LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.108	41	46	53	rVV2	6796	12198	0.65%	0.106%
2	8.085	887	893	901	rVB	56055	93116	4.94%	0.810%
3	8.625	979	985	990	rVB	6060	9487	0.50%	0.083%
4	10.899	1365	1372	1376	rBV	82325	152485	8.09%	1.326%
5	10.952	1376	1381	1389	rVB	299331	538063	28.56%	4.680%
6	11.070	1395	1401	1408	rVB	5606	10578	0.56%	0.092%
7	12.550	1646	1653	1662	rBV	195121	311065	16.51%	2.706%
8	12.768	1680	1690	1698	rBV	95156	153877	8.17%	1.338%
9	13.549	1817	1823	1830	rBB	74758	113267	6.01%	0.985%
10	13.749	1851	1857	1868	rVB	24312	42431	2.25%	0.369%
11	13.878	1872	1879	1881	rBV3	27351	45974	2.44%	0.400%
12	14.037	1897	1906	1911	rBV	40445	72464	3.85%	0.630%
13	14.090	1911	1915	1924	rVB2	27813	49296	2.62%	0.429%
14	14.272	1940	1946	1950	rBV	15956	25302	1.34%	0.220%
15	14.413	1965	1970	1971	rBV2	5835	7652	0.41%	0.067%
16	14.442	1971	1975	1979	rVB2	11755	16837	0.89%	0.146%
17	14.683	2011	2016	2018	rBV	29575	42482	2.26%	0.369%
18	14.718	2018	2022	2027	rVV2	150224	237512	12.61%	2.066%
19	14.783	2027	2033	2040	rVV	371027	575697	30.56%	5.007%
20	14.847	2040	2044	2051	rVB	14029	19743	1.05%	0.172%
21	14.918	2051	2056	2067	rBB2	7041	15502	0.82%	0.135%
22	15.024	2067	2074	2079	rBV2	12773	21350	1.13%	0.186%
23	15.112	2083	2089	2097	rVV	270021	425885	22.61%	3.704%
24	15.182	2097	2101	2108	rVB2	8939	14024	0.74%	0.122%
25	15.329	2120	2126	2131	rBV3	6772	11525	0.61%	0.100%
26	15.382	2131	2135	2140	rVV2	6840	9110	0.48%	0.079%
27	15.500	2148	2155	2158	rBV4	5204	10758	0.57%	0.094%
28	15.535	2158	2161	2165	rVV3	5977	7544	0.40%	0.066%
29	15.676	2181	2185	2187	rVV3	5997	8944	0.47%	0.078%
30	15.705	2187	2190	2194	rVV2	8890	12005	0.64%	0.104%
31	15.764	2194	2200	2210	rVV	312182	464970	24.68%	4.044%
32	15.858	2210	2216	2218	rVV2	13343	22417	1.19%	0.195%
33	15.887	2218	2221	2223	rVV2	22839	30695	1.63%	0.267%
34	15.923	2223	2227	2232	rVV2	43891	67342	3.57%	0.586%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

35	15.976	2232	2236	2238	rVV2	9193	13314	0.71%	0.116%
36	16.011	2238	2242	2245	rVV	19631	30775	1.63%	0.268%
37	16.052	2245	2249	2256	rVB	48830	72769	3.86%	0.633%
38	16.205	2266	2275	2282	rVV	48818	102764	5.46%	0.894%
39	16.293	2282	2290	2296	rVB5	7954	14000	0.74%	0.122%
40	16.428	2311	2313	2320	rVB4	6037	8135	0.43%	0.071%
41	16.557	2330	2335	2341	rVV3	14116	21133	1.12%	0.184%
42	16.763	2359	2370	2375	rVV2	32973	71204	3.78%	0.619%
43	16.816	2375	2379	2384	rVV5	14236	25750	1.37%	0.224%
44	16.857	2384	2386	2390	rVV3	4950	8929	0.47%	0.078%
45	16.916	2390	2396	2400	rVV4	13747	23652	1.26%	0.206%
46	16.986	2400	2408	2412	rVV3	10749	26949	1.43%	0.234%
47	17.027	2412	2415	2419	rVV3	14278	22892	1.22%	0.199%
48	17.063	2419	2421	2424	rVV2	5519	7253	0.39%	0.063%
49	17.115	2425	2430	2436	rVV	25531	42660	2.26%	0.371%
50	17.186	2436	2442	2450	rVV6	14315	37531	1.99%	0.326%
51	17.280	2453	2458	2470	rVB	82569	130371	6.92%	1.134%
52	17.462	2481	2489	2492	rBV	194357	310937	16.51%	2.704%
53	17.509	2492	2497	2503	rVV	1224496	1883798	100.00%	16.385%
54	17.562	2503	2506	2507	rVV	13072	15537	0.82%	0.135%
55	17.597	2507	2512	2517	rVV	83357	122845	6.52%	1.068%
56	17.867	2552	2558	2567	rBV	31652	59660	3.17%	0.519%
57	17.979	2572	2577	2584	rBV	18461	23571	1.25%	0.205%
58	18.044	2584	2588	2591	rBV3	7688	12408	0.66%	0.108%
59	18.179	2608	2611	2620	rVB	6243	11950	0.63%	0.104%
60	18.337	2632	2638	2642	rVV	72194	107487	5.71%	0.935%
61	18.384	2642	2646	2653	rVV	90976	129966	6.90%	1.130%
62	18.467	2653	2660	2665	rVV	28842	46180	2.45%	0.402%
63	18.537	2665	2672	2683	rVV2	141282	287282	15.25%	2.499%
64	18.831	2716	2722	2726	rBV	64585	84733	4.50%	0.737%
65	18.872	2726	2729	2737	rVB5	6401	10204	0.54%	0.089%
66	18.954	2737	2743	2747	rBV2	7045	10347	0.55%	0.090%
67	19.072	2759	2763	2768	rVB4	10529	15330	0.81%	0.133%
68	19.125	2768	2772	2775	rBV2	7115	9052	0.48%	0.079%
69	19.160	2775	2778	2781	rBV2	6000	7468	0.40%	0.065%
70	19.242	2787	2792	2797	rBV2	16373	26758	1.42%	0.233%
71	19.307	2798	2803	2807	rBV3	10299	18917	1.00%	0.165%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

72	19.389	2812	2817	2819	rBV3	7035	12628	0.67%	0.110%
73	19.513	2831	2838	2844	rBV	748359	1062974	56.43%	9.245%
74	19.753	2874	2879	2888	rBV	22574	40255	2.14%	0.350%
75	19.842	2888	2894	2896	rBV2	128850	210556	11.18%	1.831%
76	19.871	2896	2899	2907	rVV	476529	691380	36.70%	6.013%
77	19.936	2907	2910	2917	rVB3	19943	30243	1.61%	0.263%
78	20.047	2924	2929	2933	rVB	23792	34669	1.84%	0.302%
79	20.188	2947	2953	2960	rBV3	21813	56311	2.99%	0.490%
80	20.247	2960	2963	2967	rVB2	6356	8257	0.44%	0.072%
81	20.359	2971	2982	2987	rBV	70574	126762	6.73%	1.103%
82	20.459	2994	2999	3003	rBV	81675	114850	6.10%	0.999%
83	20.517	3003	3009	3013	rVV2	22494	40751	2.16%	0.354%
84	20.553	3013	3015	3019	rVB2	13205	16101	0.85%	0.140%
85	20.658	3029	3033	3037	rBV2	10686	14063	0.75%	0.122%
86	20.699	3037	3040	3045	rVV2	12736	18001	0.96%	0.157%
87	20.882	3068	3071	3076	rBV	11187	13283	0.71%	0.116%
88	21.075	3102	3104	3109	rVB6	5643	7776	0.41%	0.068%
89	21.310	3140	3144	3148	rBV	18083	25999	1.38%	0.226%
90	21.357	3148	3152	3156	rVV	19410	28717	1.52%	0.250%
91	21.404	3156	3160	3165	rVB3	14298	22374	1.19%	0.195%
92	21.733	3205	3216	3221	rBV2	287881	655428	34.79%	5.701%
93	21.781	3221	3224	3234	rVB	87653	152642	8.10%	1.328%
94	21.939	3246	3251	3256	rBV2	22157	39985	2.12%	0.348%
95	22.151	3281	3287	3295	rVB2	11445	23496	1.25%	0.204%
96	22.750	3385	3389	3392	rBV5	5475	8847	0.47%	0.077%
97	23.960	3589	3595	3603	rBV2	25372	76096	4.04%	0.662%
98	24.695	3715	3720	3727	rVB2	12693	29903	1.59%	0.260%
99	24.853	3741	3747	3753	rVB	17587	43679	2.32%	0.380%
100	25.006	3763	3773	3782	rBV2	133957	385159	20.45%	3.350%

Sum of corrected areas: 11497293

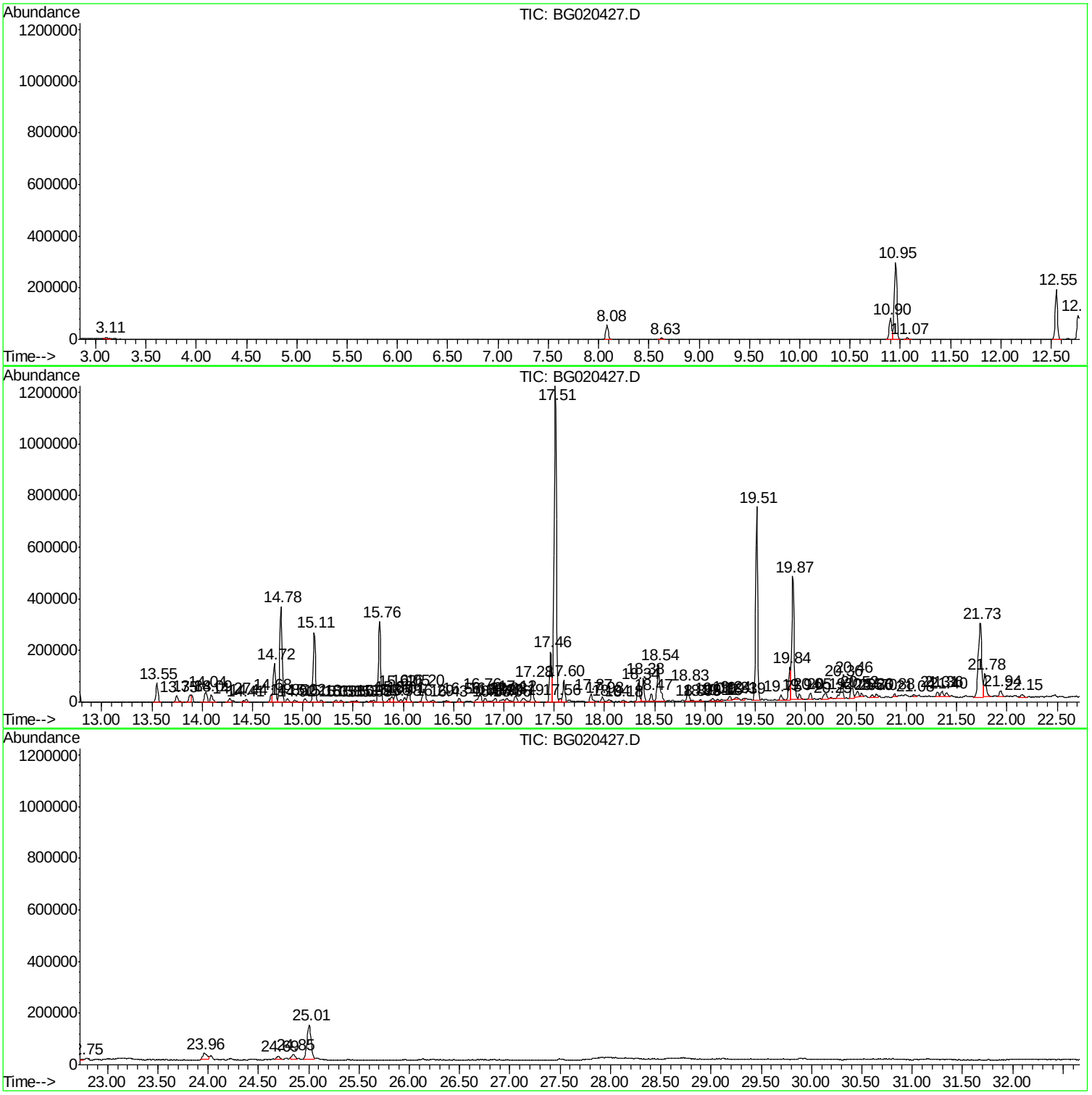
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

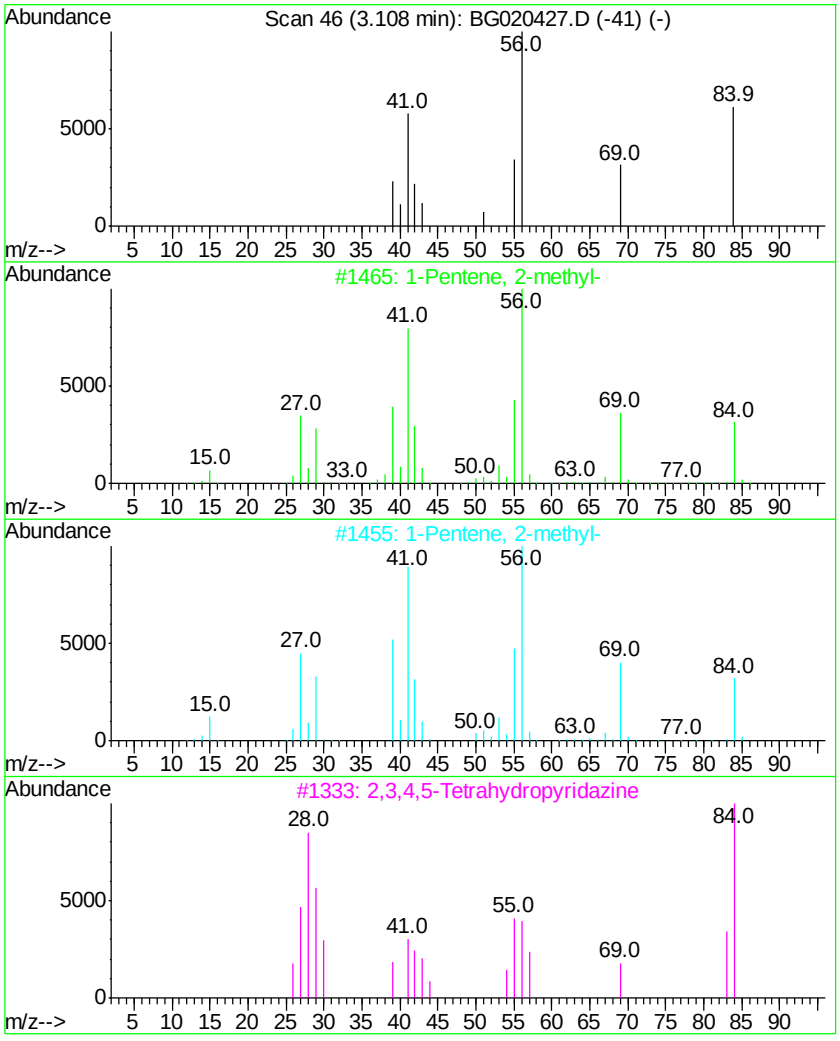
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

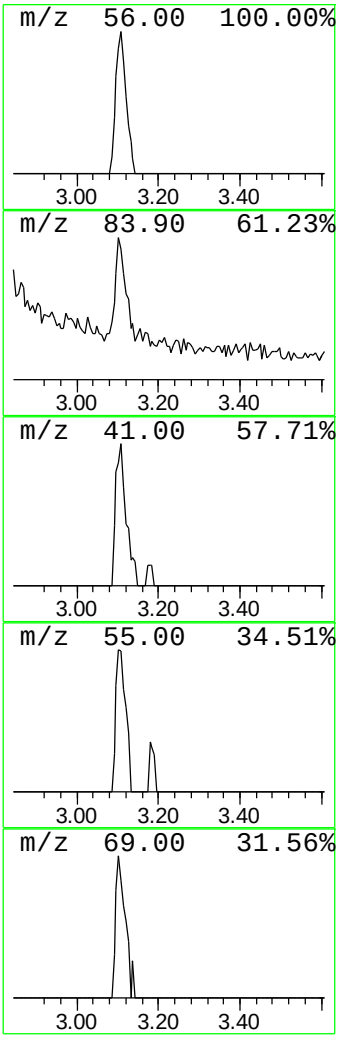
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic3.11 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	2.62 ng/ul	12198	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	74
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43
3	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	38
4	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	9
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

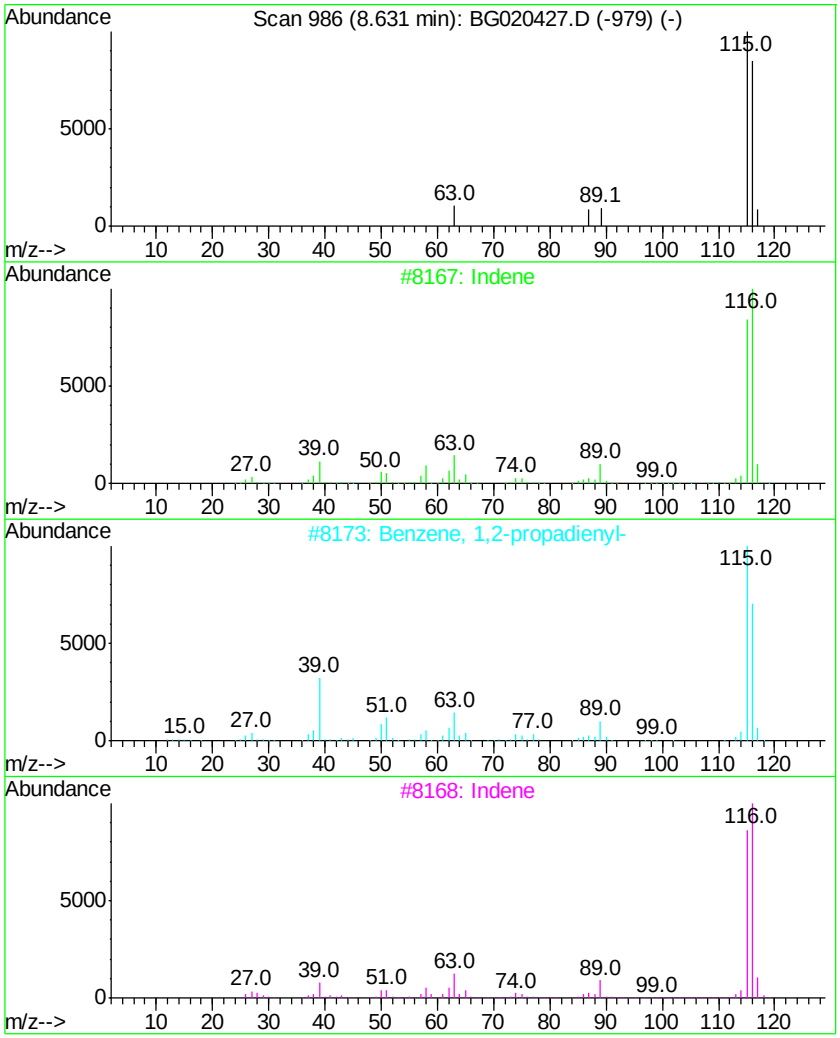
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

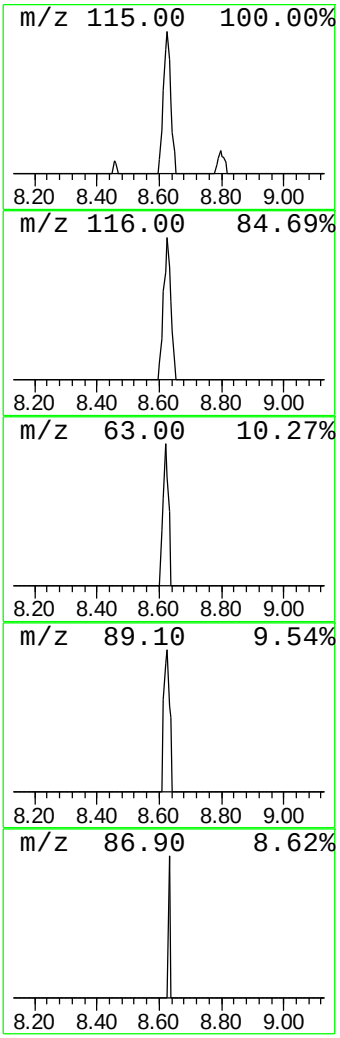
****

Peak Number 2 Indene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	2.04 ng/ul	9487	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	90
2	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90
3	Indene	116	C9H8	000095-13-6	90
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5	Indene	116	C9H8	000095-13-6	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

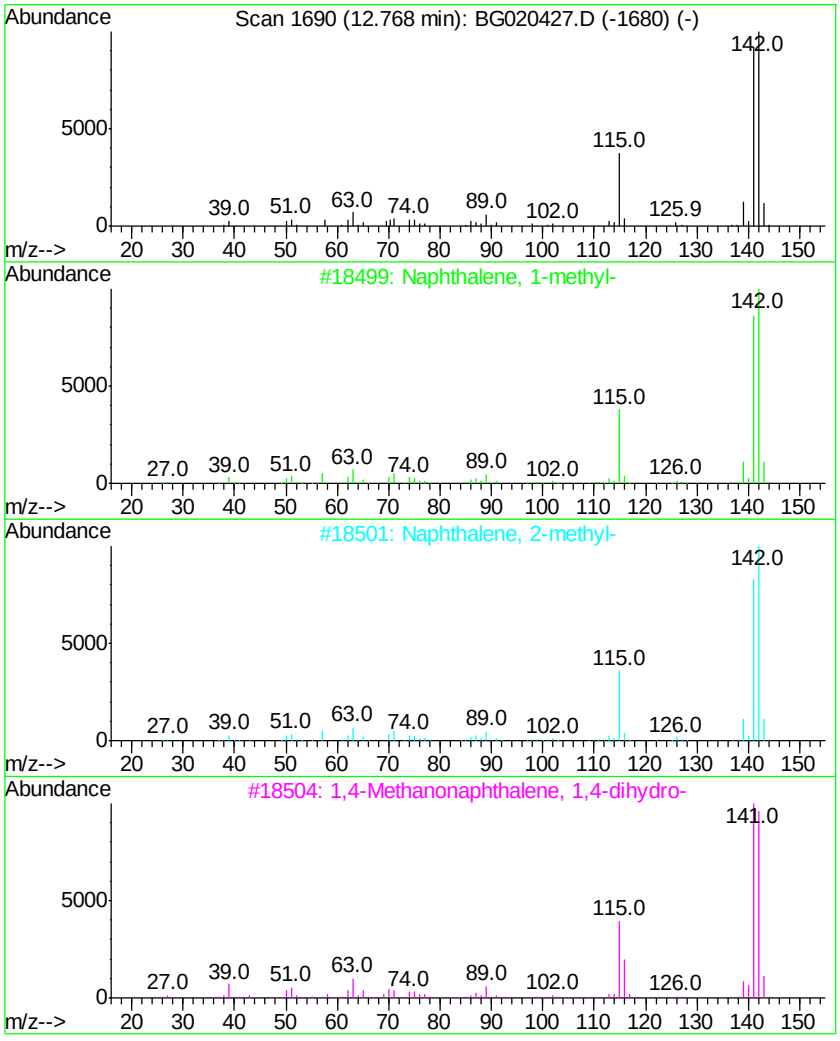
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

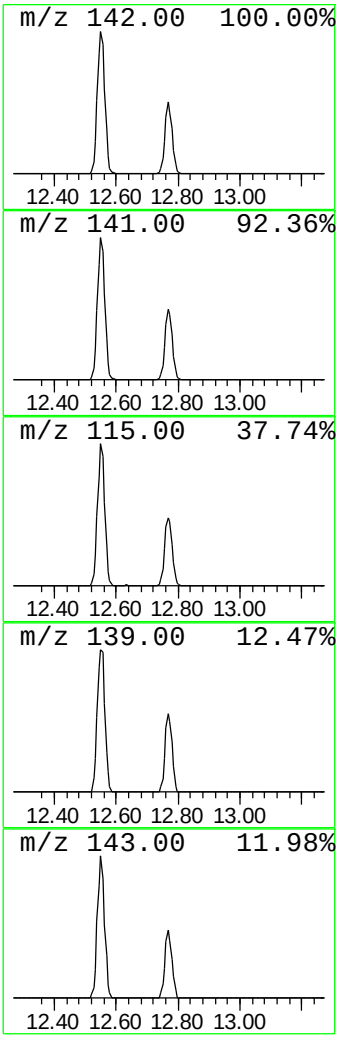
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	20.18 ng/ul	153877	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

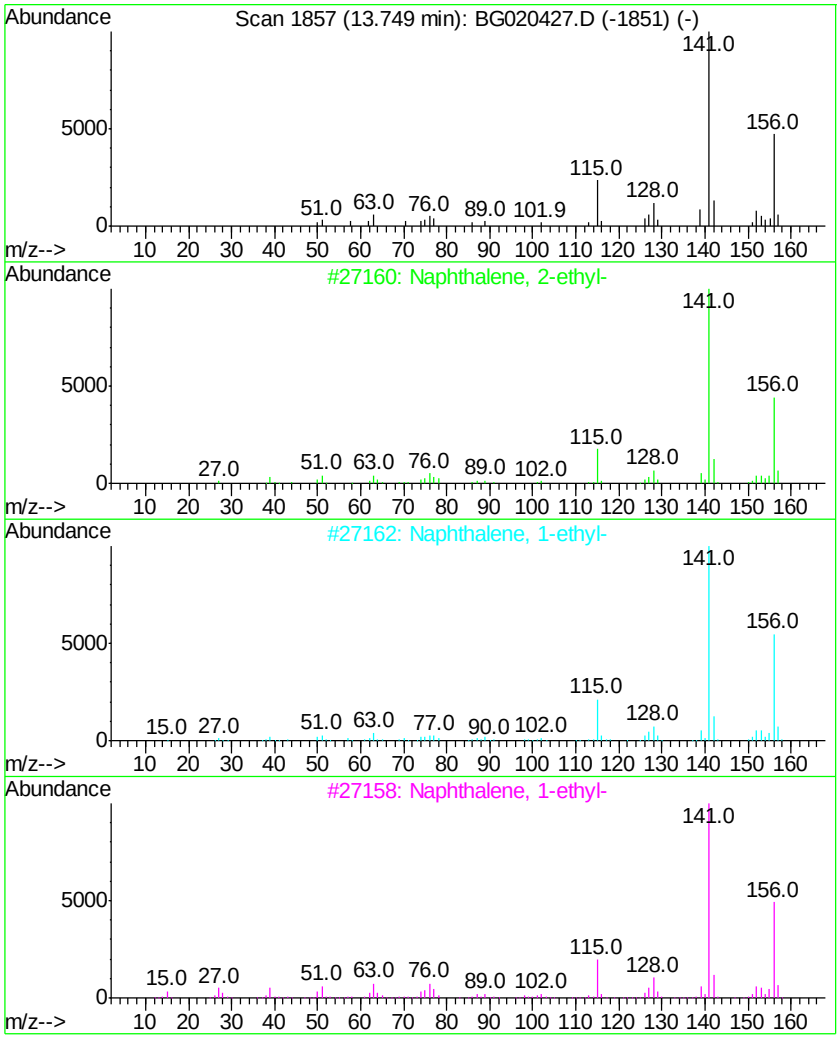
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

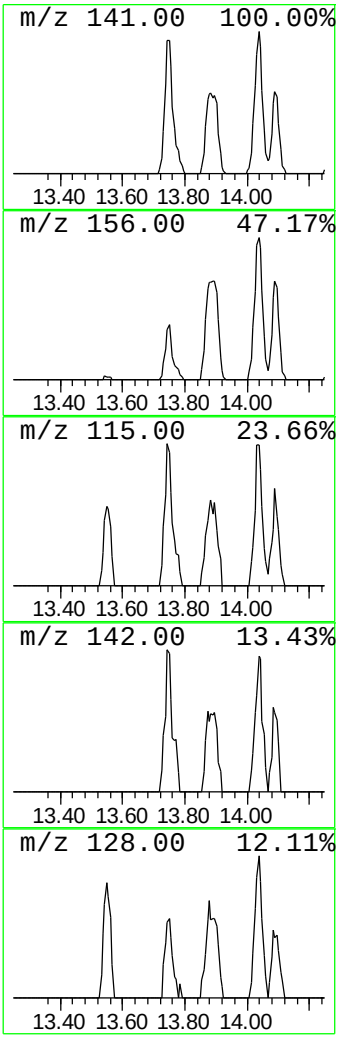
****

Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.57 ng/ul	42431	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

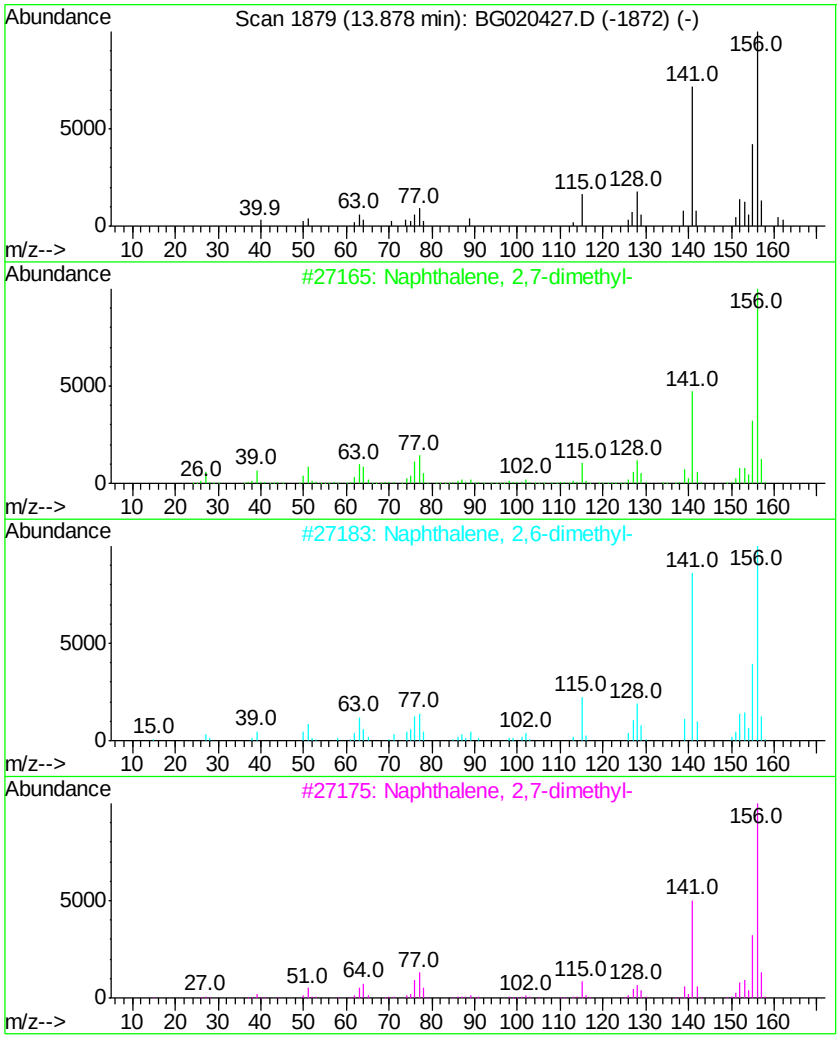
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

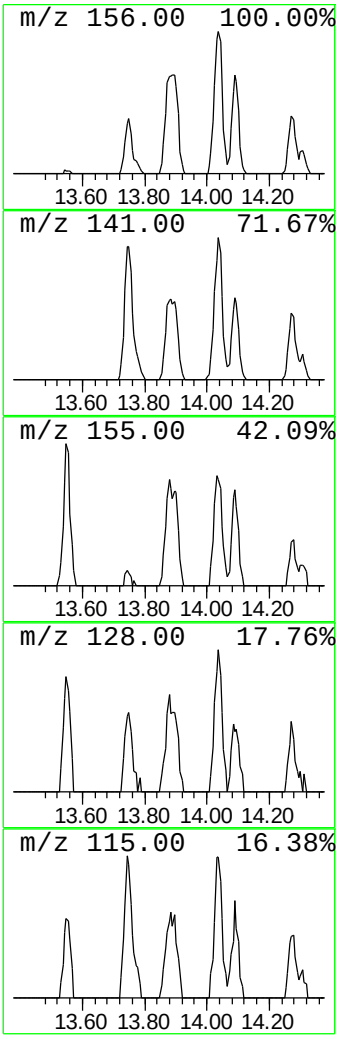
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	3.87 ng/ul	45974	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94





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Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

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Quant Title : SVOA CALIBRATION

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

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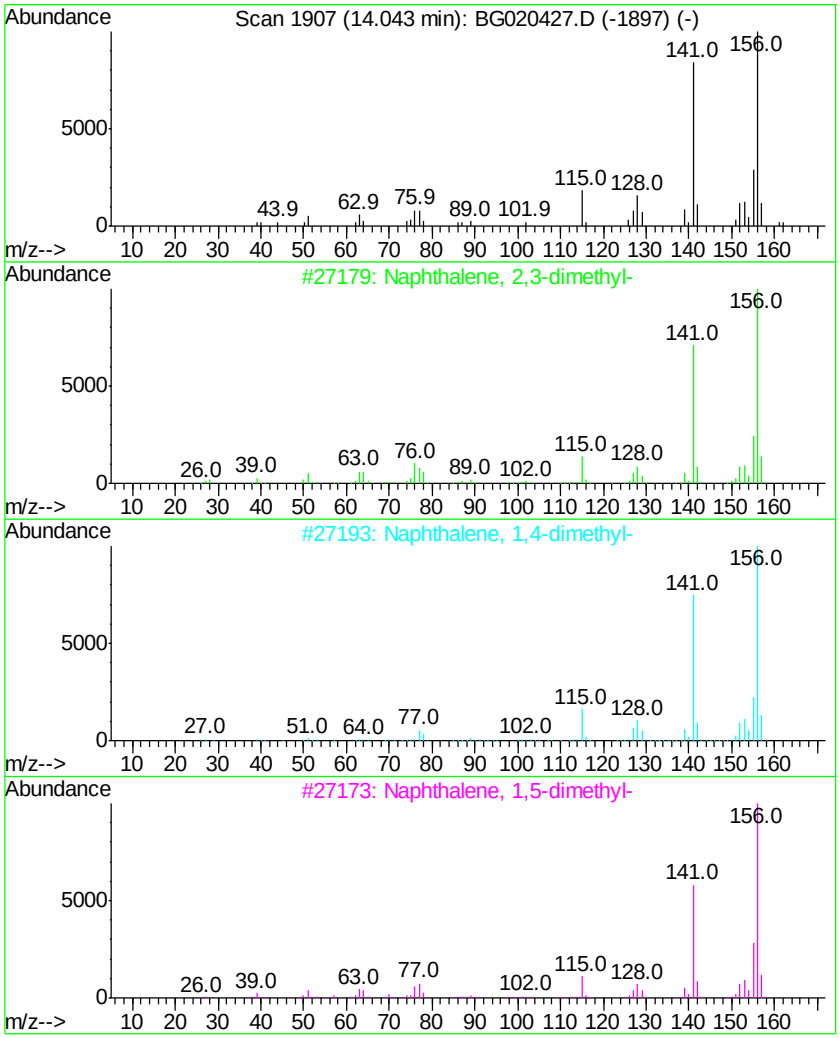
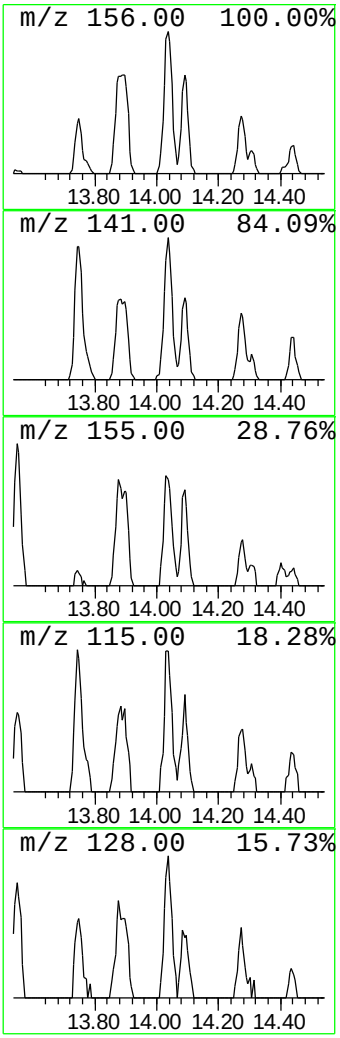
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	6.10 ng/ul	72464	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Library Search Compound Report

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Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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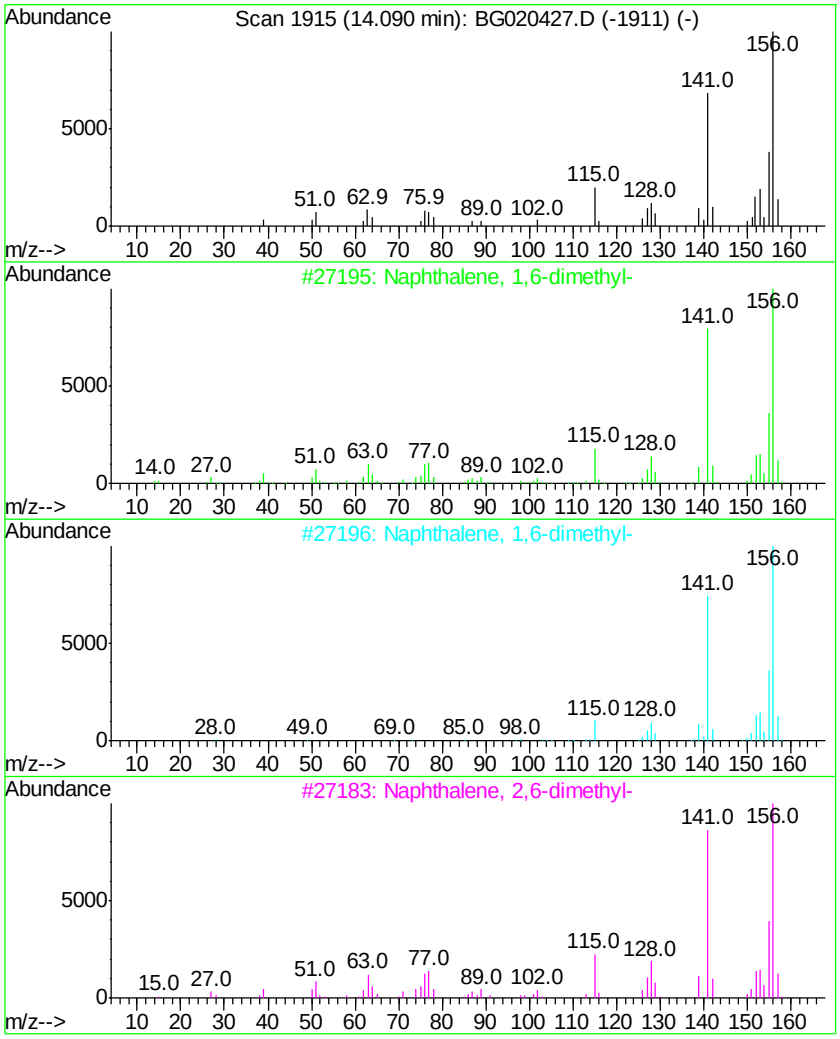
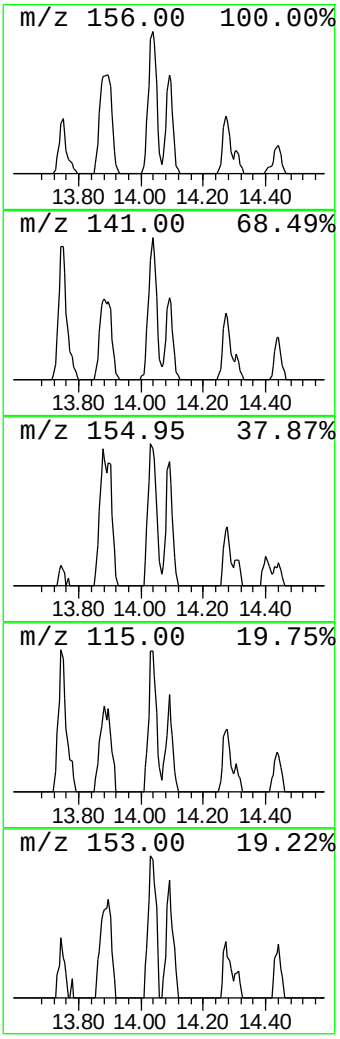
Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	4.15 ng/ul	49296	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

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Quant Title : SVOA CALIBRATION

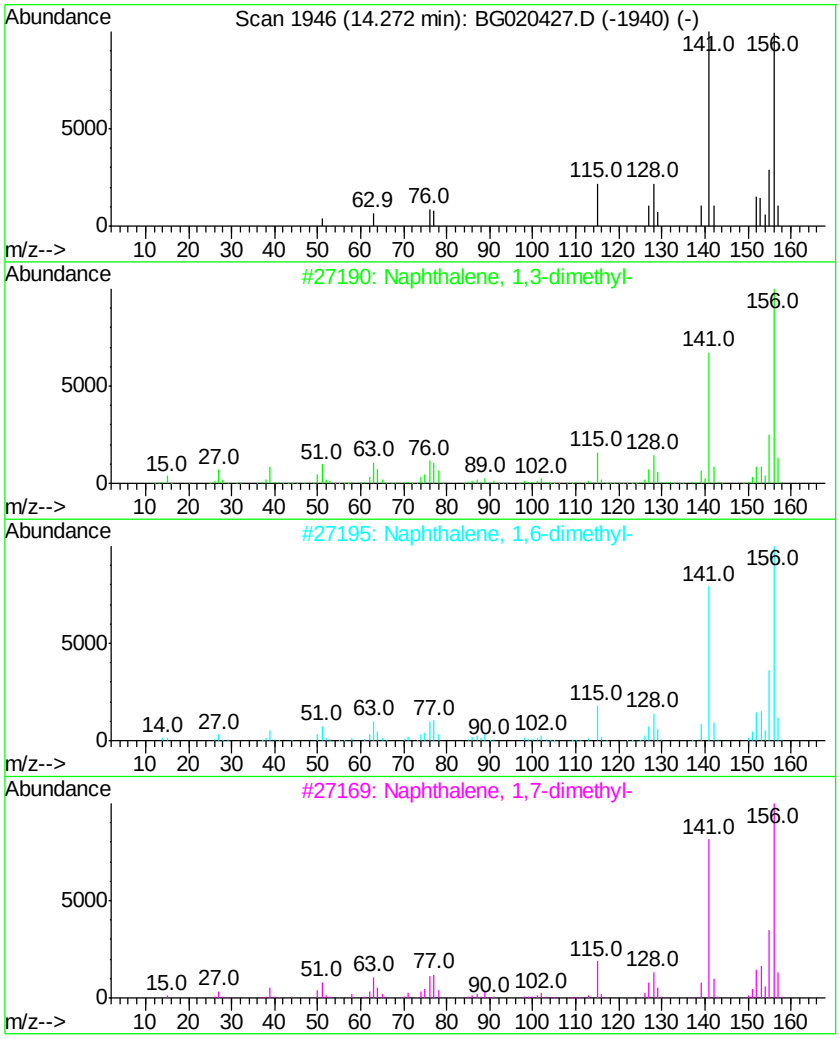
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

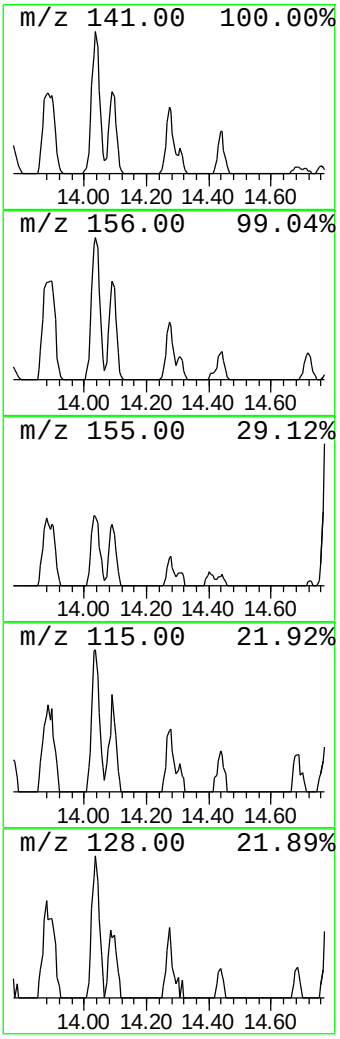
****

Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.13 ng/ul	25302	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Library Search Compound Report

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Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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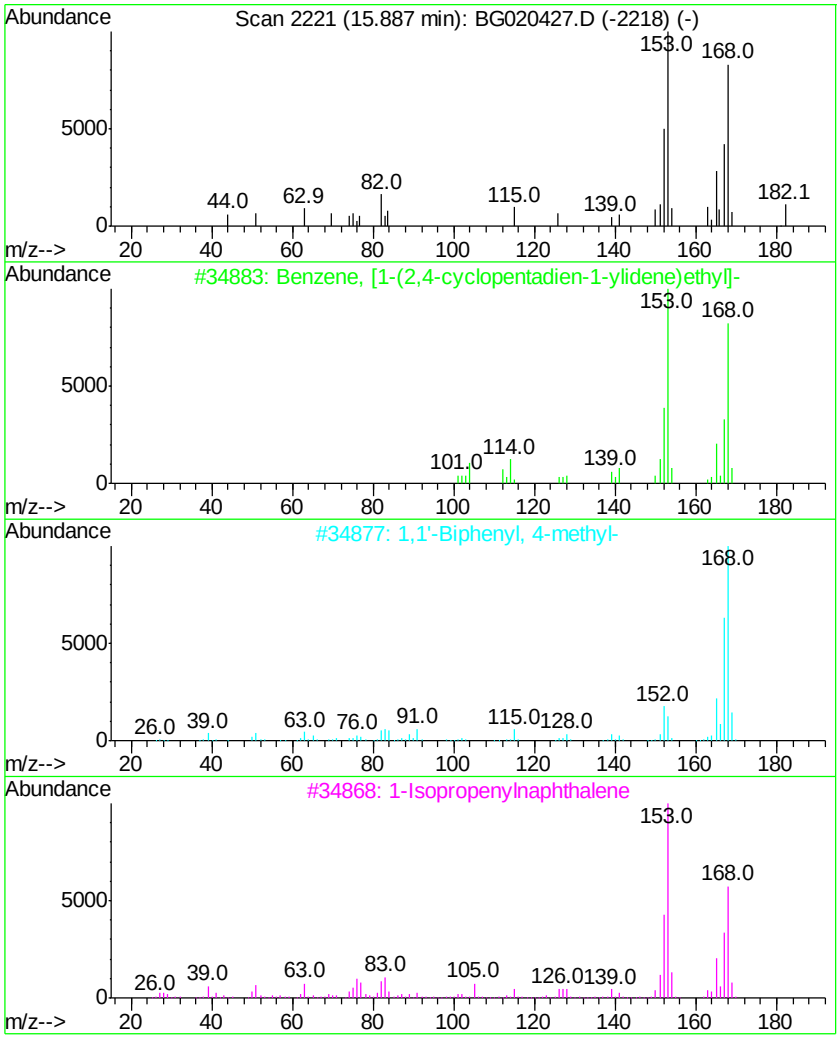
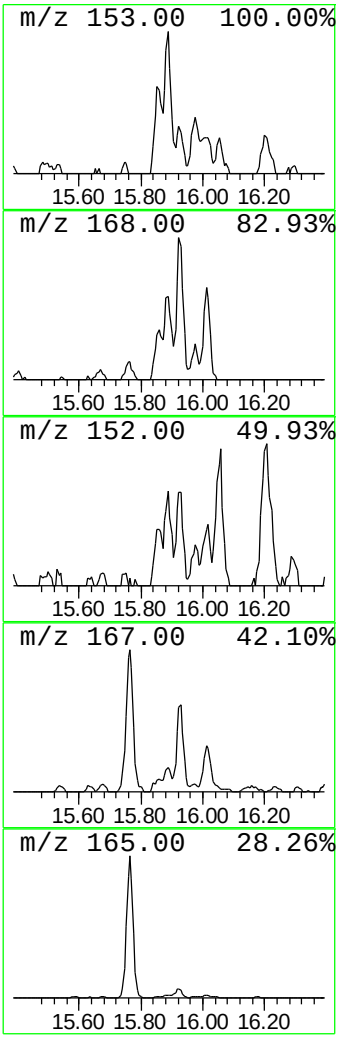
Peak Number 9 Benzene, [1-(2,4-cyclopenta... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.58 ng/ul	30695	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	53
3	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	50
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	43





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Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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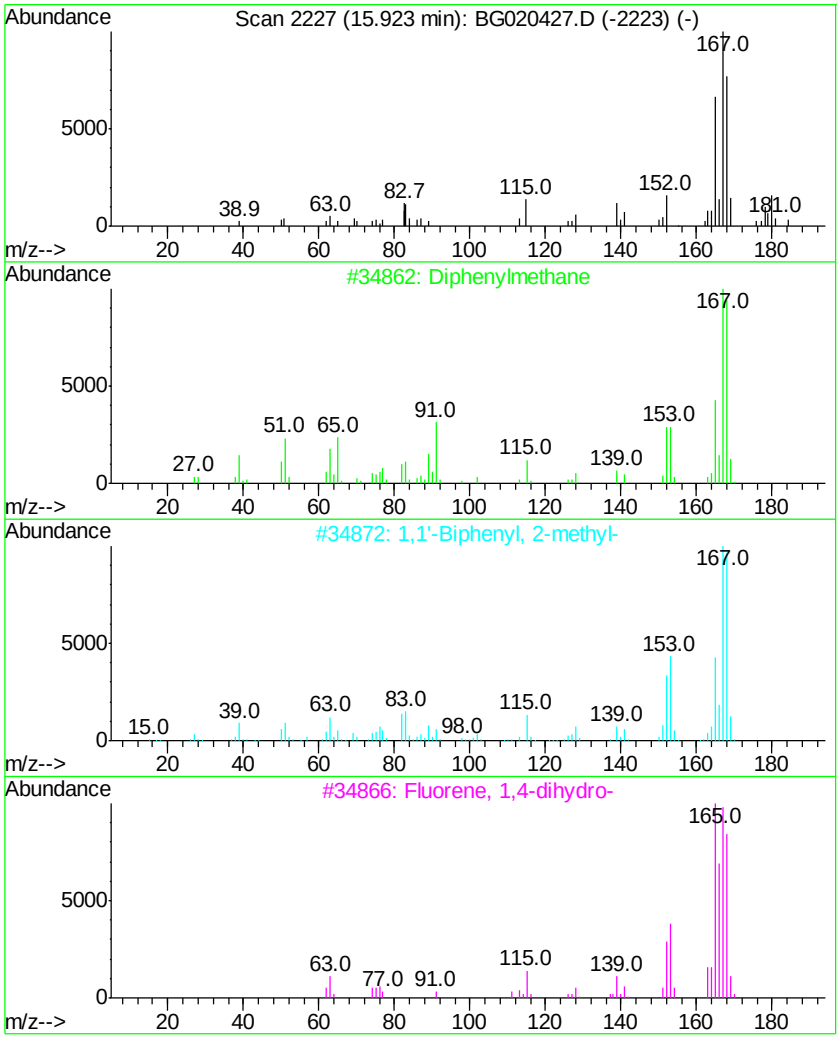
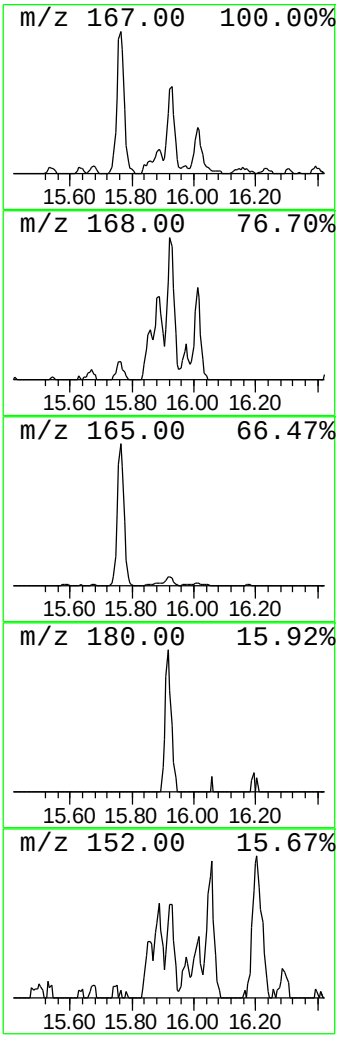
Peak Number 10 Diphenylmethane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	5.67 ng/ul	67342	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	58
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	58
4	Diphenylmethane	168	C13H12	000101-81-5	52
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	52





Library Search Compound Report

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Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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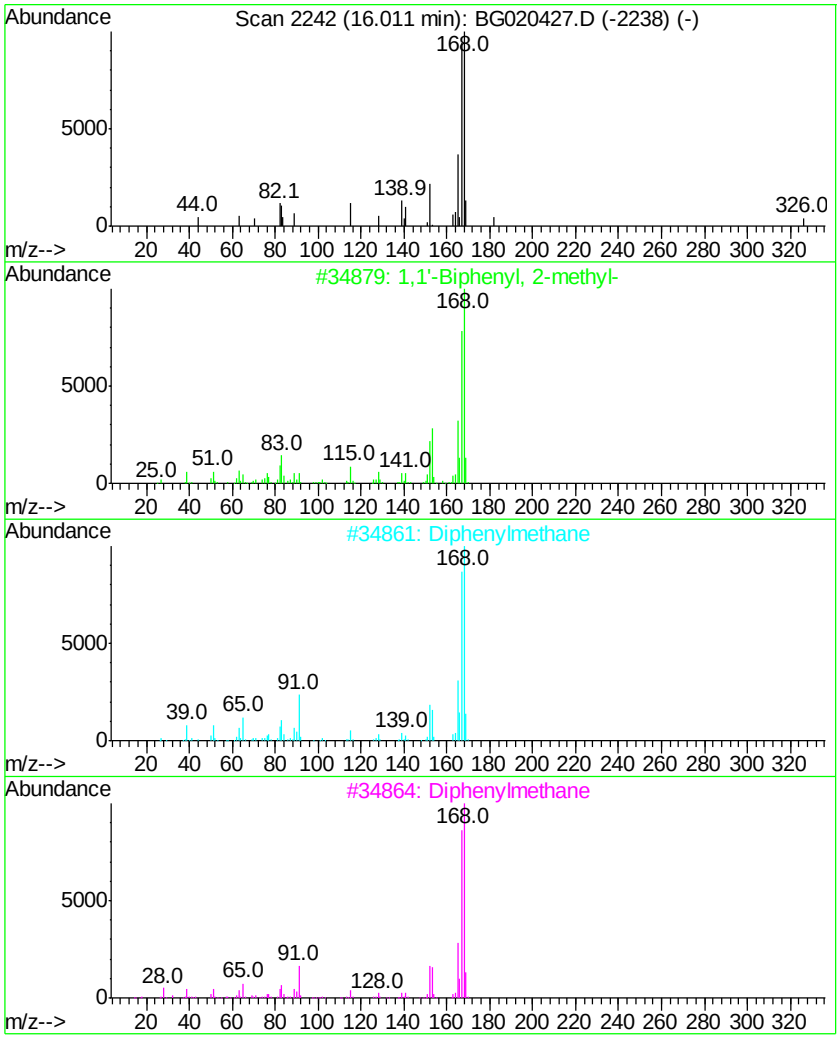
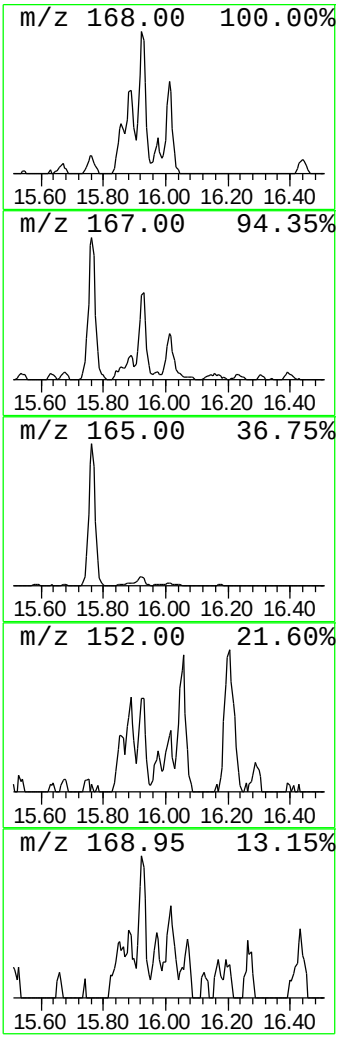
Peak Number 11 1,1'-Biphenyl, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.59 ng/ul	30775	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
2	Diphenylmethane	168	C13H12	000101-81-5	74
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	Diphenylmethane	168	C13H12	000101-81-5	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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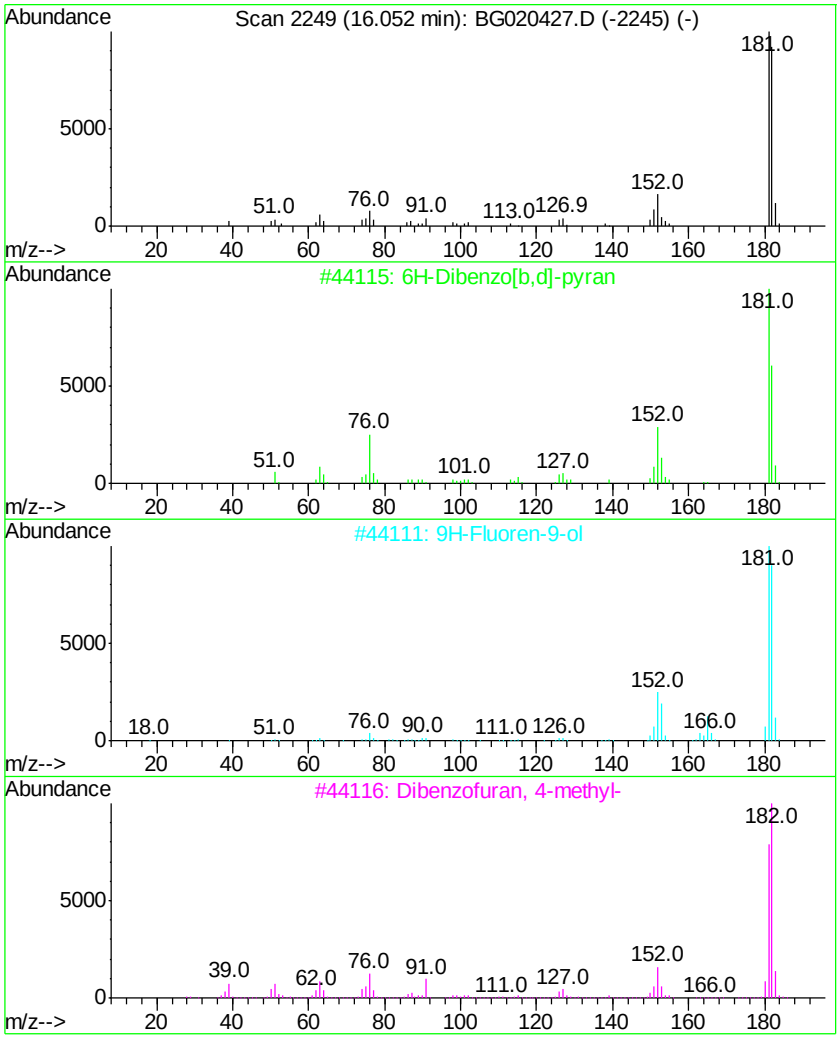
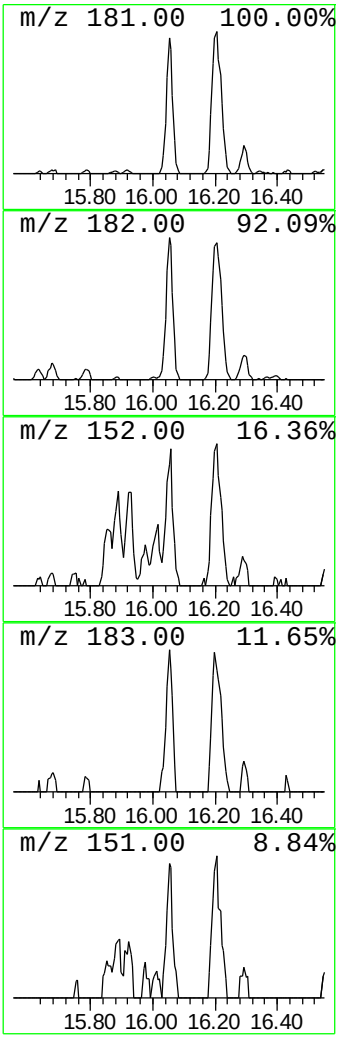
Peak Number 12 6H-Dibenzo[b,d]-pyran Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	6.13 ng/ul	72769	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72





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Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

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Quant Title : SVOA CALIBRATION

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

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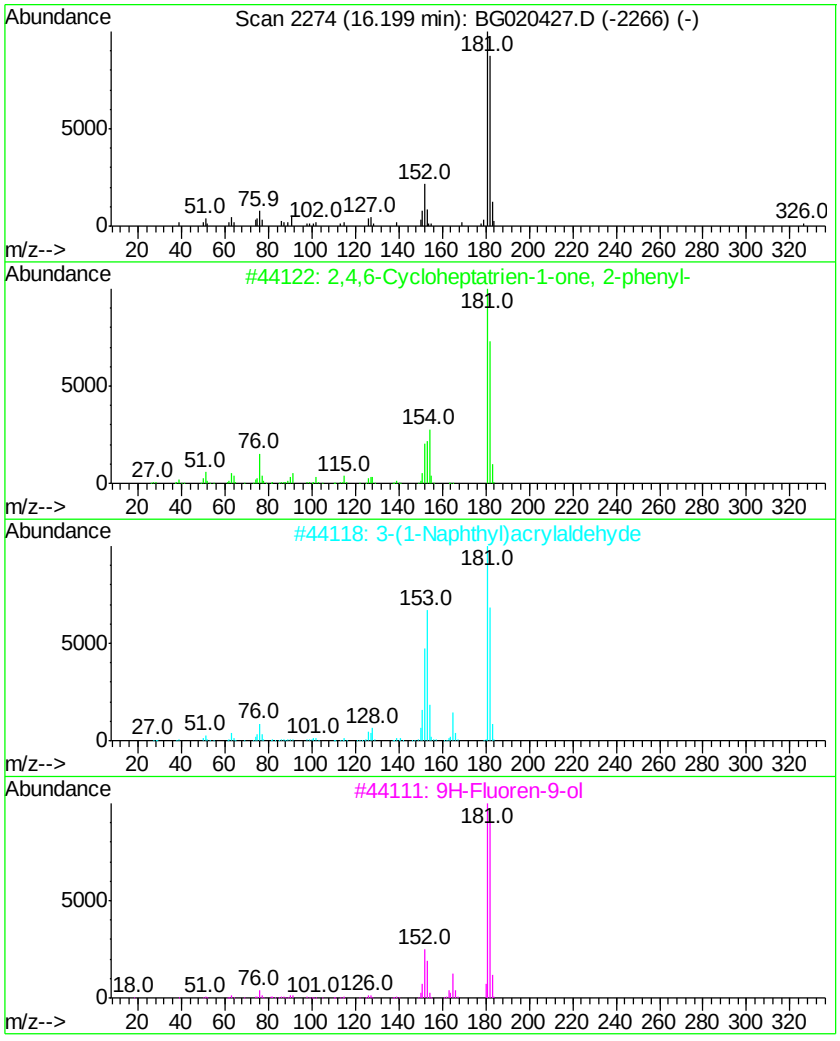
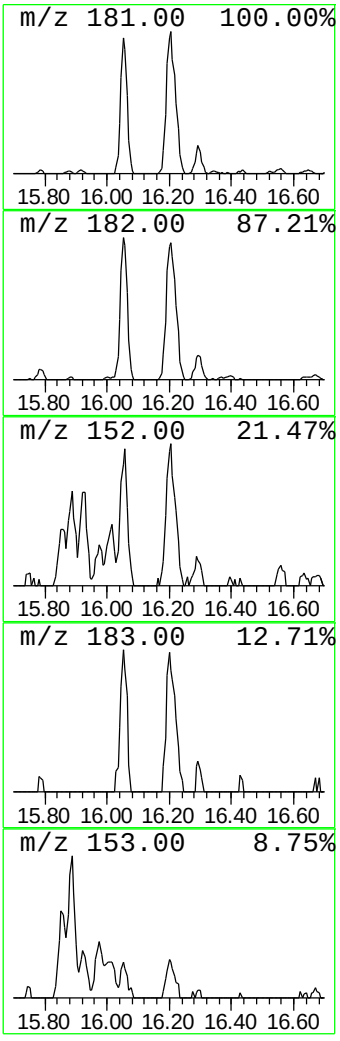
Peak Number 13 2,4,6-Cycloheptatrien-1-one... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	6.61 ng/ul	102764	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68





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Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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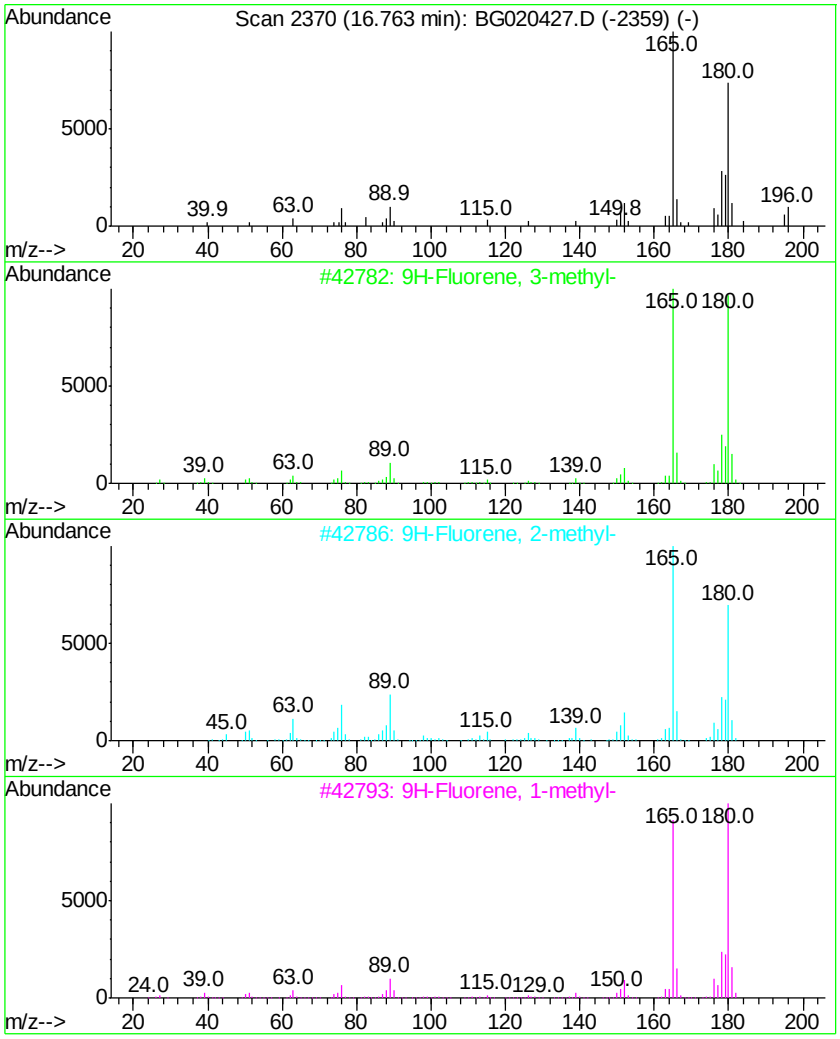
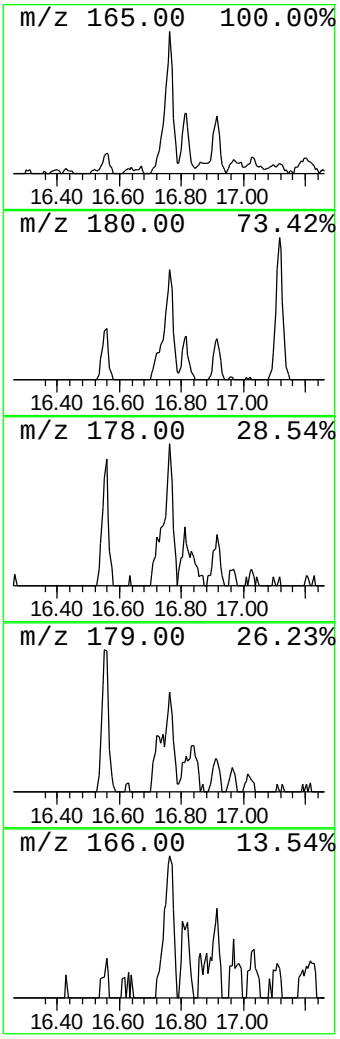
Peak Number 14 9H-Fluorene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.58 ng/ul	71204	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81





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Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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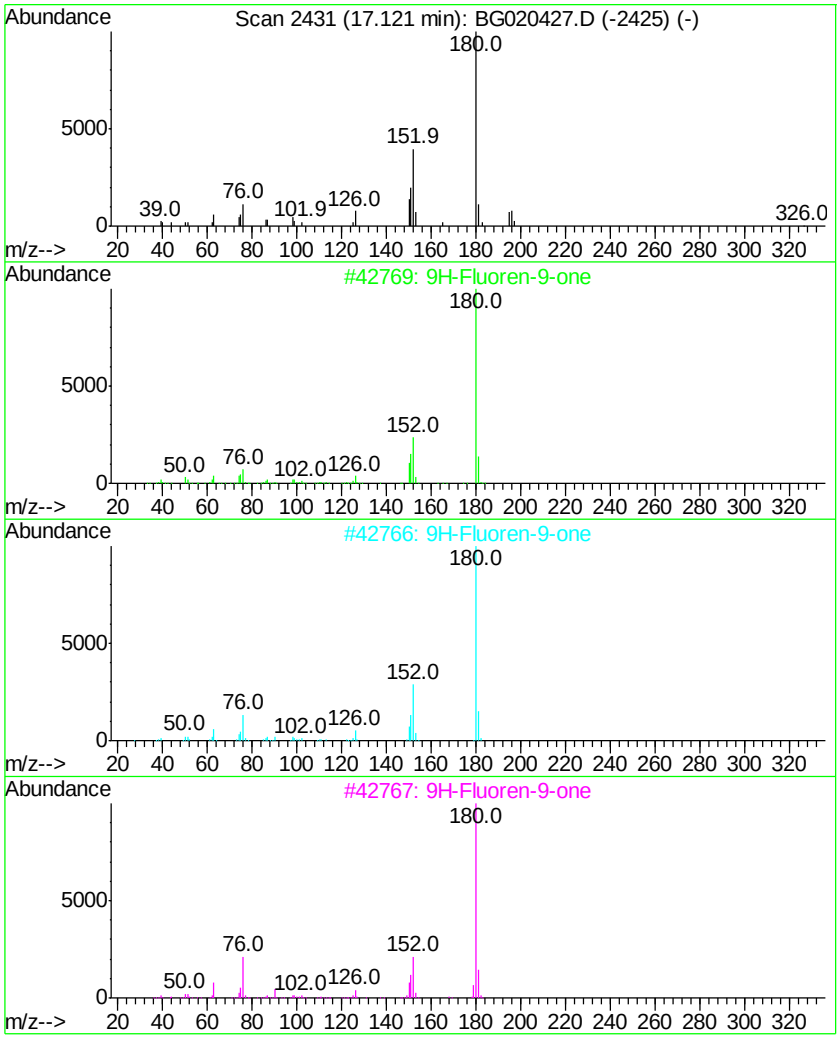
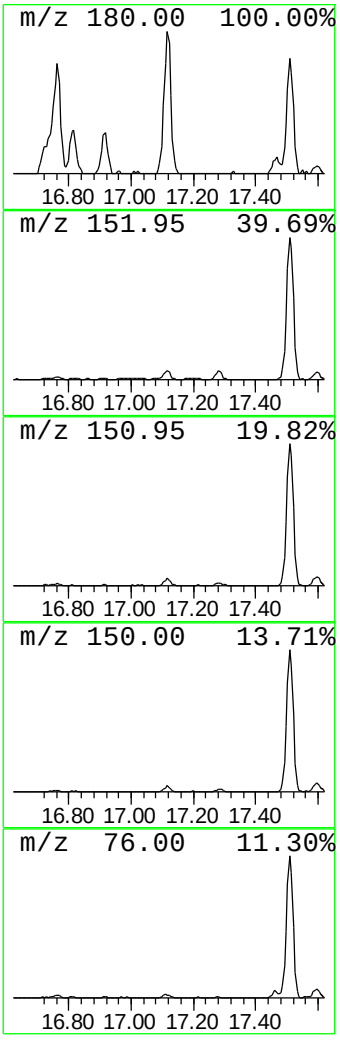
Peak Number 15 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.74 ng/ul	42660	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	72





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

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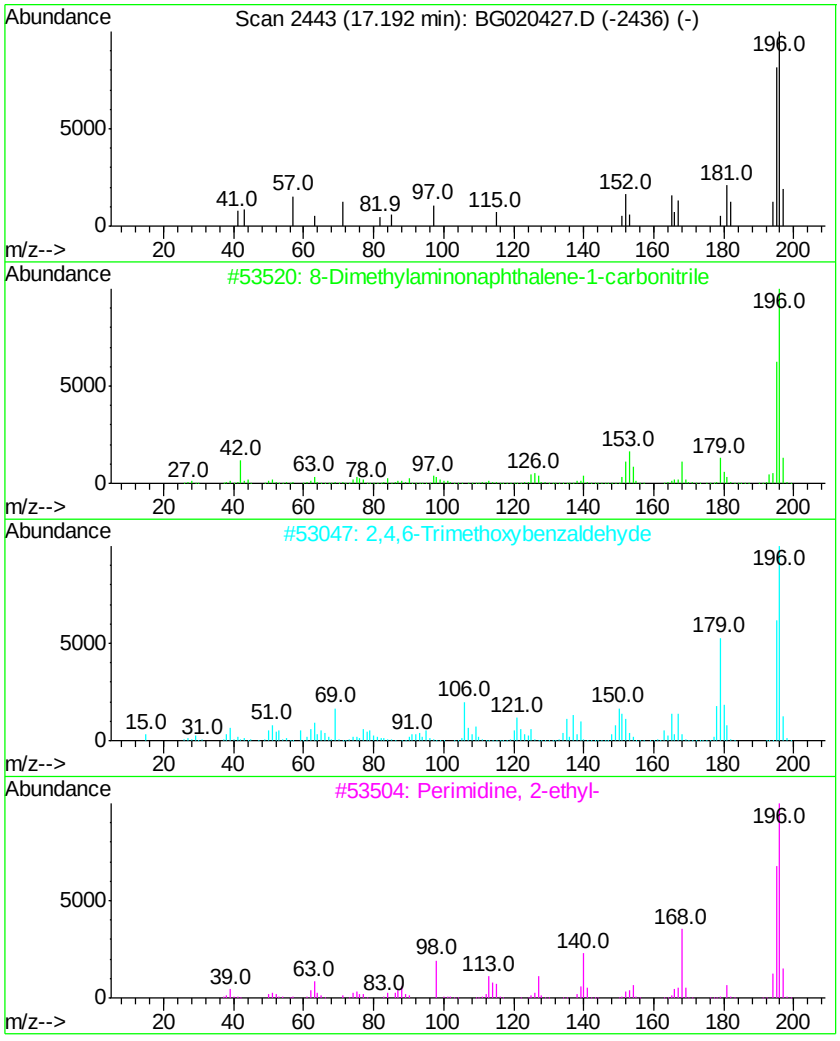
Quant Title : SVOA CALIBRATION

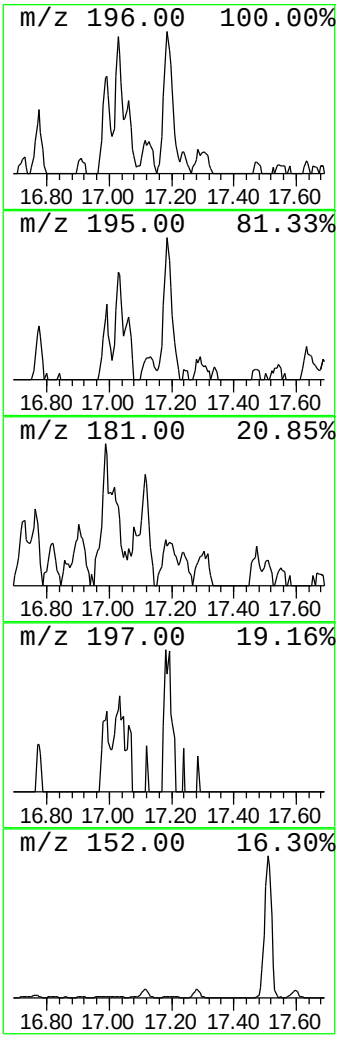
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 8-Dimethylaminonaphthalene-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	2.41 ng/ul	37531	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	56
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47





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Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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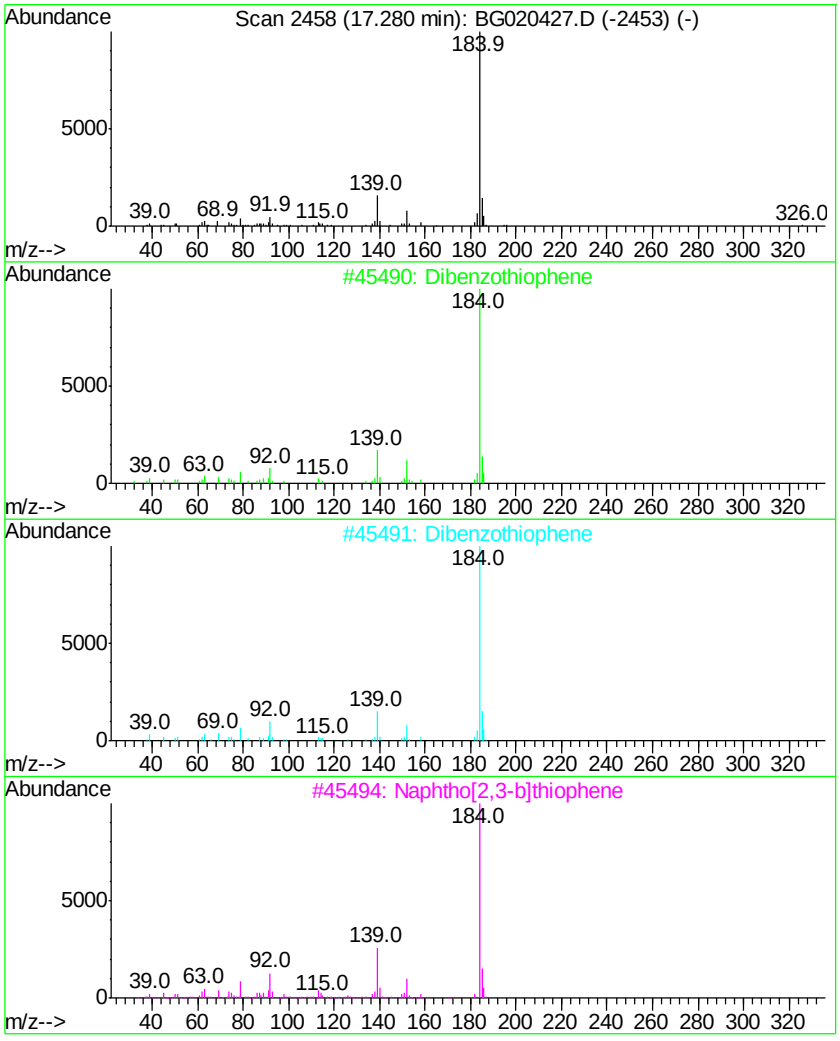
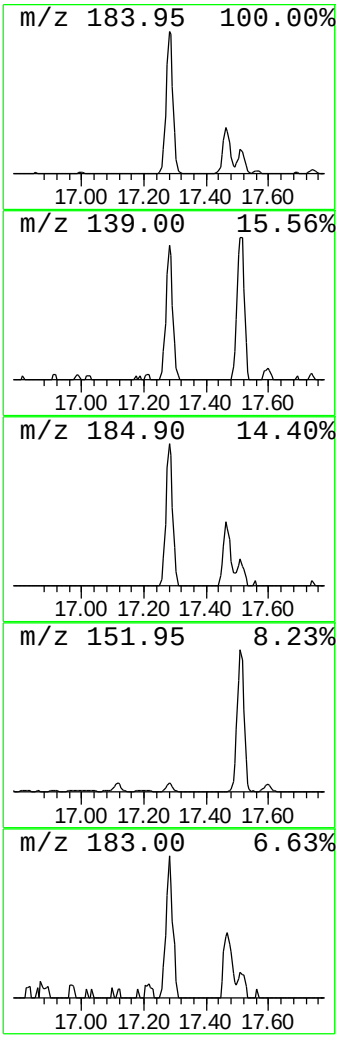
Peak Number 17 Dibenzothiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	8.39 ng/ul	130371	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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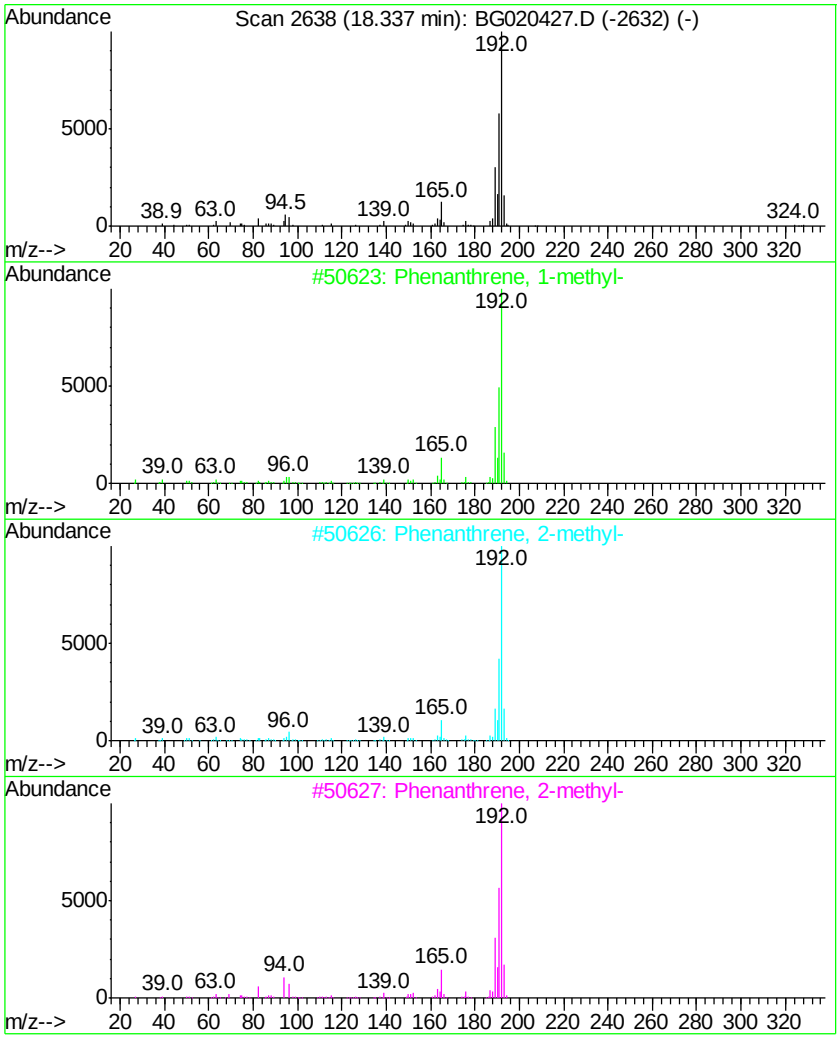
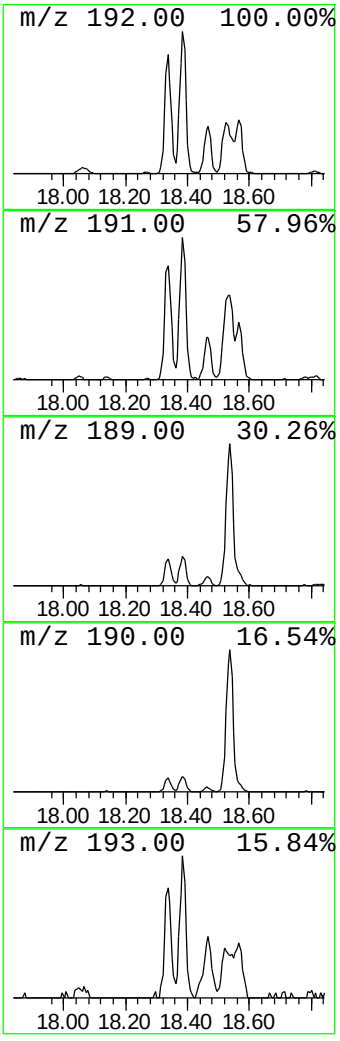
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	6.91 ng/ul	107487	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Acq On : 23 Dec 2015 4:10
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Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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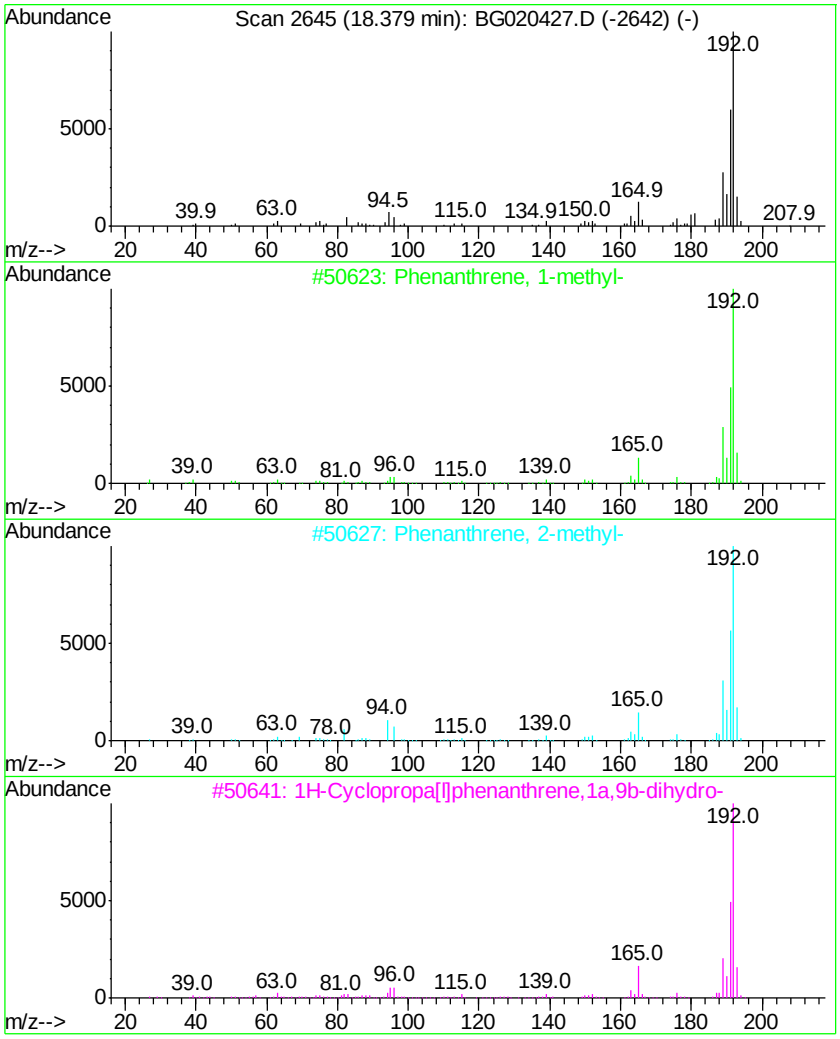
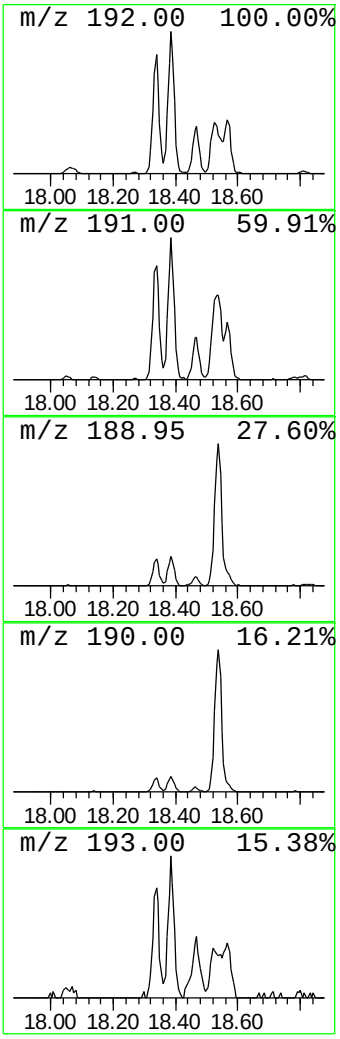
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	8.36 ng/ul	129966	Phenanthrene-d10	17.46

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





Library Search Compound Report

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Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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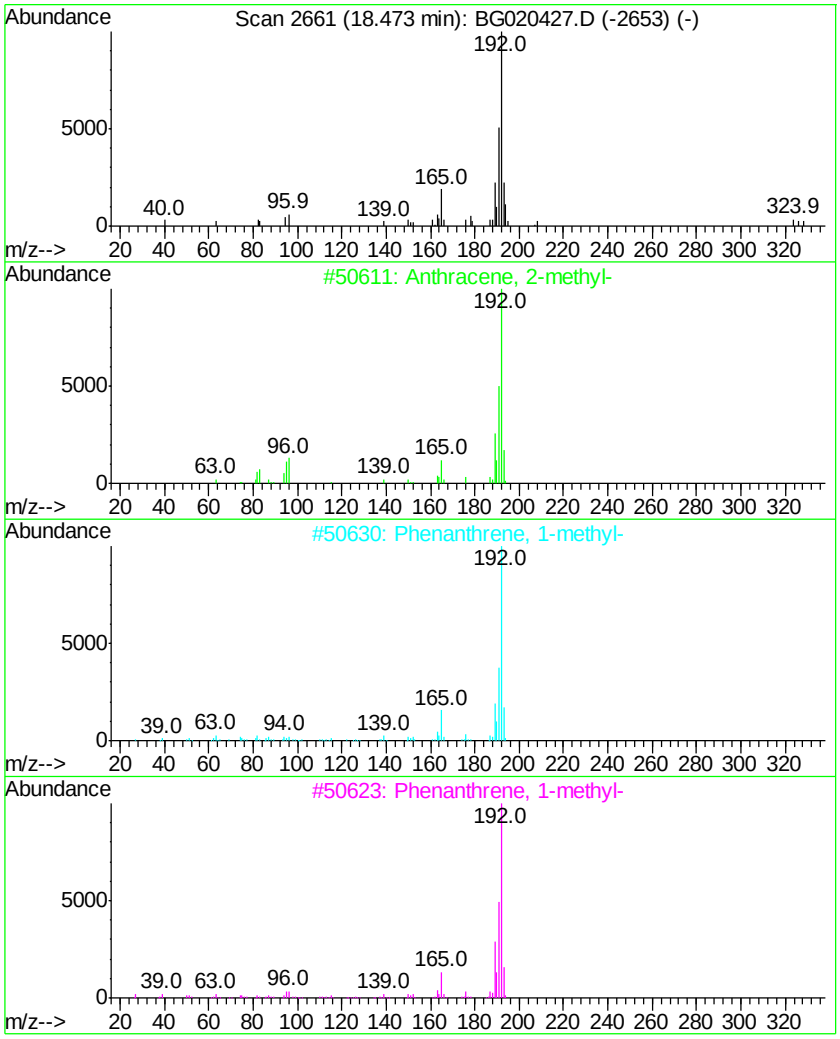
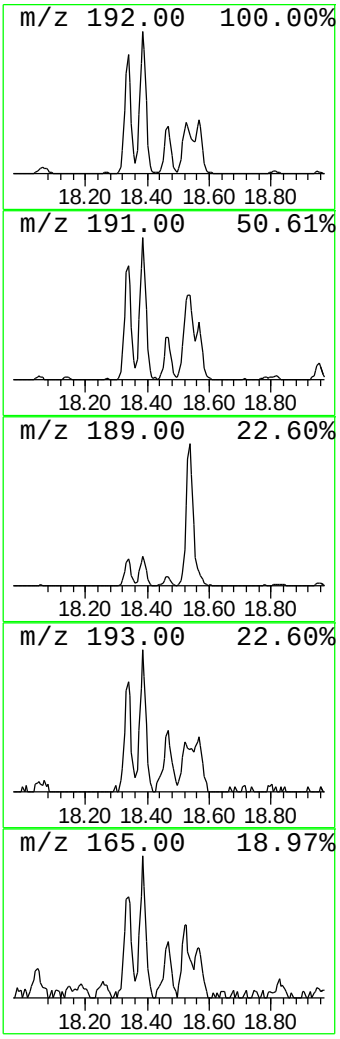
Peak Number 20 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.97 ng/ul	46180	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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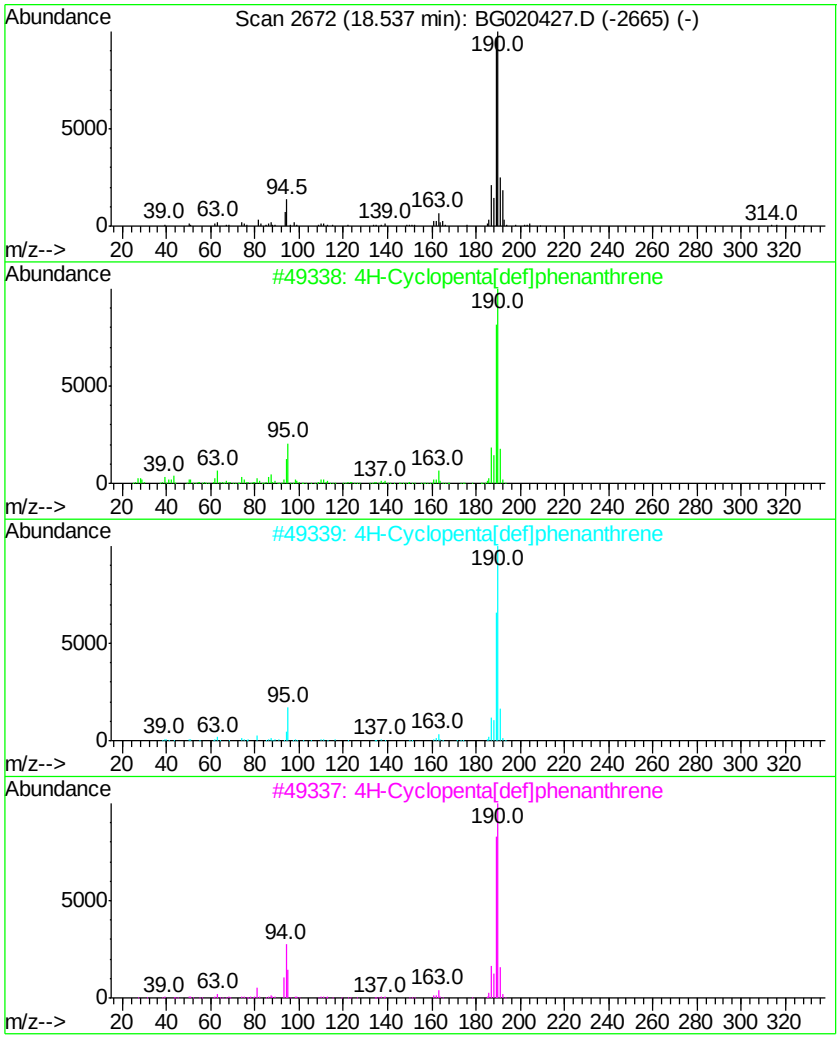
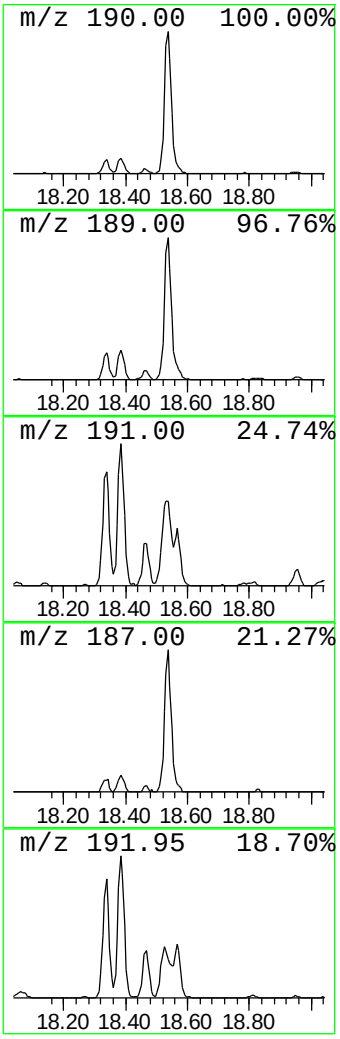
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	18.48 ng/ul	287282	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





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Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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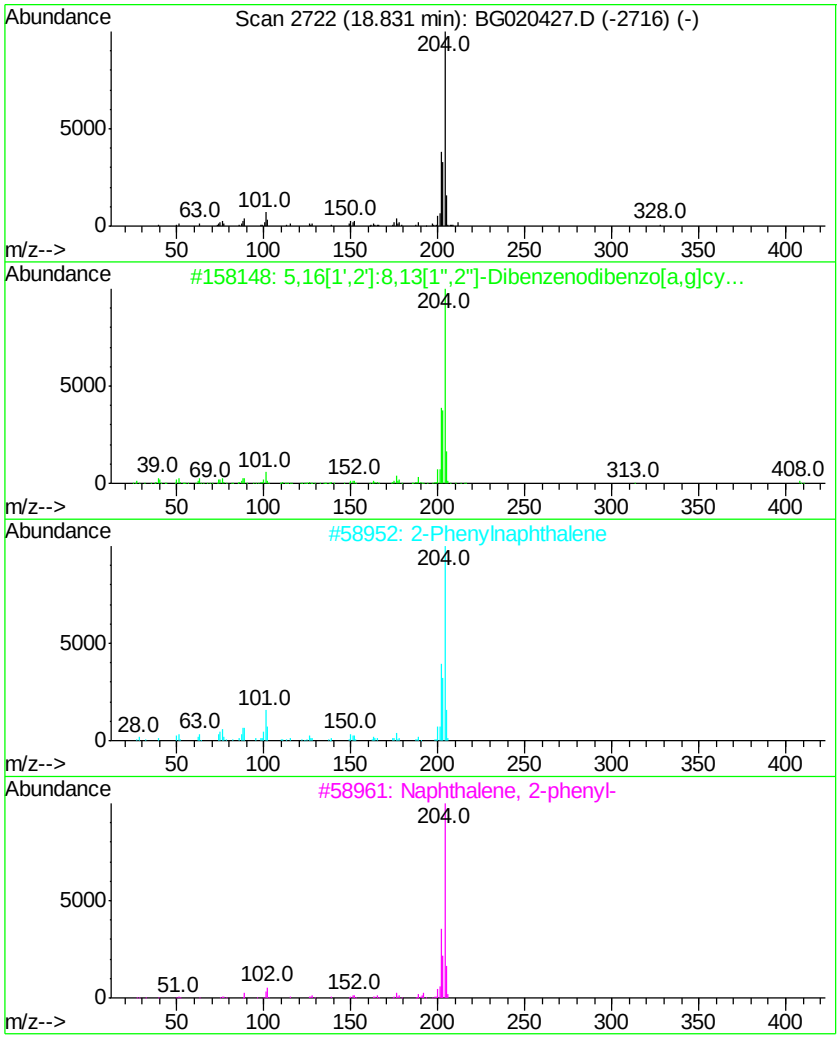
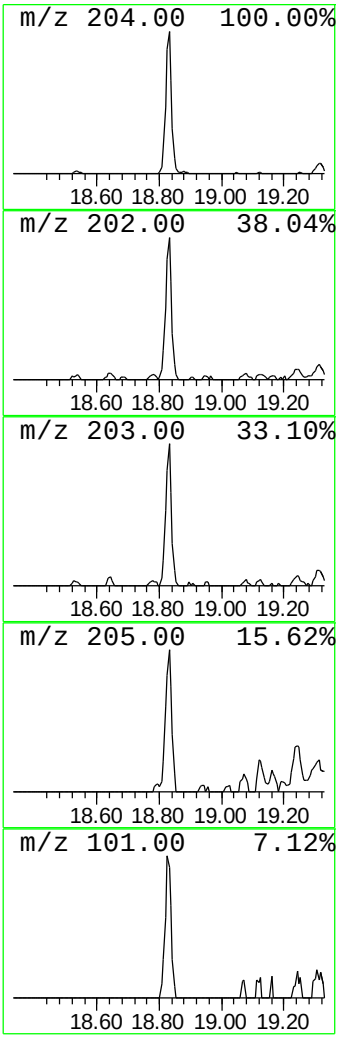
Peak Number 22 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.45 ng/ul	84733	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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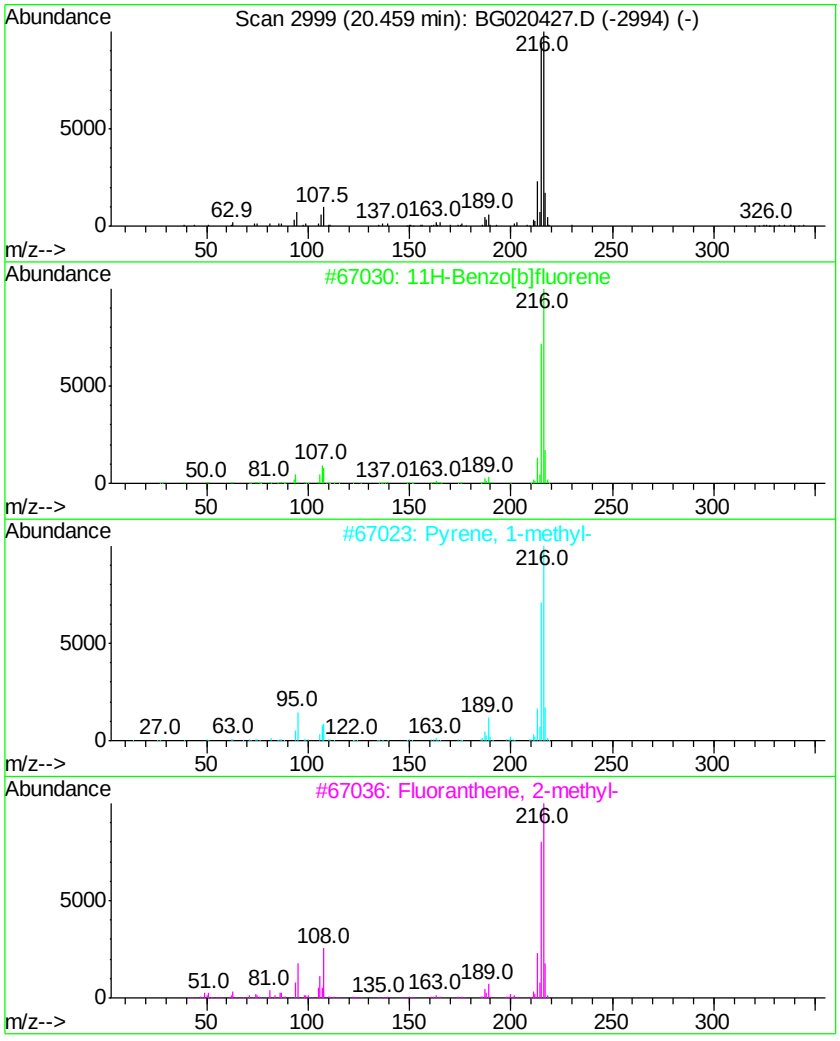
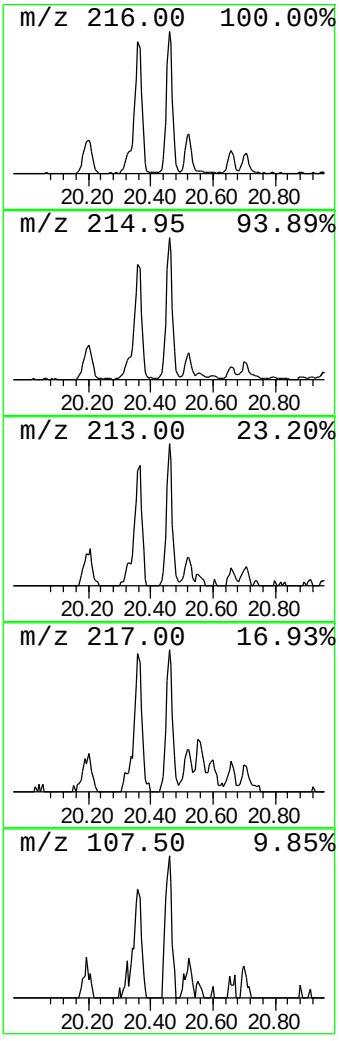
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	3.50 ng/ul	114850	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Tentatively Identified Compound (LSC) summary

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Data File : BG020427.D
Acq On : 23 Dec 2015 4:10
Operator : UM/SJ
Sample : G4849-08DL 30X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	3.11	2.6	ng/ul	12198	1	8.08	93116	20.0
Indene	8.63	2.0	ng/ul	9487	1	8.08	93116	20.0
Naphthalene, 1-me...	12.77	20.2	ng/ul	153877	2	10.90	152485	20.0
Naphthalene, 2-et...	13.75	3.6	ng/ul	42431	3	14.72	237512	20.0
Naphthalene, 2,7-...	13.88	3.9	ng/ul	45974	3	14.72	237512	20.0
Naphthalene, 2,3-...	14.04	6.1	ng/ul	72464	3	14.72	237512	20.0
Naphthalene, 1,6-...	14.09	4.2	ng/ul	49296	3	14.72	237512	20.0
Naphthalene, 1,3-...	14.27	2.1	ng/ul	25302	3	14.72	237512	20.0
Benzene, [1-(2,4-...	15.89	2.6	ng/ul	30695	3	14.72	237512	20.0
Diphenylmethane	15.92	5.7	ng/ul	67342	3	14.72	237512	20.0
1,1'-Biphenyl, 2-...	16.01	2.6	ng/ul	30775	3	14.72	237512	20.0
6H-Dibenzo[b,d]-p...	16.05	6.1	ng/ul	72769	3	14.72	237512	20.0
2,4,6-Cycloheptat...	16.20	6.6	ng/ul	102764	4	17.46	310937	20.0
9H-Fluorene, 3-me...	16.76	4.6	ng/ul	71204	4	17.46	310937	20.0
9H-Fluoren-9-one	17.12	2.7	ng/ul	42660	4	17.46	310937	20.0
8-Dimethylaminona...	17.19	2.4	ng/ul	37531	4	17.46	310937	20.0
Dibenzothiophene	17.28	8.4	ng/ul	130371	4	17.46	310937	20.0
Phenanthrene, 1-m...	18.34	6.9	ng/ul	107487	4	17.46	310937	20.0
Phenanthrene, 2-m...	18.38	8.4	ng/ul	129966	4	17.46	310937	20.0
Anthracene, 2-met...	18.47	3.0	ng/ul	46180	4	17.46	310937	20.0
4H-Cyclopenta[def...	18.54	18.5	ng/ul	287282	4	17.46	310937	20.0
5,16[1',2']:8,13[...	18.83	5.5	ng/ul	84733	4	17.46	310937	20.0
11H-Benzo[b]fluorene	20.46	3.5	ng/ul	114850	5	21.74	655428	20.0