LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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	8.520	778	788	799	rVB	139451	256259	1.71%	0.222%
2	8.896	844	852	865	rVB	191375	368774	2.46%	0.320%
3	9.060	873	880	888	rVV	257975	467243	3.12%	0.405%
4	9.995	1032	1039	1046	rVV	65044	153379	1.02%	0.133%
5	10.723	1149	1163	1176	rBV8	96391	356710	2.38%	0.309%
6	11.410	1260	1280	1291	rVV	6236406	14964264	100.00%	12.982%
7	11.516	1291	1298	1310	rVV	400719	800625	5.35%	0.695%
8	12.962	1532	1544	1556	rBV	2997848	5377110	35.93%	4.665%
9	13.173	1569	1580	1588	rVB	1427902	2537993	16.96%	2.202%
10	13.937	1696	1710	1721	rBV	762508	1275913	8.53%	1.107%
11	14.131	1731	1743	1755	rVB	238284	519491	3.47%	0.451%
12	14.266	1755	1766	1776	rBV2	441389	1221574	8.16%	1.060%
13	14.425	1785	1793	1798	rVV	577546	1117339	7.47%	0.969%
14	14.477	1798	1802	1810	rVV	409280	677416	4.53%	0.588%
15	14.660	1825	1833	1844	rVB	248306	536071	3.58%	0.465%
16	14.824	1850	1861	1869	rBV3	208157	420231	2.81%	0.365%
17	15.065	1890	1902	1905	rBV	293786	493460	3.30%	0.428%
18	15.106	1905	1909	1914	rVV2	334241	565233	3.78%	0.490%
19	15.177	1914	1921	1927	rVV	2913605	4978796	33.27%	4.319%
20	15.230	1927	1930	1935	rVB	126021	197886	1.32%	0.172%
21	15.300	1935	1942	1950	rBV3	69161	167688	1.12%	0.145%
22	15.406	1950	1960	1969	rBV2	113019	291719	1.95%	0.253%
23	15.506	1969	1977	1983	rBV	2111080	3716874	24.84%	3.224%
24	15.564	1983	1987	1995	rVB	131444	212001	1.42%	0.184%
25	15.705	2004	2011	2016	rBV3	115241	215239	1.44%	0.187%
26	15.758	2016	2020	2032	rVB2	109515	199998	1.34%	0.174%
27	15.882	2032	2041	2044	rBV	87206	211367	1.41%	0.183%
28	16.052	2066	2070	2080	rVV4	94434	220808	1.48%	0.192%
29	16.152	2080	2087	2095	rVV	2927508	5044965	33.71%	4.377%
30	16.240	2095	2102	2104	rVV2	134193	217186	1.45%	0.188%
31	16.270	2104	2107	2110	rVV2	189130	336282	2.25%	0.292%
32	16.311	2110	2114	2119	rVV2	350804	620547	4.15%	0.538%
33	16.358	2119	2122	2125	rVV2	98249	164502	1.10%	0.143%
34	16.399	2125	2129	2131	rVV	187124	292377	1.95%	0.254%

LSC Area Percent Report

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Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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	16.434	2131	2135	2143	rVB	418591	717575	4.80%	0.623%
36	16.587	2143	2161	2169	rBV	479625	1181348	7.89%	1.025%
37	16.675	2169	2176	2182	rVV3	77747	179732	1.20%	0.156%
38	16.781	2187	2194	2205	rVB4	104655	236751	1.58%	0.205%
39	16.939	2216	2221	2225	rVV2	145481	260947	1.74%	0.226%
40	16.980	2225	2228	2243	rVV5	93527	269526	1.80%	0.234%
41	17.145	2243	2256	2261	rVV2	364512	805924	5.39%	0.699%
42	17.198	2261	2265	2270	rVV3	131827	225588	1.51%	0.196%
43	17.298	2276	2282	2287	rVB3	127196	236122	1.58%	0.205%
44	17.368	2287	2294	2298	rBV3	123657	285780	1.91%	0.248%
45	17.415	2298	2302	2310	rVV3	123725	252686	1.69%	0.219%
46	17.568	2322	2328	2336	rBV3	150573	367107	2.45%	0.318%
47	17.674	2340	2346	2362	rVB	675130	1190494	7.96%	1.033%
48	17.862	2368	2378	2380	rBV	407677	745603	4.98%	0.647%
49	17.915	2380	2387	2393	rVV	7164266	13916897	93.00%	12.073%
50	17.997	2393	2401	2413	rVB	1724286	3063907	20.47%	2.658%
51	18.255	2433	2445	2457	rVV	946403	1823336	12.18%	1.582%
52	18.367	2459	2464	2473	rBV3	98496	207570	1.39%	0.180%
53	18.573	2495	2499	2508	rVB2	69104	147980	0.99%	0.128%
54	18.725	2519	2525	2529	rVV	621433	1006502	6.73%	0.873%
55	18.772	2529	2533	2539	rVB	873858	1347572	9.01%	1.169%
56	18.849	2539	2546	2552	rBV	367893	656880	4.39%	0.570%
57	18.925	2552	2559	2570	rVV2	1126719	2469249	16.50%	2.142%
58	19.148	2589	2597	2602	rVV4	70863	146184	0.98%	0.127%
59	19.207	2602	2607	2613	rVB	452476	662931	4.43%	0.575%
60	19.448	2638	2648	2652	rVV4	109283	210208	1.40%	0.182%
61	19.495	2652	2656	2660	rVV	102323	161662	1.08%	0.140%
62	19.619	2669	2677	2682	rBV	205100	414810	2.77%	0.360%
63	19.689	2682	2689	2697	rVB3	133843	337852	2.26%	0.293%
64	19.901	2715	2725	2735	rBV	4865335	8316837	55.58%	7.215%
65	19.983	2735	2739	2743	rVB3	95435	145956	0.98%	0.127%
66	20.136	2760	2765	2773	rVB	188073	375641	2.51%	0.326%
67	20.224	2773	2780	2782	rBV2	926164	1740421	11.63%	1.510%
68	20.259	2782	2786	2792	rVB	3319323	5251271	35.09%	4.556%
69	20.312	2793	2795	2803	rVB2	196703	276462	1.85%	0.240%
70	20.423	2804	2814	2818	rBV	229179	354852	2.37%	0.308%
71	20.570	2831	2839	2844	rBV4	236023	587734	3.93%	0.510%

LSC Area Percent Report

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Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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	20.623	2844	2848	2853	rVB	143687	205790	1.38%	0.179%
73	20.735	2853	2867	2876	rVB	758517	1527476	10.21%	1.325%
74	20.841	2876	2885	2889	rBV	849853	1359414	9.08%	1.179%
75	20.899	2890	2895	2899	rVV2	234104	496072	3.32%	0.430%
76	20.940	2899	2902	2905	rVV3	101401	150179	1.00%	0.130%
77	21.052	2915	2921	2925	rBV	108650	185996	1.24%	0.161%
78	21.099	2925	2929	2936	rVB3	103054	191997	1.28%	0.167%
79	21.293	2956	2962	2970	rBV3	99329	215231	1.44%	0.187%
80	21.499	2992	2997	3003	rBV	92359	194295	1.30%	0.169%
81	21.763	3032	3042	3046	rBV	218926	435916	2.91%	0.378%
82	21.810	3046	3050	3055	rVB	170753	282949	1.89%	0.245%
83	21.869	3055	3060	3065	rBV2	157346	288253	1.93%	0.250%
84	22.069	3085	3094	3102	rBV2	68876	190143	1.27%	0.165%
85	22.215	3107	3119	3126	rBV3	1250079	3349385	22.38%	2.906%
86	22.286	3126	3131	3144	rVB	755787	1573882	10.52%	1.365%
87	22.456	3154	3160	3169	rBV	192193	397304	2.66%	0.345%
88	22.686	3192	3199	3207	rVB2	129680	279980	1.87%	0.243%
89	22.962	3229	3246	3251	rBV4	41009	175778	1.17%	0.152%
90	23.044	3251	3260	3267	rVV	103019	282403	1.89%	0.245%
91	23.361	3308	3314	3318	rVV4	56321	146255	0.98%	0.127%
92	23.414	3318	3323	3331	rVB3	87688	210583	1.41%	0.183%
93	23.508	3332	3339	3355	rVB5	57556	173439	1.16%	0.150%
94	24.718	3533	3545	3553	rBV	251879	1016220	6.79%	0.882%
95	25.006	3586	3594	3607	rVB2	53915	167549	1.12%	0.145%
96	25.541	3676	3685	3697	rBV2	96227	295082	1.97%	0.256%
97	25.711	3704	3714	3729	rVB	182472	609193	4.07%	0.528%
98	25.882	3730	3743	3753	rBV2	209332	751661	5.02%	0.652%
99	25.964	3755	3757	3773	rVB6	49872	152105	1.02%	0.132%
100	30.077	4443	4457	4477	rBV5	31635	190580	1.27%	0.165%

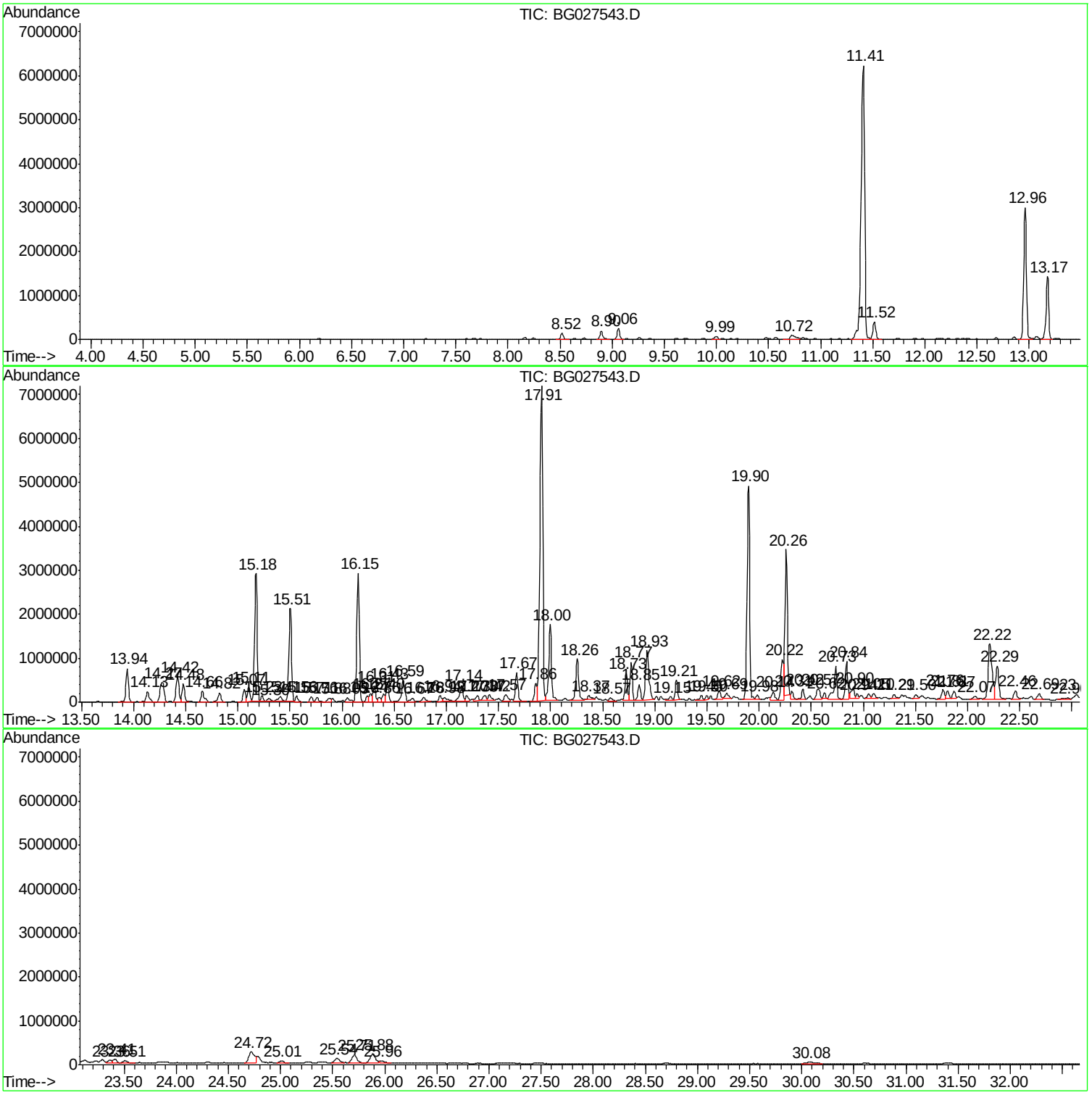
Sum of corrected areas: 115270327

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5C81

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

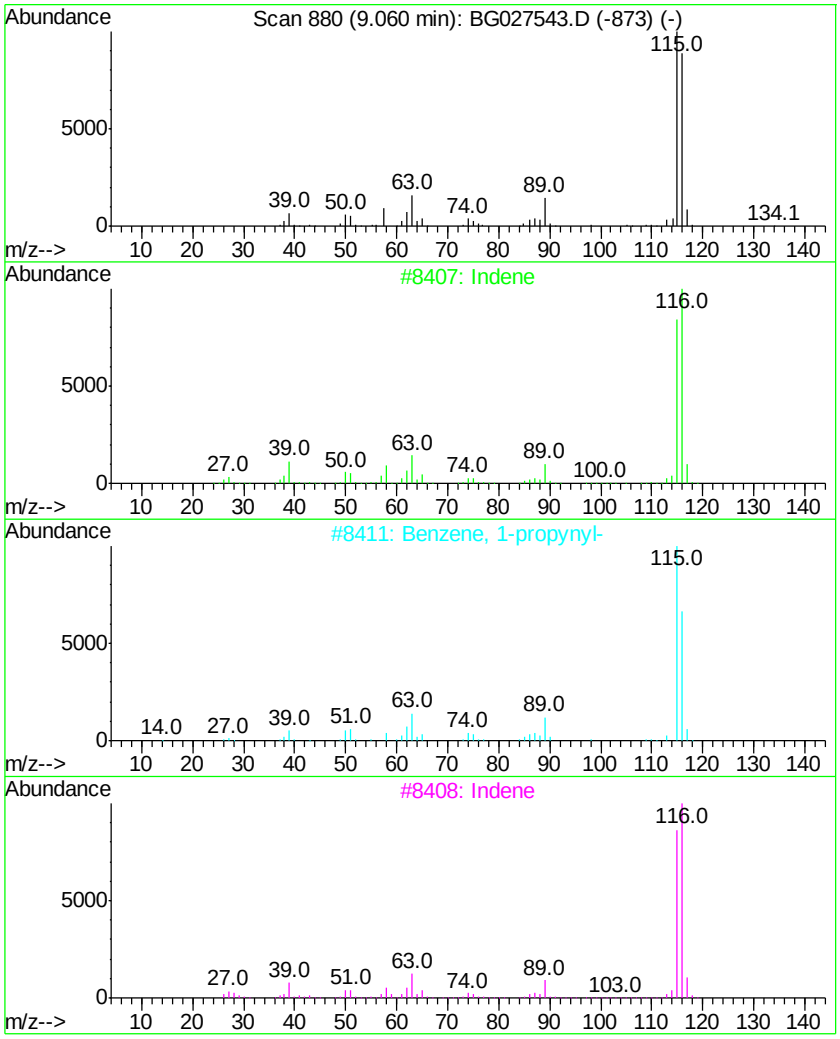
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

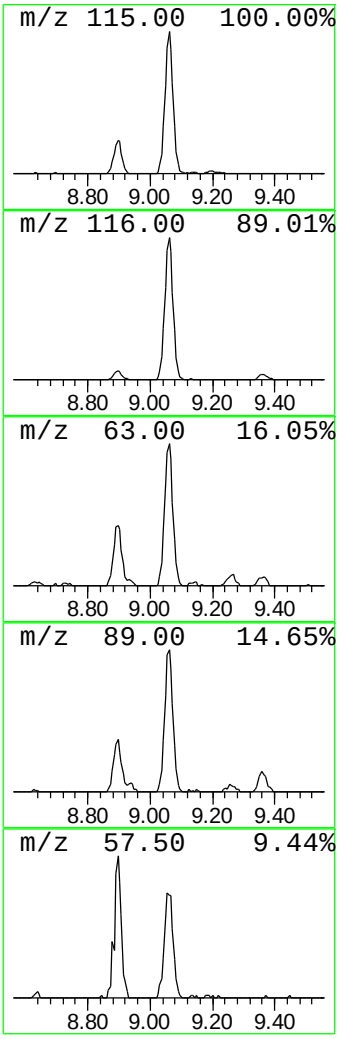
****

Peak Number 1 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	36.47 ng/ul	467243	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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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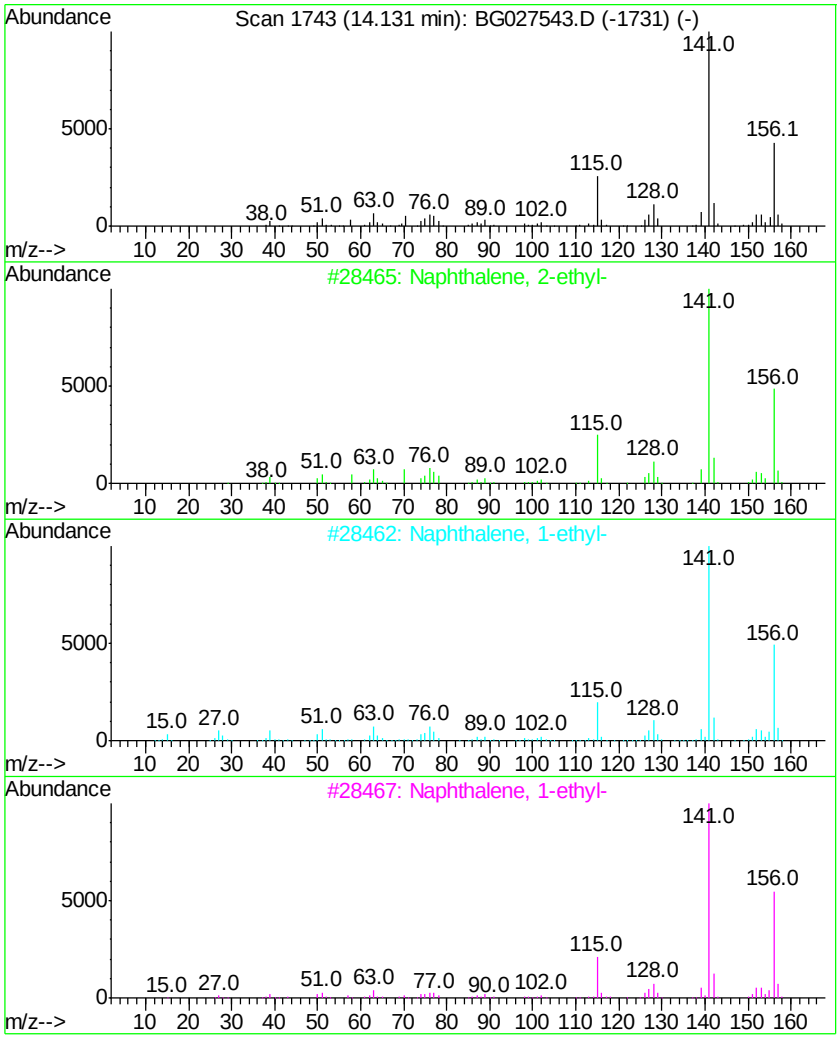
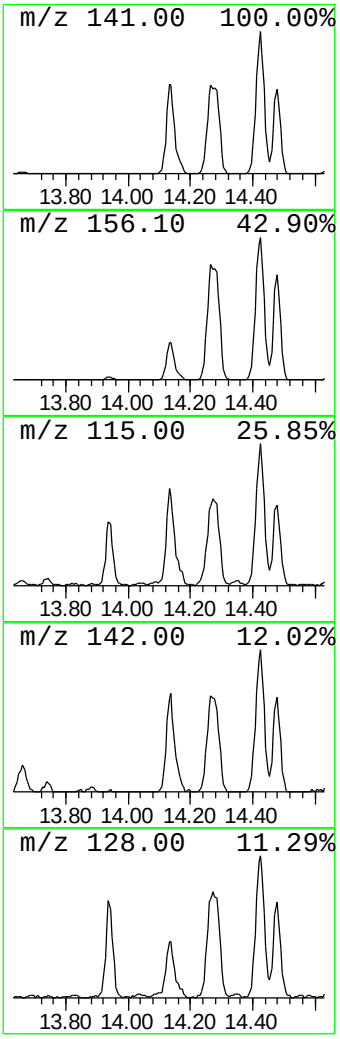
****

Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	18.38 ng/ul	519491	Acenaphthene-d10	15.11

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, 1,3-dimethyl-	156	C12H12	000575-41-7	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
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Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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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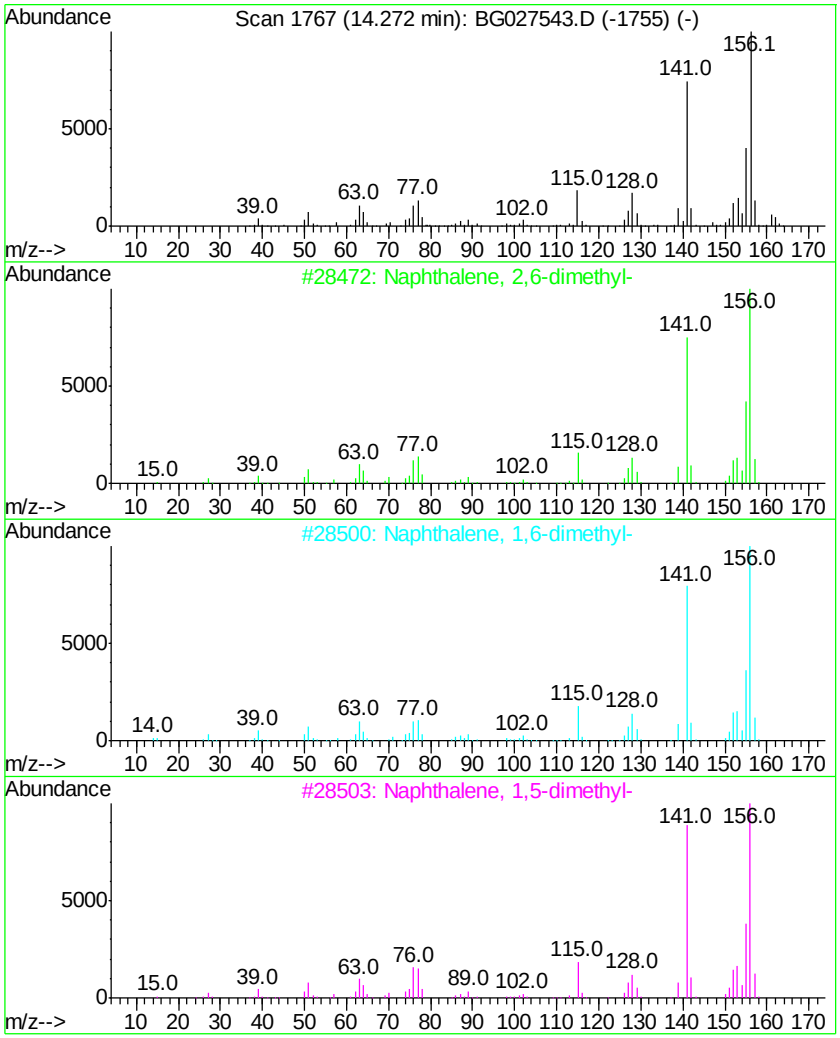
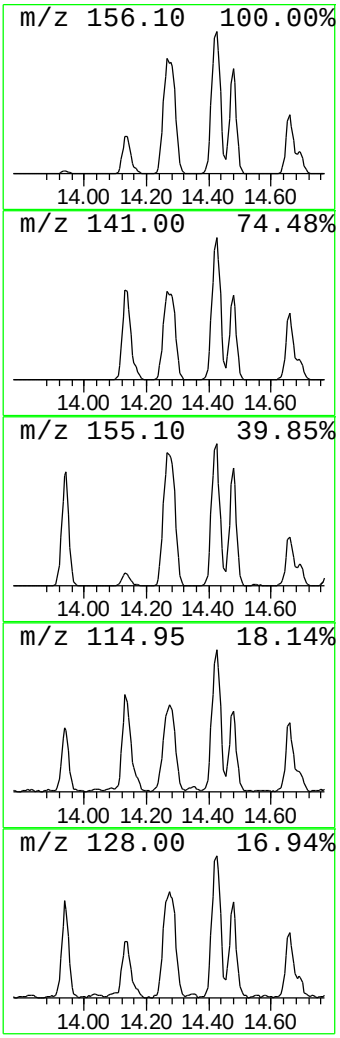
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	43.22 ng/ul	1221570	Acenaphthene-d10	15.11

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

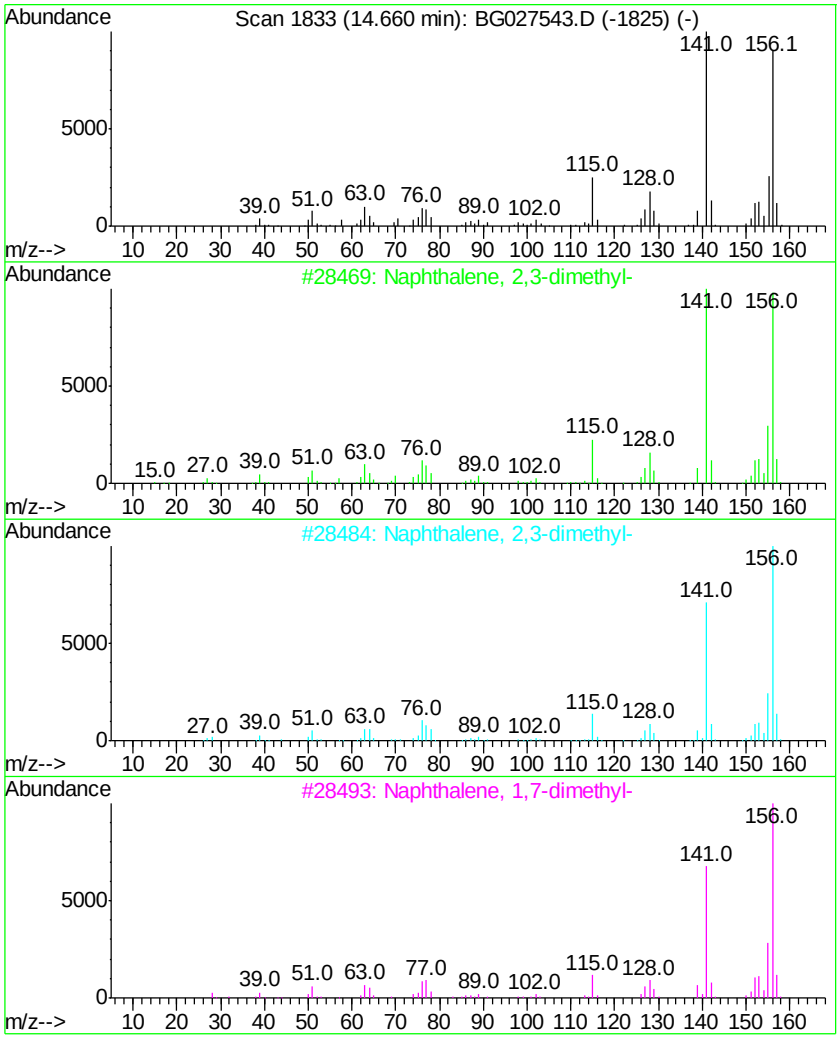
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

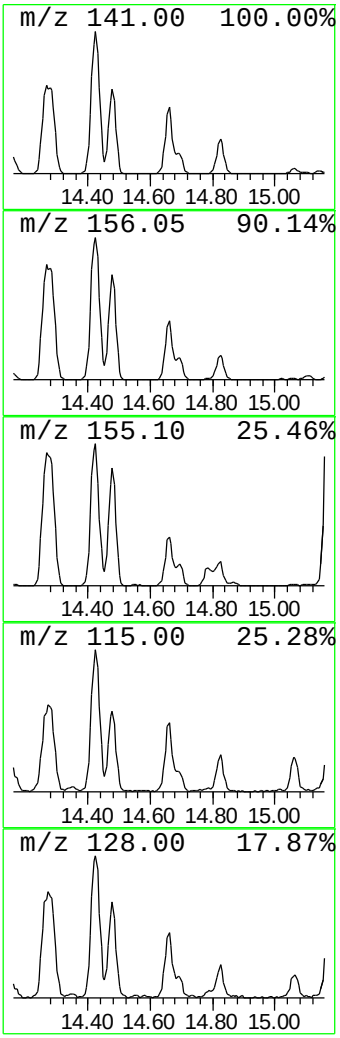
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	18.97 ng/ul	536071	Acenaphthene-d10	15.11

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

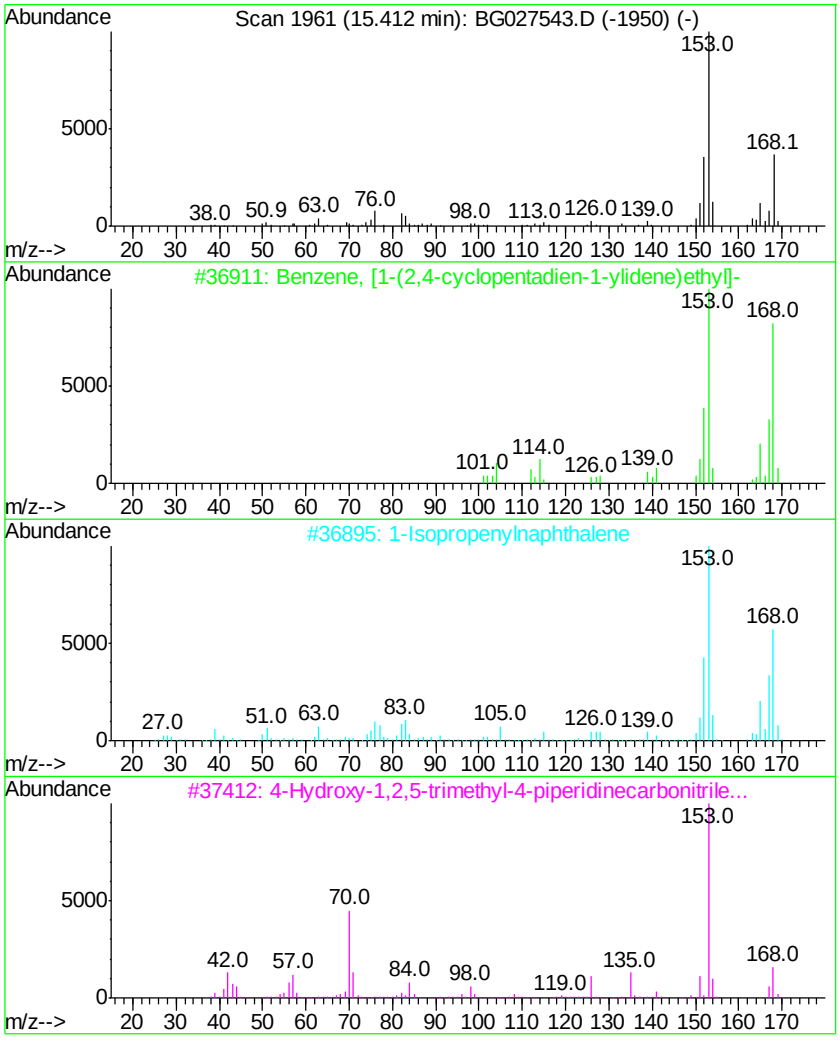
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

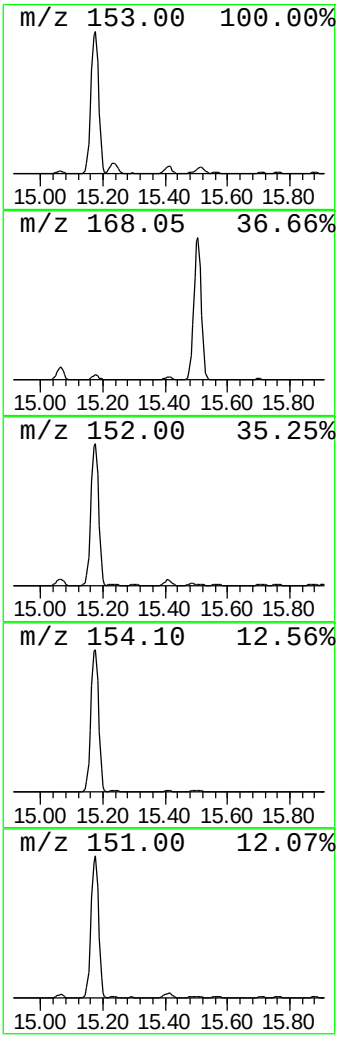
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, [1-(2,4-cyclopenta... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	10.32 ng/ul	291719	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	56
3	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	53
4	1-Cyclohexene-1-ethanol, 2,6,6-t...	168	C11H20O	000472-65-1	47
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





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Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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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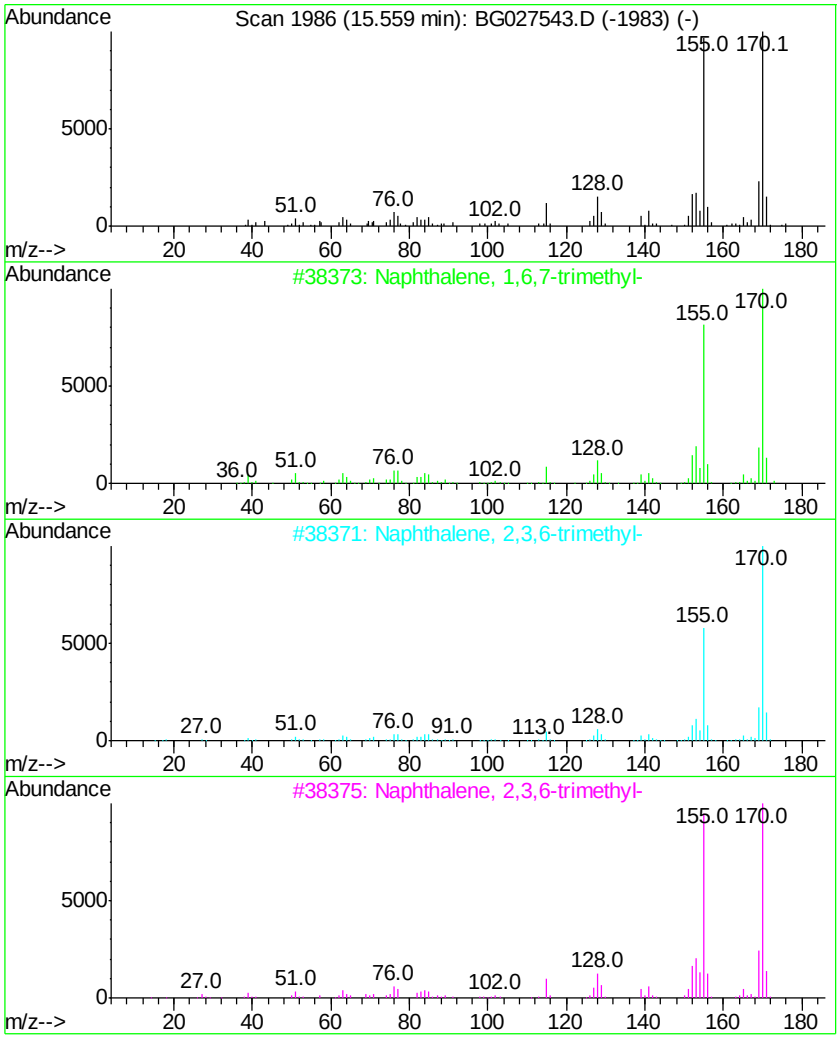
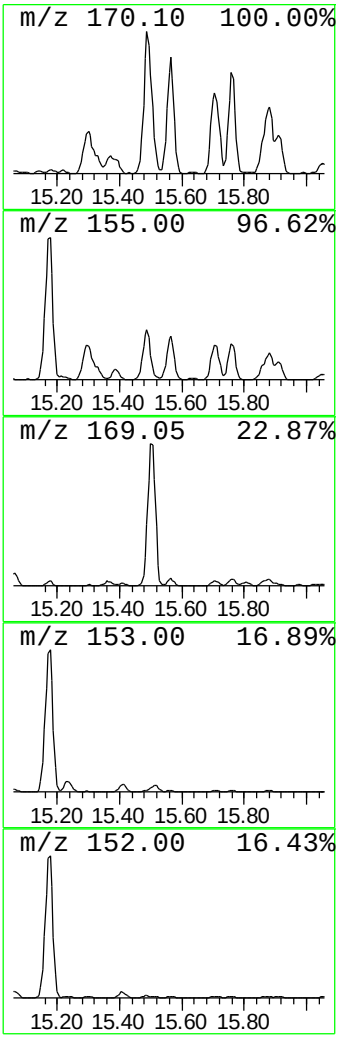
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	7.50 ng/ul	212001	Acenaphthene-d10	15.11

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





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Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

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

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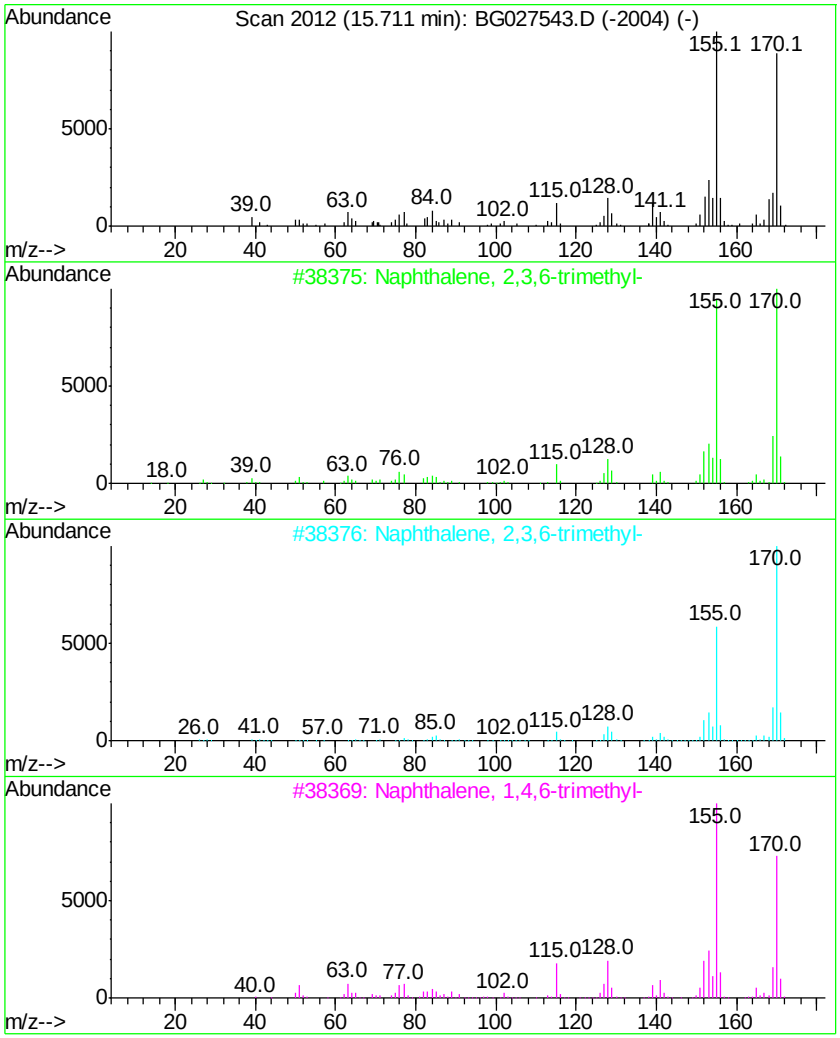
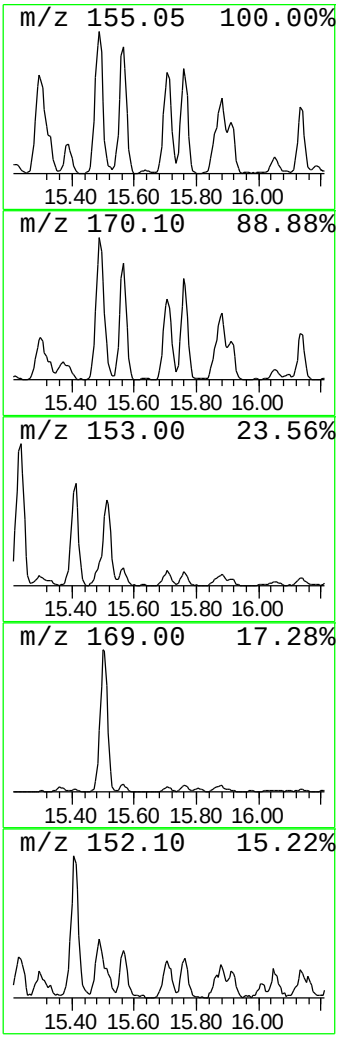
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	7.62 ng/ul	215239	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94





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Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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Quant Title : SVOA CALIBRATION

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

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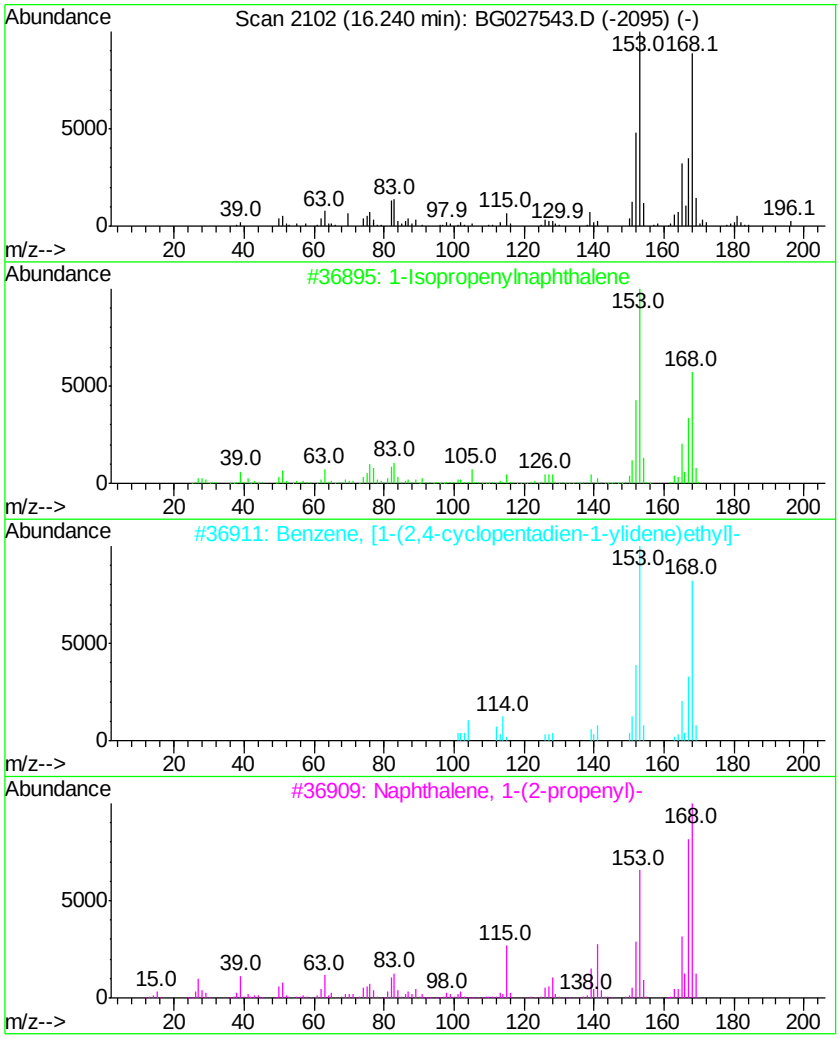
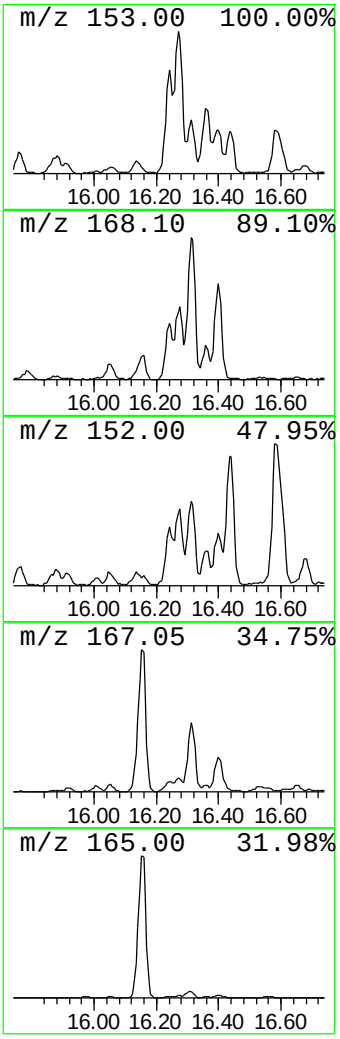
Peak Number 12 1-Isopropenylnaphthalene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	7.68 ng/ul	217186	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	91
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	83
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64





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Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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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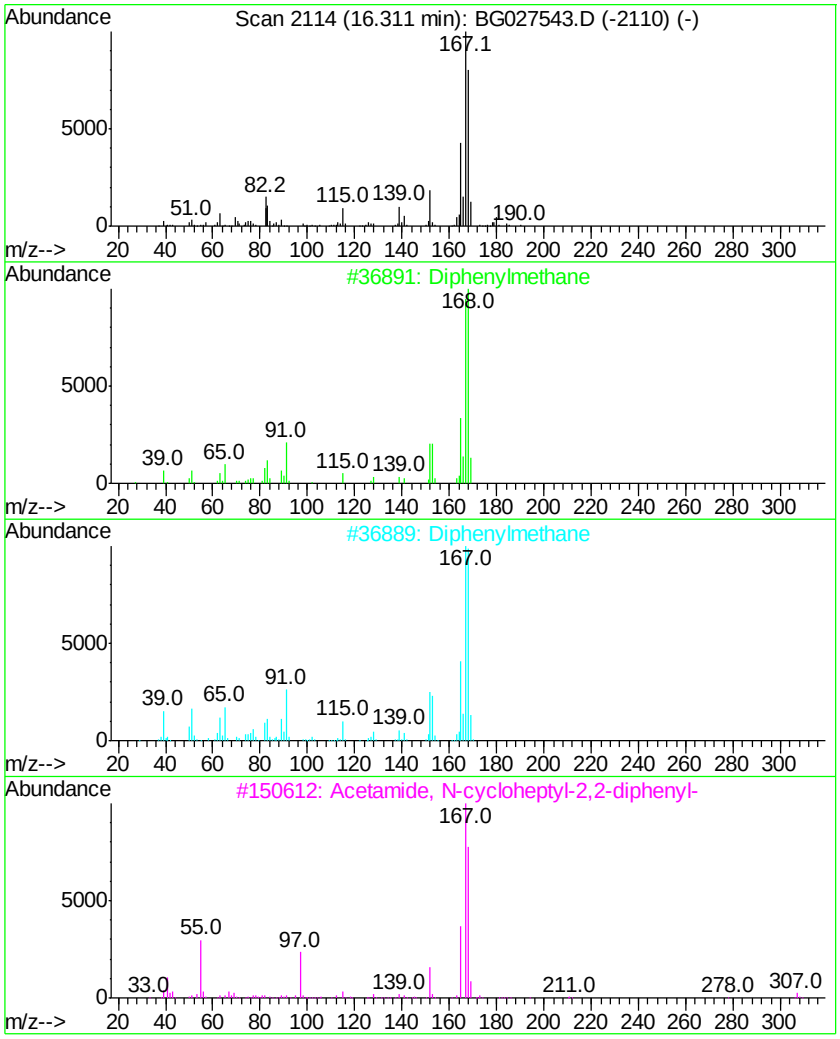
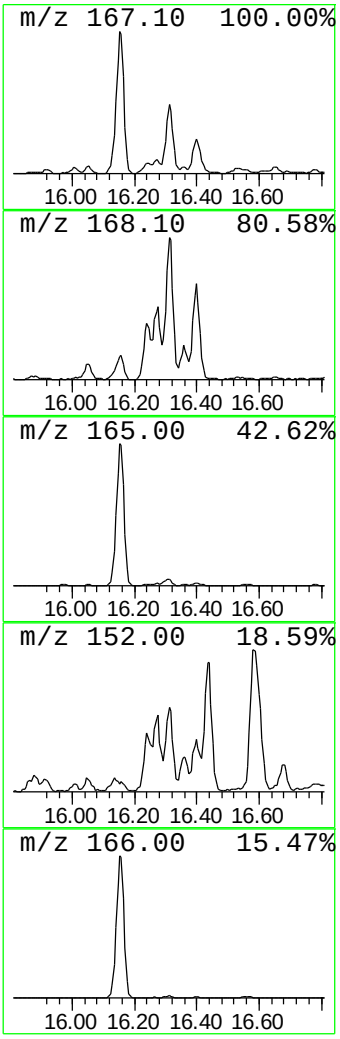
Peak Number 14 Diphenylmethane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	21.96 ng/ul	620547	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	70
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	64
4	Diphenylmethane	168	C13H12	000101-81-5	62
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





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Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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Quant Title : SVOA CALIBRATION

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

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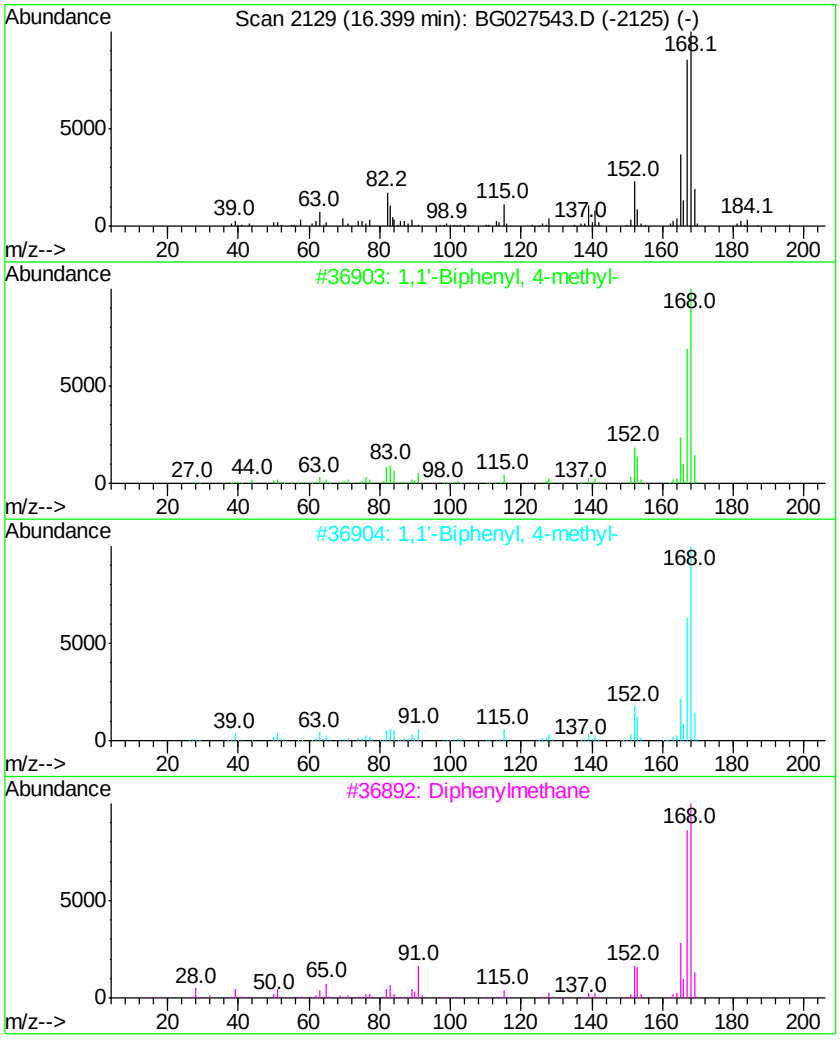
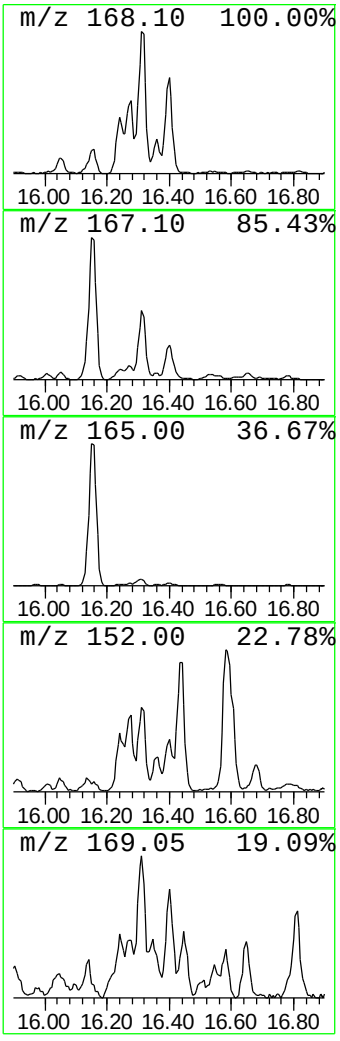
Peak Number 16 1,1'-Biphenyl, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	10.35 ng/ul	292377	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	91
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
3	Diphenylmethane	168	C13H12	000101-81-5	87
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83





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Sample : I3625-14 25X
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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Quant Title : SVOA CALIBRATION

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

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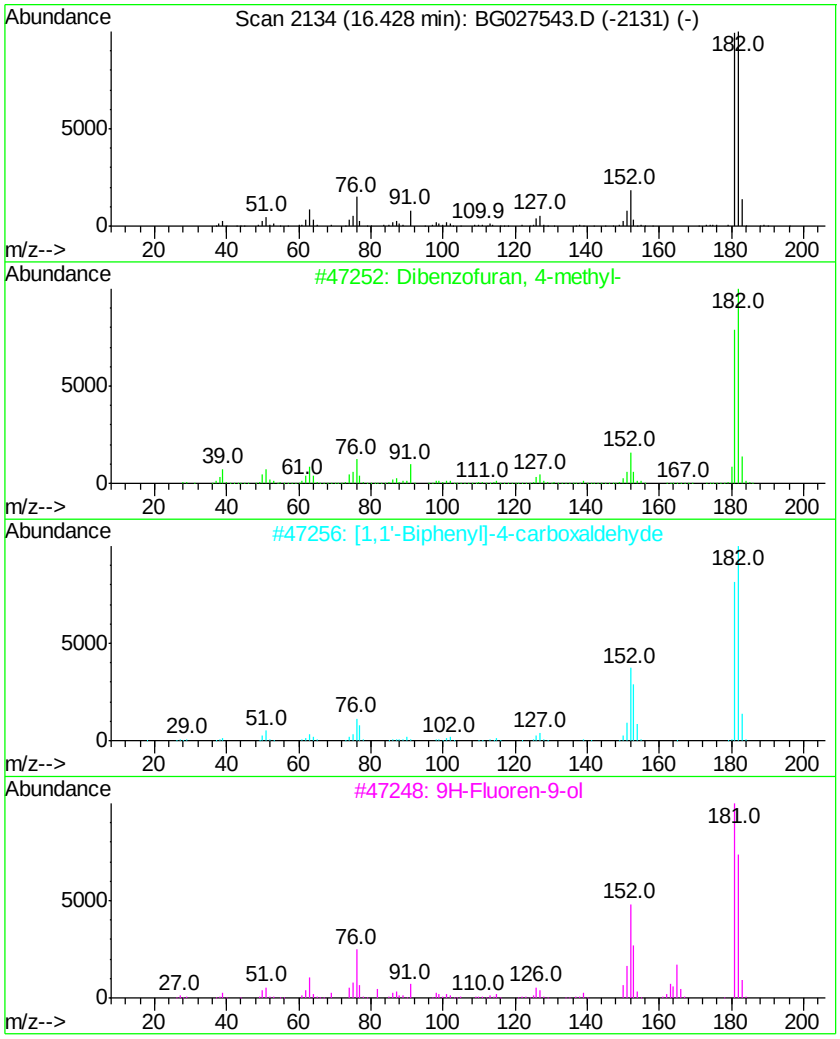
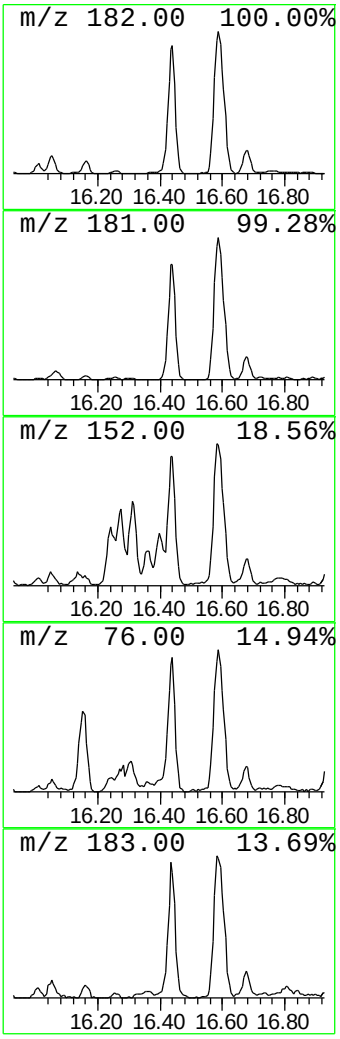
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	25.39 ng/ul	717575	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
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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Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

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

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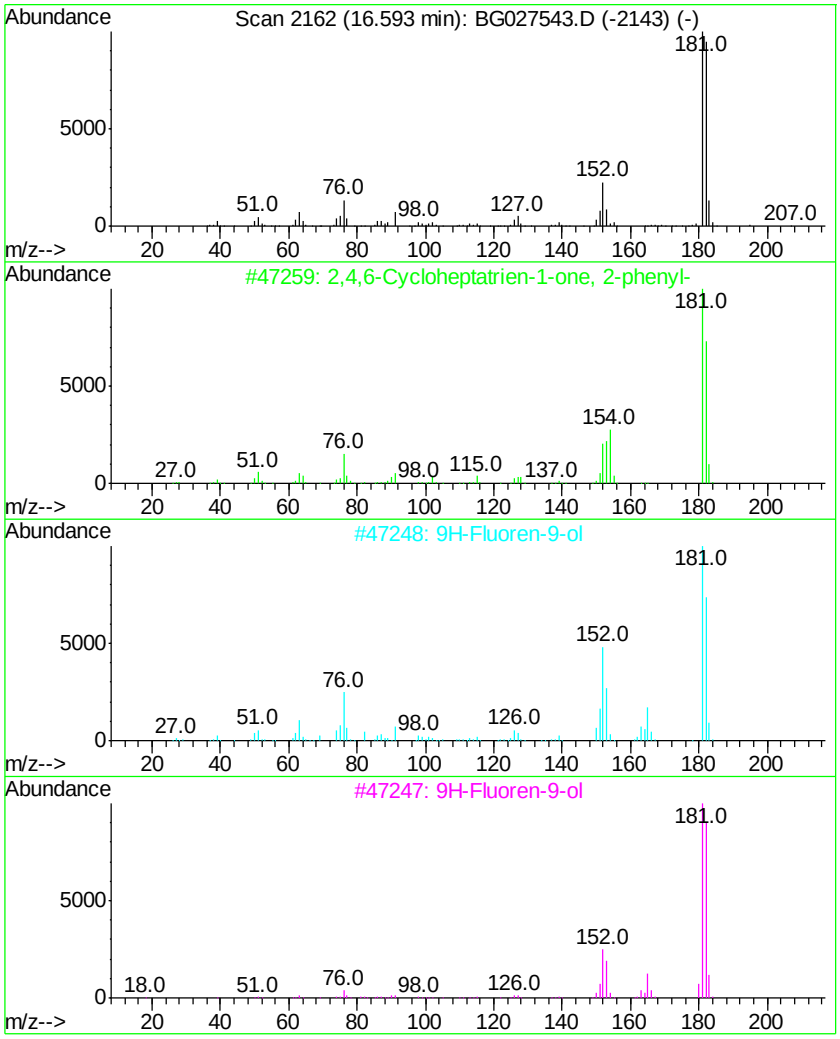
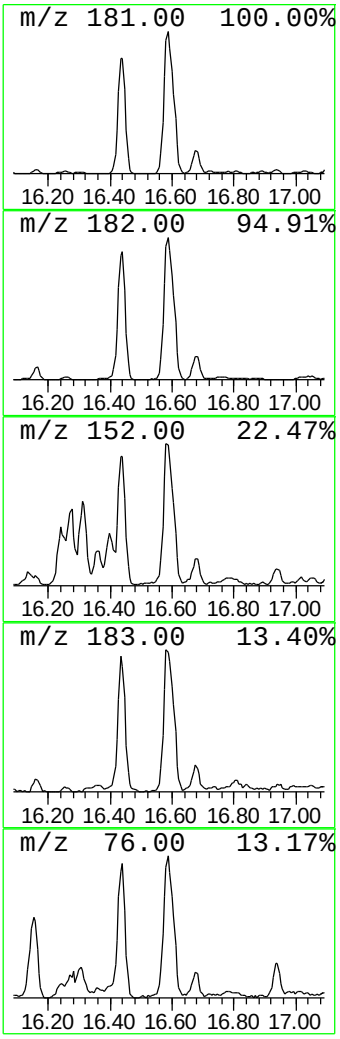
Peak Number 18 2,4,6-Cycloheptatrien-1-one... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	31.69 ng/ul	1181350	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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Quant Title : SVOA CALIBRATION

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

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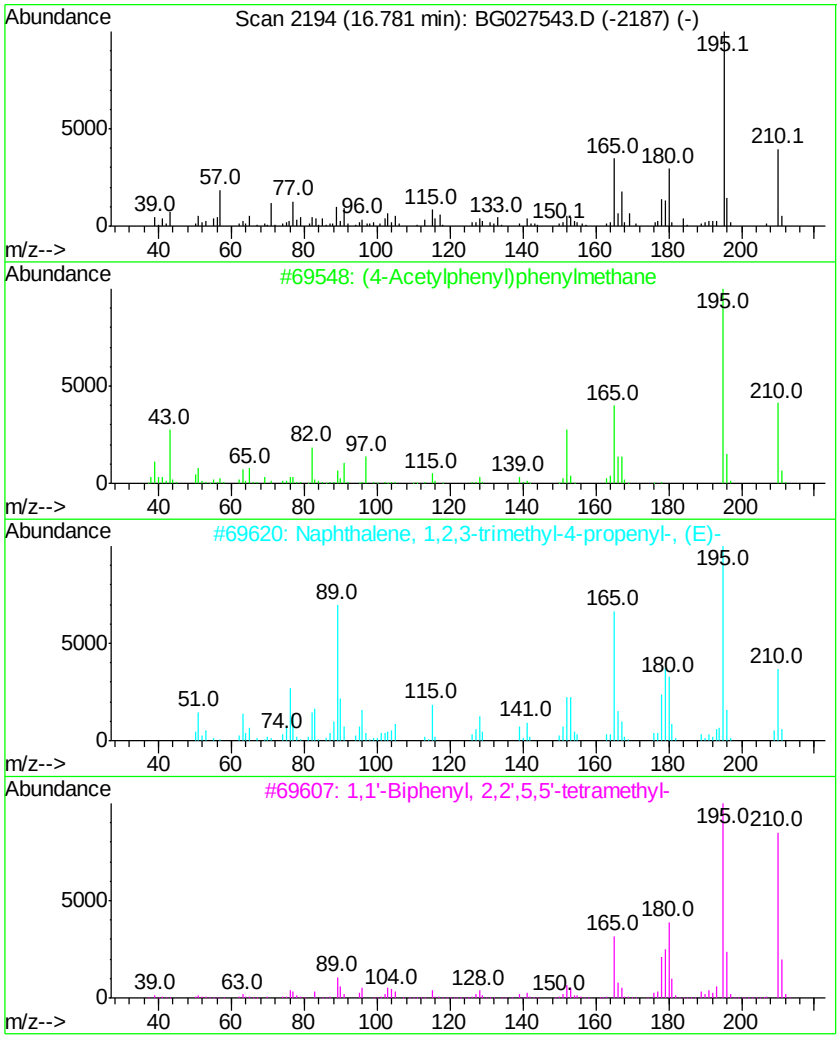
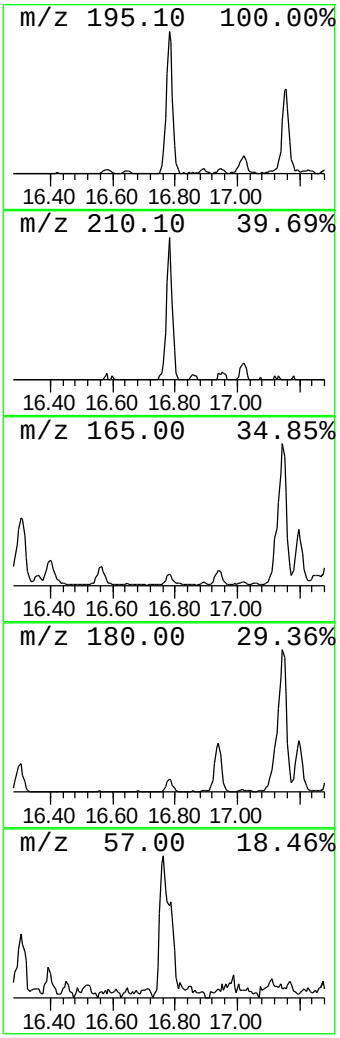
Peak Number 20 (4-Acetylphenyl)phenylmethane Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	6.35 ng/ul	236751	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	90
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	86
3	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	52
4	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	50
5	2,4,6-Trimethoxyacetophenone	210	C11H14O4	000832-58-6	50





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Sample : I3625-14 25X
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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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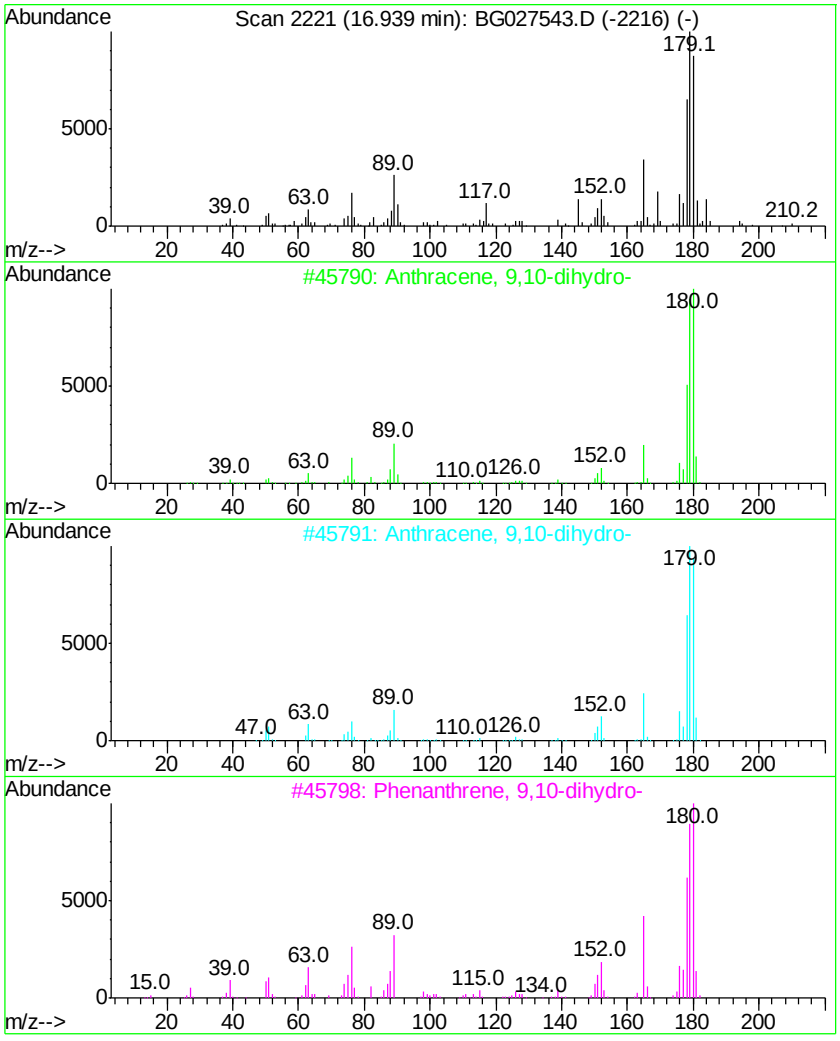
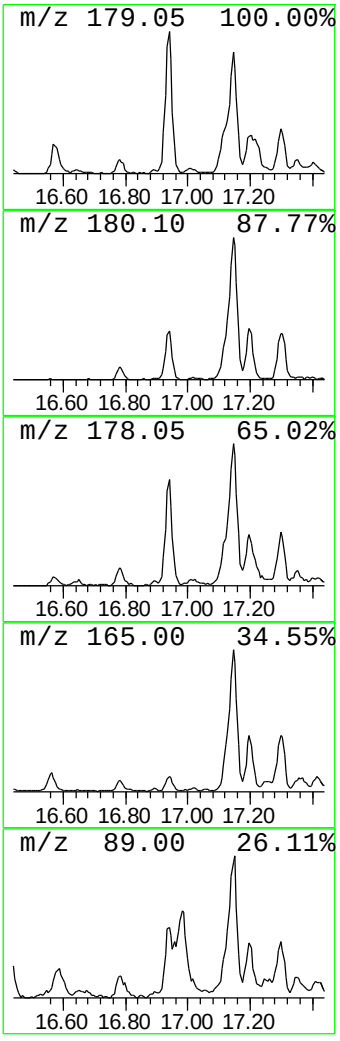
Peak Number 21 Anthracene, 9,10-dihydro- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	7.00 ng/ul	260947	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	92
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	89
5	(E)-Stilbene	180	C14H12	000103-30-0	89





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Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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Quant Title : SVOA CALIBRATION

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

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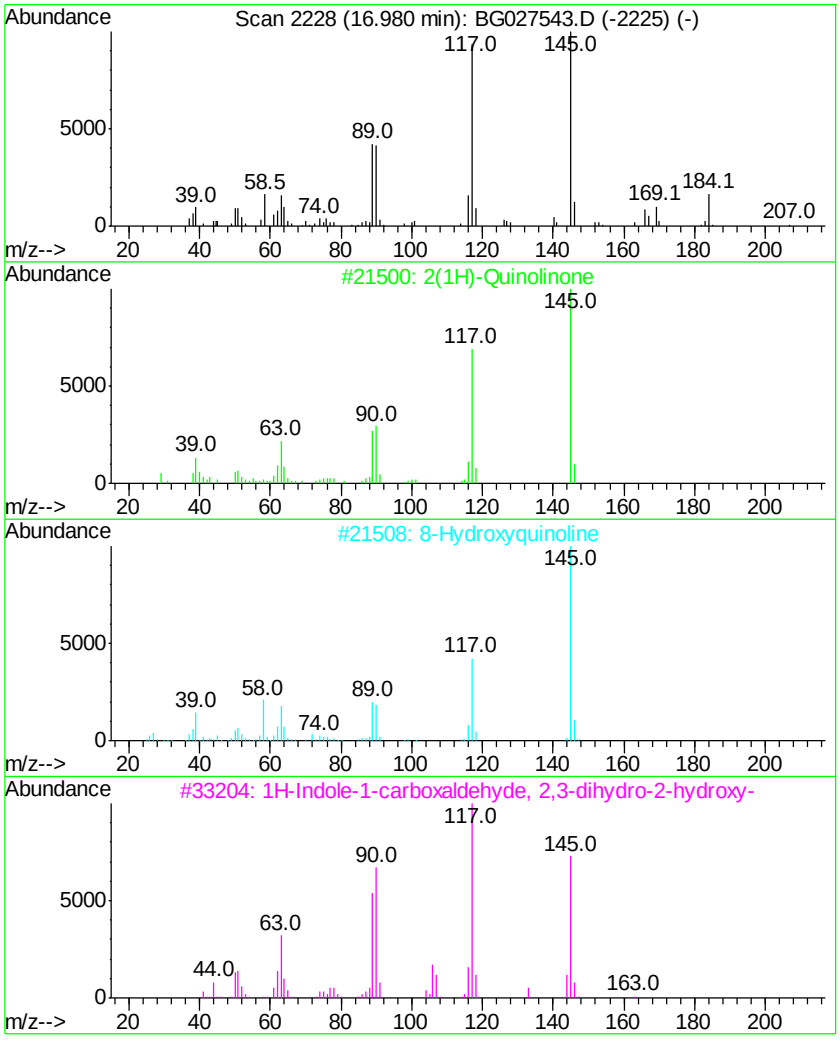
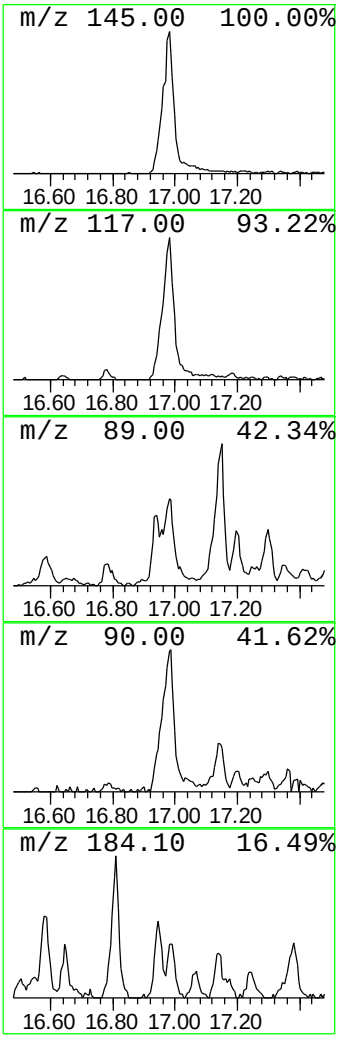
Peak Number 22 2(1H)-Quinolinone Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	7.23 ng/ul	269526	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	93
2	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	93
3	1H-Indole-1-carboxaldehyde, 2,3-...	163	C9H9NO2	013303-68-9	93
4	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	93
5	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	90





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Sample : I3625-14 25X
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Quant Title : SVOA CALIBRATION

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

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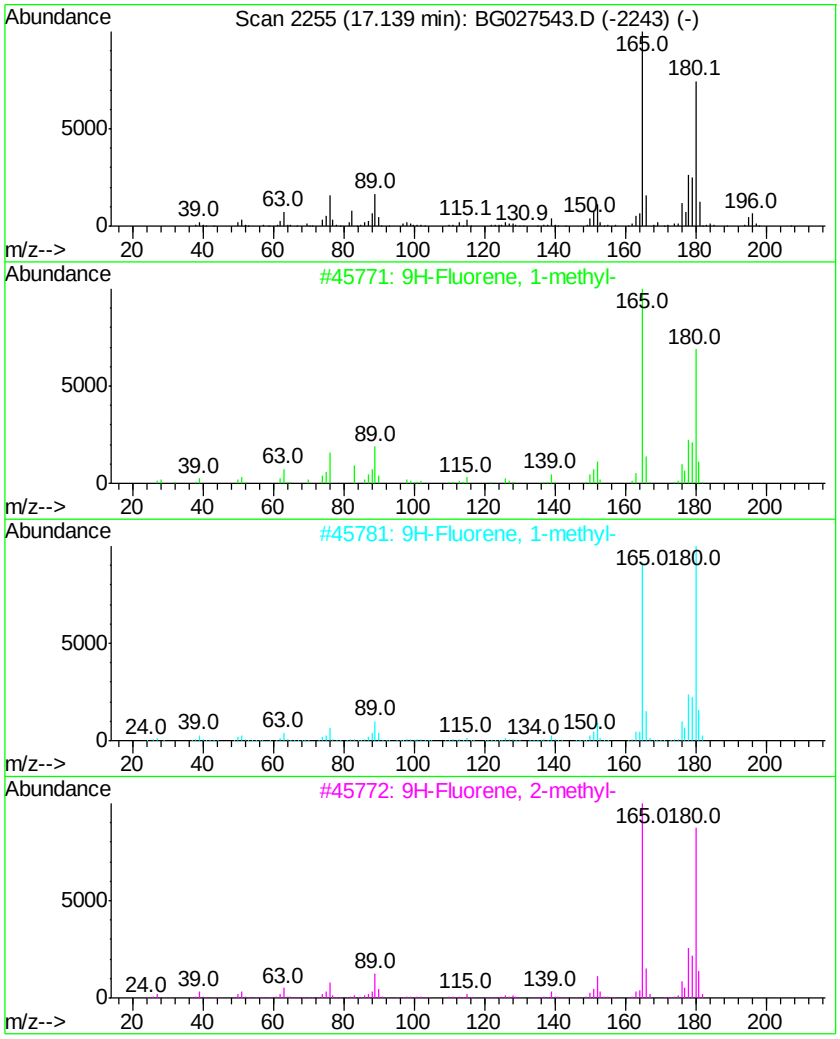
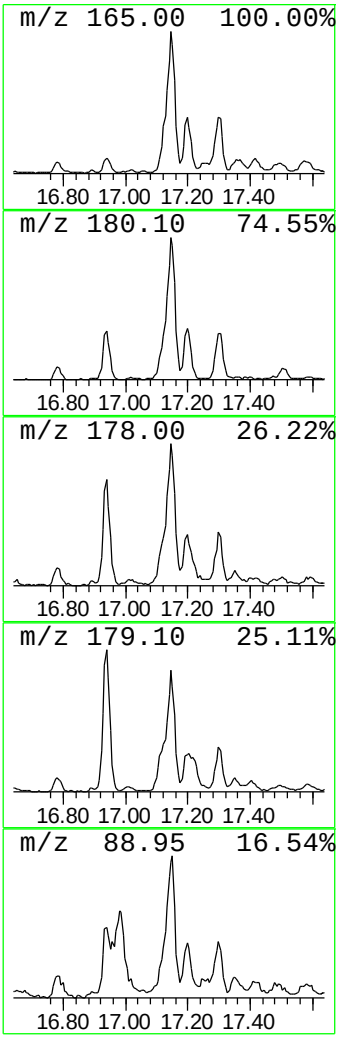
Peak Number 23 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	21.62 ng/ul	805924	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93





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Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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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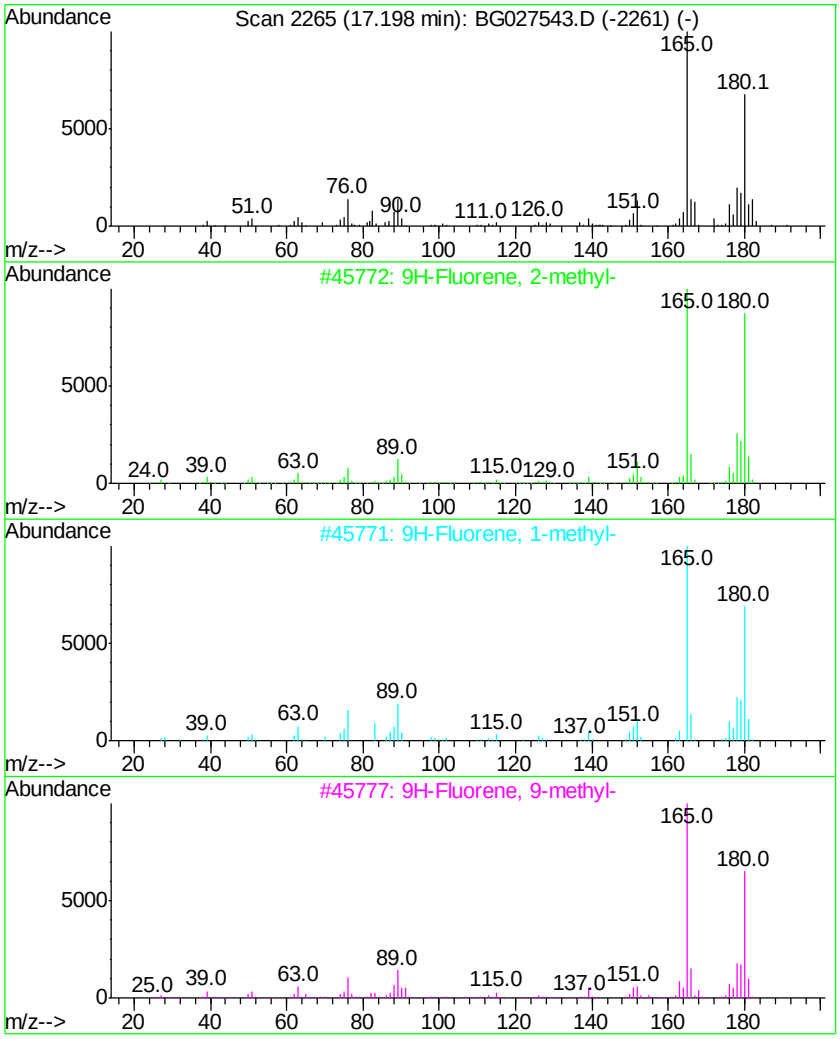
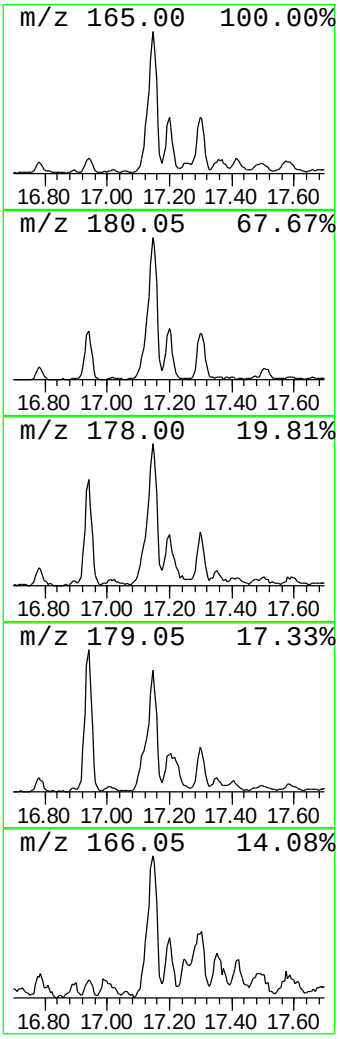
Peak Number 24 9H-Fluorene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	6.05 ng/ul	225588	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

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

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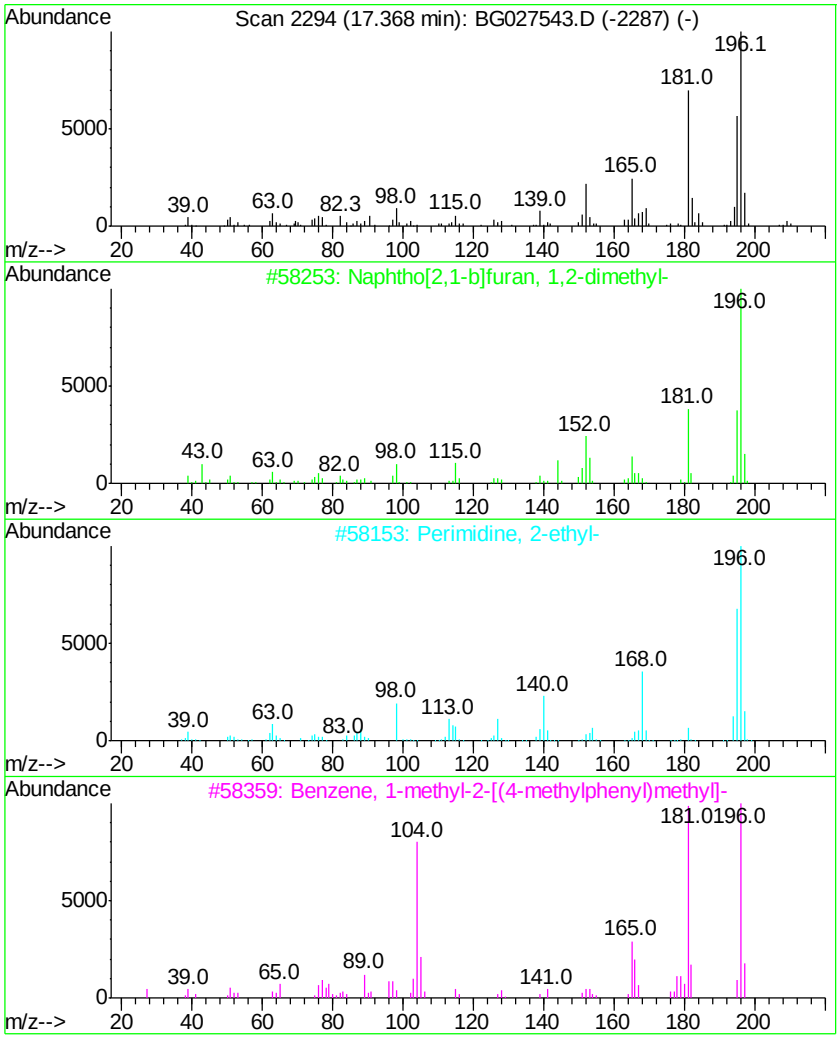
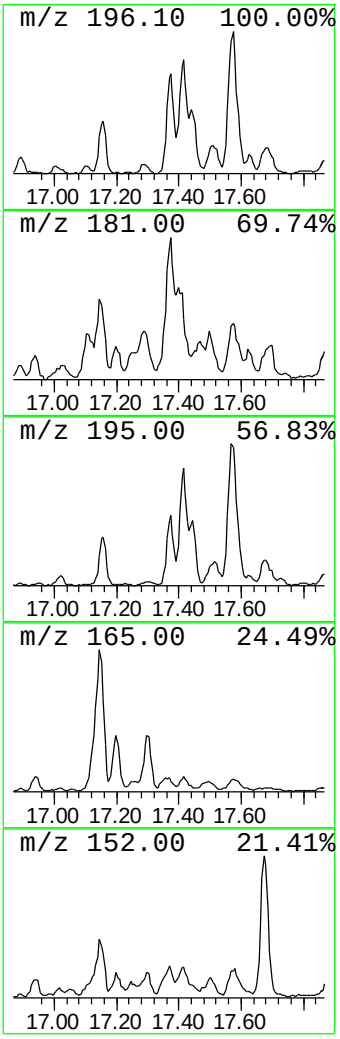
Peak Number 26 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	7.67 ng/ul	285780	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	53
3	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	50
4	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	47
5	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	43





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Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

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

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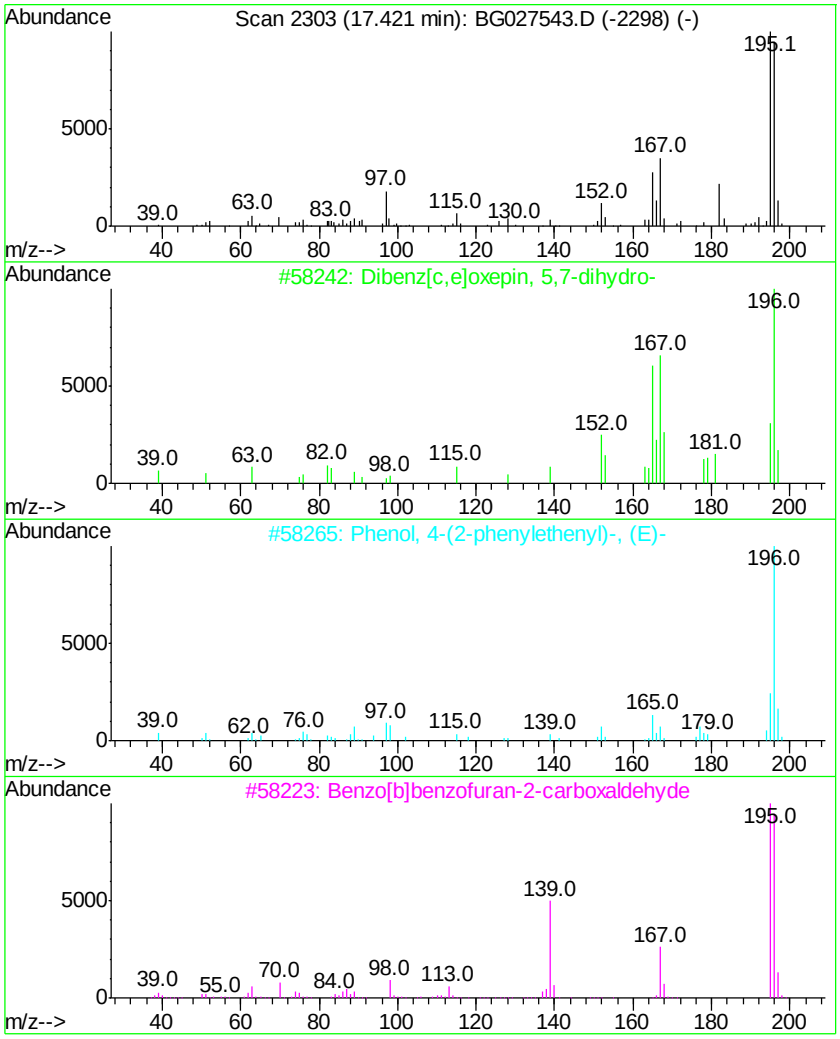
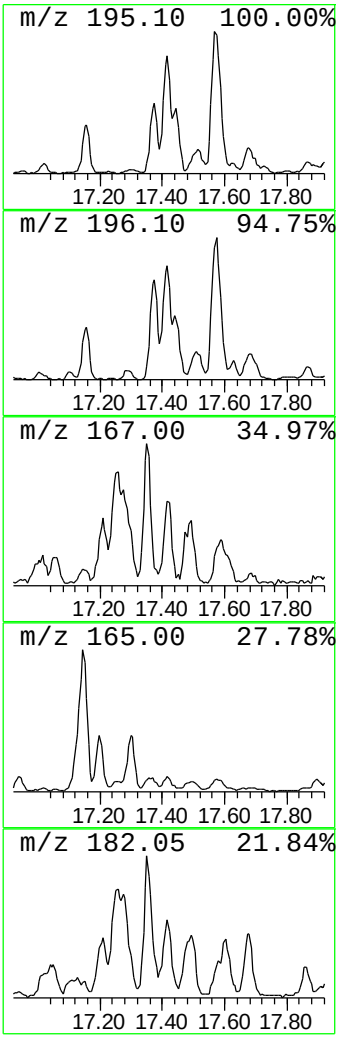
Peak Number 27 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	6.78 ng/ul	252686	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	64
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	50
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46





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Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

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

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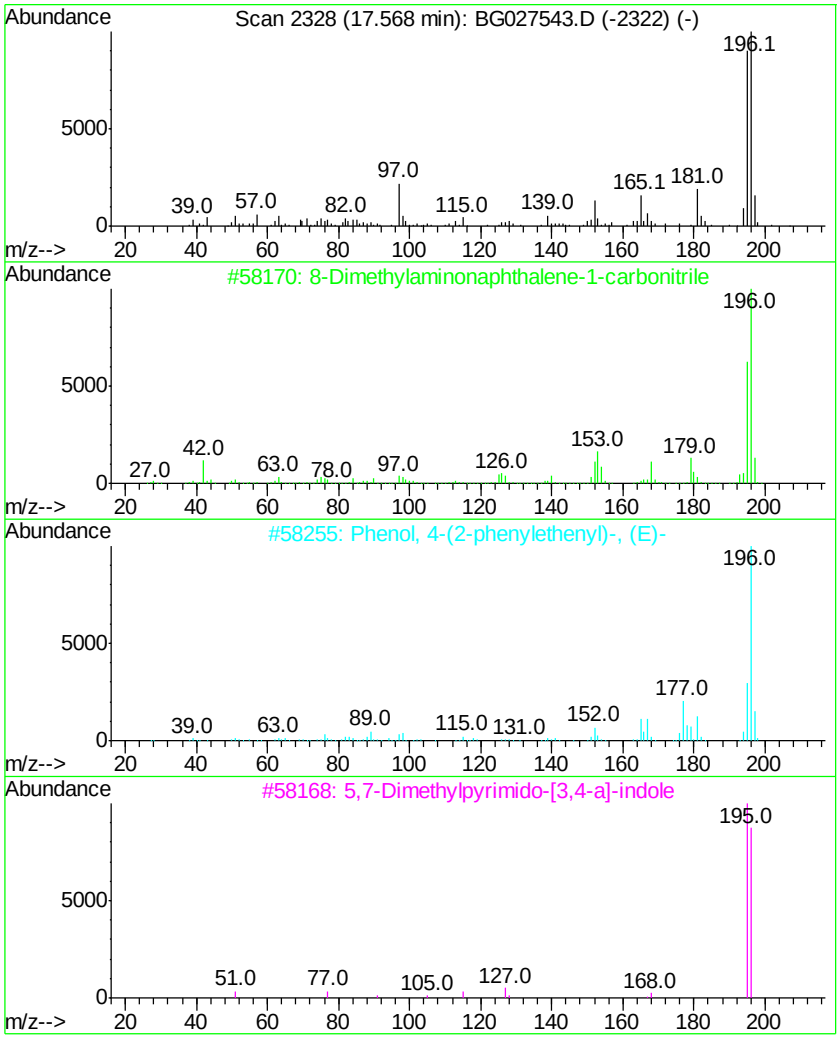
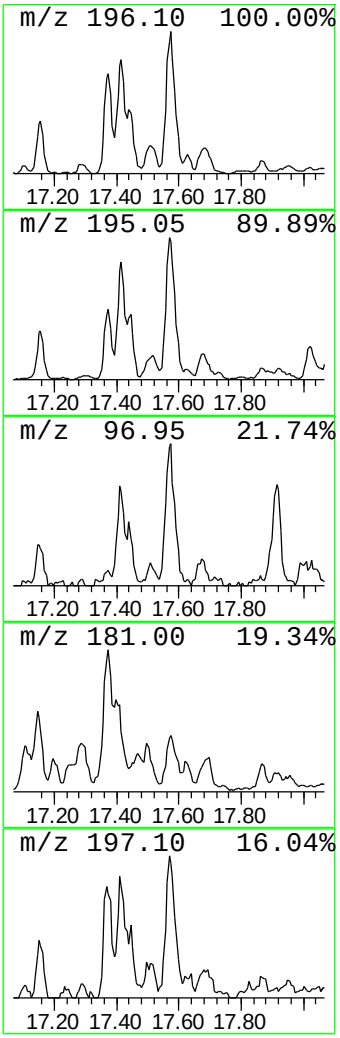
Peak Number 28 8-Dimethylaminonaphthalene-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	9.85 ng/ul	367107	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47





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Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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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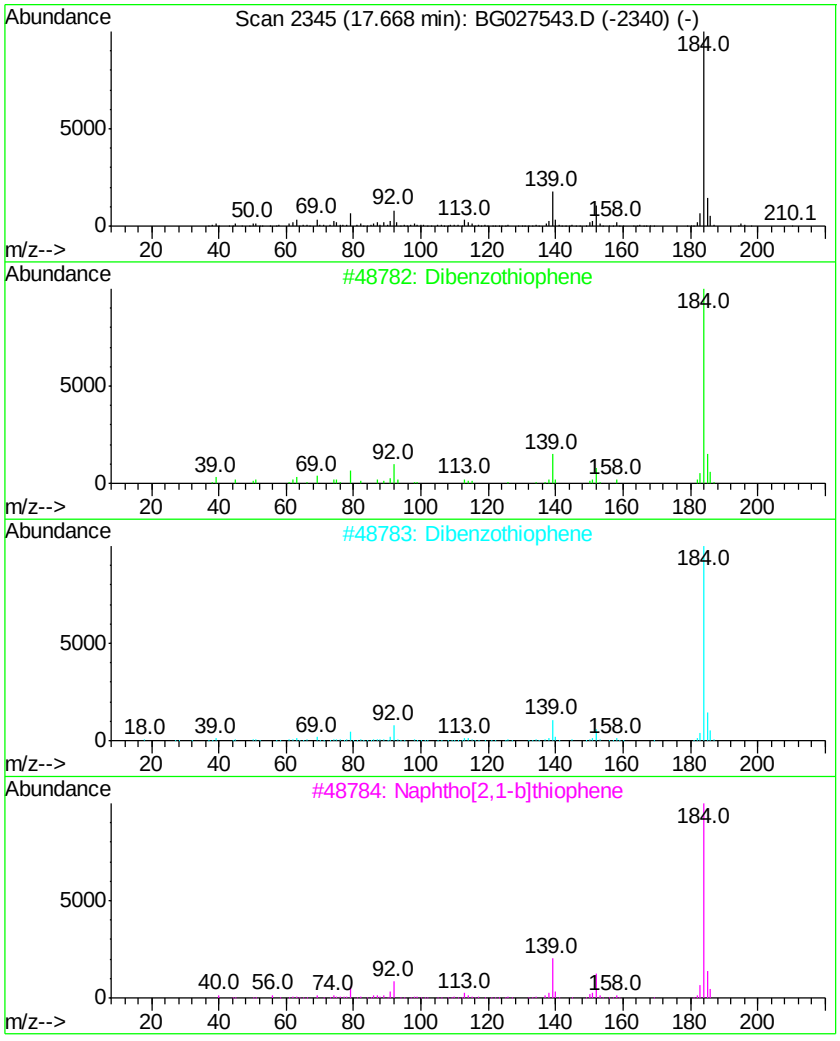
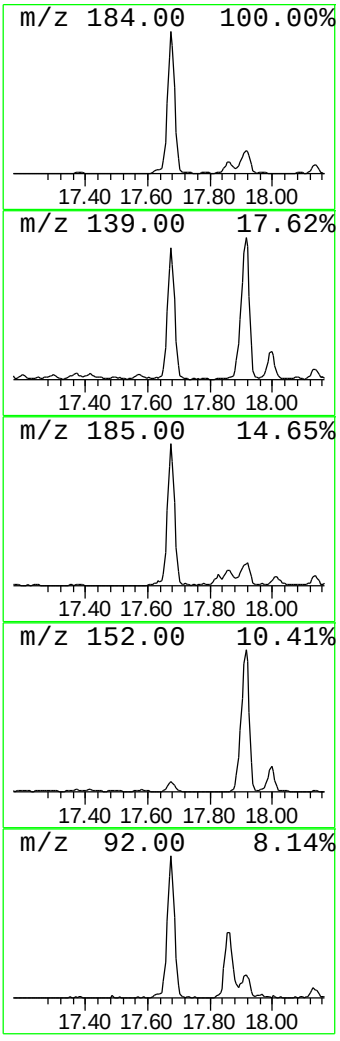
Peak Number 29 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	31.93 ng/ul	1190490	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[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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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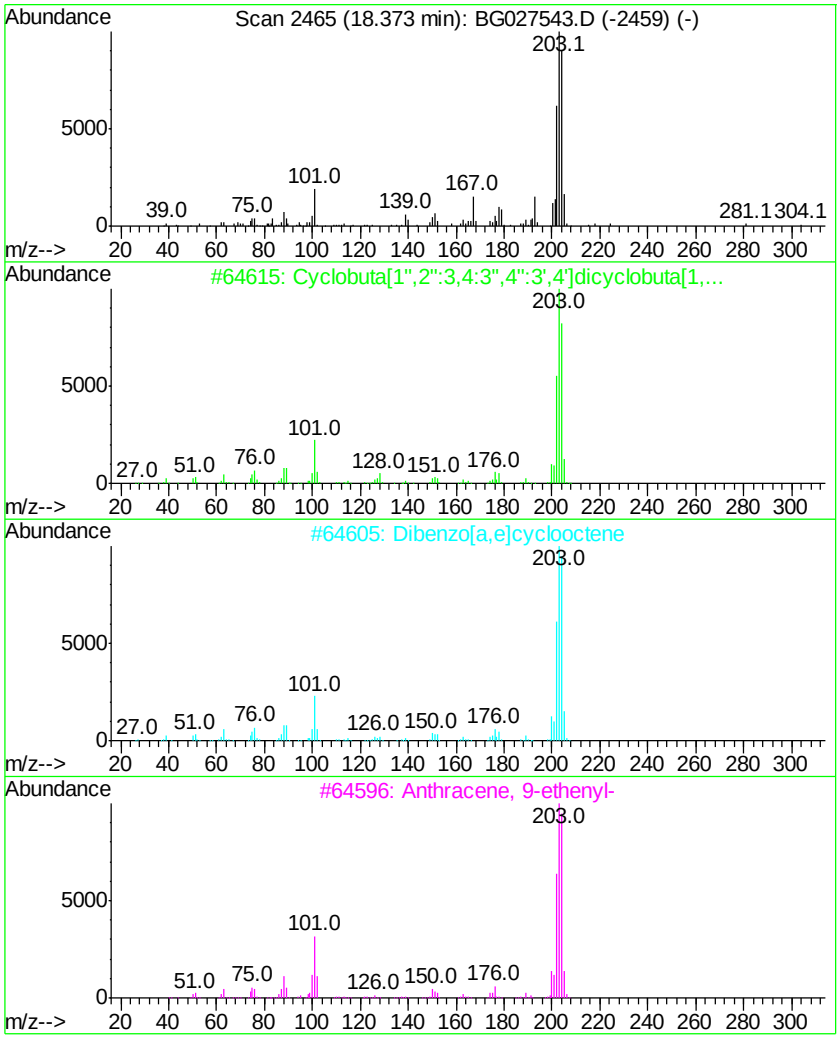
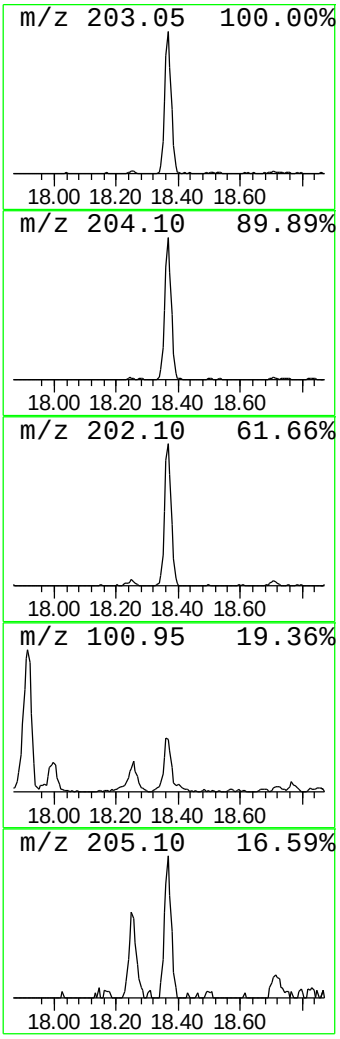
Peak Number 30 Cyclobuta[1'',2'':3,4:3'',4... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	5.57 ng/ul	207570	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	89
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061917\
Data File : BG027543.D
Acq On : 20 Jun 2017 00:16
Operator : SJ/MA
Sample : I3625-14 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5C81

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indene	9.06	36.5	ng/ul	467243	1	8.52	256259	20.0
Naphthalene, 2-et...	14.13	18.4	ng/ul	519491	3	15.11	565233	20.0
Naphthalene, 2,6-...	14.27	43.2	ng/ul	1221570	3	15.11	565233	20.0
Naphthalene, 2,3-...	14.66	19.0	ng/ul	536071	3	15.11	565233	20.0
Benzene, [1-(2,4-...	15.41	10.3	ng/ul	291719	3	15.11	565233	20.0
Naphthalene, 1,6,...	15.56	7.5	ng/ul	212001	3	15.11	565233	20.0
Naphthalene, 2,3,...	15.71	7.6	ng/ul	215239	3	15.11	565233	20.0
1-Isopropenylnaph...	16.24	7.7	ng/ul	217186	3	15.11	565233	20.0
Diphenylmethane	16.31	22.0	ng/ul	620547	3	15.11	565233	20.0
1,1'-Biphenyl, 4-...	16.40	10.4	ng/ul	292377	3	15.11	565233	20.0
Dibenzofuran, 4-m...	16.43	25.4	ng/ul	717575	3	15.11	565233	20.0
2,4,6-Cycloheptat...	16.59	31.7	ng/ul	1181350	4	17.86	745603	20.0
(4-Acetylphenyl)p...	16.78	6.3	ng/ul	236751	4	17.86	745603	20.0
Anthracene, 9,10-...	16.94	7.0	ng/ul	260947	4	17.86	745603	20.0
2(1H)-Quinolinone	16.98	7.2	ng/ul	269526	4	17.86	745603	20.0
9H-Fluorene, 1-me...	17.14	21.6	ng/ul	805924	4	17.86	745603	20.0
9H-Fluorene, 2-me...	17.20	6.0	ng/ul	225588	4	17.86	745603	20.0
Naphtho[2,1-b]fur...	17.37	7.7	ng/ul	285780	4	17.86	745603	20.0
Dibenz[c,e]oxepin...	17.42	6.8	ng/ul	252686	4	17.86	745603	20.0
8-Dimethylaminona...	17.57	9.8	ng/ul	367107	4	17.86	745603	20.0
Dibenzothiophene	17.67	31.9	ng/ul	1190490	4	17.86	745603	20.0
Cyclobuta[1'',2''...	18.37	5.6	ng/ul	207570	4	17.86	745603	20.0