LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

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-BG102815.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	5.641	470	477	485	rBV	1167382	1868789	1.92%	0.611%
2	5.776	493	500	502	rBV	761226	1206284	1.24%	0.394%
3	6.158	554	565	575	rVV	1037717	1813304	1.87%	0.593%
4	7.251	743	751	756	rBV	412515	667424	0.69%	0.218%
5	7.310	756	761	768	rVB	352289	605878	0.62%	0.198%
6	7.386	768	774	785	rVB	756160	1251245	1.29%	0.409%
7	7.821	842	848	855	rVV	1747098	3032510	3.12%	0.991%
8	7.903	855	862	871	rVB	1557620	2647752	2.73%	0.866%
9	8.297	921	929	936	rVV	526268	964793	0.99%	0.315%
10	8.573	966	976	983	rBV	5968881	11222639	11.56%	3.669%
11	8.737	996	1004	1011	rVB	5461888	10232363	10.54%	3.345%
12	8.820	1011	1018	1024	rBV2	262329	426986	0.44%	0.140%
13	9.296	1088	1099	1104	rBV2	293592	541509	0.56%	0.177%
14	9.372	1104	1112	1119	rVV2	522590	1203397	1.24%	0.393%
15	9.554	1134	1143	1149	rBV	614322	1094940	1.13%	0.358%
16	9.677	1149	1164	1170	rBV	1419809	3167491	3.26%	1.035%
17	9.736	1170	1174	1182	rVV	347585	592775	0.61%	0.194%
18	10.089	1222	1234	1244	rBV4	179434	427638	0.44%	0.140%
19	10.247	1255	1261	1269	rVB	621982	1090841	1.12%	0.357%
20	10.400	1279	1287	1299	rBV3	1171603	3230110	3.33%	1.056%
21	10.506	1299	1305	1310	rBV	570511	1150594	1.19%	0.376%
22	10.641	1319	1328	1337	rBV2	256700	590243	0.61%	0.193%
23	11.164	1385	1417	1421	rBV	20923056	97088809	100.00%	31.738%
24	11.234	1421	1429	1437	rVV	5641000	10039345	10.34%	3.282%
25	11.428	1456	1462	1468	rVV2	262069	529957	0.55%	0.173%
26	12.116	1574	1579	1588	rVV2	340602	697856	0.72%	0.228%
27	12.386	1619	1625	1631	rVB2	285651	503501	0.52%	0.165%
28	12.551	1648	1653	1662	rVB	439369	792151	0.82%	0.259%
29	12.662	1662	1672	1677	rBV	2838988	4745351	4.89%	1.551%
30	12.774	1685	1691	1697	rVB	305189	522595	0.54%	0.171%
31	12.891	1697	1711	1717	rVB	6416439	12385983	12.76%	4.049%
32	13.567	1815	1826	1832	rBV5	149310	451907	0.47%	0.148%
33	13.649	1832	1840	1849	rVB	2418511	3923139	4.04%	1.282%
34	13.843	1868	1873	1884	rVB	509886	1050808	1.08%	0.344%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

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-BG102815.M
Title : SVOA CALIBRATION

35	13.972	1884	1895	1897	rBV2	782854	1513196	1.56%	0.495%
36	14.131	1916	1922	1928	rBV	1296349	2403257	2.48%	0.786%
37	14.190	1928	1932	1934	rBV	604548	929194	0.96%	0.304%
38	14.366	1956	1962	1966	rBV	513292	869442	0.90%	0.284%
39	14.507	1978	1986	1989	rBV	669751	1336604	1.38%	0.437%
40	14.783	2028	2033	2035	rVV	431029	708630	0.73%	0.232%
41	14.813	2035	2038	2043	rVV4	489241	796026	0.82%	0.260%
42	14.889	2043	2051	2056	rVV	6873370	11884983	12.24%	3.885%
43	14.942	2056	2060	2064	rVV	583045	923311	0.95%	0.302%
44	14.995	2064	2069	2079	rVB	1481175	2428465	2.50%	0.794%
45	15.089	2079	2085	2094	rBV3	796078	1678120	1.73%	0.549%
46	15.218	2100	2107	2113	rVV	4847567	8138387	8.38%	2.660%
47	15.336	2113	2127	2132	rVB	667518	2038231	2.10%	0.666%
48	15.800	2201	2206	2210	rVV	768307	1136598	1.17%	0.372%
49	15.864	2210	2217	2222	rVB	4115738	6613261	6.81%	2.162%
50	15.917	2222	2226	2229	rBV2	283642	416423	0.43%	0.136%
51	15.982	2229	2237	2246	rVV4	1265030	3228152	3.32%	1.055%
52	16.070	2246	2252	2261	rVV6	524897	1502067	1.55%	0.491%
53	16.540	2325	2332	2342	rVB3	1236026	2468638	2.54%	0.807%
54	16.657	2342	2352	2358	rBV2	453263	1148175	1.18%	0.375%
55	16.728	2359	2364	2368	rVV	593753	860380	0.89%	0.281%
56	16.804	2369	2377	2380	rVV2	978610	1803818	1.86%	0.590%
57	16.840	2381	2383	2389	rVB2	660631	999611	1.03%	0.327%
58	16.904	2389	2394	2400	rVB	442194	783142	0.81%	0.256%
59	17.028	2407	2415	2418	rBV4	199426	537207	0.55%	0.176%
60	17.122	2426	2431	2439	rBV3	234411	488240	0.50%	0.160%
61	17.269	2450	2456	2461	rBV3	250035	480434	0.49%	0.157%
62	17.333	2461	2467	2471	rBV	826081	1272118	1.31%	0.416%
63	17.368	2471	2473	2480	rVB	381867	512721	0.53%	0.168%
64	17.468	2480	2490	2493	rBV3	1248048	2896475	2.98%	0.947%
65	17.556	2498	2505	2507	rVV2	602712	1266778	1.30%	0.414%
66	17.603	2507	2513	2518	rVV	5096358	8214582	8.46%	2.685%
67	17.656	2518	2522	2525	rVV	887475	1555429	1.60%	0.508%
68	17.686	2525	2527	2531	rVV	599554	762670	0.79%	0.249%
69	17.756	2535	2539	2544	rVB2	259943	458296	0.47%	0.150%
70	17.921	2562	2567	2569	rBV	817487	1184684	1.22%	0.387%
71	17.974	2569	2576	2580	rVV	5042058	9132374	9.41%	2.985%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

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-BG102815.M
Title : SVOA CALIBRATION

72	18.050	2580	2589	2595	rVV4	1187777	2639841	2.72%	0.863%
73	18.115	2595	2600	2606	rVB	1790831	2824993	2.91%	0.923%
74	18.191	2607	2613	2619	rBV2	513761	1225257	1.26%	0.401%
75	18.244	2619	2622	2626	rVB2	329222	432294	0.45%	0.141%
76	18.303	2626	2632	2636	rBV4	296554	544867	0.56%	0.178%
77	18.391	2638	2647	2651	rBV2	774922	1305079	1.34%	0.427%
78	18.473	2656	2661	2668	rVB2	1684639	2945898	3.03%	0.963%
79	18.544	2668	2673	2679	rBV	1175843	1729914	1.78%	0.566%
80	18.620	2679	2686	2691	rBV3	374174	668665	0.69%	0.219%
81	18.702	2693	2700	2701	rBV	620380	970958	1.00%	0.317%
82	18.802	2713	2717	2719	rVV	314141	496975	0.51%	0.162%
83	18.861	2723	2727	2731	rVV2	681286	1089123	1.12%	0.356%
84	18.908	2731	2735	2740	rVB	482705	749848	0.77%	0.245%
85	19.125	2768	2772	2776	rVV	306126	496065	0.51%	0.162%
86	19.272	2794	2797	2803	rVV2	248027	416292	0.43%	0.136%
87	19.337	2804	2808	2815	rVB5	304991	534794	0.55%	0.175%
88	19.595	2845	2852	2857	rVV	453800	788456	0.81%	0.258%
89	19.924	2902	2908	2911	rVV2	1245132	2083480	2.15%	0.681%
90	19.960	2911	2914	2923	rVB2	665005	1122938	1.16%	0.367%
91	20.330	2971	2977	2980	rBV	323191	495841	0.51%	0.162%
92	20.388	2980	2987	2989	rVV	1386207	2390504	2.46%	0.781%
93	20.435	2989	2995	3002	rVB	2218357	5202804	5.36%	1.701%
94	20.935	3076	3080	3088	rVB	316133	582006	0.60%	0.190%
95	21.023	3089	3095	3100	rBV2	590620	1317563	1.36%	0.431%
96	21.070	3100	3103	3114	rVB	550771	864244	0.89%	0.283%
97	21.828	3225	3232	3238	rBV2	747569	1298980	1.34%	0.425%
98	22.492	3337	3345	3352	rBV	356588	699974	0.72%	0.229%
99	24.954	3751	3764	3775	rBV	617671	1711295	1.76%	0.559%
100	25.183	3792	3803	3813	rVB	390306	1146686	1.18%	0.375%

Sum of corrected areas: 305906660

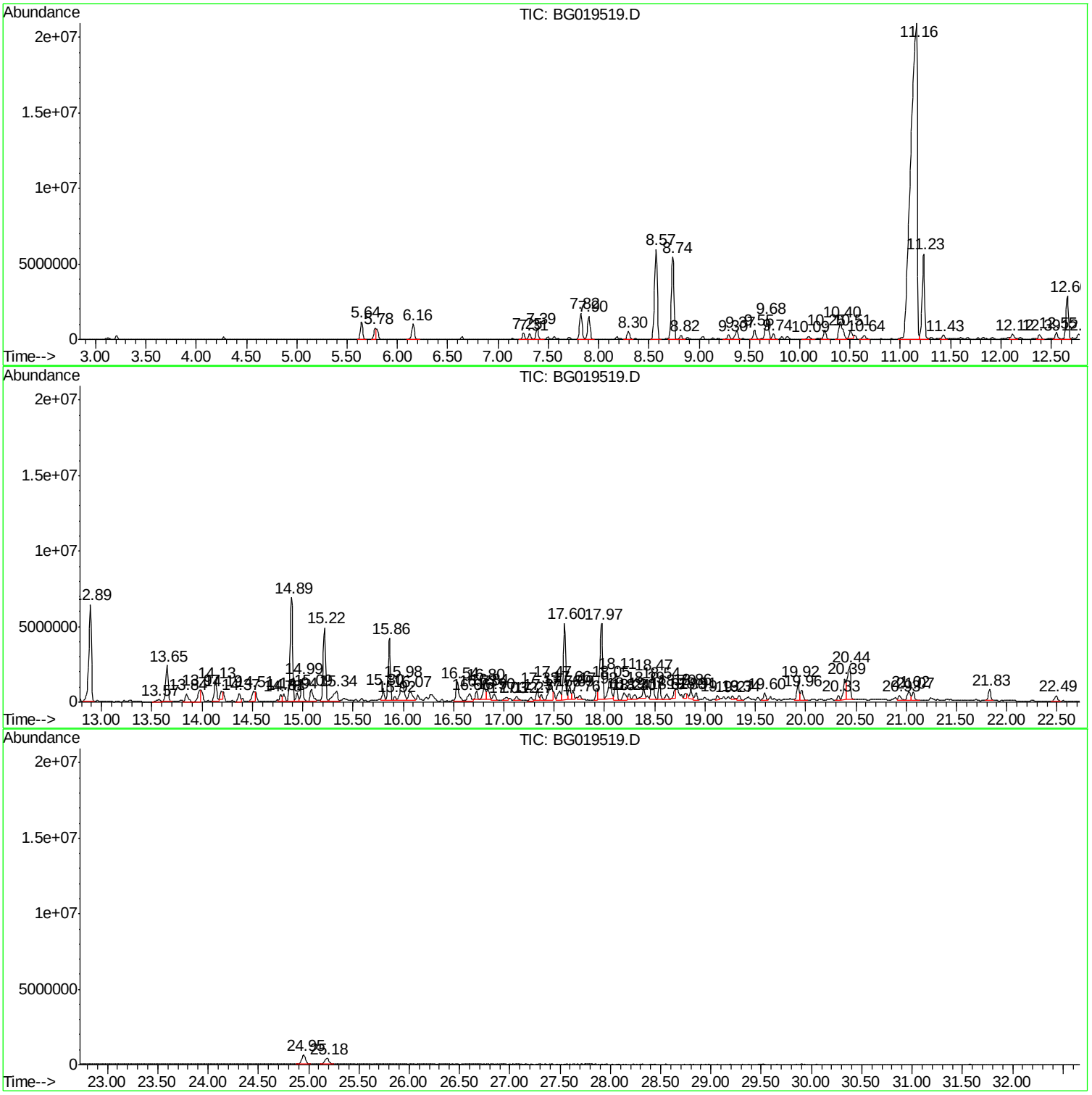
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
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Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

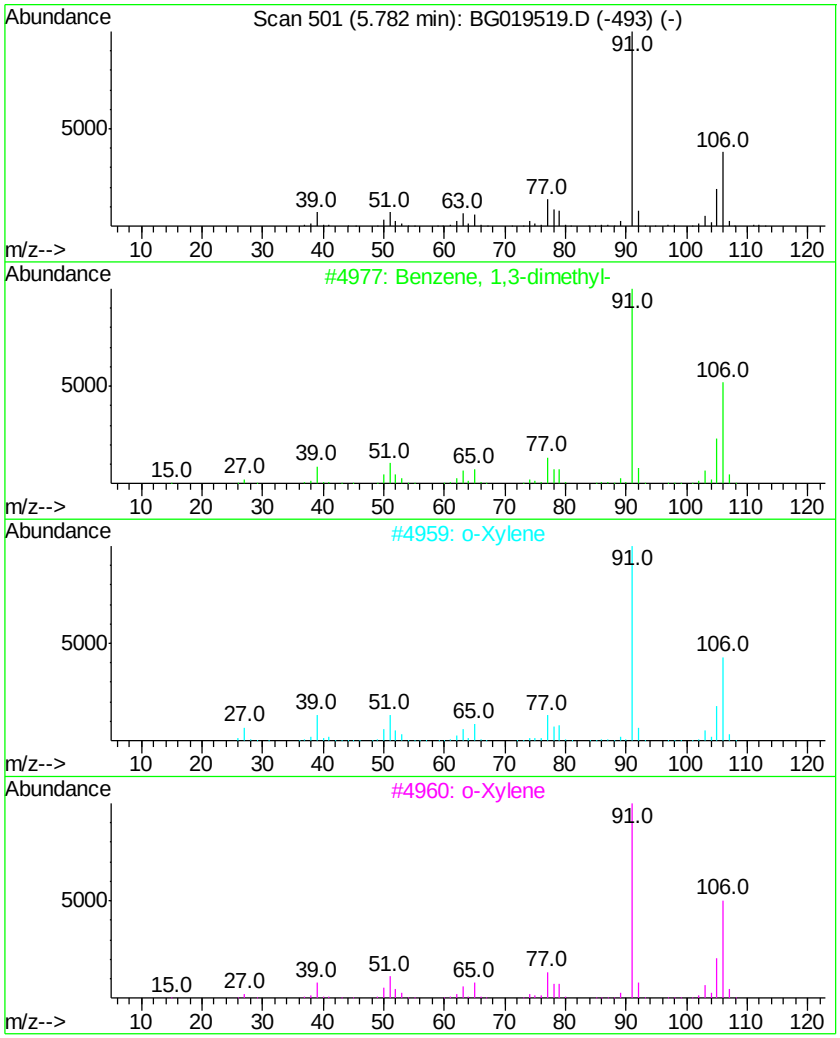
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

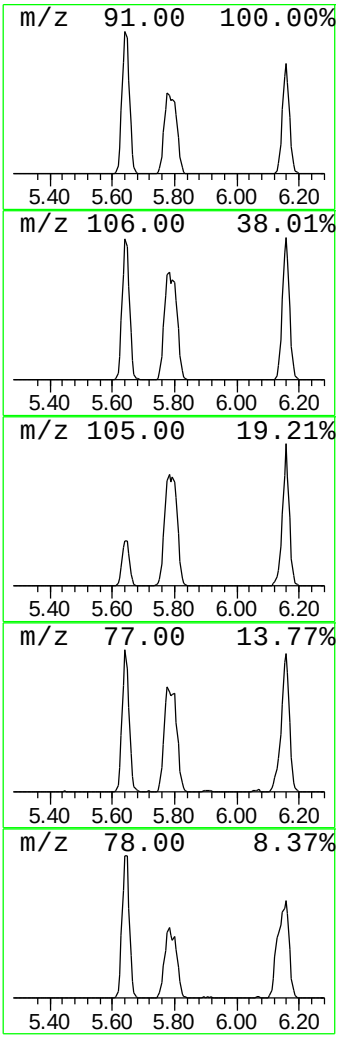
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	25.01 ng/ul	1206280	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94
2	o-Xylene	106	C8H10	000095-47-6	94
3	o-Xylene	106	C8H10	000095-47-6	93
4	p-Xylene	106	C8H10	000106-42-3	91
5	p-Xylene	106	C8H10	000106-42-3	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

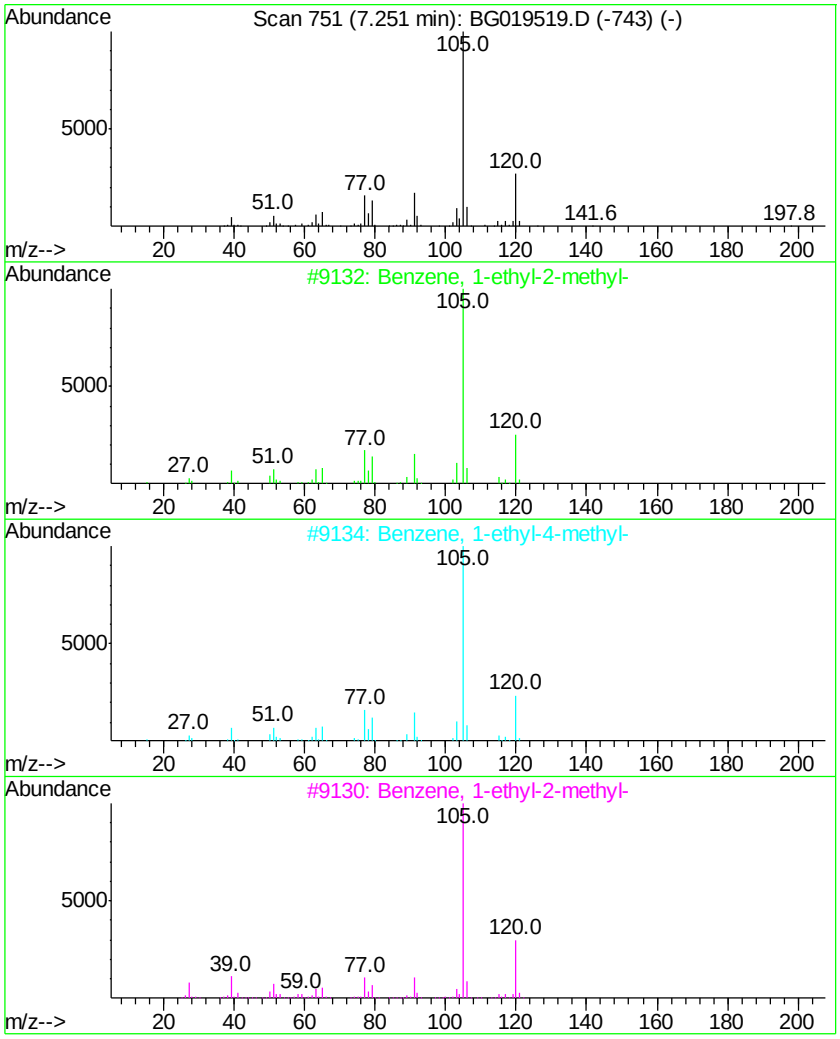
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

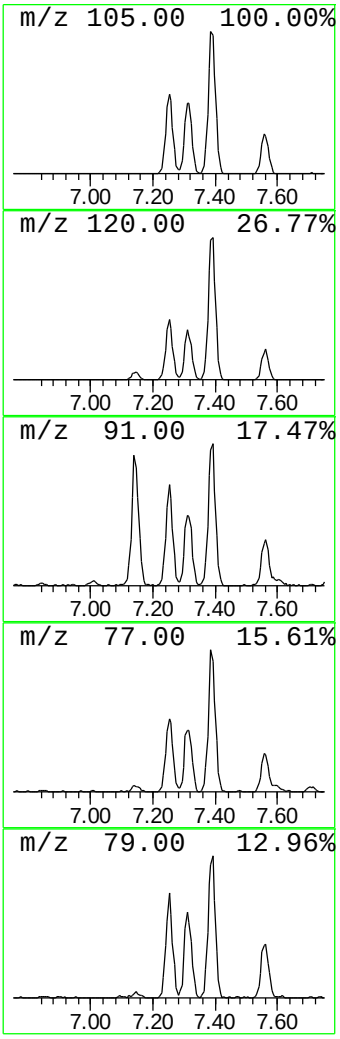
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	13.84 ng/ul	667424	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

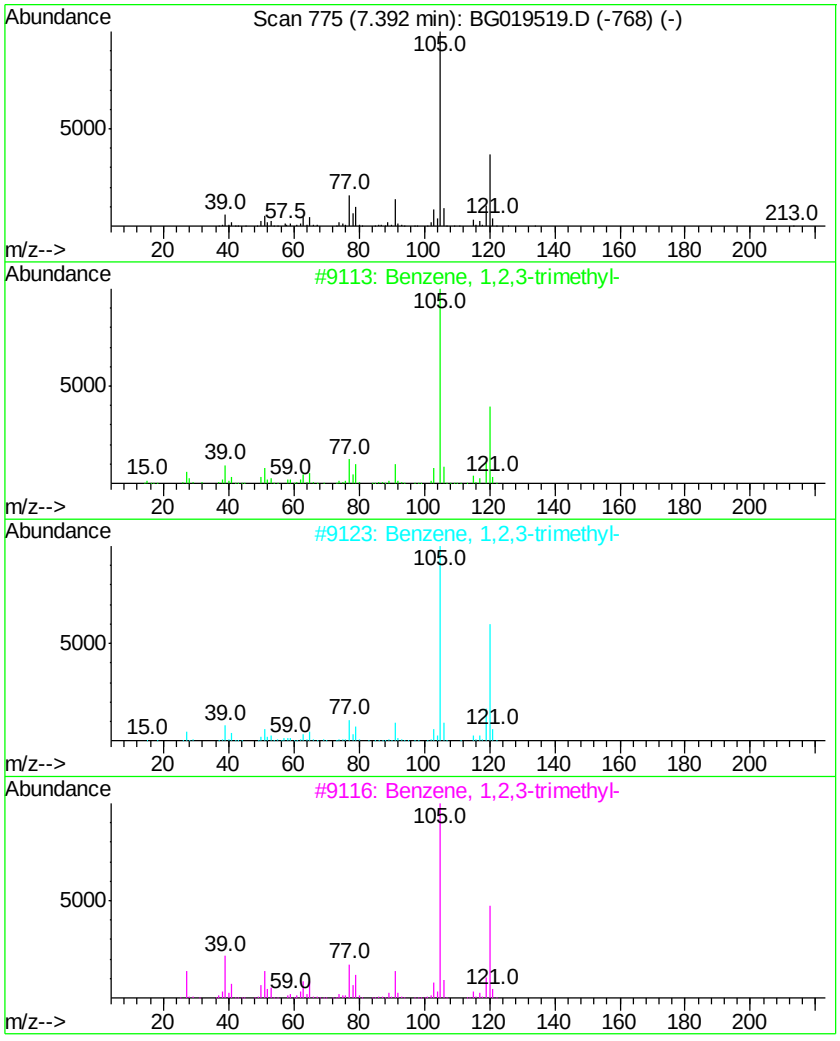
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

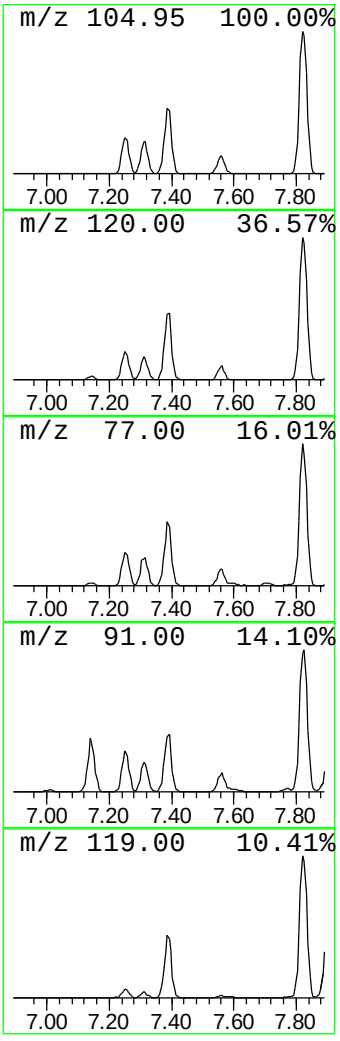
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	25.94 ng/ul	1251250	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

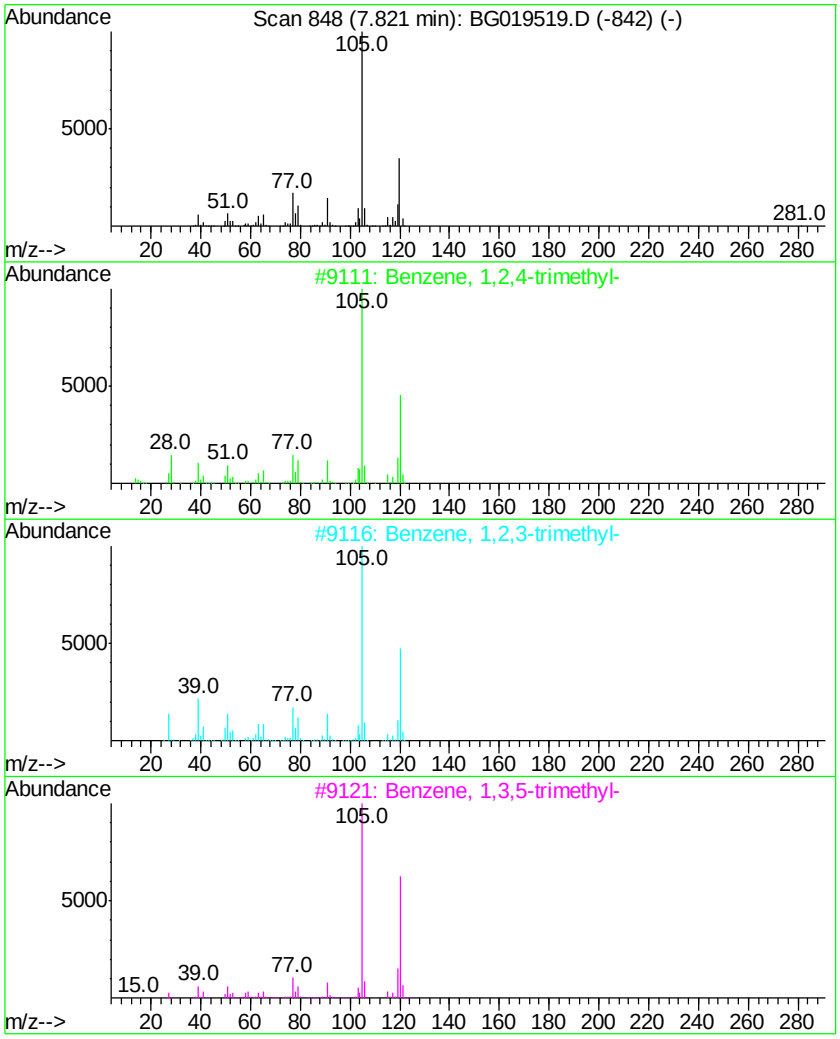
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

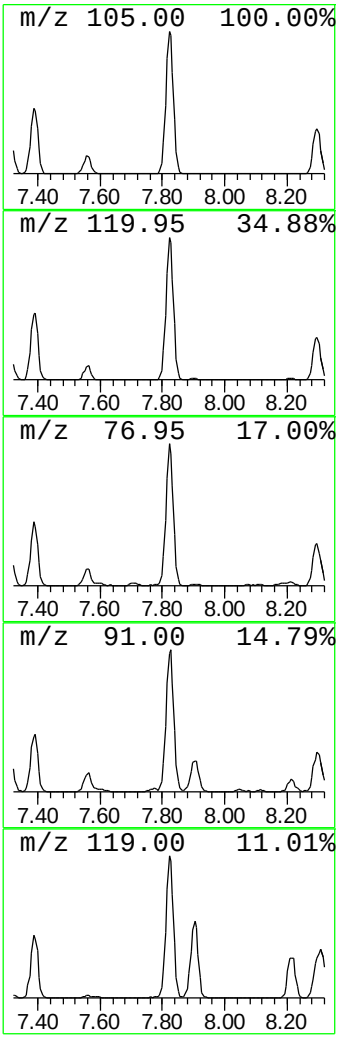
****

Peak Number 6 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	62.86 ng/ul	3032510	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

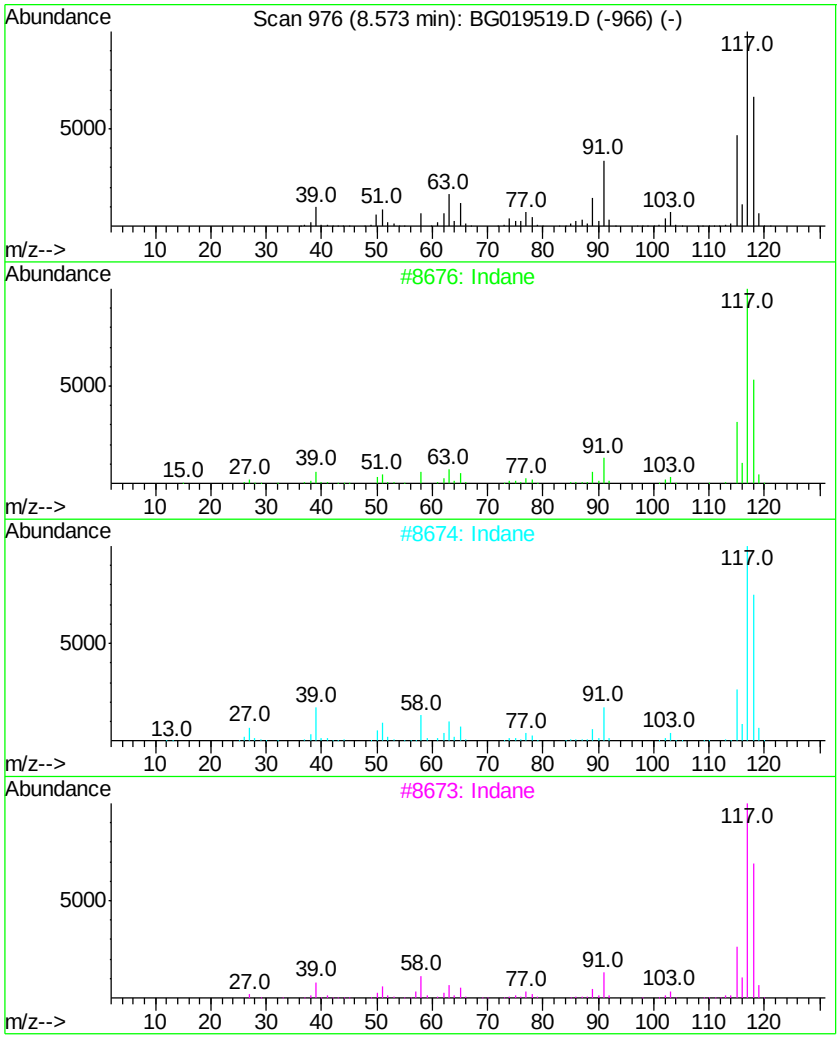
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

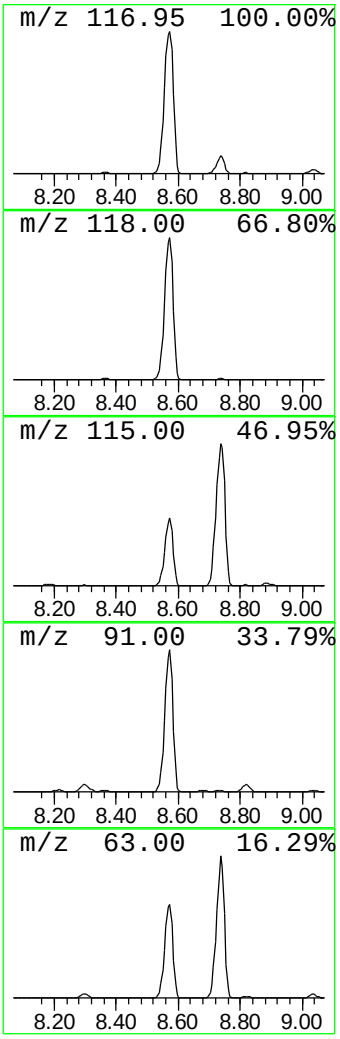
****

Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	232.64 ng/ul	11222600	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Indane	118	C9H10	000496-11-7	89
3	Indane	118	C9H10	000496-11-7	81
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76





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Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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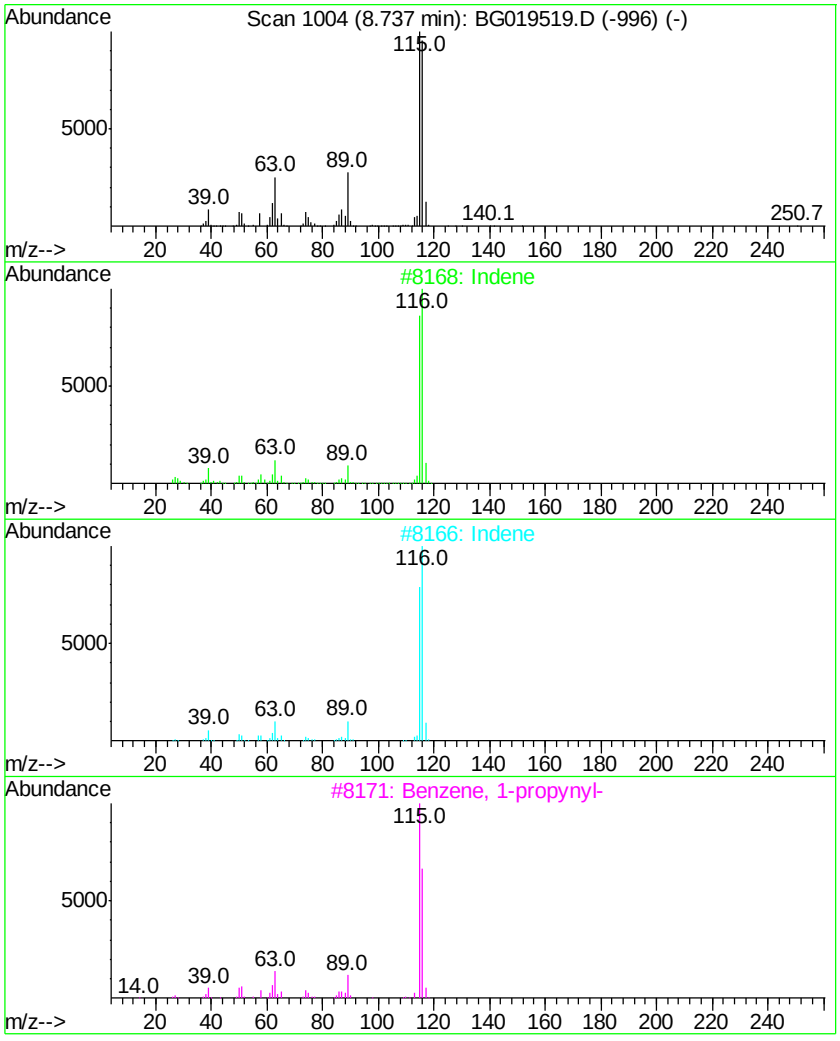
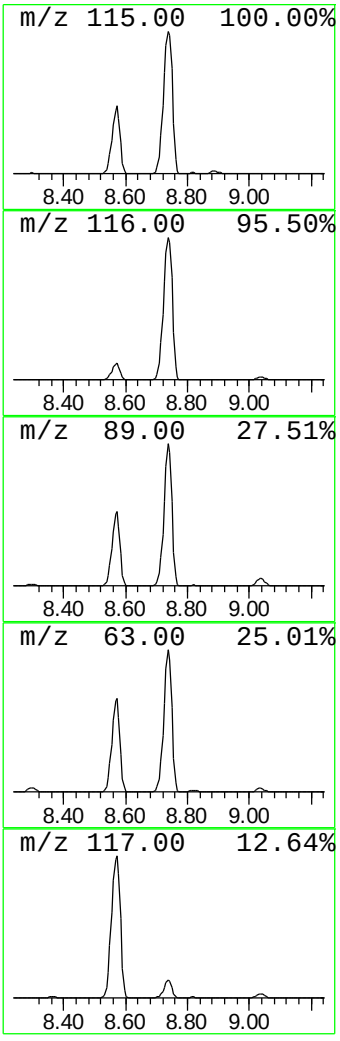
Peak Number 10 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	212.12 ng/ul	10232400	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	96
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





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Misc :
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Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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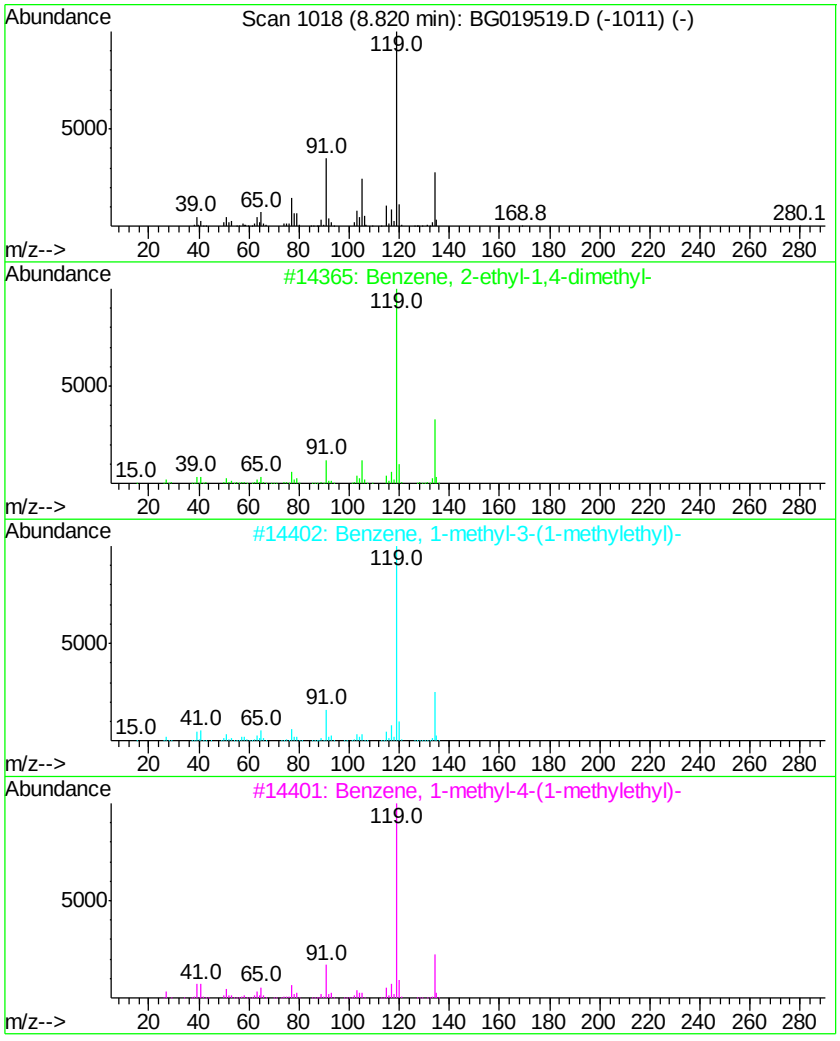
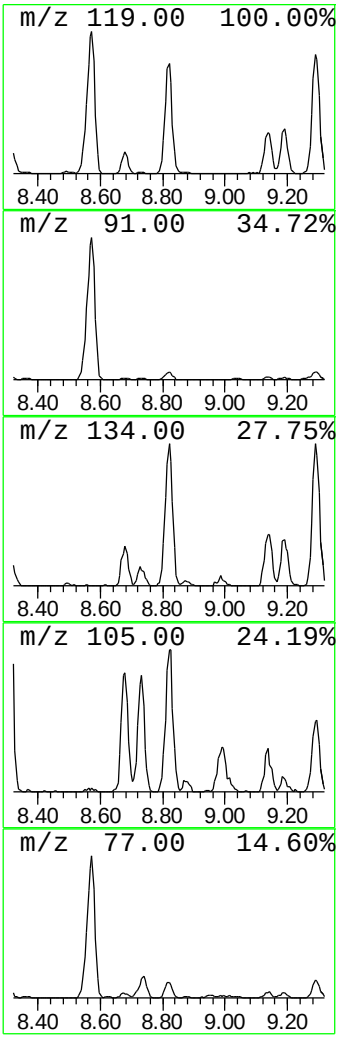
Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	8.85 ng/ul	426986	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94





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Operator : UM/NP
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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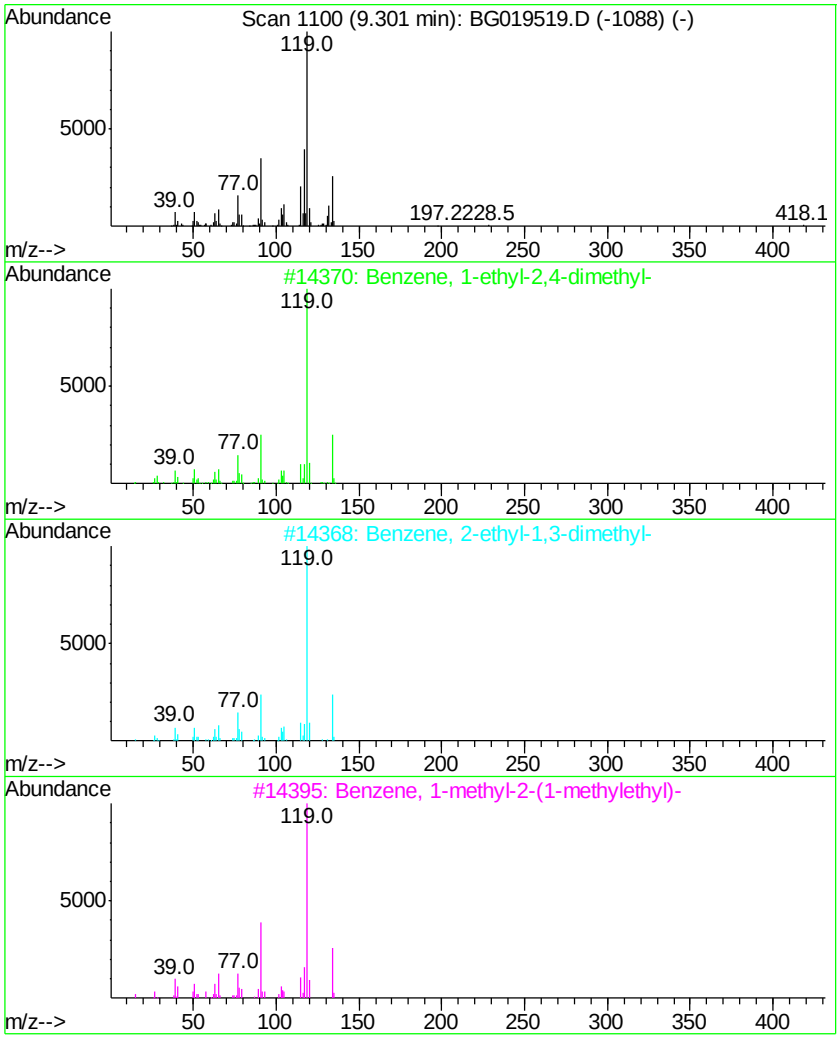
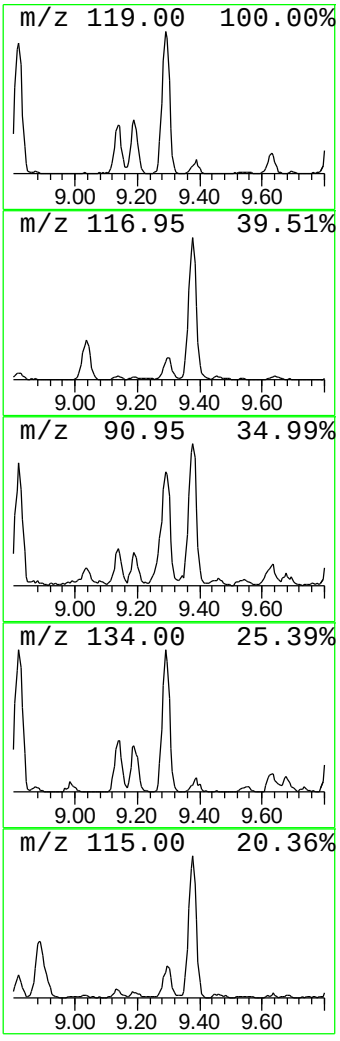
Peak Number 12 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	11.23 ng/ul	541509	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	81
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81





Library Search Compound Report

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Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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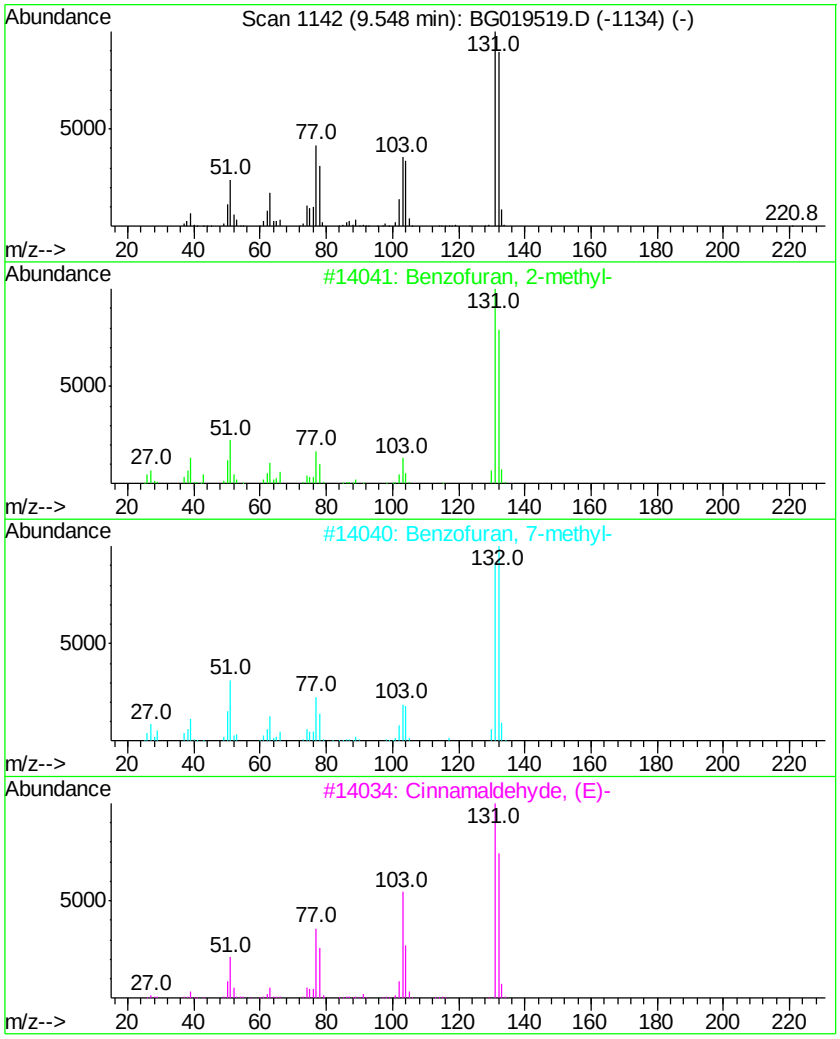
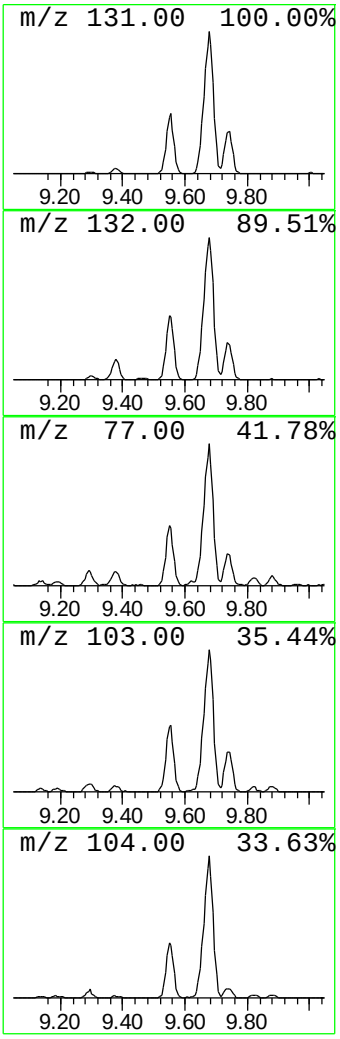
Peak Number 13 Benzofuran, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	22.70 ng/ul	1094940	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91





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Operator : UM/NP
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Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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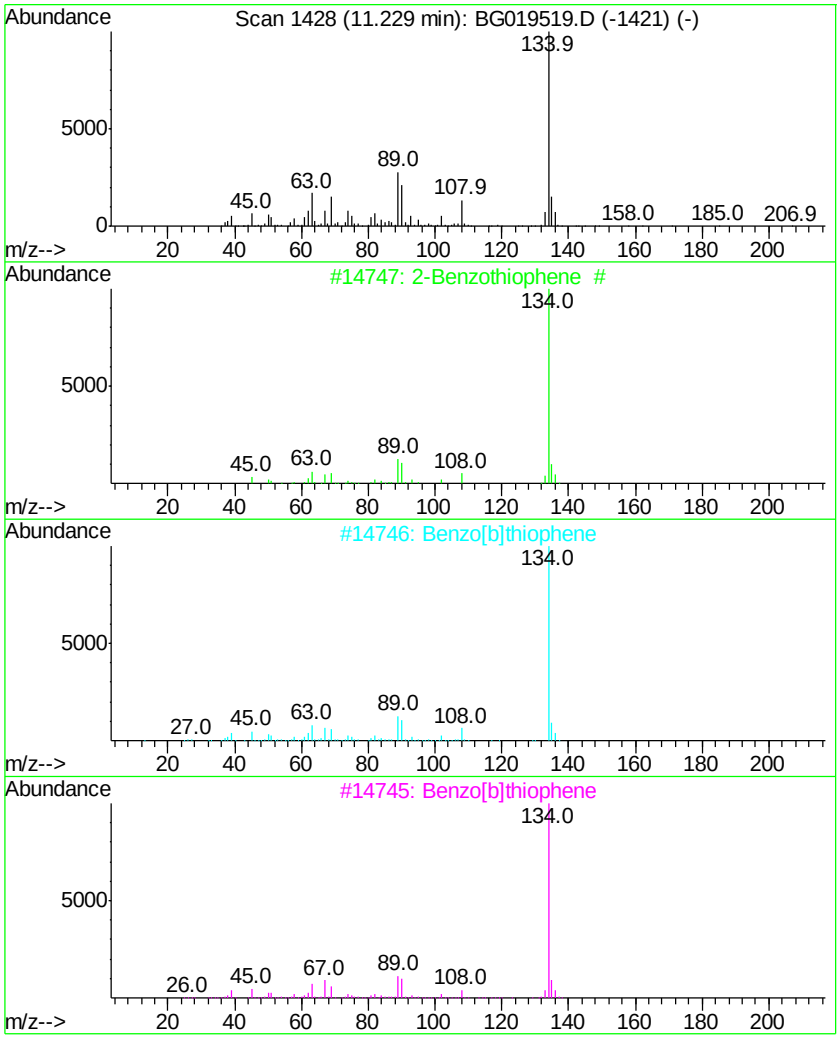
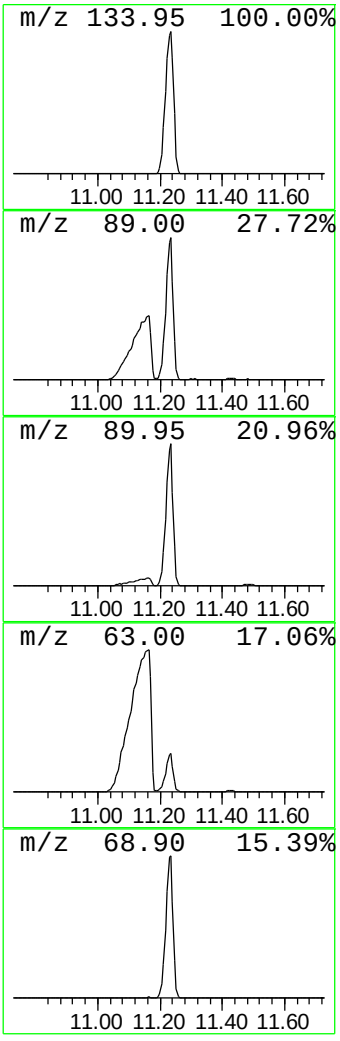
Peak Number 14 2-Benzothiophene # Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.07 ng/ul	10039300	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	94
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	86





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Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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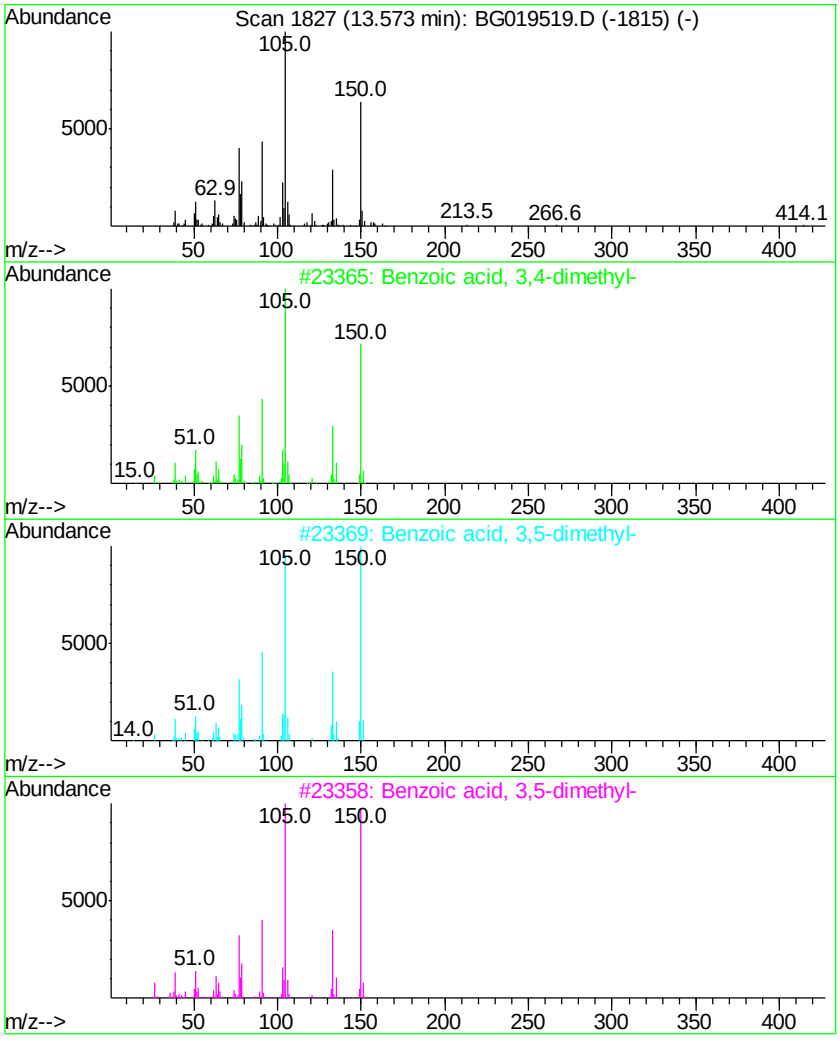
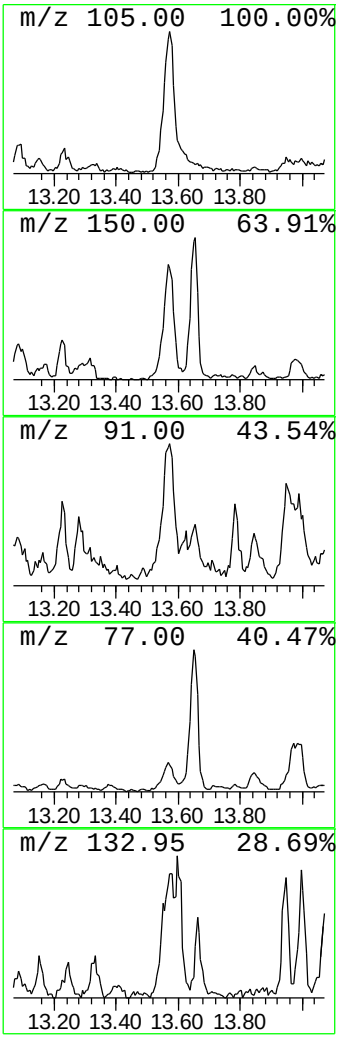
Peak Number 15 Benzoic acid, 3,4-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	11.35 ng/ul	451907	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	94
2	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	90
3	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	87
4	m-Tolylacetic acid	150	C9H10O2	000621-36-3	76
5	Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	59





Library Search Compound Report

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Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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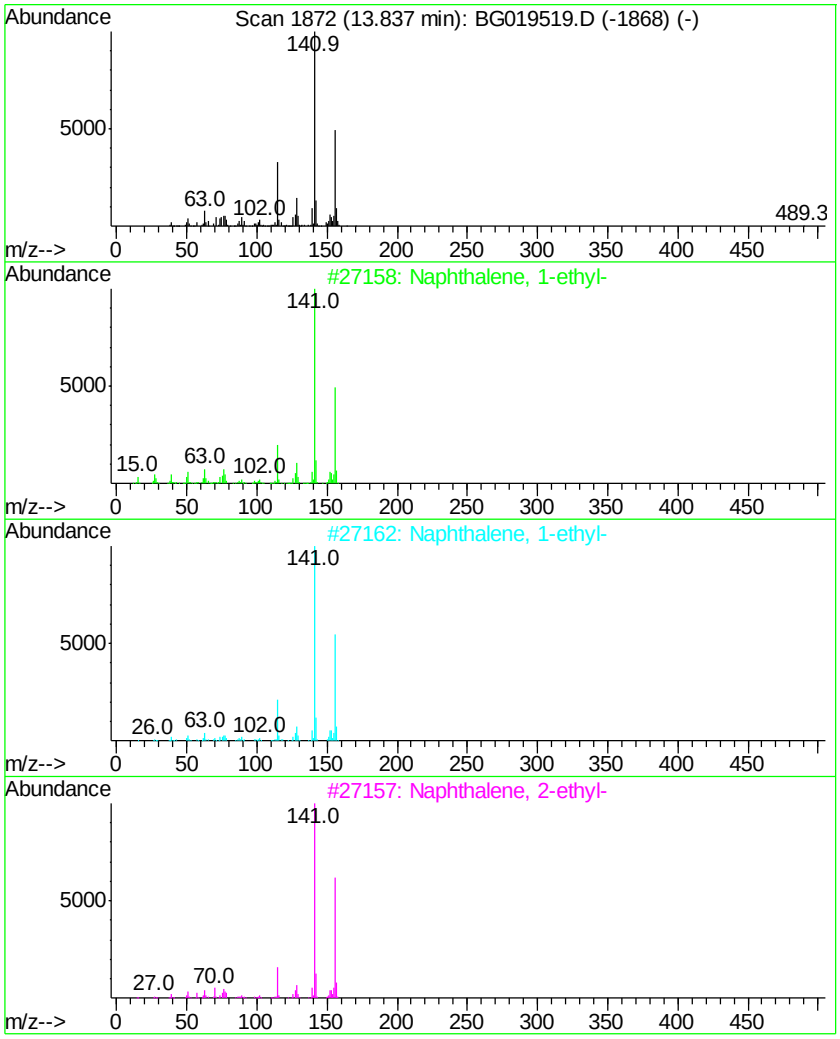
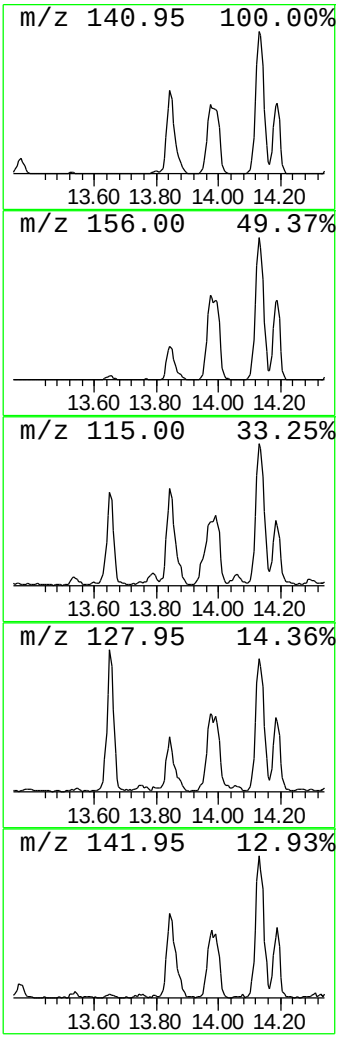
Peak Number 16 Naphthalene, 1-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	26.40 ng/ul	1050810	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





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Misc :
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Instrument : BNA_G
ClientSampleId : BCY52

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Quant Title : SVOA CALIBRATION

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

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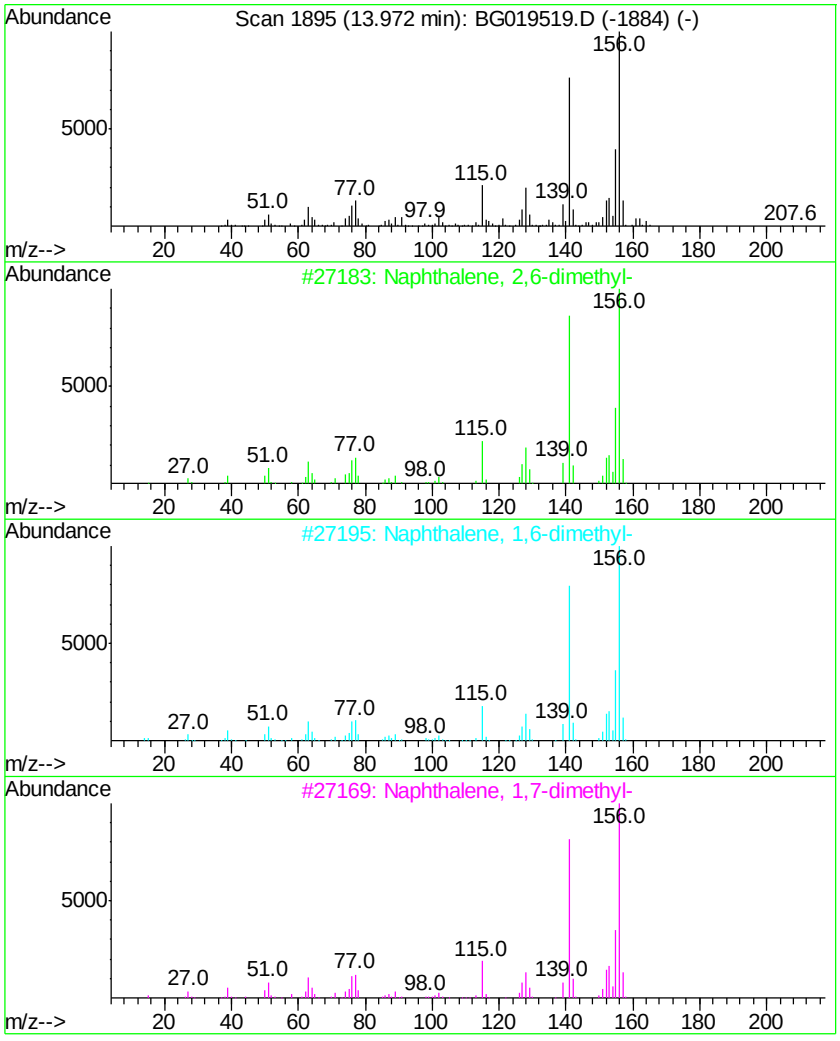
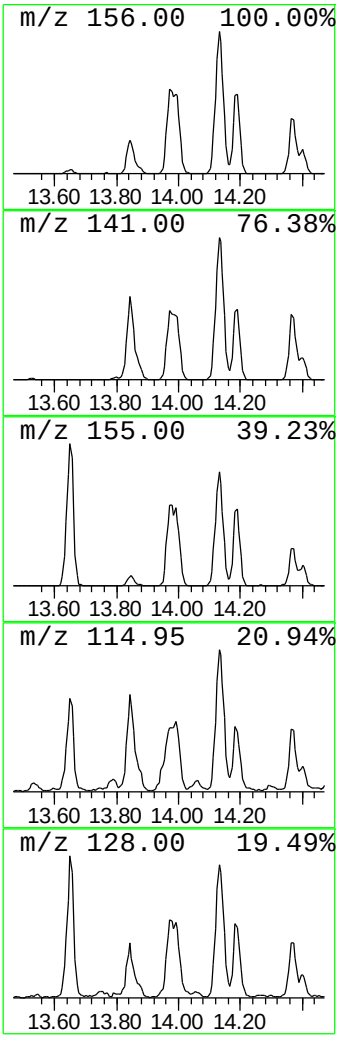
Peak Number 17 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	38.02 ng/ul	1513200	Acenaphthene-d10	14.81

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	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Misc :
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Instrument : BNA_G
ClientSampleId : BCY52

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Quant Title : SVOA CALIBRATION

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

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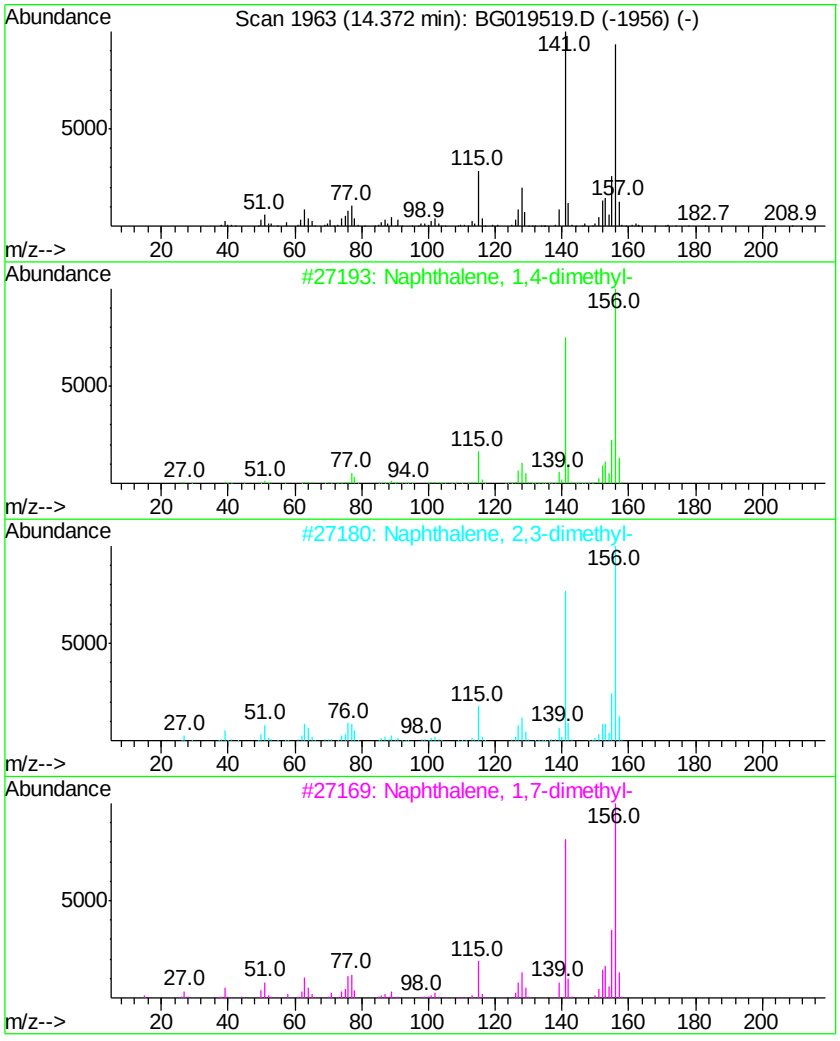
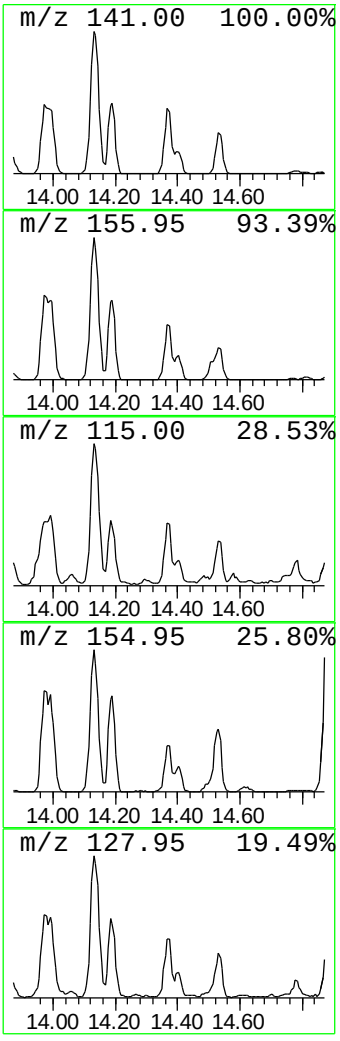
Peak Number 19 Naphthalene, 1,4-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	21.84 ng/ul	869442	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Sample : G4245-17
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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 20 2-Naphthalenecarbonitrile Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	23.20 ng/ul	923311	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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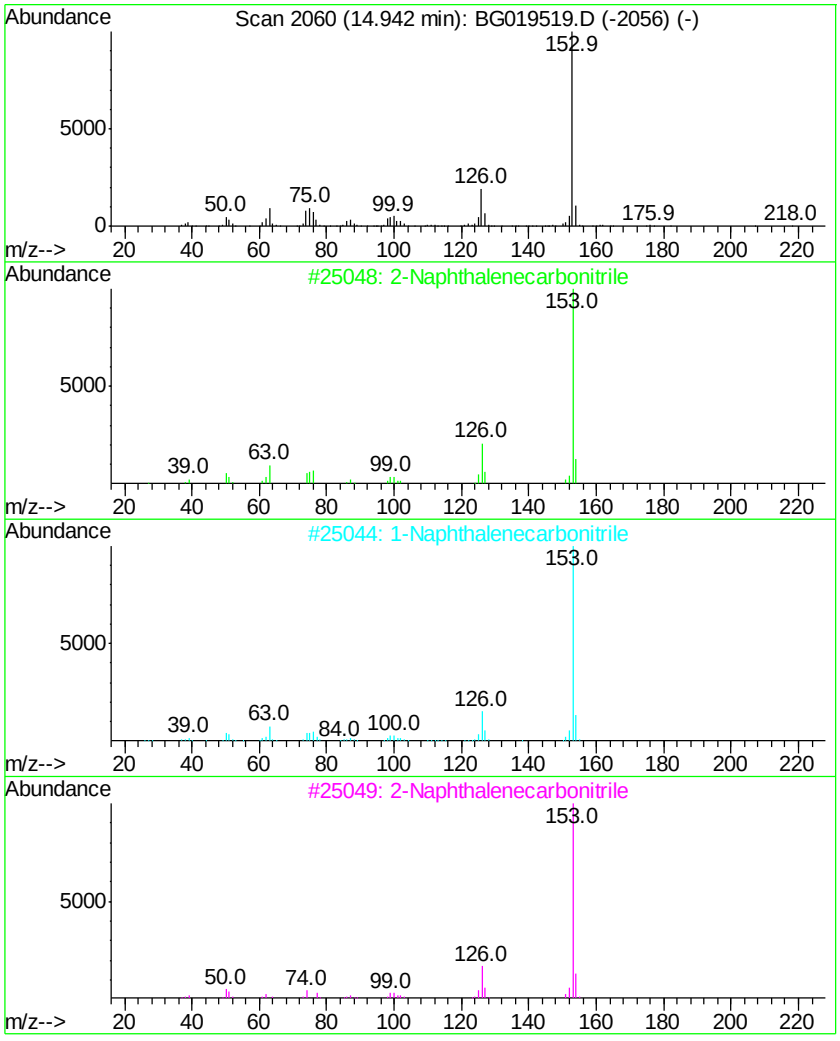

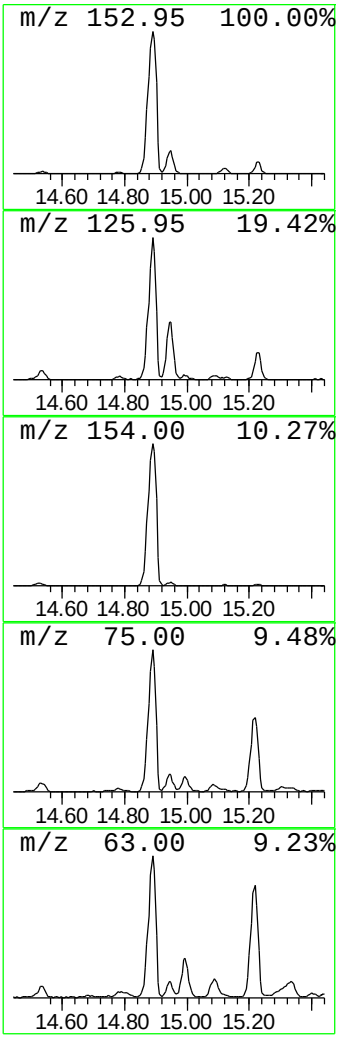

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Quant Title : SVOA CALIBRATION

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

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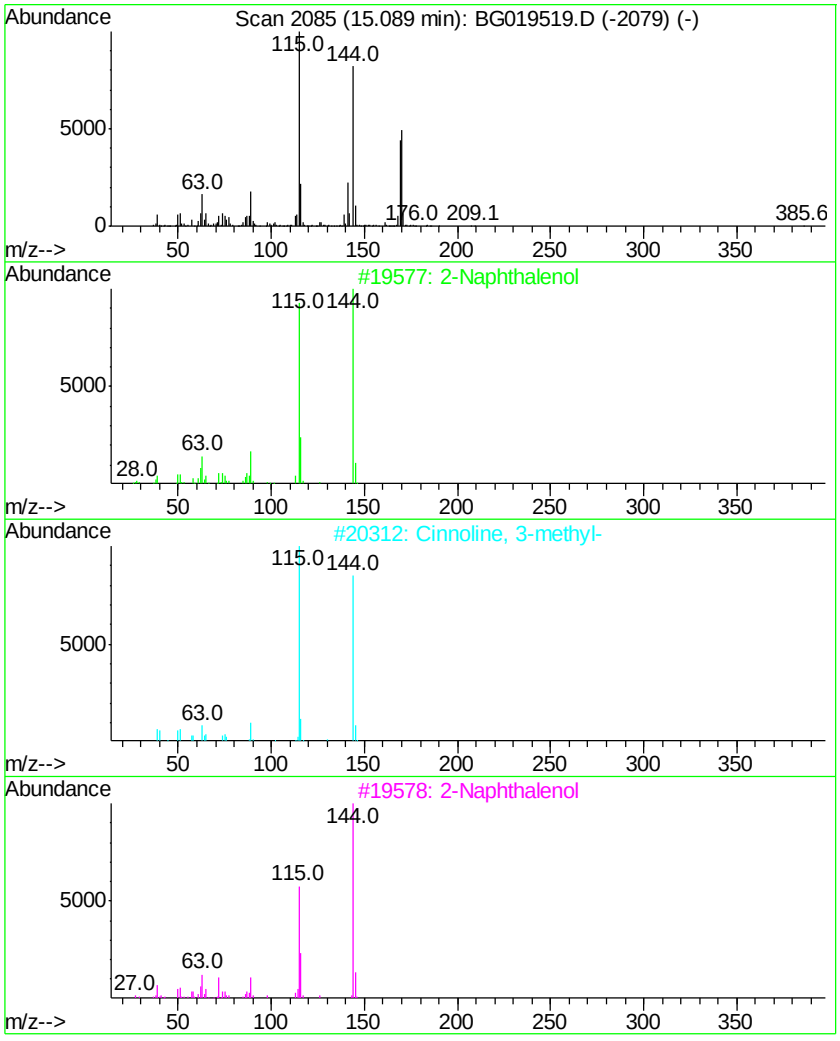
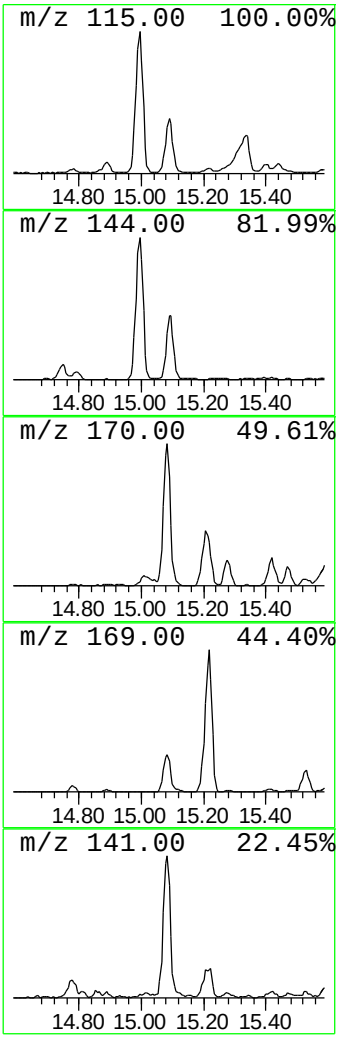
Peak Number 21 2-Naphthalenol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	42.16 ng/ul	1678120	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	96
2	Cinnoline, 3-methyl-	144	C9H8N2	017372-78-0	53
3	2-Naphthalenol	144	C10H8O	000135-19-3	50
4	2-Naphthalenol, acetate	186	C12H10O2	001523-11-1	50
5	1-Naphthalenol	144	C10H8O	000090-15-3	49





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Misc :
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Instrument : BNA_G
ClientSampleId : BCY52

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Quant Title : SVOA CALIBRATION

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

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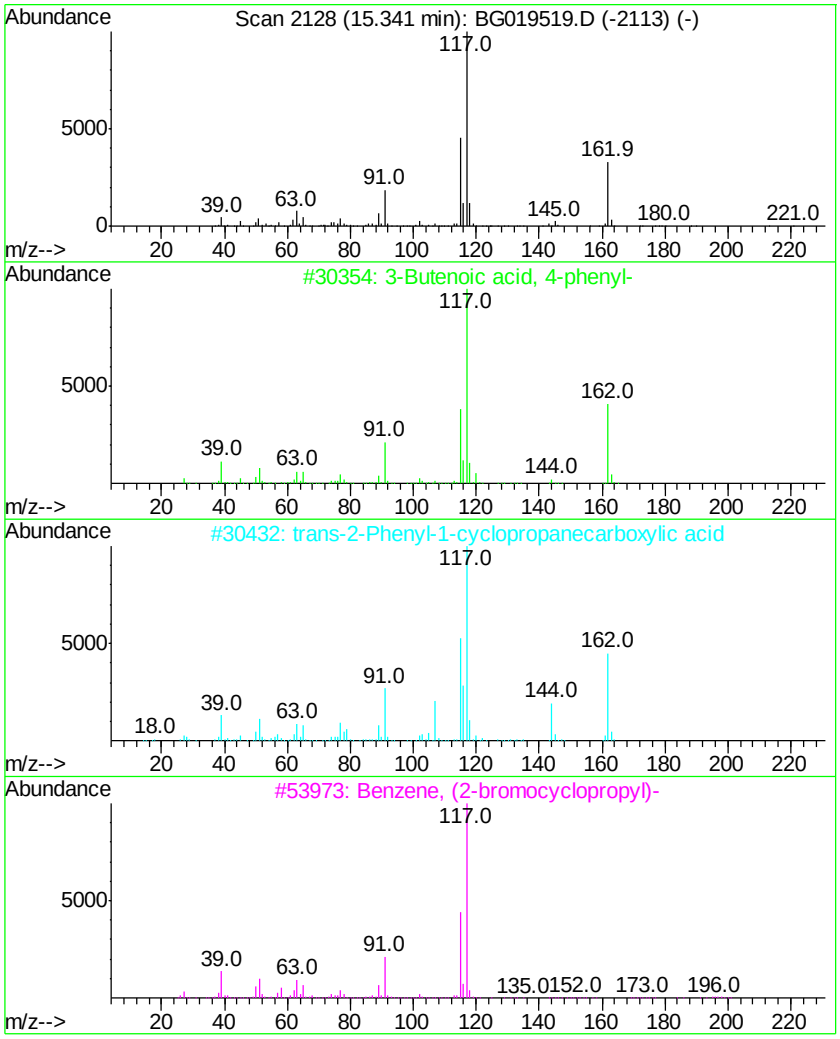
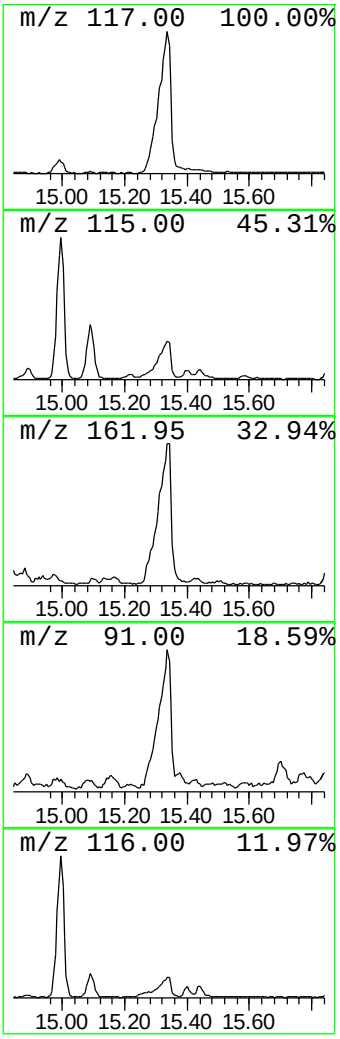
Peak Number 22 3-Butenoic acid, 4-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	51.21 ng/ul	2038230	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	81
2	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	80
3	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	72
4	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	62
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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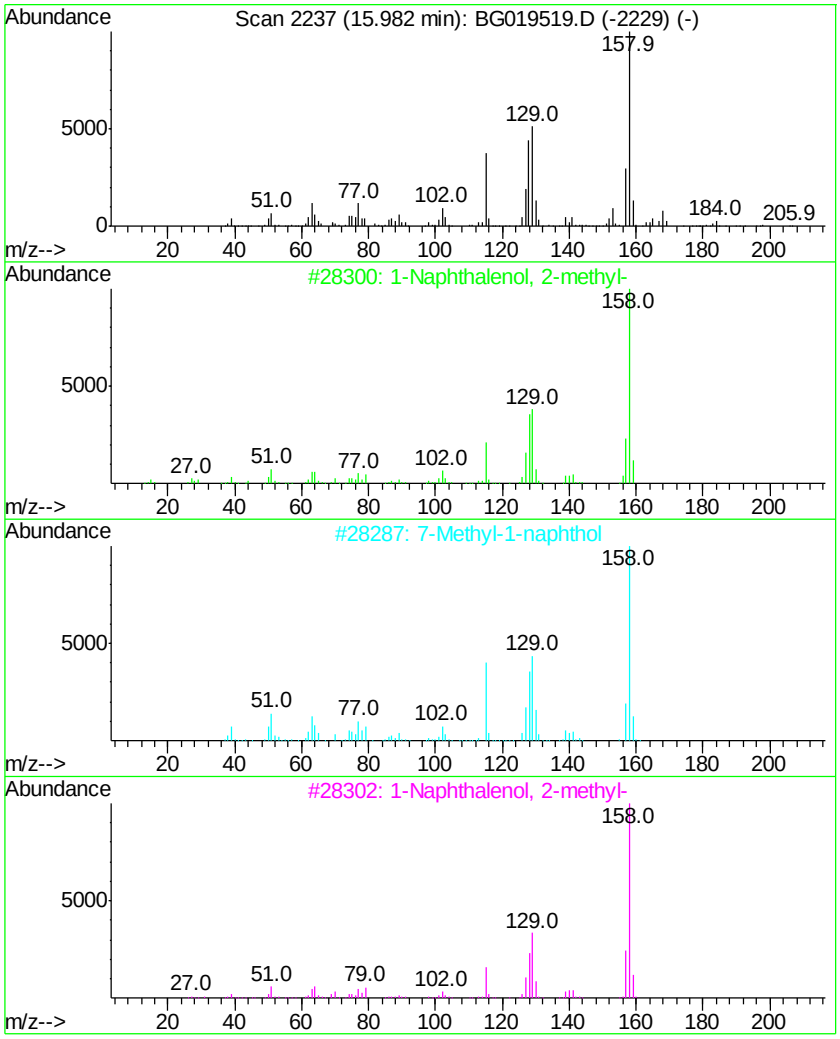
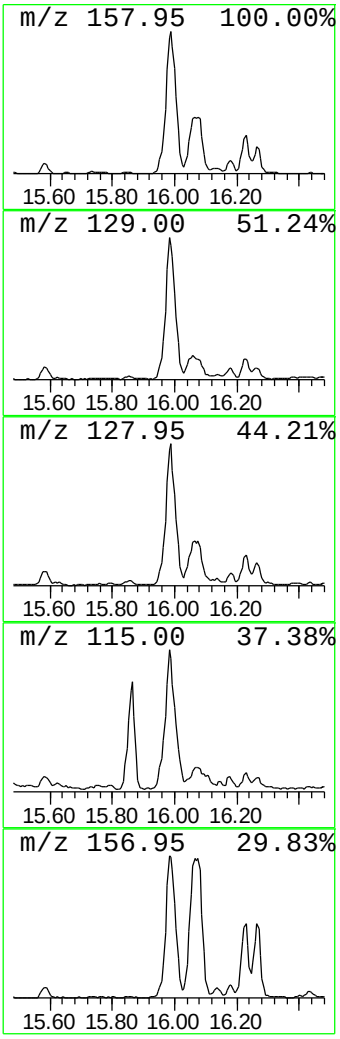
Peak Number 23 1-Naphthalenol, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	81.11 ng/ul	3228150	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	94
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	93
3	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	90
4	1-Naphthalenemethanol	158	C11H10O	004780-79-4	64
5	1H-Pyrazole, 3-methyl-5-phenyl-	158	C10H10N2	003347-62-4	46





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Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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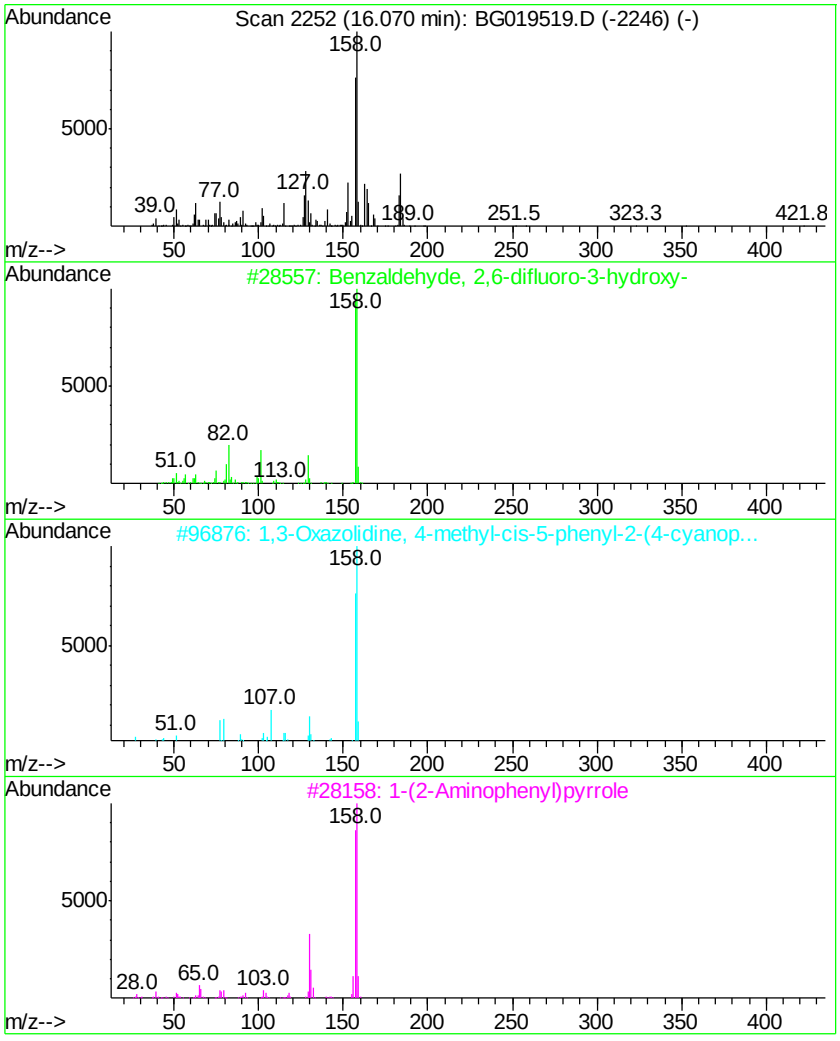
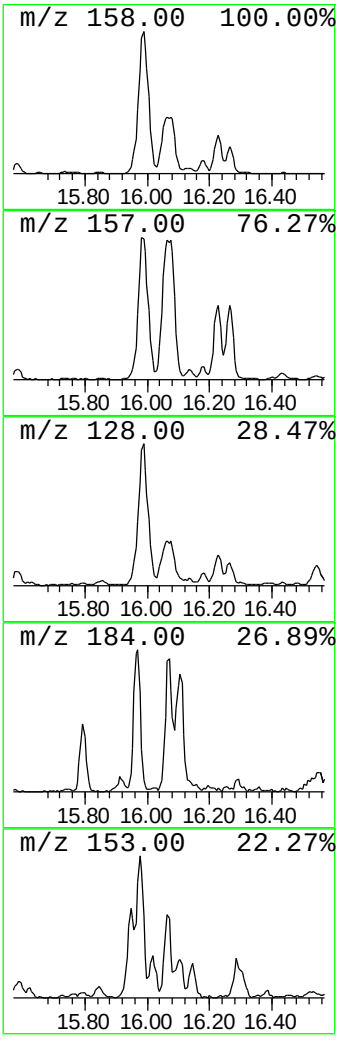
Peak Number 24 Benzaldehyde, 2,6-difluoro-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	37.74 ng/ul	1502070	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2,6-difluoro-3-hyd...	158	C7H4F2O2	152434-88-3	47
2	1,3-Oxazolidine, 4-methyl-cis-5-...	264	C17H16N2O	1000138-86-2	43
3	1-(2-Aminophenyl)pyrrole	158	C10H10N2	006025-60-1	43
4	1,3-Oxazolidine, 4-methyl-trans-...	264	C17H16N2O	1000138-86-9	43
5	1H-Benzimidazole, 1-(2-propenyl)-	158	C10H10N2	019018-22-5	43





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Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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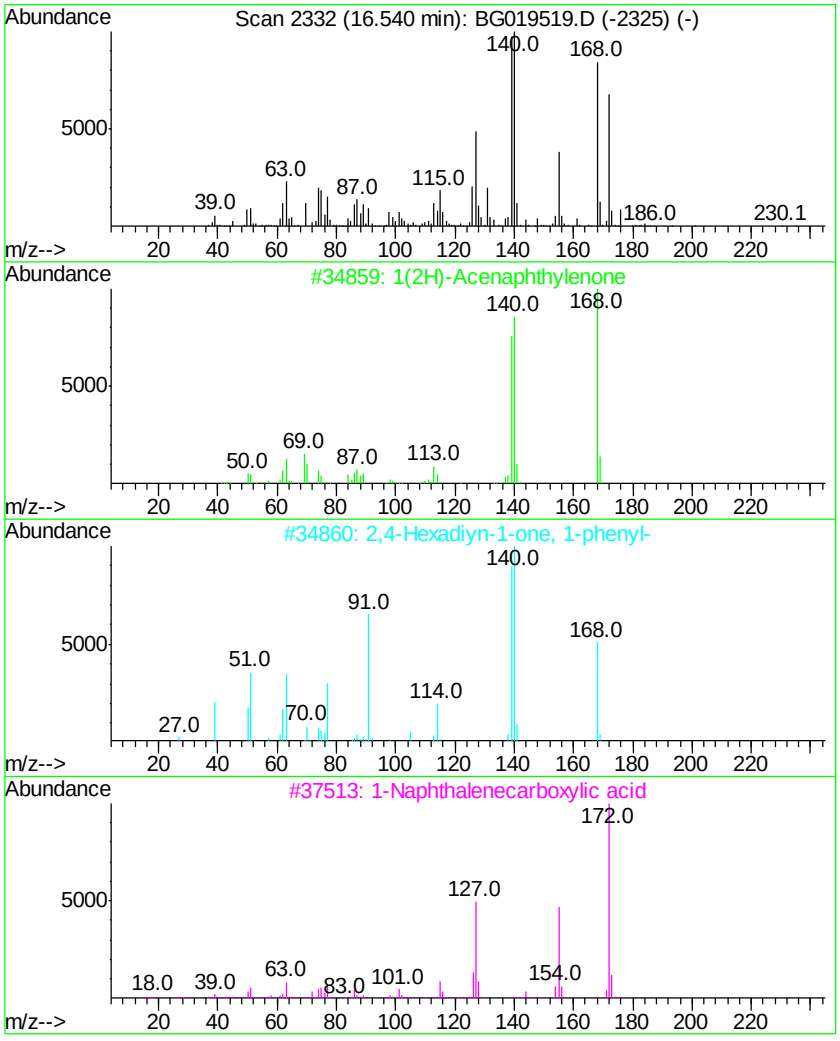
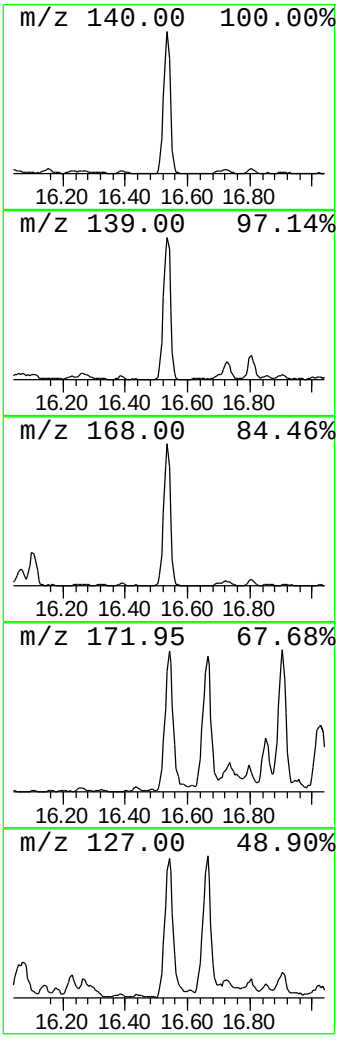
Peak Number 25 1(2H)-Acenaphthylenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	38.98 ng/ul	2468640	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	87
2	2,4-Hexadiyn-1-one, 1-phenyl-	168	C12H8O	000495-74-9	58
3	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	56
4	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	45
5	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	35





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Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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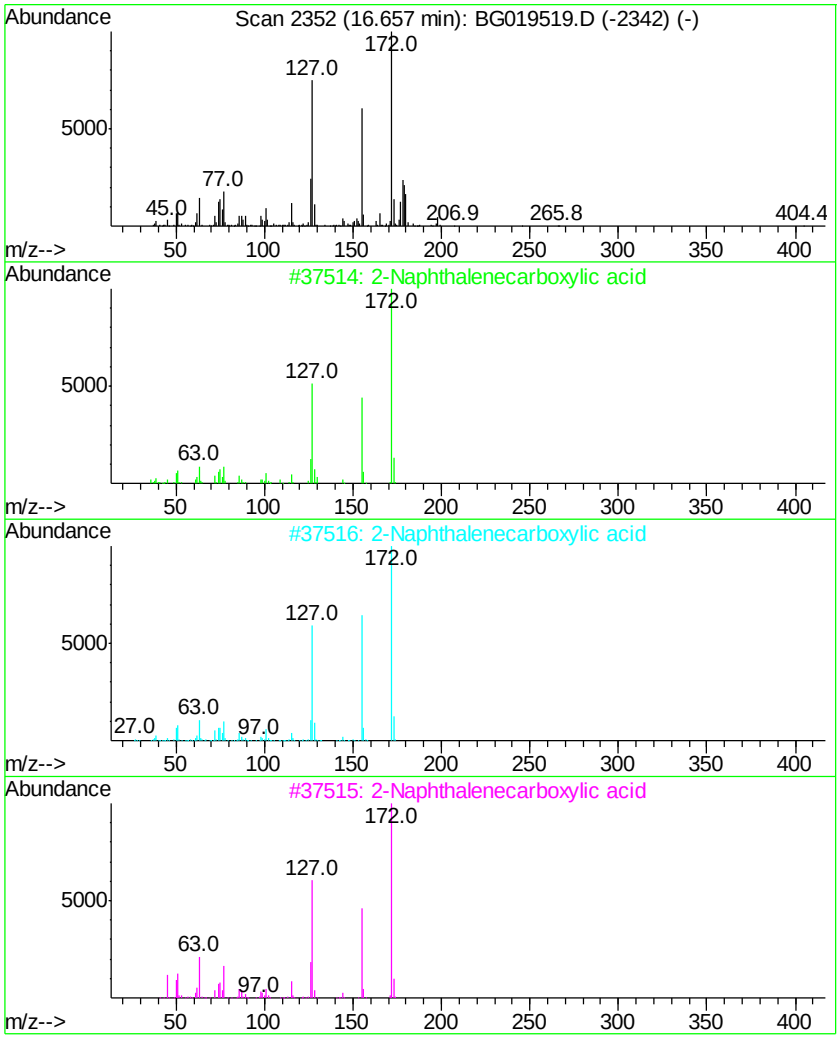
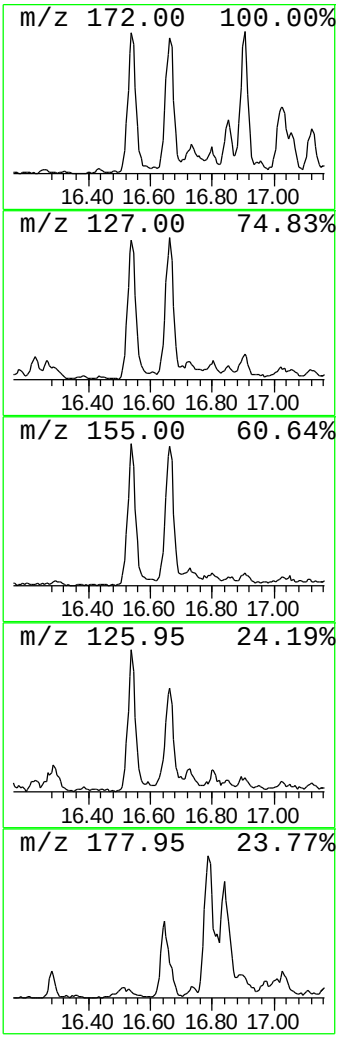
Peak Number 26 2-Naphthalenecarboxylic acid Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	18.13 ng/ul	1148180	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	95
2	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	94
3	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	93
4	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	89
5	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	89





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Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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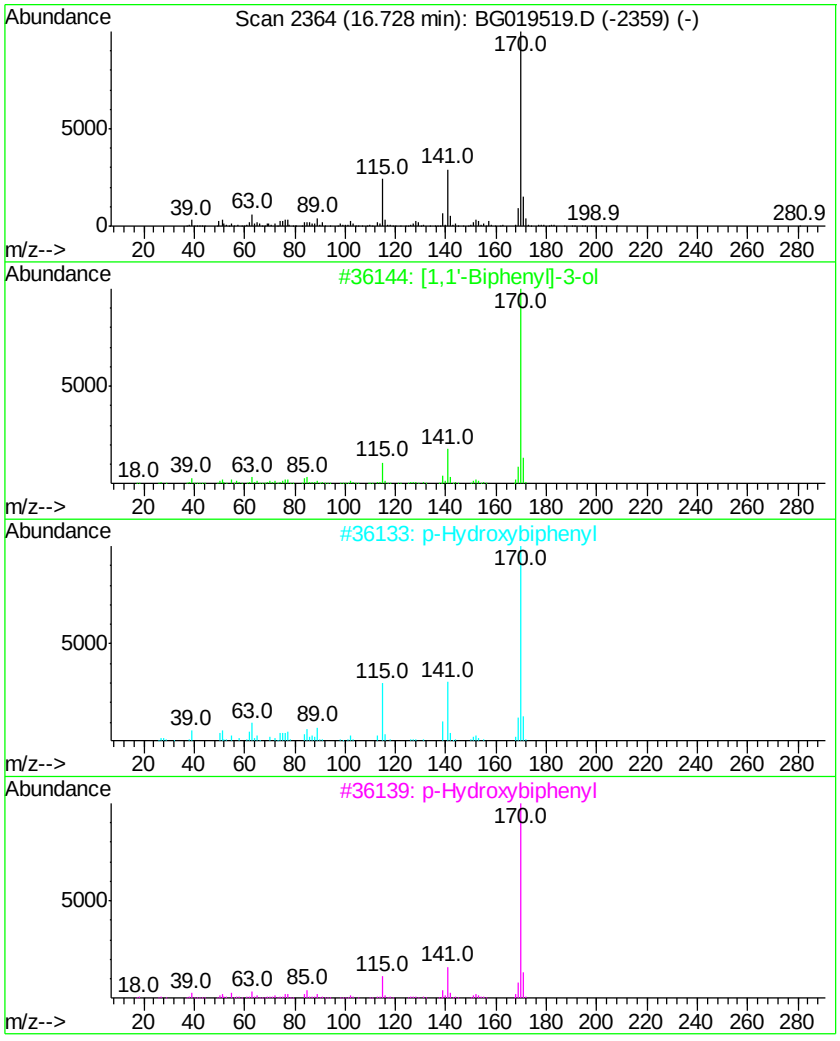
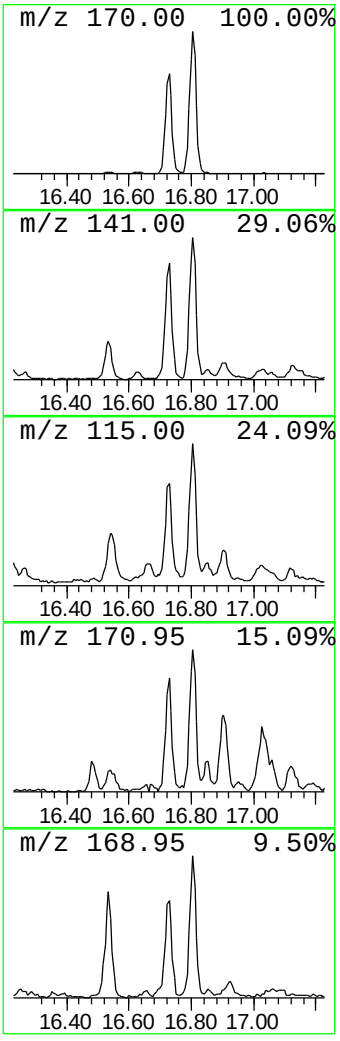
Peak Number 27 [1,1'-Biphenyl]-3-ol Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	13.58 ng/ul	860380	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	94
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	91
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	90
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	87





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Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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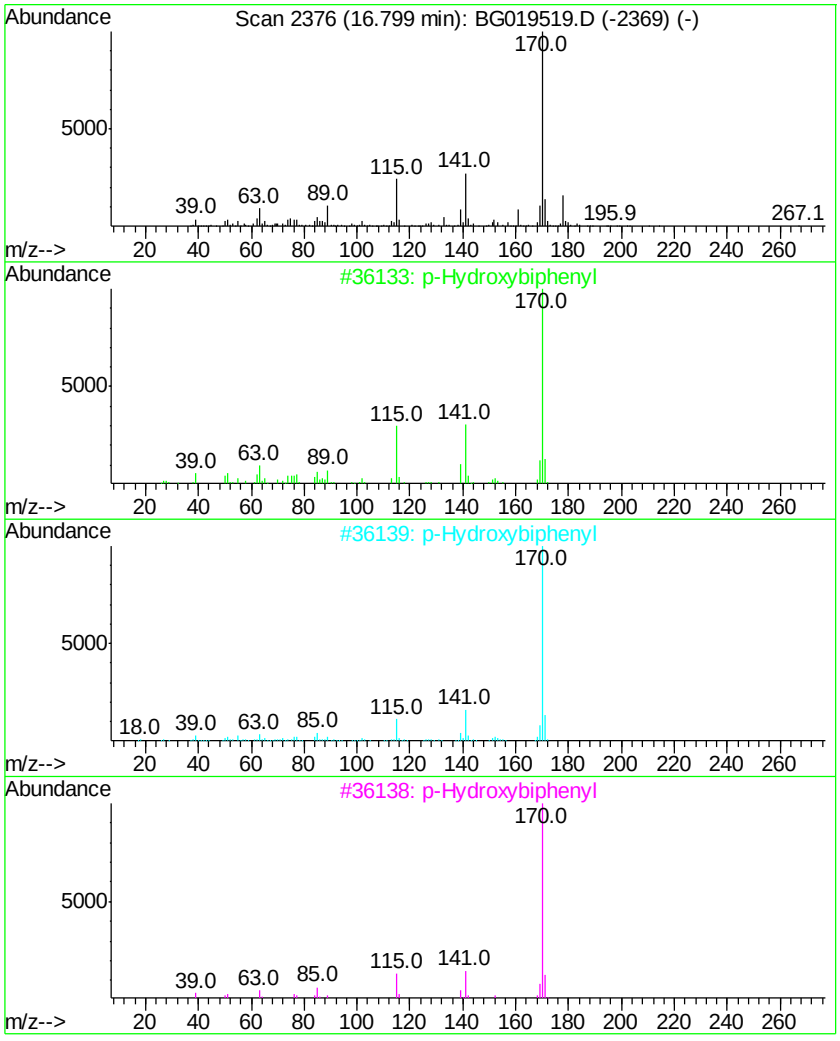
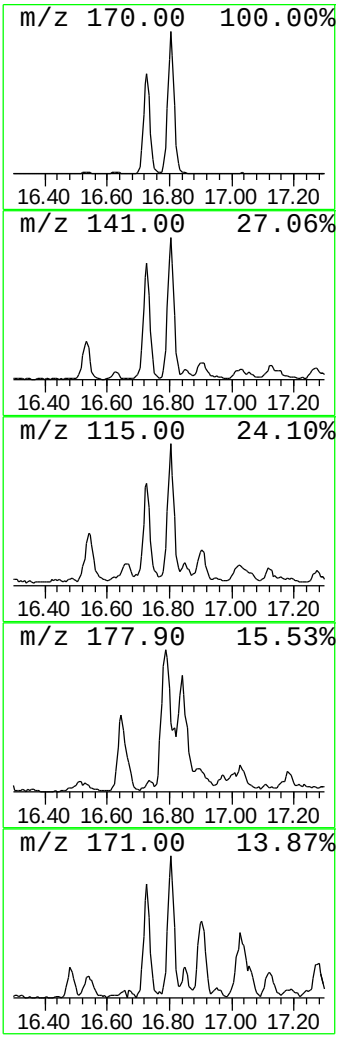
Peak Number 28 p-Hydroxybiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	28.48 ng/ul	1803820	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	91
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	91
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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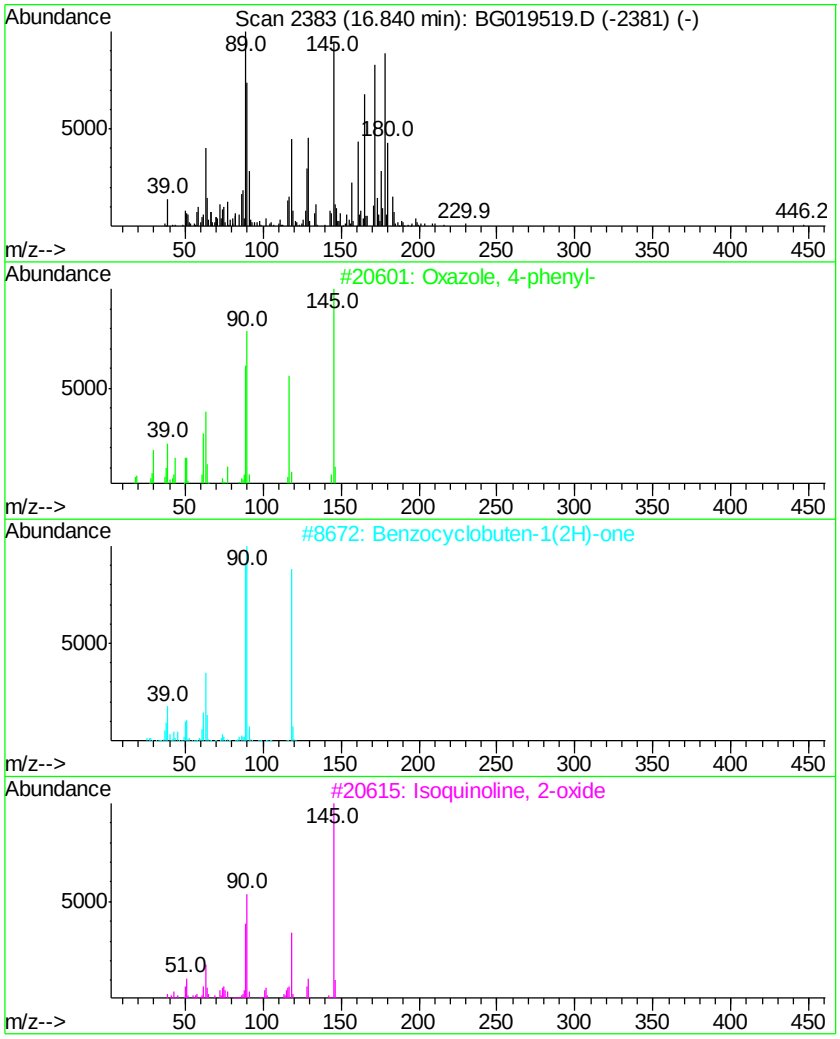
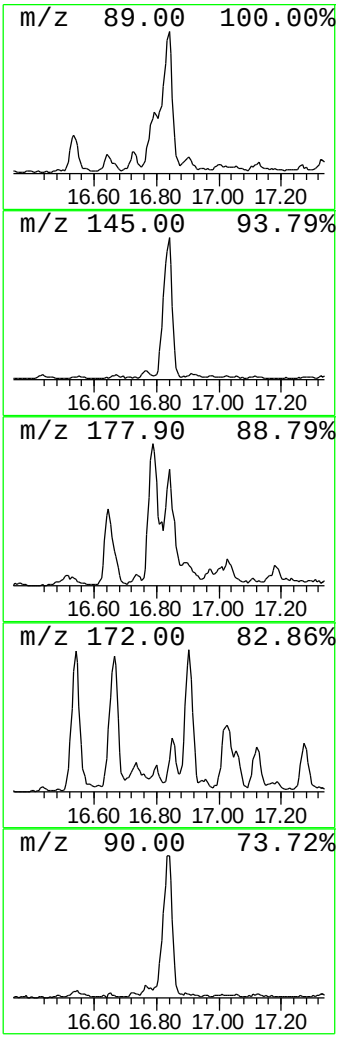
Peak Number 29 Oxazole, 4-phenyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	15.78 ng/ul	999611	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazole, 4-phenyl-	145	C9H7NO	020662-89-9	43
2	Benzocyclobuten-1(2H)-one	118	C8H6O	003469-06-5	43
3	Isoquinoline, 2-oxide	145	C9H7NO	001532-72-5	25
4	Isoquinoline, 2-oxide	145	C9H7NO	001532-72-5	25
5	Benzene, 1-methyl-2,4-dinitro-	182	C7H6N2O4	000121-14-2	25





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Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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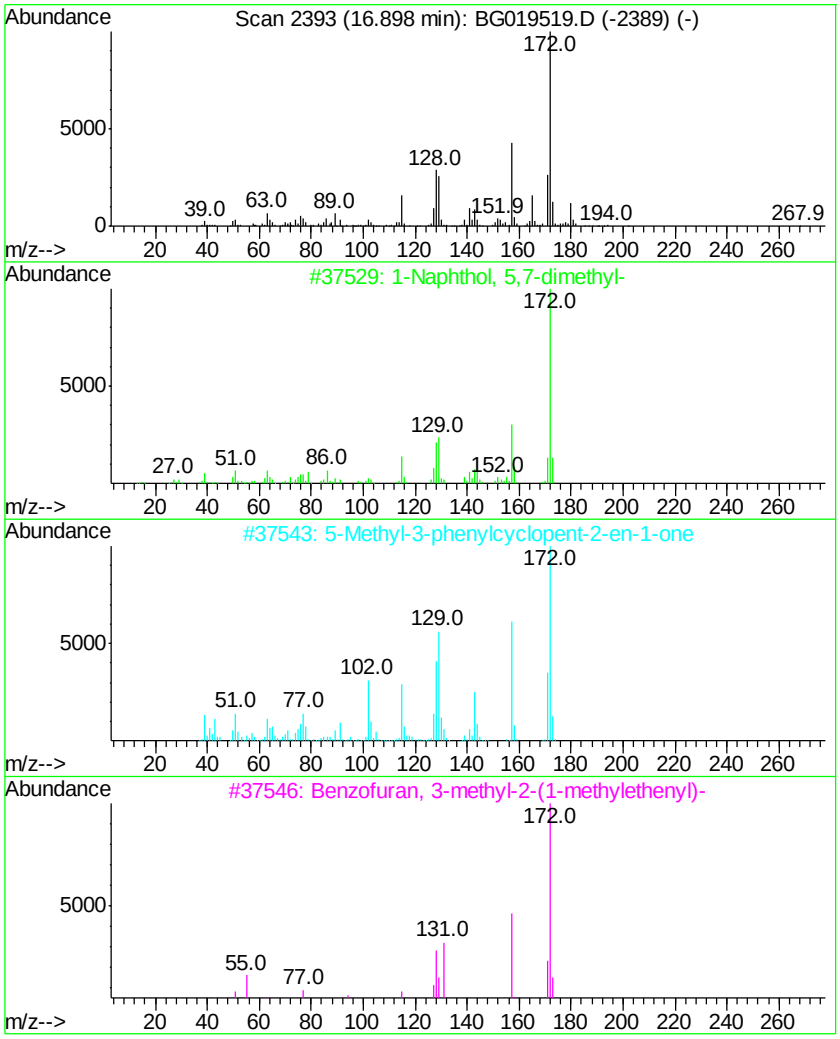
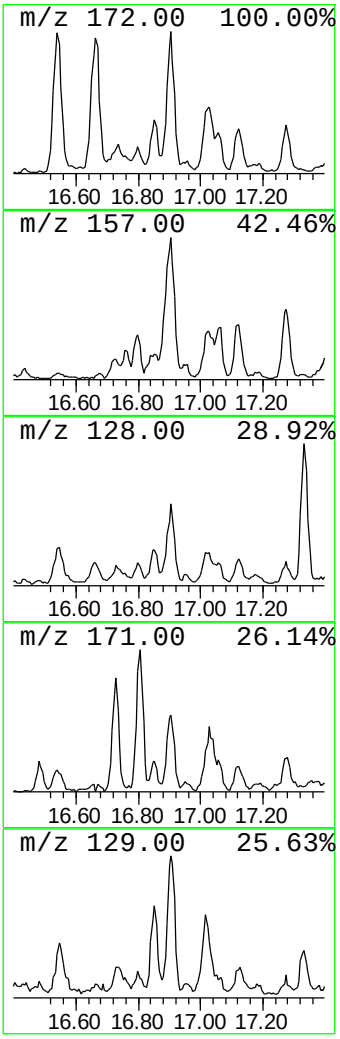
Peak Number 30 1-Naphthol, 5,7-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	12.36 ng/ul	783142	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthol, 5,7-dimethyl-	172	C12H12O	031706-76-0	80
2	5-Methyl-3-phenylcyclopent-2-en-...	172	C12H12O	026131-82-8	72
3	Benzofuran, 3-methyl-2-(1-methyl...	172	C12H12O	023911-58-2	64
4	1-Naphthol, 6,7-dimethyl-	172	C12H12O	031776-14-4	64
5	Cinnoline, 4-ethyl-3-methyl-	172	C11H12N2	020873-32-9	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110615\
Data File : BG019519.D
Acq On : 6 Nov 2015 19:31
Operator : UM/NP
Sample : G4245-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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
Benzene, 1,3-dime...	5.78	25.0	ng/ul	1206280	1	8.19	964793	20.0
Benzene, 1-ethyl-...	7.25	13.8	ng/ul	667424	1	8.19	964793	20.0
Benzene, 1,2,3-tr...	7.39	25.9	ng/ul	1251250	1	8.19	964793	20.0
Benzene, 1,2,4-tr...	7.82	62.9	ng/ul	3032510	1	8.19	964793	20.0
Indane	8.57	232.6	ng/ul	11222600	1	8.19	964793	20.0
Indene	8.74	212.1	ng/ul	10232400	1	8.19	964793	20.0
Benzene, 2-ethyl-...	8.82	8.8	ng/ul	426986	1	8.19	964793	20.0
Benzene, 1-ethyl-...	9.30	11.2	ng/ul	541509	1	8.19	964793	20.0
Benzofuran, 2-met...	9.55	22.7	ng/ul	1094940	1	8.19	964793	20.0
2-Benzothiophene #	11.23	2.1	ng/ul	10039300	2	11.07	97088800	20.0
Benzoic acid, 3,4...	13.57	11.4	ng/ul	451907	3	14.81	796026	20.0
Naphthalene, 1-et...	13.84	26.4	ng/ul	1050810	3	14.81	796026	20.0
Naphthalene, 2,6-...	13.97	38.0	ng/ul	1513200	3	14.81	796026	20.0
Naphthalene, 1,4-...	14.37	21.8	ng/ul	869442	3	14.81	796026	20.0
2-Naphthalenecarb...	14.94	23.2	ng/ul	923311	3	14.81	796026	20.0
2-Naphthalenol	15.09	42.2	ng/ul	1678120	3	14.81	796026	20.0
3-Butenoic acid, ...	15.34	51.2	ng/ul	2038230	3	14.81	796026	20.0
1-Naphthalenol, 2...	15.98	81.1	ng/ul	3228150	3	14.81	796026	20.0
Benzaldehyde, 2,6...	16.07	37.7	ng/ul	1502070	3	14.81	796026	20.0
1(2H)-Acenaphthyl...	16.54	39.0	ng/ul	2468640	4	17.56	1266780	20.0
2-Naphthalenecarb...	16.66	18.1	ng/ul	1148180	4	17.56	1266780	20.0
[1,1'-Biphenyl]-3-ol	16.73	13.6	ng/ul	860380	4	17.56	1266780	20.0
p-Hydroxybiphenyl	16.80	28.5	ng/ul	1803820	4	17.56	1266780	20.0
Oxazole, 4-phenyl-	16.84	15.8	ng/ul	999611	4	17.56	1266780	20.0
1-Naphthol, 5,7-d...	16.90	12.4	ng/ul	783142	4	17.56	1266780	20.0