LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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-BG122415.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	3.097	39	44	53	rBV	39181	70529	0.79%	0.156%
2	3.173	53	57	67	rVB	34035	48557	0.54%	0.107%
3	7.233	740	748	754	rVV	17471	30537	0.34%	0.067%
4	7.392	769	775	783	rBV	64273	106208	1.19%	0.234%
5	7.603	805	811	821	rVB	63713	111461	1.25%	0.246%
6	7.797	837	844	851	rBV	16800	29052	0.33%	0.064%
7	8.073	885	891	898	rBV	60004	100078	1.12%	0.221%
8	8.449	949	955	962	rBB	42927	70564	0.79%	0.156%
9	8.614	976	983	995	rBV	232035	403686	4.53%	0.891%
10	8.784	1005	1012	1021	rBV	55613	96713	1.08%	0.213%
11	9.242	1084	1090	1098	rBV	87177	164657	1.85%	0.363%
12	9.560	1133	1144	1151	rVV	32091	72333	0.81%	0.160%
13	9.971	1208	1214	1223	rBV	76948	137307	1.54%	0.303%
14	10.282	1260	1267	1278	rBV3	22594	59850	0.67%	0.132%
15	10.388	1278	1285	1296	rVB3	12440	31004	0.35%	0.068%
16	10.517	1300	1307	1316	rBV	122715	223349	2.51%	0.493%
17	10.899	1365	1372	1373	rVV	71966	106871	1.20%	0.236%
18	10.976	1373	1385	1394	rVV	3727674	8914563	100.00%	19.669%
19	11.070	1394	1401	1409	rVB	223814	390350	4.38%	0.861%
20	12.439	1625	1634	1643	rVB	35092	60934	0.68%	0.134%
21	12.550	1643	1653	1660	rBV	1311604	2206649	24.75%	4.869%
22	12.662	1665	1672	1678	rBV	42572	78129	0.88%	0.172%
23	12.768	1678	1690	1698	rVB	872685	1508027	16.92%	3.327%
24	13.185	1754	1761	1769	rBB2	19754	35928	0.40%	0.079%
25	13.543	1815	1822	1833	rBV	498075	772845	8.67%	1.705%
26	13.737	1849	1855	1867	rVB	95152	205504	2.31%	0.453%
27	13.884	1867	1880	1887	rBV2	88652	241609	2.71%	0.533%
28	14.025	1897	1904	1910	rVV	174074	331491	3.72%	0.731%
29	14.084	1910	1914	1915	rVV	109483	142009	1.59%	0.313%
30	14.113	1915	1919	1925	rVV	267345	403173	4.52%	0.890%
31	14.266	1938	1945	1948	rBV	72264	111858	1.25%	0.247%
32	14.295	1948	1950	1956	rVB2	30255	40276	0.45%	0.089%
33	14.407	1962	1969	1982	rVB2	273881	581456	6.52%	1.283%
34	14.677	2009	2015	2018	rBV	98098	160402	1.80%	0.354%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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-BG122415.M
Title : SVOA CALIBRATION

35	14.712	2018	2021	2026	rVV2	156905	243729	2.73%	0.538%
36	14.783	2026	2033	2039	rVV	2325873	3957266	44.39%	8.731%
37	14.848	2039	2044	2050	rVV	562512	866482	9.72%	1.912%
38	14.918	2050	2056	2063	rVV4	26708	61762	0.69%	0.136%
39	15.018	2068	2073	2077	rVV	57322	90879	1.02%	0.201%
40	15.112	2082	2089	2097	rVV2	1346953	2405769	26.99%	5.308%
41	15.177	2097	2100	2109	rVB5	19021	31666	0.36%	0.070%
42	15.318	2116	2124	2129	rBV3	22122	42232	0.47%	0.093%
43	15.376	2129	2134	2145	rVB4	14995	33793	0.38%	0.075%
44	15.494	2145	2154	2157	rBV	13244	28486	0.32%	0.063%
45	15.700	2184	2189	2194	rVV	363833	580217	6.51%	1.280%
46	15.764	2194	2200	2205	rVV	1325261	2088054	23.42%	4.607%
47	15.823	2205	2210	2216	rVV3	118744	243790	2.73%	0.538%
48	15.882	2216	2220	2222	rVV2	87089	136570	1.53%	0.301%
49	15.917	2222	2226	2231	rVV2	116849	206578	2.32%	0.456%
50	15.964	2231	2234	2238	rVV3	35328	64406	0.72%	0.142%
51	16.005	2238	2241	2244	rVV	55416	76436	0.86%	0.169%
52	16.046	2244	2248	2256	rVB	115131	168387	1.89%	0.372%
53	16.187	2256	2272	2284	rBV4	144985	358204	4.02%	0.790%
54	16.434	2305	2314	2324	rVB	193010	314975	3.53%	0.695%
55	16.546	2324	2333	2339	rBV	68672	102789	1.15%	0.227%
56	16.610	2339	2344	2346	rBV	17208	27439	0.31%	0.061%
57	16.722	2356	2363	2366	rBV5	37843	88596	0.99%	0.195%
58	16.751	2366	2368	2373	rVV	51766	74263	0.83%	0.164%
59	16.804	2373	2377	2383	rVV3	24034	38514	0.43%	0.085%
60	16.904	2388	2394	2399	rVB2	31709	50799	0.57%	0.112%
61	17.116	2418	2430	2437	rVB	560563	875535	9.82%	1.932%
62	17.274	2449	2457	2466	rVB	228523	354704	3.98%	0.783%
63	17.456	2482	2488	2491	rVV	202618	355783	3.99%	0.785%
64	17.509	2491	2497	2502	rVV	2511548	4120344	46.22%	9.091%
65	17.556	2502	2505	2509	rVV	448742	649232	7.28%	1.432%
66	17.591	2509	2511	2516	rVB	134721	147789	1.66%	0.326%
67	17.650	2516	2521	2526	rVB2	28469	47616	0.53%	0.105%
68	17.868	2551	2558	2563	rBV	1165482	1803153	20.23%	3.979%
69	17.973	2569	2576	2580	rVB5	26792	49545	0.56%	0.109%
70	18.038	2580	2587	2589	rBV3	17525	35512	0.40%	0.078%
71	18.150	2601	2606	2613	rVB5	25286	59815	0.67%	0.132%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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-BG122415.M
Title : SVOA CALIBRATION

72	18.326	2631	2636	2640	rVV	70968	101549	1.14%	0.224%
73	18.373	2640	2644	2649	rVV	231358	326255	3.66%	0.720%
74	18.420	2649	2652	2656	rVV	23020	32427	0.36%	0.072%
75	18.526	2663	2670	2680	rBV2	206427	377236	4.23%	0.832%
76	18.625	2680	2687	2691	rBV2	69040	115665	1.30%	0.255%
77	18.673	2691	2695	2699	rVV	114505	164438	1.84%	0.363%
78	18.761	2705	2710	2716	rVV	102872	169112	1.90%	0.373%
79	18.819	2716	2720	2724	rVV	48909	78627	0.88%	0.173%
80	18.866	2724	2728	2733	rVV	148061	211789	2.38%	0.467%
81	19.148	2769	2776	2781	rVV6	15407	35739	0.40%	0.079%
82	19.231	2781	2790	2797	rVB9	13854	43899	0.49%	0.097%
83	19.336	2797	2808	2812	rBV7	13611	36233	0.41%	0.080%
84	19.383	2812	2816	2822	rVB3	22096	37264	0.42%	0.082%
85	19.501	2829	2836	2843	rVV	599670	848127	9.51%	1.871%
86	19.701	2864	2870	2874	rBV3	28334	48682	0.55%	0.107%
87	19.748	2874	2878	2887	rVV2	21929	37200	0.42%	0.082%
88	19.836	2887	2893	2896	rVV	604251	955207	10.72%	2.108%
89	19.865	2896	2898	2906	rVV	355618	445927	5.00%	0.984%
90	20.059	2923	2931	2937	rVB3	14670	32143	0.36%	0.071%
91	20.241	2957	2962	2967	rVV	133621	189016	2.12%	0.417%
92	20.300	2967	2972	2978	rVV	46781	81109	0.91%	0.179%
93	20.353	2978	2981	2986	rVB	20984	27003	0.30%	0.060%
94	20.447	2992	2997	3002	rBV	27034	40703	0.46%	0.090%
95	20.952	3079	3083	3092	rVB	23357	42629	0.48%	0.094%
96	21.305	3138	3143	3146	rBV	17436	27763	0.31%	0.061%
97	21.722	3207	3214	3221	rBV2	322745	577270	6.48%	1.274%
98	22.139	3279	3285	3296	rVB	33899	62360	0.70%	0.138%
99	24.765	3720	3732	3747	rBV	295895	816240	9.16%	1.801%
100	24.983	3759	3769	3780	rBV2	154905	431748	4.84%	0.953%

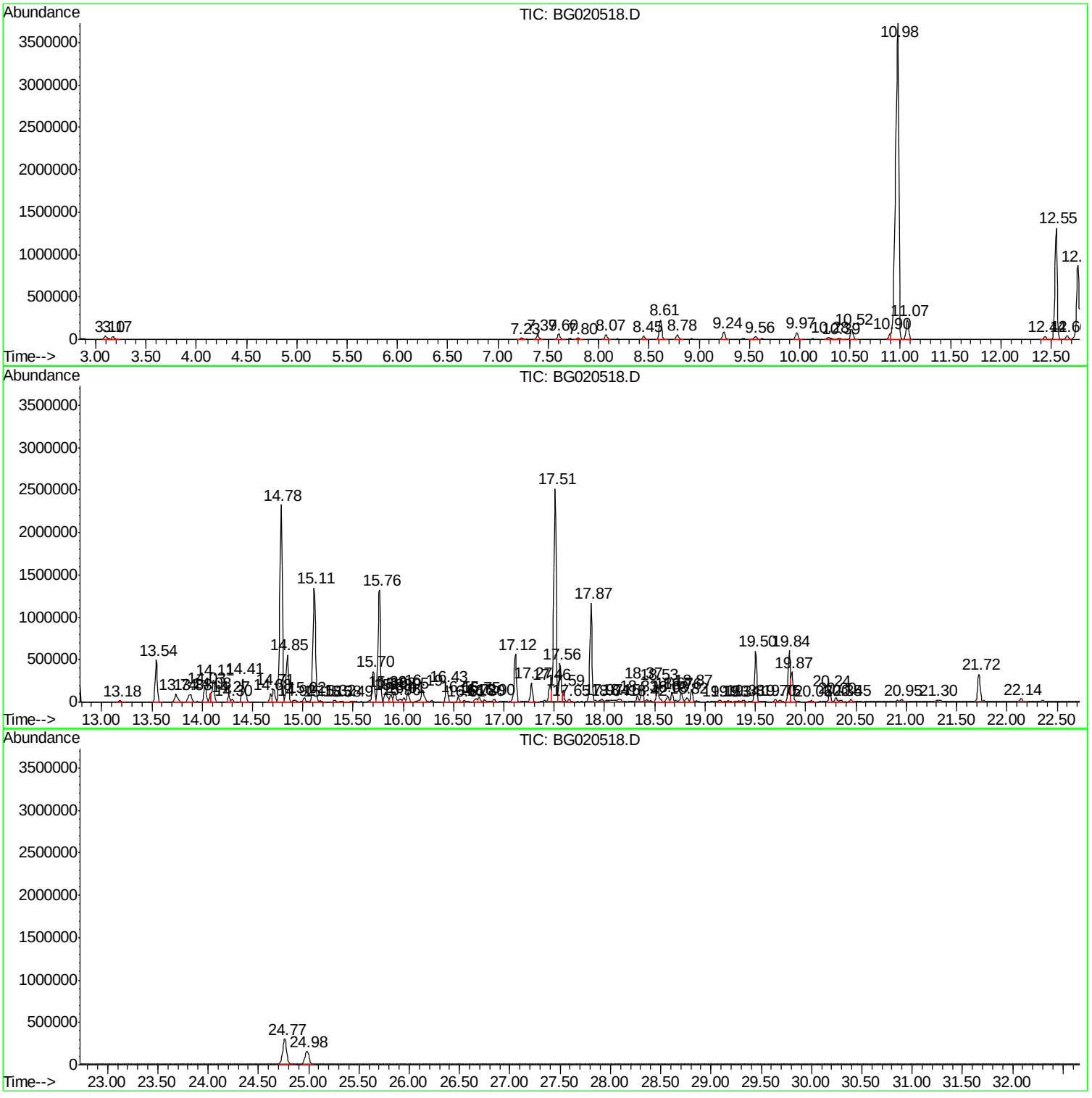
Sum of corrected areas: 45322428

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
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Misc :
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Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

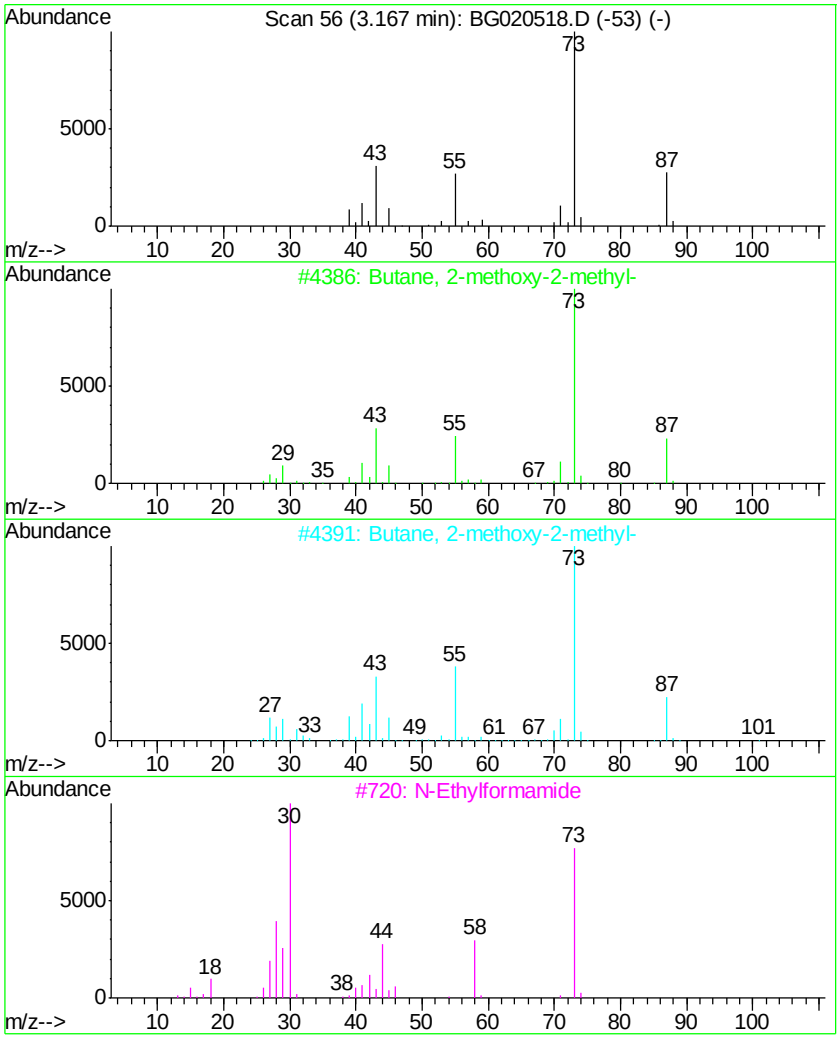
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

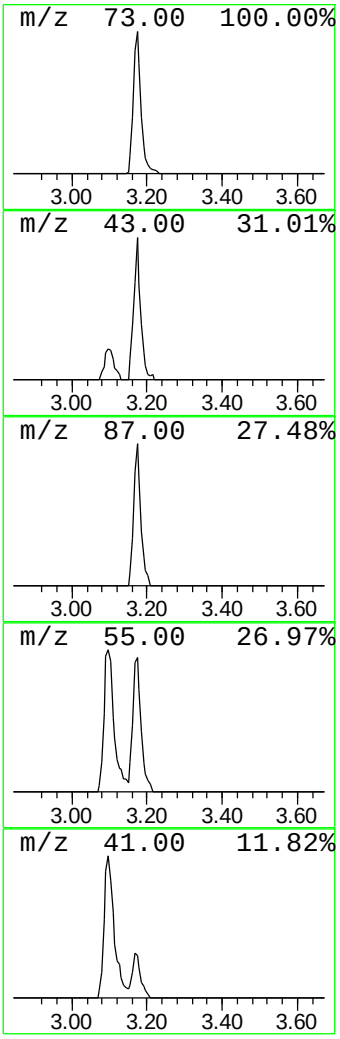
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	9.70 ng/ul	48557	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

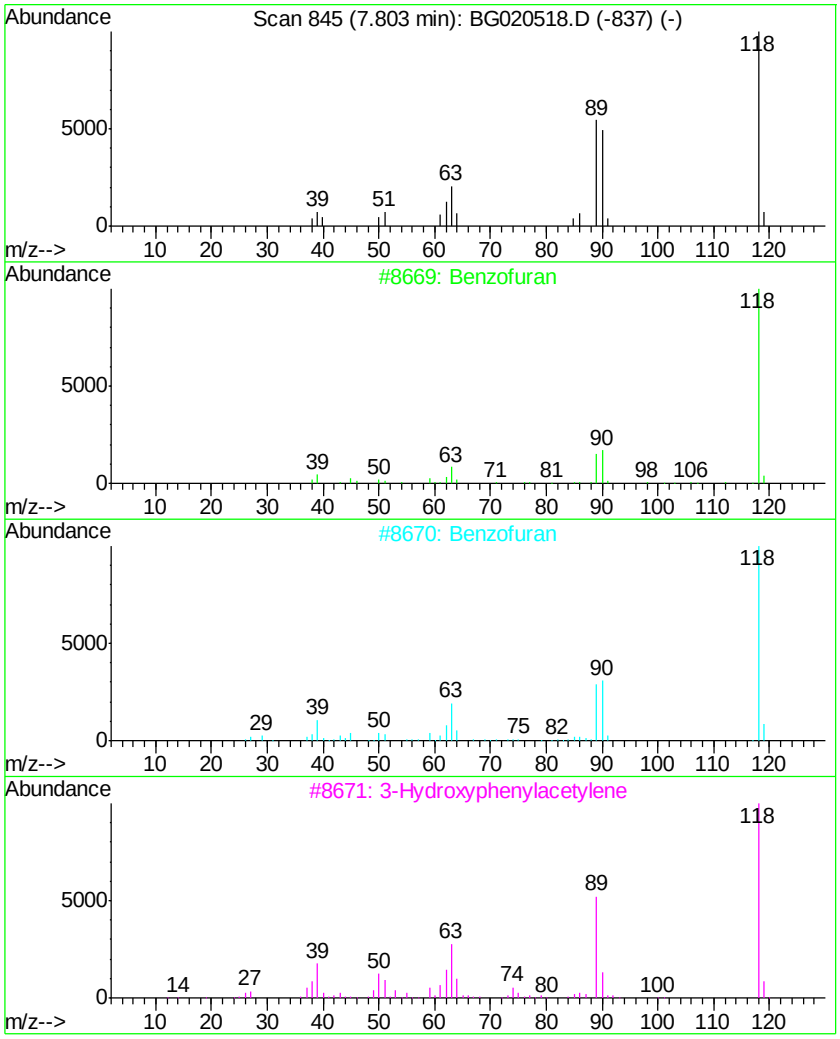
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

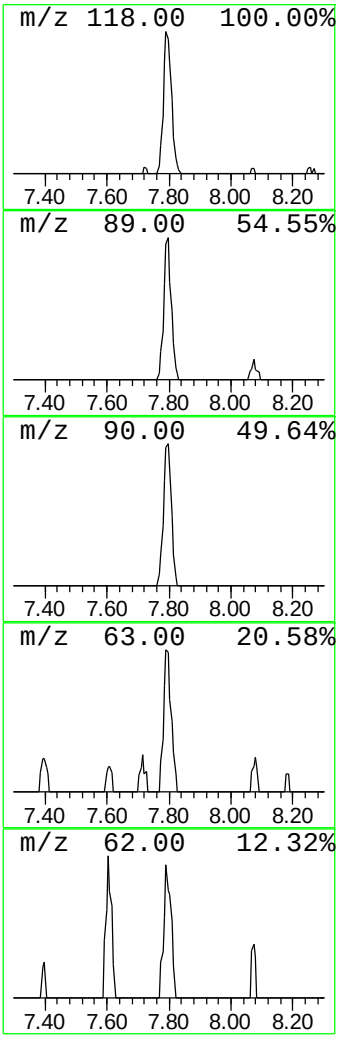
****

Peak Number 3 Benzofuran Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	5.81 ng/ul	29052	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	90
2	Benzofuran	118	C8H6O	000271-89-6	83
3	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	80
4	Benzofuran	118	C8H6O	000271-89-6	72
5	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

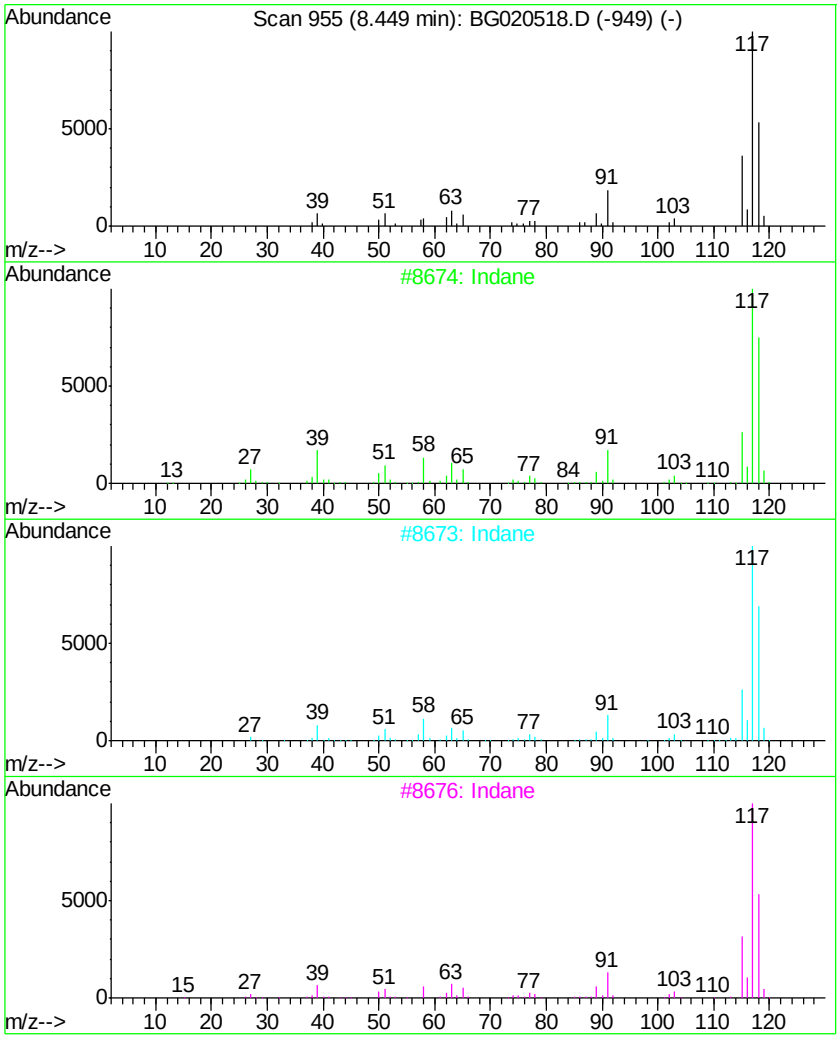
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

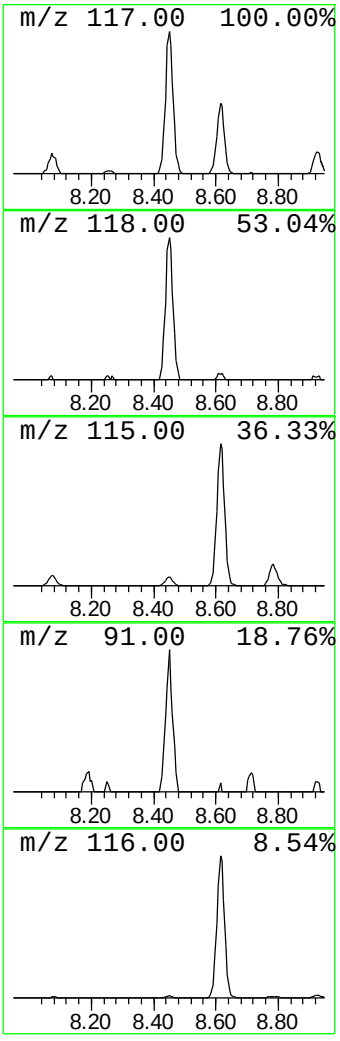
****

Peak Number 4 Indane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	14.10 ng/ul	70564	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

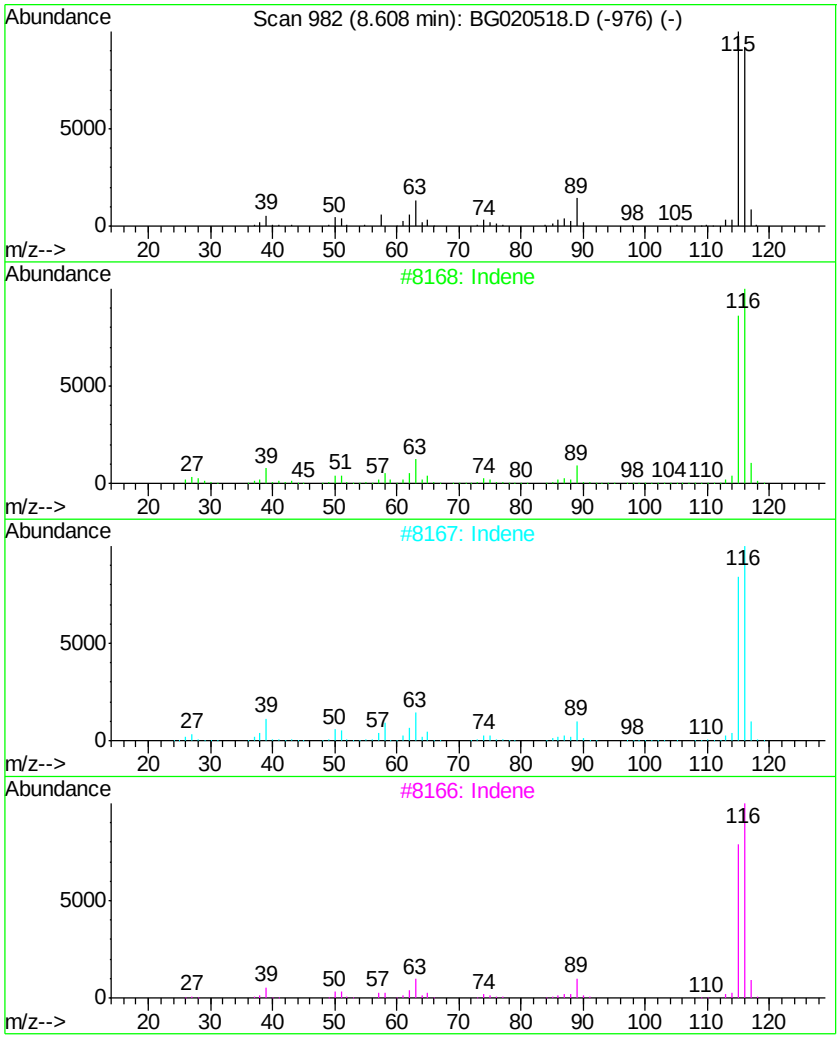
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

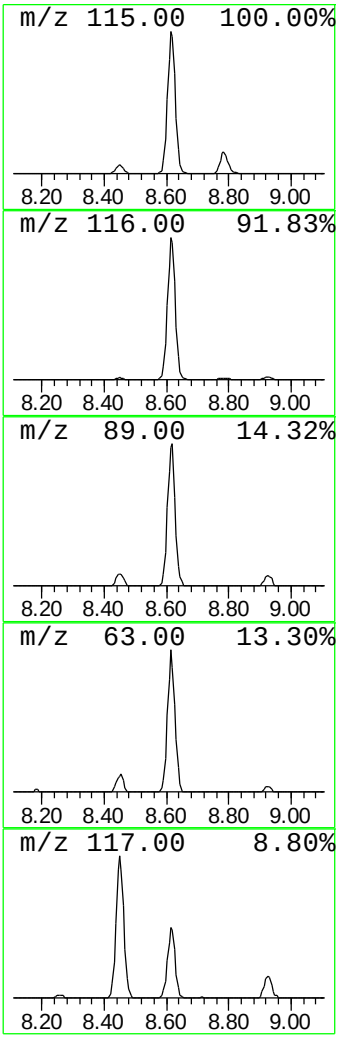
****

Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	80.67 ng/ul	403686	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

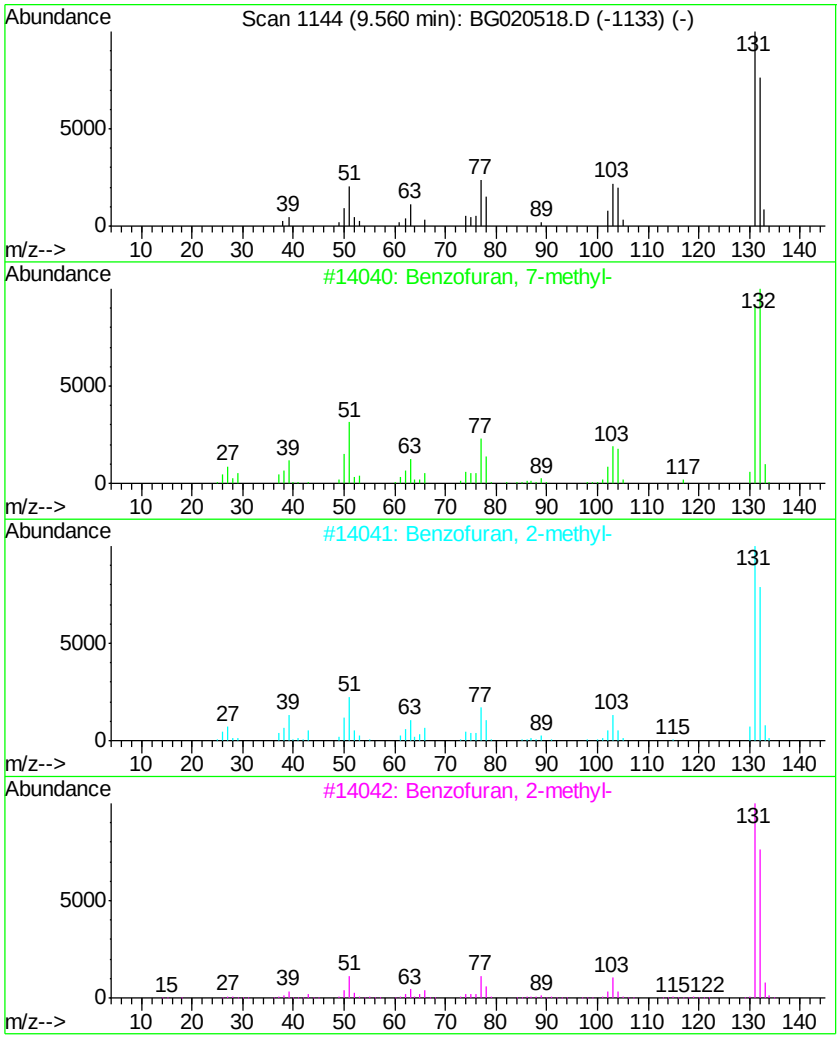
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

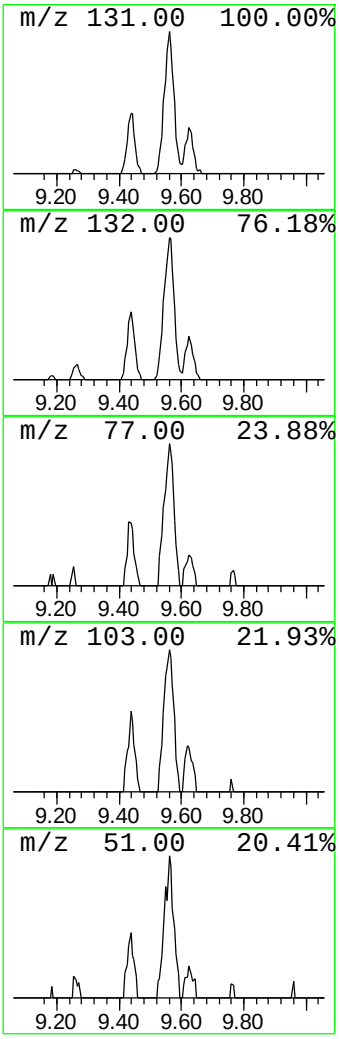
****

Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	13.54 ng/ul	72333	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	93
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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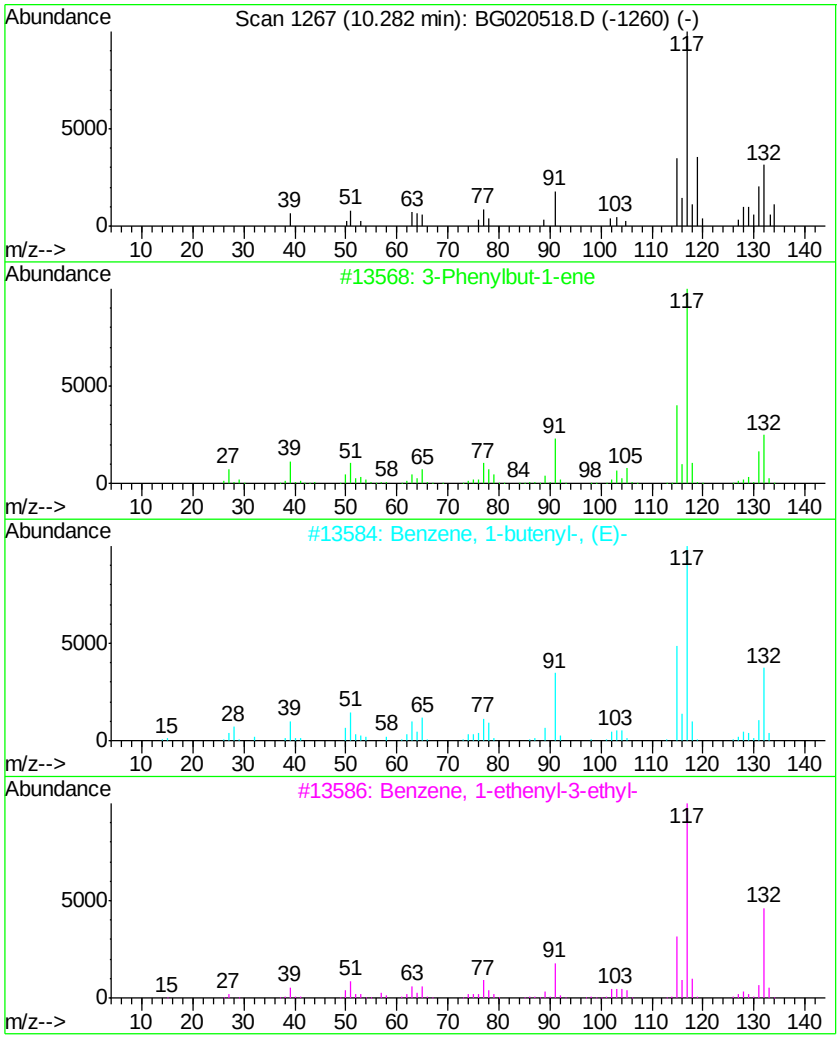
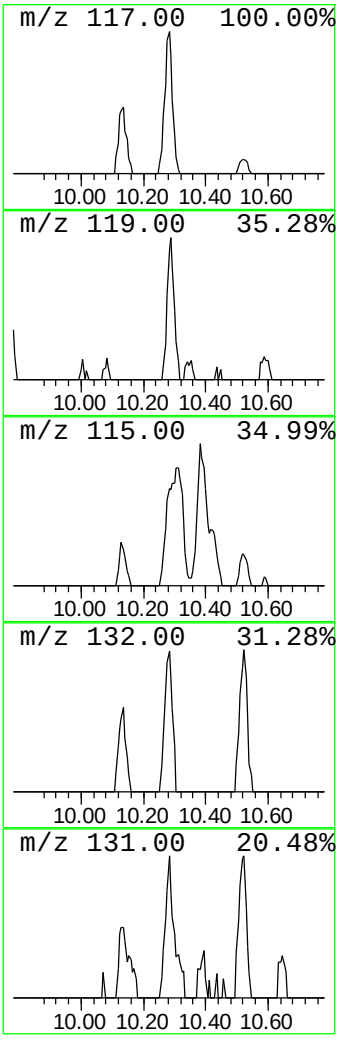
Peak Number 7 3-Phenylbut-1-ene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	11.20 ng/ul	59850	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
2	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	70
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	58
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	58





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Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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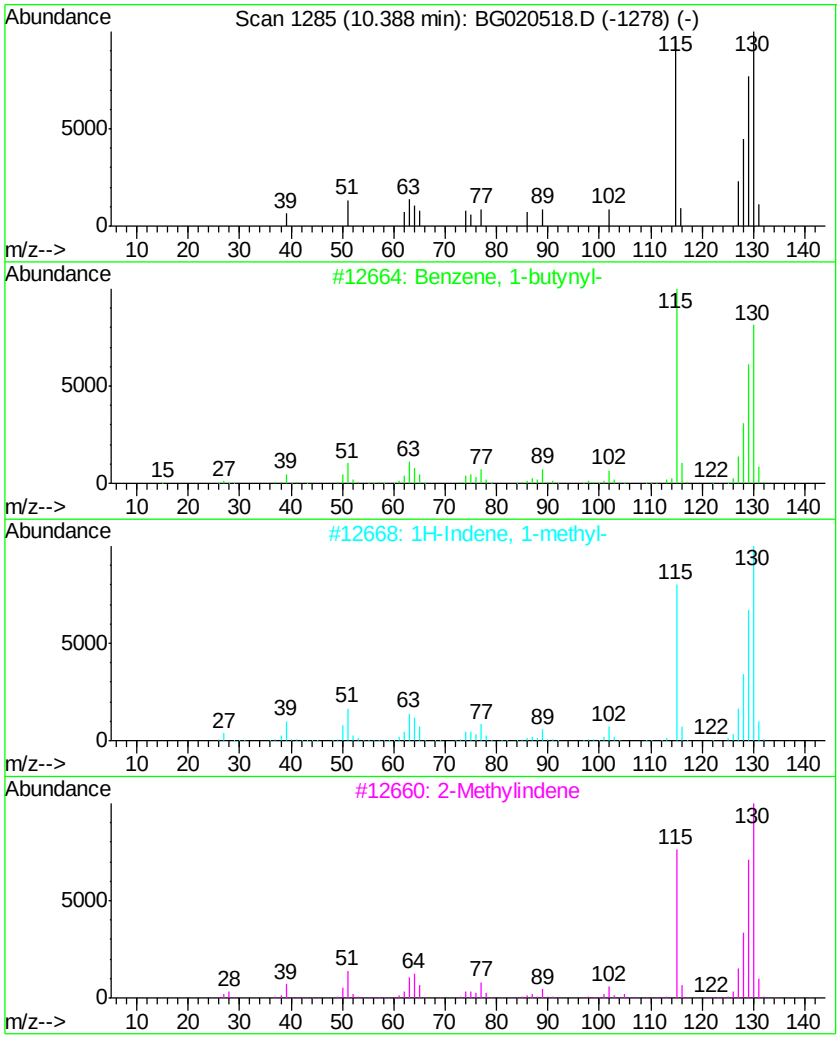
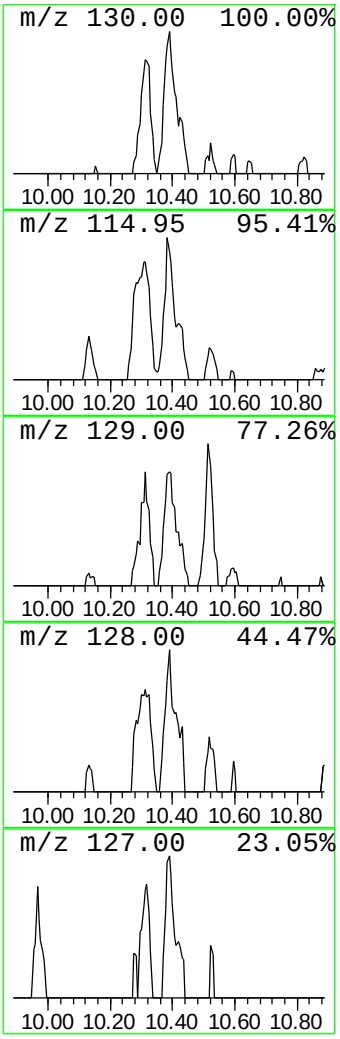
Peak Number 8 Benzene, 1-butynyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	5.80 ng/ul	31004	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
3	2-Methylindene	130	C10H10	002177-47-1	87
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	87
5	2-Methylindene	130	C10H10	002177-47-1	87





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Sample : G4847-08
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Instrument : BNA_G
ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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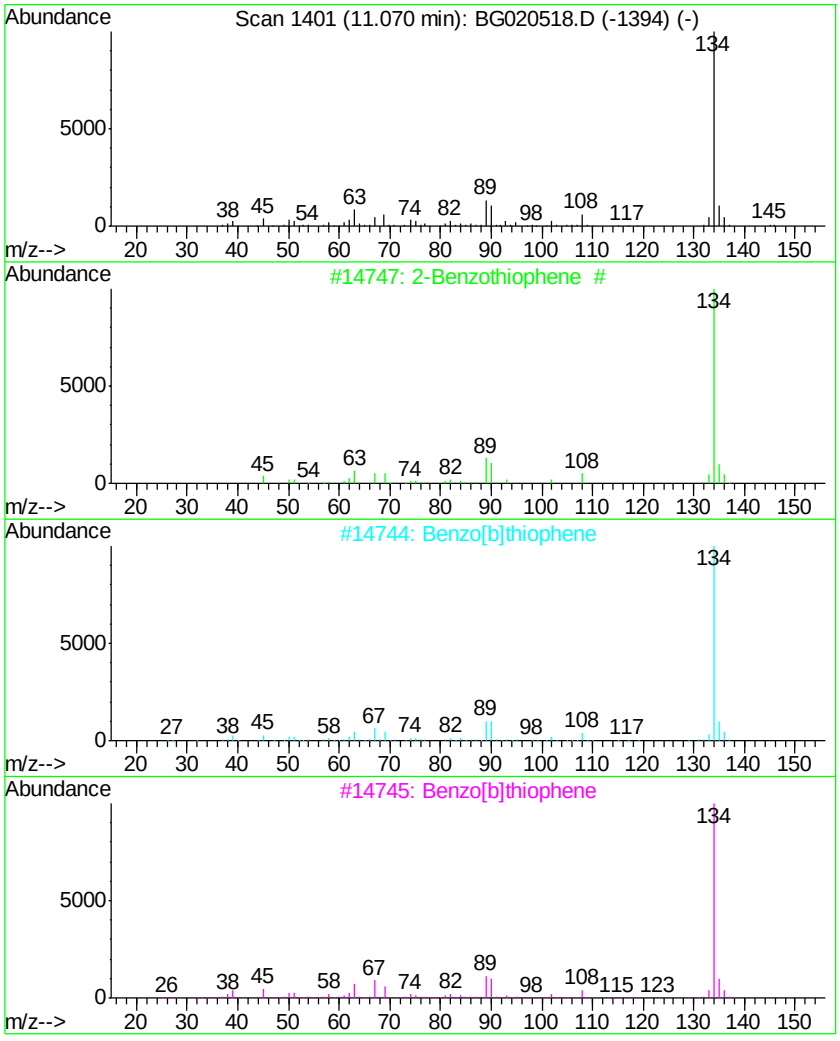
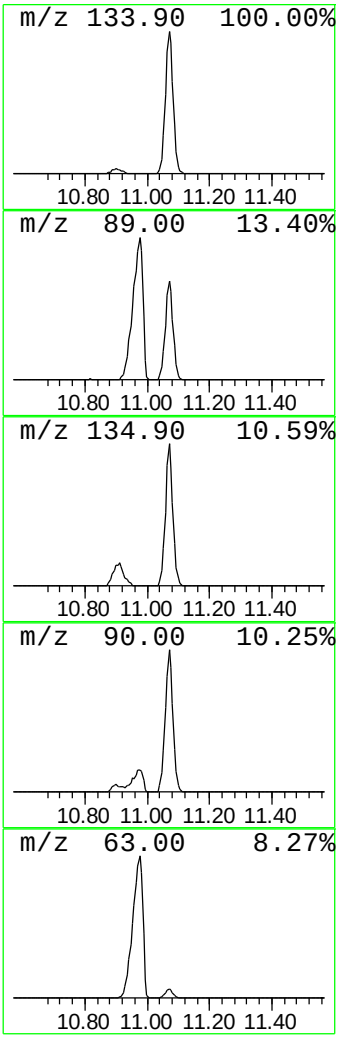
Peak Number 9 2-Benzothiophene # Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	73.05 ng/ul	390350	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	90





Library Search Compound Report

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Sample : G4847-08
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Instrument : BNA_G
ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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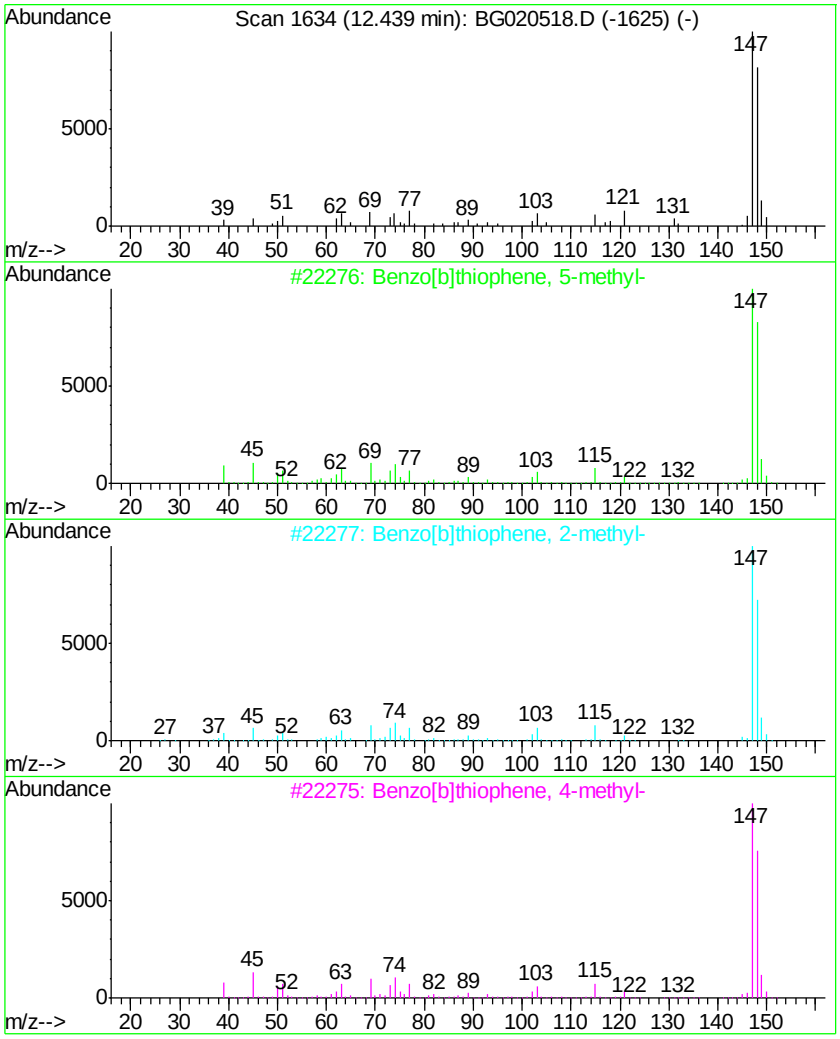
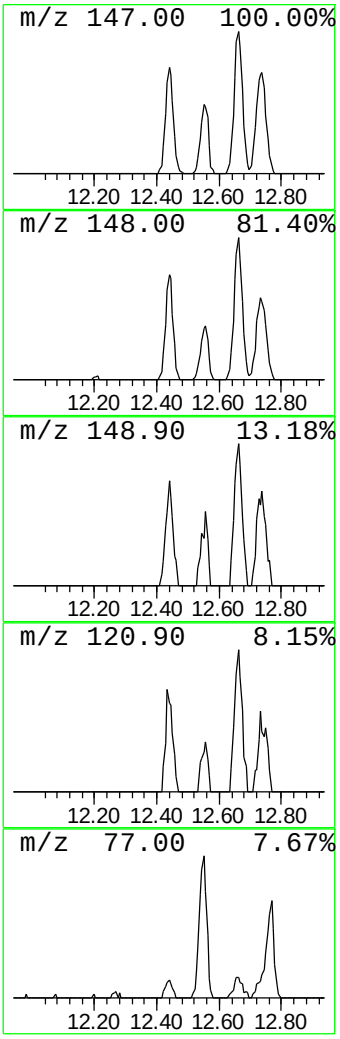
Peak Number 10 Benzo[b]thiophene, 5-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	11.40 ng/ul	60934	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	86





Library Search Compound Report

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Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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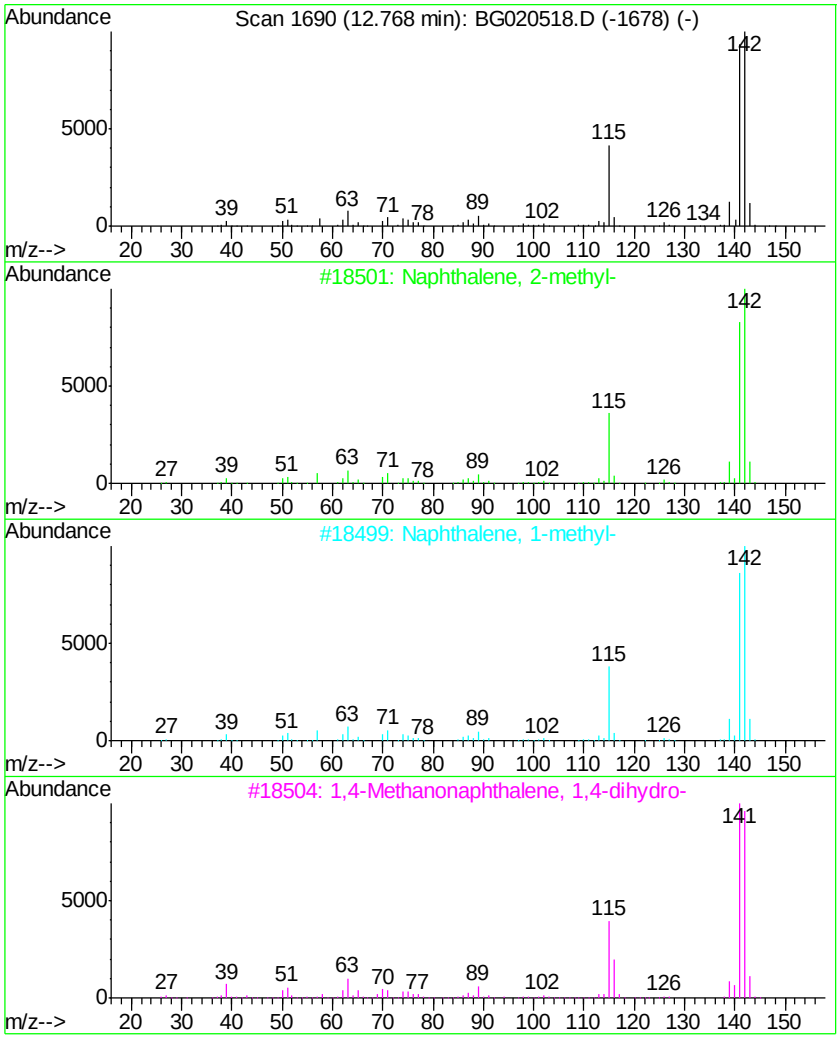
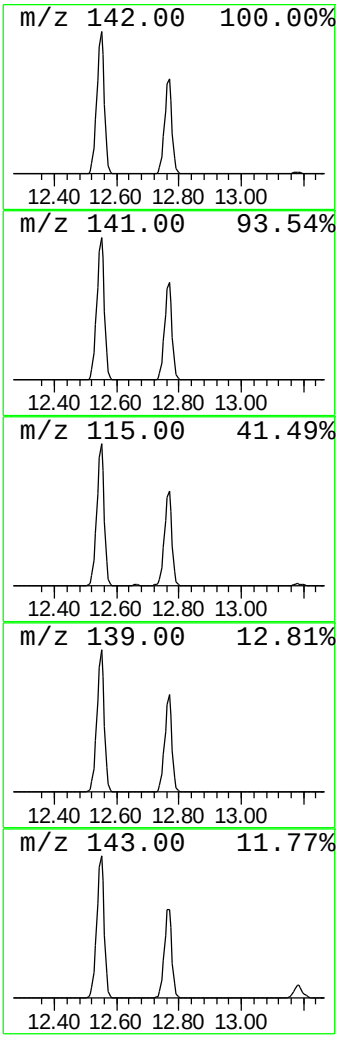
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	282.21 ng/ul	1508030	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	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, 1-methyl-	142	C11H10	000090-12-0	94





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Acq On : 26 Dec 2015 00:23
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Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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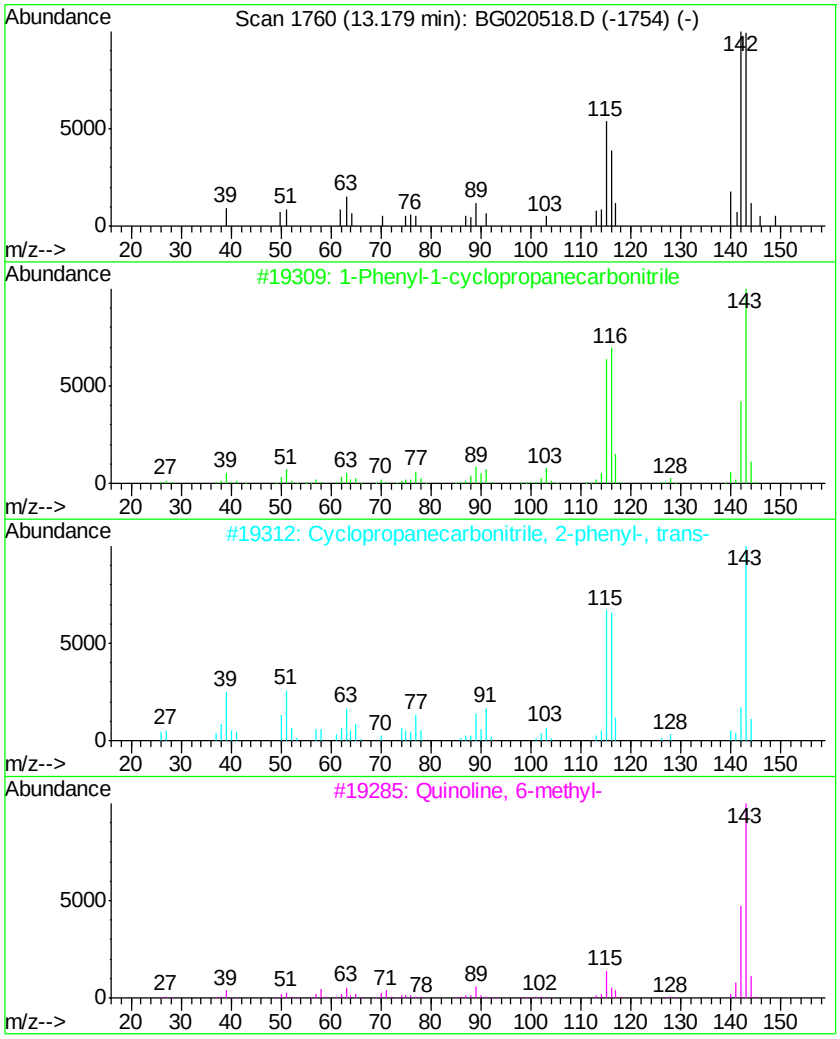
Quant Title : SVOA CALIBRATION

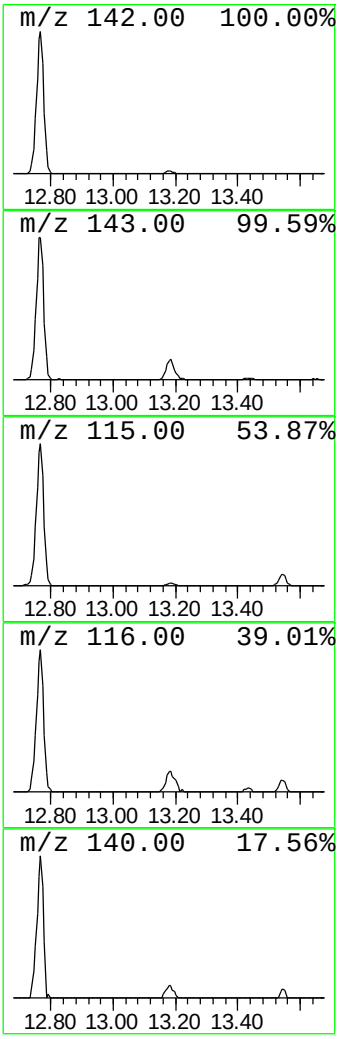
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1-Phenyl-1-cyclopropanecarb... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.95 ng/ul	35928	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	74
2	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	58
3	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	58
4	11-Azabicyclo[4.4.1]undeca-1,3,5...	143	C10H9N	004753-55-3	58
5	1-Propene, 3-cyano-1-phenyl-	143	C10H9N	1000164-96-2	58





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Sample : G4847-08
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Instrument : BNA_G
ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

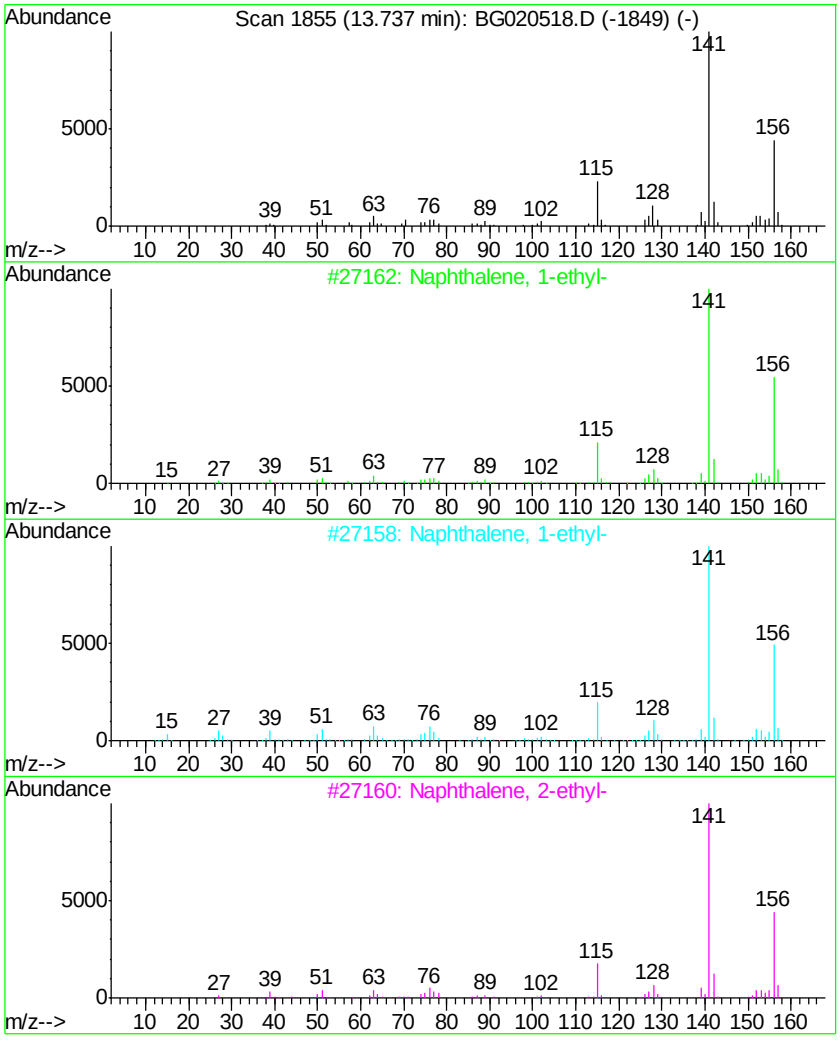
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

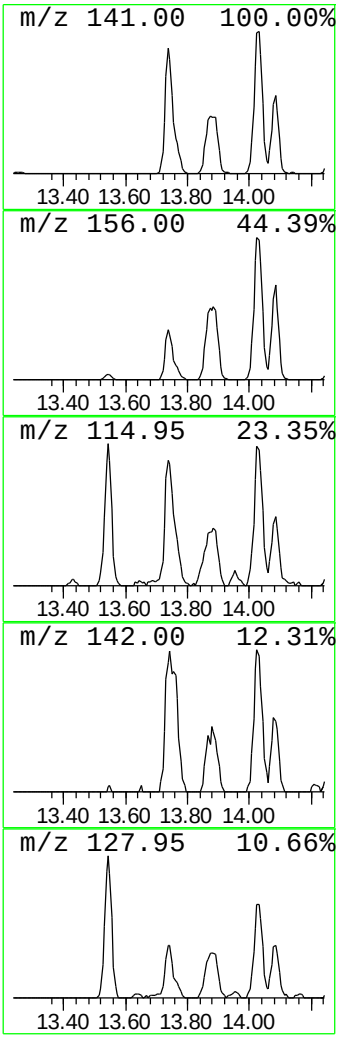
****

Peak Number 14 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	16.86 ng/ul	205504	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





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Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 15 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	19.83 ng/ul	241609	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	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, 1,7-dimethyl-	156	C12H12	000575-37-1	96
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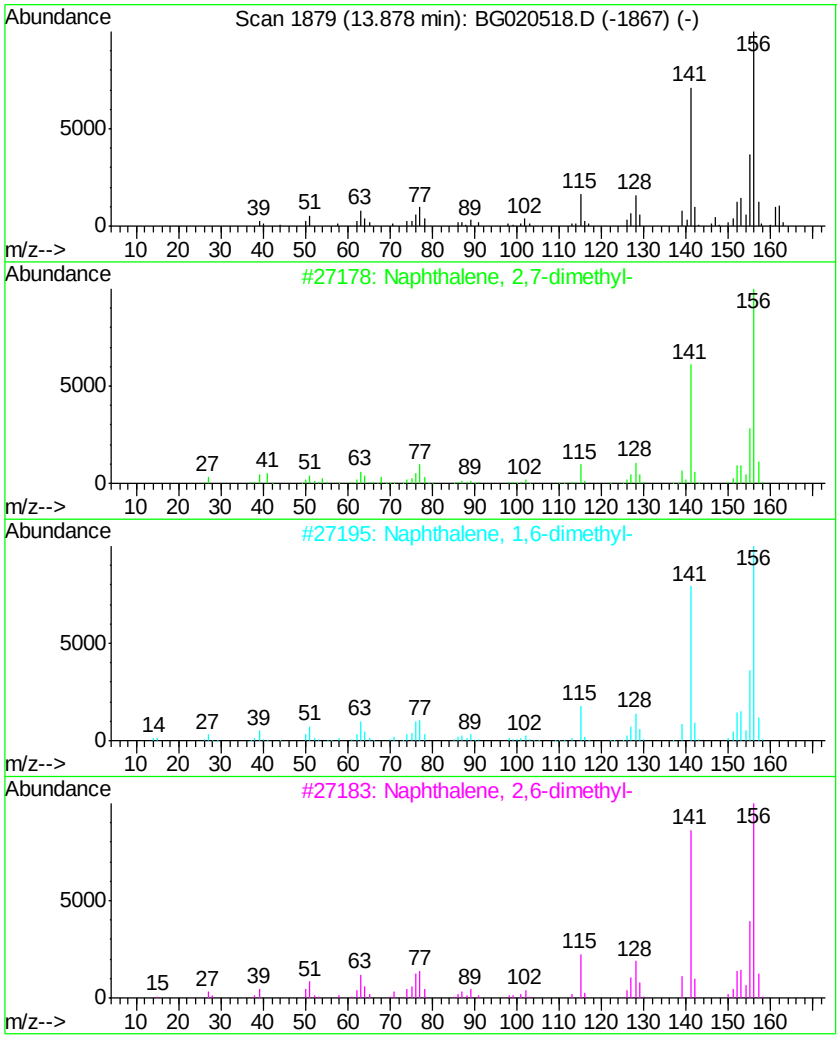

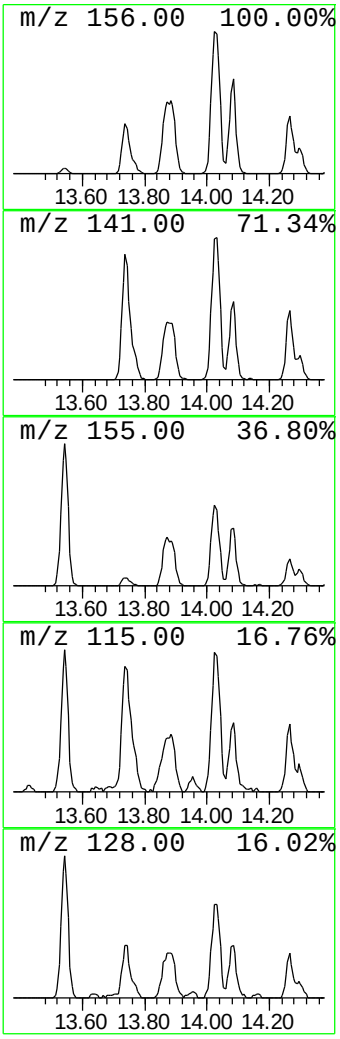

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Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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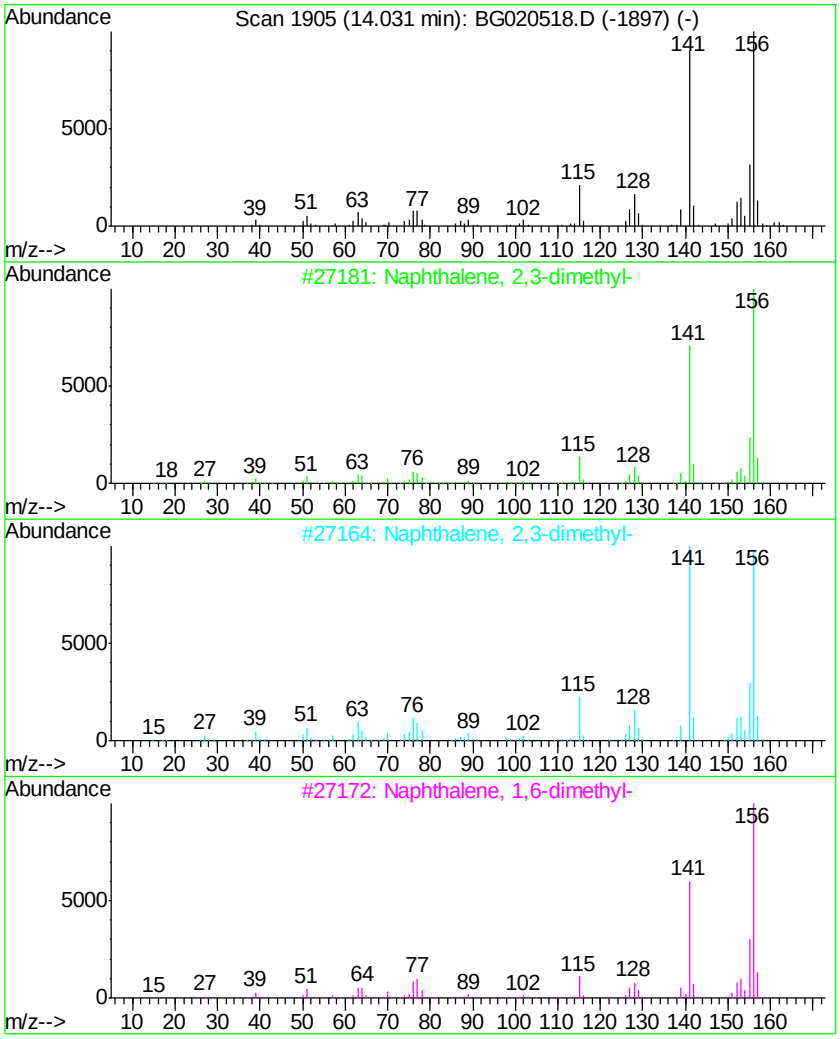
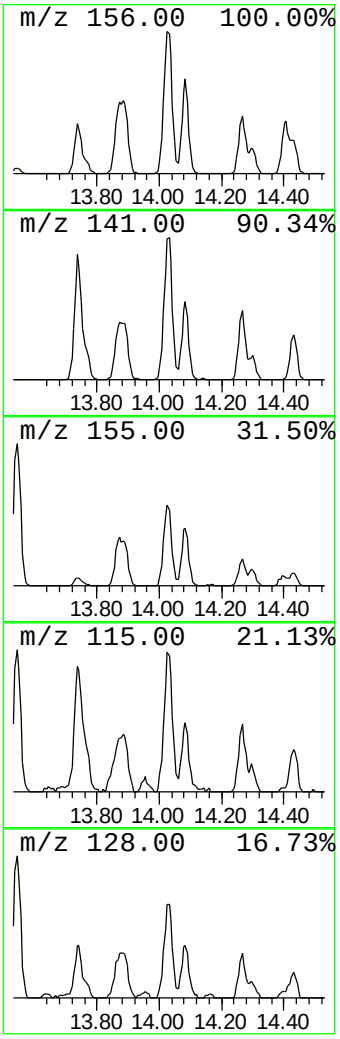
Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	27.20 ng/ul	331491	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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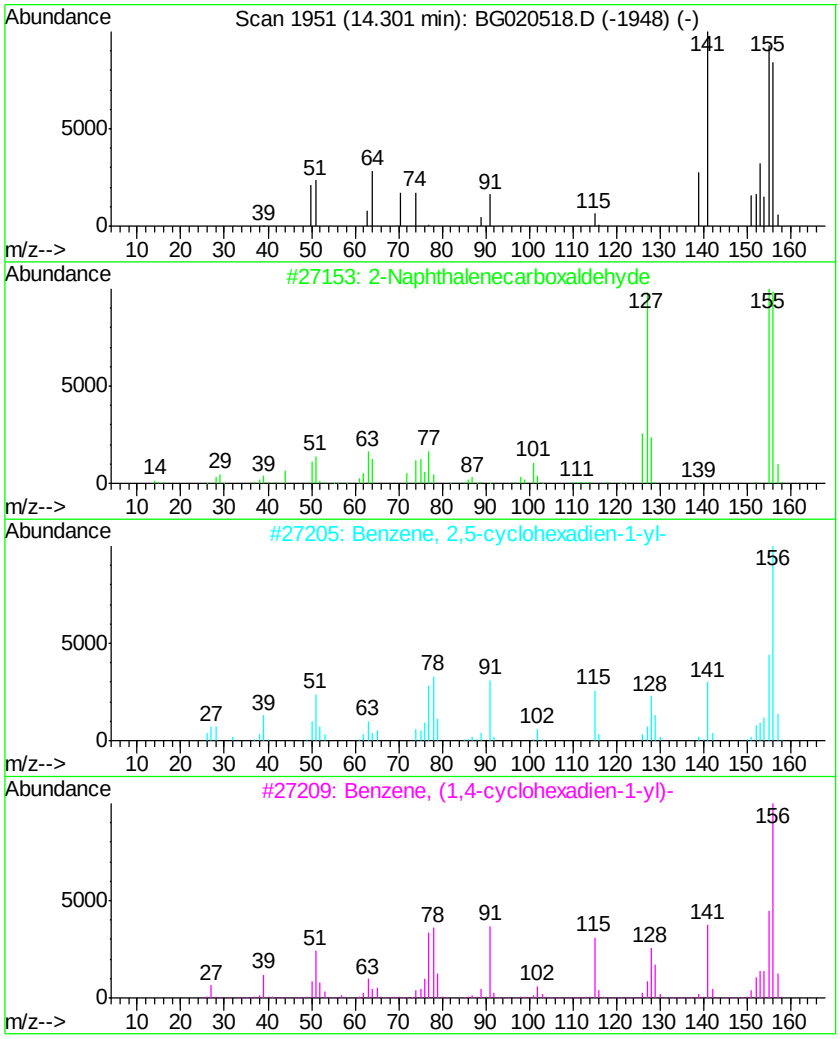
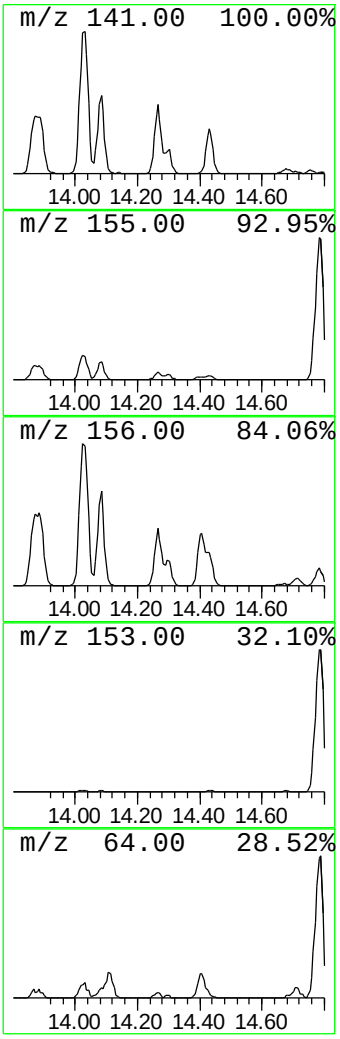
Peak Number 18 2-Naphthalenecarboxaldehyde Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	3.30 ng/ul	40276	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxaldehyde	156	C11H8O	000066-99-9	52
2	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	50
3	Benzene, (1,4-cyclohexadien-1-yl)-	156	C12H12	013703-52-1	50
4	Benzene, (1,4-cyclohexadien-1-yl)-	156	C12H12	013703-52-1	50
5	Benzaldehyde, 3-fluoro-4,5-dihyd...	156	C7H5FO3	071144-35-9	47





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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 19 1-Naphthalenecarbonitrile Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	71.10 ng/ul	866482	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
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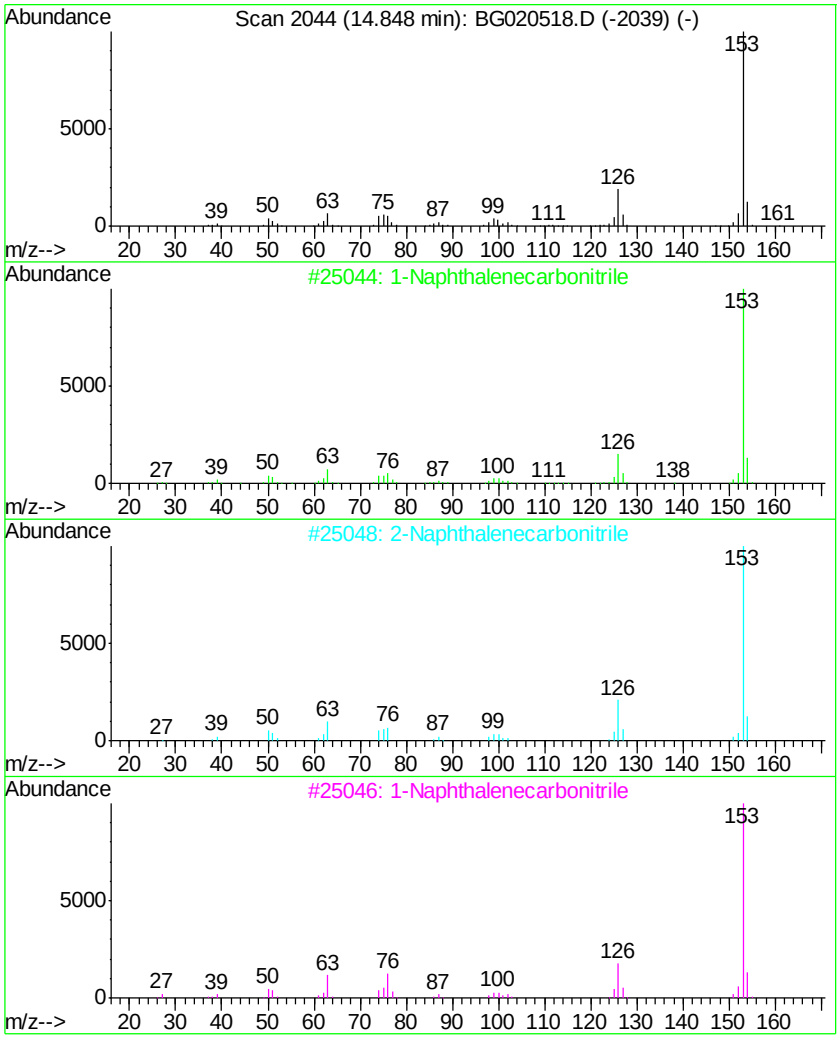

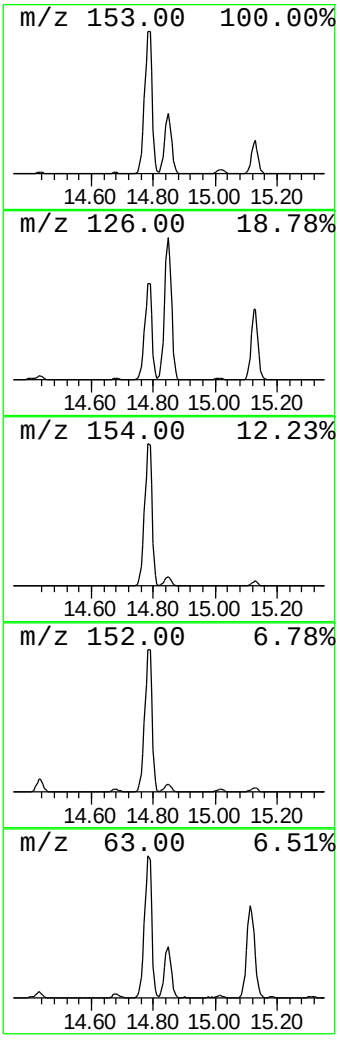

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ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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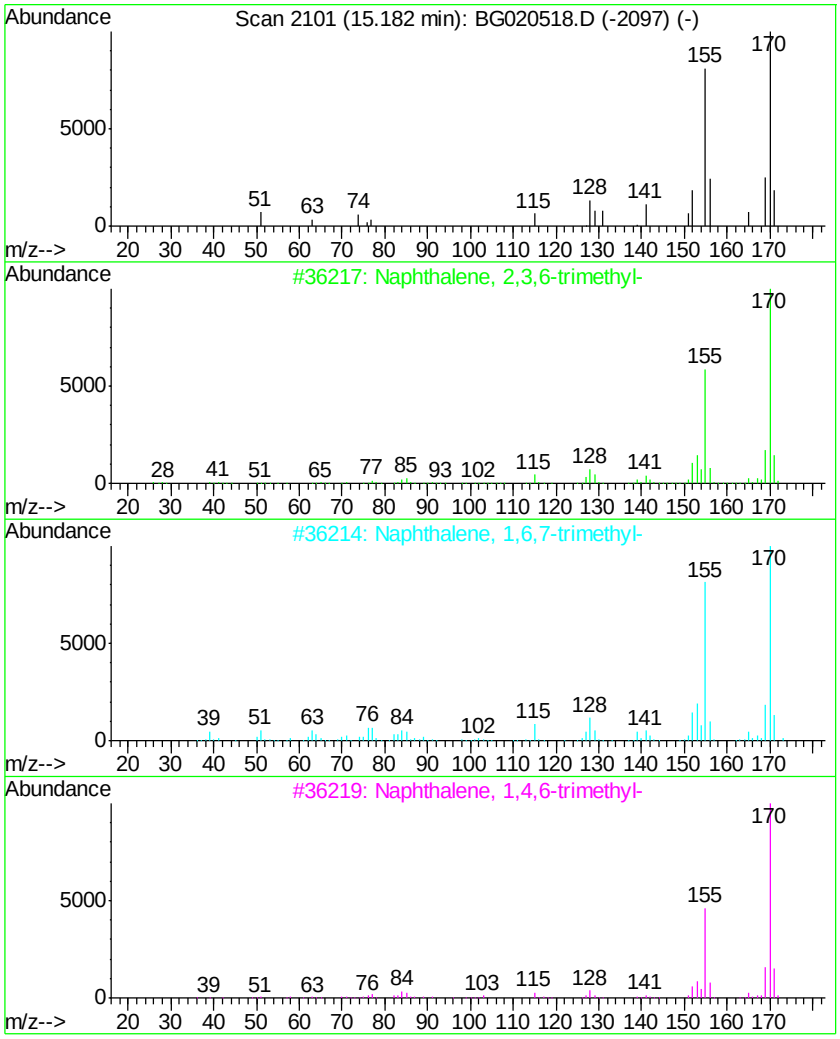
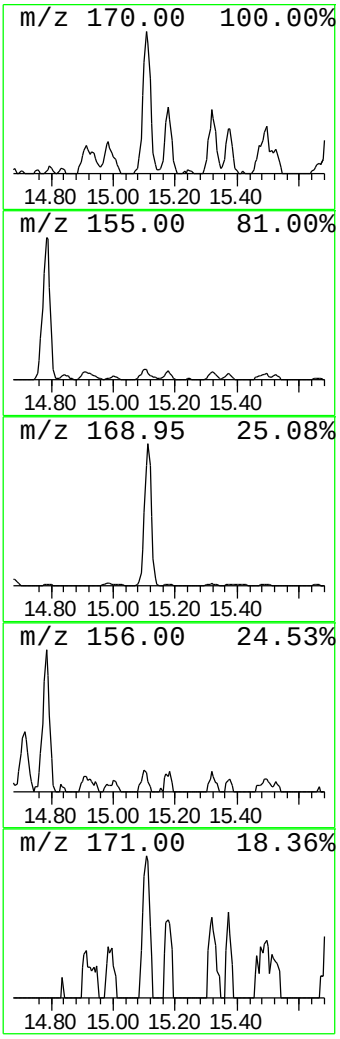
Peak Number 21 Naphthalene, 2,3,6-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	2.60 ng/ul	31666	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	87
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87





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Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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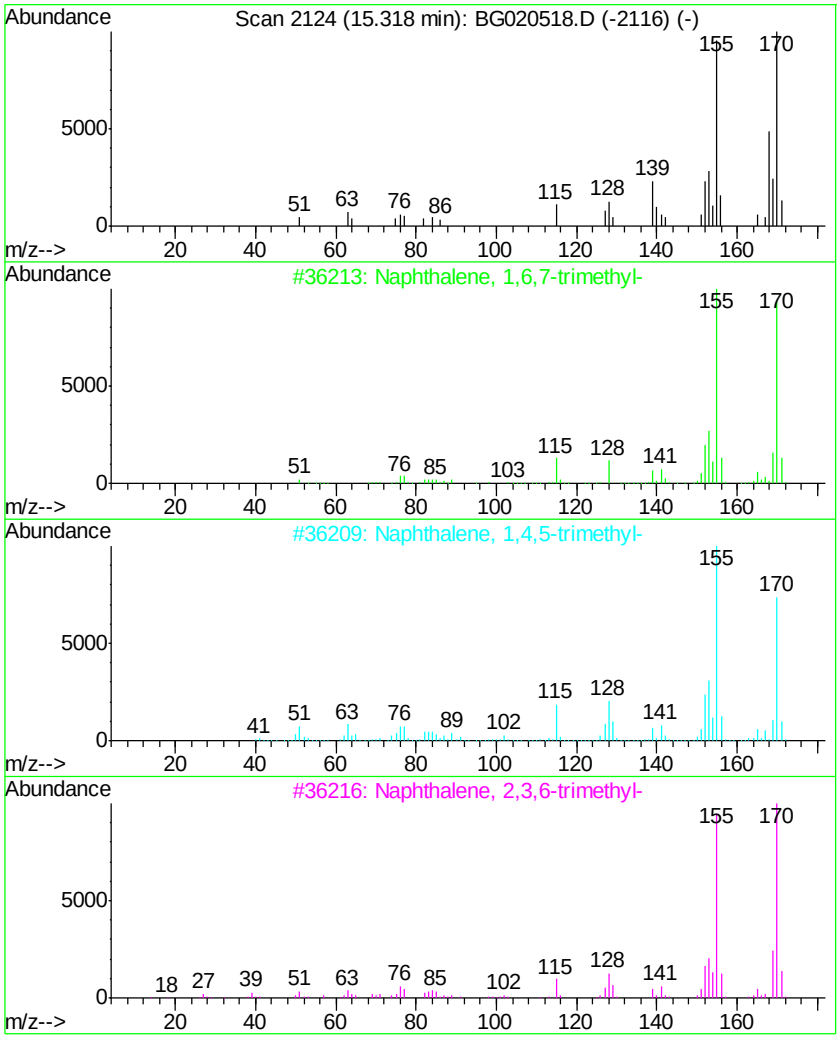
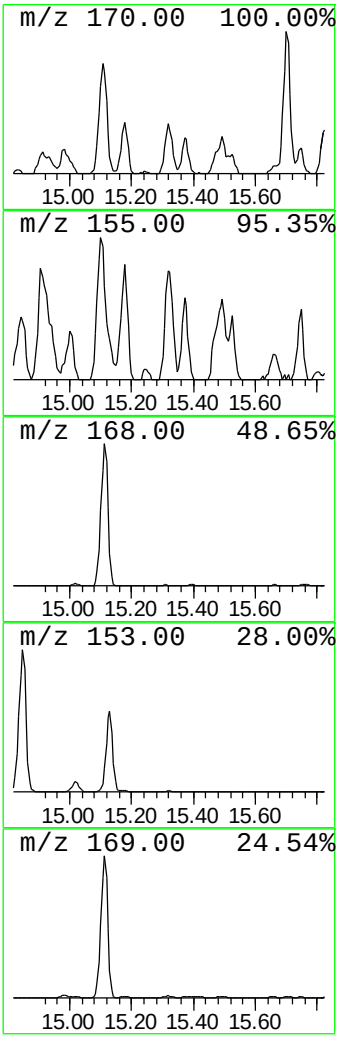
Peak Number 22 Naphthalene, 1,6,7-trimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	3.47 ng/ul	42232	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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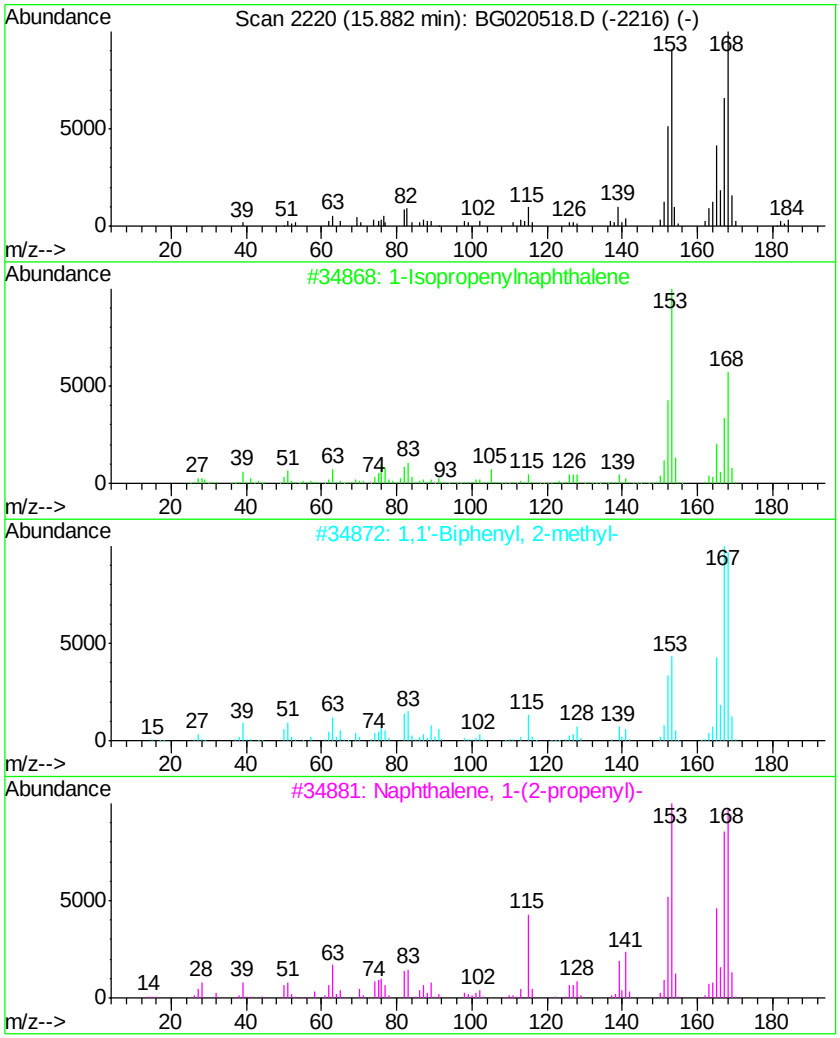
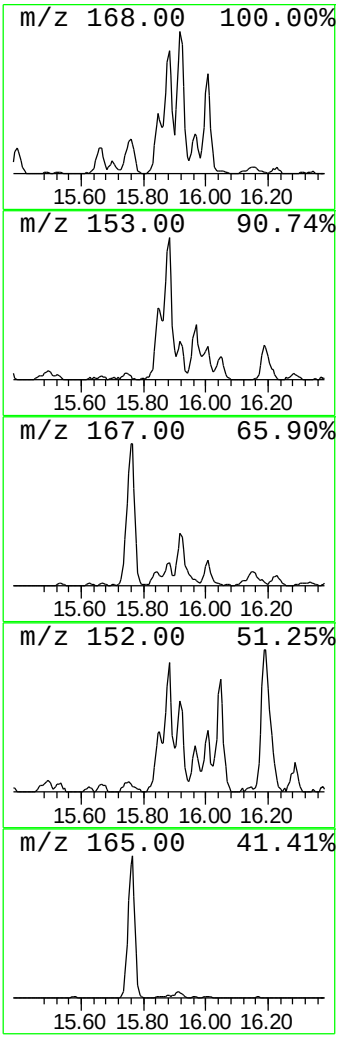
Peak Number 25 1-Isopropenylnaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	11.21 ng/ul	136570	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	59
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	52
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	50





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Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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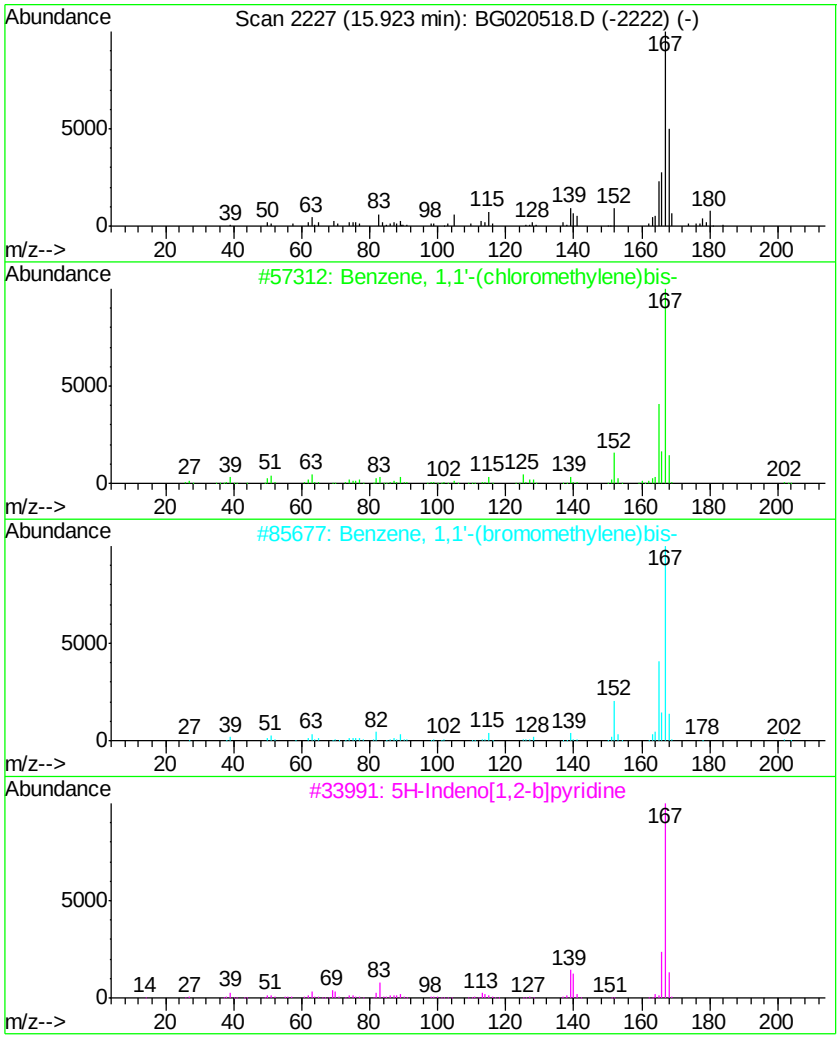
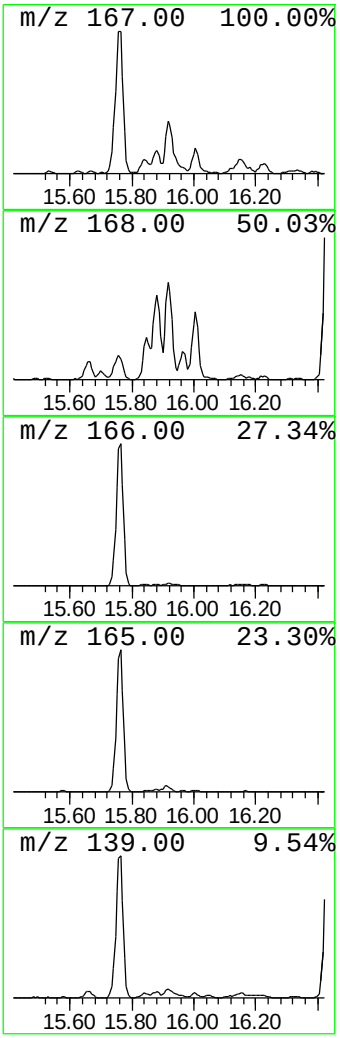
Peak Number 26 Benzene, 1,1'-(chloromethyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	16.95 ng/ul	206578	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	50
2	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	46
4	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	43
5	Carbazole	167	C12H9N	000086-74-8	43





Library Search Compound Report

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Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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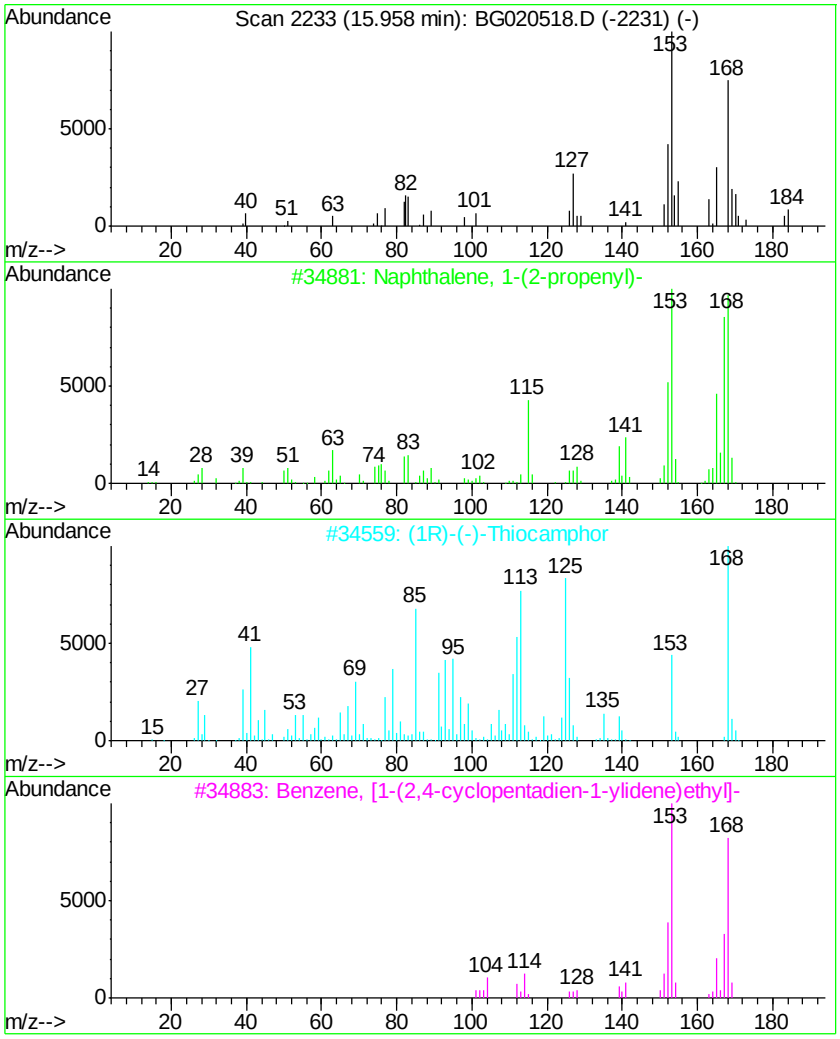
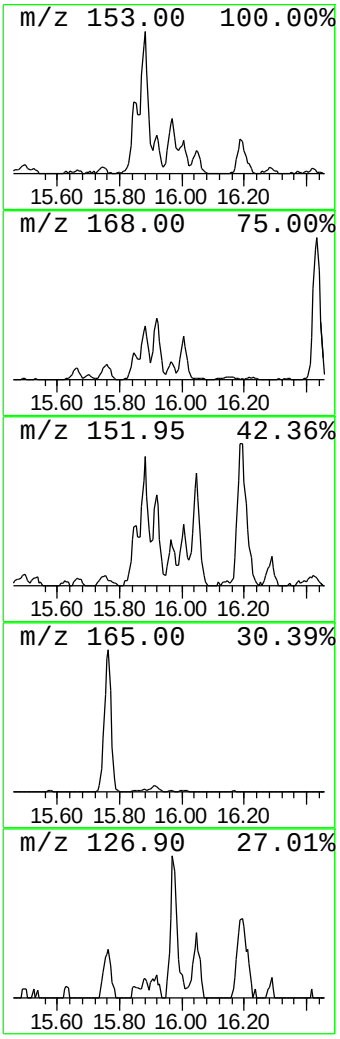
Peak Number 27 Naphthalene, 1-(2-propenyl)- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	5.29 ng/ul	64406	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
2	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	49
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	49
4	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	49
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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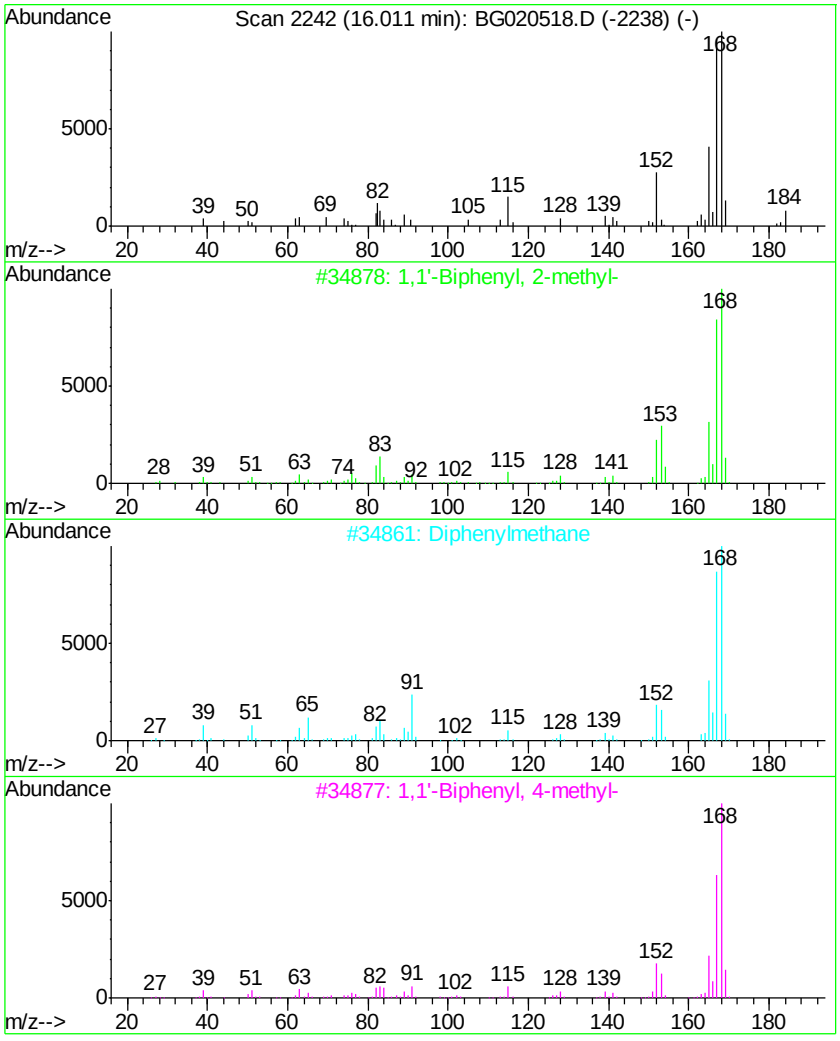
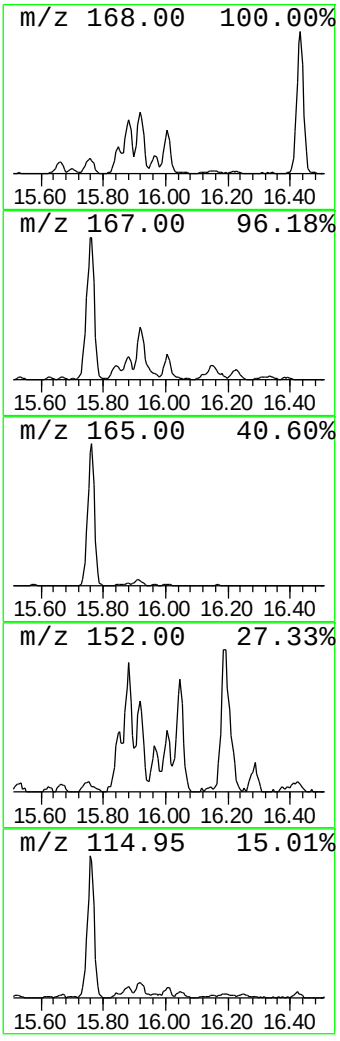
Peak Number 28 1,1'-Biphenyl, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	6.27 ng/ul	76436	Acenaphthene-d10	14.71

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	81
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	76
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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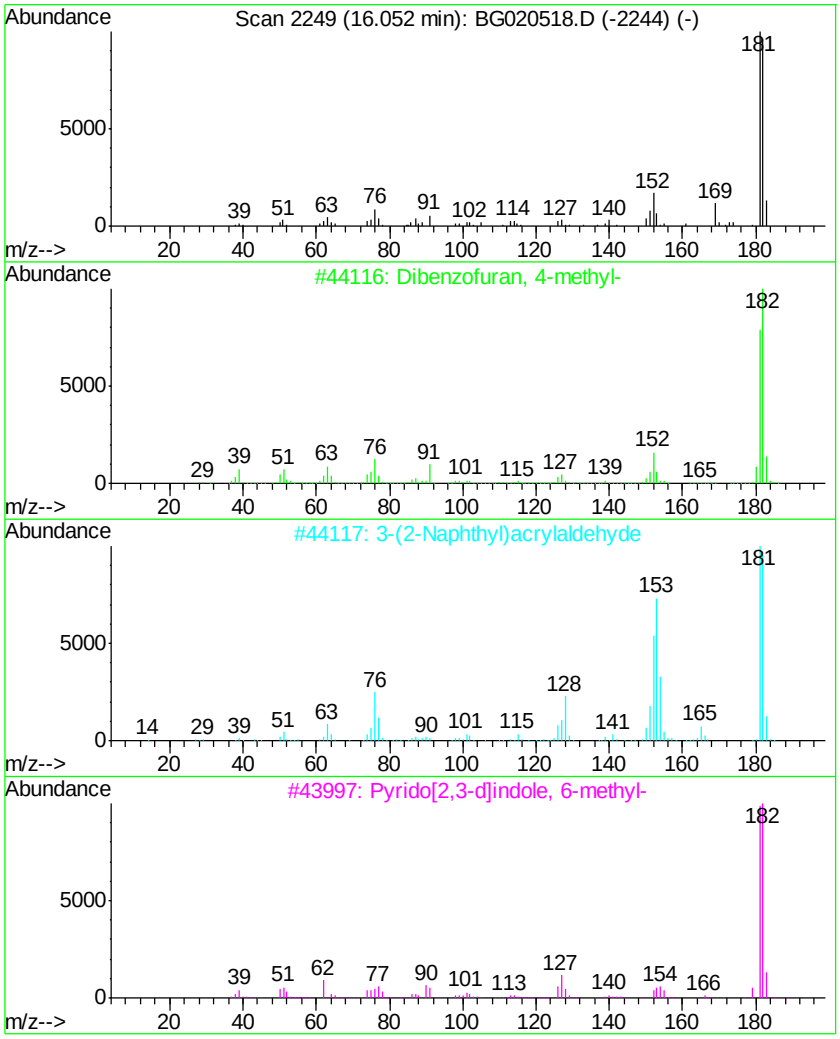
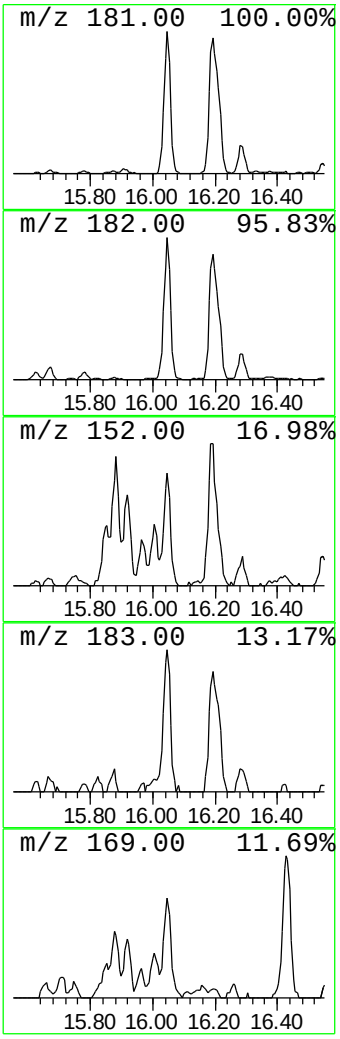
Peak Number 29 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	13.82 ng/ul	168387	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
3	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





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Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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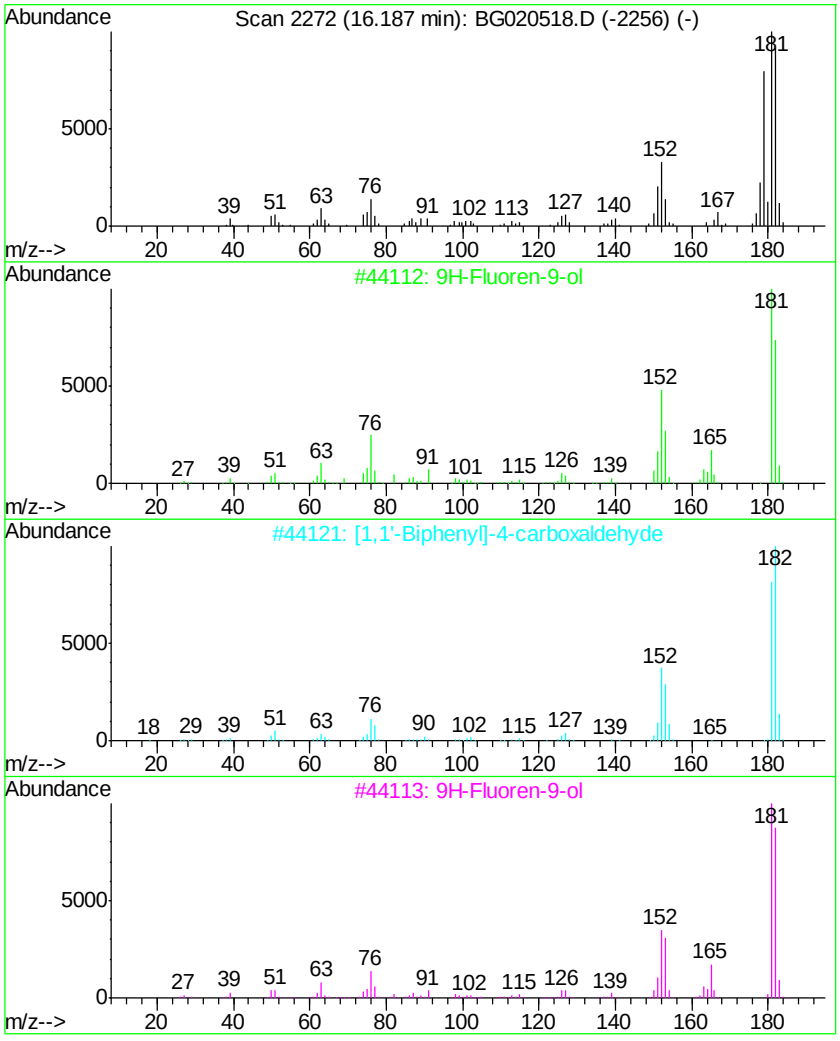
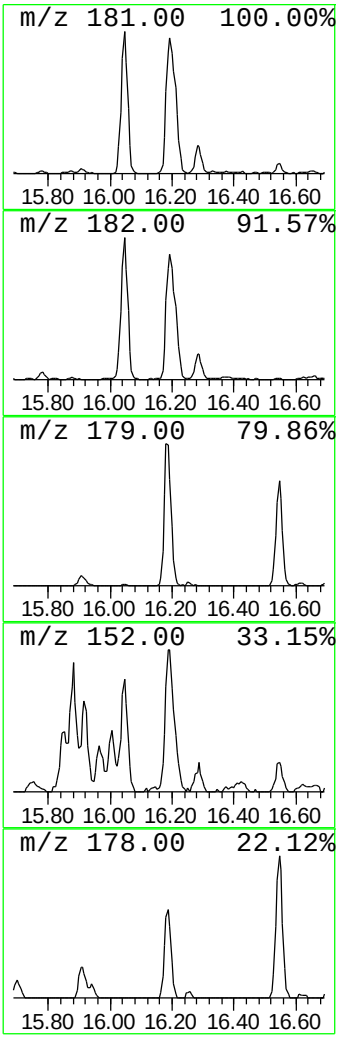
Peak Number 30 9H-Fluoren-9-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	20.14 ng/ul	358204	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	60
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	53
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	53
4	Phenanthridine	179	C13H9N	000229-87-8	46
5	Acridine	179	C13H9N	000260-94-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020518.D
Acq On : 26 Dec 2015 00:23
Operator : UM/SJ
Sample : G4847-08
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.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
Butane, 2-methoxy...	3.17	9.7	ng/ul	48557	1	8.08	100078	20.0
Benzofuran	7.80	5.8	ng/ul	29052	1	8.08	100078	20.0
Indane	8.45	14.1	ng/ul	70564	1	8.08	100078	20.0
Indene	8.61	80.7	ng/ul	403686	1	8.08	100078	20.0
Benzofuran, 7-met...	9.56	13.5	ng/ul	72333	2	10.90	106871	20.0
3-Phenylbut-1-ene	10.28	11.2	ng/ul	59850	2	10.90	106871	20.0
Benzene, 1-butynyl-	10.39	5.8	ng/ul	31004	2	10.90	106871	20.0
2-Benzothiophene #	11.07	73.0	ng/ul	390350	2	10.90	106871	20.0
Benzo[b]thiophene...	12.44	11.4	ng/ul	60934	2	10.90	106871	20.0
Naphthalene, 1-me...	12.77	282.2	ng/ul	1508030	2	10.90	106871	20.0
1-Phenyl-1-cyclop...	13.18	3.0	ng/ul	35928	3	14.71	243729	20.0
Naphthalene, 1-et...	13.74	16.9	ng/ul	205504	3	14.71	243729	20.0
Naphthalene, 2,7-...	13.88	19.8	ng/ul	241609	3	14.71	243729	20.0
Naphthalene, 2,3-...	14.03	27.2	ng/ul	331491	3	14.71	243729	20.0
2-Naphthalenecarb...	14.30	3.3	ng/ul	40276	3	14.71	243729	20.0
1-Naphthalenecarb...	14.85	71.1	ng/ul	866482	3	14.71	243729	20.0
Naphthalene, 2,3,...	15.18	2.6	ng/ul	31666	3	14.71	243729	20.0
Naphthalene, 1,6,...	15.32	3.5	ng/ul	42232	3	14.71	243729	20.0
1-Isopropenylnaph...	15.88	11.2	ng/ul	136570	3	14.71	243729	20.0
Benzene, 1,1'-(ch...	15.92	16.9	ng/ul	206578	3	14.71	243729	20.0
Naphthalene, 1-(2...	15.96	5.3	ng/ul	64406	3	14.71	243729	20.0
1,1'-Biphenyl, 2-...	16.01	6.3	ng/ul	76436	3	14.71	243729	20.0
Dibenzofuran, 4-m...	16.05	13.8	ng/ul	168387	3	14.71	243729	20.0
9H-Fluoren-9-ol	16.19	20.1	ng/ul	358204	4	17.46	355783	20.0