LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027544.D
Acq On : 20 Jun 2017 00:56
Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.518	781	788	799	rVB2	137735	260534	1.22%	0.144%
2	8.894	844	852	862	rBV	297044	546942	2.56%	0.303%
3	9.058	873	880	888	rBV	474794	862518	4.04%	0.478%
4	9.998	1027	1040	1046	rBV2	110035	256806	1.20%	0.142%
5	10.727	1149	1164	1175	rBV3	150194	464259	2.17%	0.257%
6	11.420	1260	1282	1292	rVV	8036731	21367448	100.00%	11.834%
7	11.520	1292	1299	1311	rVV	661529	1283012	6.00%	0.711%
8	12.965	1533	1545	1554	rBV	4391160	8008311	37.48%	4.435%
9	13.071	1555	1563	1570	rBV2	260042	490888	2.30%	0.272%
10	13.177	1570	1581	1589	rVB	2154314	3921692	18.35%	2.172%
11	13.941	1705	1711	1721	rVB	1190051	1925470	9.01%	1.066%
12	14.134	1731	1744	1756	rVB	389866	867275	4.06%	0.480%
13	14.275	1756	1768	1777	rBV3	704772	1950926	9.13%	1.080%
14	14.422	1783	1793	1799	rVV	956653	1971790	9.23%	1.092%
15	14.481	1799	1803	1810	rVV	640504	1069683	5.01%	0.592%
16	14.657	1822	1833	1844	rBV2	375308	991848	4.64%	0.549%
17	14.828	1850	1862	1876	rVB2	350416	682226	3.19%	0.378%
18	15.063	1890	1902	1906	rBV	474445	806837	3.78%	0.447%
19	15.110	1906	1910	1914	rVB2	272271	428307	2.00%	0.237%
20	15.180	1914	1922	1927	rBV	4413632	7534002	35.26%	4.172%
21	15.233	1928	1931	1936	rVB	183371	281071	1.32%	0.156%
22	15.298	1936	1942	1951	rVB4	116782	290931	1.36%	0.161%
23	15.409	1951	1961	1969	rBV2	201893	451303	2.11%	0.250%
24	15.509	1969	1978	1984	rBV	3238990	5788403	27.09%	3.206%
25	15.562	1984	1987	1996	rVB	210966	343703	1.61%	0.190%
26	15.709	2004	2012	2017	rBV2	211842	422372	1.98%	0.234%
27	15.762	2017	2021	2033	rVB3	211912	371121	1.74%	0.206%
28	15.879	2033	2041	2044	rBV4	145955	353440	1.65%	0.196%
29	16.056	2066	2071	2080	rVV3	143477	308783	1.45%	0.171%
30	16.156	2080	2088	2096	rVB	4354544	7736108	36.21%	4.284%
31	16.244	2096	2103	2105	rBV	217238	381895	1.79%	0.211%
32	16.273	2105	2108	2111	rVV	329155	564575	2.64%	0.313%
33	16.314	2111	2115	2119	rVV3	544048	941811	4.41%	0.522%
34	16.361	2119	2123	2126	rVV3	163858	305414	1.43%	0.169%

LSC Area Percent Report

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Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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

35	16.402	2126	2130	2132	rVV	286728	470375	2.20%	0.260%
36	16.438	2132	2136	2144	rVB	713452	1157985	5.42%	0.641%
37	16.585	2144	2161	2169	rBV	803214	1944796	9.10%	1.077%
38	16.679	2169	2177	2182	rVB3	128567	323176	1.51%	0.179%
39	16.784	2188	2195	2210	rVB3	163778	420327	1.97%	0.233%
40	16.937	2217	2221	2227	rBV2	252767	406063	1.90%	0.225%
41	17.149	2245	2257	2262	rBV2	593890	1284320	6.01%	0.711%
42	17.201	2262	2266	2271	rVV2	204933	359568	1.68%	0.199%
43	17.301	2277	2283	2288	rVV4	207777	397347	1.86%	0.220%
44	17.372	2288	2295	2299	rVV2	218949	500078	2.34%	0.277%
45	17.413	2299	2302	2311	rVV3	236246	447391	2.09%	0.248%
46	17.572	2323	2329	2341	rBV3	254228	623495	2.92%	0.345%
47	17.677	2341	2347	2360	rVB	1065147	1798149	8.42%	0.996%
48	17.924	2369	2389	2395	rBV	9406301	21348756	99.91%	11.823%
49	18.000	2395	2402	2407	rVV	2231639	3699897	17.32%	2.049%
50	18.047	2407	2410	2419	rVB	318158	540212	2.53%	0.299%
51	18.259	2440	2446	2457	rBV	1379971	2425366	11.35%	1.343%
52	18.371	2460	2465	2473	rBV3	189179	394085	1.84%	0.218%
53	18.729	2513	2526	2529	rBV	1026622	1796683	8.41%	0.995%
54	18.776	2529	2534	2540	rVB	1522145	2393874	11.20%	1.326%
55	18.858	2540	2548	2553	rBV	602582	1073830	5.03%	0.595%
56	18.929	2553	2560	2570	rVV2	1910866	4244868	19.87%	2.351%
57	19.211	2603	2608	2614	rVB	748369	1096875	5.13%	0.607%
58	19.452	2645	2649	2653	rVV4	186143	280844	1.31%	0.156%
59	19.499	2653	2657	2661	rVV	185306	281952	1.32%	0.156%
60	19.616	2669	2677	2683	rBV	363006	741498	3.47%	0.411%
61	19.693	2684	2690	2697	rVB2	221467	556019	2.60%	0.308%
62	19.904	2717	2726	2736	rBV	6846846	12775344	59.79%	7.075%
63	19.986	2736	2740	2744	rVB2	185061	263911	1.24%	0.146%
64	20.139	2751	2766	2774	rVB2	317974	924932	4.33%	0.512%
65	20.263	2774	2787	2793	rBV3	5083953	11937037	55.87%	6.611%
66	20.315	2793	2796	2805	rVB2	331060	541312	2.53%	0.300%
67	20.427	2808	2815	2819	rBV	363080	539798	2.53%	0.299%
68	20.498	2820	2827	2832	rVB	257228	420013	1.97%	0.233%
69	20.568	2832	2839	2845	rBV2	412234	961704	4.50%	0.533%
70	20.627	2845	2849	2854	rVB	254977	361767	1.69%	0.200%
71	20.691	2854	2860	2864	rBV	402958	826356	3.87%	0.458%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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

72	20.738	2864	2868	2877	rVB	1231022	1890350	8.85%	1.047%
73	20.844	2879	2886	2890	rBV	1374302	2260583	10.58%	1.252%
74	20.903	2891	2896	2900	rVV2	398868	849892	3.98%	0.471%
75	21.056	2917	2922	2926	rBV	162941	283261	1.33%	0.157%
76	21.103	2926	2930	2937	rVB	195560	348291	1.63%	0.193%
77	21.297	2958	2963	2971	rBV4	215283	458881	2.15%	0.254%
78	21.373	2971	2976	2993	rVB5	164546	618834	2.90%	0.343%
79	21.502	2993	2998	3004	rBV	165504	348712	1.63%	0.193%
80	21.767	3034	3043	3047	rBV	333325	684101	3.20%	0.379%
81	21.814	3047	3051	3056	rVB	286817	475783	2.23%	0.263%
82	21.872	3056	3061	3066	rBV3	309377	543222	2.54%	0.301%
83	22.072	3085	3095	3102	rBV	115199	312980	1.46%	0.173%
84	22.219	3106	3120	3127	rBV3	2031082	5135416	24.03%	2.844%
85	22.290	3127	3132	3145	rVB	1321418	2661763	12.46%	1.474%
86	22.460	3154	3161	3169	rBV	328318	659732	3.09%	0.365%
87	22.613	3180	3187	3192	rVB	115834	264082	1.24%	0.146%
88	22.689	3192	3200	3209	rBV2	218996	481455	2.25%	0.267%
89	22.948	3225	3244	3251	rBV2	123294	542271	2.54%	0.300%
90	23.048	3251	3261	3269	rVV	219839	684400	3.20%	0.379%
91	23.294	3297	3303	3309	rVV4	111563	258421	1.21%	0.143%
92	23.418	3318	3324	3332	rVV3	140521	378414	1.77%	0.210%
93	23.512	3332	3340	3354	rVB4	97755	318968	1.49%	0.177%
94	24.722	3533	3546	3554	rBV2	439567	1768633	8.28%	0.979%
95	25.010	3587	3595	3613	rVB	97761	309956	1.45%	0.172%
96	25.545	3675	3686	3702	rVB	168777	579563	2.71%	0.321%
97	25.715	3704	3715	3730	rVB	321225	1075706	5.03%	0.596%
98	25.885	3731	3744	3753	rVV	219770	829460	3.88%	0.459%
99	25.974	3753	3759	3776	rVB3	87140	323971	1.52%	0.179%
100	30.080	4441	4458	4486	rVB5	65440	427785	2.00%	0.237%

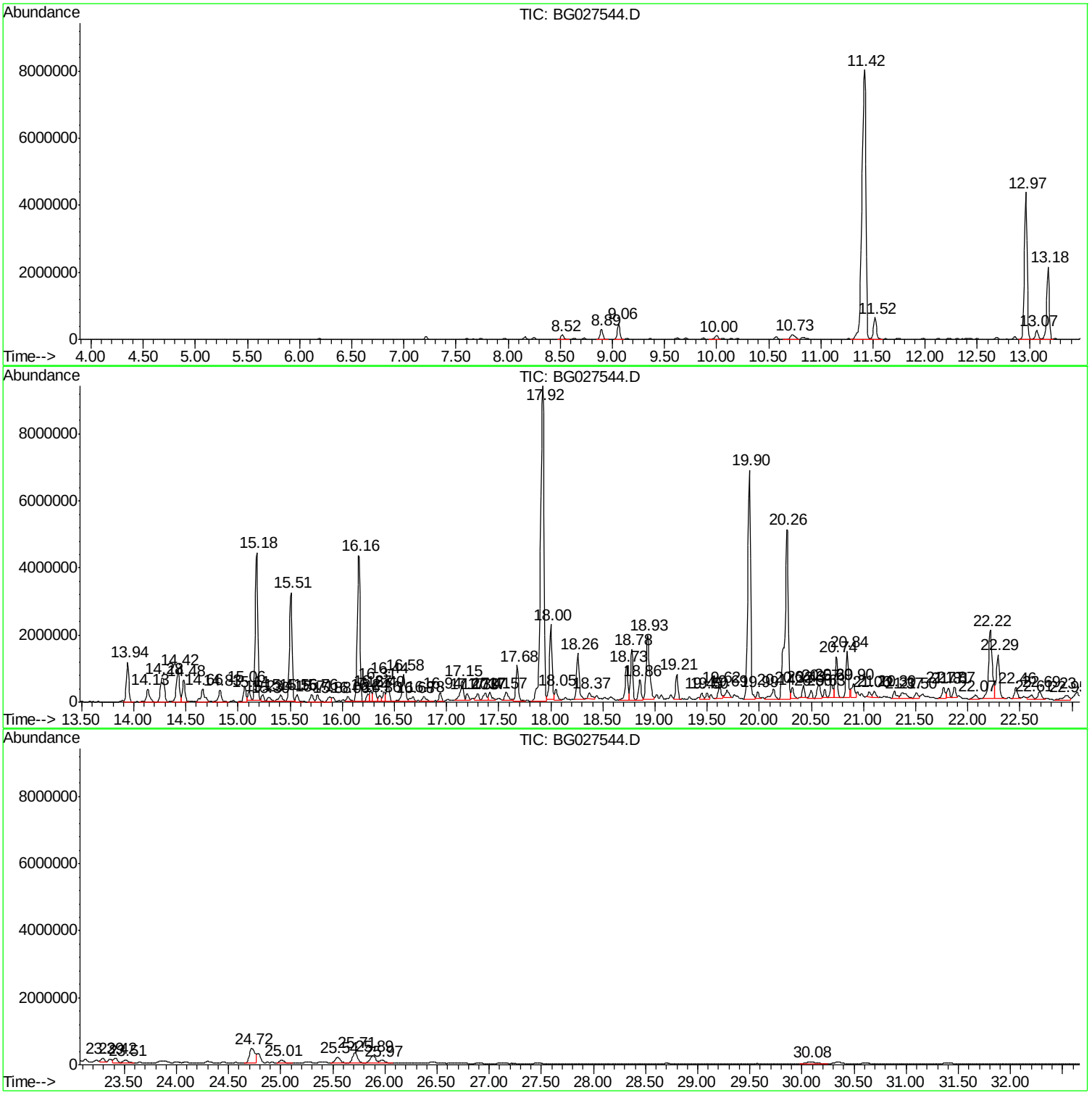
Sum of corrected areas: 180566593

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027544.D
Acq On : 20 Jun 2017 00:56
Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5C80

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

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



Library Search Compound Report

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Acq On : 20 Jun 2017 00:56
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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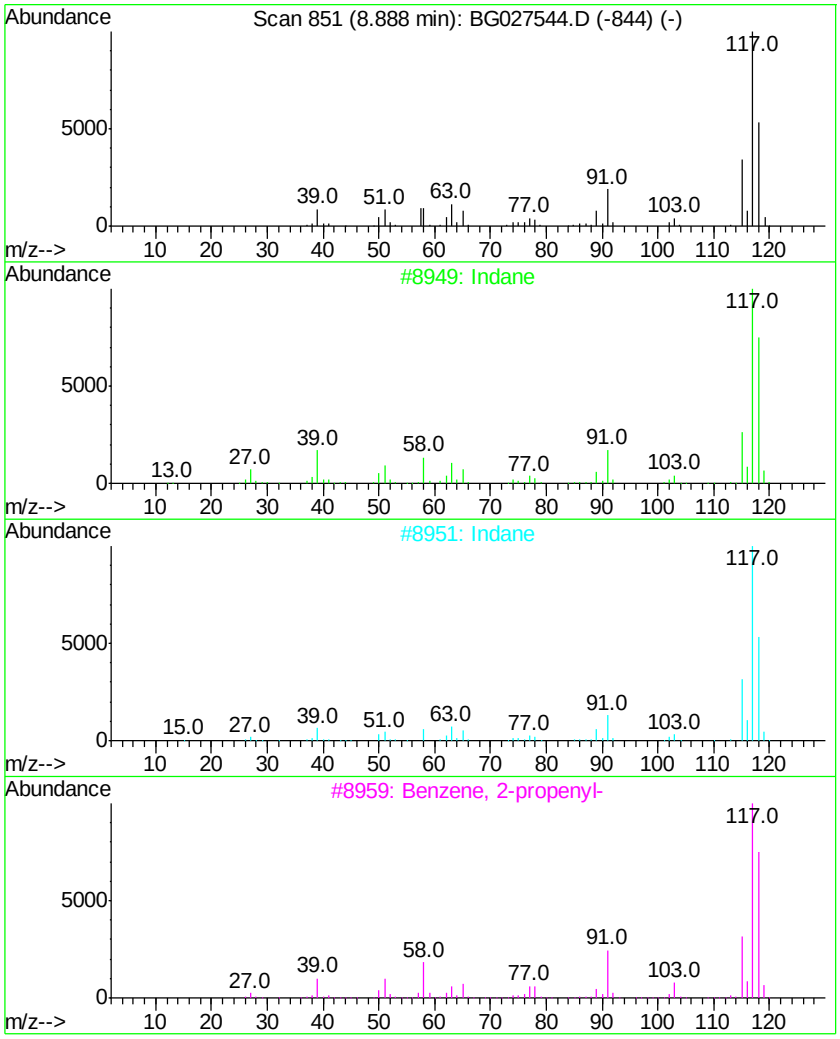
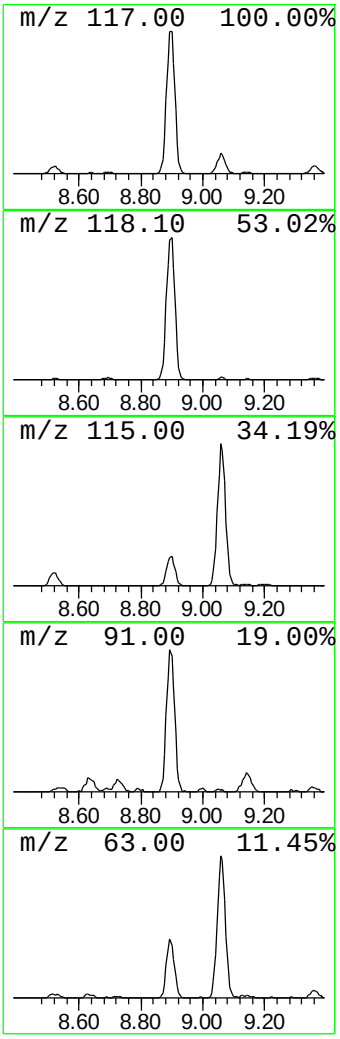
****

Peak Number 1 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	41.99 ng/ul	546942	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64





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Sample : I3625-13 25X
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Instrument : BNA_G
ClientSampleId : F5C80

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

TIC Library : C:\DATABASE\NIST11.L
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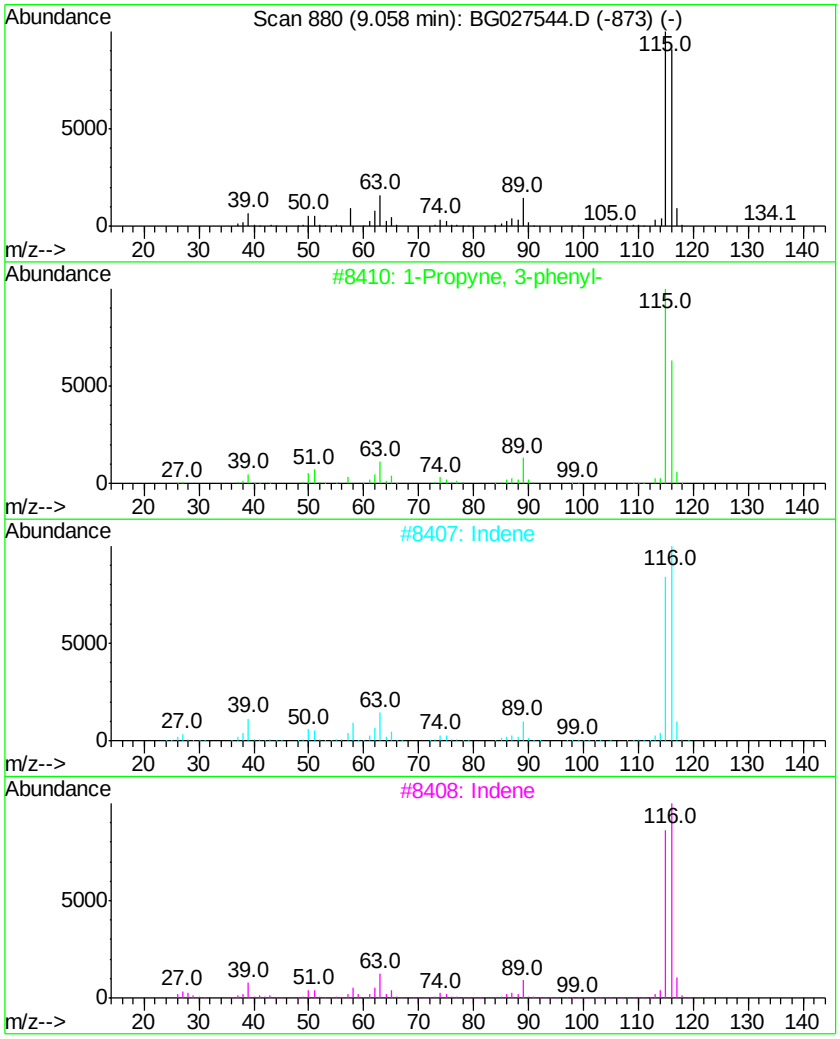
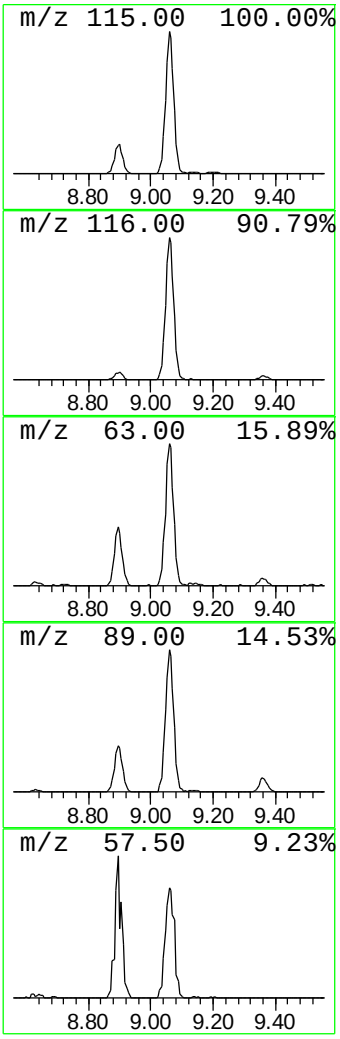
****

Peak Number 2 1-Propyne, 3-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	66.21 ng/ul	862518	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
5	Indene	116	C9H8	000095-13-6	93





Library Search Compound Report

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

TIC Library : C:\DATABASE\NIST11.L
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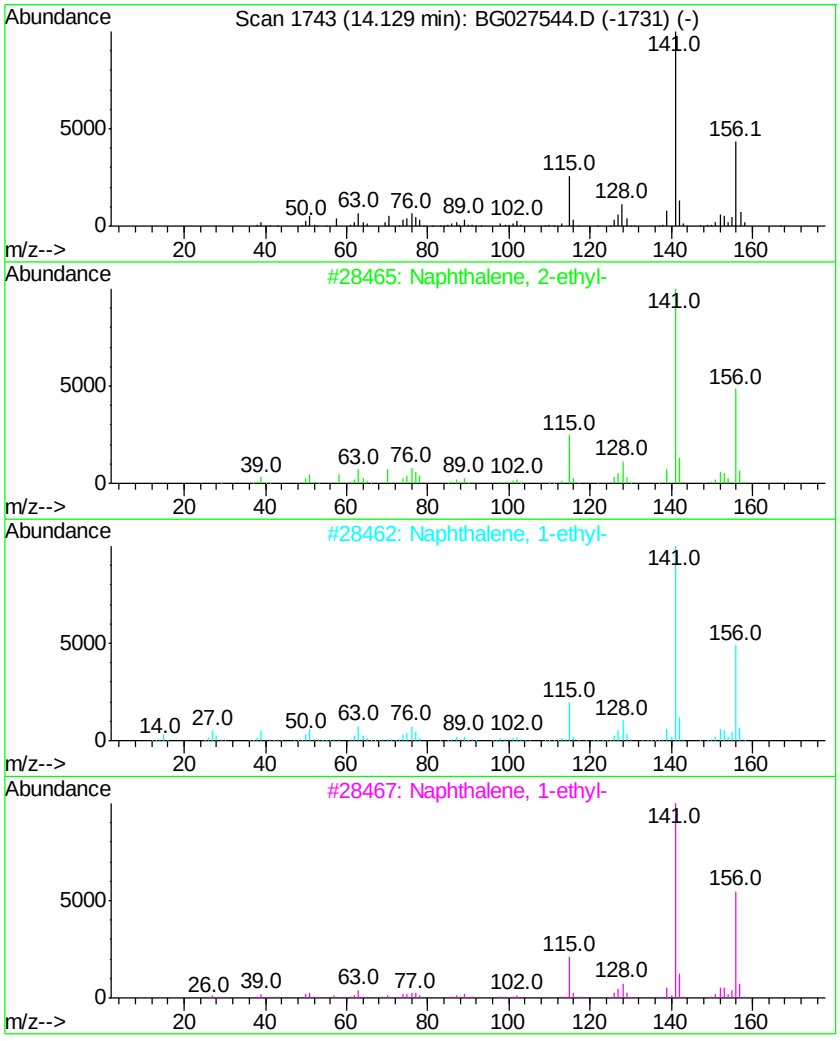
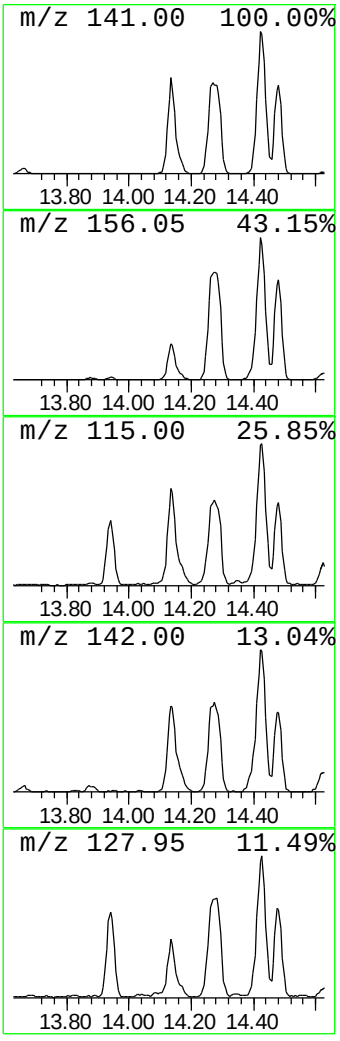
Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	40.50 ng/ul	867275	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





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Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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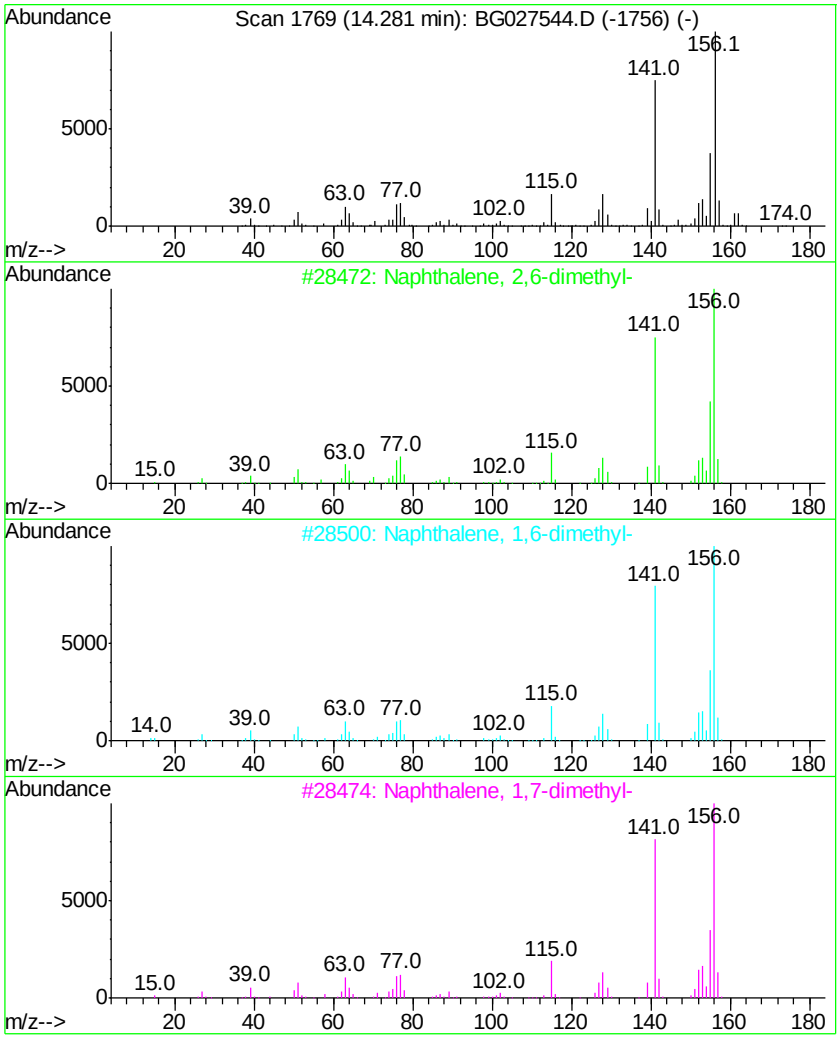
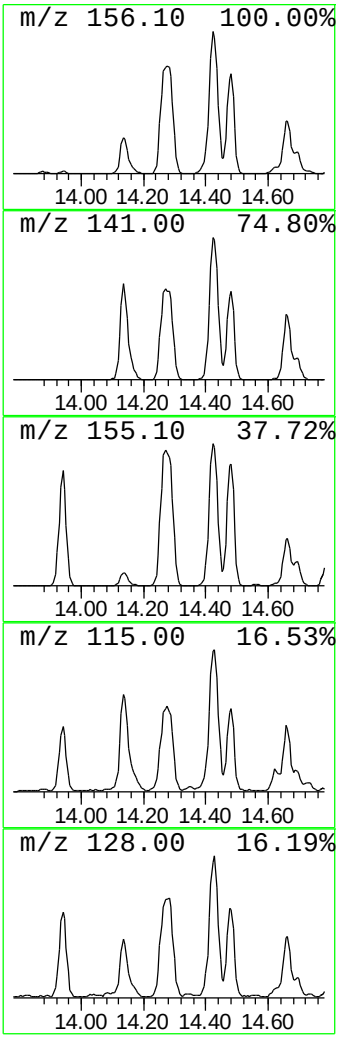
Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	91.10 ng/ul	1950930	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Data File : BG027544.D
Acq On : 20 Jun 2017 00:56
Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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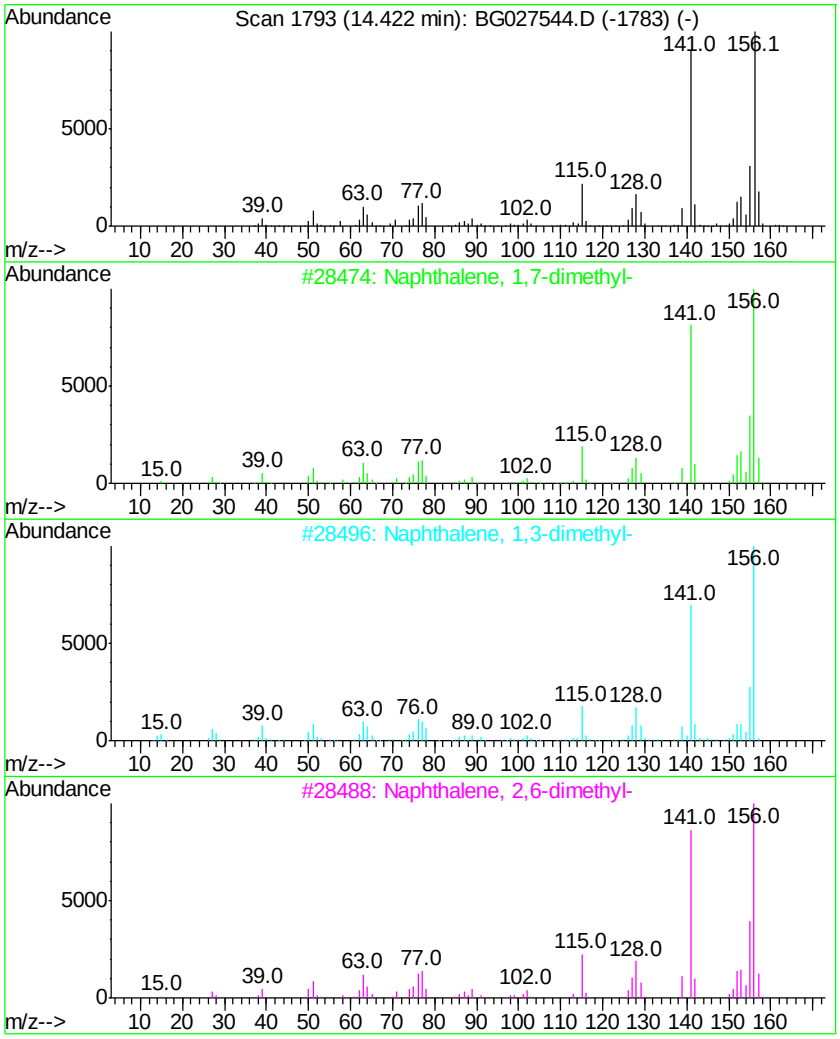
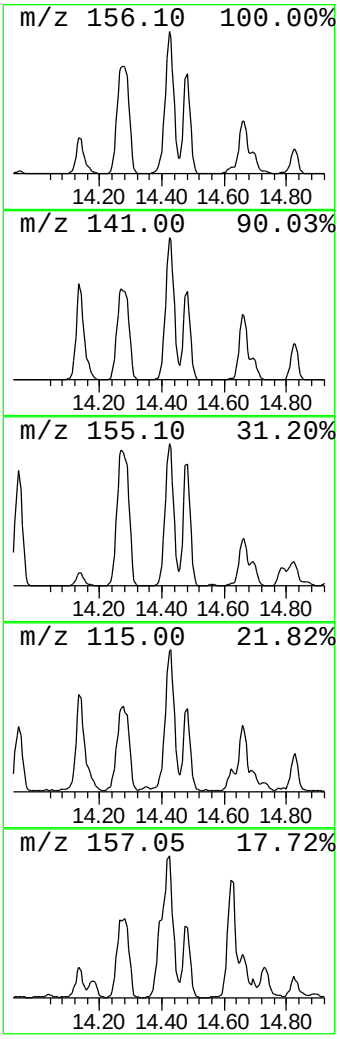
Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	92.07 ng/ul	1971790	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Acq On : 20 Jun 2017 00:56
Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

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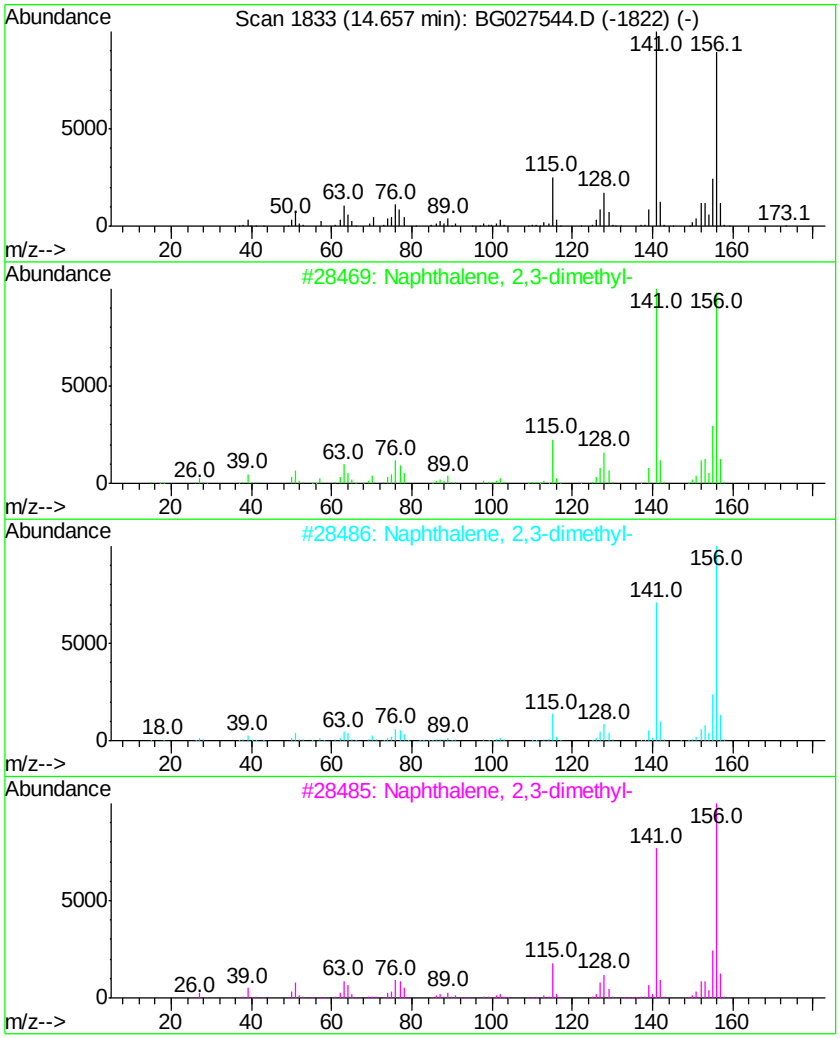
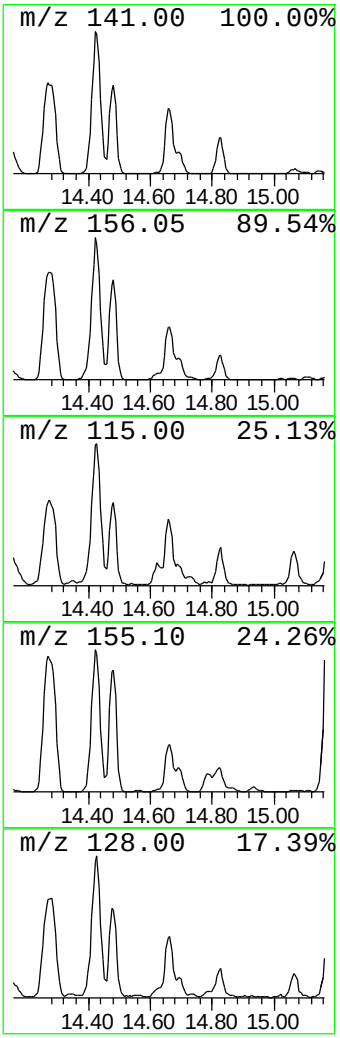
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	46.31 ng/ul	991848	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Library Search Compound Report

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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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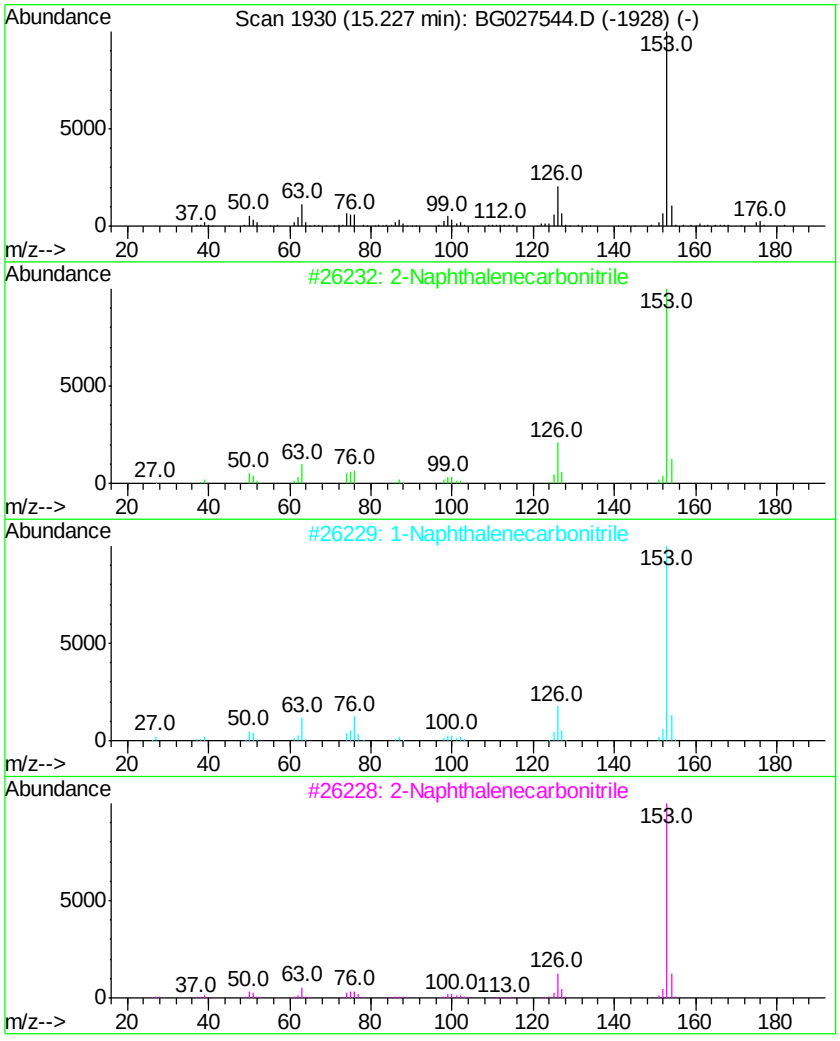
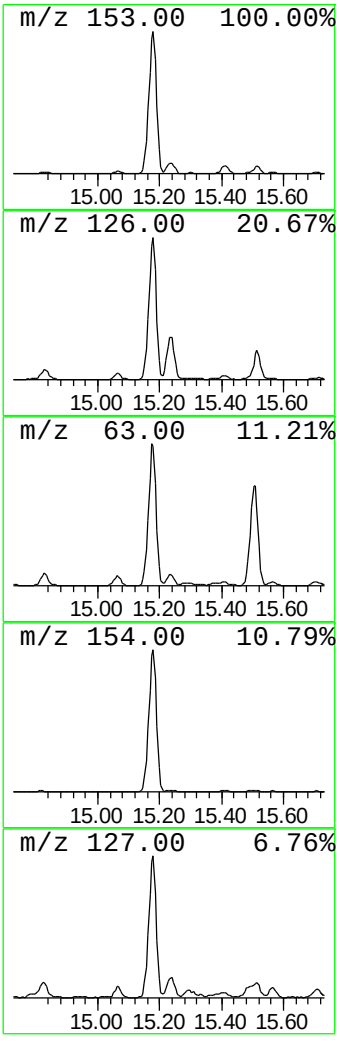
Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	13.12 ng/ul	281071	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	83





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

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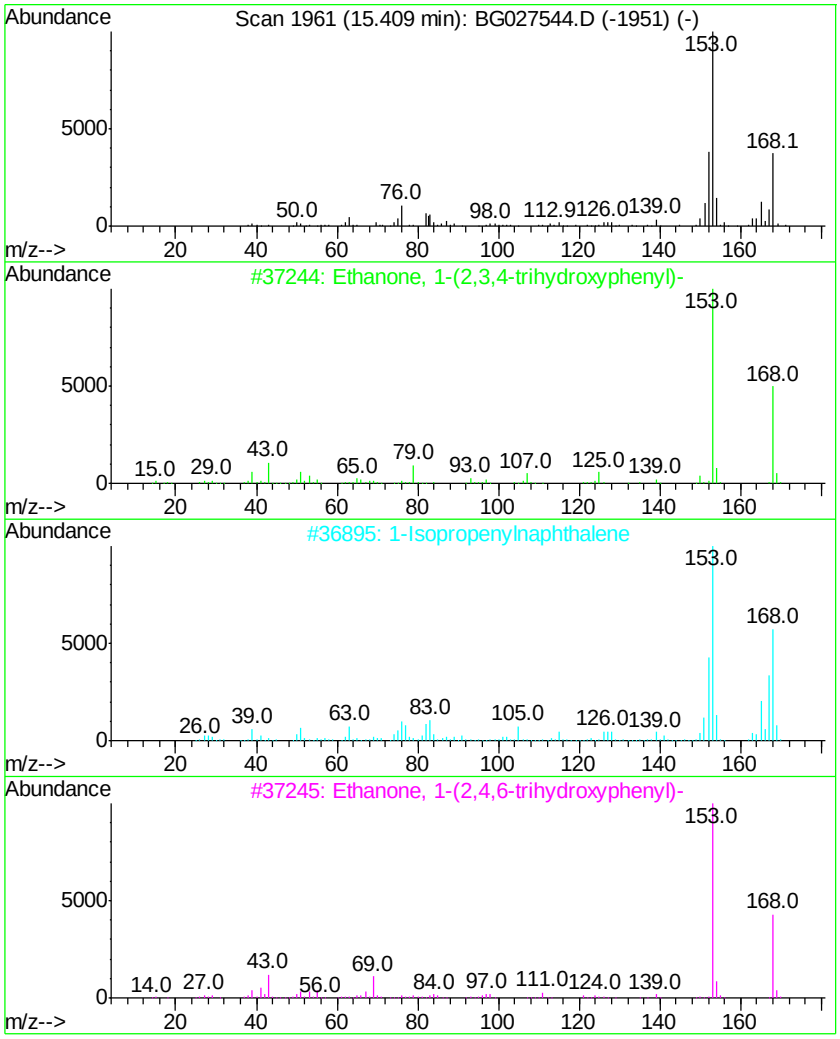
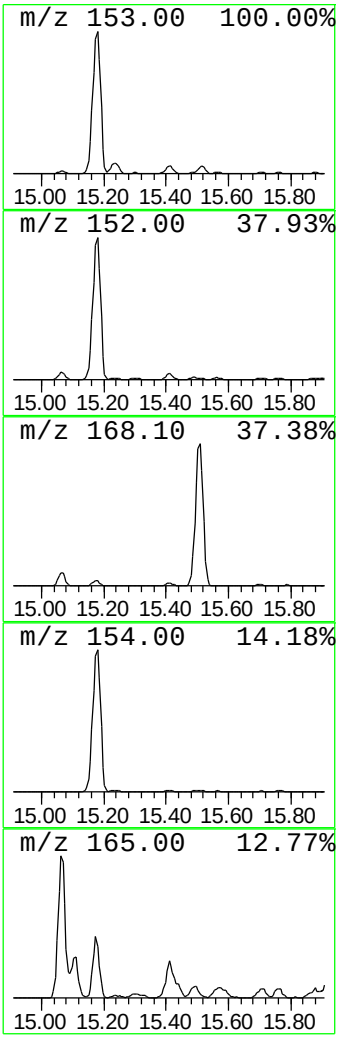
Peak Number 9 Ethanone, 1-(2,3,4-trihydro... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	21.07 ng/ul	451303	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	52
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	52
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	47





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Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

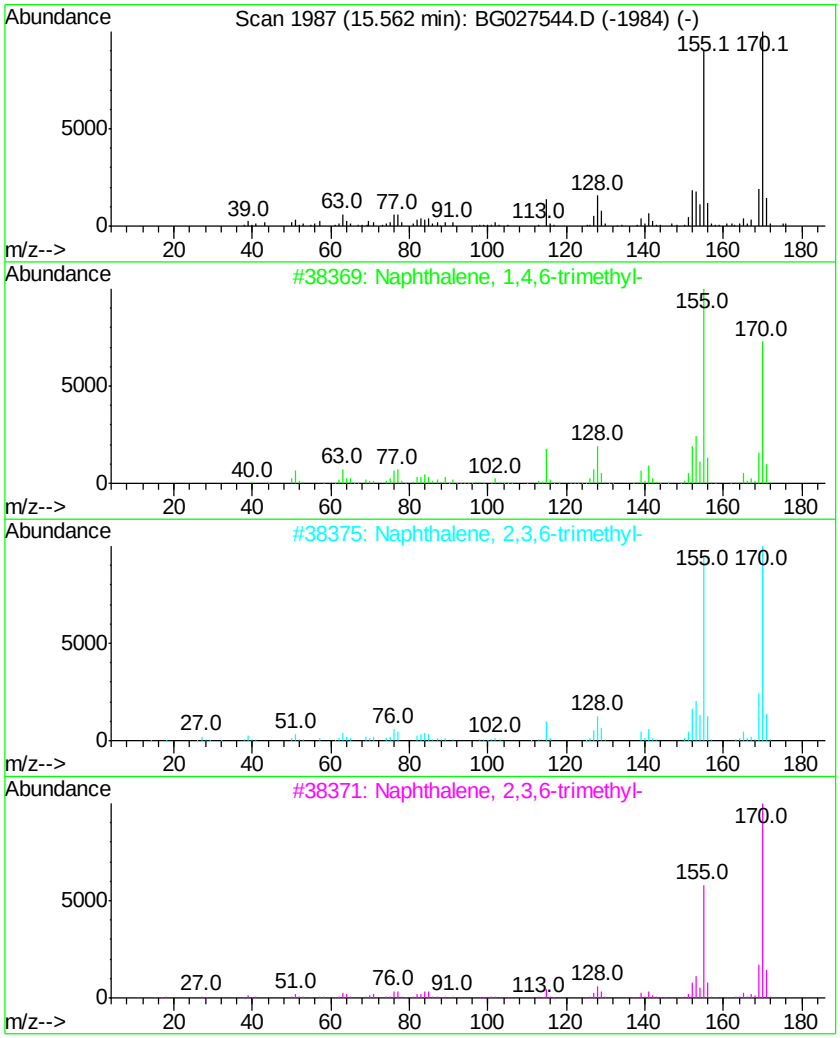
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

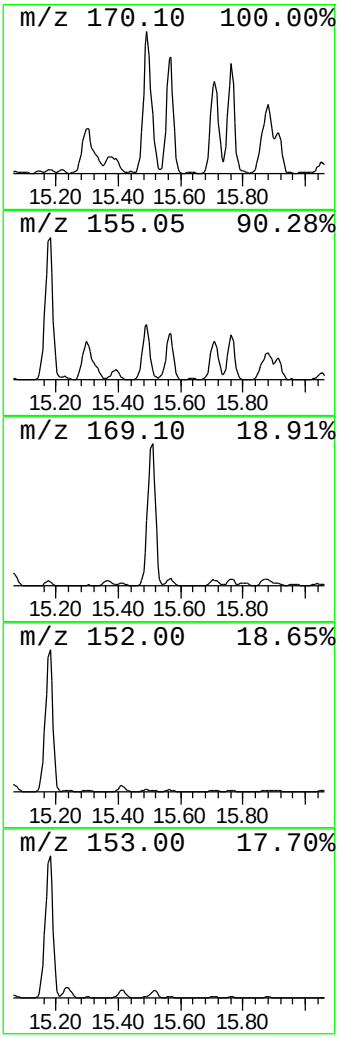
****

Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	16.05 ng/ul	343703	Acenaphthene-d10	15.10

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





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Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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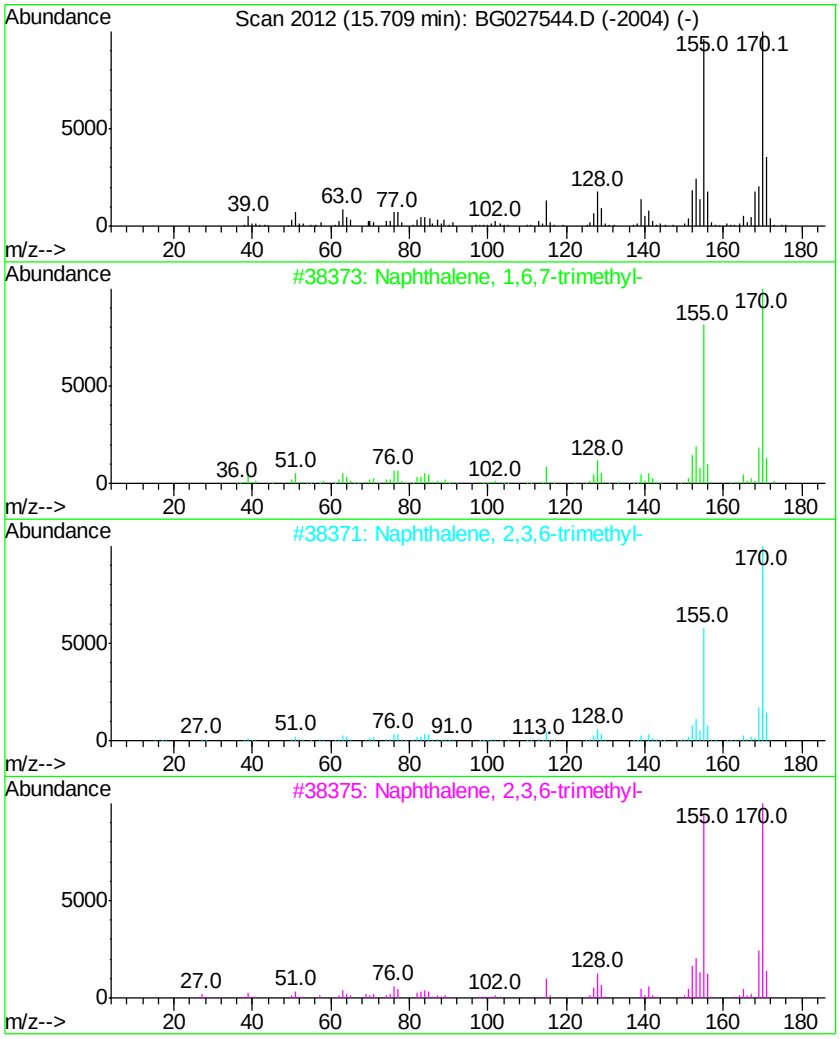
Quant Title : SVOA CALIBRATION

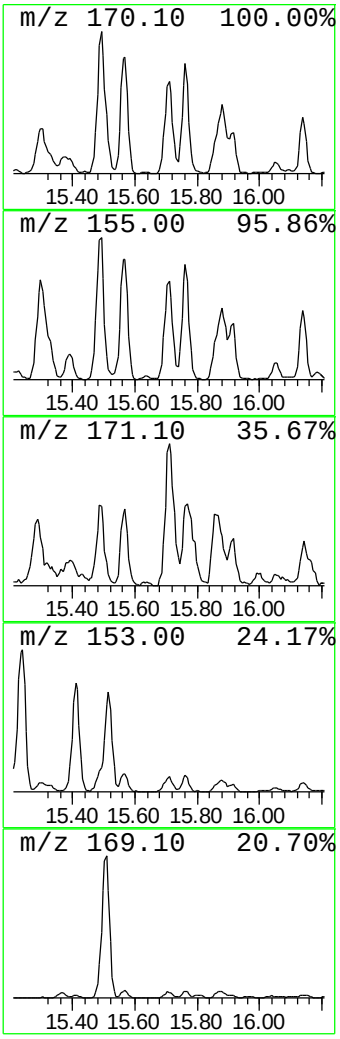
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	19.72 ng/ul	422372	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

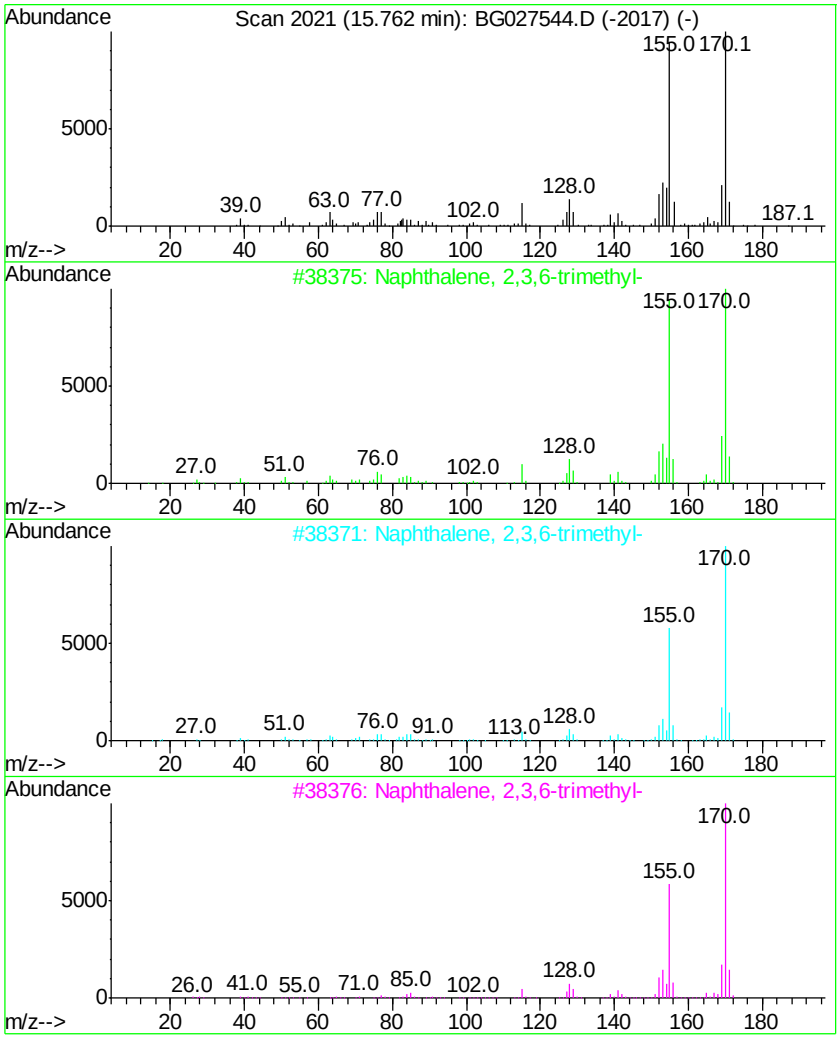
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

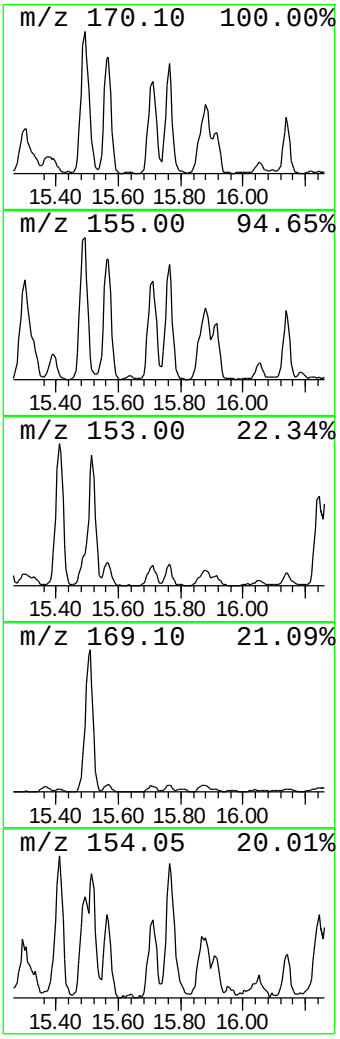
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	17.33 ng/ul	371121	Acenaphthene-d10	15.10

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





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Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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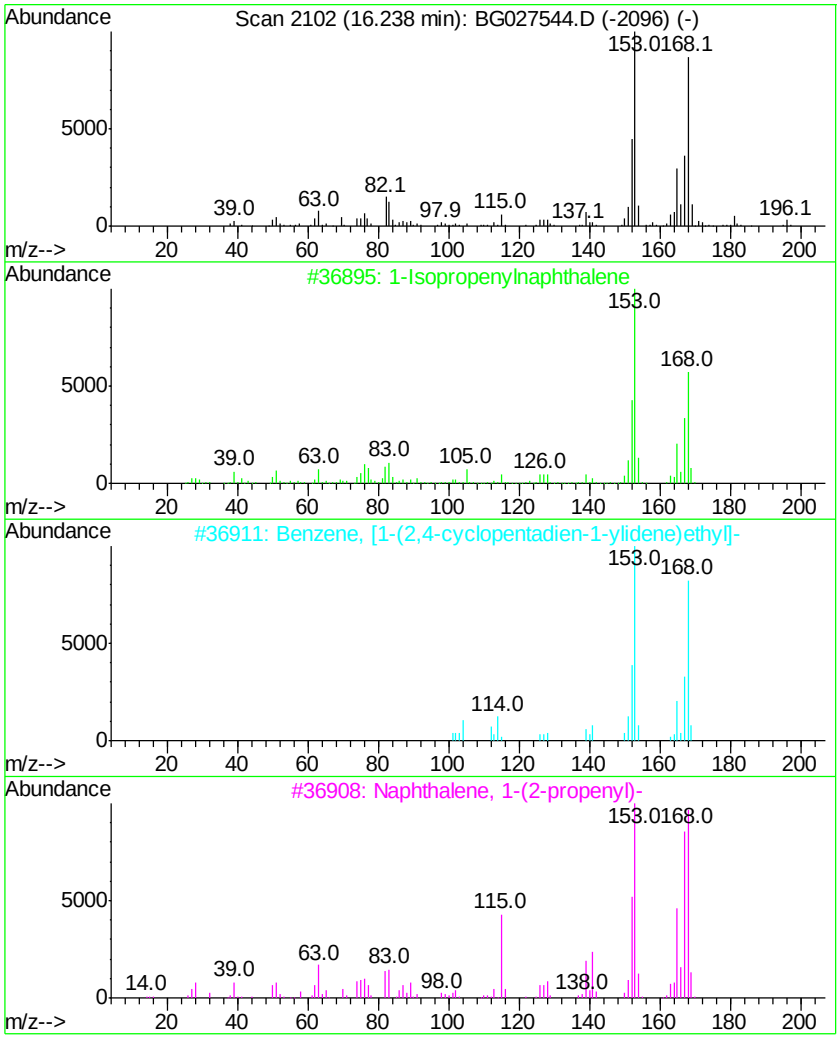
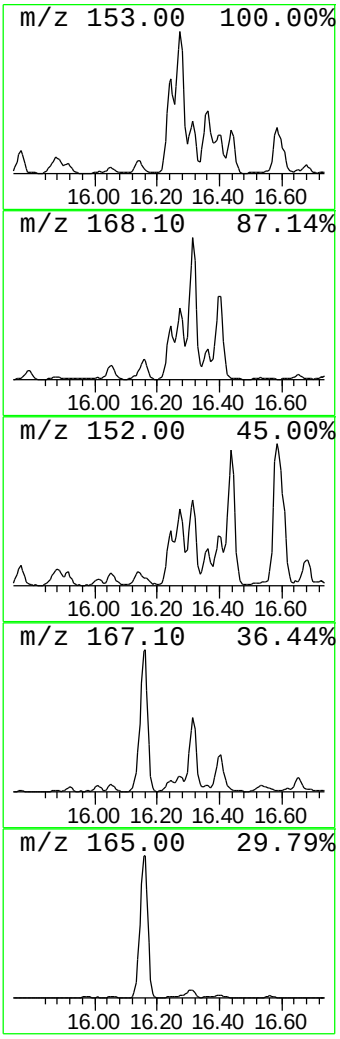
Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	17.83 ng/ul	381895	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
5	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	47





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

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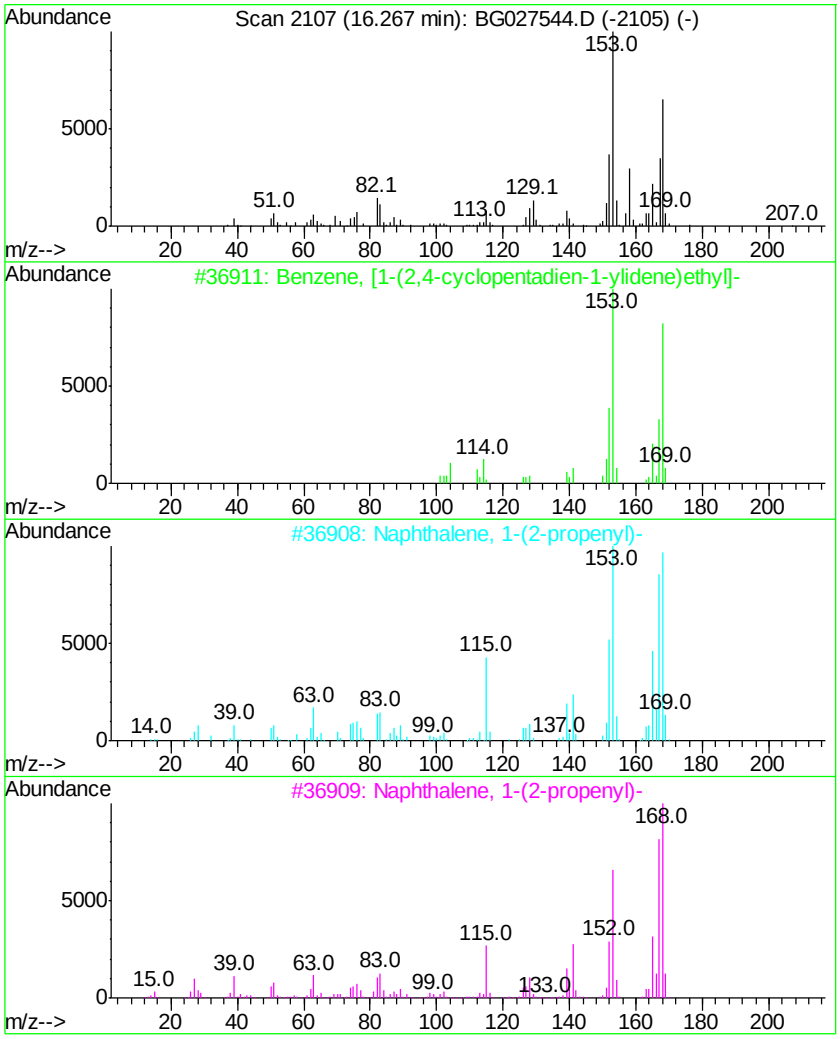
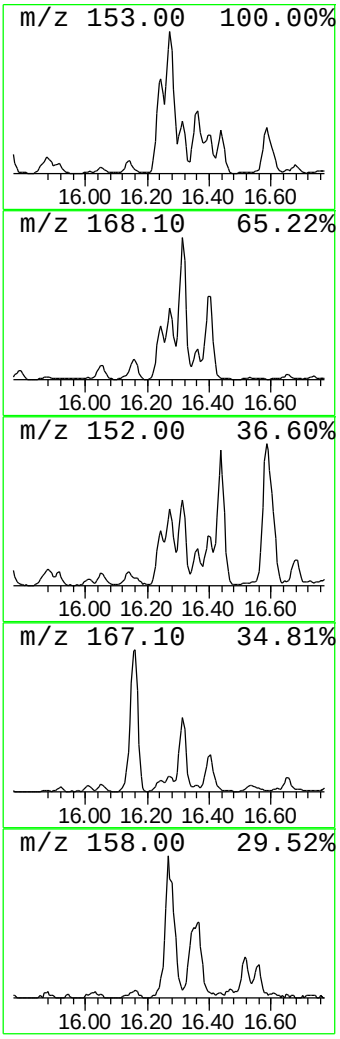
Peak Number 15 Benzene, [1-(2,4-cyclopenta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	26.36 ng/ul	564575	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53





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Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

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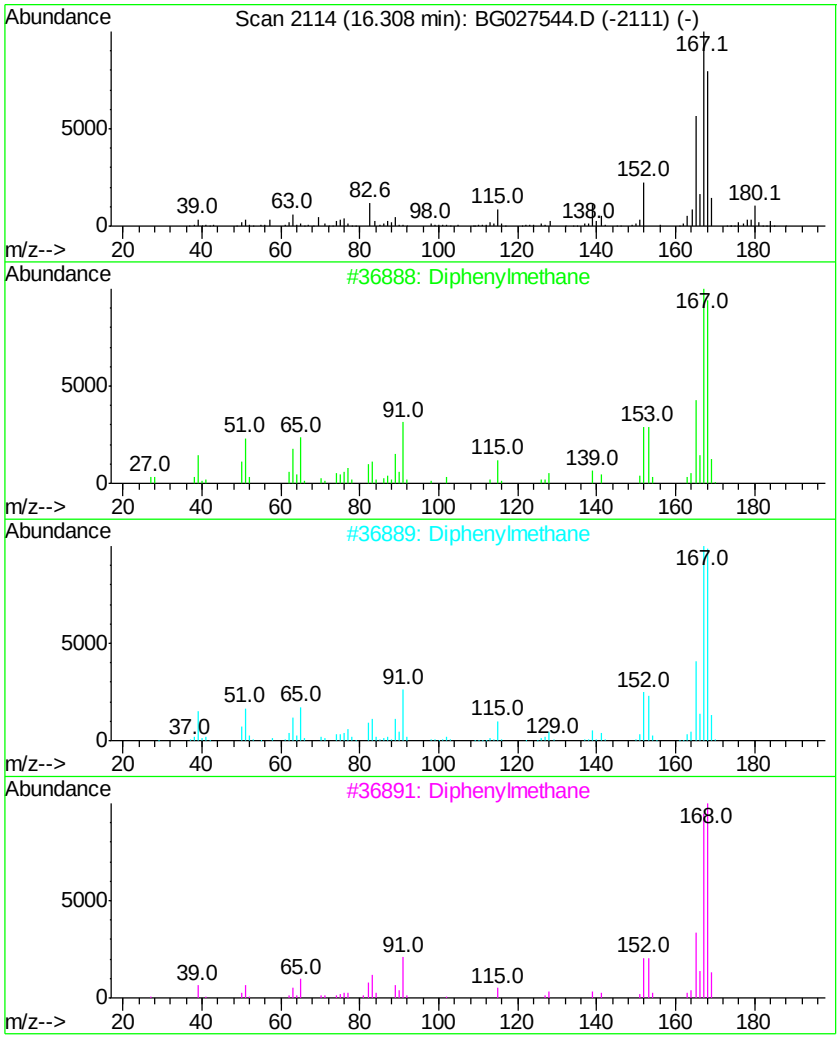
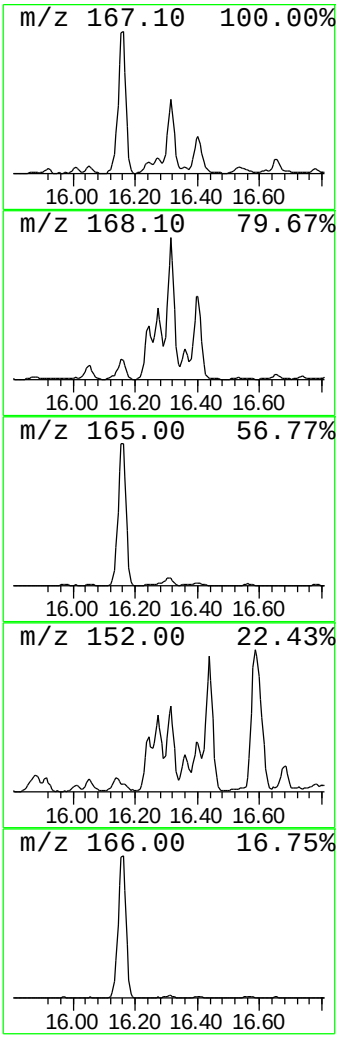
Peak Number 16 Diphenylmethane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	43.98 ng/ul	941811	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	90
2	Diphenylmethane	168	C13H12	000101-81-5	87
3	Diphenylmethane	168	C13H12	000101-81-5	87
4	Diphenylmethane	168	C13H12	000101-81-5	83
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83





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Quant Title : SVOA CALIBRATION

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

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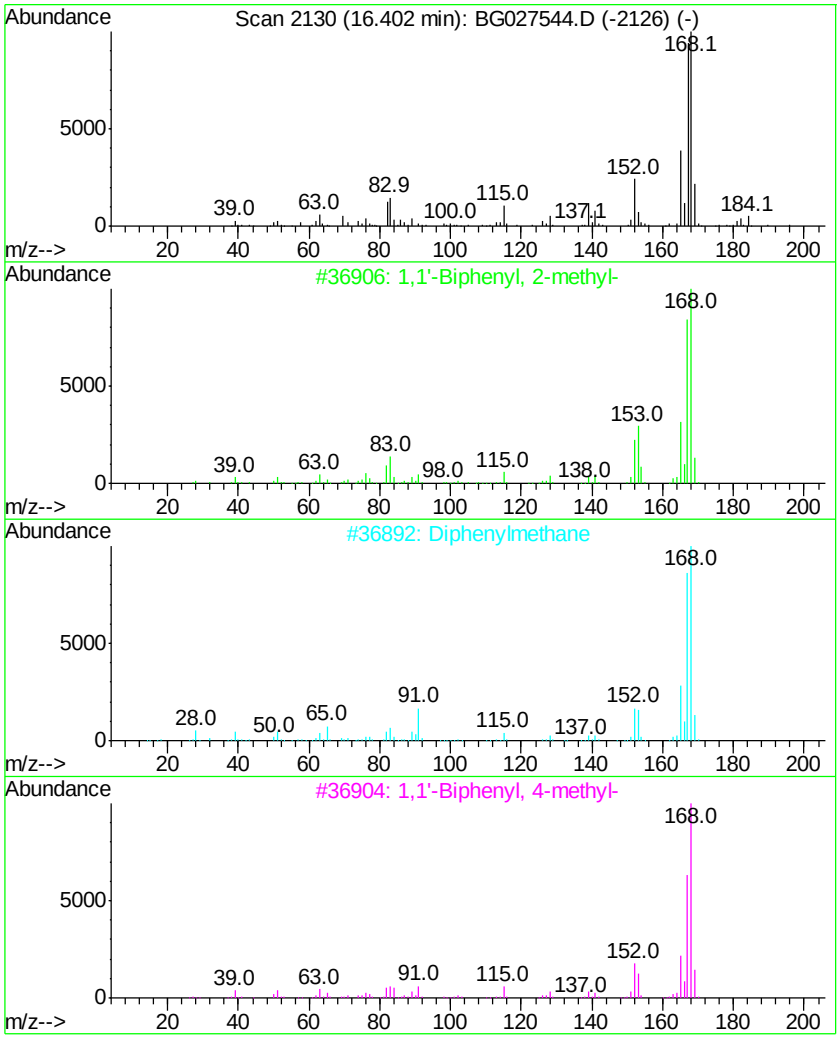
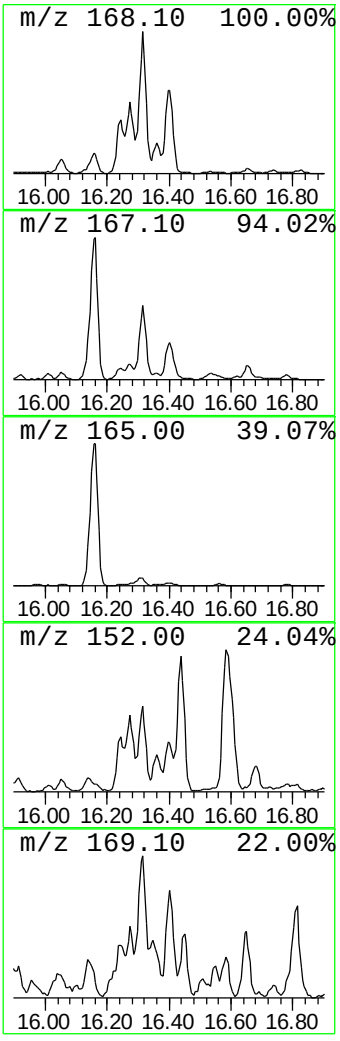
Peak Number 18 1,1'-Biphenyl, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	21.96 ng/ul	470375	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	59
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	59
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

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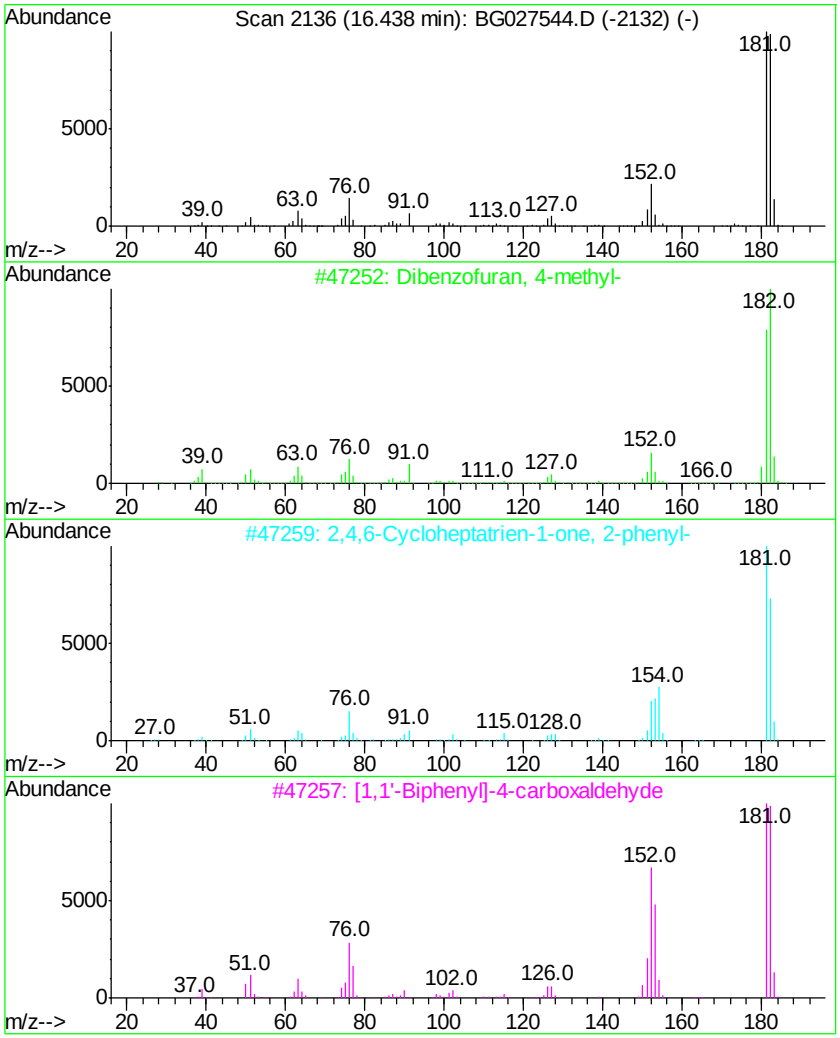
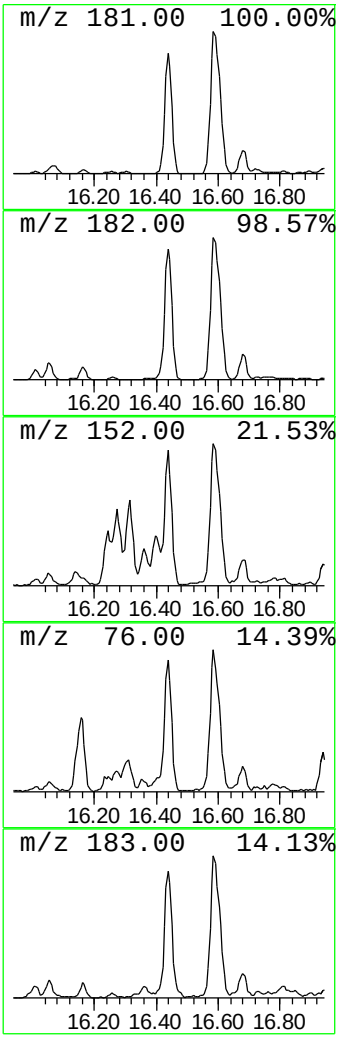
Peak Number 19 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	54.07 ng/ul	1157990	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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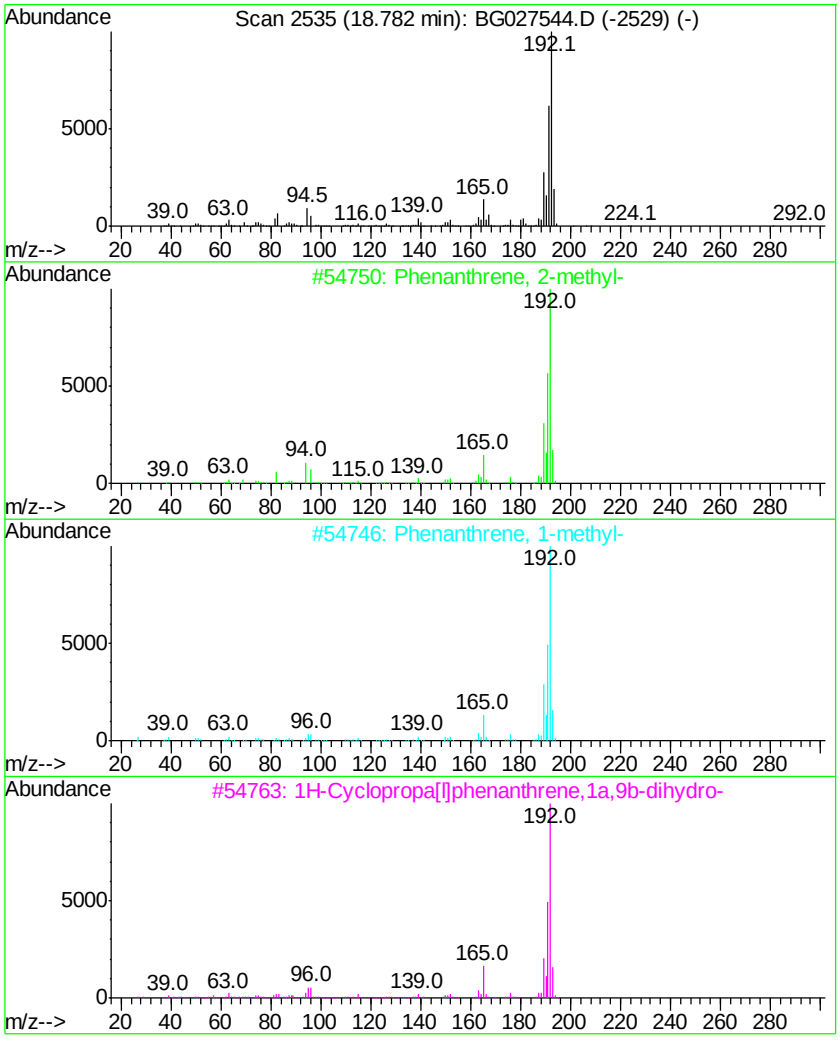
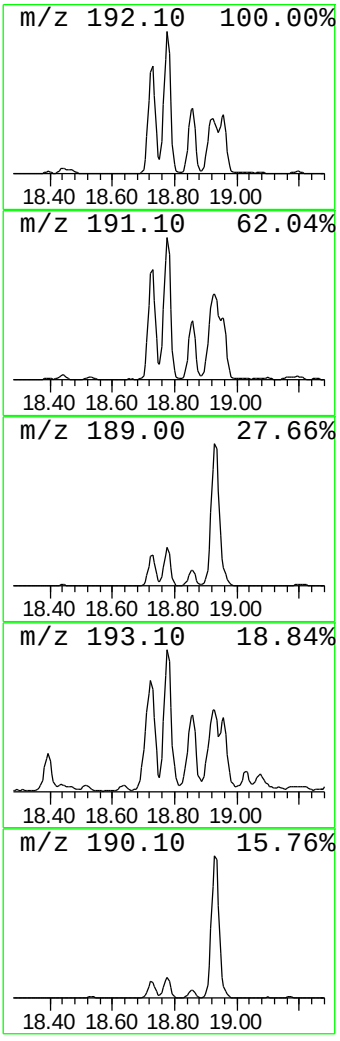
Peak Number 20 Phenanthrene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	2.24 ng/ul	2393870	Phenanthrene-d10	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

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Data File : BG027544.D
Acq On : 20 Jun 2017 00:56
Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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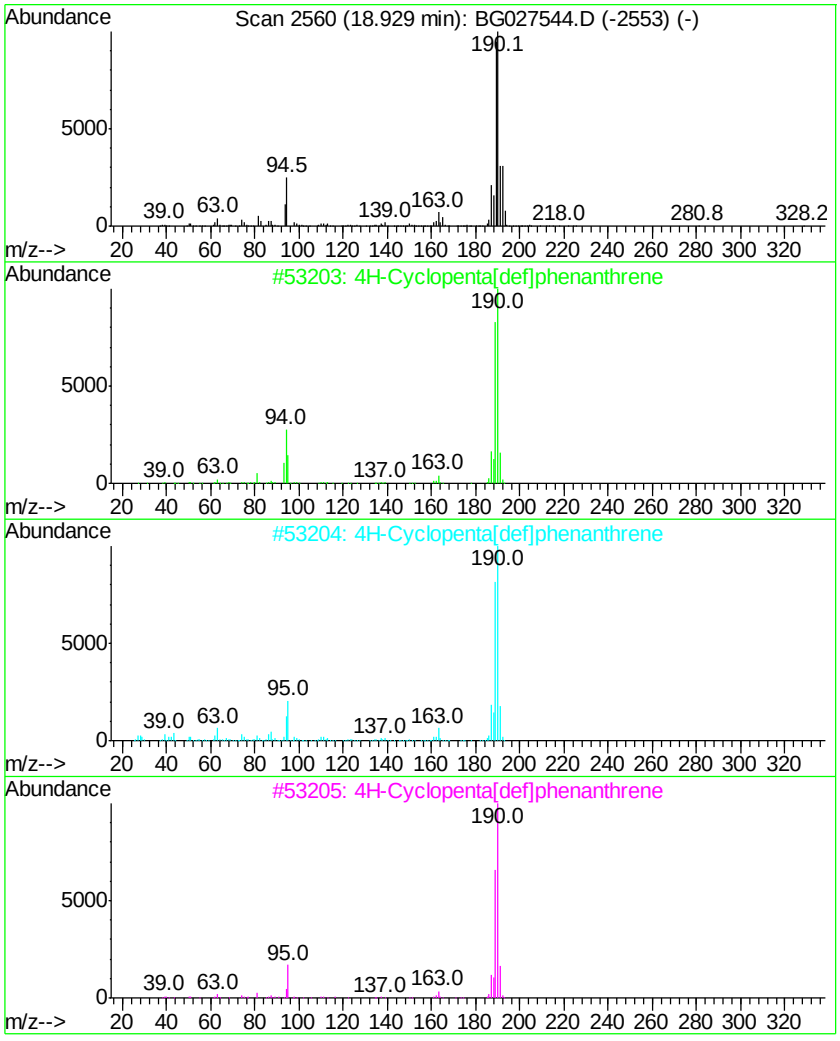
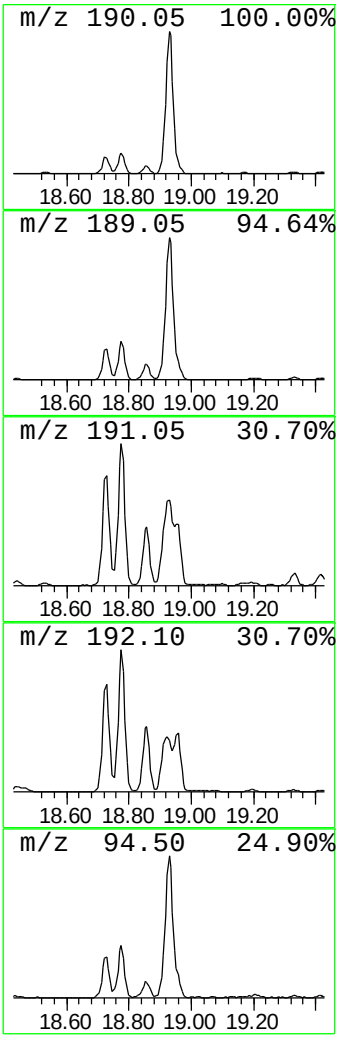
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.98 ng/ul	4244870	Phenanthrene-d10	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

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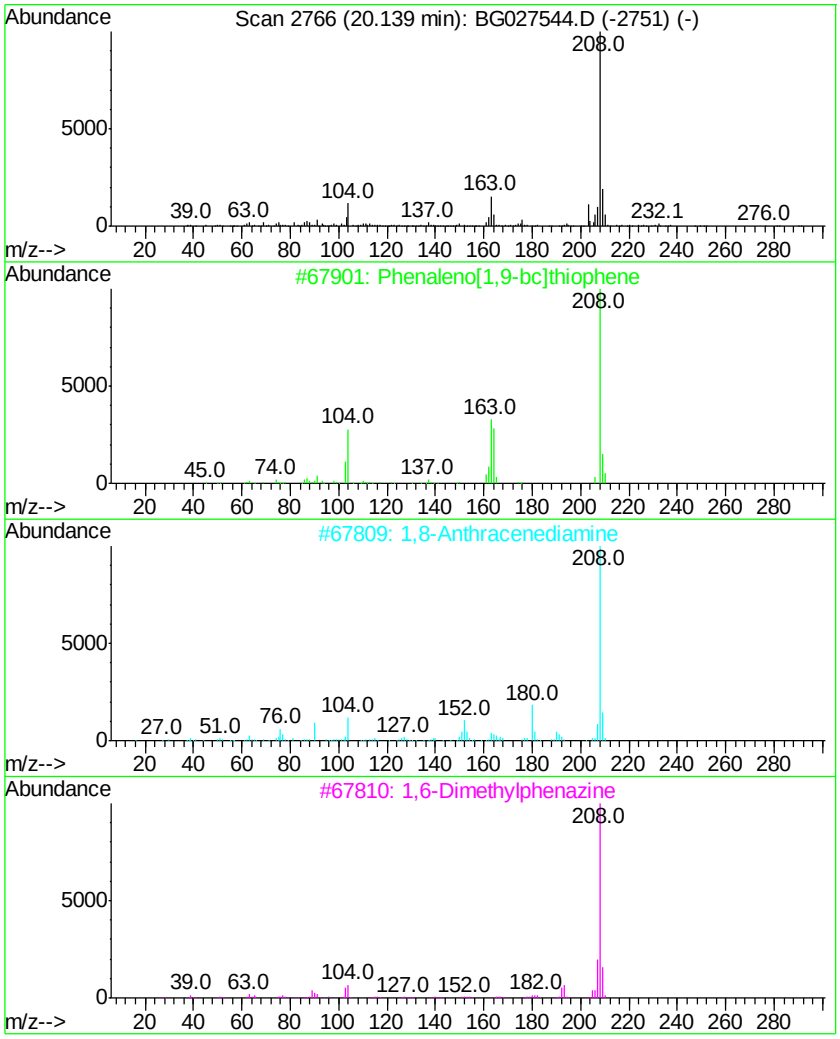
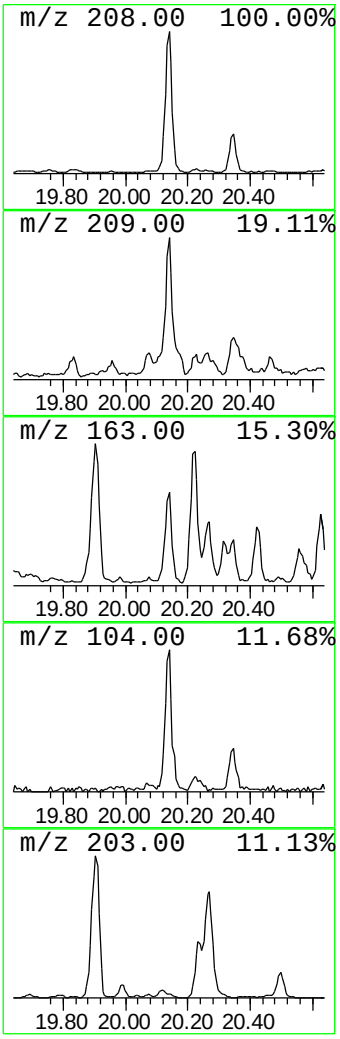
Peak Number 22 Phenaleno[1,9-bc]thiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	3.60 ng/ul	924932	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	72
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
3	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	64
4	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
5	1H-Indazole, 6-methyl-1-phenyl-	208	C14H12N2	1000305-65-6	59





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Sample : I3625-13 25X
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ALS Vial : 23 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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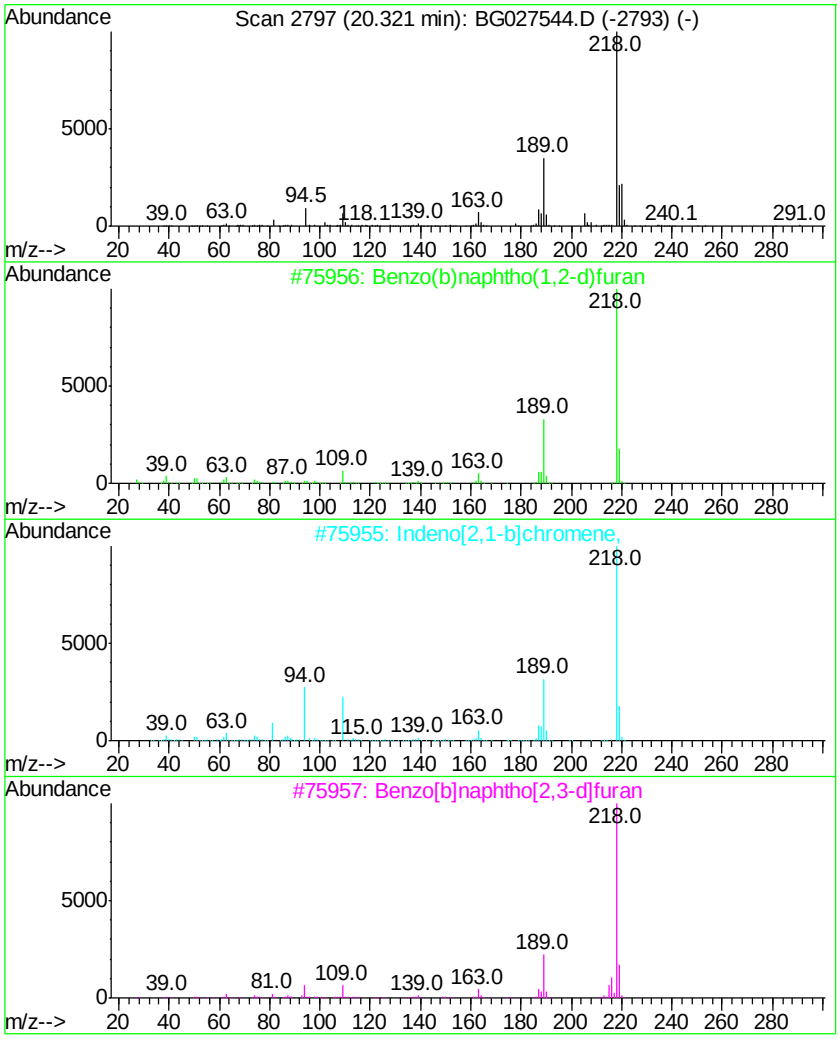
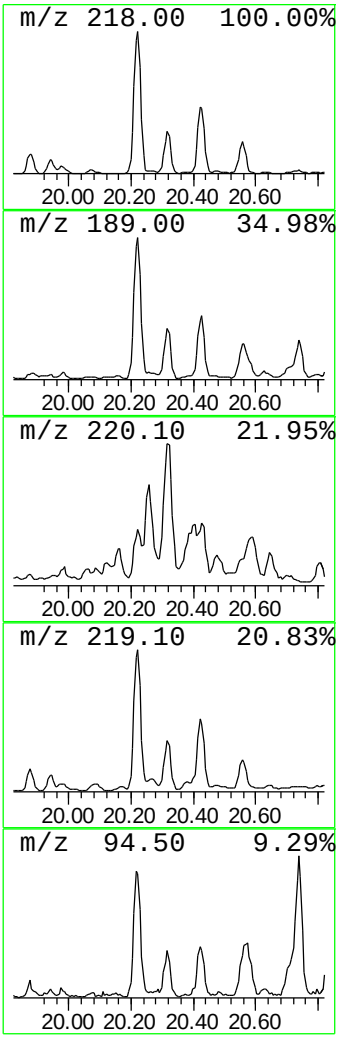
Peak Number 23 Benzo(b)naphtho(1,2-d)furan Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.11 ng/ul	541312	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	89
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	81
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	81





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Sample : I3625-13 25X
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ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

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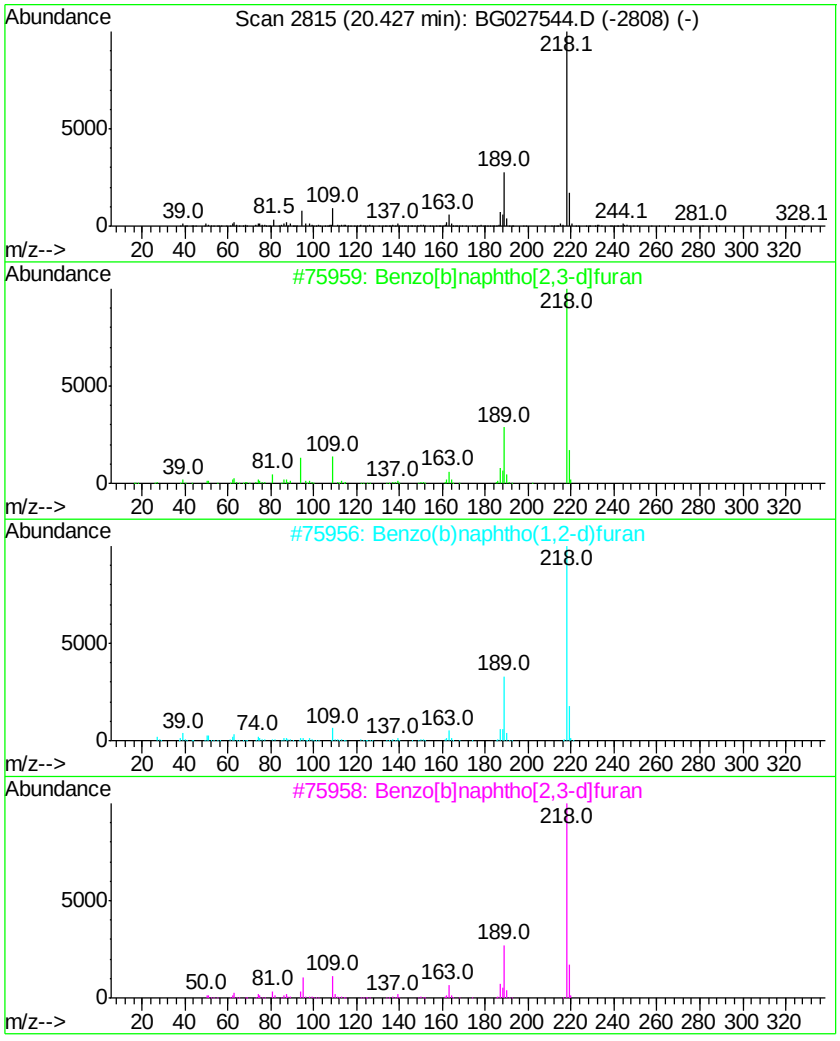
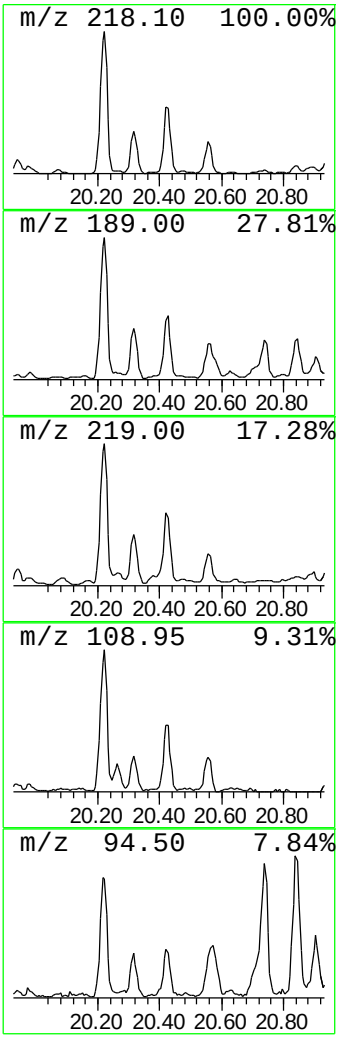
Peak Number 24 Benzo[b]naphtho[2,3-d]furan Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.10 ng/ul	539798	Chrysene-d12	22.24

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





Library Search Compound Report

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Misc :
ALS Vial : 23 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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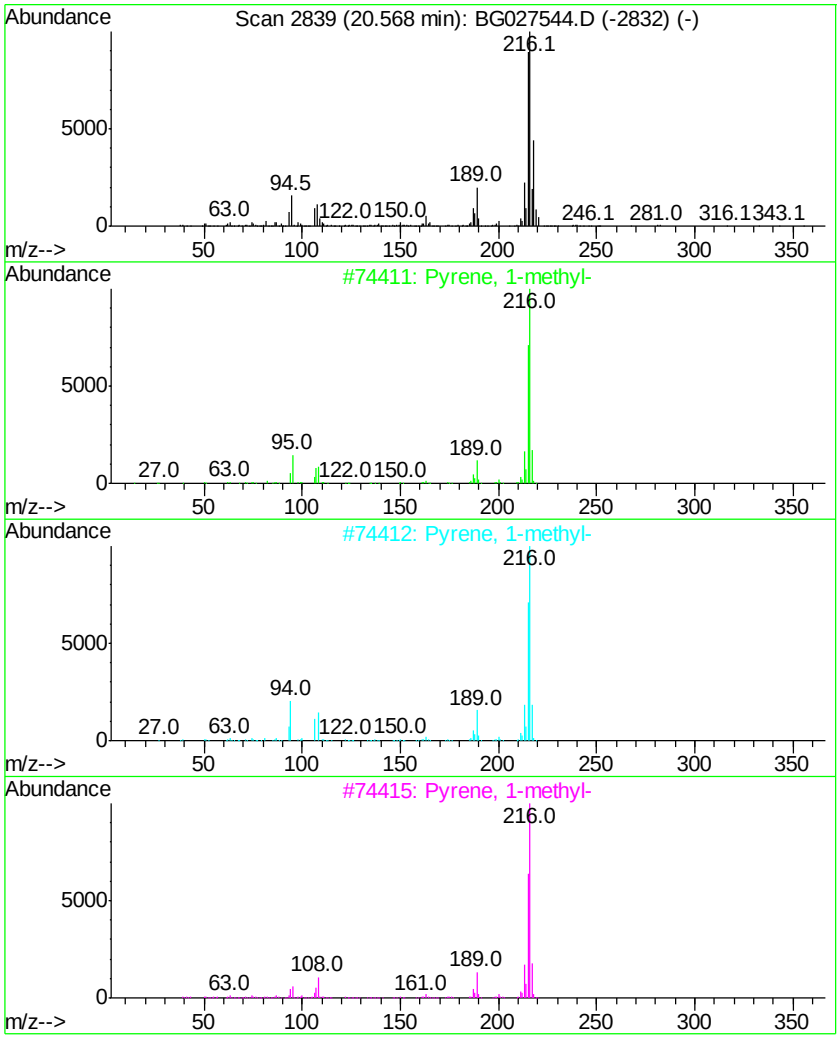
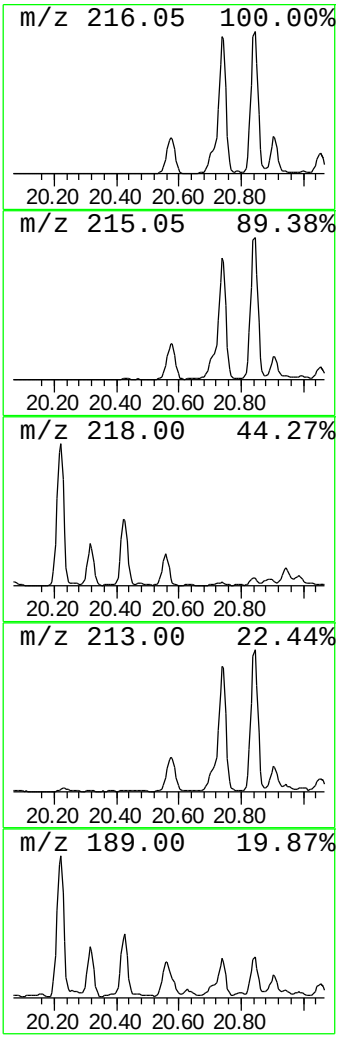
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	3.75 ng/ul	961704	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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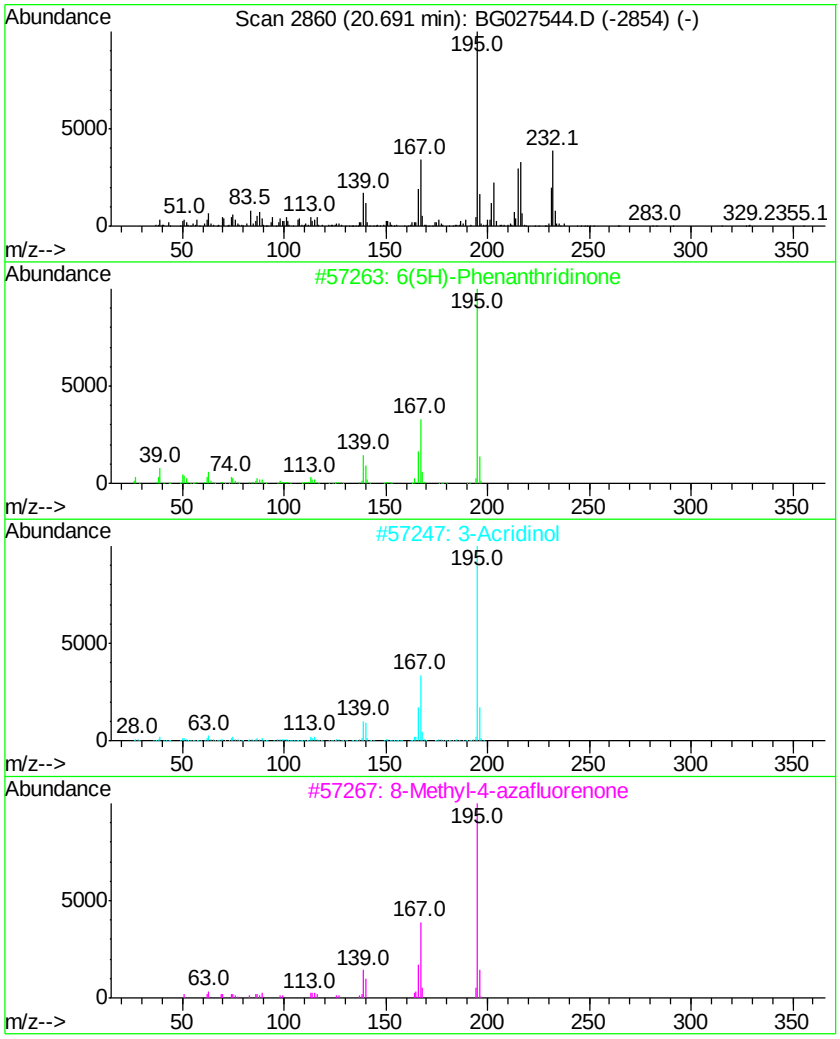
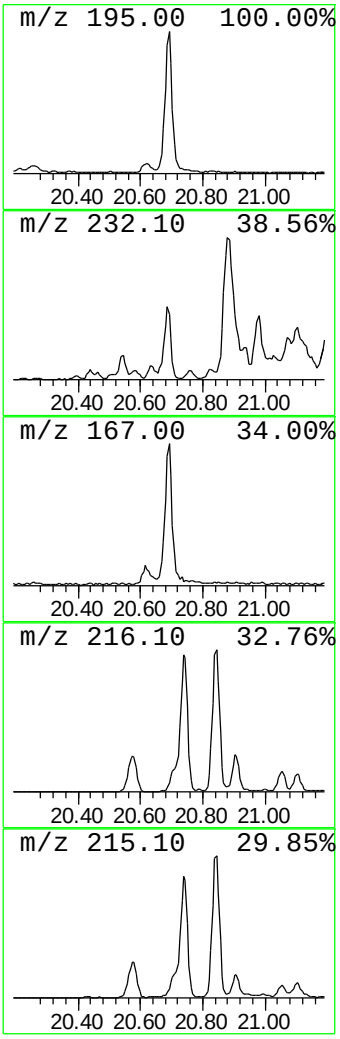
Peak Number 26 6(5H)-Phenanthridinone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	3.22 ng/ul	826356	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	95
2	3-Acridinol	195	C13H9NO	007132-70-9	90
3	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	86
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	64
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	64





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Sample : I3625-13 25X
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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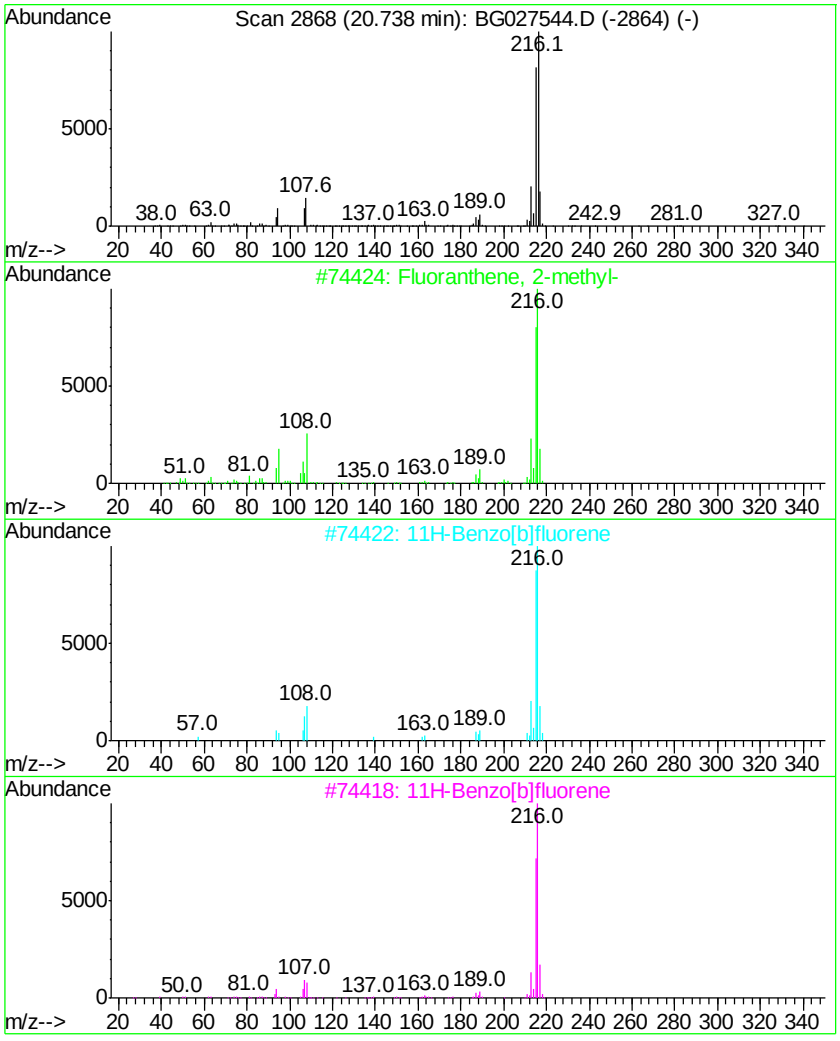
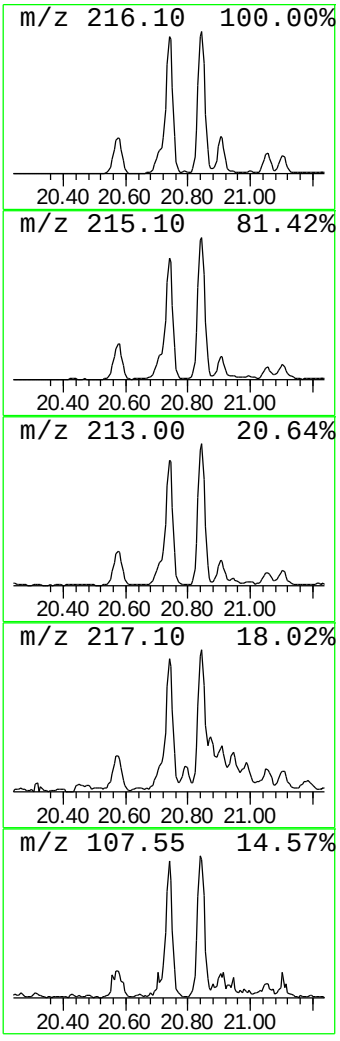
Peak Number 27 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	7.36 ng/ul	1890350	Chrysene-d12	22.24

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





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Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C80

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

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

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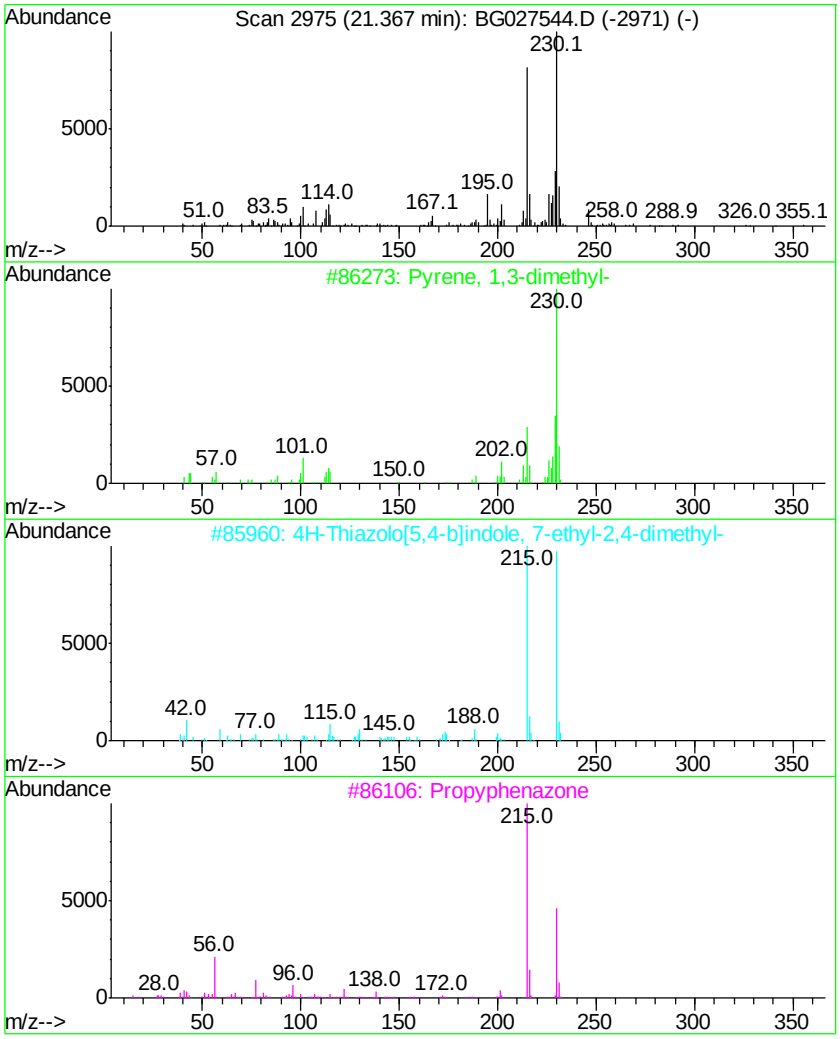
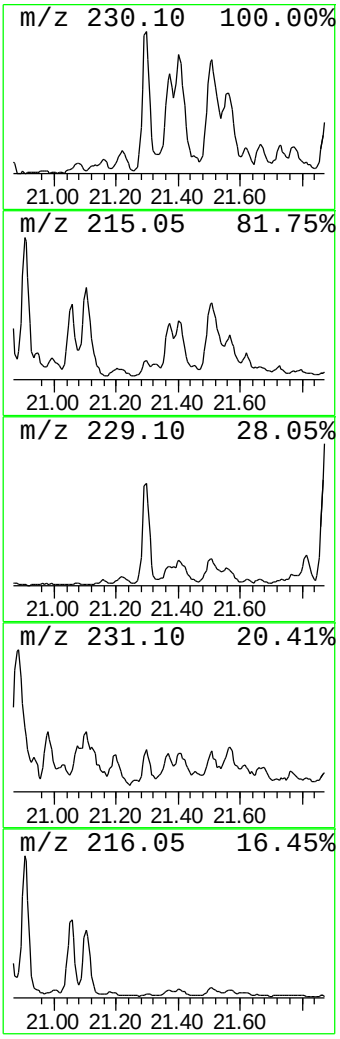
Peak Number 30 Pyrene, 1,3-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.41 ng/ul	618834	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	70
2	4H-Thiazolo[5,4-b]indole, 7-ethy...	230	C13H14N2S	1000304-41-6	53
3	Propyphenazone	230	C14H18N2O	000479-92-5	53
4	5-Amino-2-ethyl-1-pentyl-1,2-dih...	257	C14H19N5	1000326-96-0	53
5	o-Terphenyl	230	C18H14	000084-15-1	50





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Quant Title : SVOA CALIBRATION

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

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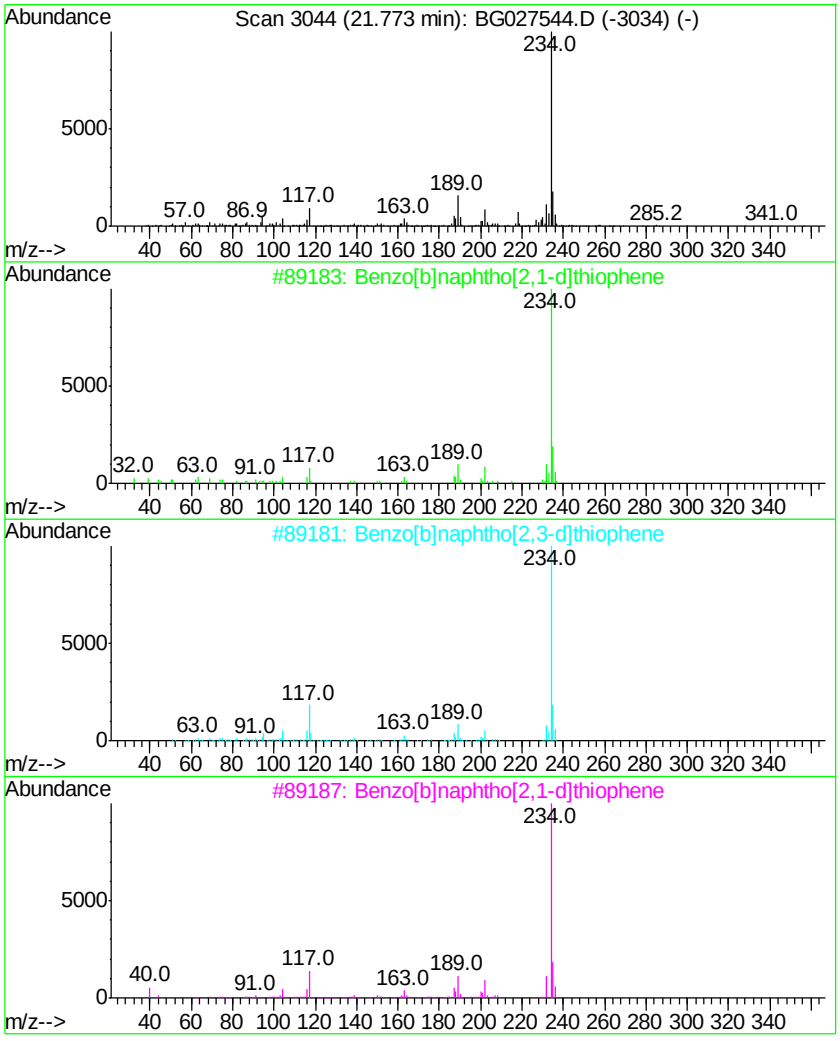
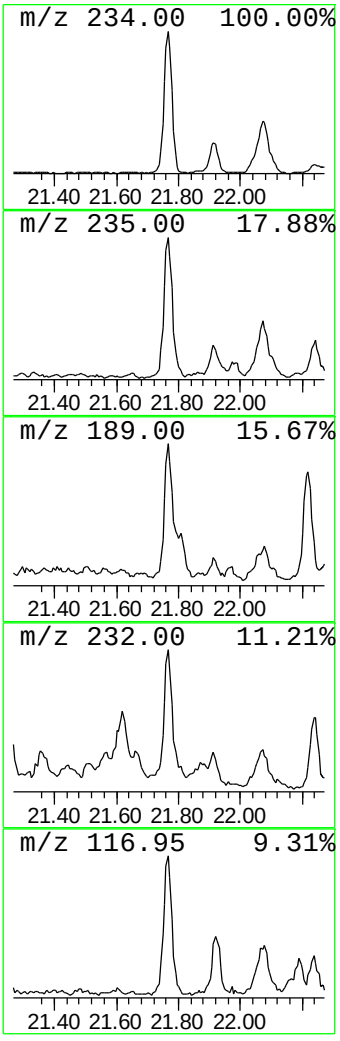
Peak Number 31 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.66 ng/ul	684101	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





Tentatively Identified Compound (LSC) summary

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Data File : BG027544.D
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Operator : SJ/MA
Sample : I3625-13 25X
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Instrument : BNA_G
ClientSampleId : F5C80

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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	8.89	42.0	ng/ul	546942	1	8.52	260534	20.0
1-Propyne, 3-phenyl-	9.06	66.2	ng/ul	862518	1	8.52	260534	20.0
Naphthalene, 2-et...	14.13	40.5	ng/ul	867275	3	15.10	428307	20.0
Naphthalene, 2,6-...	14.28	91.1	ng/ul	1950930	3	15.10	428307	20.0
Naphthalene, 1,7-...	14.42	92.1	ng/ul	1971790	3	15.10	428307	20.0
Naphthalene, 2,3-...	14.66	46.3	ng/ul	991848	3	15.10	428307	20.0
2-Naphthalenecarb...	15.23	13.1	ng/ul	281071	3	15.10	428307	20.0
Ethanone, 1-(2,3,...	15.41	21.1	ng/ul	451303	3	15.10	428307	20.0
Naphthalene, 1,4,...	15.56	16.1	ng/ul	343703	3	15.10	428307	20.0
Naphthalene, 1,6,...	15.71	19.7	ng/ul	422372	3	15.10	428307	20.0
Naphthalene, 2,3,...	15.76	17.3	ng/ul	371121	3	15.10	428307	20.0
1-Isopropenylnaph...	16.24	17.8	ng/ul	381895	3	15.10	428307	20.0
Benzene, [1-(2,4-...	16.27	26.4	ng/ul	564575	3	15.10	428307	20.0
Diphenylmethane	16.31	44.0	ng/ul	941811	3	15.10	428307	20.0
1,1'-Biphenyl, 2-...	16.40	22.0	ng/ul	470375	3	15.10	428307	20.0
Dibenzofuran, 4-m...	16.44	54.1	ng/ul	1157990	3	15.10	428307	20.0
Phenanthrene, 2-m...	18.78	2.2	ng/ul	2393870	4	17.87	21348800	20.0
4H-Cyclopenta[def...	18.93	4.0	ng/ul	4244870	4	17.87	21348800	20.0
Phenaleno[1,9-bc]...	20.14	3.6	ng/ul	924932	5	22.24	5135420	20.0
Benzo(b)naphtho(1...	20.32	2.1	ng/ul	541312	5	22.24	5135420	20.0
Benzo[b]naphtho[2...	20.43	2.1	ng/ul	539798	5	22.24	5135420	20.0
Pyrene, 1-methyl-	20.57	3.8	ng/ul	961704	5	22.24	5135420	20.0
6(5H)-Phenanthrid...	20.69	3.2	ng/ul	826356	5	22.24	5135420	20.0
Fluoranthene, 2-m...	20.74	7.4	ng/ul	1890350	5	22.24	5135420	20.0
Pyrene, 1,3-dimet...	21.37	2.4	ng/ul	618834	5	22.24	5135420	20.0
Benzo[b]naphtho[2...	21.77	2.7	ng/ul	684101	5	22.24	5135420	20.0