LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027545.D
Acq On : 20 Jun 2017 1:36
Operator : SJ/MA
Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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	8.517	779	788	799	rVB	130568	243970	1.12%	0.192%
2	9.058	874	880	889	rBV	89141	170563	0.78%	0.135%
3	11.420	1261	1282	1292	rVV	8130608	21790743	100.00%	17.185%
4	11.520	1292	1299	1311	rVV	224820	454390	2.09%	0.358%
5	12.959	1532	1544	1553	rVB	2119736	3667258	16.83%	2.892%
6	13.177	1570	1581	1588	rVB	1018618	1801467	8.27%	1.421%
7	13.940	1705	1711	1720	rVB	588006	967595	4.44%	0.763%
8	14.134	1731	1744	1756	rVB	216397	475760	2.18%	0.375%
9	14.269	1756	1767	1776	rBV3	377723	1037849	4.76%	0.818%
10	14.422	1784	1793	1798	rVV	520917	1000414	4.59%	0.789%
11	14.475	1798	1802	1809	rVV	345262	591183	2.71%	0.466%
12	14.657	1823	1833	1844	rBV	237344	504813	2.32%	0.398%
13	14.828	1850	1862	1869	rBV4	179362	366633	1.68%	0.289%
14	15.063	1889	1902	1905	rBV	281028	444718	2.04%	0.351%
15	15.104	1905	1909	1914	rVV2	323950	548871	2.52%	0.433%
16	15.174	1914	1921	1927	rVV	2135358	3592288	16.49%	2.833%
17	15.298	1936	1942	1951	rBV	80308	203481	0.93%	0.160%
18	15.409	1951	1961	1969	rBV2	115206	265868	1.22%	0.210%
19	15.503	1969	1977	1983	rVB	1659095	2819959	12.94%	2.224%
20	15.562	1983	1987	1996	rVB	136163	233248	1.07%	0.184%
21	15.709	2004	2012	2016	rBV2	122657	233171	1.07%	0.184%
22	15.762	2016	2021	2031	rVB	123477	223014	1.02%	0.176%
23	15.903	2031	2045	2052	rBV4	112805	398386	1.83%	0.314%
24	16.155	2080	2088	2095	rVB	2533285	4271219	19.60%	3.368%
25	16.238	2095	2102	2104	rBV2	121992	190892	0.88%	0.151%
26	16.273	2104	2108	2110	rVV	139615	239642	1.10%	0.189%
27	16.308	2110	2114	2119	rVV3	279195	468082	2.15%	0.369%
28	16.396	2125	2129	2132	rVV2	130201	225395	1.03%	0.178%
29	16.438	2132	2136	2143	rVB	378694	619172	2.84%	0.488%
30	16.584	2143	2161	2169	rBV2	408673	1040955	4.78%	0.821%
31	16.784	2187	2195	2210	rVB4	140968	386597	1.77%	0.305%
32	16.937	2216	2221	2227	rVB2	151025	237474	1.09%	0.187%
33	17.148	2244	2257	2262	rBV2	338474	797961	3.66%	0.629%
34	17.201	2262	2266	2271	rVB2	110537	167789	0.77%	0.132%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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	17.301	2277	2283	2288	rVV2	134968	272982	1.25%	0.215%
36	17.372	2288	2295	2298	rVV4	133991	317485	1.46%	0.250%
37	17.413	2298	2302	2311	rVV3	153737	366873	1.68%	0.289%
38	17.571	2323	2329	2341	rVV5	165834	570019	2.62%	0.450%
39	17.677	2341	2347	2362	rVB	491092	873930	4.01%	0.689%
40	17.859	2369	2378	2380	rBV	396910	652821	3.00%	0.515%
41	17.912	2380	2387	2394	rVV	6286001	11985676	55.00%	9.452%
42	18.000	2394	2402	2407	rVV	3115036	5170417	23.73%	4.078%
43	18.047	2407	2410	2419	rVV	200777	348985	1.60%	0.275%
44	18.259	2439	2446	2460	rVV	1211110	2200678	10.10%	1.736%
45	18.371	2460	2465	2473	rVV2	119242	295936	1.36%	0.233%
46	18.435	2473	2476	2487	rVV4	73048	198345	0.91%	0.156%
47	18.723	2509	2525	2529	rBV	553670	976656	4.48%	0.770%
48	18.770	2529	2533	2540	rVB	747592	1182796	5.43%	0.933%
49	18.852	2540	2547	2552	rBV	405593	677767	3.11%	0.535%
50	18.929	2552	2560	2571	rVV2	1036305	2404180	11.03%	1.896%
51	19.205	2602	2607	2613	rVV	402159	601582	2.76%	0.474%
52	19.452	2638	2649	2653	rBV4	109897	227010	1.04%	0.179%
53	19.616	2669	2677	2683	rBV2	220236	480695	2.21%	0.379%
54	19.687	2683	2689	2697	rVB4	127222	337166	1.55%	0.266%
55	19.763	2698	2702	2710	rVB4	68850	186880	0.86%	0.147%
56	19.898	2716	2725	2735	rVV	5074462	8484944	38.94%	6.692%
57	19.980	2735	2739	2744	rVV3	120120	192780	0.88%	0.152%
58	20.133	2758	2765	2774	rVB2	184309	430935	1.98%	0.340%
59	20.262	2774	2787	2793	rBV2	3700825	7911904	36.31%	6.240%
60	20.315	2793	2796	2802	rVB	205762	296451	1.36%	0.234%
61	20.421	2804	2814	2819	rBV	245694	393631	1.81%	0.310%
62	20.568	2831	2839	2845	rBV3	283208	690890	3.17%	0.545%
63	20.738	2854	2868	2878	rVV	845883	1895286	8.70%	1.495%
64	20.838	2878	2885	2890	rVV	914857	1530079	7.02%	1.207%
65	20.903	2890	2896	2900	rVV2	300527	707788	3.25%	0.558%
66	20.938	2900	2902	2906	rVV	165934	233212	1.07%	0.184%
67	21.050	2915	2921	2925	rVV	190944	338422	1.55%	0.267%
68	21.103	2925	2930	2940	rVB2	175673	379648	1.74%	0.299%
69	21.297	2957	2963	2970	rBV5	70439	179300	0.82%	0.141%
70	21.367	2970	2975	2979	rVV5	107037	238666	1.10%	0.188%
71	21.408	2979	2982	2993	rVB5	101828	252091	1.16%	0.199%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : F5C49

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
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Peak separation: 1

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

72	21.502	2993	2998	3004	rBV	119124	277398	1.27%	0.219%
73	21.561	3004	3008	3015	rVV3	105152	223260	1.02%	0.176%
74	21.767	3033	3043	3047	rBV	303590	635870	2.92%	0.501%
75	21.808	3047	3050	3055	rVB	202033	342859	1.57%	0.270%
76	21.872	3055	3061	3066	rBV2	250445	476743	2.19%	0.376%
77	22.072	3084	3095	3101	rBV	97023	270726	1.24%	0.214%
78	22.213	3106	3119	3127	rBV3	1672928	4331937	19.88%	3.416%
79	22.289	3127	3132	3145	rVB	1236649	2427928	11.14%	1.915%
80	22.460	3155	3161	3168	rBV	257270	537739	2.47%	0.424%
81	22.613	3180	3187	3193	rVB	173825	387173	1.78%	0.305%
82	22.689	3193	3200	3208	rVV3	204590	477341	2.19%	0.376%
83	22.953	3239	3245	3251	rVV6	64049	186682	0.86%	0.147%
84	23.047	3251	3261	3268	rVV2	191467	598412	2.75%	0.472%
85	23.130	3268	3275	3282	rVB3	90010	225809	1.04%	0.178%
86	23.294	3297	3303	3308	rVV3	88968	202881	0.93%	0.160%
87	23.359	3308	3314	3319	rVV2	108028	278904	1.28%	0.220%
88	23.412	3319	3323	3332	rVV5	135098	331181	1.52%	0.261%
89	23.512	3332	3340	3355	rVB5	90431	302861	1.39%	0.239%
90	23.852	3382	3398	3402	rBV5	51807	228336	1.05%	0.180%
91	24.293	3465	3473	3490	rBV2	62508	230981	1.06%	0.182%
92	24.728	3533	3547	3555	rBV	684437	2630534	12.07%	2.075%
93	25.004	3586	3594	3608	rVB	104069	306362	1.41%	0.242%
94	25.550	3675	3687	3702	rVB2	316472	1085230	4.98%	0.856%
95	25.715	3704	3715	3728	rVB	487976	1569234	7.20%	1.238%
96	25.891	3730	3745	3752	rBV2	223862	847619	3.89%	0.668%
97	25.973	3753	3759	3776	rVB3	137933	501859	2.30%	0.396%
98	30.098	4445	4461	4487	rVB5	151018	937462	4.30%	0.739%
99	30.633	4533	4552	4567	rBV5	37622	247825	1.14%	0.195%
100	31.408	4664	4684	4702	rBV3	90747	533762	2.45%	0.421%

Sum of corrected areas: 126800634

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
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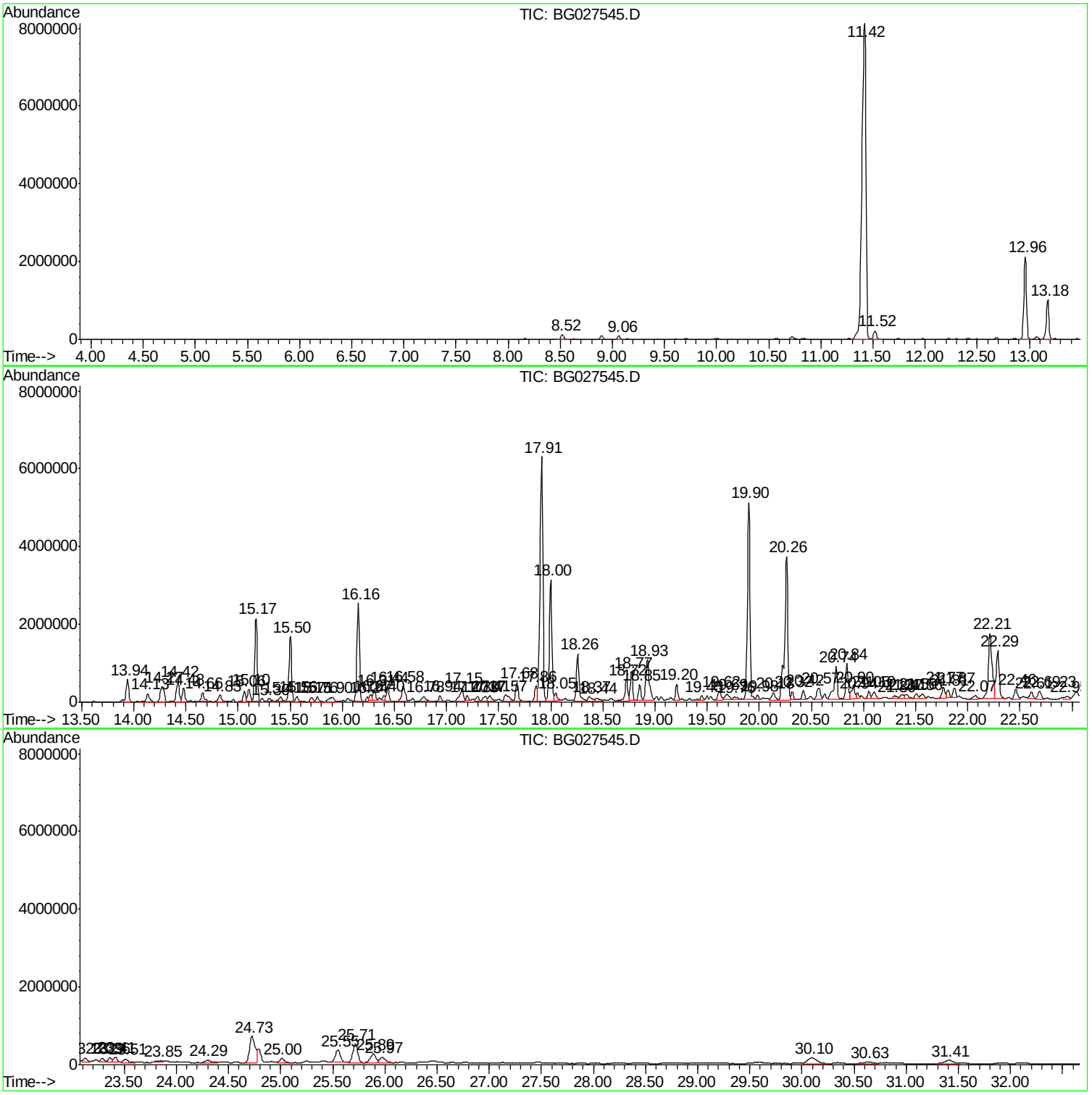
Operator : SJ/MA
Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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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Quant Title : SVOA CALIBRATION

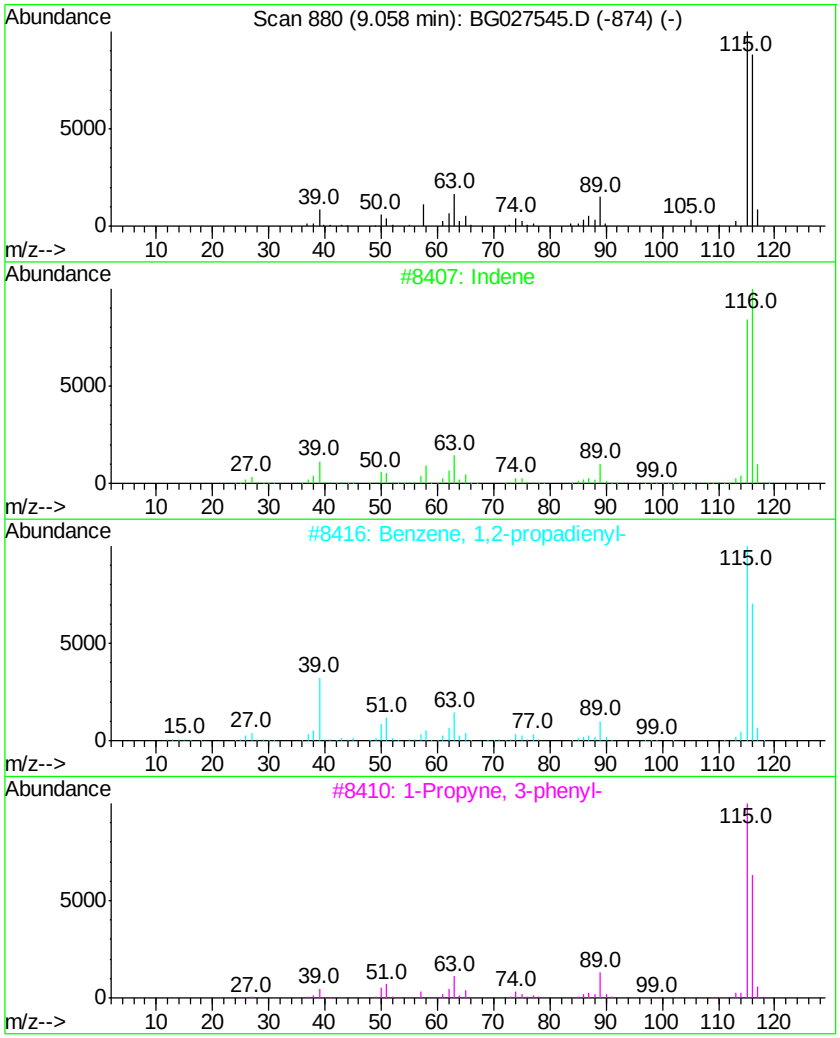
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

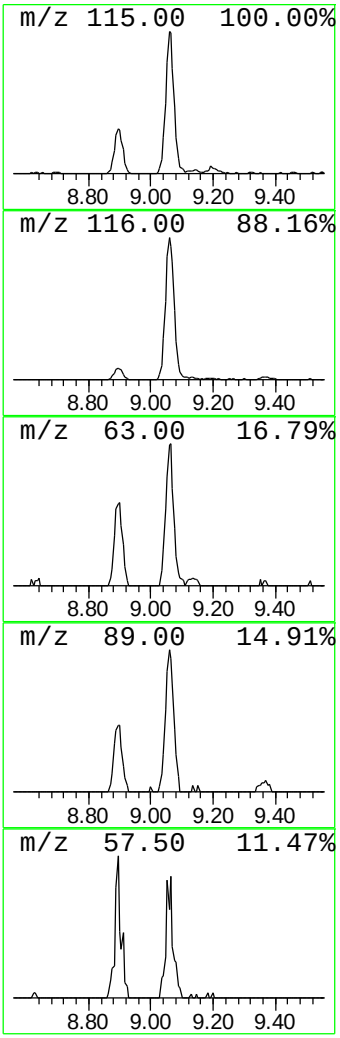
****

Peak Number 1 Indene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	13.98 ng/ul	170563	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
4	Indene	116	C9H8	000095-13-6	91
5	Indene	116	C9H8	000095-13-6	91





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Sample : I3627-20 25X
Misc :
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Instrument : BNA_G
ClientSampleId : F5C49

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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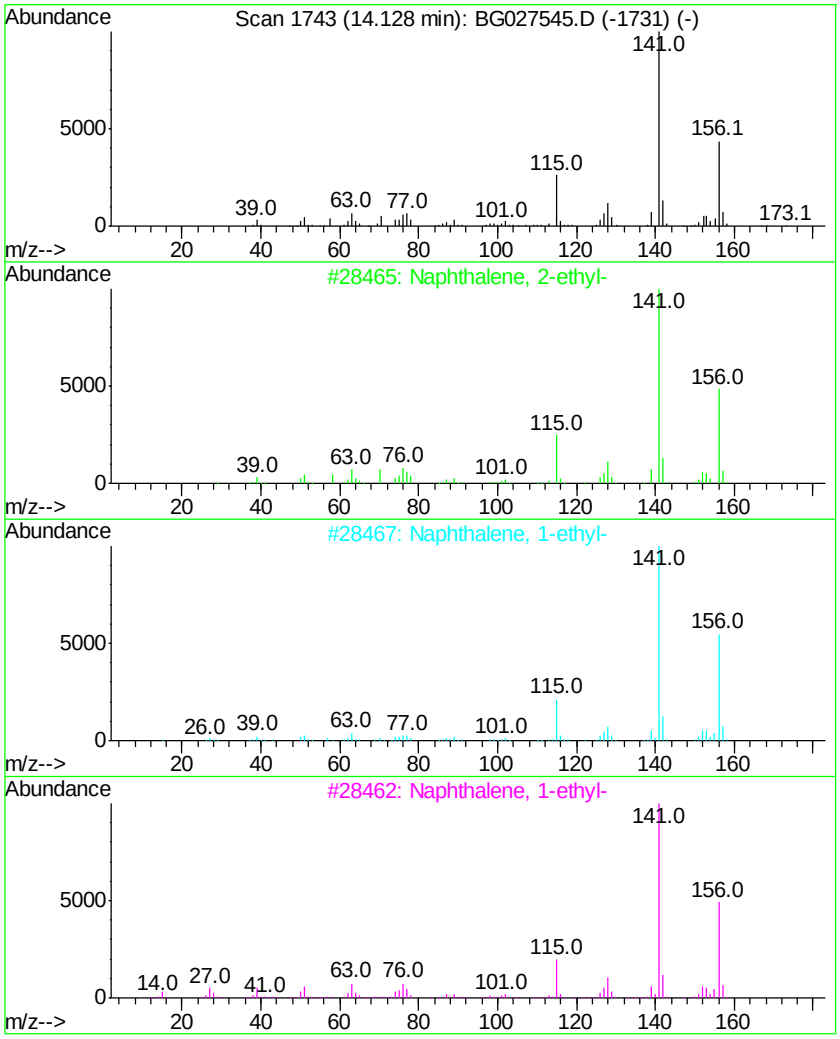
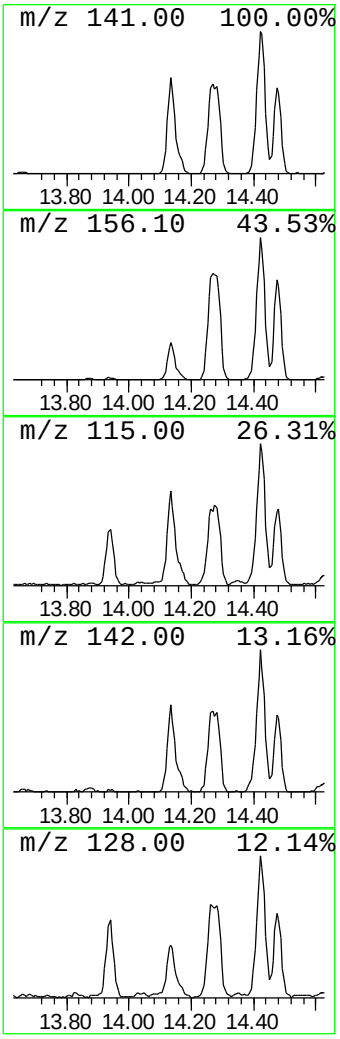
Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	17.34 ng/ul	475760	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	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





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Instrument : BNA_G
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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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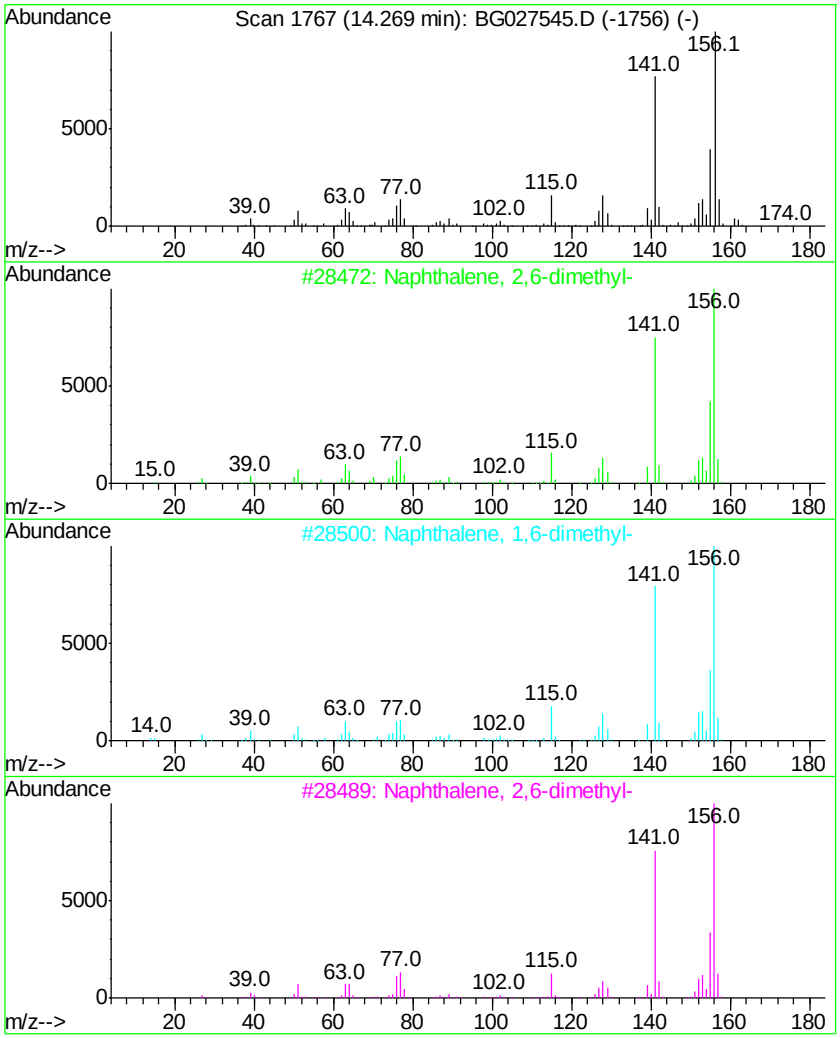
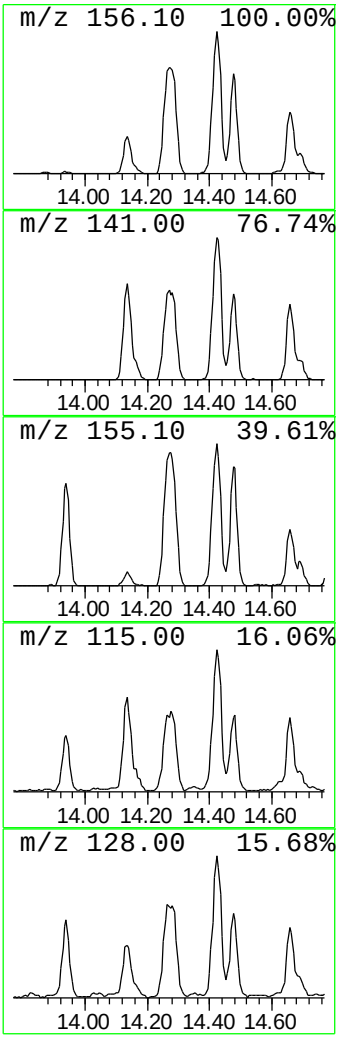
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	37.82 ng/ul	1037850	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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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
TIC Integration Parameters: LSCINT.P

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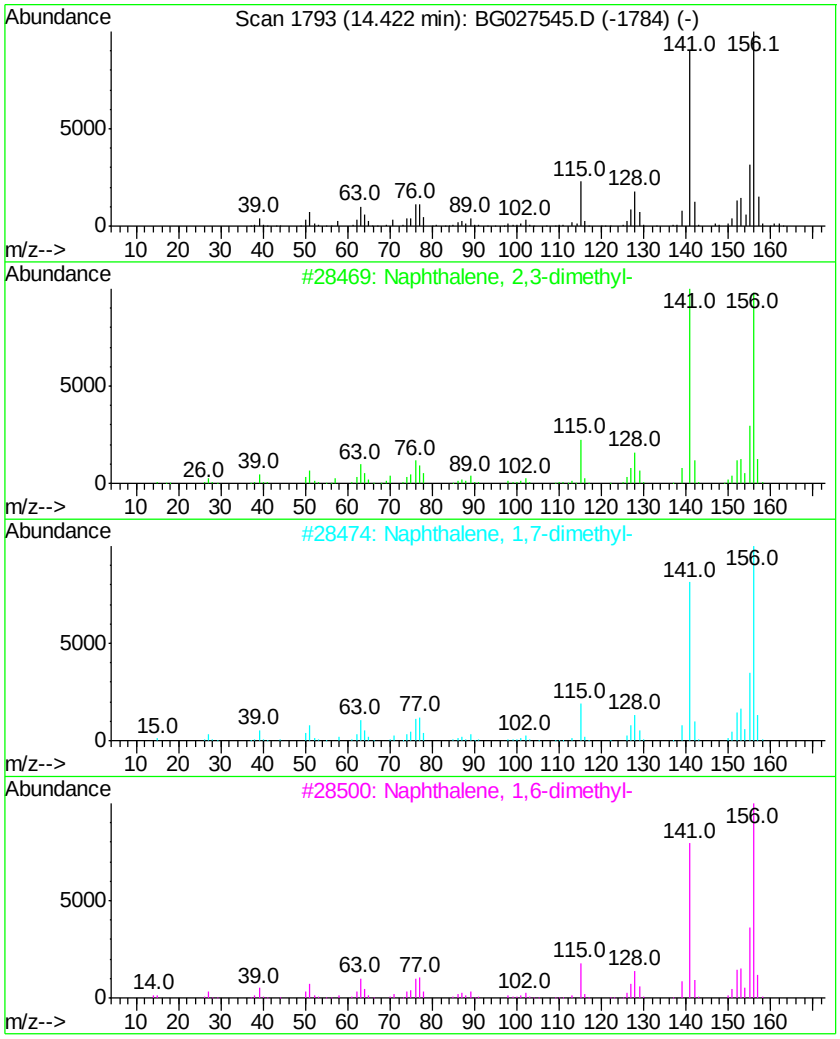
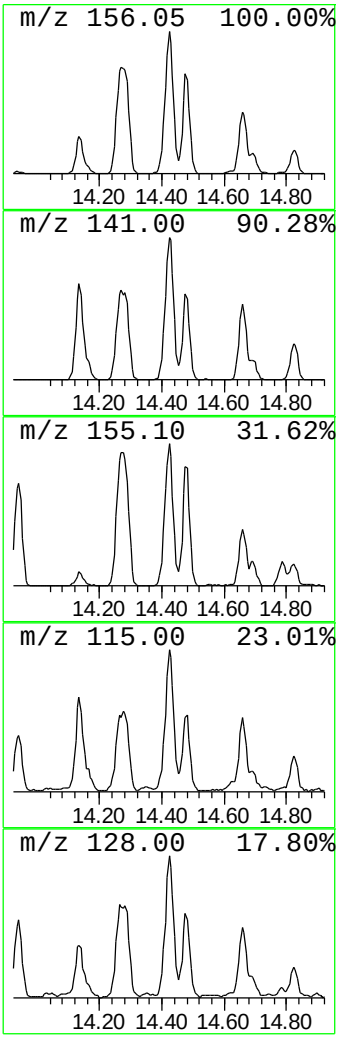
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	36.45 ng/ul	1000410	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, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Sample : I3627-20 25X
Misc :
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Instrument : BNA_G
ClientSampleId : F5C49

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

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

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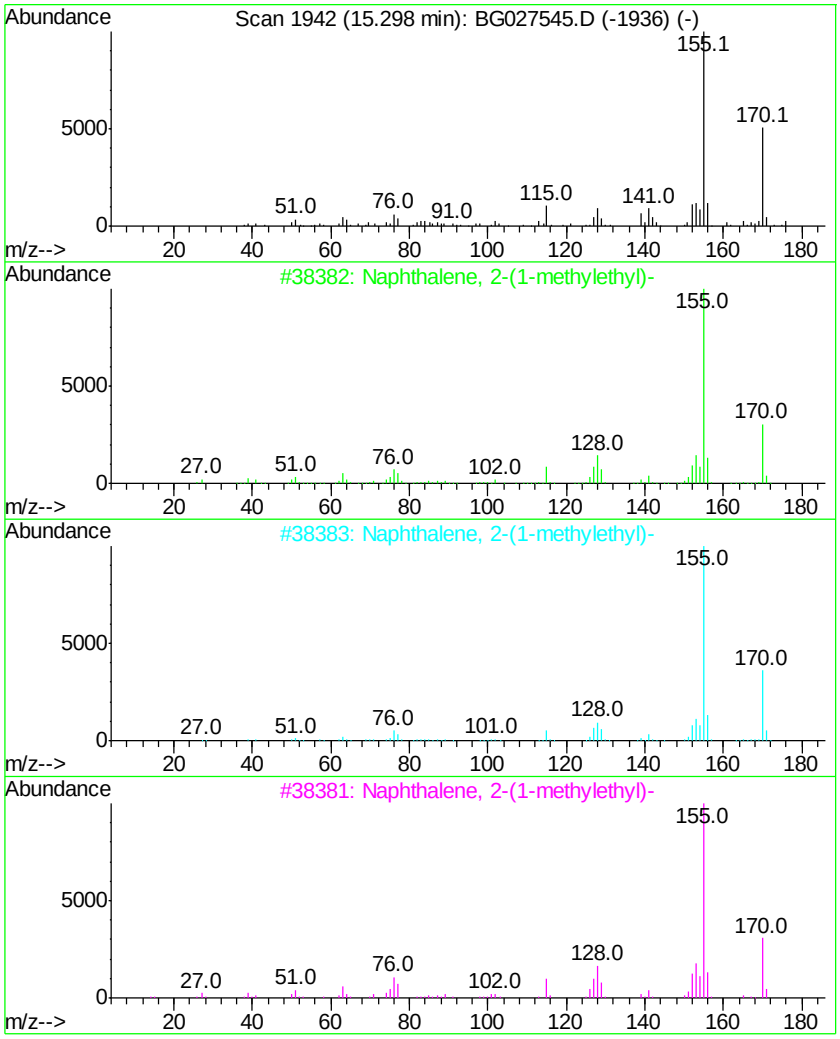
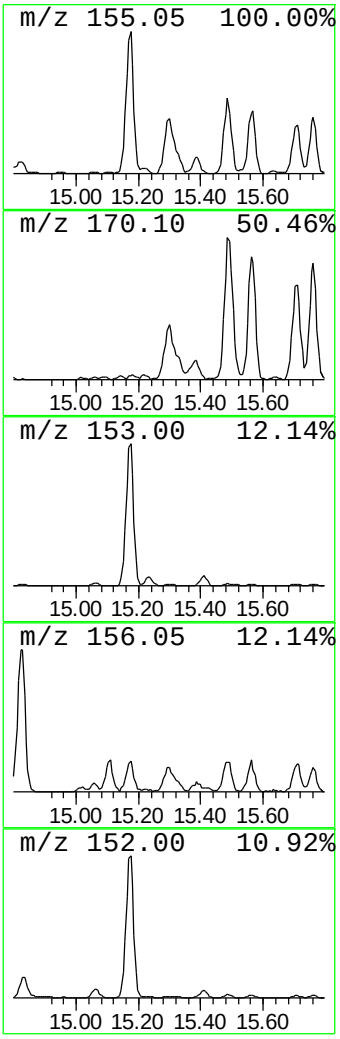
Peak Number 7 Naphthalene, 2-(1-methyleth... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	7.41 ng/ul	203481	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	64
4	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	64
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64





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Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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

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

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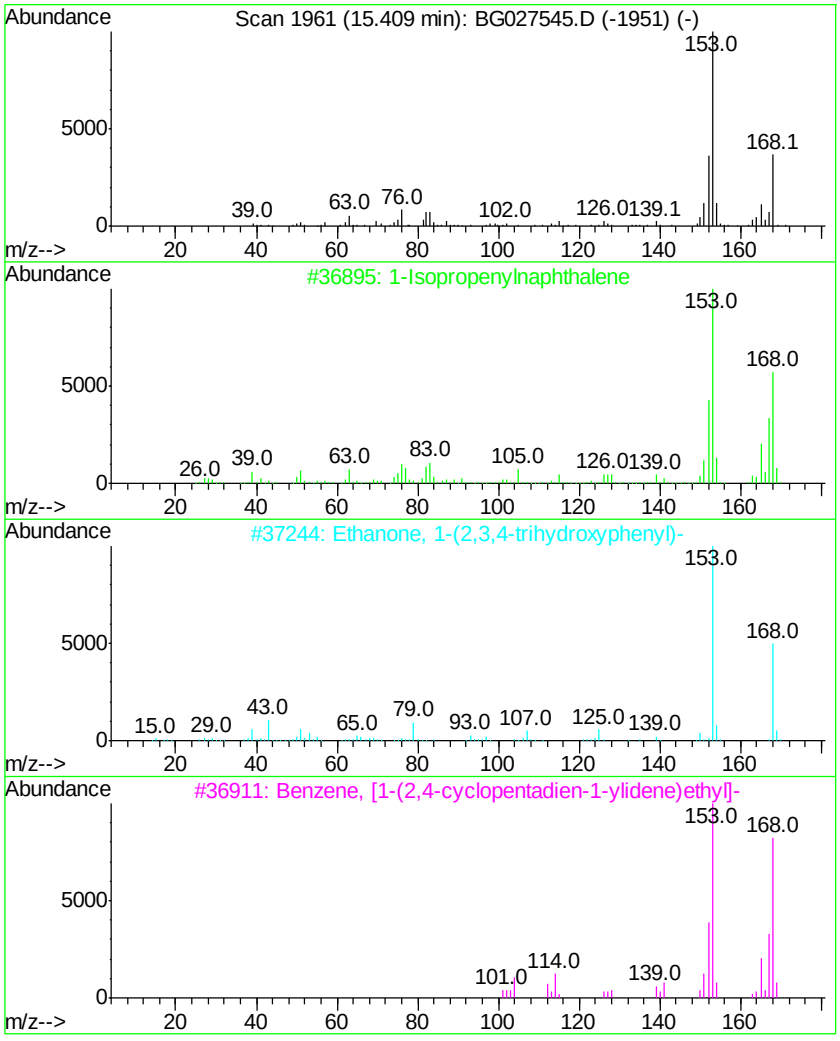
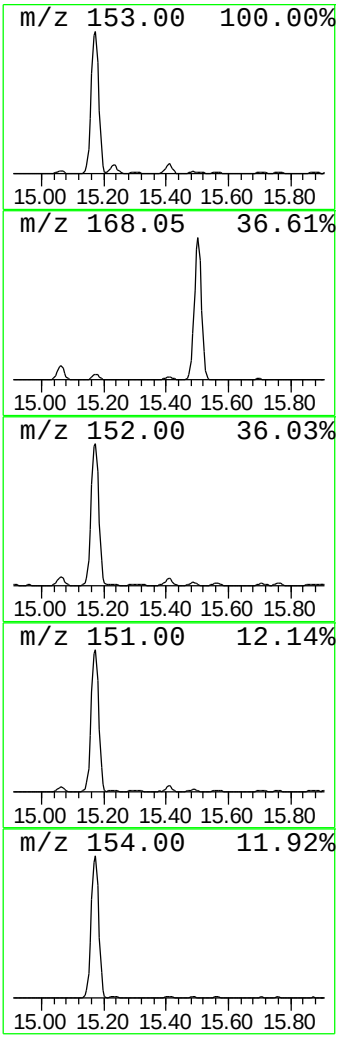
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	9.69 ng/ul	265868	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	58
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50





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Instrument : BNA_G
ClientSampleId : F5C49

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Quant Title : SVOA CALIBRATION

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

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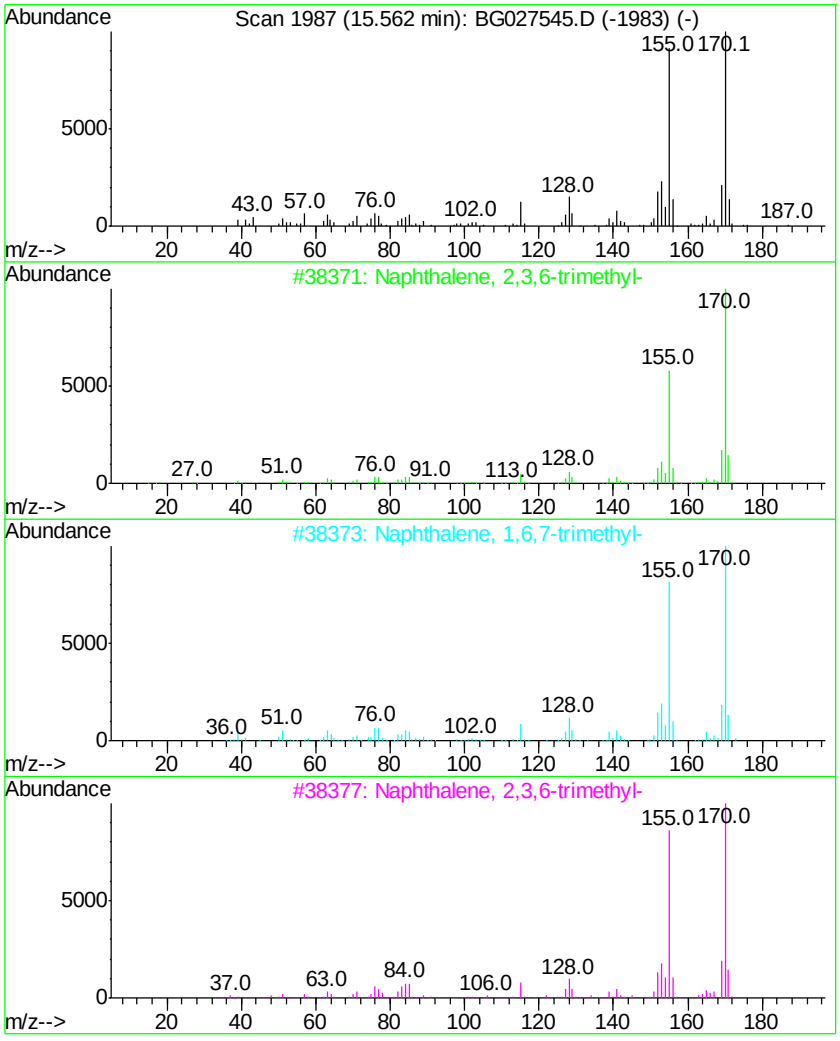
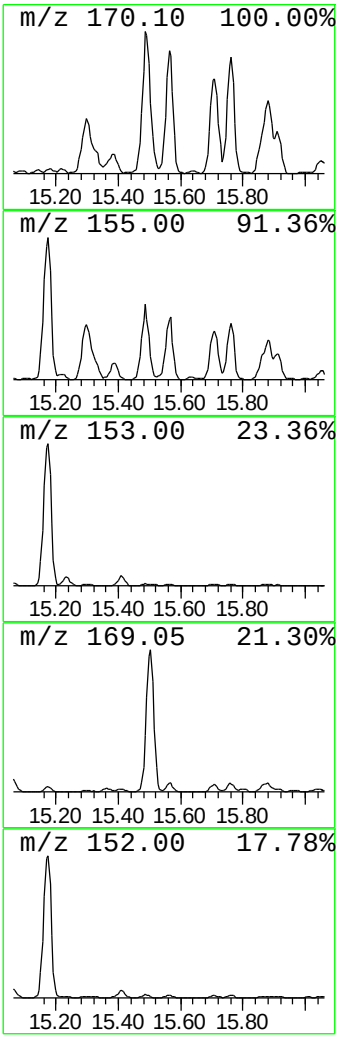
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	8.50 ng/ul	233248	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, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97





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ClientSampleId : F5C49

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Quant Title : SVOA CALIBRATION

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

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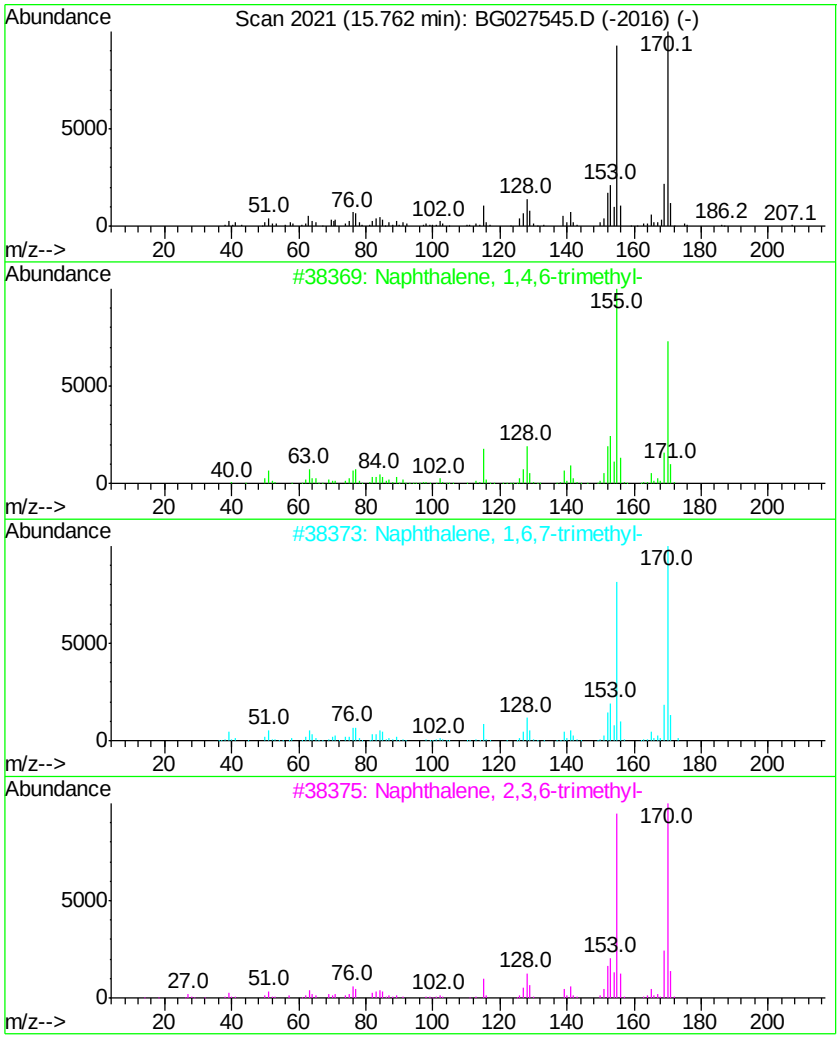
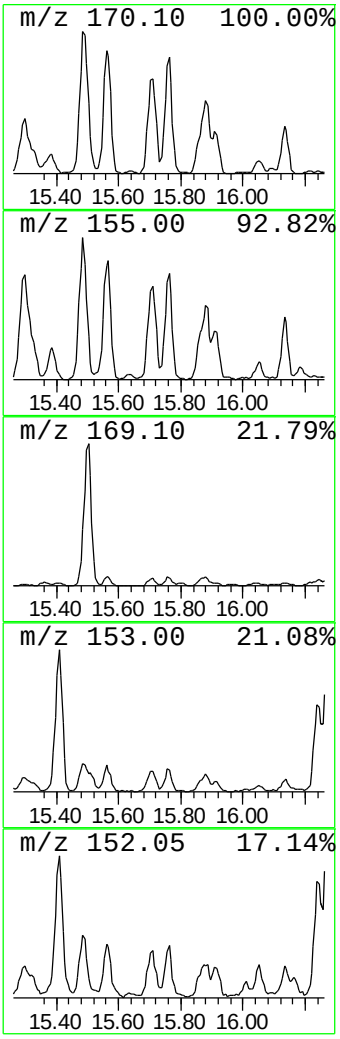
Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	8.13 ng/ul	223014	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, 1,6,7-trimethyl-	170	C13H14	002245-38-7	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	94





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ClientSampleId : F5C49

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Quant Title : SVOA CALIBRATION

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

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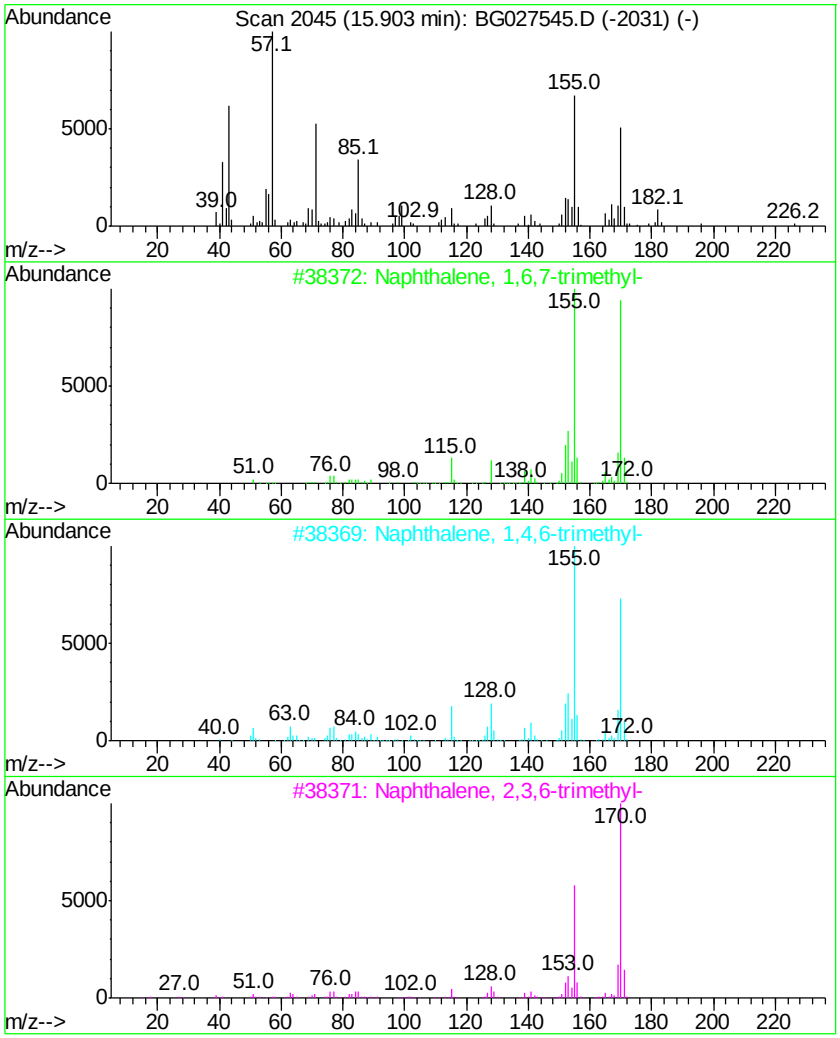
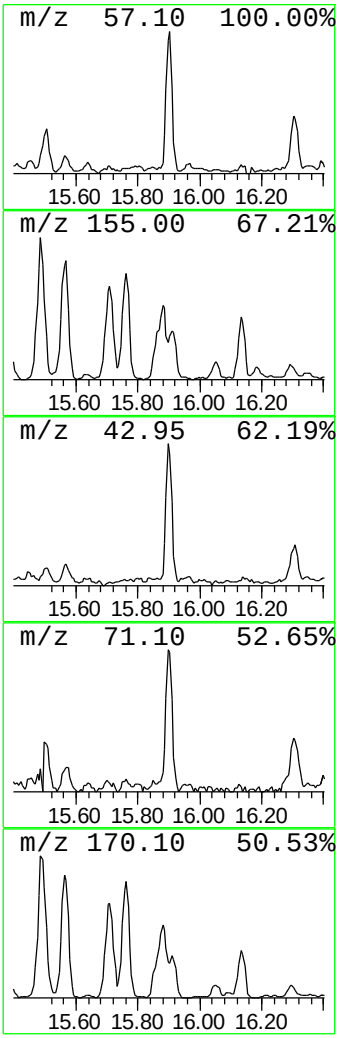
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	14.52 ng/ul	398386	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83





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ClientSampleId : F5C49

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Quant Title : SVOA CALIBRATION

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

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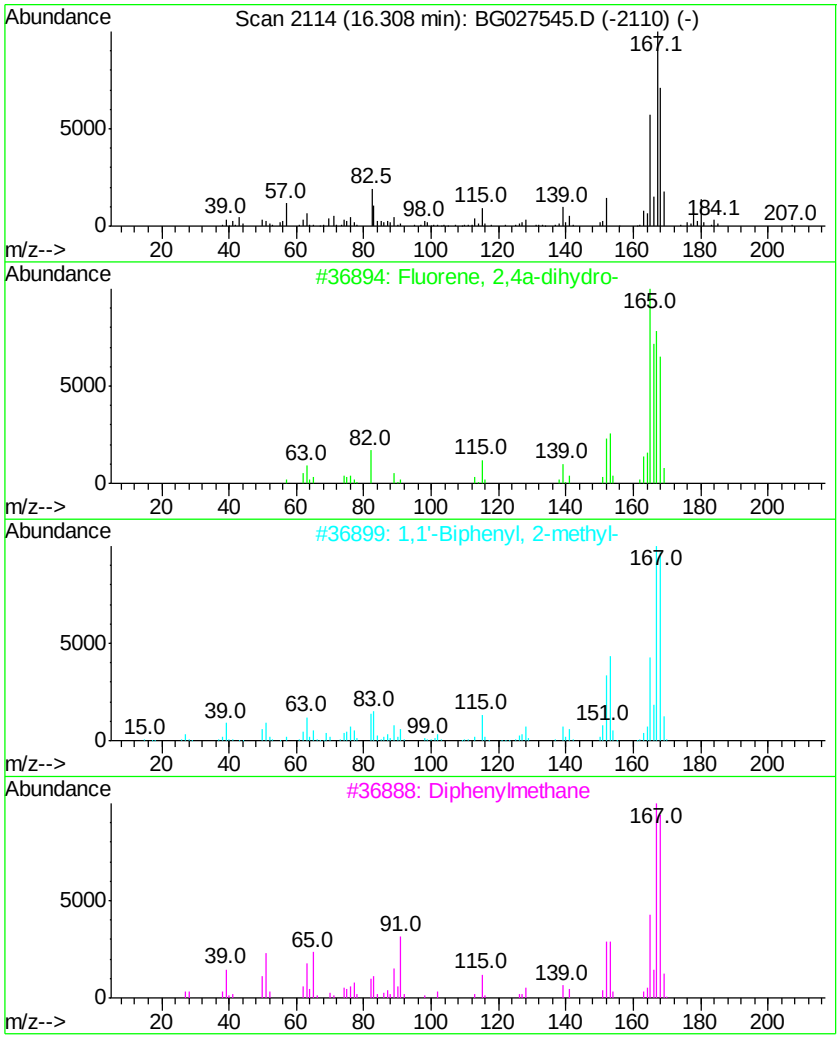
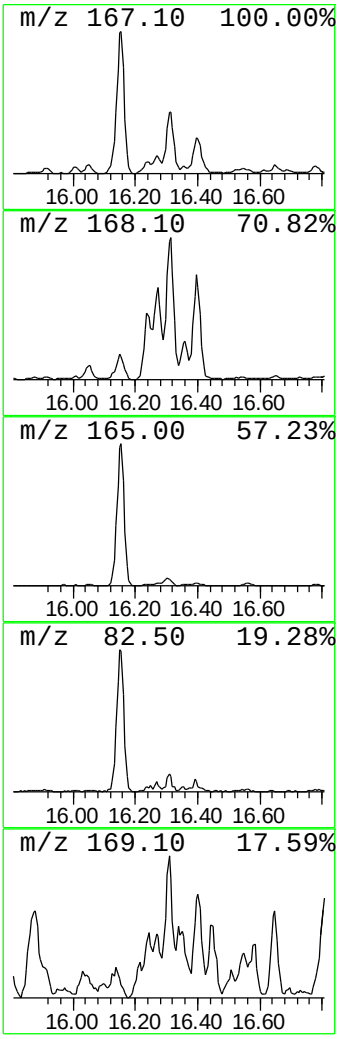
Peak Number 15 Fluorene, 2,4a-dihydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	17.06 ng/ul	468082	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
3	Diphenylmethane	168	C13H12	000101-81-5	50
4	Nordiphenamid	225	C15H15NO	000954-21-2	43
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	43





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Sample : I3627-20 25X
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ALS Vial : 24 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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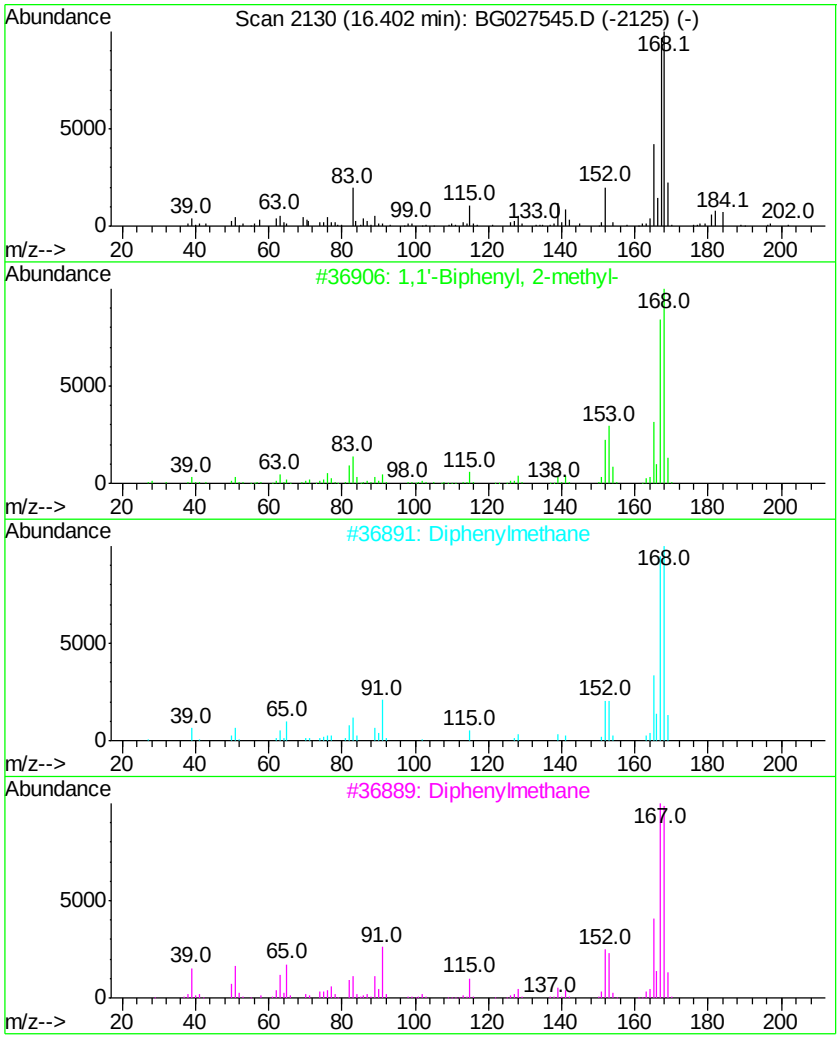
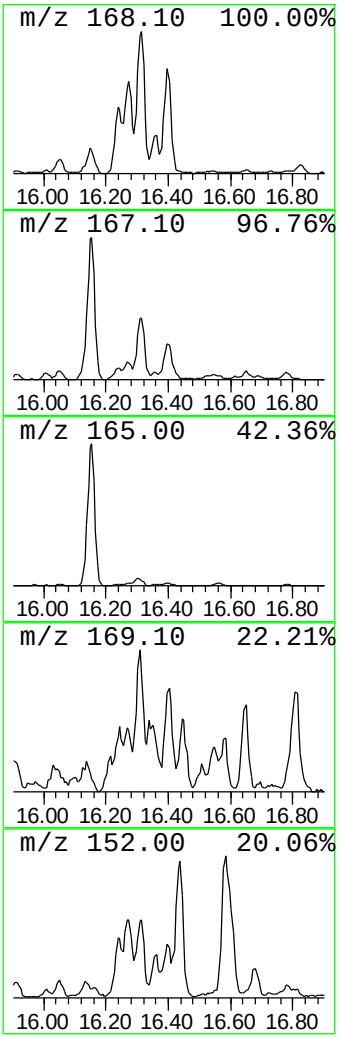
Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	8.21 ng/ul	225395	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
2	Diphenylmethane	168	C13H12	000101-81-5	87
3	Diphenylmethane	168	C13H12	000101-81-5	87
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
5	Diphenylmethane	168	C13H12	000101-81-5	87





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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Quant Title : SVOA CALIBRATION

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

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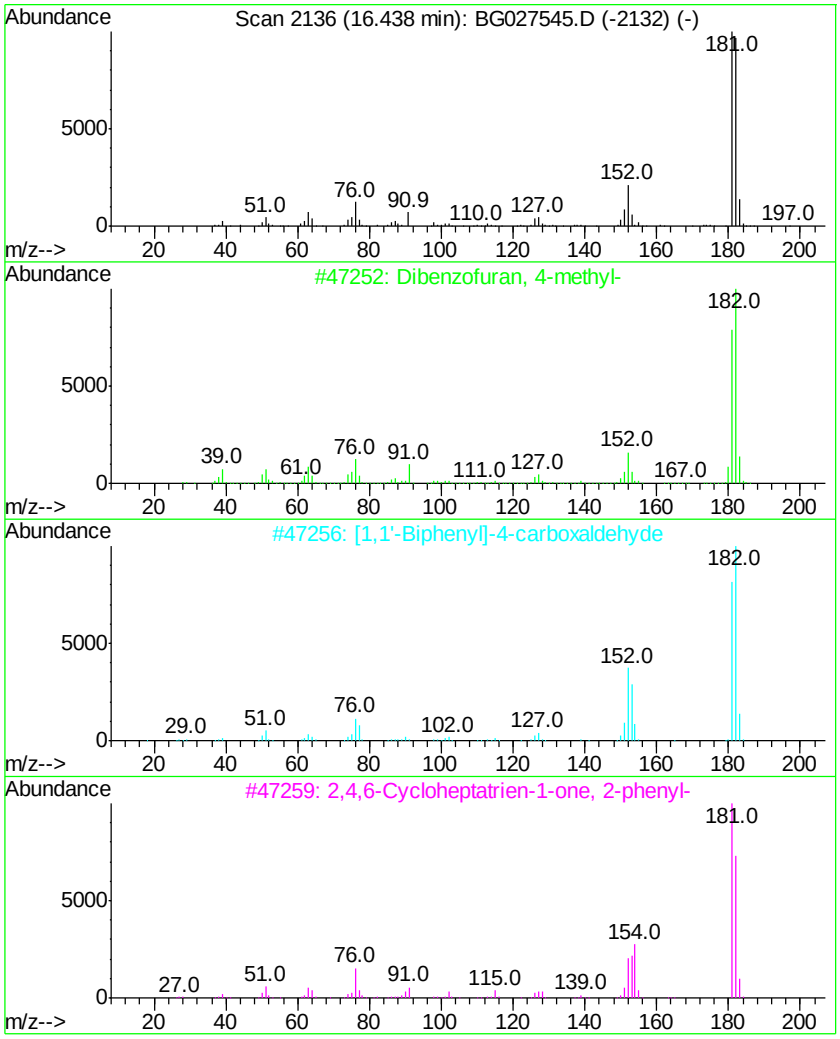
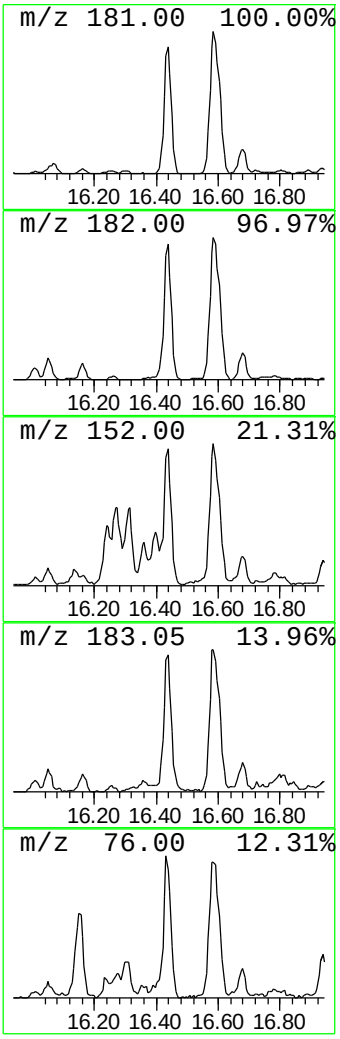
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	22.56 ng/ul	619172	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Quant Title : SVOA CALIBRATION

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

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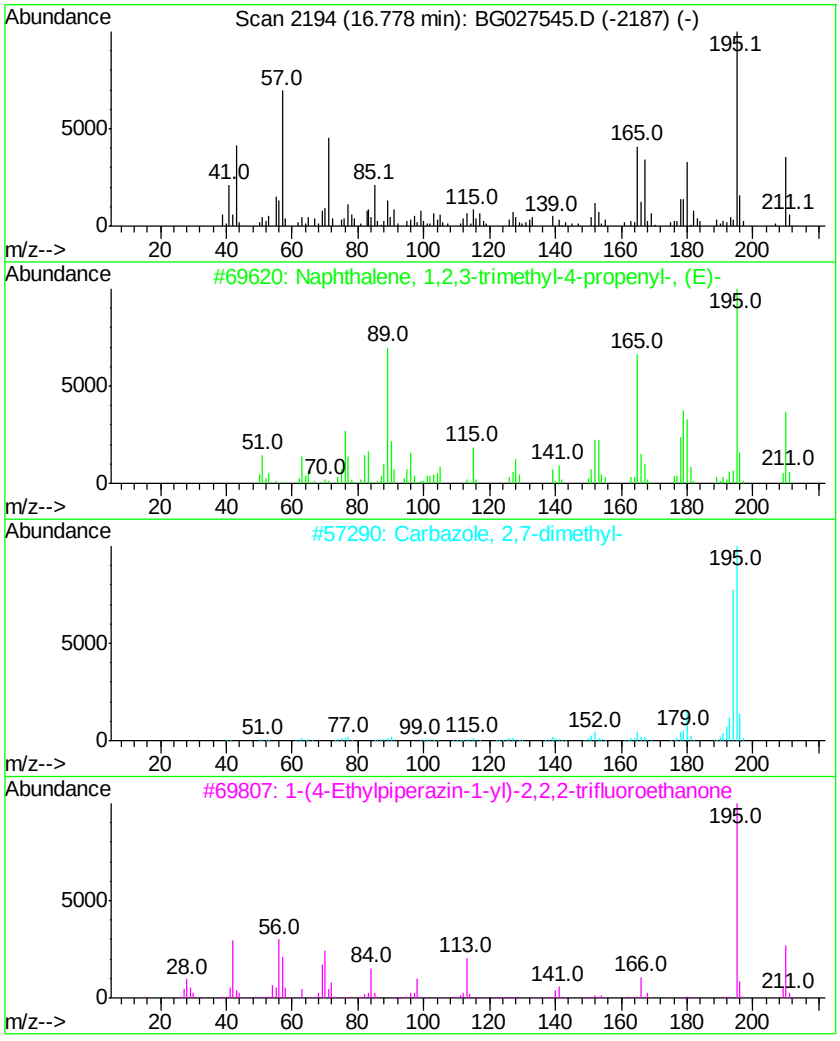
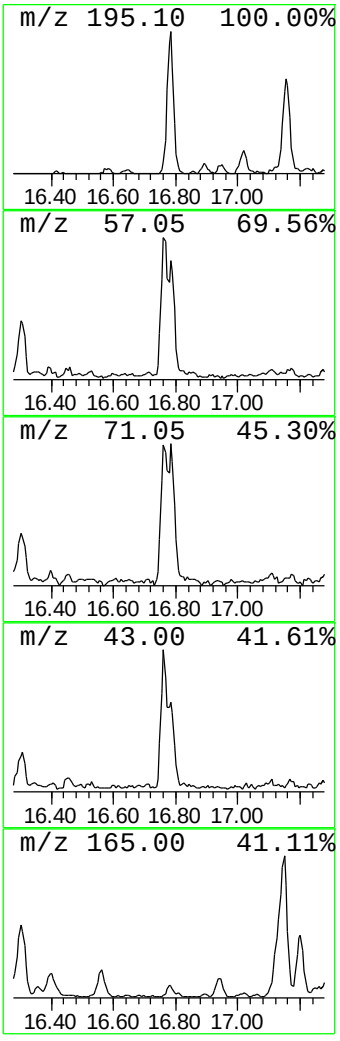
Peak Number 19 Naphthalene, 1,2,3-trimethy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	11.84 ng/ul	386597	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	60
2	Carbazole, 2,7-dimethyl-	195	C14H13N	018992-65-9	49
3	1-(4-Ethylpiperazin-1-yl)-2,2,2-...	210	C8H13F3N2O	1000373-19-2	46
4	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	46
5	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	43





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Quant Title : SVOA CALIBRATION

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

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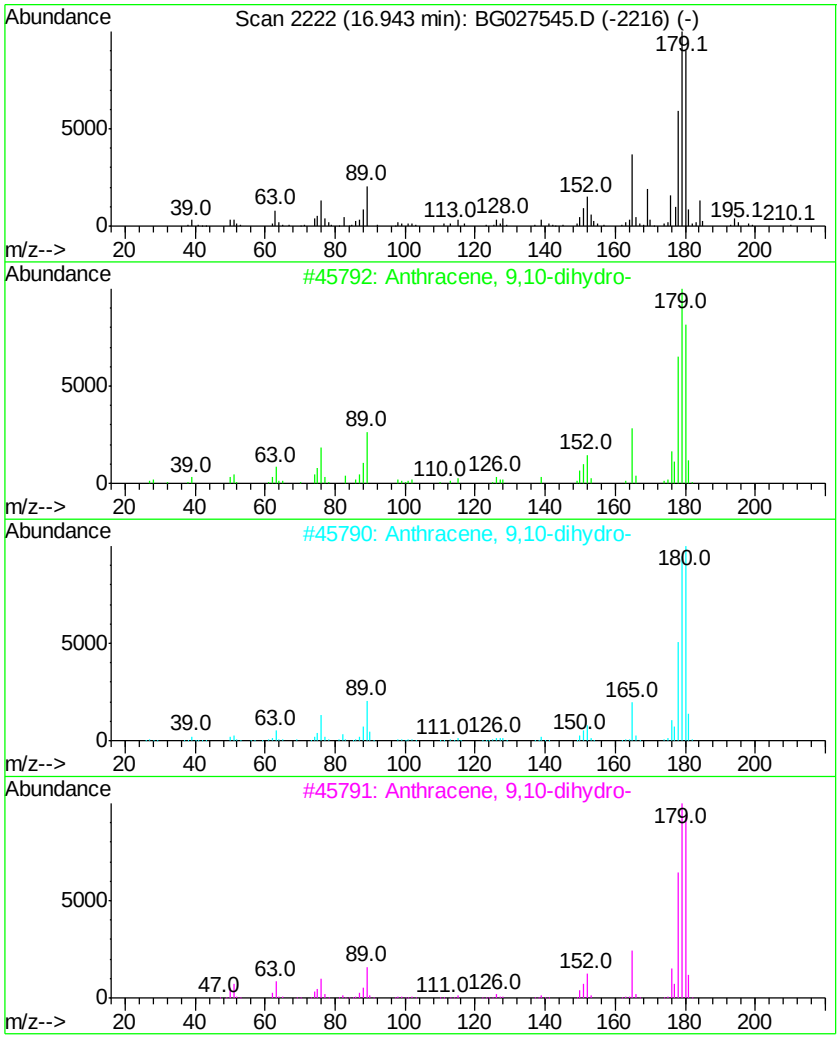
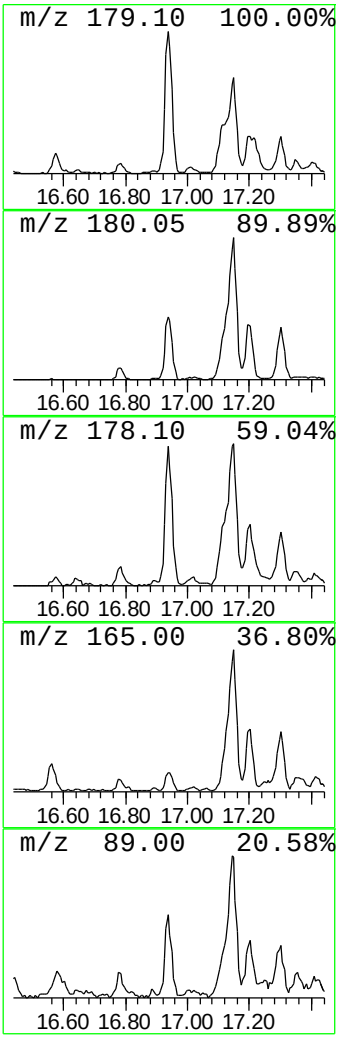
Peak Number 20 Anthracene, 9,10-dihydro- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	7.28 ng/ul	237474	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91





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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 21 9H-Fluorene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	24.45 ng/ul	797961	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
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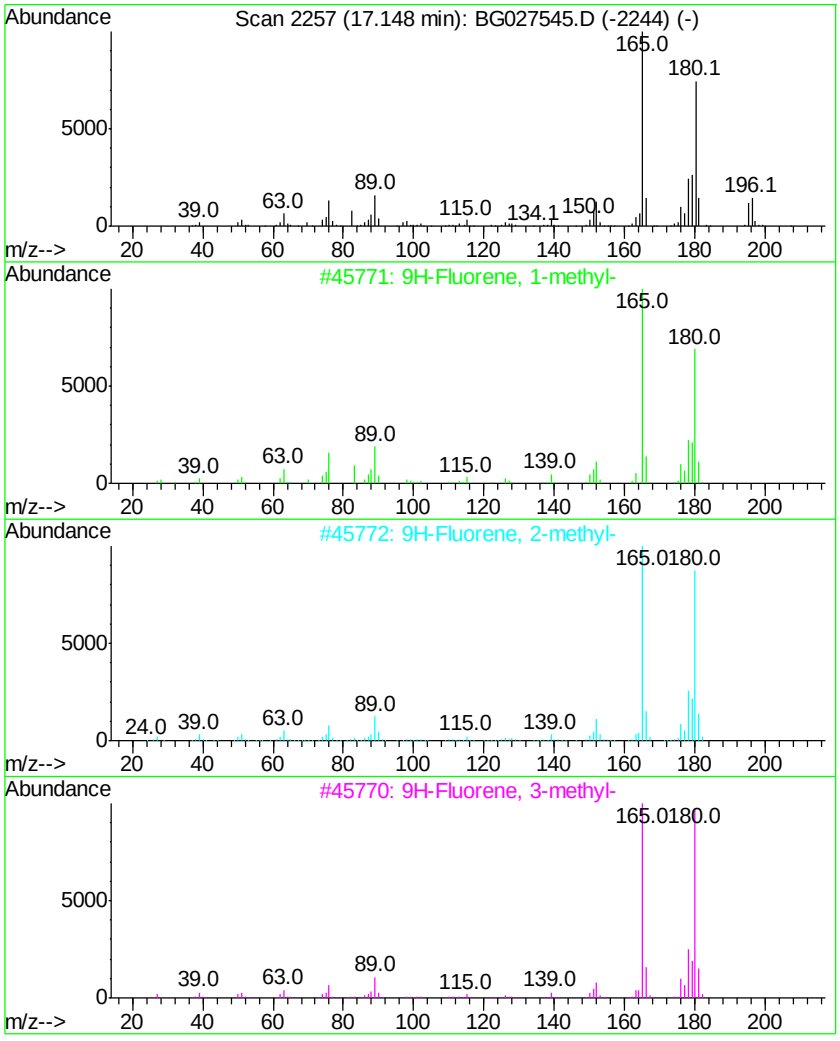

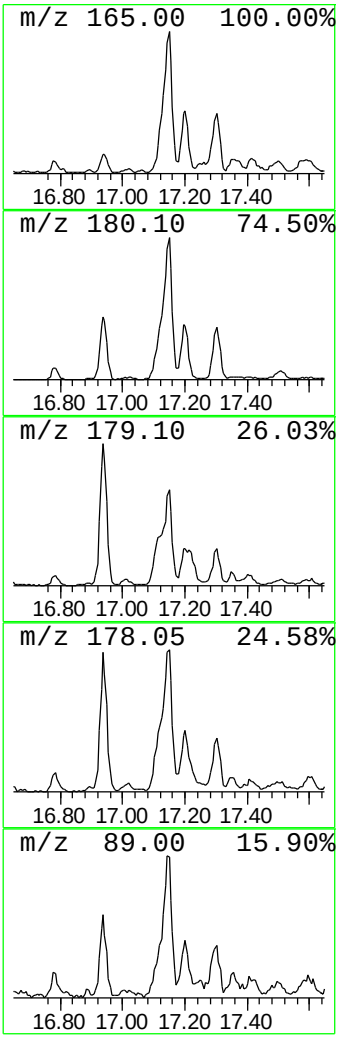

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Quant Title : SVOA CALIBRATION

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

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Peak Number 22 9H-Fluorene, 2-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	5.14 ng/ul	167789	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
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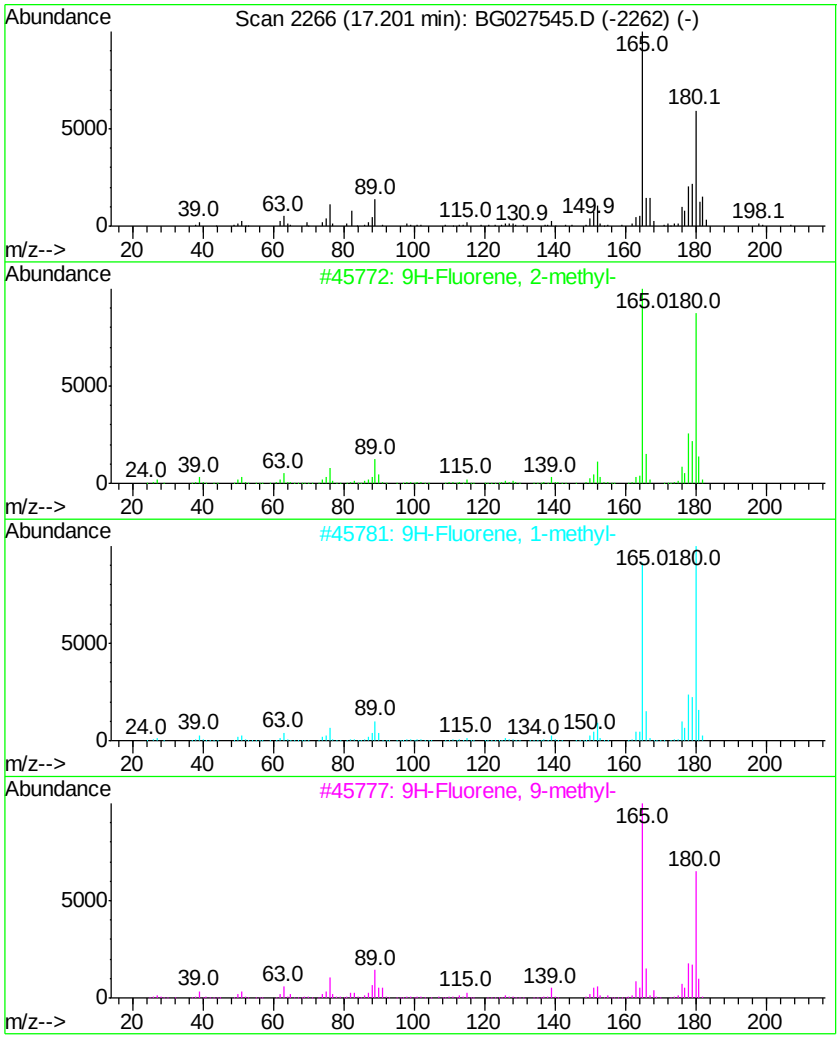

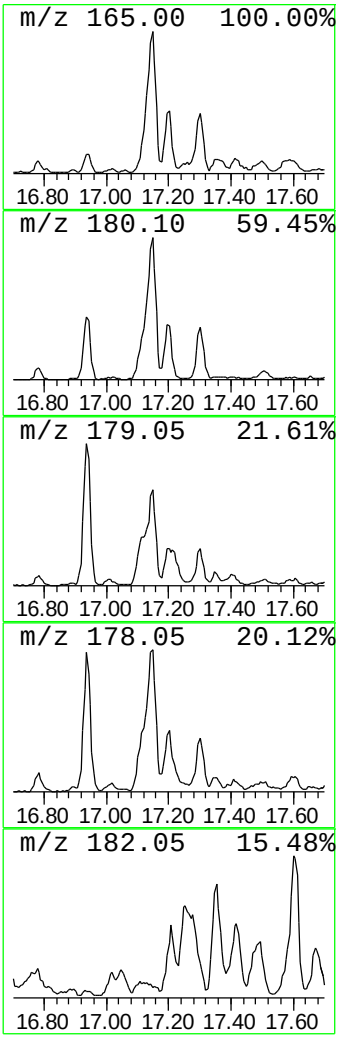

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Quant Title : SVOA CALIBRATION

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

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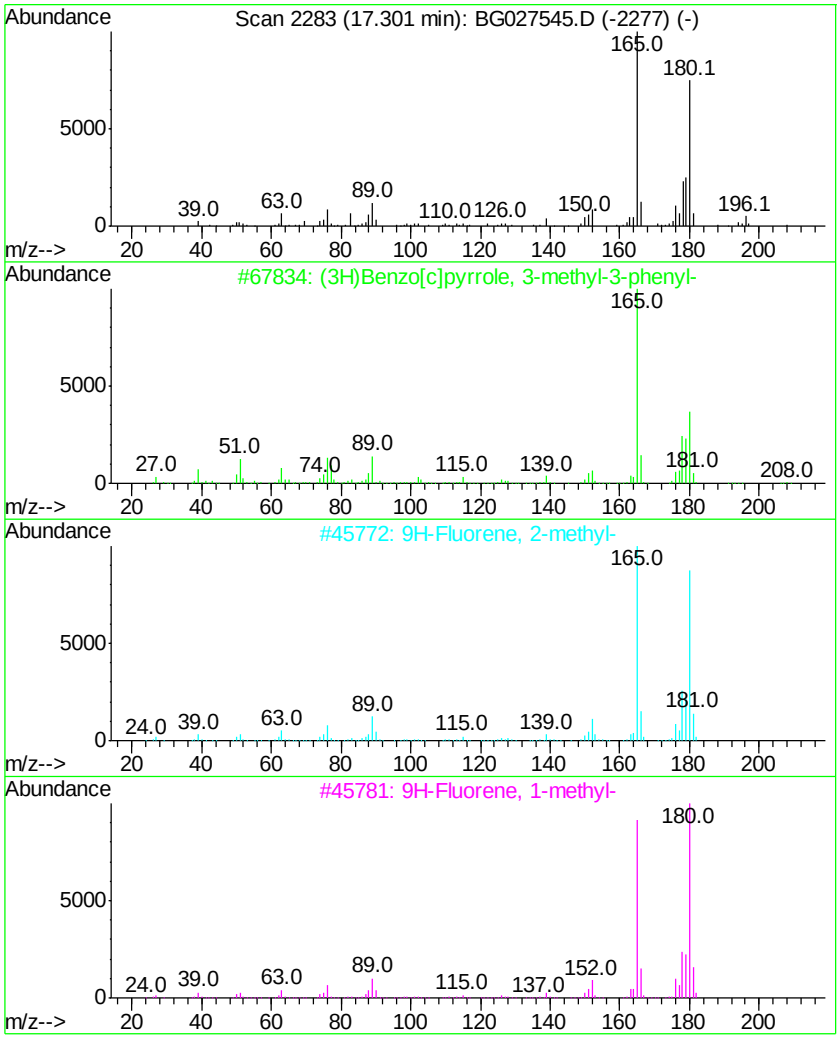
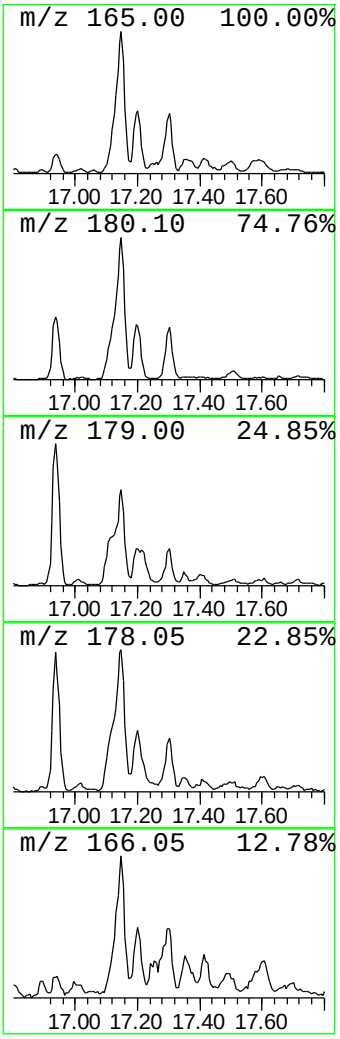
Peak Number 23 (3H)Benzo[c]pyrrole, 3-meth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	8.36 ng/ul	272982	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	92
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





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Data File : BG027545.D
Acq On : 20 Jun 2017 1:36
Operator : SJ/MA
Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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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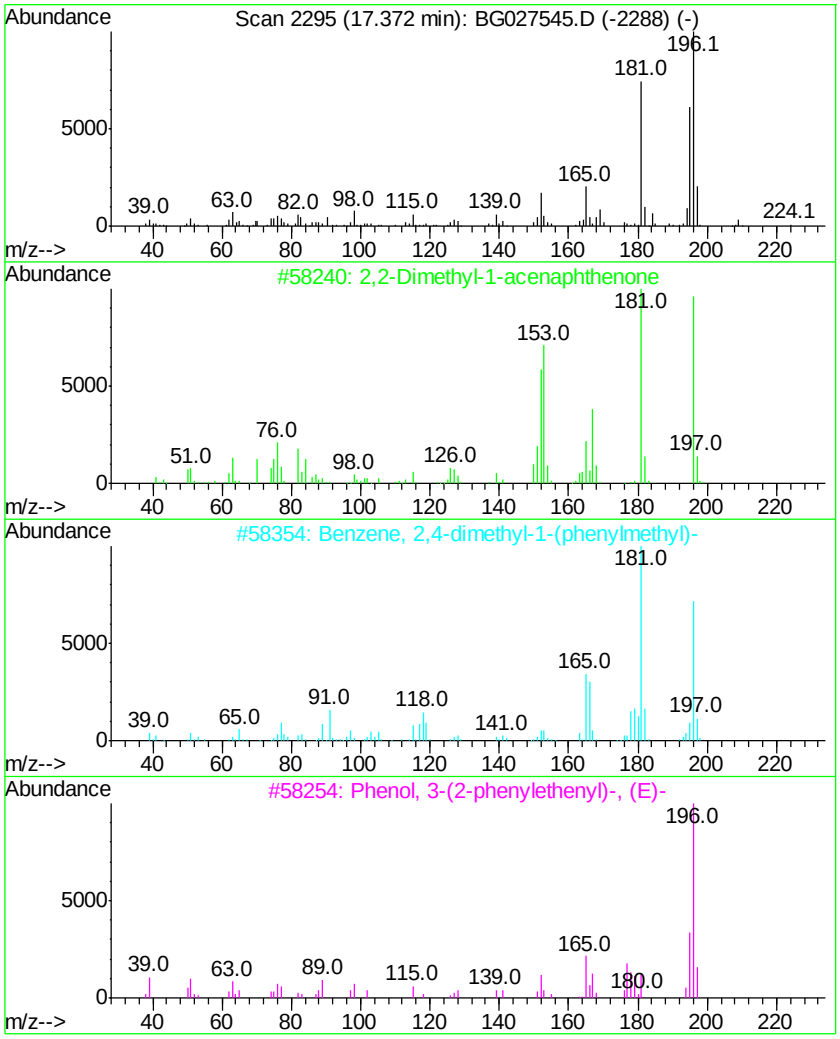
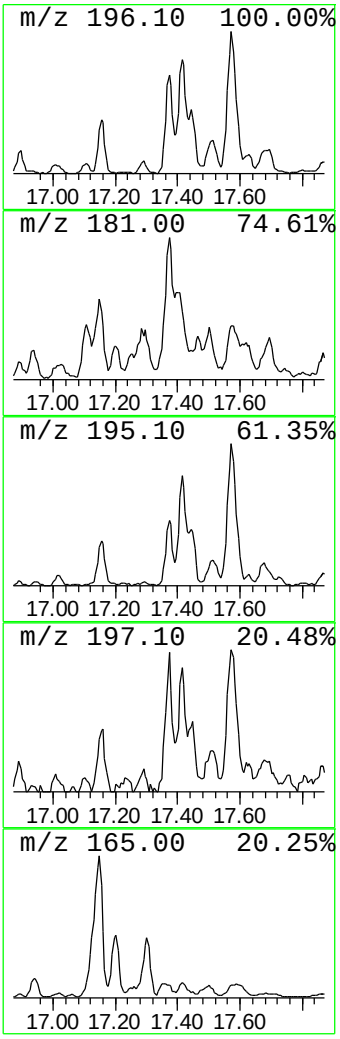
Peak Number 24 2,2-Dimethyl-1-acenaphthenone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	9.73 ng/ul	317485	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	70
2	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	58
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
4	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	43
5	3-Methylcarbazole	181	C13H11N	004630-20-0	38





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Misc :
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Instrument : BNA_G
ClientSampleId : F5C49

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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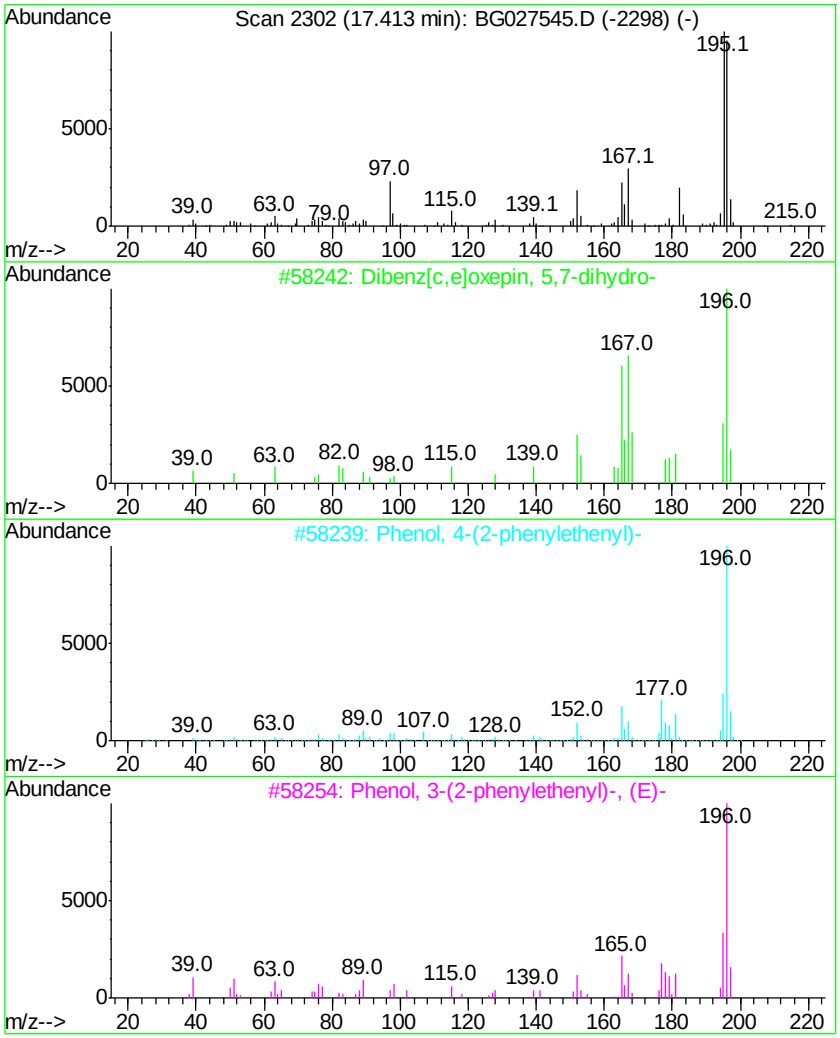
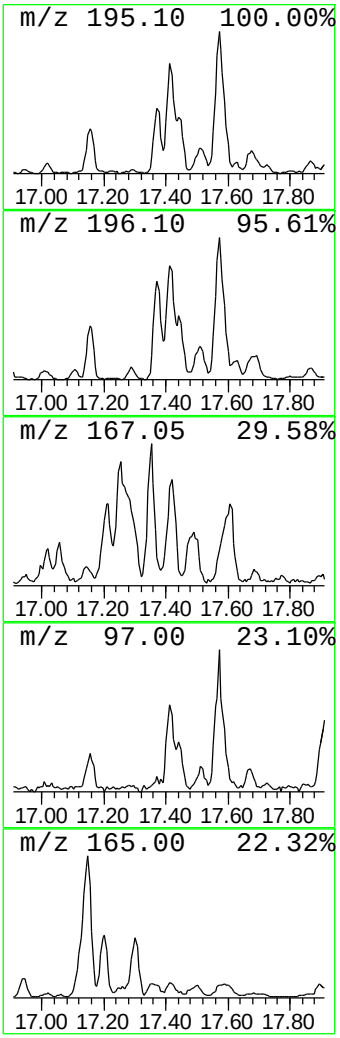
Peak Number 25 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	11.24 ng/ul	366873	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	53
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38





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ClientSampleId : F5C49

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Quant Title : SVOA CALIBRATION

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

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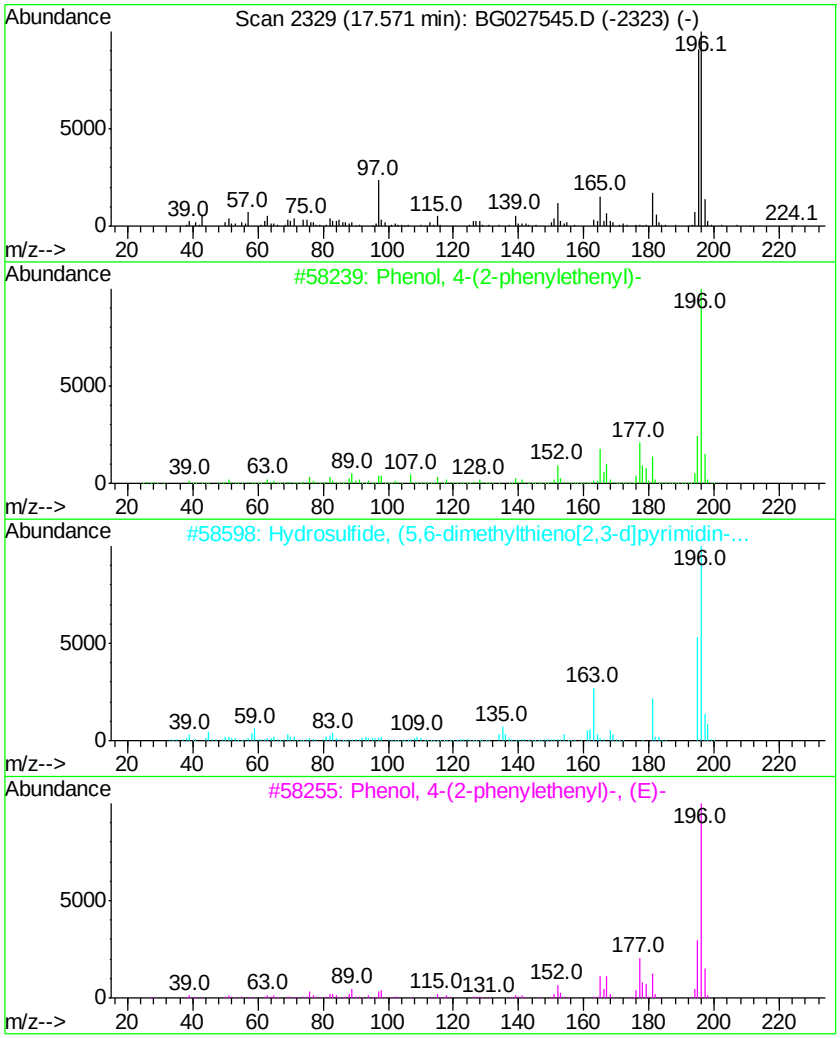
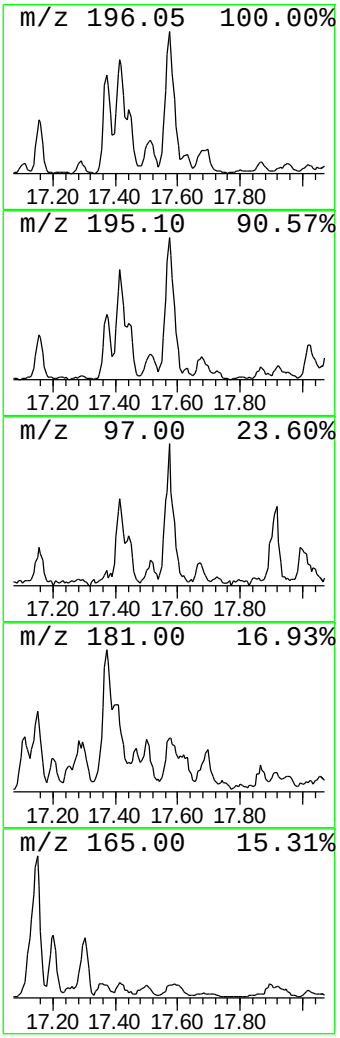
Peak Number 26 Phenol, 4-(2-phenylethenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	17.46 ng/ul	570019	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
2	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	47
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46
5	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	43





Library Search Compound Report

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Data File : BG027545.D
Acq On : 20 Jun 2017 1:36
Operator : SJ/MA
Sample : I3627-20 25X
Misc :
ALS Vial : 24 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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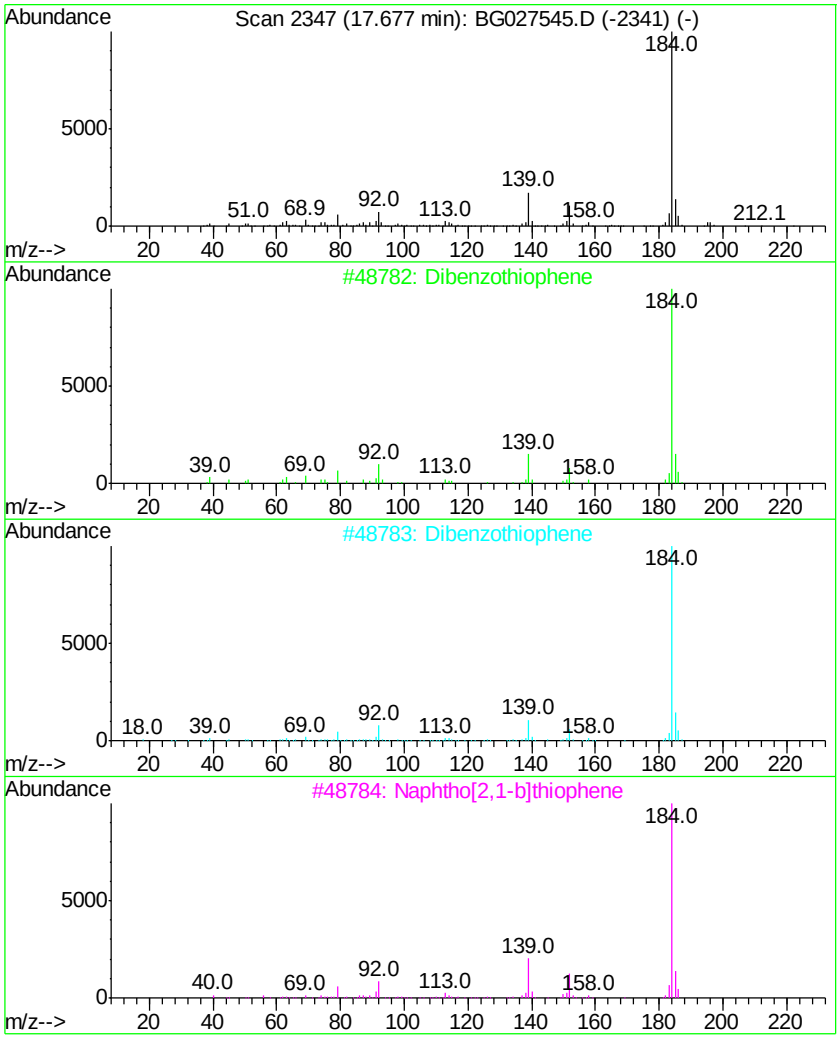
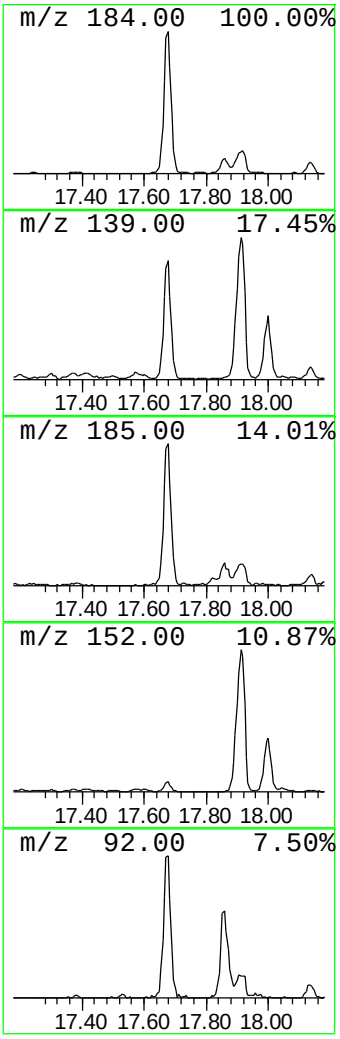
Peak Number 27 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	26.77 ng/ul	873930	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95





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Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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Quant Title : SVOA CALIBRATION

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

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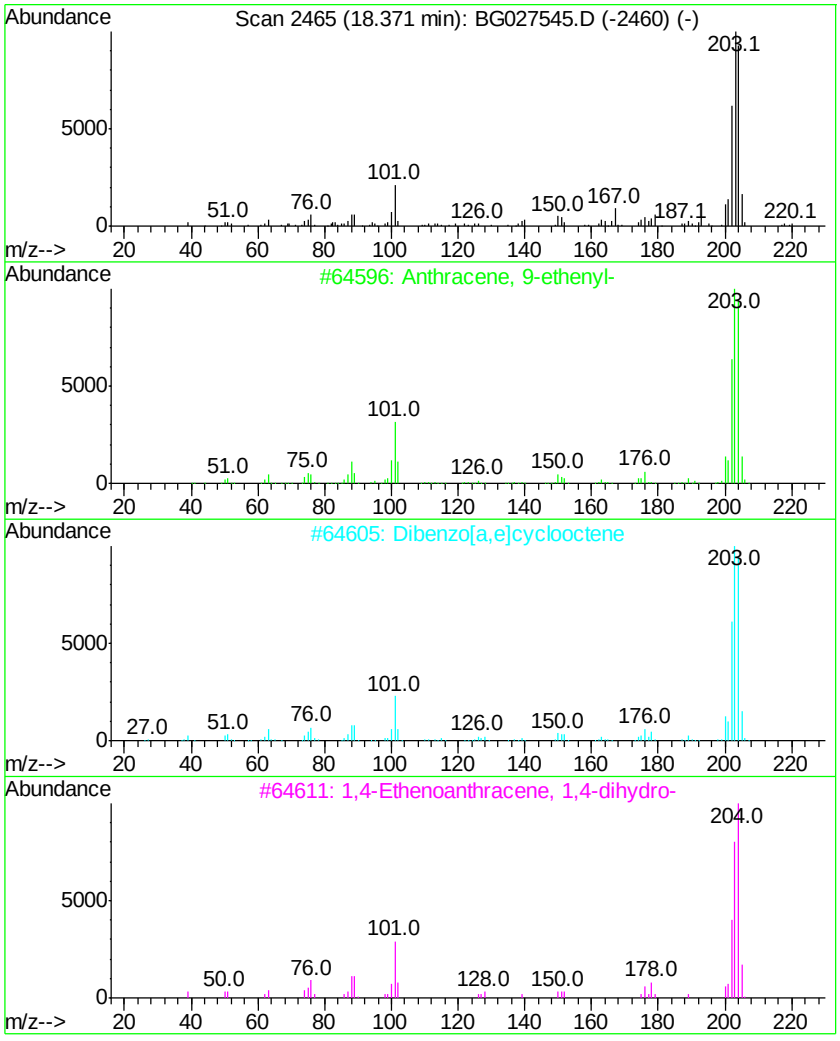
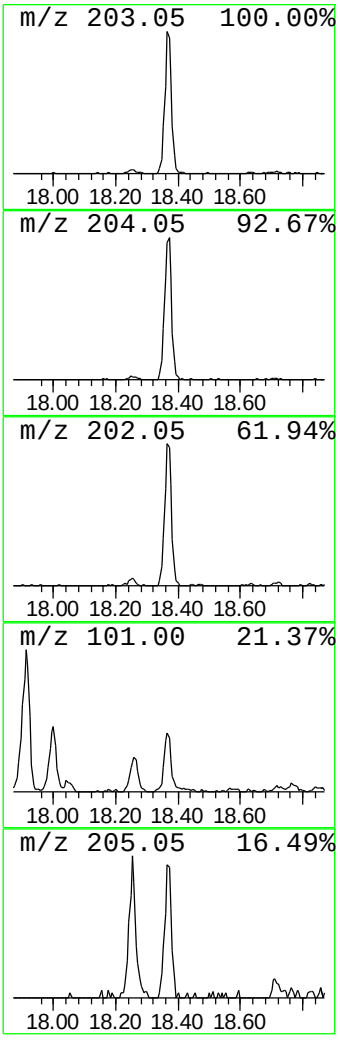
Peak Number 28 Anthracene, 9-ethenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	9.07 ng/ul	295936	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	93
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	90
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	89
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86





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Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C49

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

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

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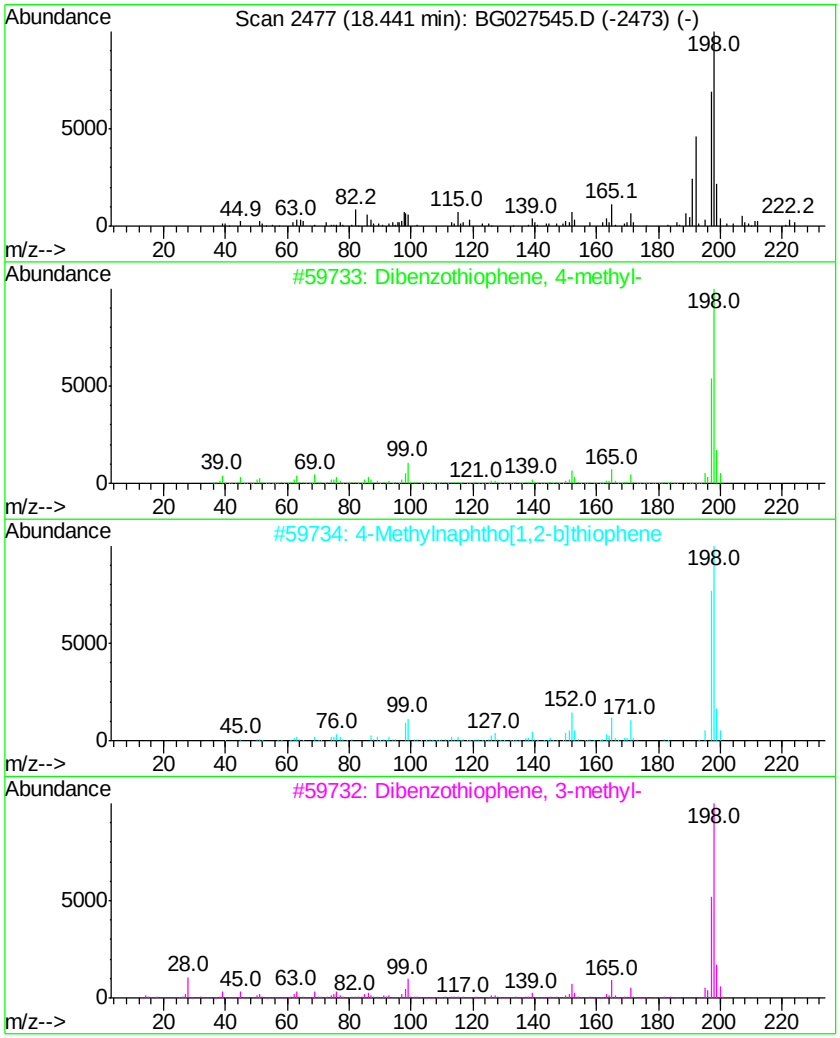
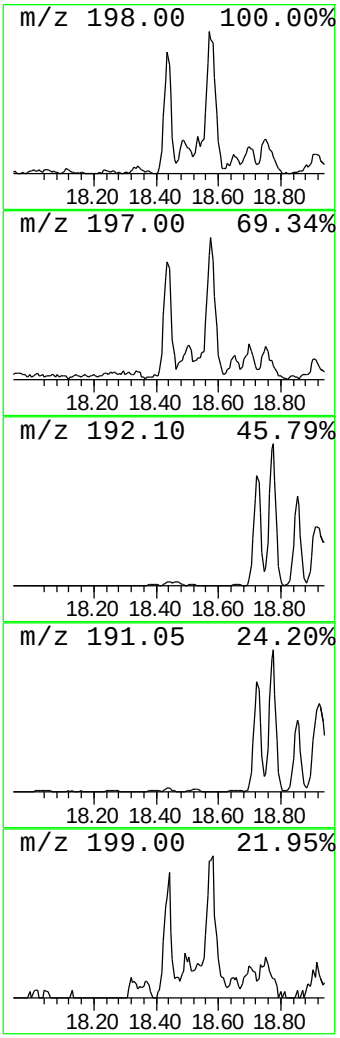
Peak Number 29 Dibenzothiophene, 4-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	6.08 ng/ul	198345	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	62
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	60
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	52





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Sample : I3627-20 25X
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
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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
TIC Integration Parameters: LSCINT.P

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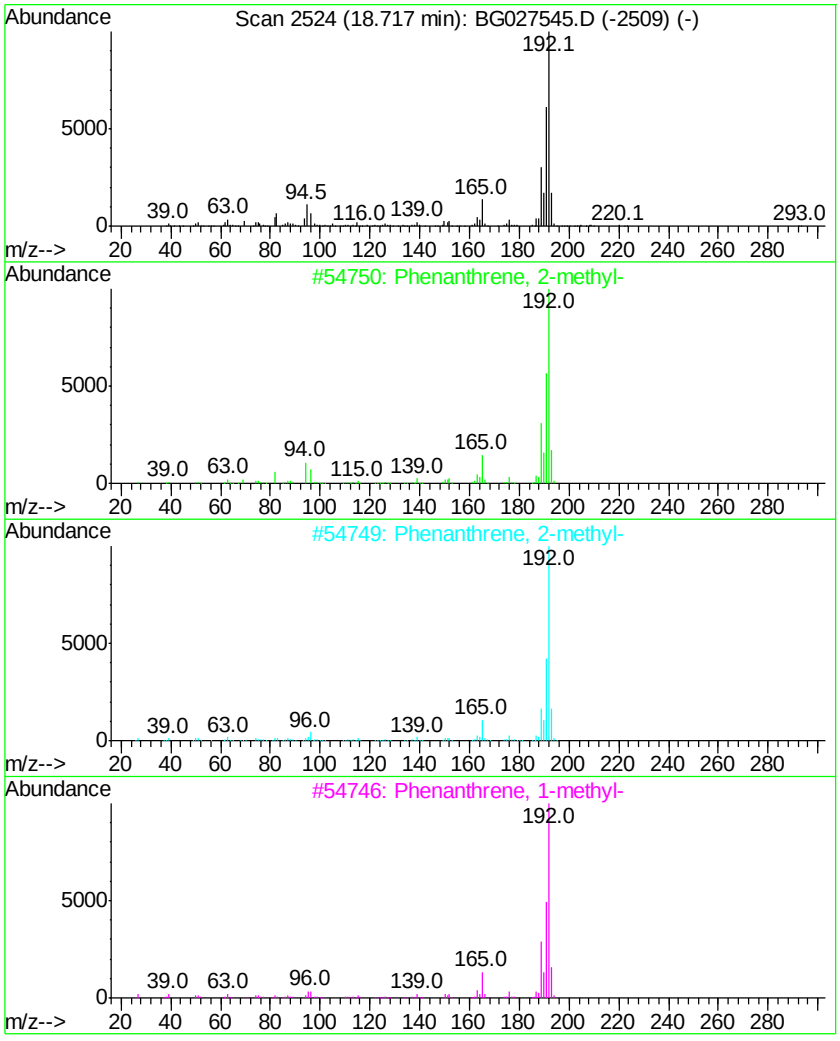
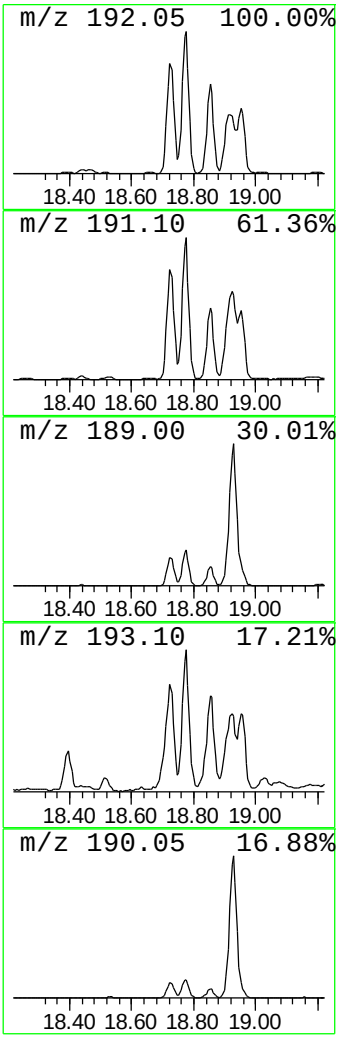
Peak Number 30 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	29.92 ng/ul	976656	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Tentatively Identified Compound (LSC) summary

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Data File : BG027545.D
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Operator : SJ/MA
Sample : I3627-20 25X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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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
Indene	9.06	14.0	ng/ul	170563	1	8.52	243970	20.0
Naphthalene, 2-et...	14.13	17.3	ng/ul	475760	3	15.10	548871	20.0
Naphthalene, 2,6-...	14.27	37.8	ng/ul	1037850	3	15.10	548871	20.0
Naphthalene, 2,3-...	14.42	36.5	ng/ul	1000410	3	15.10	548871	20.0
Naphthalene, 2-(1...	15.30	7.4	ng/ul	203481	3	15.10	548871	20.0
1-Isopropenylnaph...	15.41	9.7	ng/ul	265868	3	15.10	548871	20.0
Naphthalene, 2,3,...	15.56	8.5	ng/ul	233248	3	15.10	548871	20.0
Naphthalene, 1,4,...	15.76	8.1	ng/ul	223014	3	15.10	548871	20.0
Naphthalene, 1,6,...	15.90	14.5	ng/ul	398386	3	15.10	548871	20.0
Fluorene, 2,4a-di...	16.31	17.1	ng/ul	468082	3	15.10	548871	20.0
1,1'-Biphenyl, 2-...	16.40	8.2	ng/ul	225395	3	15.10	548871	20.0
Dibenzofuran, 4-m...	16.44	22.6	ng/ul	619172	3	15.10	548871	20.0
Naphthalene, 1,2,...	16.78	11.8	ng/ul	386597	4	17.86	652821	20.0
Anthracene, 9,10-...	16.94	7.3	ng/ul	237474	4	17.86	652821	20.0
9H-Fluorene, 1-me...	17.15	24.4	ng/ul	797961	4	17.86	652821	20.0
9H-Fluorene, 2-me...	17.20	5.1	ng/ul	167789	4	17.86	652821	20.0
(3H)Benzo[c]pyrro...	17.30	8.4	ng/ul	272982	4	17.86	652821	20.0
2,2-Dimethyl-1-ac...	17.37	9.7	ng/ul	317485	4	17.86	652821	20.0
Dibenz[c,e]oxepin...	17.41	11.2	ng/ul	366873	4	17.86	652821	20.0
Phenol, 4-(2-phen...	17.57	17.5	ng/ul	570019	4	17.86	652821	20.0
Dibenzothiophene	17.68	26.8	ng/ul	873930	4	17.86	652821	20.0
Anthracene, 9-eth...	18.37	9.1	ng/ul	295936	4	17.86	652821	20.0
Dibenzothiophene,...	18.44	6.1	ng/ul	198345	4	17.86	652821	20.0
Phenanthrene, 2-m...	18.72	29.9	ng/ul	976656	4	17.86	652821	20.0