LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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	3.099	38	44	53	rBV2	38762	76210	2.32%	0.383%
2	3.175	53	57	66	rVB	23599	34910	1.06%	0.175%
3	3.422	94	99	106	rVB3	5007	9232	0.28%	0.046%
4	4.756	320	326	337	rVB	79274	132176	4.02%	0.664%
5	5.696	479	486	494	rBV2	6547	14085	0.43%	0.071%
6	7.235	740	748	754	rBV	17502	31276	0.95%	0.157%
7	7.394	769	775	783	rBV	54537	93426	2.84%	0.469%
8	7.605	805	811	821	rVV	61777	105014	3.19%	0.528%
9	7.717	824	830	836	rBB	17294	27194	0.83%	0.137%
10	8.075	884	891	898	rBV	55094	95713	2.91%	0.481%
11	8.187	904	910	916	rVB2	8092	11768	0.36%	0.059%
12	8.451	945	955	961	rBB2	25379	45960	1.40%	0.231%
13	8.616	977	983	994	rVB	78303	136961	4.16%	0.688%
14	8.786	1006	1012	1020	rBV	52453	90937	2.76%	0.457%
15	9.245	1084	1090	1100	rBV	74522	137701	4.18%	0.692%
16	9.556	1138	1143	1150	rVB2	7824	16797	0.51%	0.084%
17	9.973	1207	1214	1221	rBV	65837	117065	3.56%	0.588%
18	10.285	1261	1267	1278	rBV5	13220	37115	1.13%	0.187%
19	10.384	1278	1284	1295	rVB4	7068	23217	0.71%	0.117%
20	10.514	1300	1306	1317	rBV2	104996	187766	5.70%	0.944%
21	10.896	1361	1371	1374	rBV	76884	143684	4.37%	0.722%
22	10.954	1374	1381	1393	rVV	1705104	3291362	100.00%	16.539%
23	11.066	1393	1400	1409	rVB	61891	108293	3.29%	0.544%
24	11.718	1505	1511	1516	rBV4	14624	24483	0.74%	0.123%
25	12.441	1629	1634	1643	rBV2	11807	20956	0.64%	0.105%
26	12.547	1644	1652	1665	rVV	609293	1002532	30.46%	5.038%
27	12.658	1665	1671	1678	rVV	16449	31145	0.95%	0.157%
28	12.764	1678	1689	1700	rVB	352016	594874	18.07%	2.989%
29	13.545	1814	1822	1832	rBV	173845	270255	8.21%	1.358%
30	13.739	1849	1855	1866	rVB	31726	61275	1.86%	0.308%
31	13.886	1868	1880	1887	rBV5	37502	103318	3.14%	0.519%
32	14.033	1898	1905	1910	rVV	68810	128604	3.91%	0.646%
33	14.109	1910	1918	1925	rVV	216438	378506	11.50%	1.902%
34	14.268	1940	1945	1949	rBV2	29829	46774	1.42%	0.235%

LSC Area Percent Report

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Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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	14.297	1949	1950	1955	rVB2	10712	11502	0.35%	0.058%
36	14.409	1962	1969	1981	rVB2	230137	480255	14.59%	2.413%
37	14.679	2010	2015	2017	rBV	31610	46422	1.41%	0.233%
38	14.715	2017	2021	2026	rVV2	144585	233331	7.09%	1.172%
39	14.779	2026	2032	2039	rVV	1067224	1660262	50.44%	8.343%
40	14.844	2039	2043	2049	rVV	47337	69031	2.10%	0.347%
41	14.914	2049	2055	2062	rVV3	20021	38775	1.18%	0.195%
42	14.985	2062	2067	2068	rVV2	9842	13762	0.42%	0.069%
43	15.020	2069	2073	2077	rVV	18842	30760	0.93%	0.155%
44	15.108	2081	2088	2097	rVV	573708	905574	27.51%	4.551%
45	15.191	2097	2102	2109	rVB2	18432	32286	0.98%	0.162%
46	15.314	2116	2123	2129	rBV4	6486	12321	0.37%	0.062%
47	15.379	2129	2134	2144	rVB3	3873	10155	0.31%	0.051%
48	15.490	2146	2153	2158	rVV2	4750	8120	0.25%	0.041%
49	15.702	2183	2189	2194	rBV	328051	489171	14.86%	2.458%
50	15.760	2194	2199	2205	rVB	708489	1038485	31.55%	5.218%
51	15.825	2205	2210	2216	rBV	97061	156391	4.75%	0.786%
52	15.884	2216	2220	2222	rVV	27553	41798	1.27%	0.210%
53	15.919	2222	2226	2231	rVV2	39917	65313	1.98%	0.328%
54	15.966	2231	2234	2237	rVV5	11737	17231	0.52%	0.087%
55	16.007	2237	2241	2244	rVV	18149	26292	0.80%	0.132%
56	16.048	2244	2248	2255	rVB2	37055	52162	1.58%	0.262%
57	16.195	2260	2273	2282	rBV3	40946	92114	2.80%	0.463%
58	16.289	2282	2289	2294	rVB4	5816	10822	0.33%	0.054%
59	16.430	2301	2313	2319	rVB5	15168	28597	0.87%	0.144%
60	16.548	2327	2333	2339	rBV	35657	49716	1.51%	0.250%
61	16.636	2344	2348	2356	rVB2	5470	9241	0.28%	0.046%
62	16.718	2356	2362	2365	rBV3	13333	26744	0.81%	0.134%
63	16.759	2365	2369	2373	rVV	24036	36756	1.12%	0.185%
64	16.806	2373	2377	2383	rVB	8816	13320	0.40%	0.067%
65	16.912	2389	2395	2401	rBV	10774	15216	0.46%	0.076%
66	17.112	2425	2429	2436	rVB	18319	30344	0.92%	0.152%
67	17.276	2452	2457	2467	rVB	92827	138528	4.21%	0.696%
68	17.458	2482	2488	2491	rBV	216711	334387	10.16%	1.680%
69	17.505	2491	2496	2501	rVB	1159247	1677882	50.98%	8.431%
70	17.558	2501	2505	2510	rBV2	396012	564147	17.14%	2.835%
71	17.652	2516	2521	2531	rVB3	5505	9753	0.30%	0.049%

LSC Area Percent Report

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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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	17.864	2545	2557	2567	rBV	137933	228441	6.94%	1.148%
73	17.958	2567	2573	2579	rBV7	12256	28054	0.85%	0.141%
74	18.023	2579	2584	2590	rVB4	9917	19655	0.60%	0.099%
75	18.111	2595	2599	2603	rVV3	21514	23750	0.72%	0.119%
76	18.299	2626	2631	2632	rVV2	5817	8147	0.25%	0.041%
77	18.334	2632	2637	2640	rVV	25207	36576	1.11%	0.184%
78	18.375	2640	2644	2652	rVV2	53225	84615	2.57%	0.425%
79	18.451	2652	2657	2663	rVV3	11642	20261	0.62%	0.102%
80	18.528	2663	2670	2680	rVV2	78398	143116	4.35%	0.719%
81	18.628	2680	2687	2691	rVV2	15606	24895	0.76%	0.125%
82	18.675	2691	2695	2699	rVV	21534	29819	0.91%	0.150%
83	18.769	2706	2711	2716	rVV3	15017	25207	0.77%	0.127%
84	18.822	2716	2720	2724	rVV2	12148	17262	0.52%	0.087%
85	18.869	2724	2728	2734	rVV2	29026	42449	1.29%	0.213%
86	19.386	2813	2816	2823	rVB3	6235	8663	0.26%	0.044%
87	19.509	2823	2837	2843	rBV	212372	314701	9.56%	1.581%
88	19.703	2864	2870	2874	rBV4	5999	13256	0.40%	0.067%
89	19.756	2876	2879	2886	rVB4	5951	8802	0.27%	0.044%
90	19.844	2886	2894	2906	rBV2	519404	950490	28.88%	4.776%
91	20.243	2958	2962	2967	rVV	27577	37804	1.15%	0.190%
92	20.355	2978	2981	2986	rVB2	7192	9779	0.30%	0.049%
93	20.455	2993	2998	3002	rBV	8833	12552	0.38%	0.063%
94	21.730	3208	3215	3222	rBV	299049	487863	14.82%	2.452%
95	22.153	3283	3287	3293	rVB2	8154	13568	0.41%	0.068%
96	23.863	3572	3578	3584	rVB6	3351	7766	0.24%	0.039%
97	24.015	3599	3604	3611	rVB5	3494	7880	0.24%	0.040%
98	24.779	3722	3734	3747	rBV	267039	757959	23.03%	3.809%
99	25.003	3761	3772	3785	rBV2	139222	416913	12.67%	2.095%
100	27.482	4187	4194	4202	rBV8	4348	12662	0.38%	0.064%

Sum of corrected areas: 19900455

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
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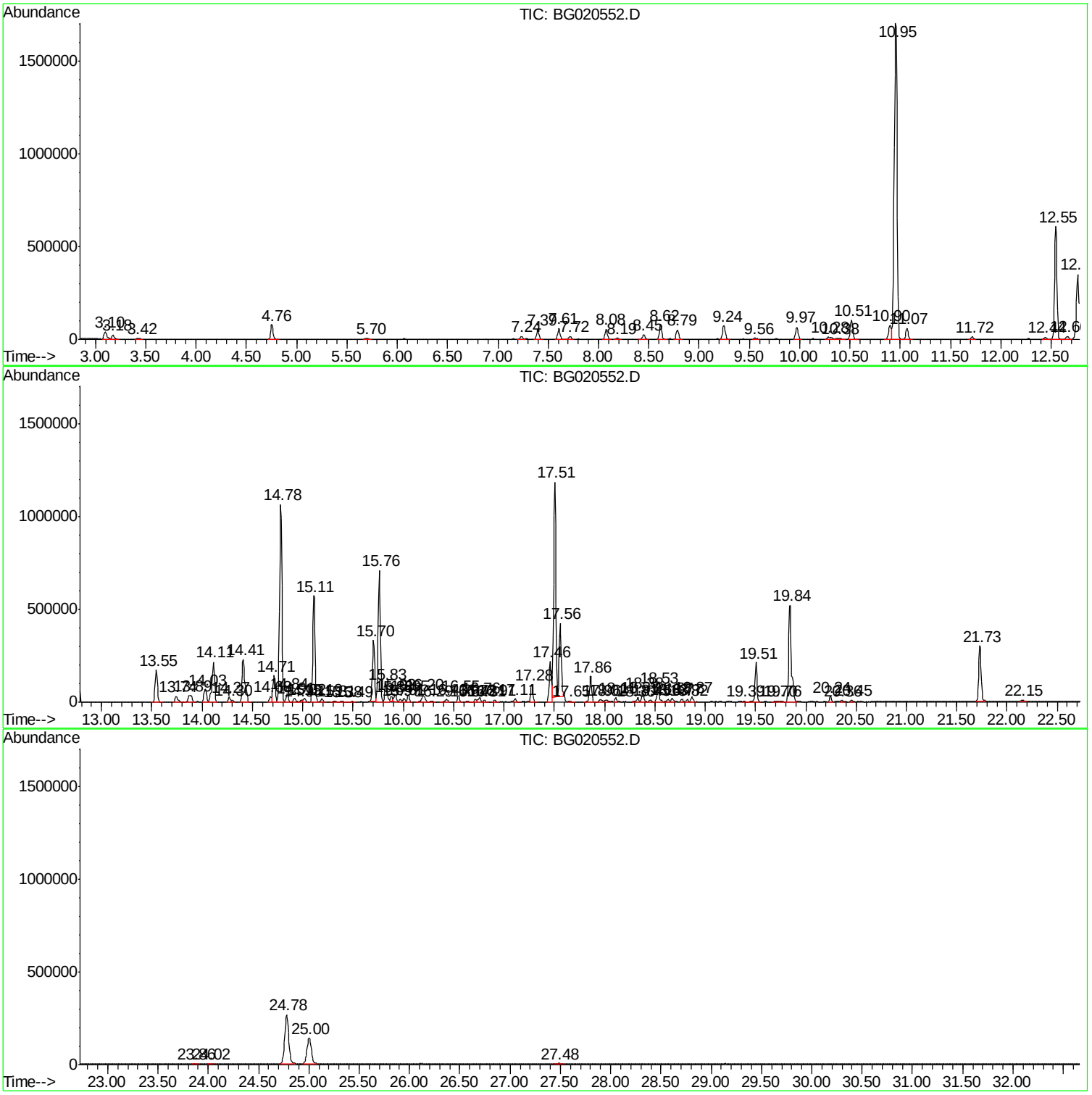
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N62

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\BG122615\
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

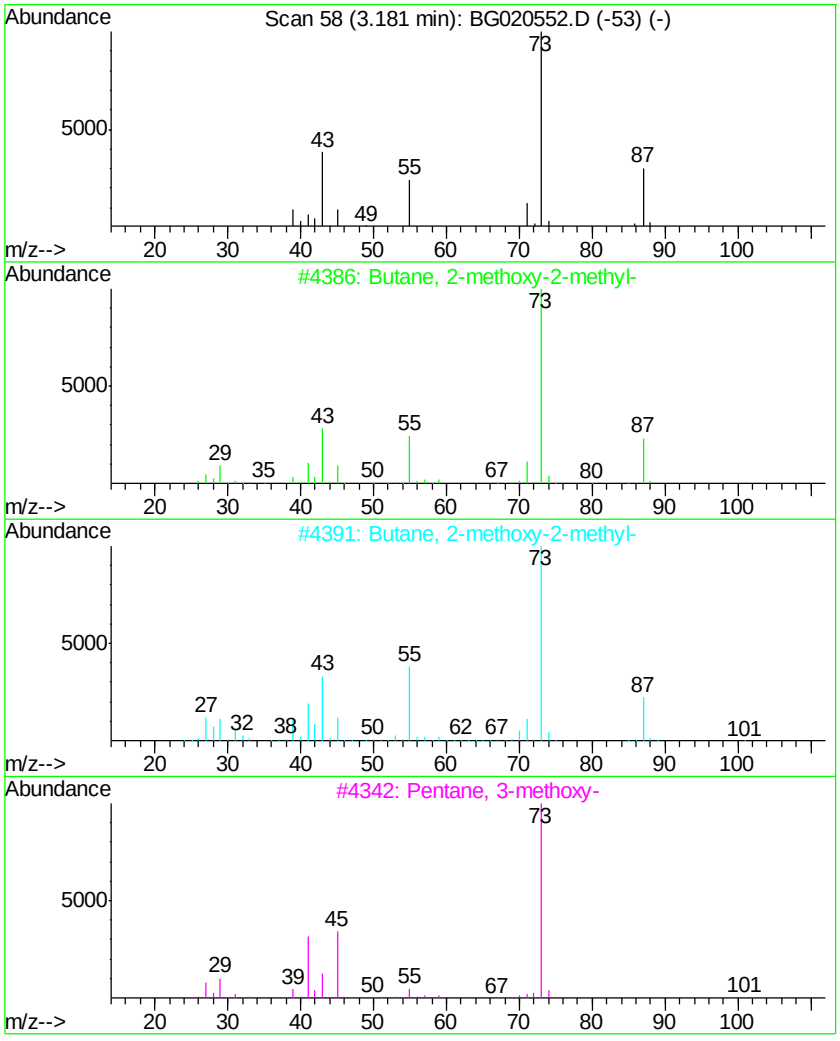
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

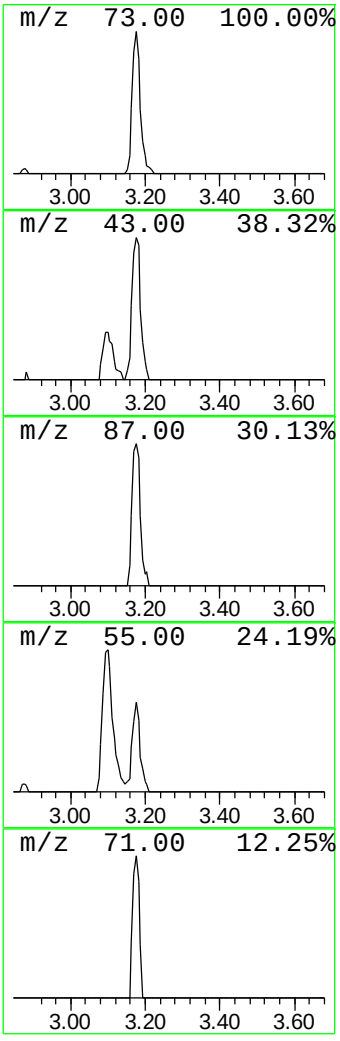
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	7.29 ng/ul	34910	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	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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

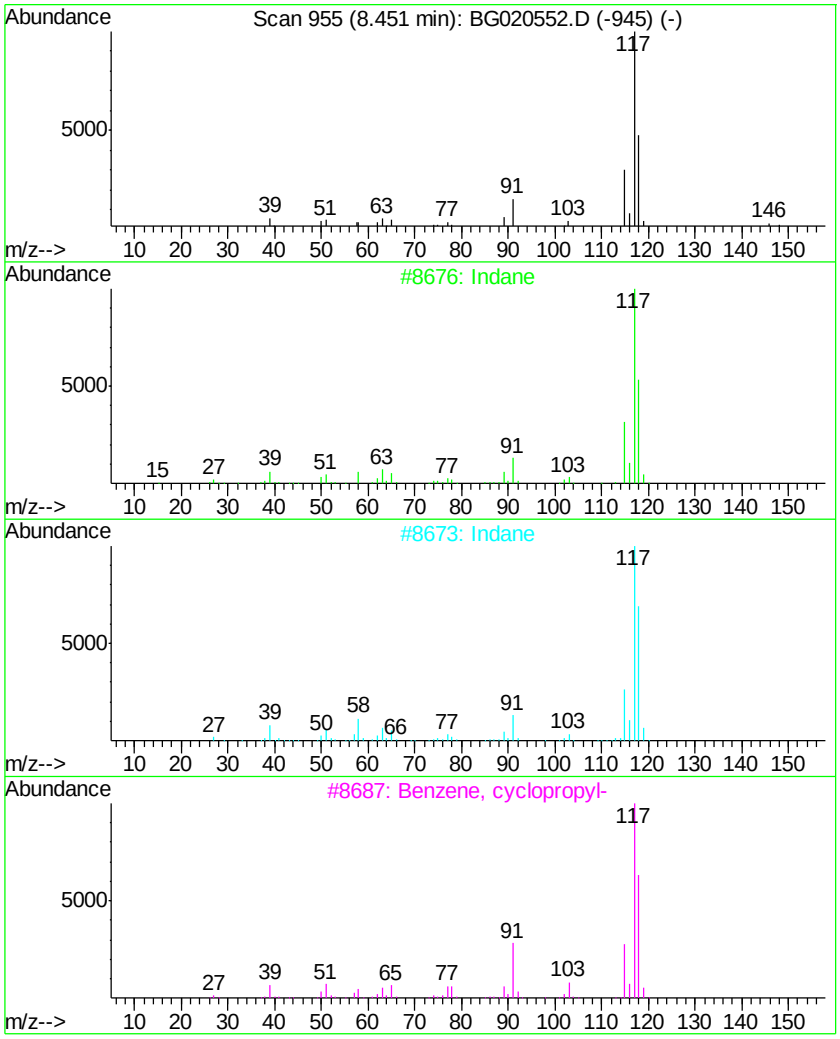
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

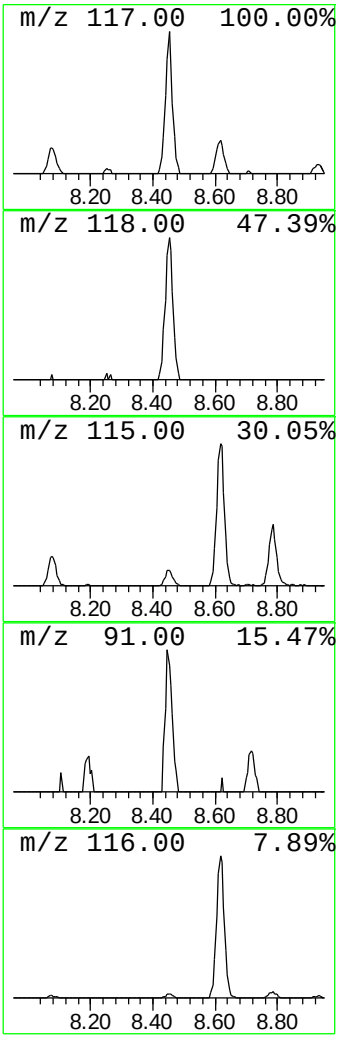
****

Peak Number 7 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	9.60 ng/ul	45960	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	83
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
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Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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

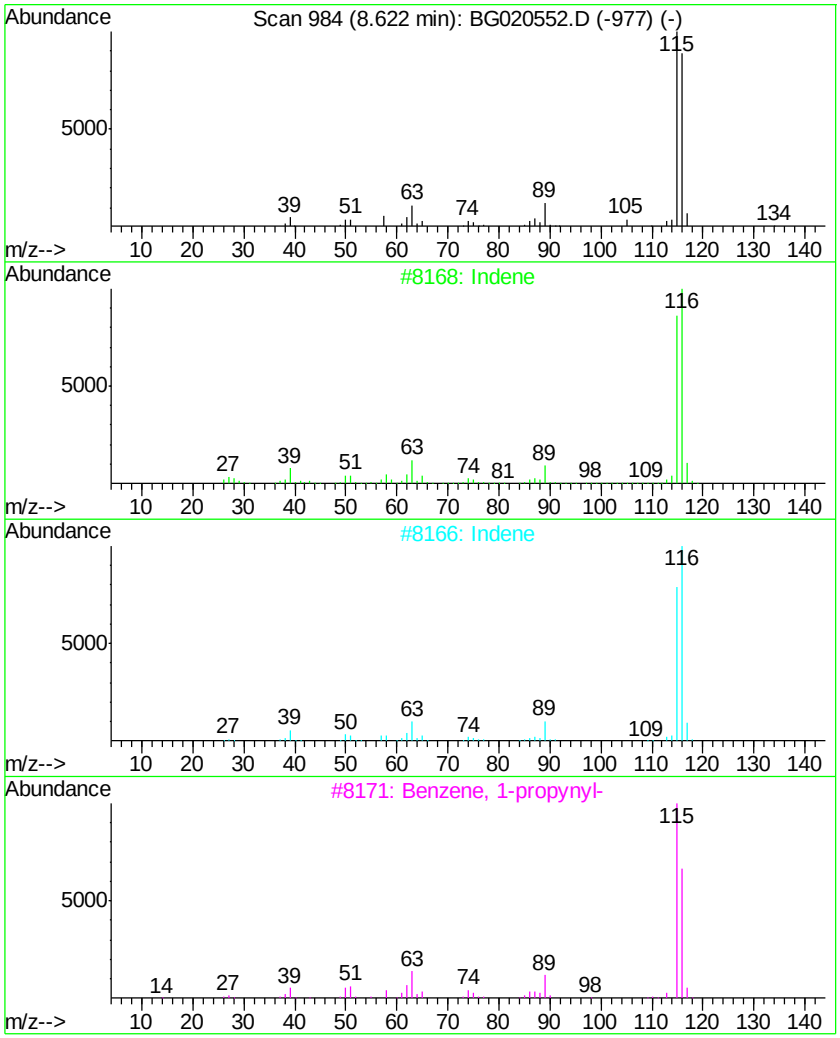
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

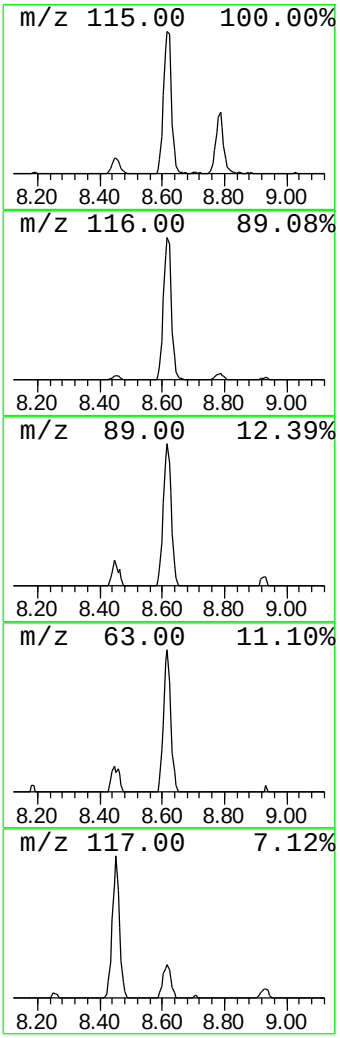
****

Peak Number 8 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	28.62 ng/ul	136961	1,4-Dichlorobenzene-d4	8.08

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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

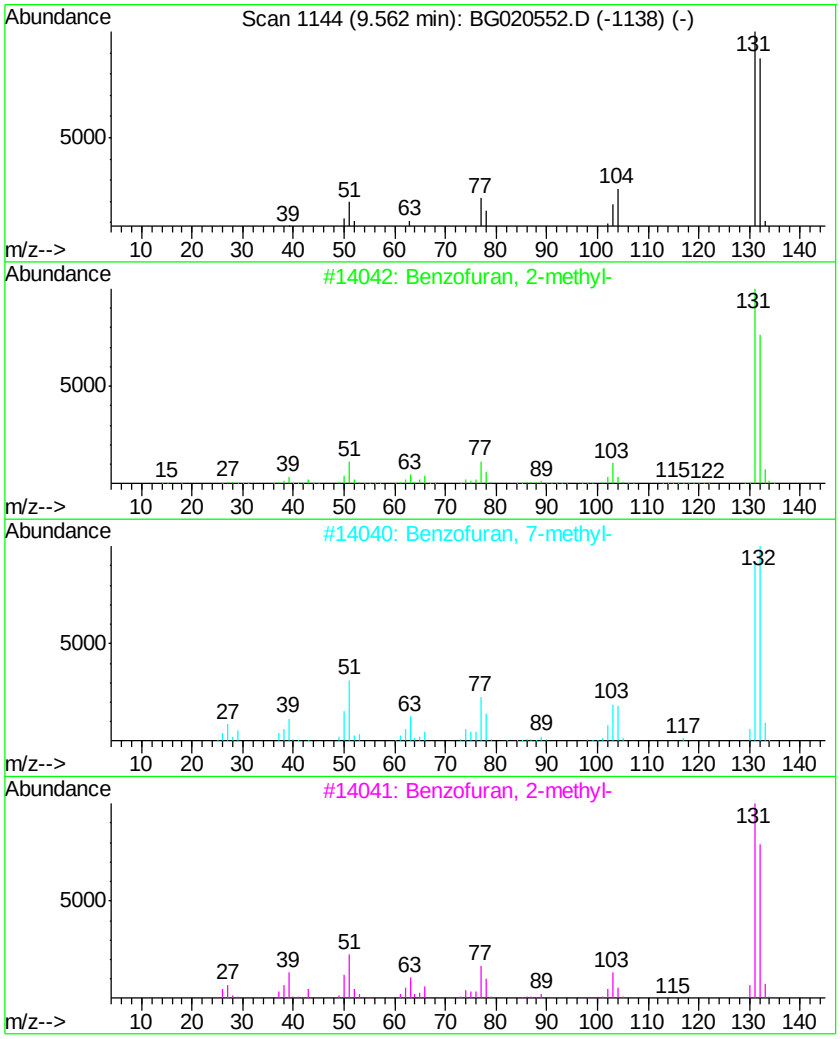
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

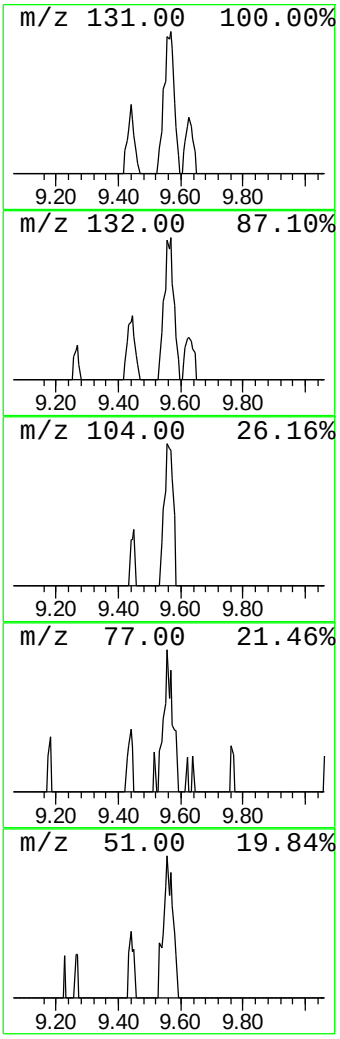
****

Peak Number 9 Benzofuran, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	2.34 ng/ul	16797	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87





Library Search Compound Report

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Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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

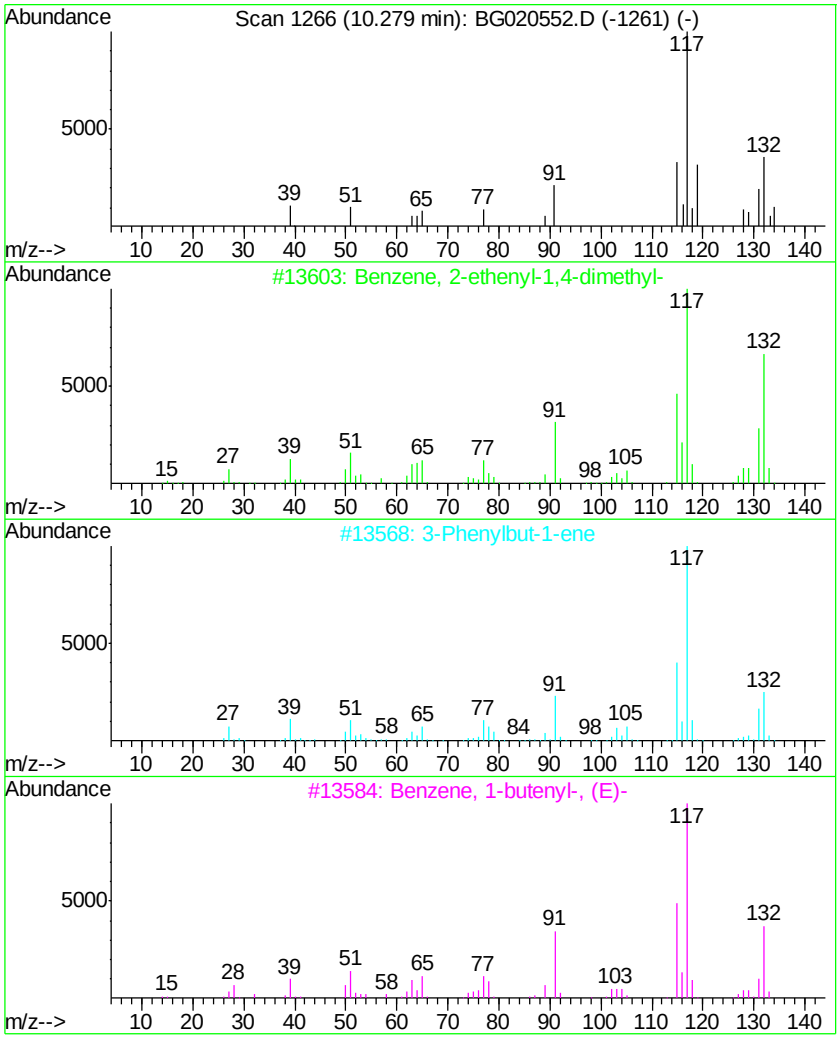
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

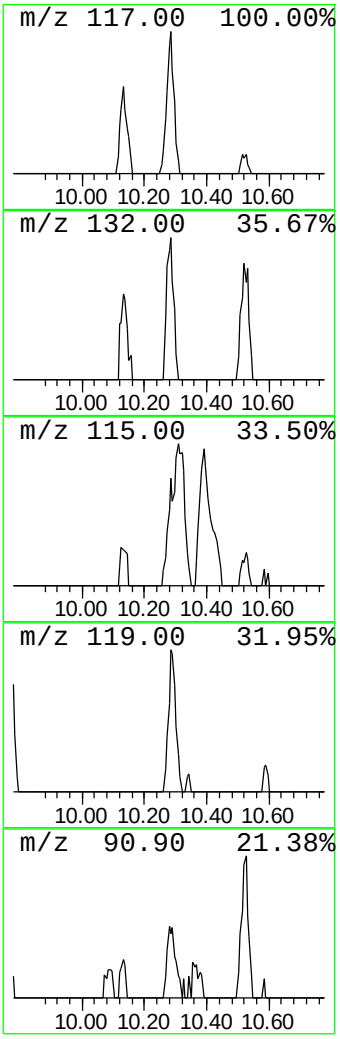
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	5.17 ng/ul	37115	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	62
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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

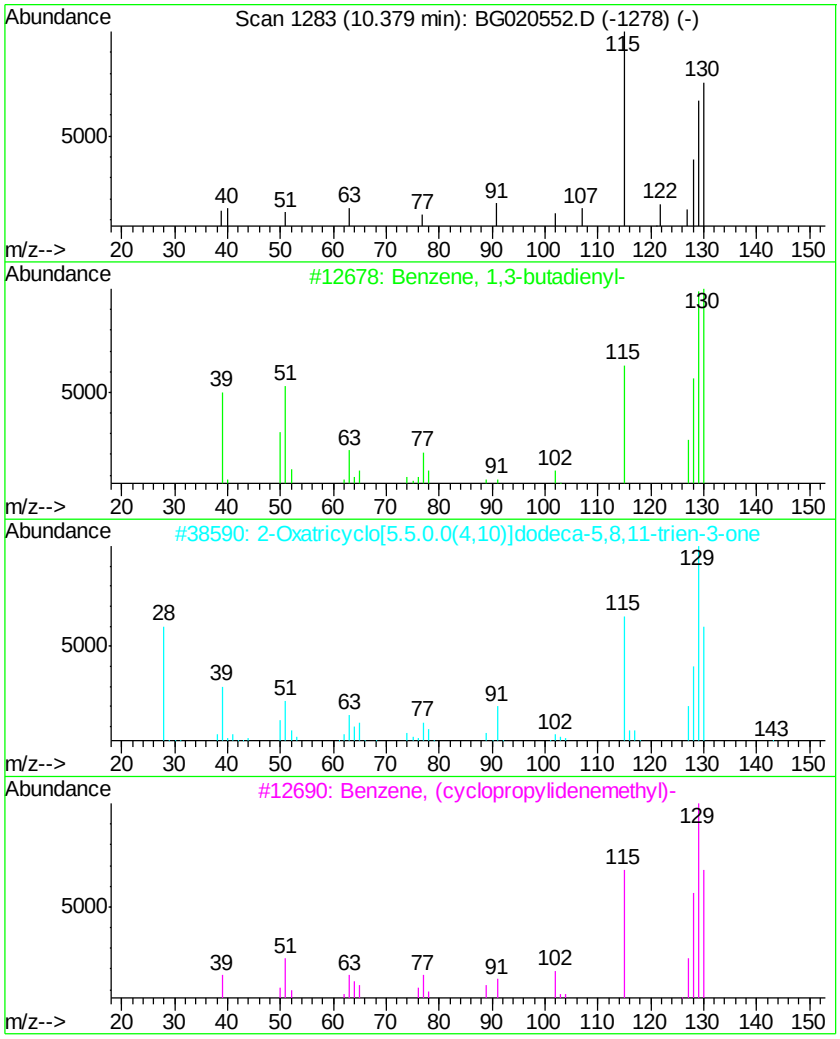
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

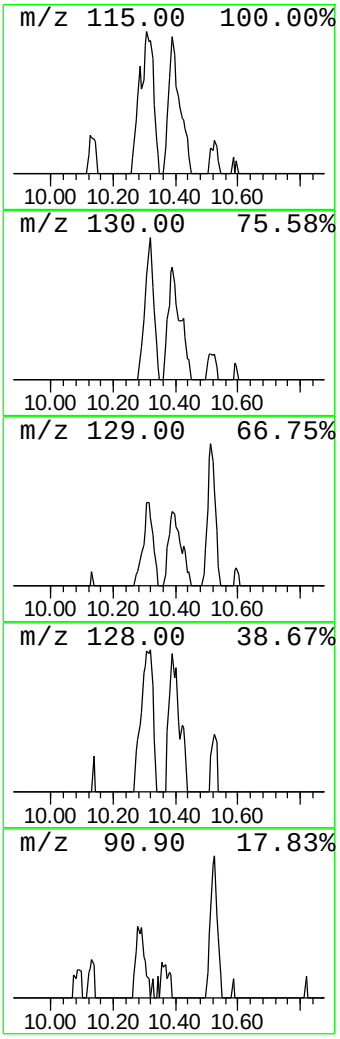
****

Peak Number 11 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	3.23 ng/ul	23217	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-butadienyl-	130	C10H10	001515-78-2	47
2	2-Oxatricyclo[5.5.0.0(4,10)]dode...	174	C11H10O2	056909-26-3	40
3	Benzene, (cyclopropylidenemethyl)-	130	C10H10	007555-67-1	37
4	Benzene, 1-cyclobuten-1-yl-	130	C10H10	003365-26-2	33
5	Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	9





Library Search Compound Report

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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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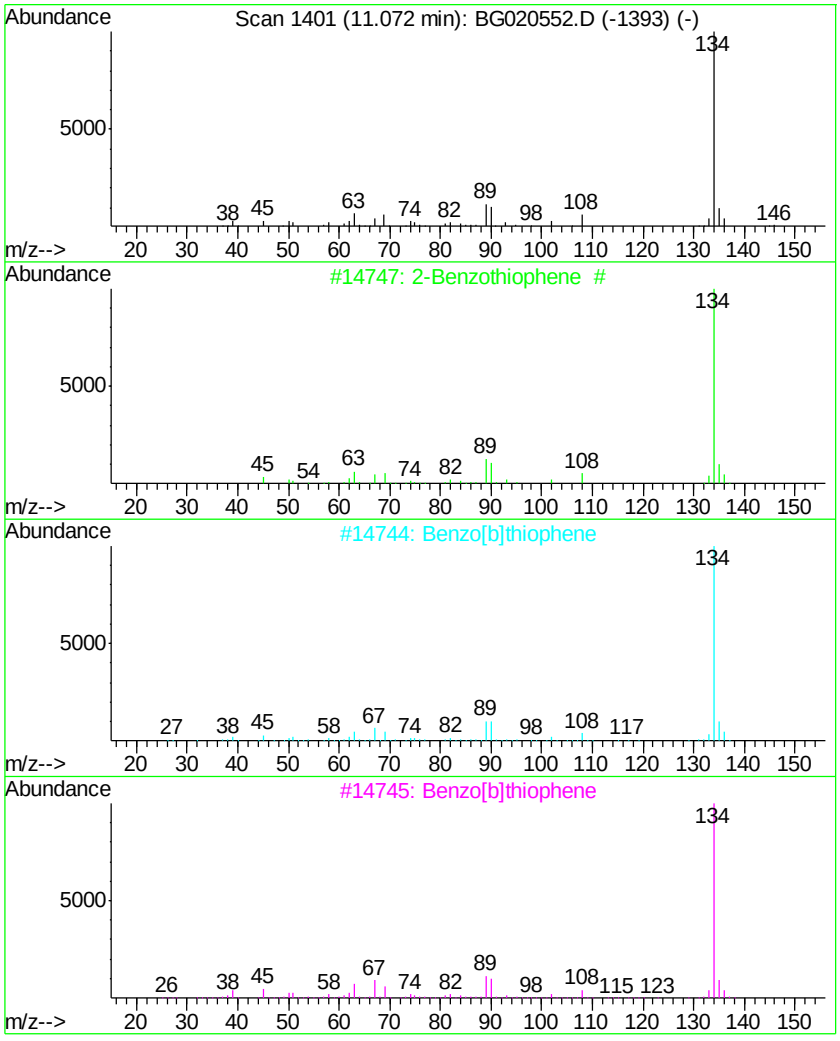
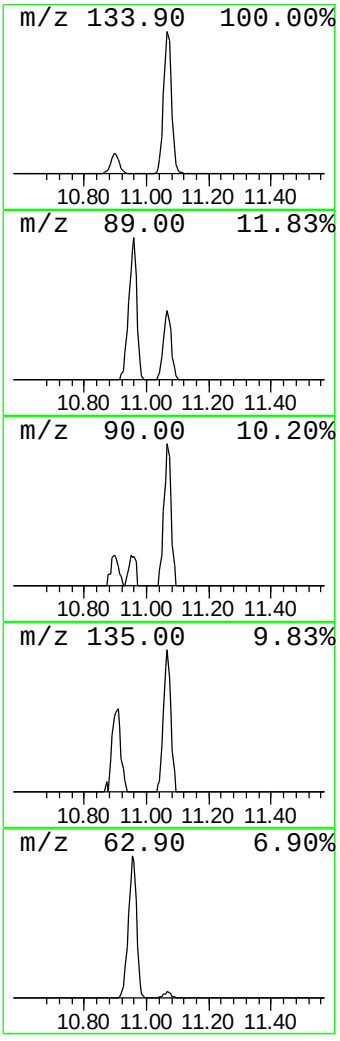
Peak Number 12 2-Benzothiophene # Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	15.07 ng/ul	108293	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	94
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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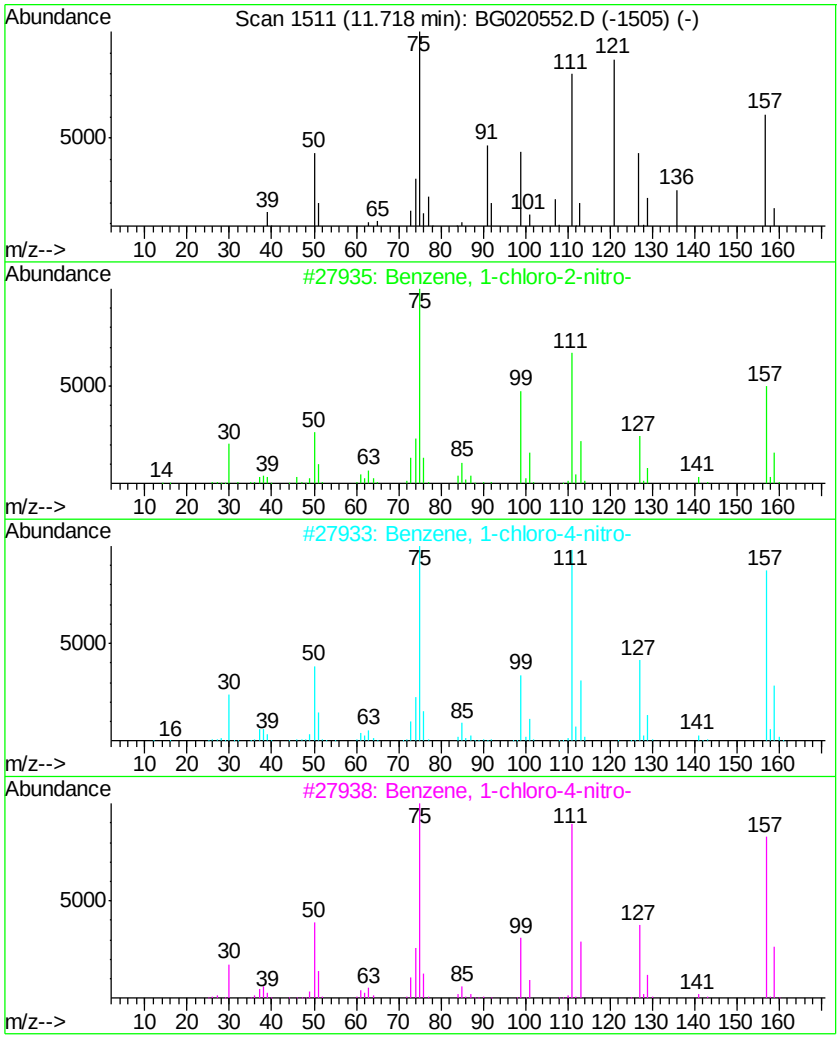
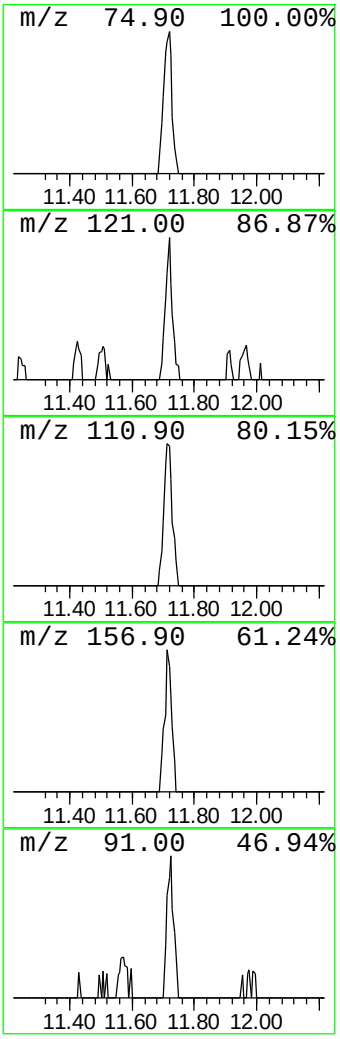
Peak Number 13 Benzene, 1-chloro-2-nitro- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	3.41 ng/ul	24483	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	89
2	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	76
3	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	76
4	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	64
5	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	46





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Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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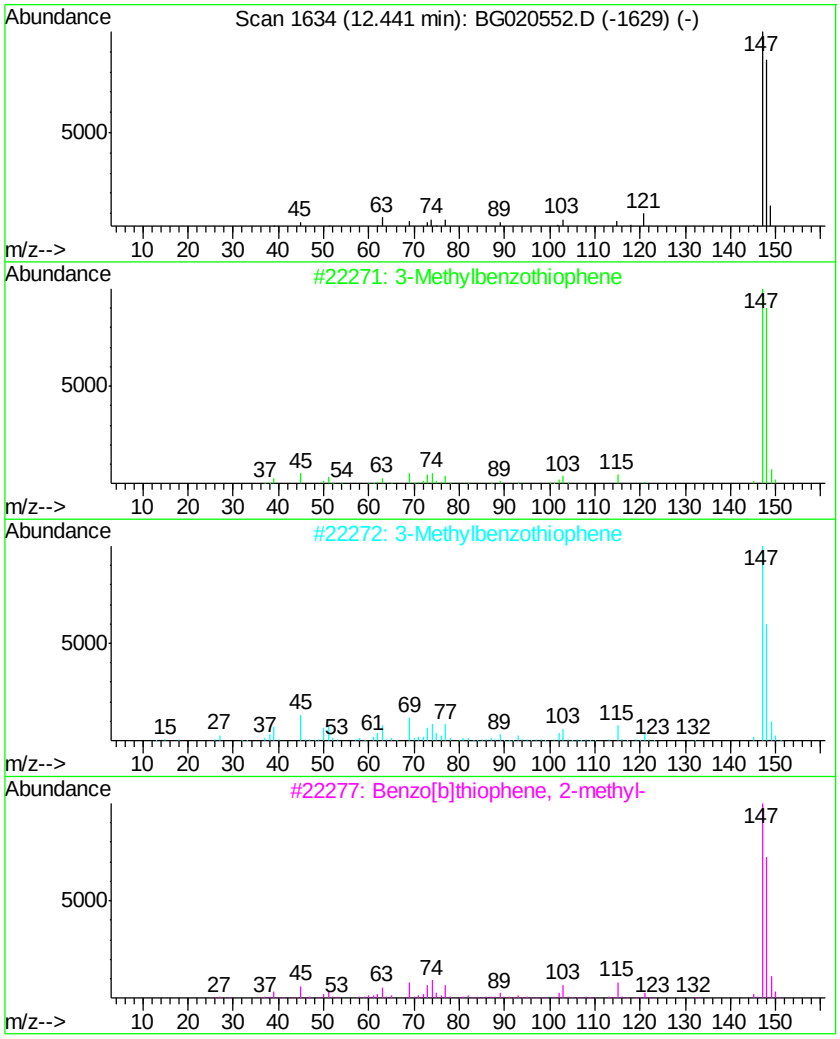
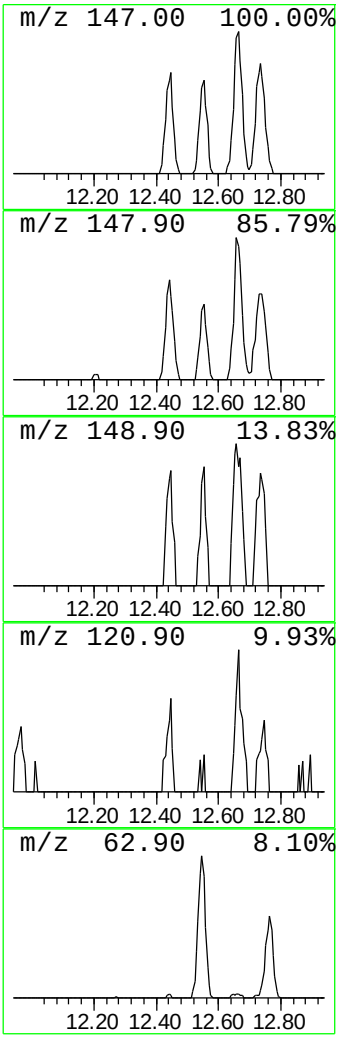
Peak Number 14 3-Methylbenzothiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.92 ng/ul	20956	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	86
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86
5	2-Propenoic acid, 3-phenyl-	148	C9H8O2	000621-82-9	72





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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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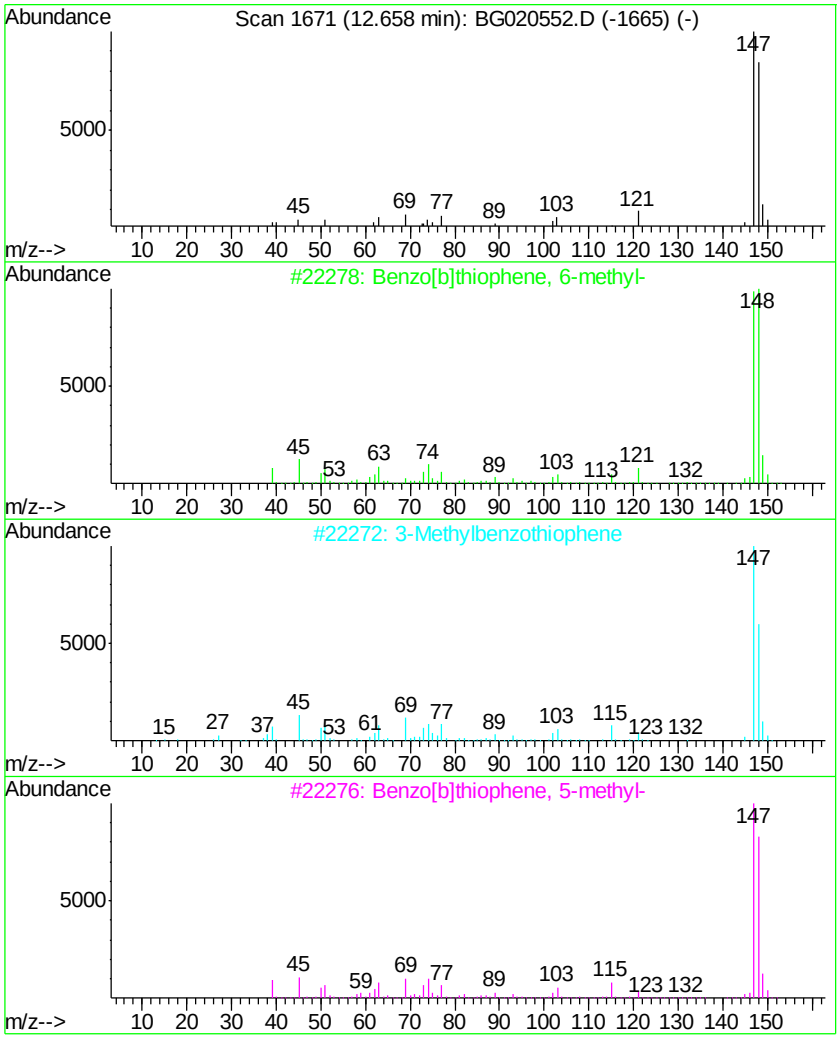
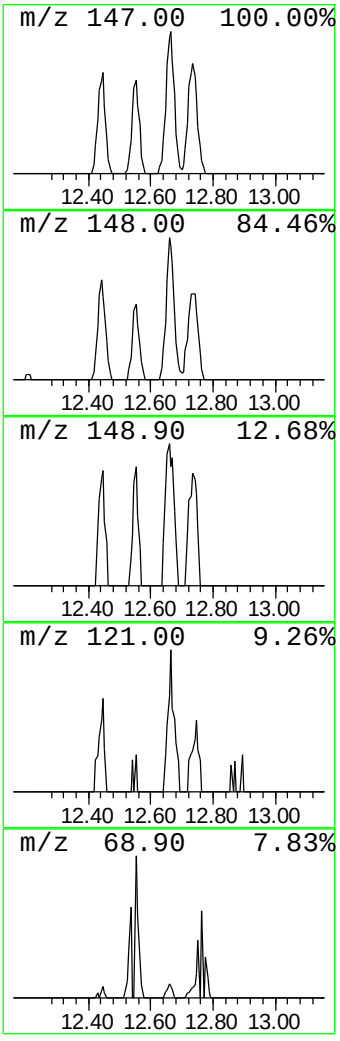
Peak Number 15 Benzo[b]thiophene, 6-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	4.34 ng/ul	31145	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86





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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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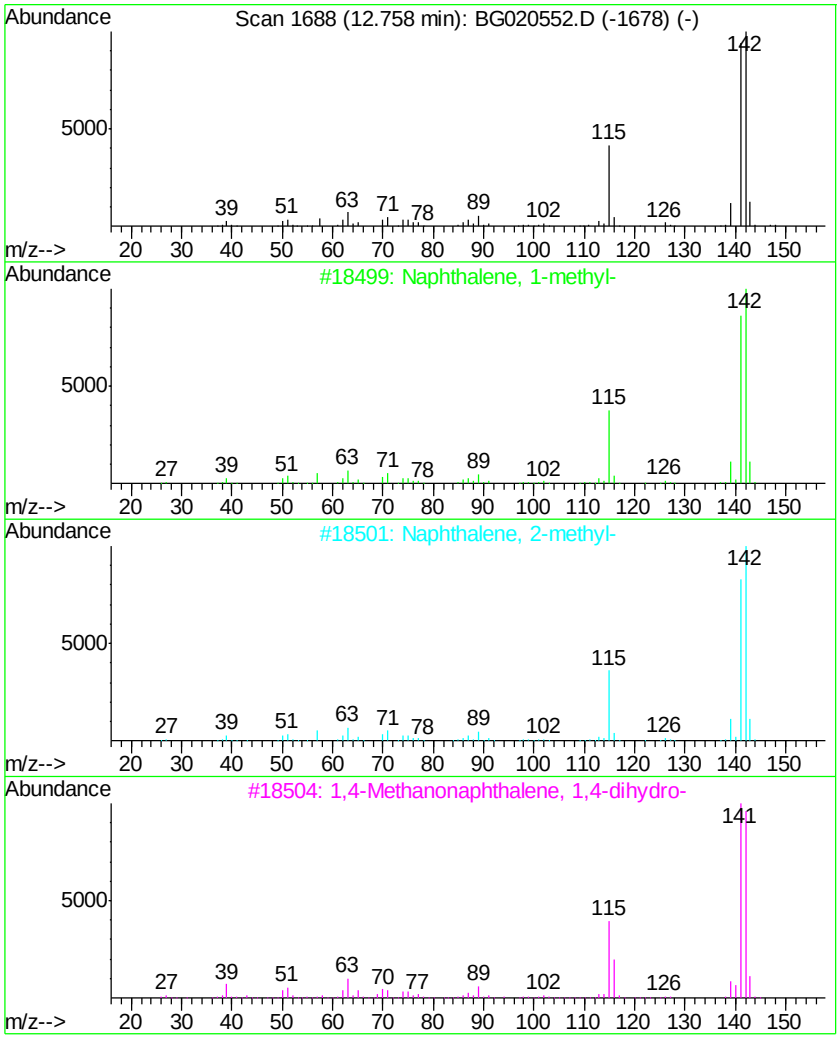
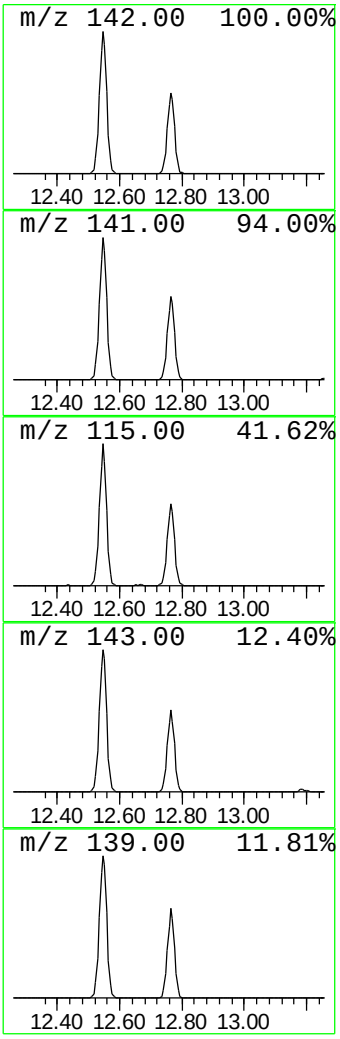
Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	82.80 ng/ul	594874	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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Library Search Compound Report

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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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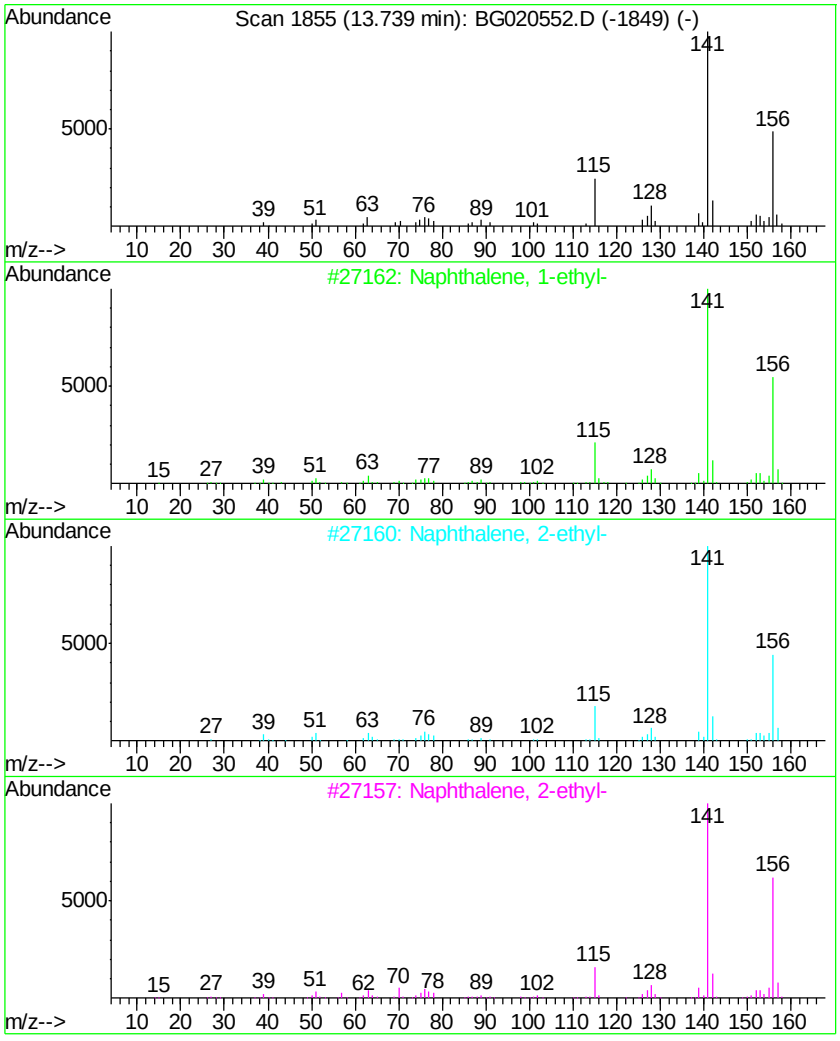
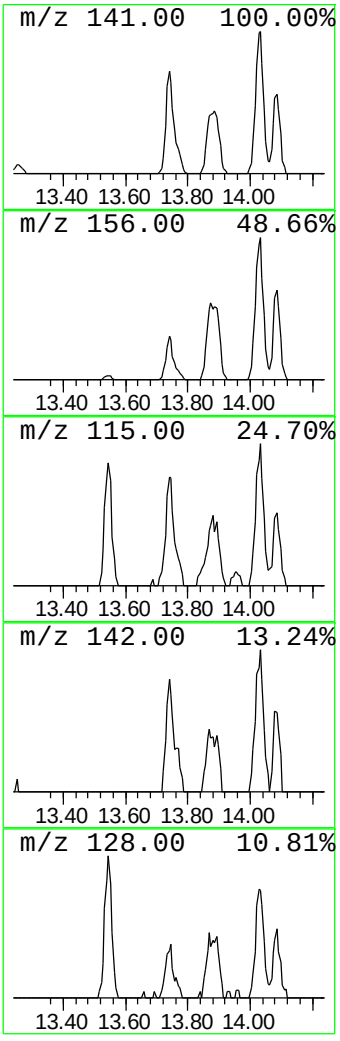
Peak Number 17 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	5.25 ng/ul	61275	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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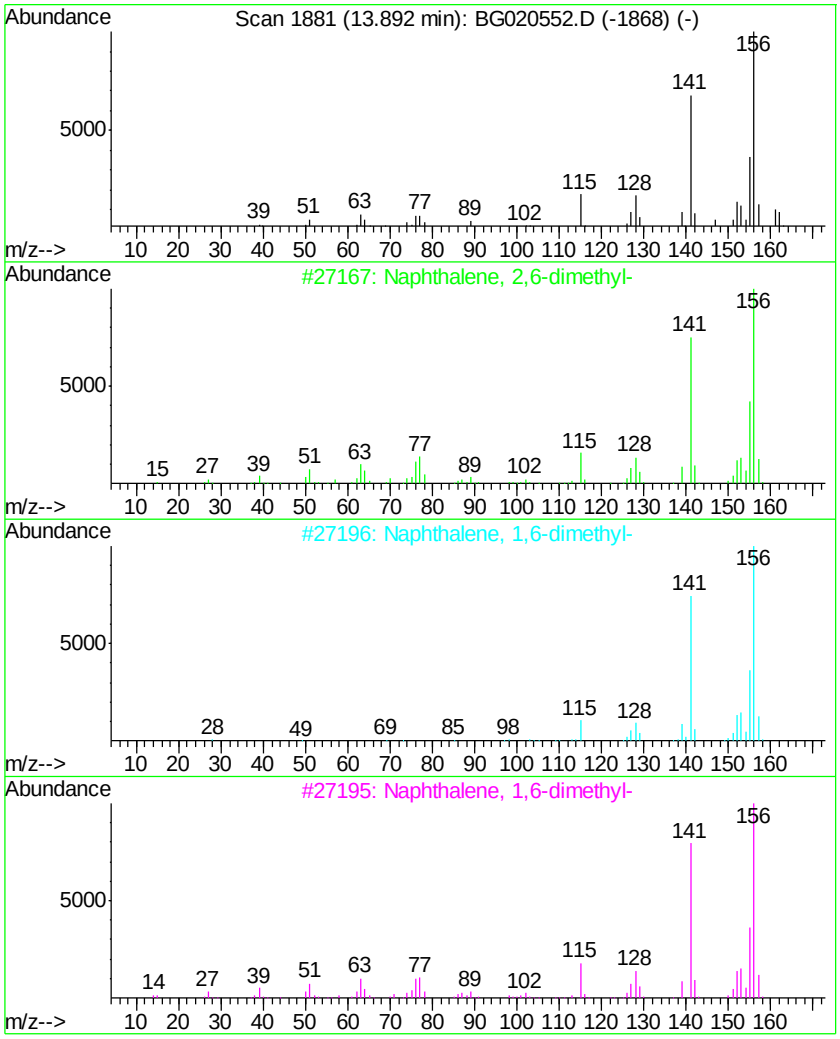
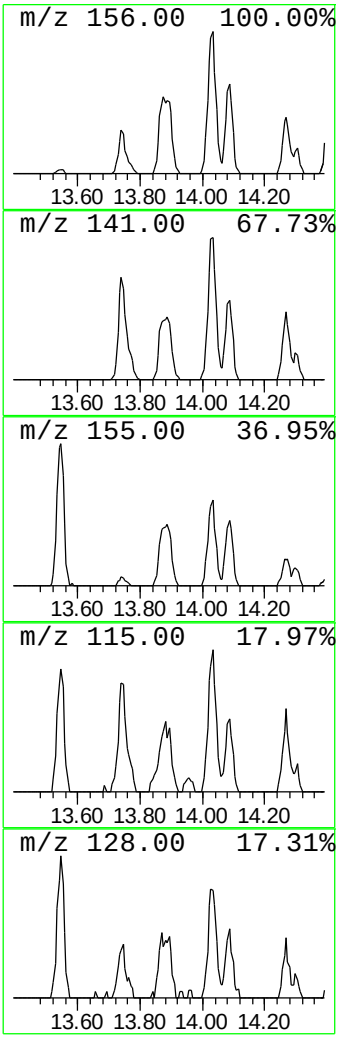
Peak Number 18 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	8.86 ng/ul	103318	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93





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Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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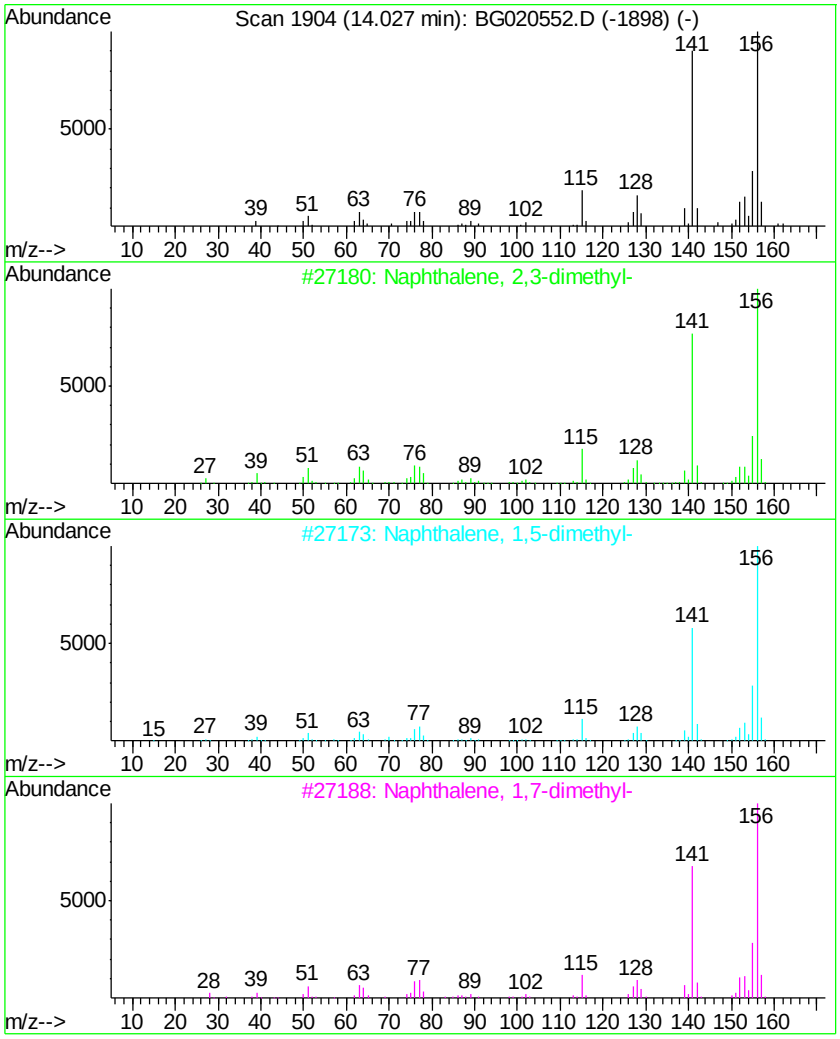
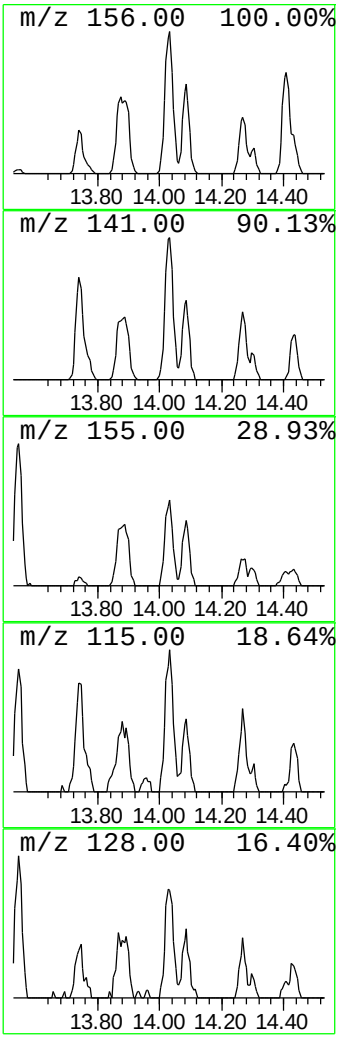
Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	11.02 ng/ul	128604	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, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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 21 1-Naphthalenecarbonitrile Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	5.92 ng/ul	69031	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	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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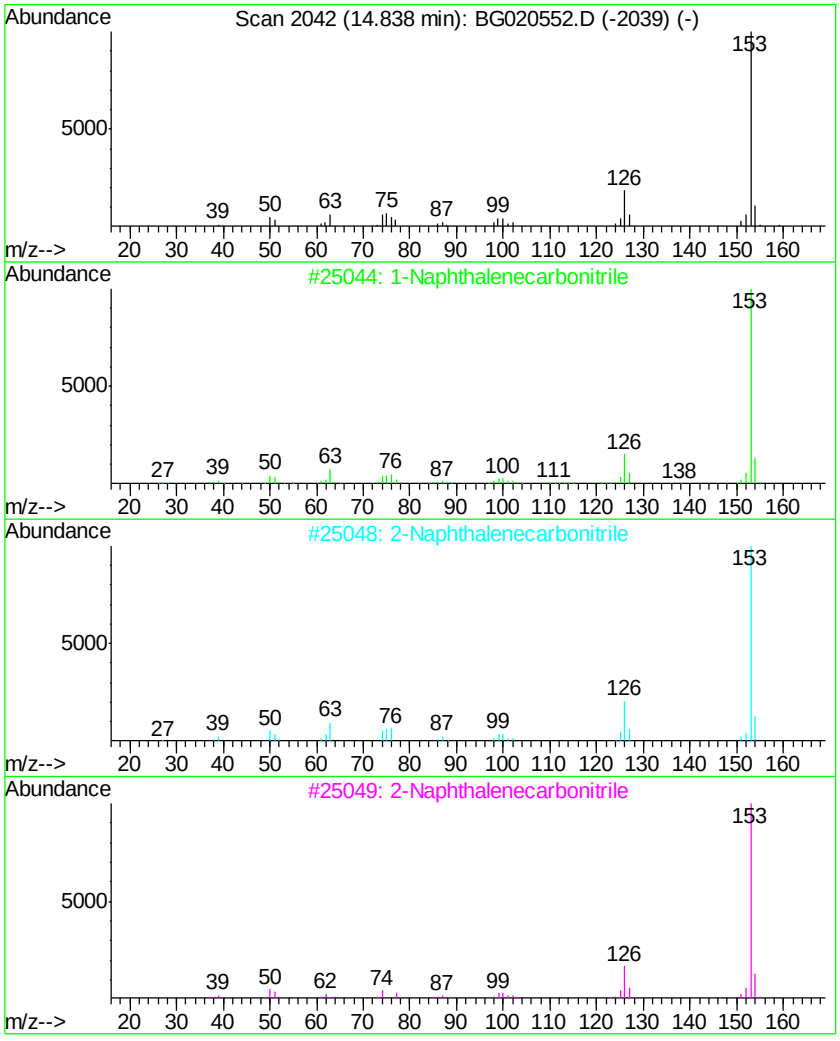

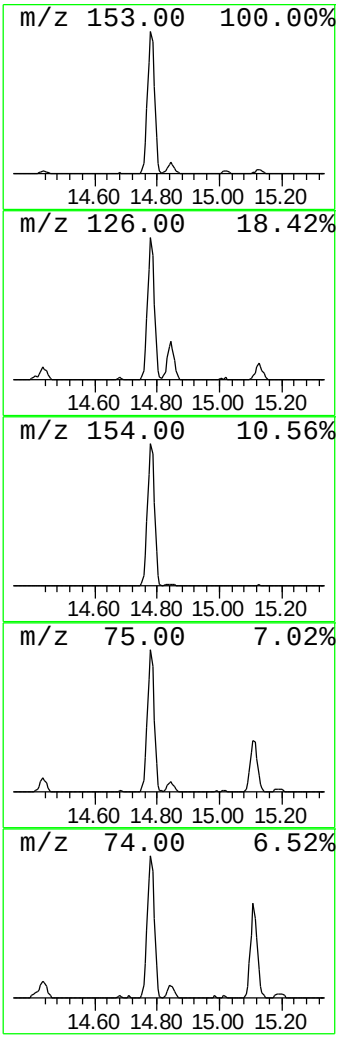

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Misc :
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Quant Title : SVOA CALIBRATION

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

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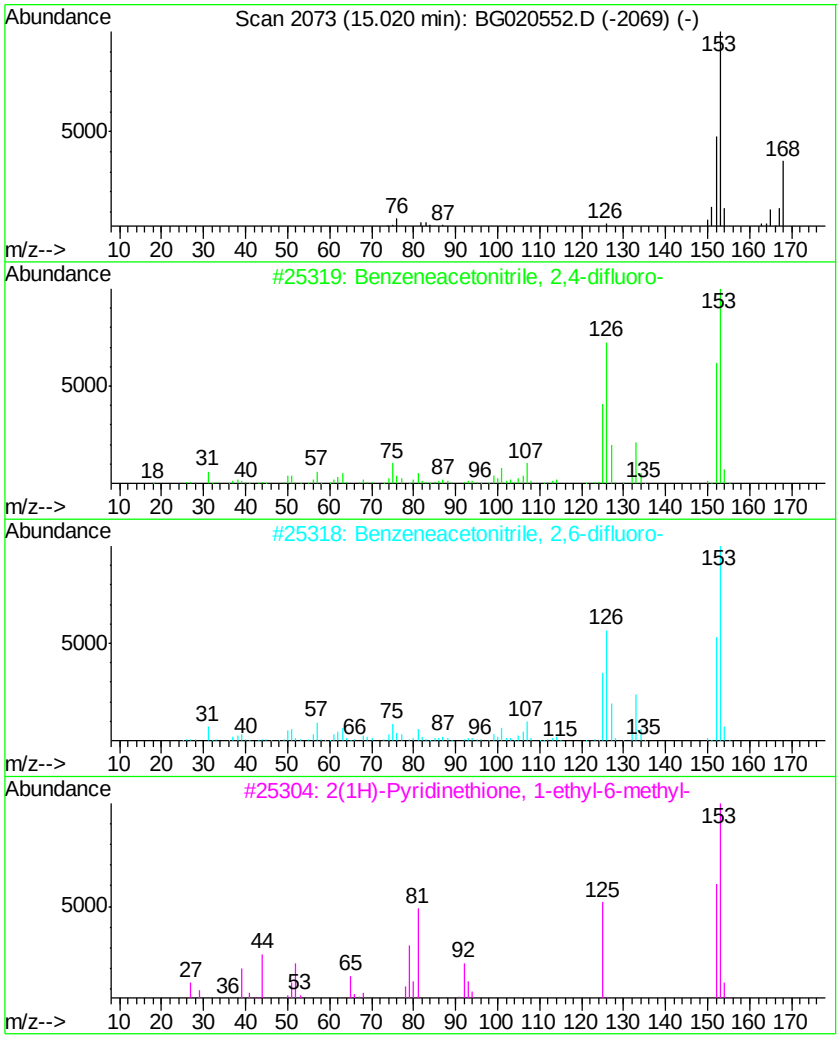
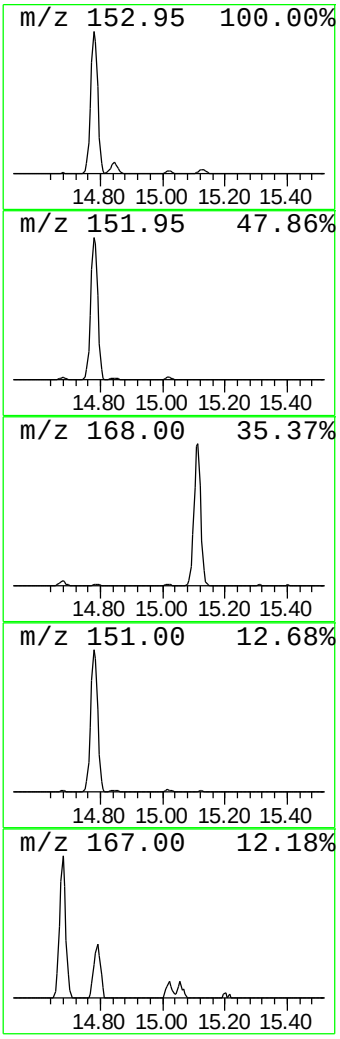
Peak Number 22 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.64 ng/ul	30760	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetonitrile, 2,4-difluoro-	153	C8H5F2N	000656-35-9	40
2	Benzeneacetonitrile, 2,6-difluoro-	153	C8H5F2N	000654-01-3	40
3	2(1H)-Pyridinethione, 1-ethyl-6-...	153	C8H11NS	019006-73-6	40
4	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	37
5	Benzeneacetonitrile, 2,5-difluoro-	153	C8H5F2N	069584-87-8	9





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Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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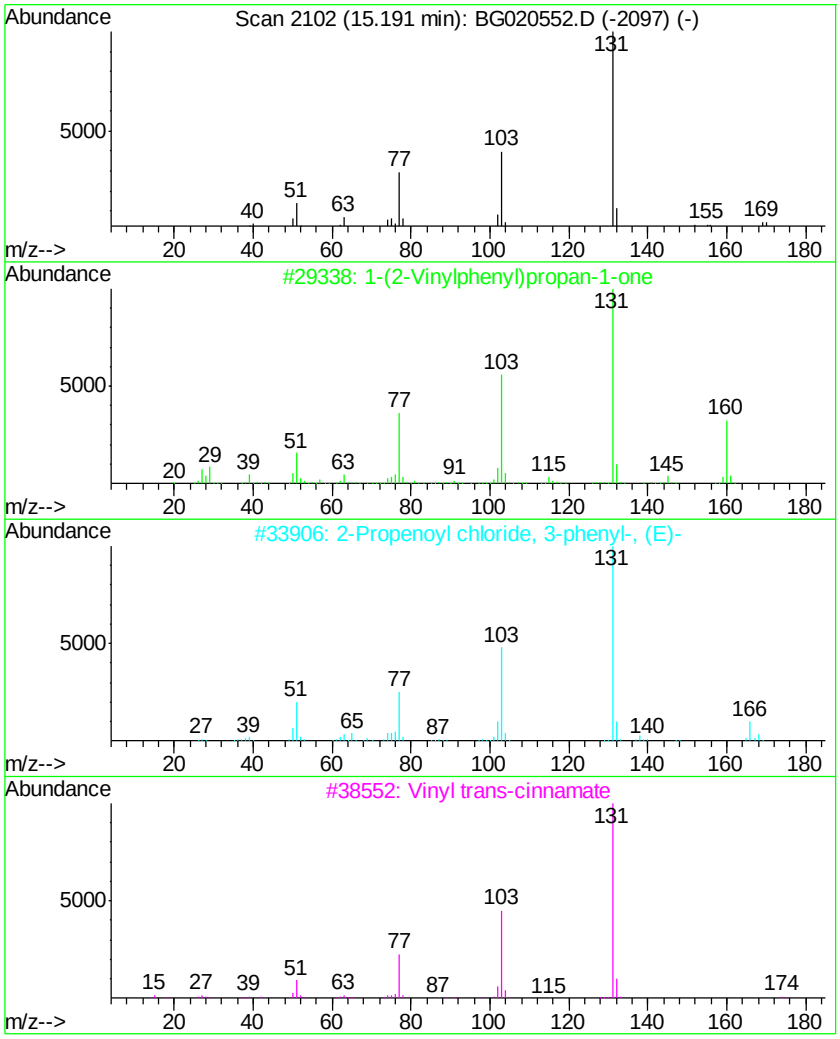
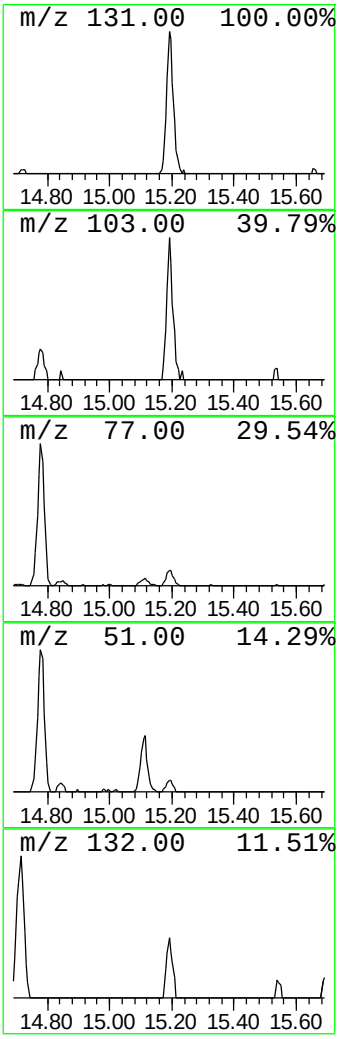
Peak Number 23 1-(2-Vinylphenyl)propan-1-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.77 ng/ul	32286	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Vinylphenyl)propan-1-one	160	C11H12O	052095-41-7	78
2	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	78
3	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	78
4	p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	78
5	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	78





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Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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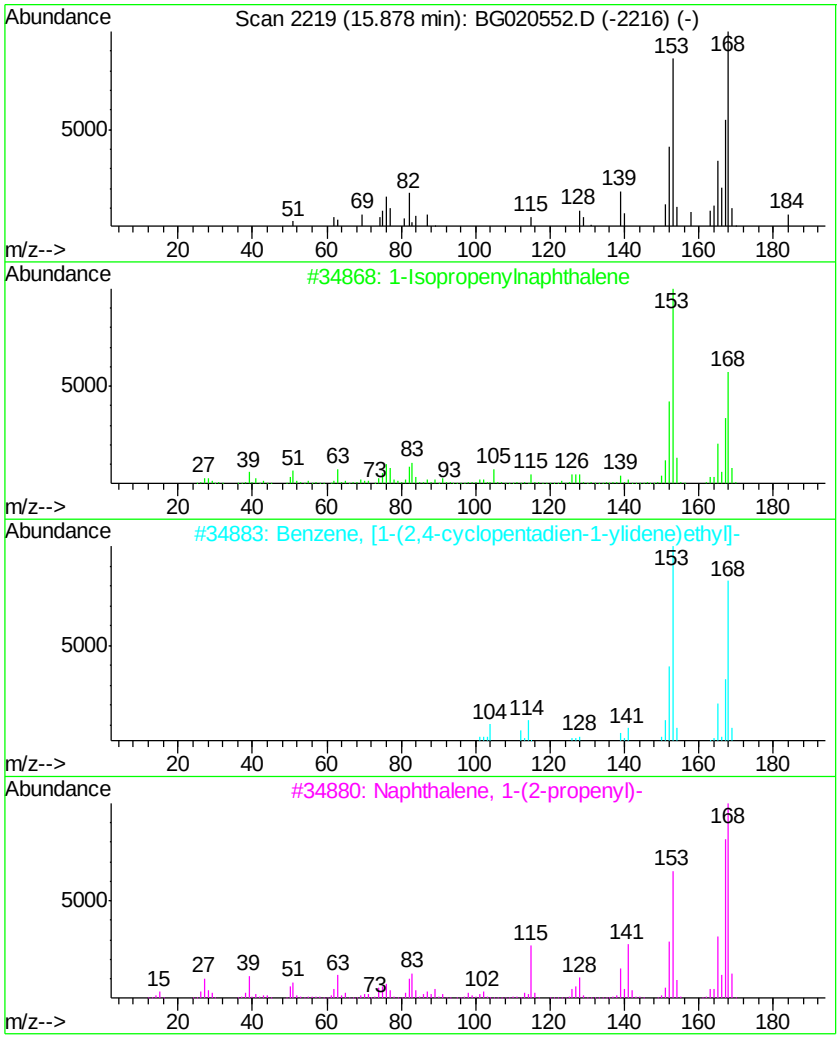
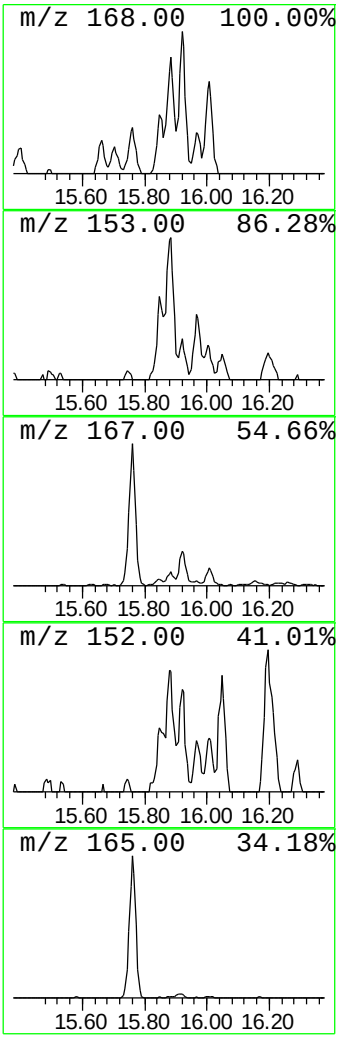
Peak Number 24 1-Isopropenylnaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	3.58 ng/ul	41798	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	81
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49





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Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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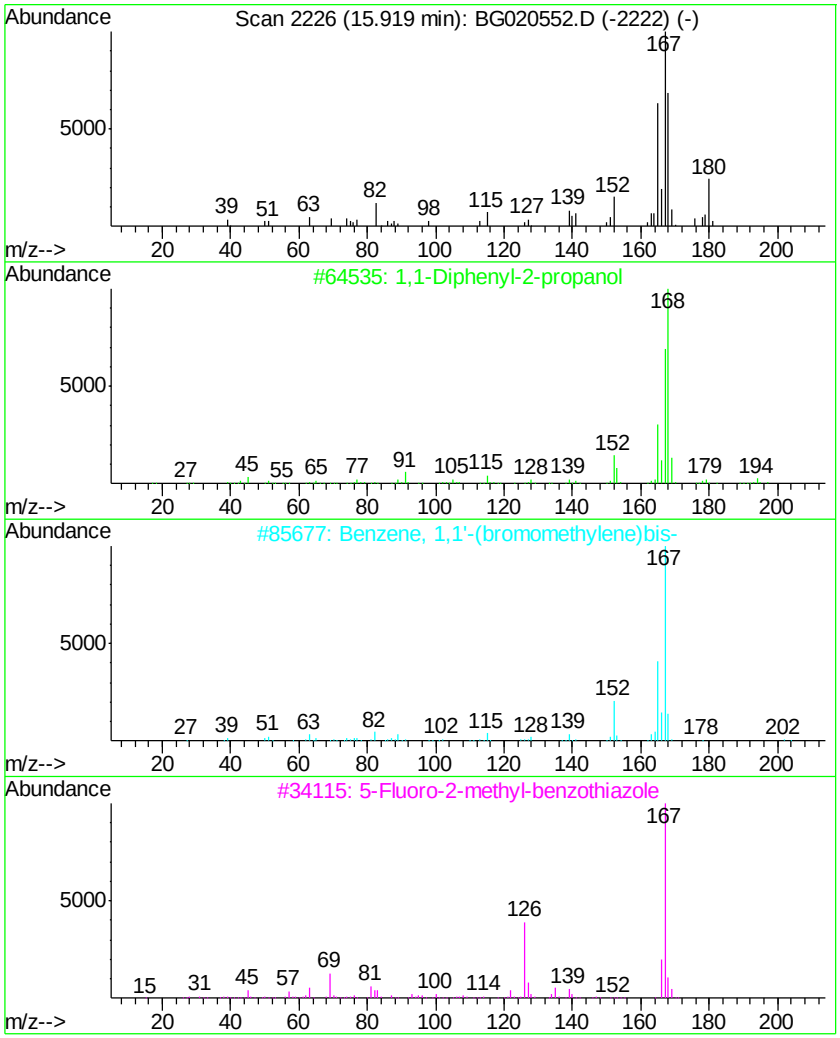
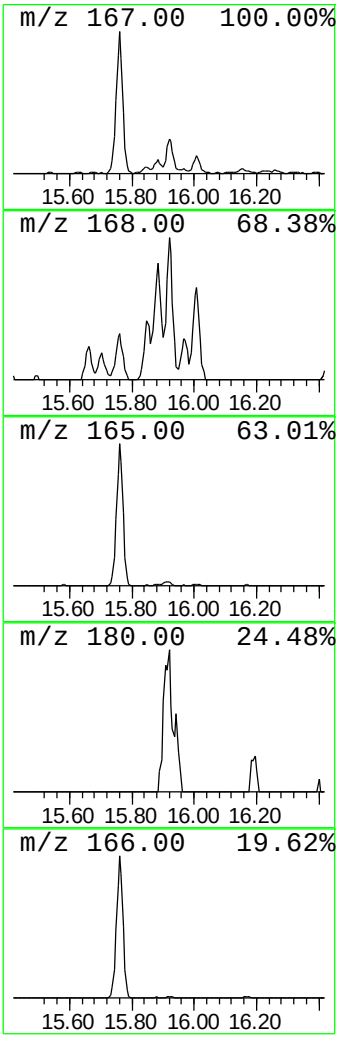
Peak Number 25 unknown-03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	5.60 ng/ul	65313	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	47
2	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	40
3	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	38
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	38
5	Thiazolo[3,2-a]pyridinium, 2,3-d...	167	C8H9NOS	023003-43-2	38





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Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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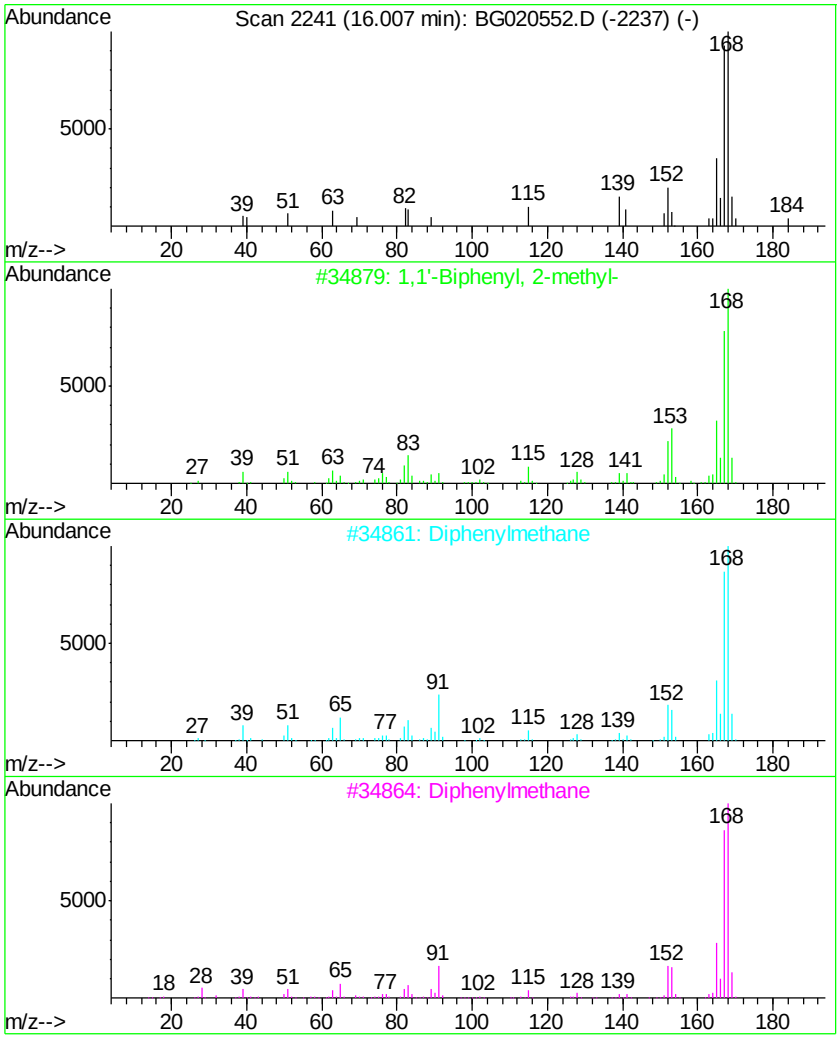
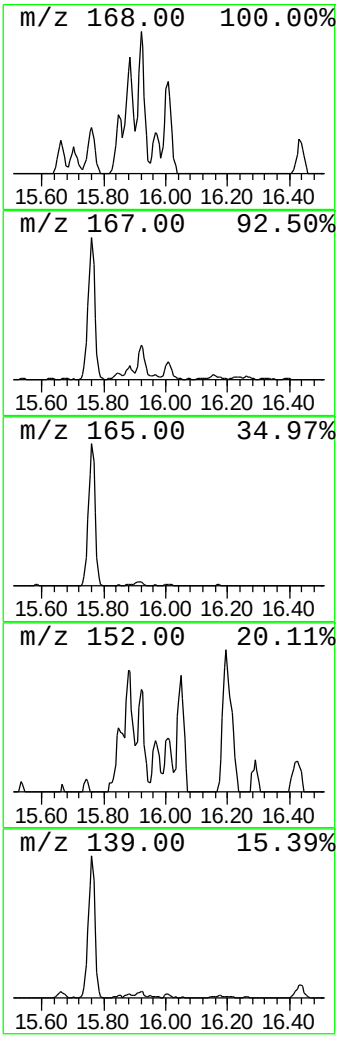
Peak Number 26 1,1'-Biphenyl, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.25 ng/ul	26292	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
2	Diphenylmethane	168	C13H12	000101-81-5	83
3	Diphenylmethane	168	C13H12	000101-81-5	83
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80
5	Diphenylmethane	168	C13H12	000101-81-5	80





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Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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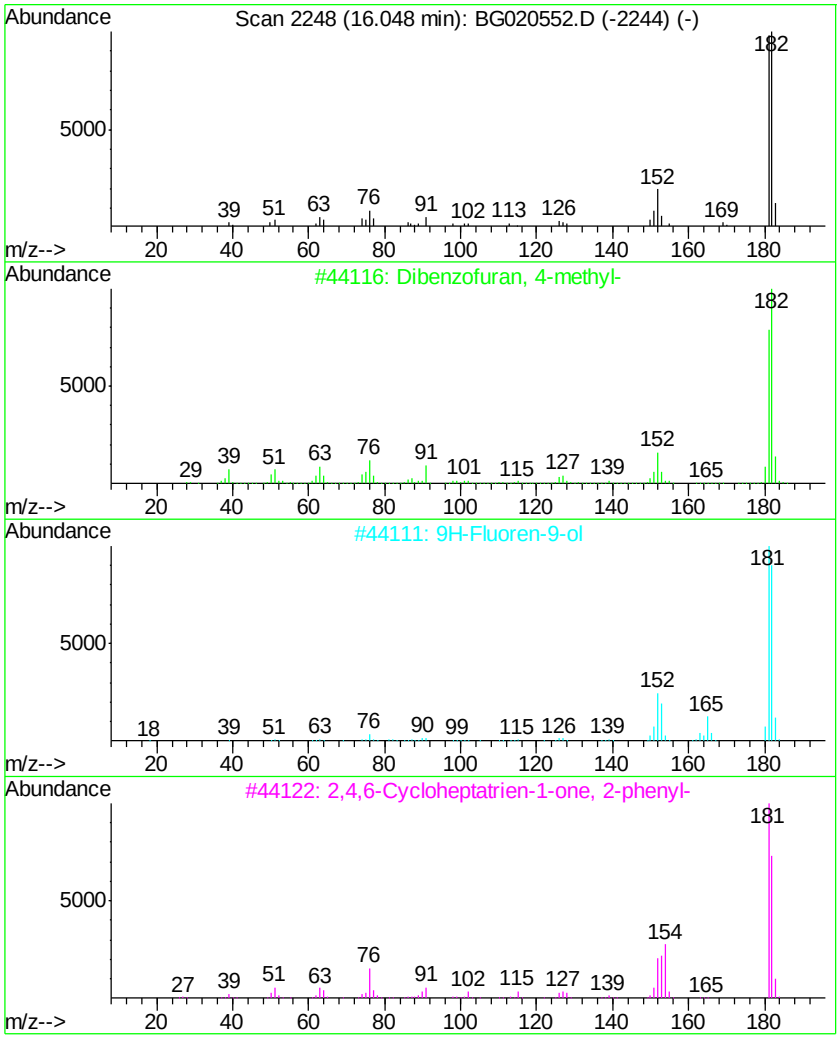
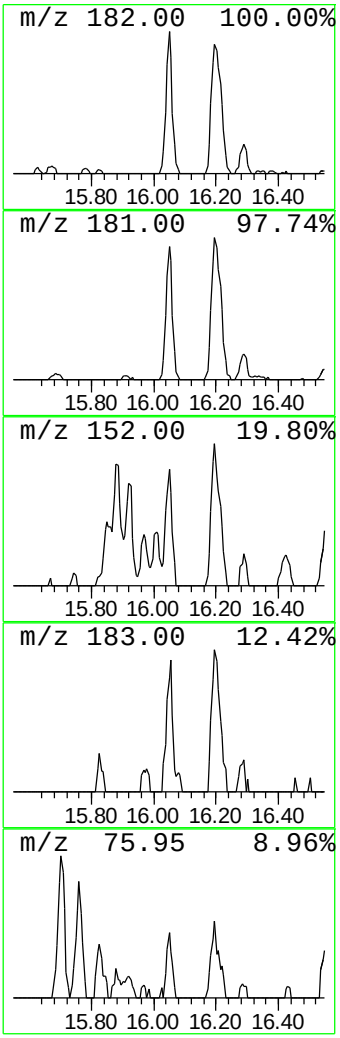
Peak Number 27 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	4.47 ng/ul	52162	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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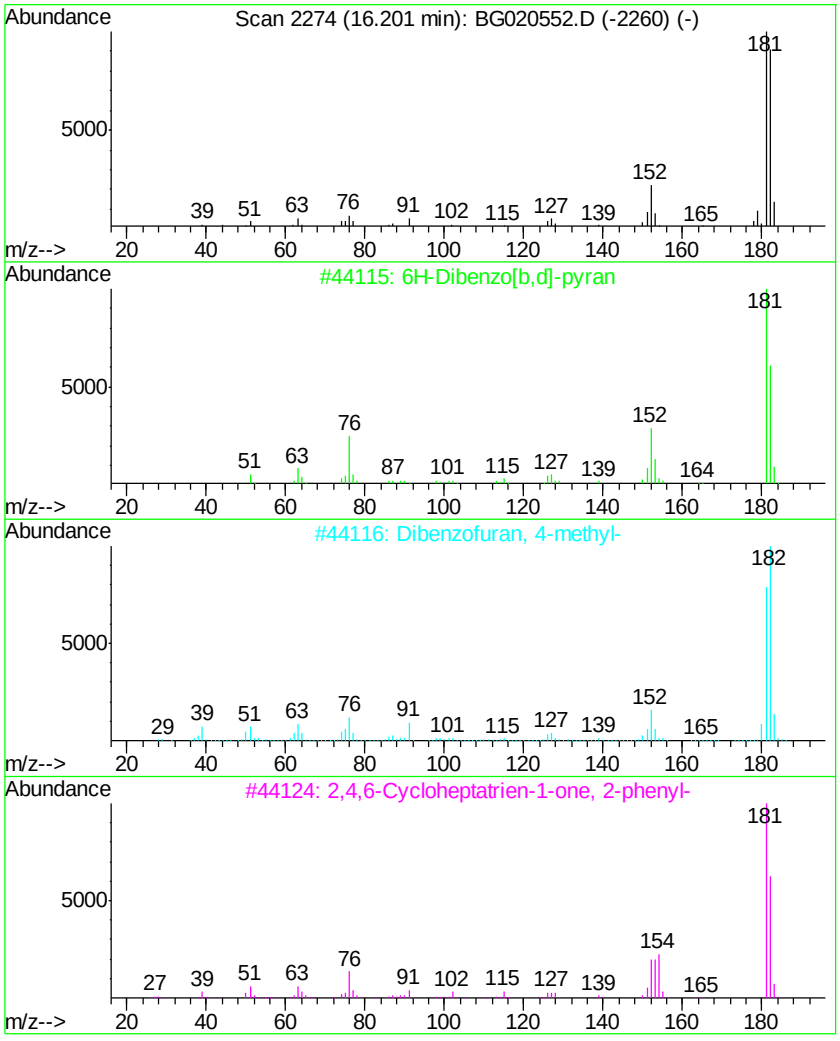
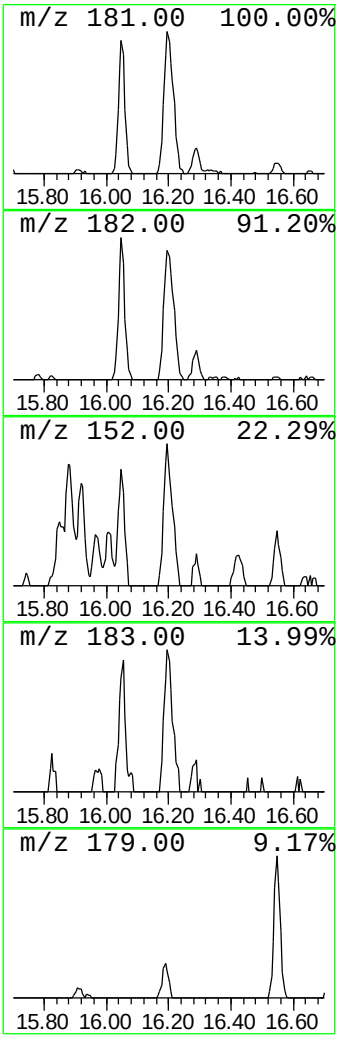
Peak Number 28 6H-Dibenzo[b,d]-pyran Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	5.51 ng/ul	92114	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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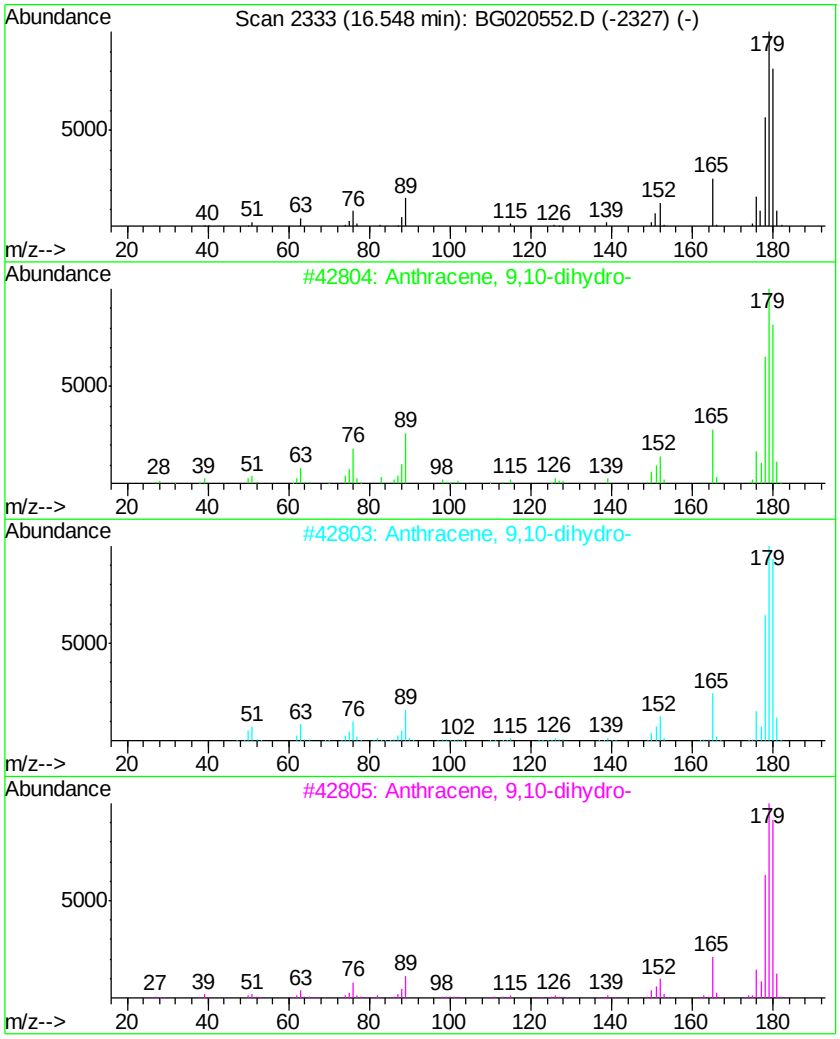
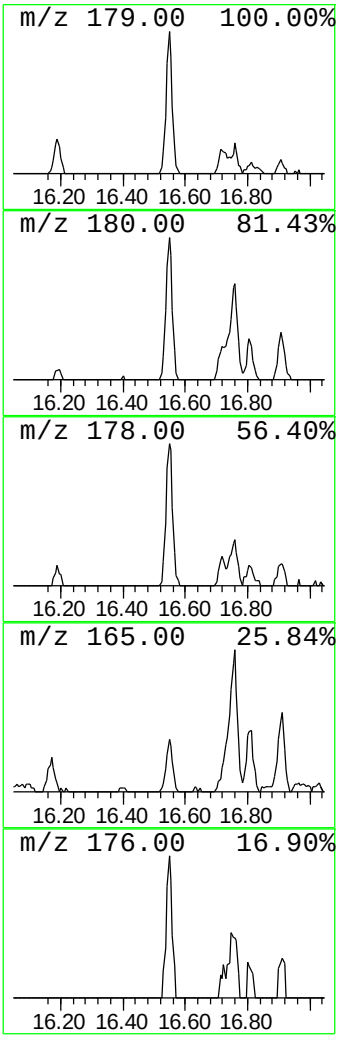
Peak Number 29 Anthracene, 9,10-dihydro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	2.97 ng/ul	49716	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	64
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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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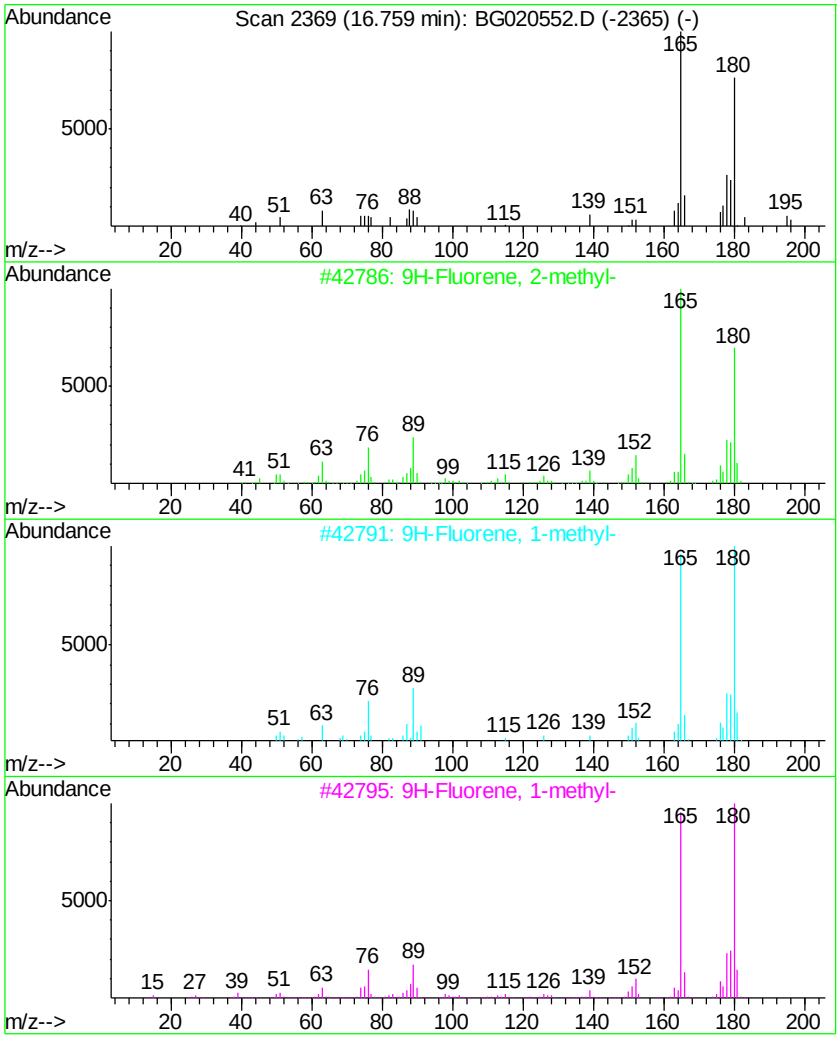
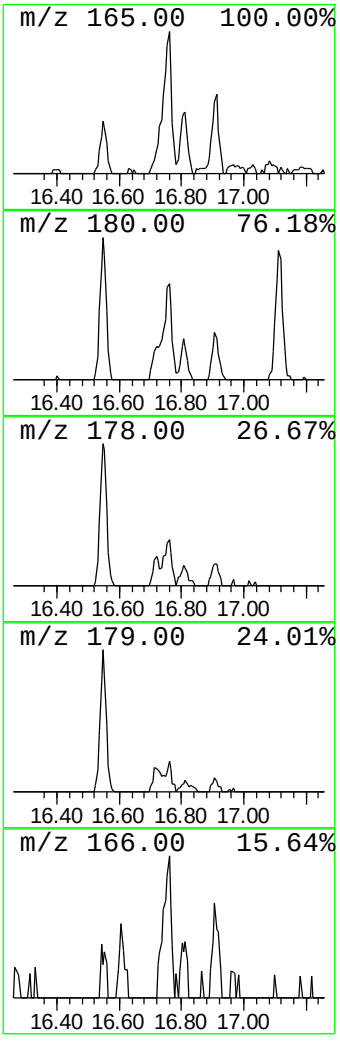
Peak Number 30 9H-Fluorene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.20 ng/ul	36756	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020552.D
Acq On : 27 Dec 2015 12:39
Operator : UM/SJ
Sample : G4846-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N62

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...	3.18	7.3	ng/ul	34910	1	8.08	95713	20.0
Indane	8.45	9.6	ng/ul	45960	1	8.08	95713	20.0
Indene	8.62	28.6	ng/ul	136961	1	8.08	95713	20.0
Benzofuran, 2-met...	9.56	2.3	ng/ul	16797	2	10.90	143684	20.0
Benzene, 2-etheny...	10.28	5.2	ng/ul	37115	2	10.90	143684	20.0
unknown-01	10.38	3.2	ng/ul	23217	2	10.90	143684	20.0
2-Benzothiophene #	11.07	15.1	ng/ul	108293	2	10.90	143684	20.0
Benzene, 1-chloro...	11.72	3.4	ng/ul	24483	2	10.90	143684	20.0
3-Methylbenzothio...	12.44	2.9	ng/ul	20956	2	10.90	143684	20.0
Benzo[b]thiophene...	12.66	4.3	ng/ul	31145	2	10.90	143684	20.0
Naphthalene, 1-me...	12.76	82.8	ng/ul	594874	2	10.90	143684	20.0
Naphthalene, 1-et...	13.74	5.3	ng/ul	61275	3	14.71	233331	20.0
Naphthalene, 2,6-...	13.89	8.9	ng/ul	103318	3	14.71	233331	20.0
Naphthalene, 2,3-...	14.03	11.0	ng/ul	128604	3	14.71	233331	20.0
1-Naphthalenecarb...	14.84	5.9	ng/ul	69031	3	14.71	233331	20.0
unknown-02	15.02	2.6	ng/ul	30760	3	14.71	233331	20.0
1-(2-Vinylphenyl)...	15.19	2.8	ng/ul	32286	3	14.71	233331	20.0
1-Isopropenylnaph...	15.88	3.6	ng/ul	41798	3	14.71	233331	20.0
unknown-03	15.92	5.6	ng/ul	65313	3	14.71	233331	20.0
1,1'-Biphenyl, 2-...	16.01	2.3	ng/ul	26292	3	14.71	233331	20.0
Dibenzofuran, 4-m...	16.05	4.5	ng/ul	52162	3	14.71	233331	20.0
6H-Dibenzo[b,d]-p...	16.20	5.5	ng/ul	92114	4	17.46	334387	20.0
Anthracene, 9,10-...	16.55	3.0	ng/ul	49716	4	17.46	334387	20.0
9H-Fluorene, 2-me...	16.76	2.2	ng/ul	36756	4	17.46	334387	20.0