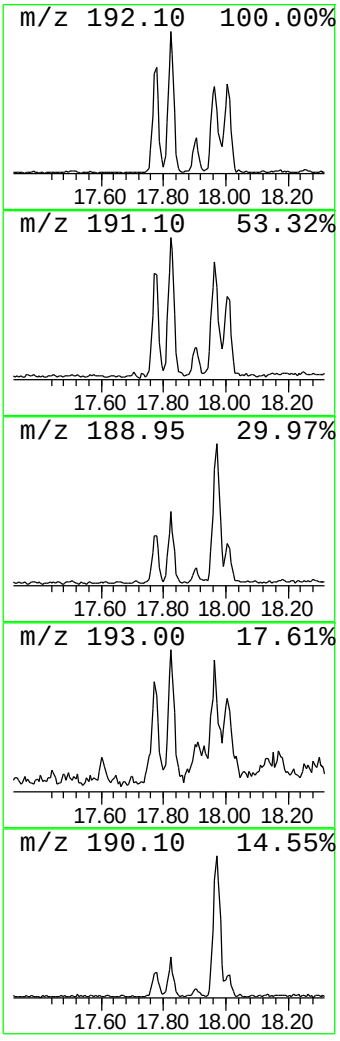
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	18.33 ng/ul	411471	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 4 Aug 2015 21:15
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Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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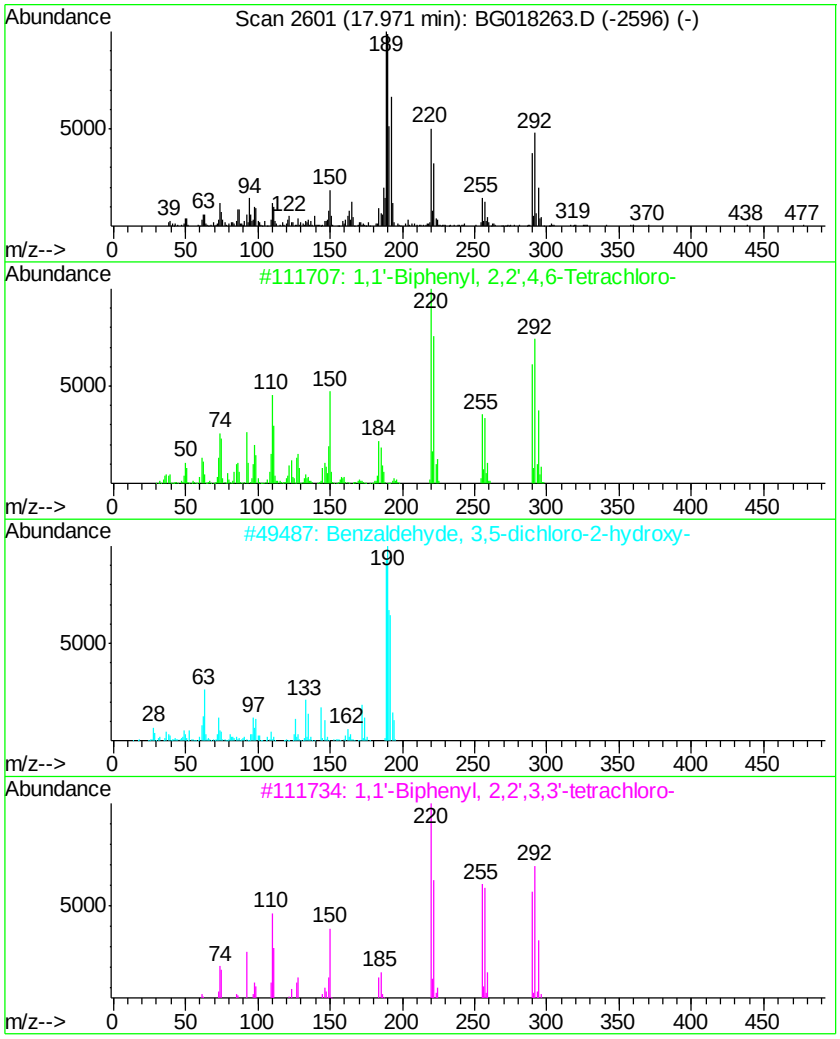
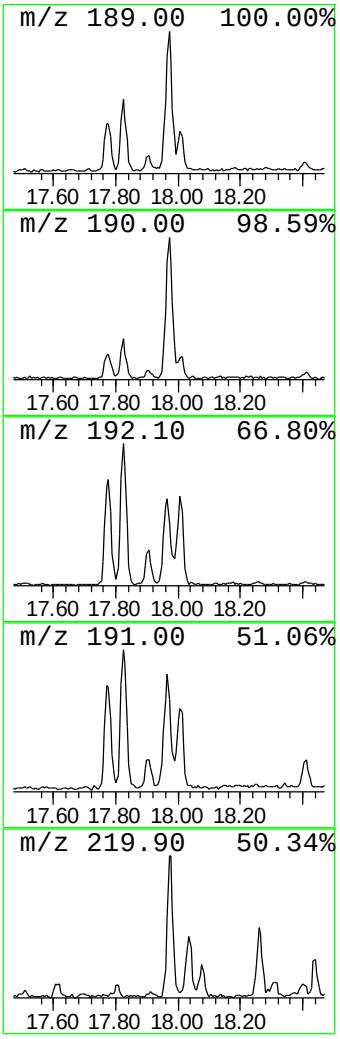
Peak Number 14 unknown-04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	26.80 ng/ul	601598	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	49
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	49
3	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	47
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	30





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Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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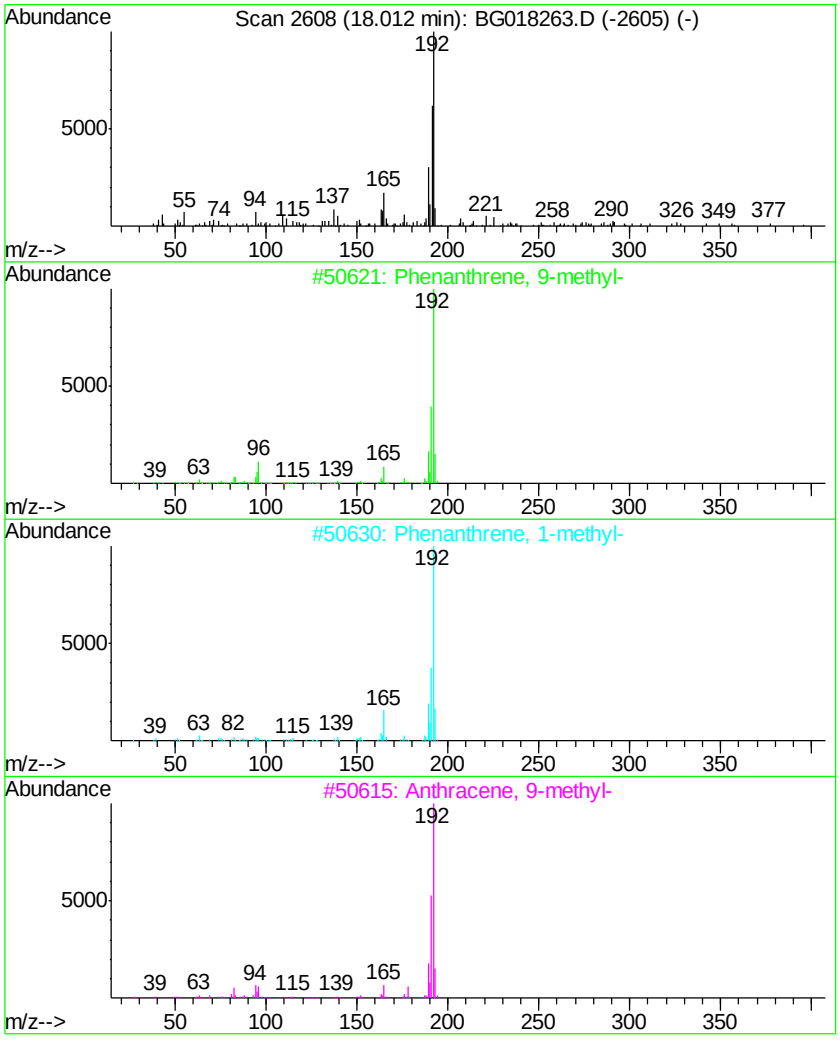
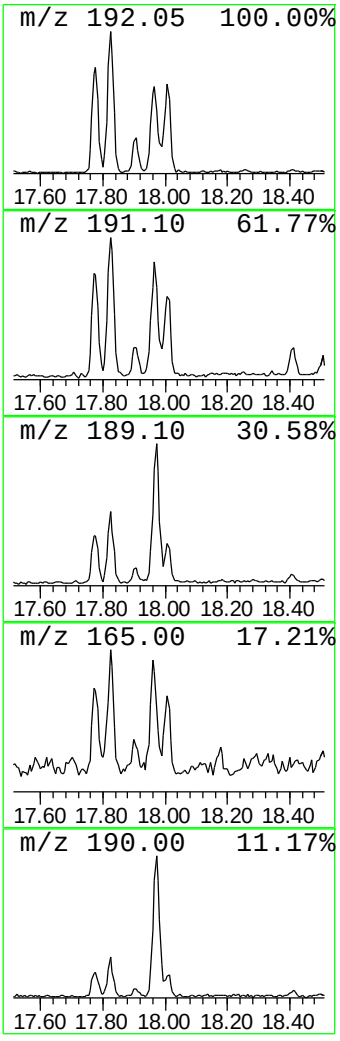
Peak Number 15 Phenanthrene, 9-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	3.72 ng/ul	83424	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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Acq On : 4 Aug 2015 21:15
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Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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Quant Title : SVOA CALIBRATION

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

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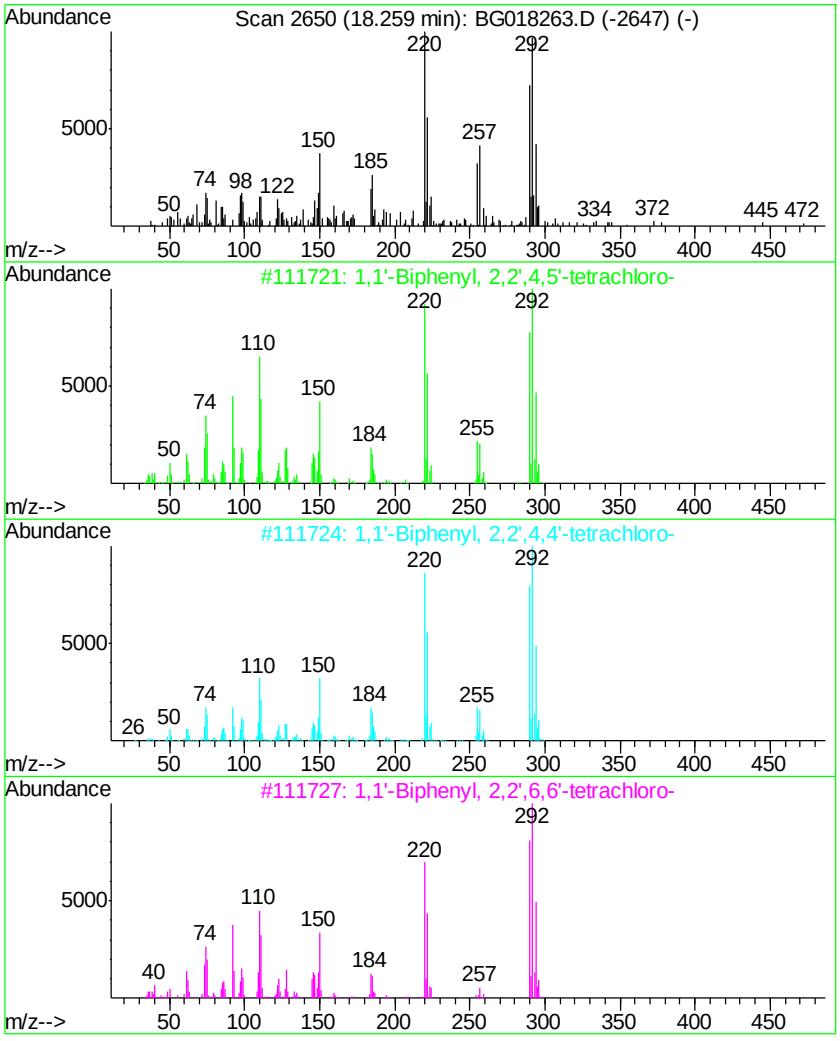
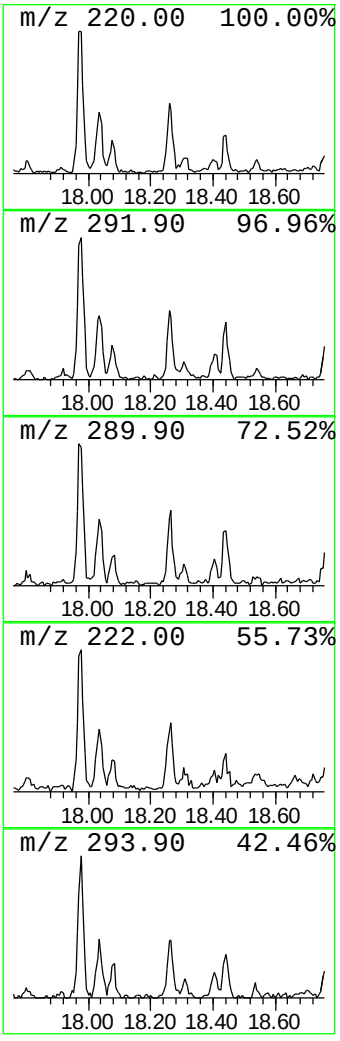
Peak Number 16 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	5.28 ng/ul	118591	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	97
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	96
4	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	95
5	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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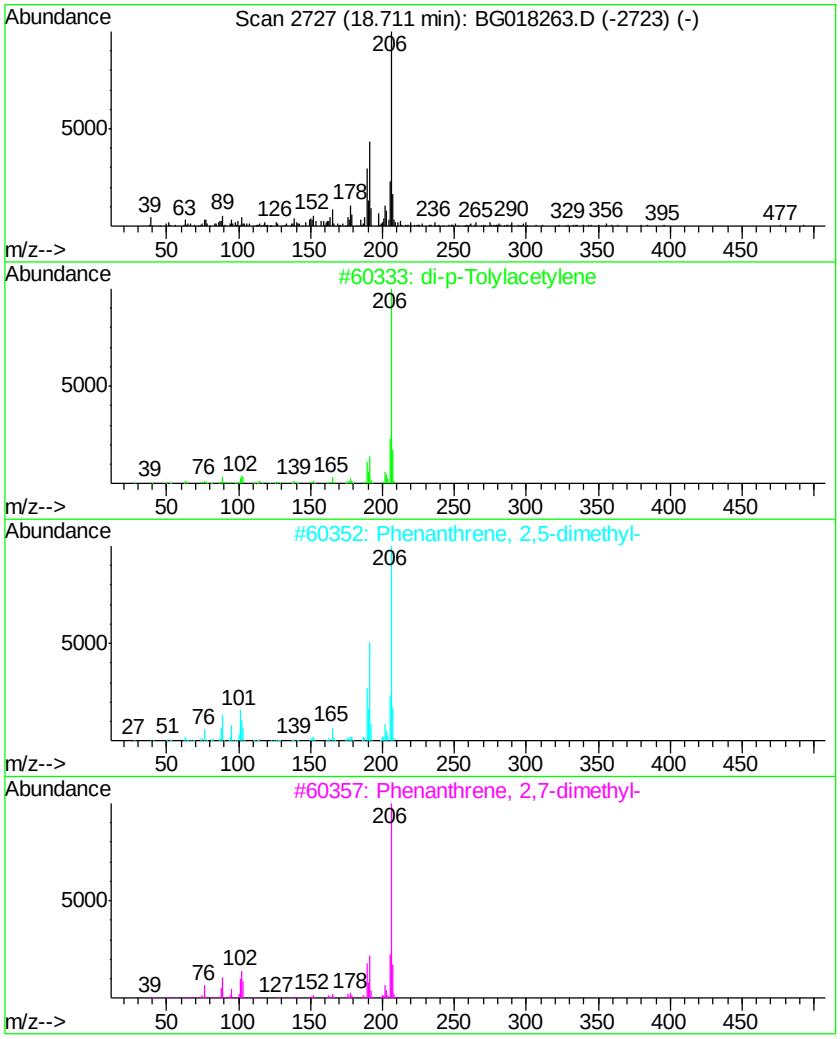
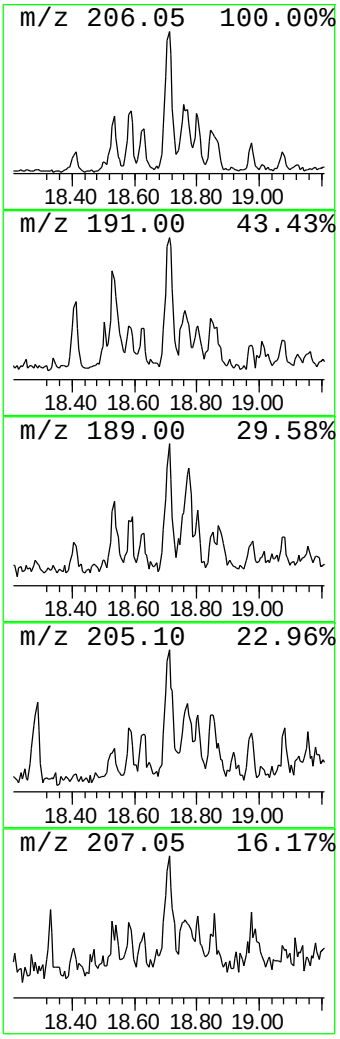
Peak Number 17 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	6.91 ng/ul	155139	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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

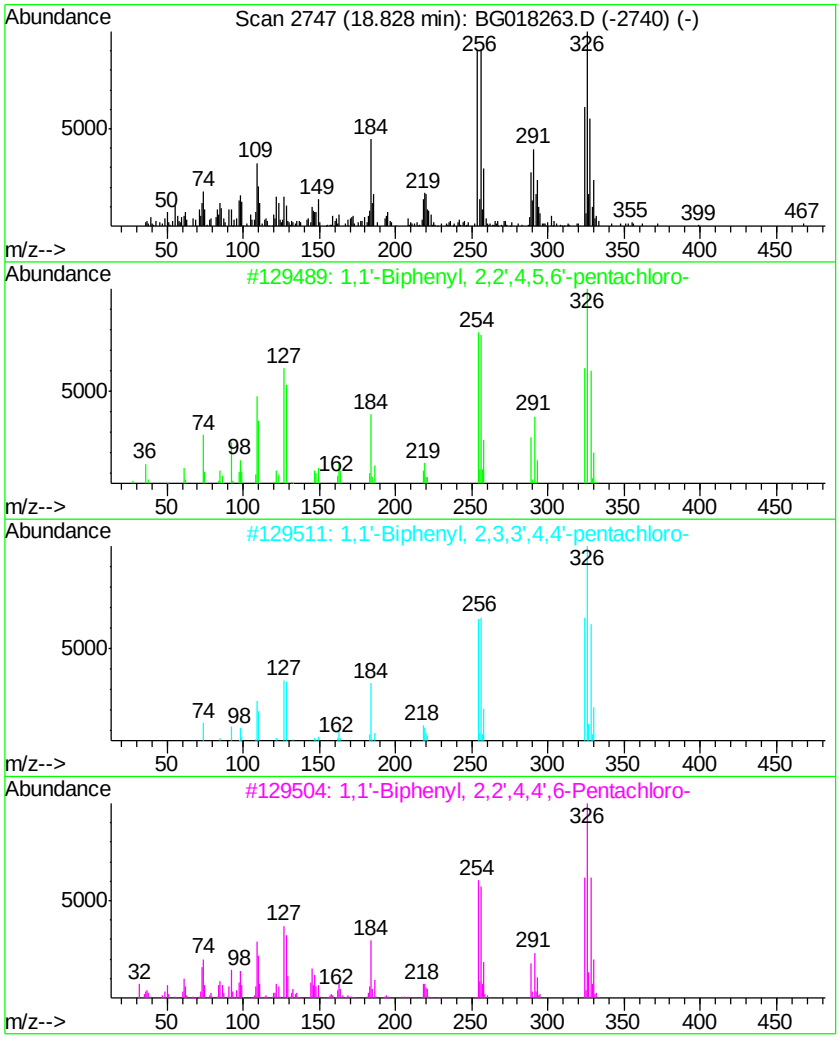
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

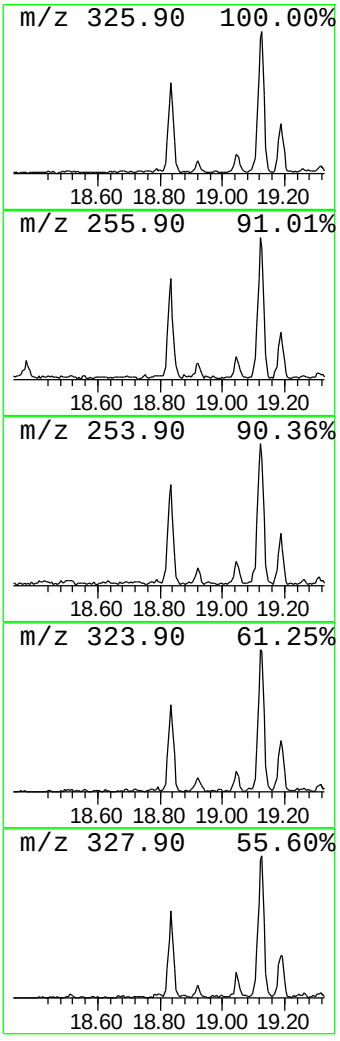
****

Peak Number 18 1,1'-Biphenyl, 2,2',4,5,6'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	25.35 ng/ul	569040	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	95
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
3	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
4	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
5	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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

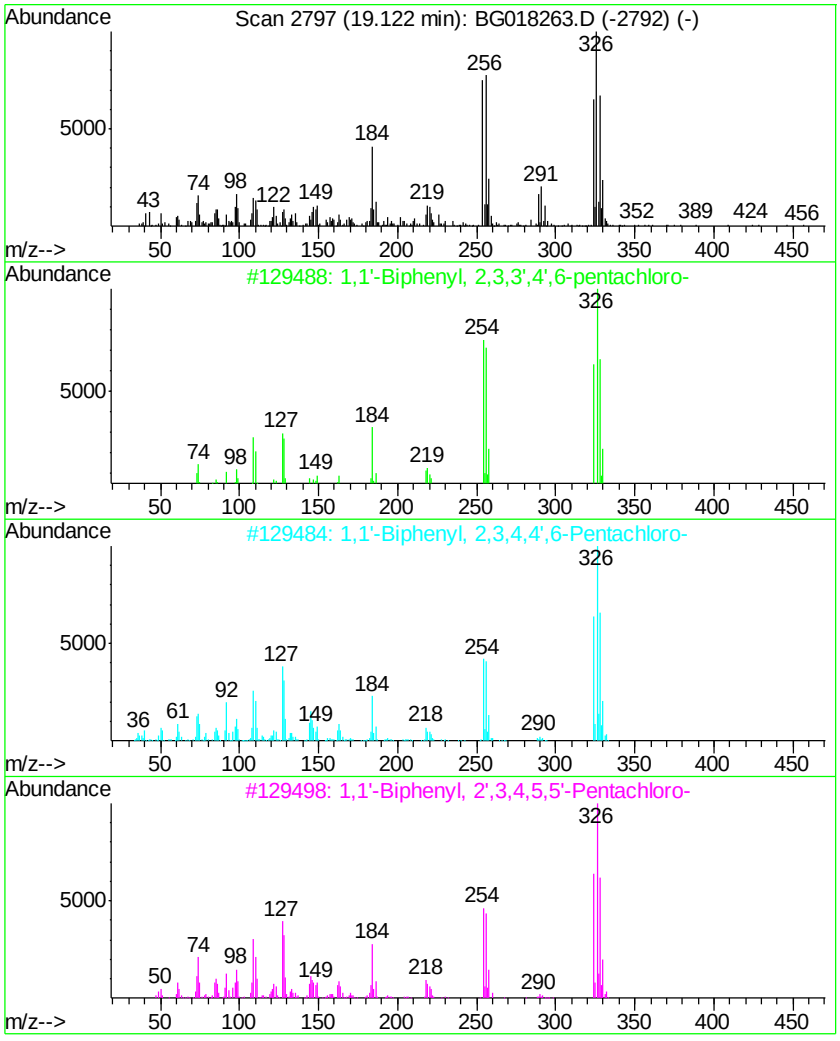
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

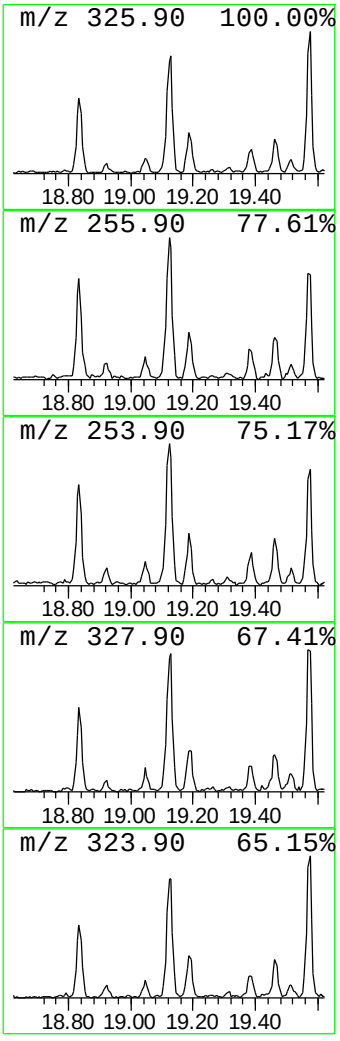
****

Peak Number 19 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	6.45 ng/ul	485509	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	96
2	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	96
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
4	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	95
5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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

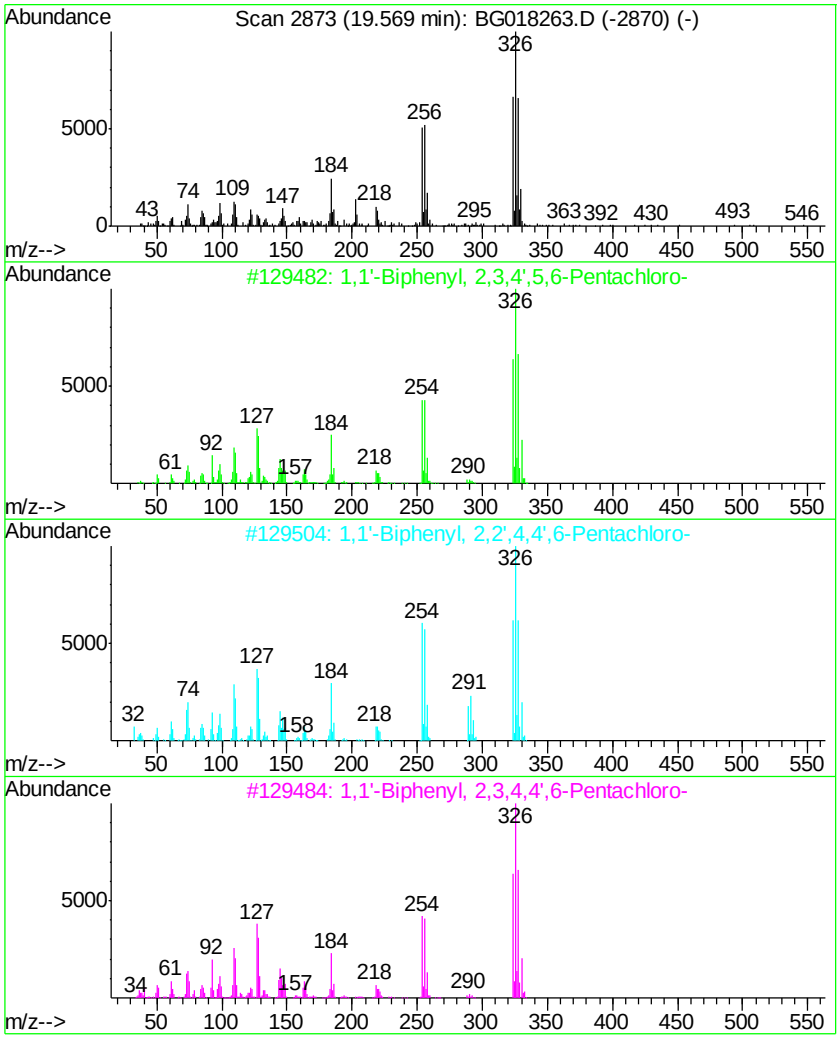
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

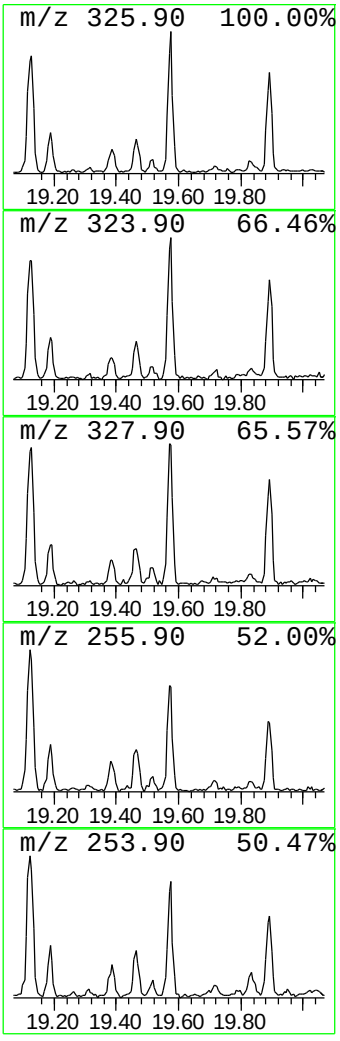
****

Peak Number 20 1,1'-Biphenyl, 2,3,4',5,6-P... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	6.26 ng/ul	471786	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	94
2	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	94
3	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	94
4	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	93
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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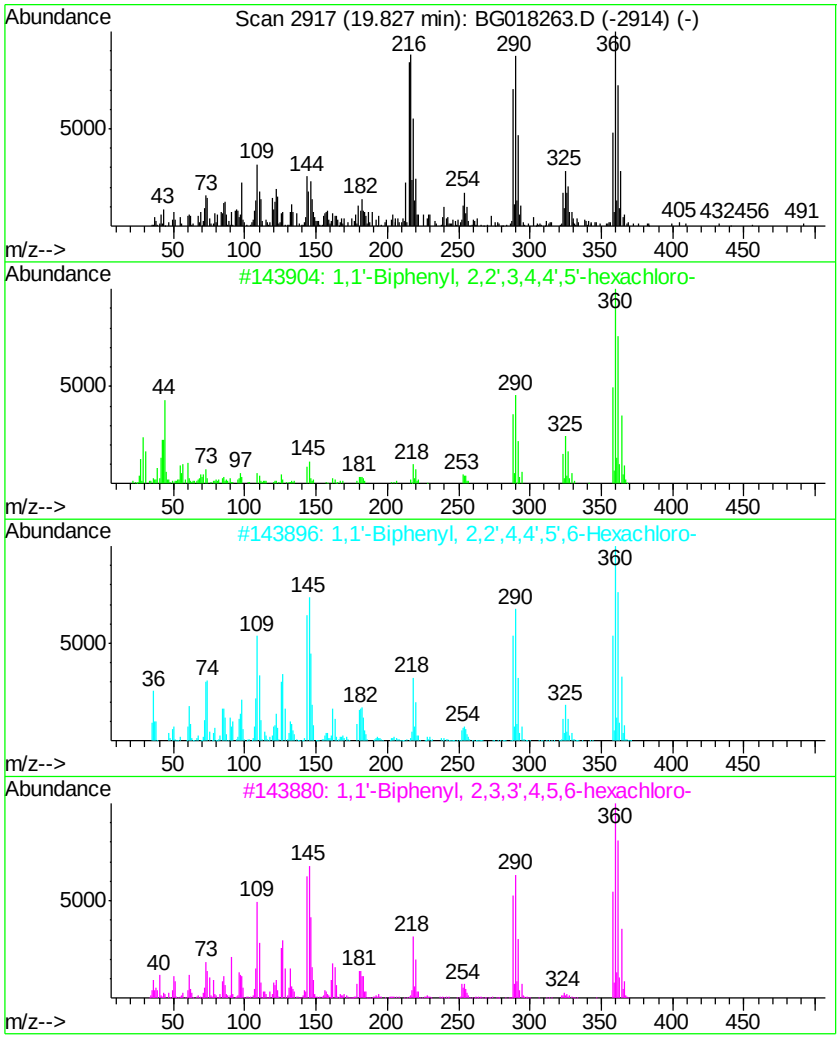
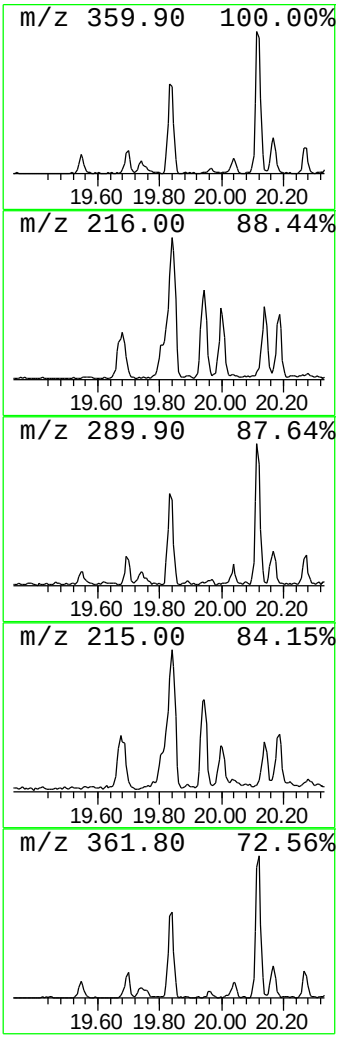
Peak Number 21 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	9.92 ng/ul	747622	Chrysene-d12	21.11

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	97
2	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	86
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	83
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	70
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	70





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Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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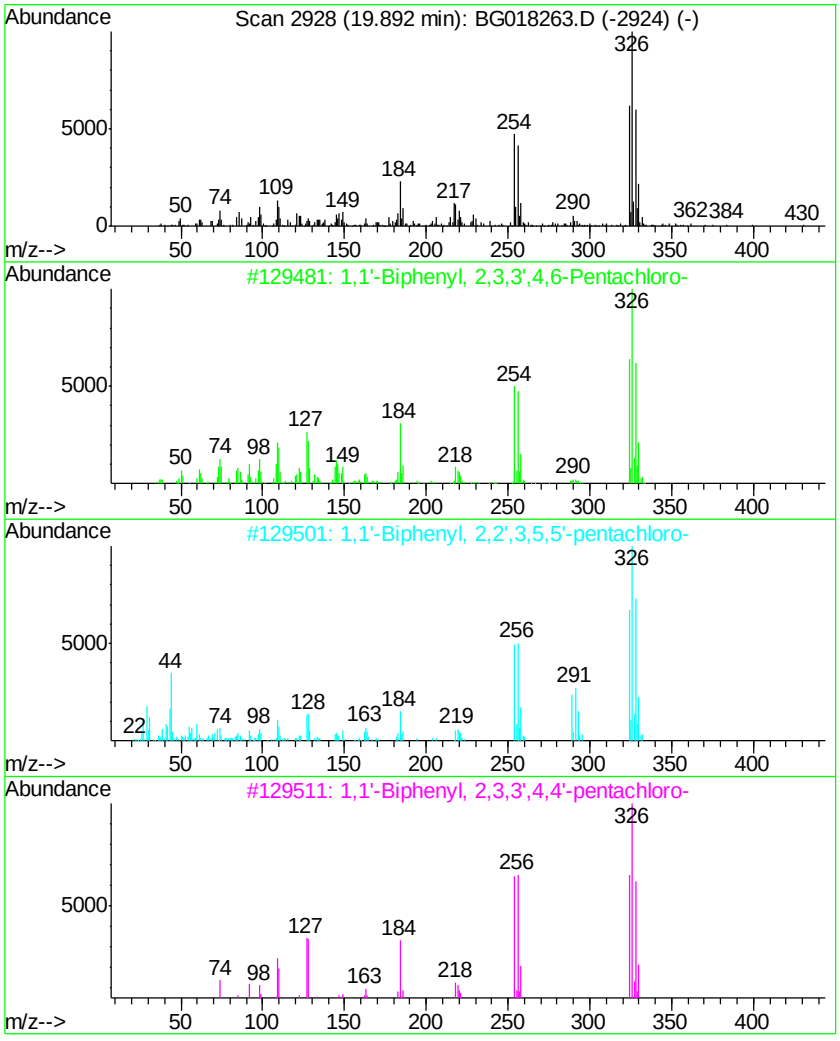
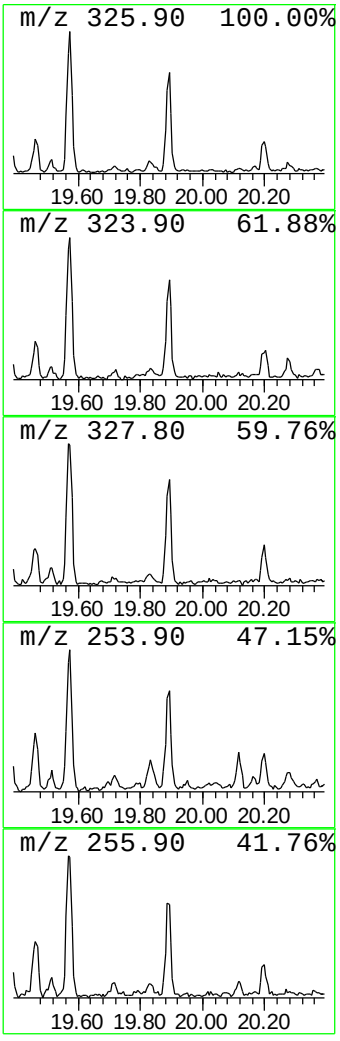
Peak Number 22 1,1'-Biphenyl, 2,3,3',4,6-P... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.43 ng/ul	258045	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	95
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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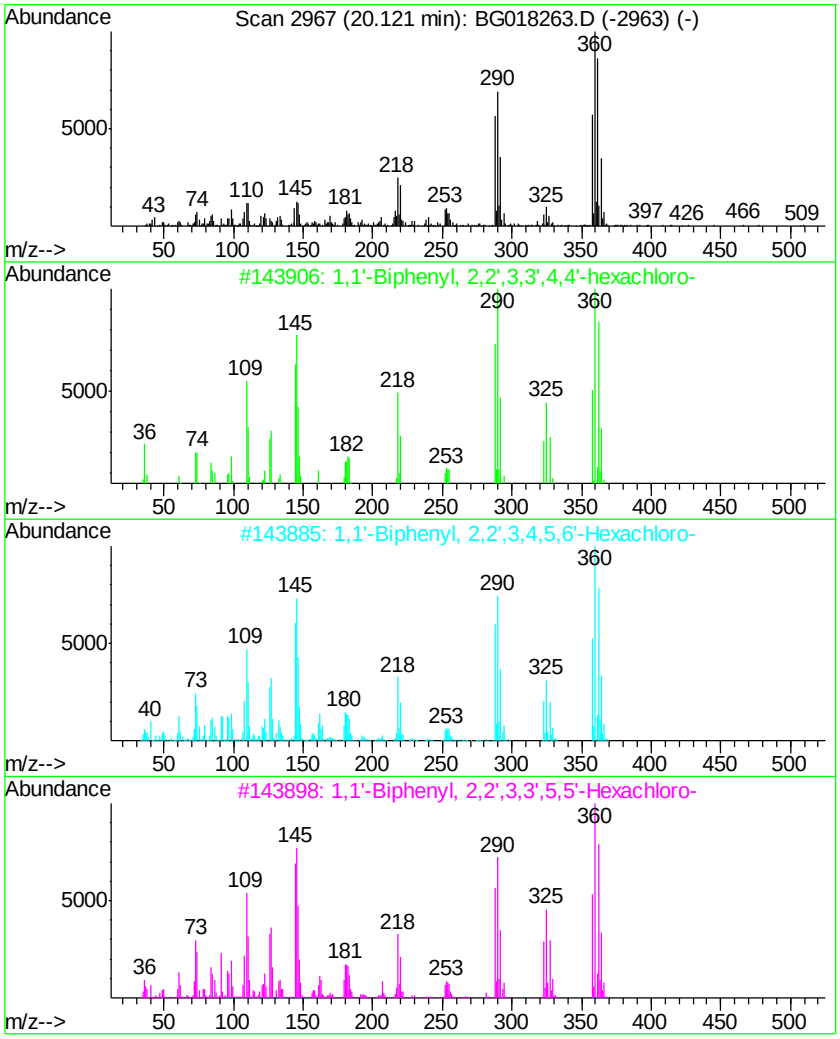
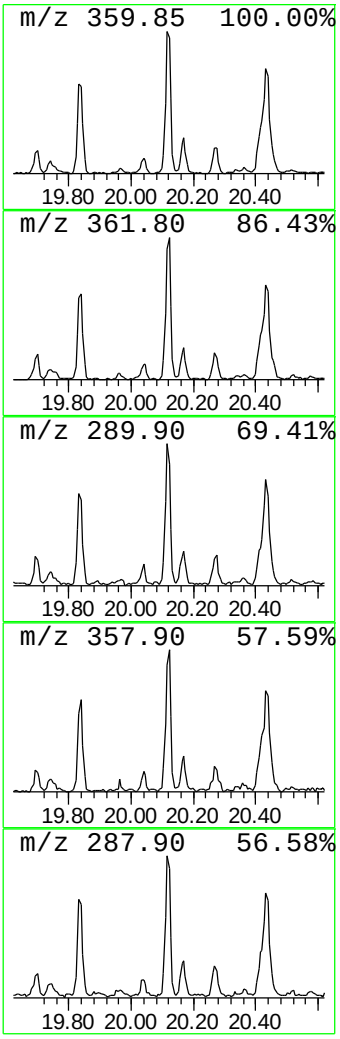
Peak Number 23 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	8.22 ng/ul	619074	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96
2	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	95
3	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	95
4	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	95
5	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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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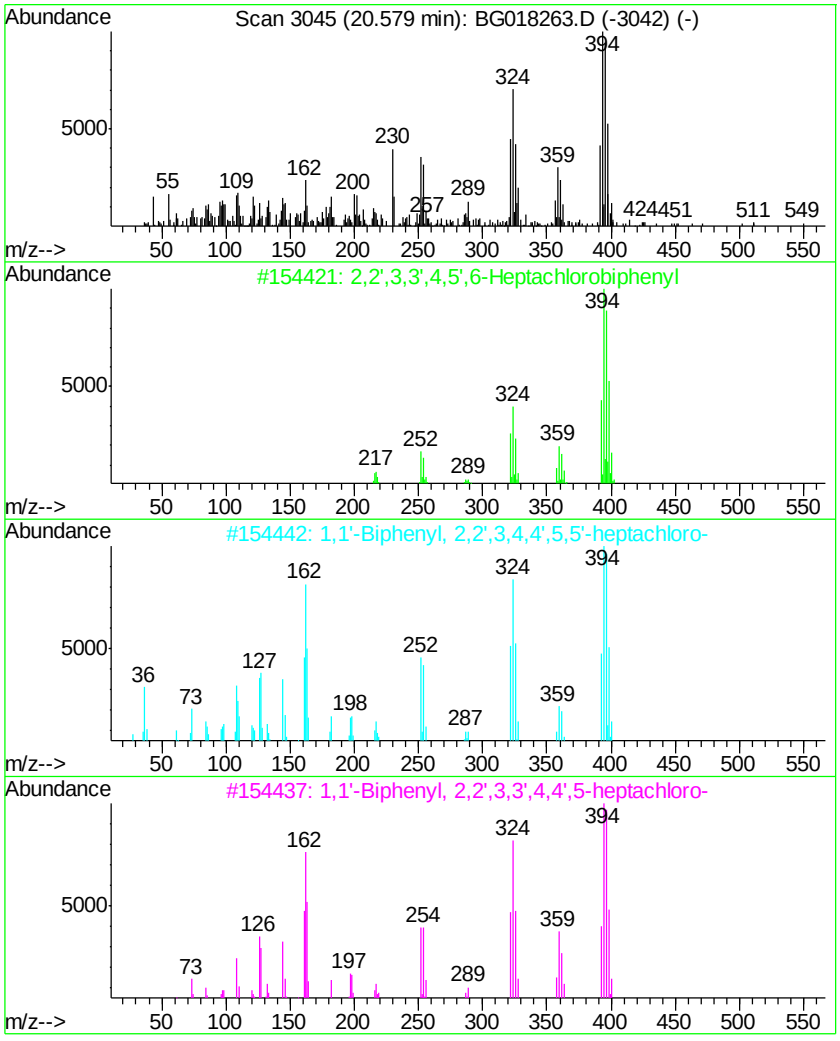
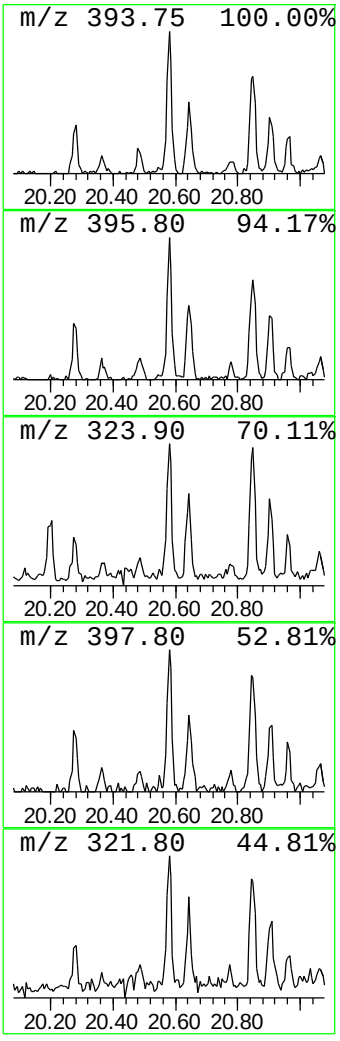
Peak Number 25 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	4.74 ng/ul	356980	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	95
3	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	95
4	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	94
5	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

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
Naphthalene, 2,7-...	13.45	2.1	ng/ul	54842	3	14.13	519704	20.0
unknown-01	14.93	2.1	ng/ul	53662	3	14.13	519704	20.0
unknown-02	15.42	5.2	ng/ul	134519	3	14.13	519704	20.0
(DEL) Alkane: Str...	15.87	5.2	ng/ul	115990	4	16.90	448964	20.0
9H-Fluoren-9-one	16.55	2.5	ng/ul	56524	4	16.90	448964	20.0
2-Propanol, 1-chl...	16.67	14.6	ng/ul	328467	4	16.90	448964	20.0
2,5-Cyclohexadien...	16.72	7.1	ng/ul	160358	4	16.90	448964	20.0
unknown-03	16.78	4.5	ng/ul	99805	4	16.90	448964	20.0
(DEL) Alkane: Str...	17.41	2.7	ng/ul	61091	4	16.90	448964	20.0
Benzene, 1-methox...	17.48	5.3	ng/ul	119771	4	16.90	448964	20.0
Dibenzothiophene,...	17.62	5.0	ng/ul	113351	4	16.90	448964	20.0
Anthracene, 9-met...	17.78	7.8	ng/ul	174496	4	16.90	448964	20.0
Phenanthrene, 1-m...	17.82	18.3	ng/ul	411471	4	16.90	448964	20.0
unknown-04	17.97	26.8	ng/ul	601598	4	16.90	448964	20.0
Phenanthrene, 9-m...	18.01	3.7	ng/ul	83424	4	16.90	448964	20.0
1,1'-Biphenyl, 2,...	18.26	5.3	ng/ul	118591	4	16.90	448964	20.0
di-p-Tolylacetylene	18.71	6.9	ng/ul	155139	4	16.90	448964	20.0
1,1'-Biphenyl, 2,...	18.83	25.4	ng/ul	569040	4	16.90	448964	20.0
1,1'-Biphenyl, 2,...	19.12	6.5	ng/ul	485509	5	21.11	1506550	20.0
1,1'-Biphenyl, 2,...	19.57	6.3	ng/ul	471786	5	21.11	1506550	20.0
1,1'-Biphenyl, 2,...	19.83	9.9	ng/ul	747622	5	21.11	1506550	20.0
1,1'-Biphenyl, 2,...	19.89	3.4	ng/ul	258045	5	21.11	1506550	20.0
1,1'-Biphenyl, 2,...	20.12	8.2	ng/ul	619074	5	21.11	1506550	20.0
2,2',3,3',4,5',6-...	20.58	4.7	ng/ul	356980	5	21.11	1506550	20.0