LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.084	887	893	903	rVB	68957	122413	2.37%	0.345%
2	8.460	951	957	964	rBB	24659	40882	0.79%	0.115%
3	8.625	978	985	995	rBB	55313	95776	1.85%	0.270%
4	10.293	1263	1269	1279	rBV4	15309	41894	0.81%	0.118%
5	10.905	1366	1373	1376	rBV	98709	186646	3.61%	0.526%
6	10.963	1376	1383	1394	rVV	1346968	2505370	48.47%	7.061%
7	11.075	1394	1402	1412	rVB	40888	75157	1.45%	0.212%
8	12.556	1644	1654	1665	rBV	833244	1347758	26.08%	3.799%
9	12.773	1679	1691	1700	rVB	389004	653461	12.64%	1.842%
10	13.549	1816	1823	1830	rBV	242260	382262	7.40%	1.077%
11	13.748	1850	1857	1867	rVB	91064	171031	3.31%	0.482%
12	13.878	1870	1879	1880	rBV2	121527	171056	3.31%	0.482%
13	14.036	1897	1906	1911	rBV	183496	327122	6.33%	0.922%
14	14.089	1911	1915	1924	rVV	120930	203331	3.93%	0.573%
15	14.271	1937	1946	1950	rBV	76527	119329	2.31%	0.336%
16	14.436	1964	1974	1983	rBB2	74173	130982	2.53%	0.369%
17	14.682	2011	2016	2019	rBV	112808	175317	3.39%	0.494%
18	14.718	2019	2022	2027	rVV2	173654	262341	5.08%	0.739%
19	14.788	2027	2034	2040	rVV	1333202	2079417	40.23%	5.861%
20	14.847	2040	2044	2050	rVB	48767	71995	1.39%	0.203%
21	14.917	2050	2056	2065	rBV2	29027	66925	1.29%	0.189%
22	15.023	2065	2074	2079	rVV2	53739	101622	1.97%	0.286%
23	15.117	2083	2090	2097	rVV	858588	1353529	26.19%	3.815%
24	15.182	2097	2101	2110	rVB	40540	64907	1.26%	0.183%
25	15.329	2117	2126	2130	rBV3	31477	57404	1.11%	0.162%
26	15.382	2130	2135	2146	rVB3	34083	54190	1.05%	0.153%
27	15.499	2147	2155	2158	rBV3	26366	52194	1.01%	0.147%
28	15.675	2181	2185	2189	rVV2	28508	47289	0.91%	0.133%
29	15.769	2193	2201	2209	rVV	1149509	1828572	35.38%	5.154%
30	15.858	2209	2216	2218	rVV2	58743	95948	1.86%	0.270%
31	15.887	2218	2221	2224	rVV2	95293	149726	2.90%	0.422%
32	15.922	2224	2227	2232	rVV2	166766	261142	5.05%	0.736%
33	15.975	2232	2236	2238	rVV2	40805	62570	1.21%	0.176%
34	16.010	2238	2242	2245	rVV	84511	133003	2.57%	0.375%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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

35	16.051	2245	2249	2258	rVB	174184	276995	5.36%	0.781%
36	16.198	2258	2274	2282	rBV	184898	416850	8.07%	1.175%
37	16.292	2287	2290	2296	rVB	31987	45677	0.88%	0.129%
38	16.557	2329	2335	2341	rVB	106209	164595	3.18%	0.464%
39	16.762	2358	2370	2375	rBV2	140525	327143	6.33%	0.922%
40	16.809	2375	2378	2384	rVB3	46221	67151	1.30%	0.189%
41	16.915	2390	2396	2400	rVB2	57049	103086	1.99%	0.291%
42	16.986	2400	2408	2412	rBV2	48725	119178	2.31%	0.336%
43	17.027	2412	2415	2419	rVB2	43324	56177	1.09%	0.158%
44	17.115	2426	2430	2436	rVB5	23728	44680	0.86%	0.126%
45	17.191	2436	2443	2445	rBV2	63367	112696	2.18%	0.318%
46	17.279	2453	2458	2475	rVB	251075	417268	8.07%	1.176%
47	17.467	2483	2490	2492	rBV	218093	348303	6.74%	0.982%
48	17.520	2492	2499	2504	rVV	2993414	5168393	100.00%	14.567%
49	17.567	2504	2507	2508	rVV2	50698	64003	1.24%	0.180%
50	17.597	2508	2512	2517	rVV	266372	411105	7.95%	1.159%
51	17.650	2517	2521	2526	rVV2	24849	52432	1.01%	0.148%
52	17.867	2551	2558	2566	rVV	150759	276372	5.35%	0.779%
53	17.979	2572	2577	2583	rBV2	57651	93132	1.80%	0.262%
54	18.043	2583	2588	2597	rVB5	25741	57790	1.12%	0.163%
55	18.178	2602	2611	2621	rVB2	25095	64185	1.24%	0.181%
56	18.337	2633	2638	2642	rVV	261299	376754	7.29%	1.062%
57	18.384	2642	2646	2652	rVB	360259	506261	9.80%	1.427%
58	18.466	2652	2660	2665	rBV	112928	189353	3.66%	0.534%
59	18.537	2665	2672	2683	rVB2	467329	932197	18.04%	2.627%
60	18.831	2717	2722	2727	rVV	200958	285579	5.53%	0.805%
61	19.071	2758	2763	2767	rVB3	42999	57546	1.11%	0.162%
62	19.124	2767	2772	2775	rBV	34503	42250	0.82%	0.119%
63	19.160	2775	2778	2782	rVB2	33747	42430	0.82%	0.120%
64	19.242	2787	2792	2797	rBV	74595	134616	2.60%	0.379%
65	19.312	2798	2804	2807	rBV2	34024	57999	1.12%	0.163%
66	19.383	2812	2816	2825	rVB2	25220	66280	1.28%	0.187%
67	19.518	2831	2839	2845	rBV	1942047	2961948	57.31%	8.348%
68	19.606	2850	2854	2858	rVB	37516	47815	0.93%	0.135%
69	19.753	2873	2879	2888	rVB2	67655	129464	2.50%	0.365%
70	19.847	2888	2895	2896	rBV2	390185	577477	11.17%	1.628%
71	19.876	2896	2900	2907	rVB	1236038	1884016	36.45%	5.310%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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

72	19.941	2907	2911	2917	rVB2	74109	120139	2.32%	0.339%
73	20.047	2917	2929	2934	rBV	89471	142500	2.76%	0.402%
74	20.182	2947	2952	2953	rBV	74553	95125	1.84%	0.268%
75	20.247	2960	2963	2969	rVB2	36572	48989	0.95%	0.138%
76	20.358	2977	2982	2987	rVB	258848	401708	7.77%	1.132%
77	20.458	2993	2999	3003	rBV	306073	431059	8.34%	1.215%
78	20.517	3003	3009	3013	rVV2	82743	175509	3.40%	0.495%
79	20.552	3013	3015	3019	rVV	48937	62569	1.21%	0.176%
80	20.599	3019	3023	3027	rVB2	27580	41544	0.80%	0.117%
81	20.658	3029	3033	3036	rBV	37944	48692	0.94%	0.137%
82	20.705	3036	3041	3044	rVB2	39467	47519	0.92%	0.134%
83	20.887	3067	3072	3075	rBV	46272	66871	1.29%	0.188%
84	20.987	3086	3089	3095	rVB3	20667	40983	0.79%	0.116%
85	21.075	3100	3104	3110	rVV2	36842	74870	1.45%	0.211%
86	21.128	3110	3113	3119	rVV4	23222	45218	0.87%	0.127%
87	21.310	3139	3144	3148	rVV	73914	114698	2.22%	0.323%
88	21.357	3148	3152	3156	rVV	67485	106095	2.05%	0.299%
89	21.410	3156	3161	3165	rVV3	58695	113569	2.20%	0.320%
90	21.592	3183	3192	3199	rBV	20574	53243	1.03%	0.150%
91	21.727	3202	3215	3221	rVV3	436450	1170482	22.65%	3.299%
92	21.786	3221	3225	3232	rVB	240215	405977	7.85%	1.144%
93	21.939	3245	3251	3258	rVV	59082	109061	2.11%	0.307%
94	22.150	3280	3287	3294	rVV3	32708	71166	1.38%	0.201%
95	22.473	3334	3342	3348	rVV2	30873	74733	1.45%	0.211%
96	22.796	3393	3397	3406	rVB4	23961	51789	1.00%	0.146%
97	23.966	3586	3596	3603	rBV2	71662	235992	4.57%	0.665%
98	24.694	3712	3720	3729	rBV2	28087	77912	1.51%	0.220%
99	24.847	3738	3746	3761	rVB	42680	131073	2.54%	0.369%
100	25.006	3762	3773	3782	rBV2	159437	449096	8.69%	1.266%

Sum of corrected areas: 35479938

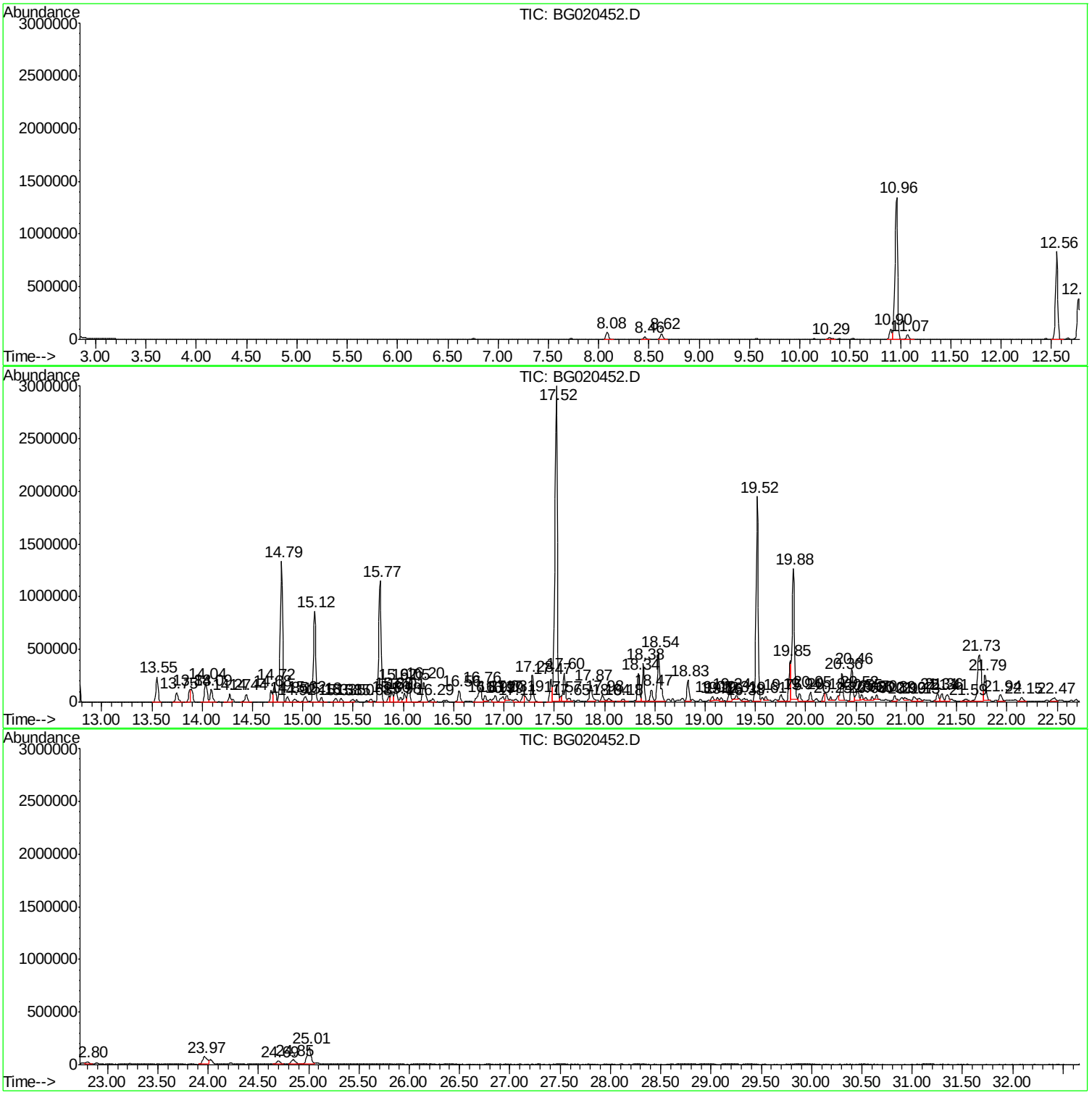
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

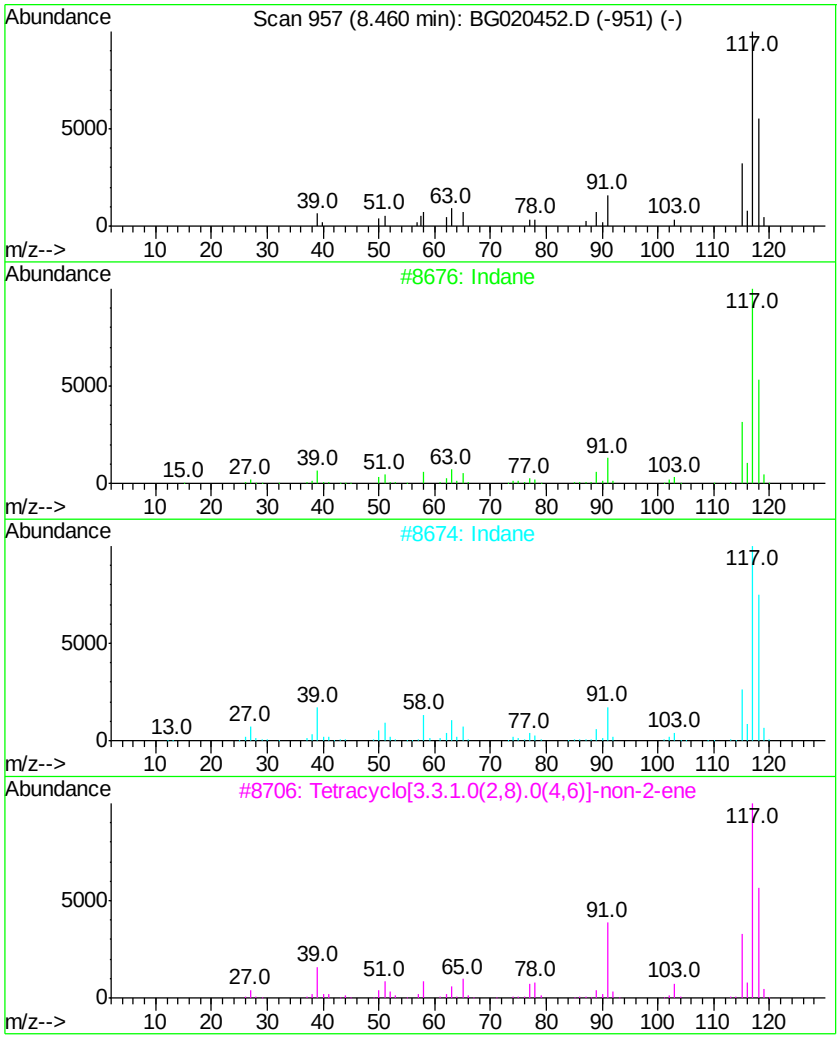
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

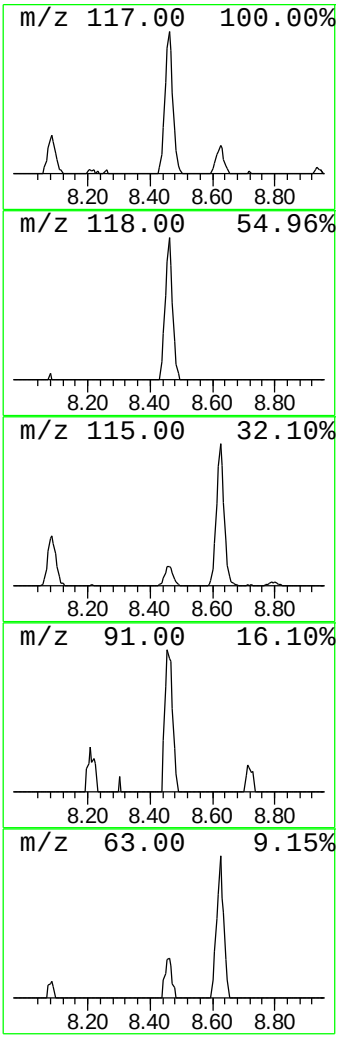
****

Peak Number 1 Indane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	6.68 ng/ul	40882	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Indane	118	C9H10	000496-11-7	90
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83
4	Indane	118	C9H10	000496-11-7	74
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

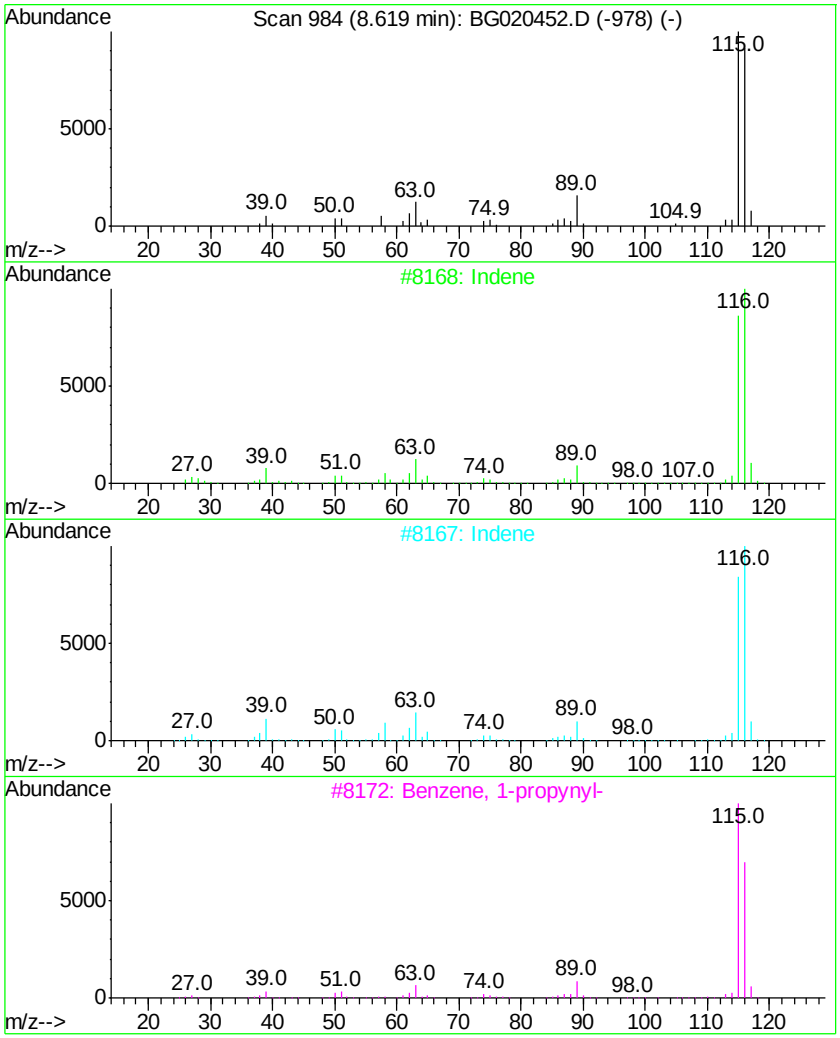
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

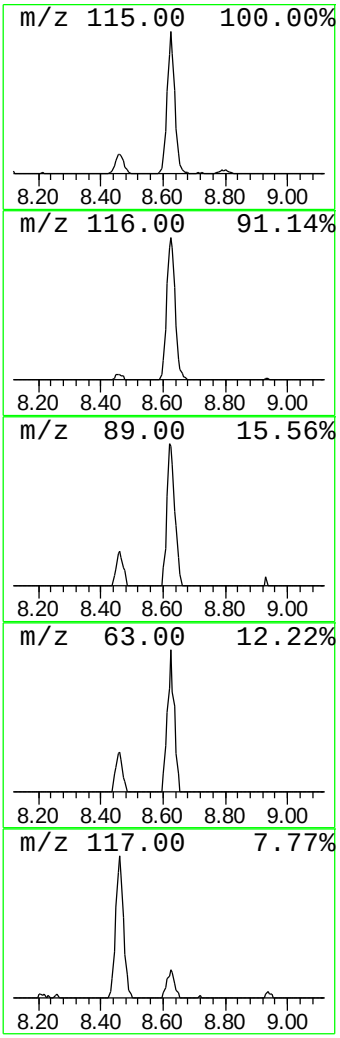
****

Peak Number 2 Indene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	15.65 ng/ul	95776	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

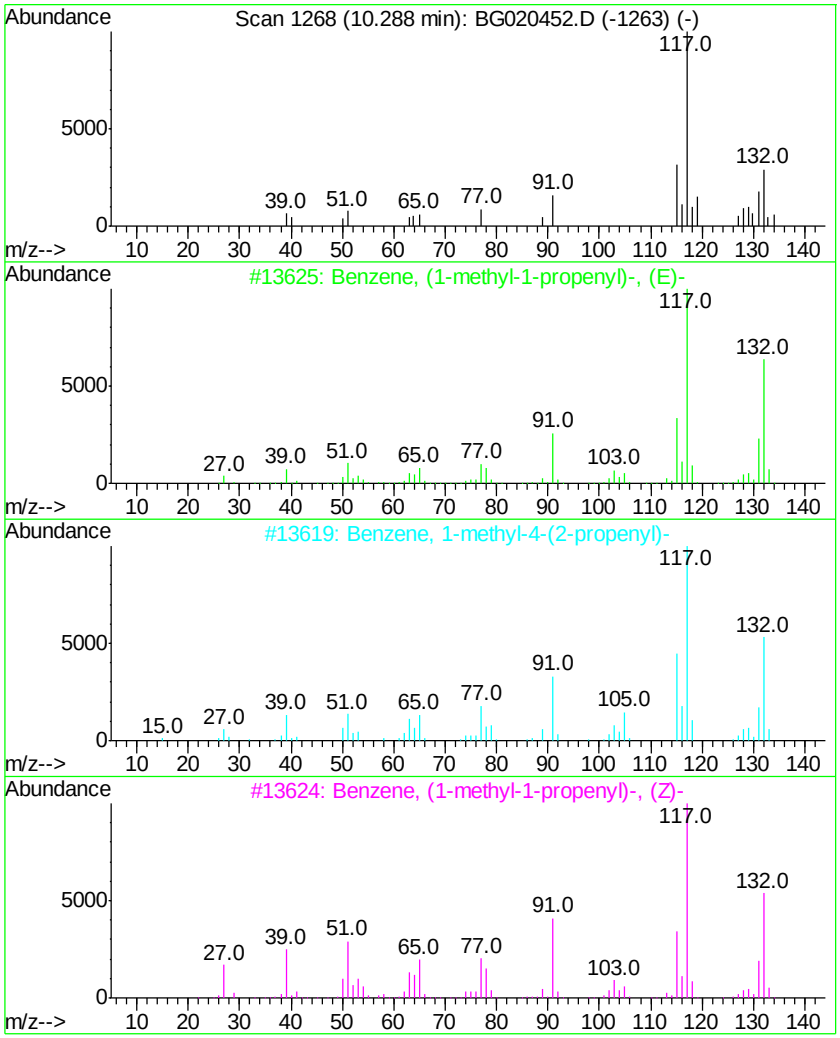
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

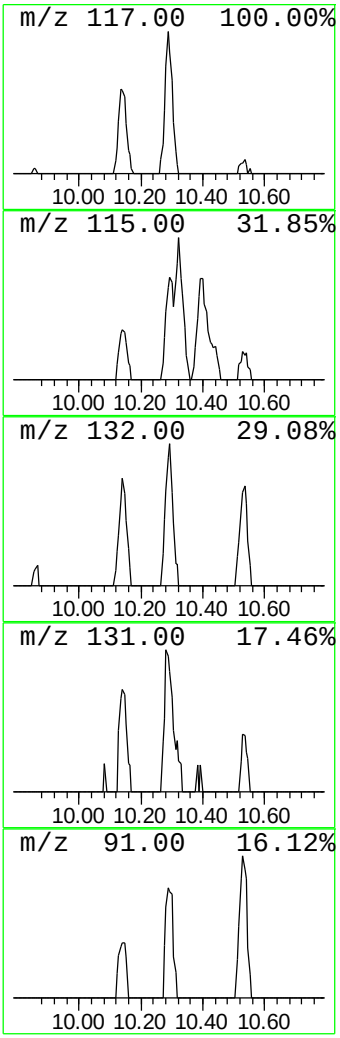
****

Peak Number 3 Benzene, (1-methyl-1-propen... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	4.49 ng/ul	41894	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	74
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	74
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	72
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

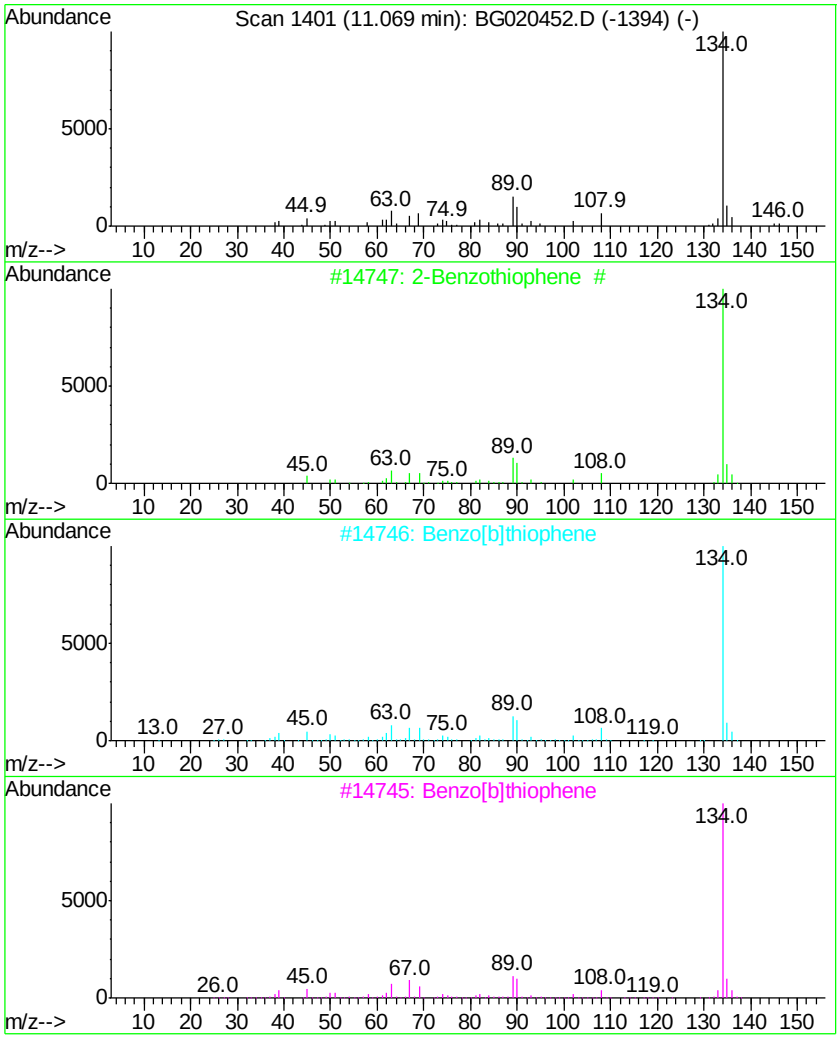
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

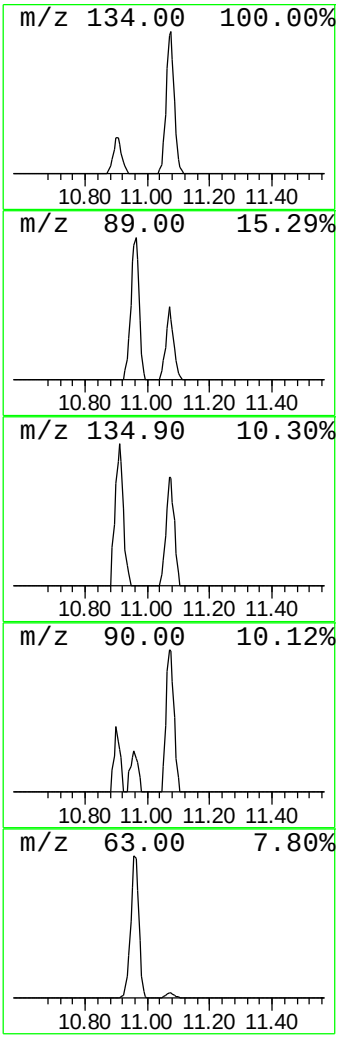
****

Peak Number 4 2-Benzothiophene # Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	8.05 ng/ul	75157	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
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	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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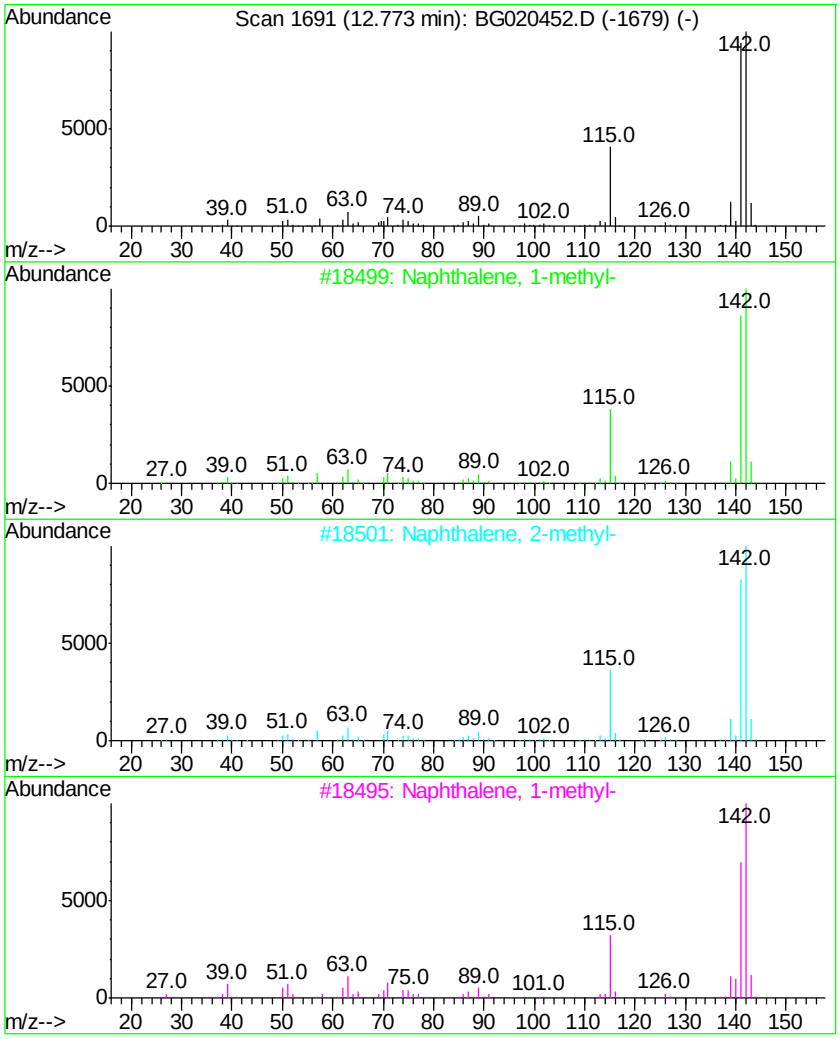
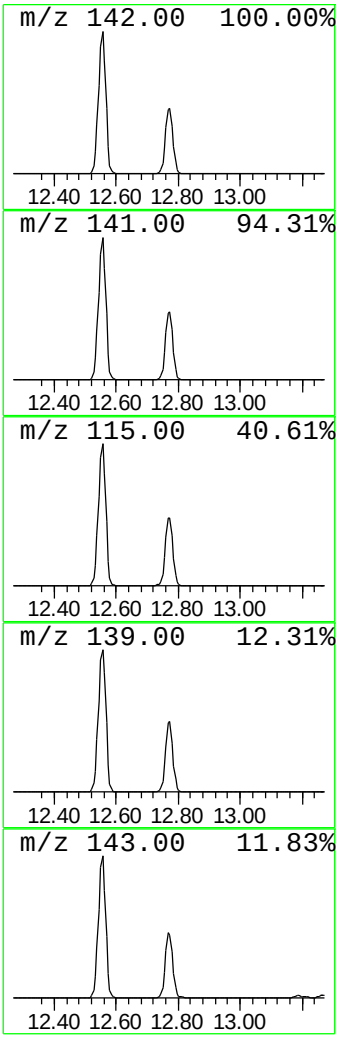
Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	70.02 ng/ul	653461	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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Quant Title : SVOA CALIBRATION

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

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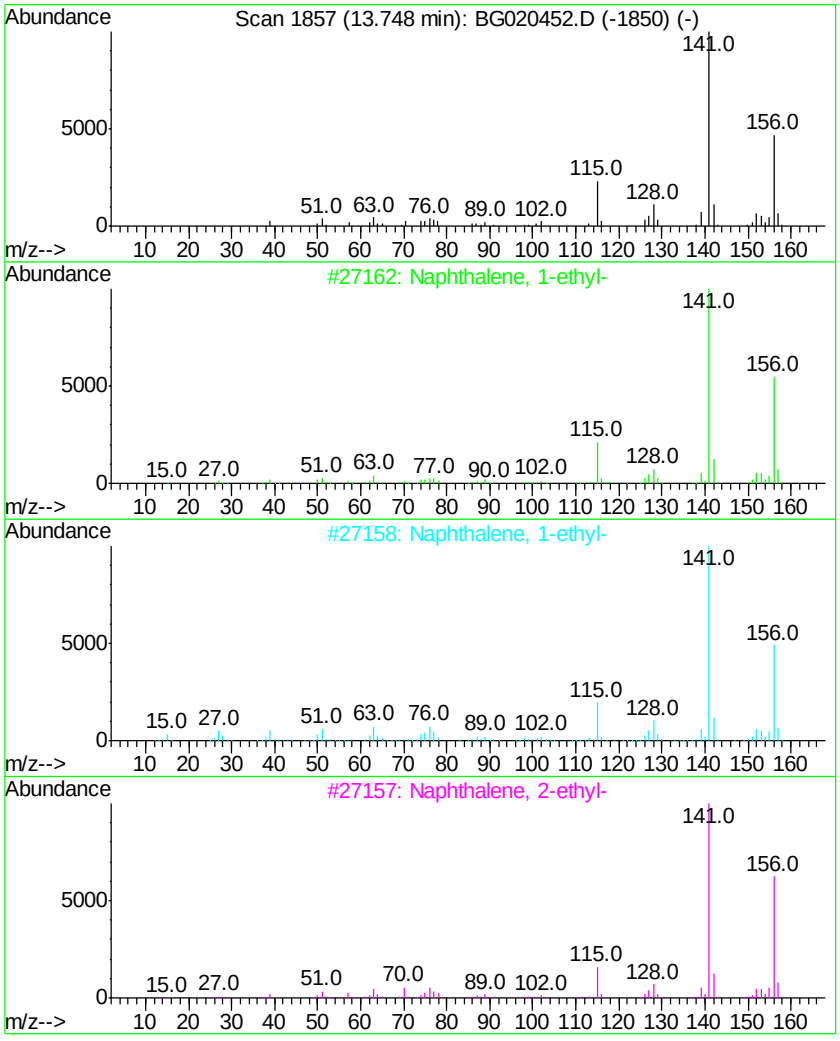
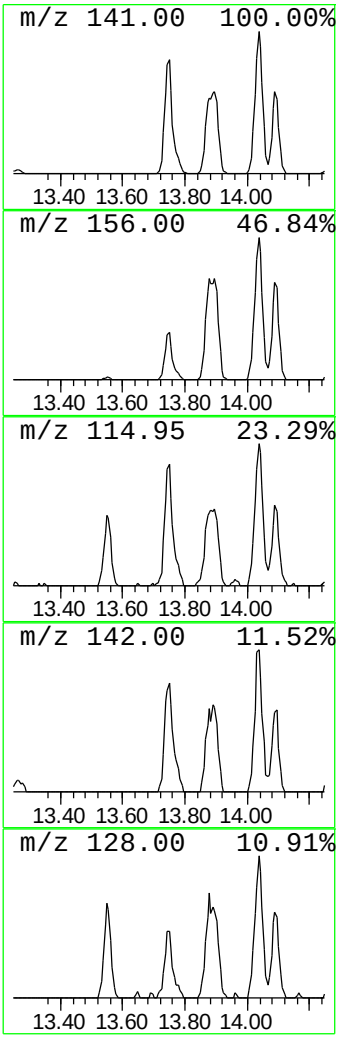
Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	13.04 ng/ul	171031	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





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Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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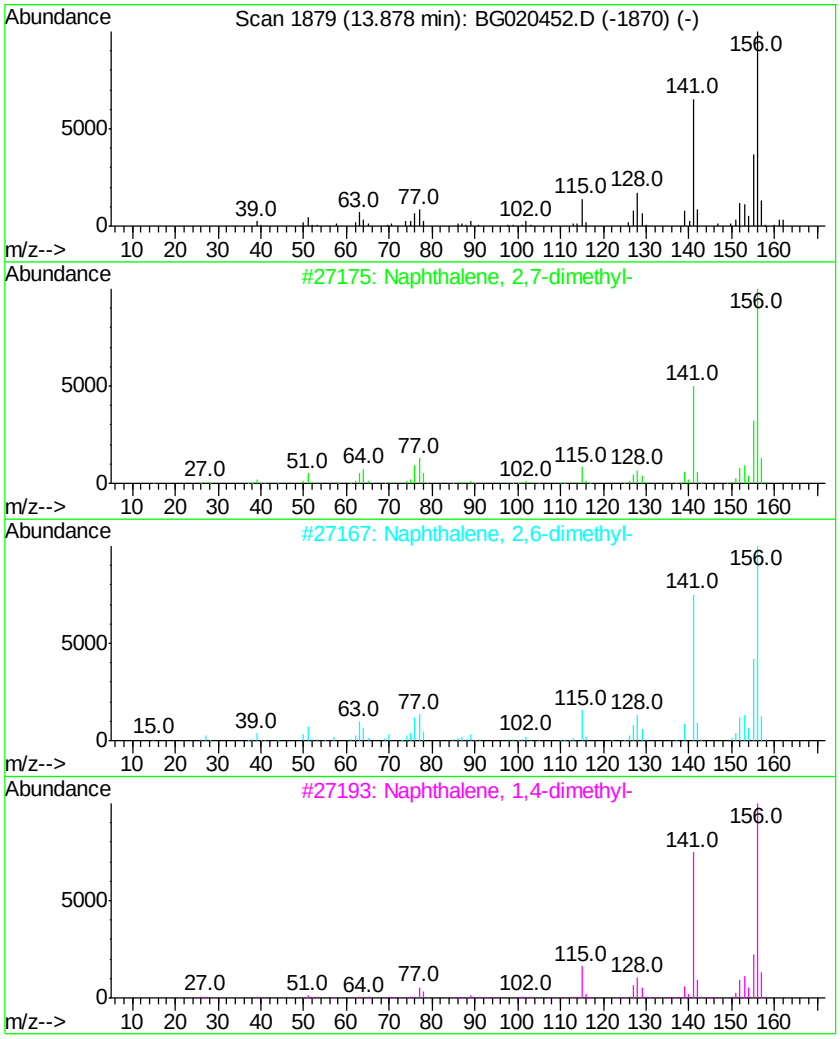
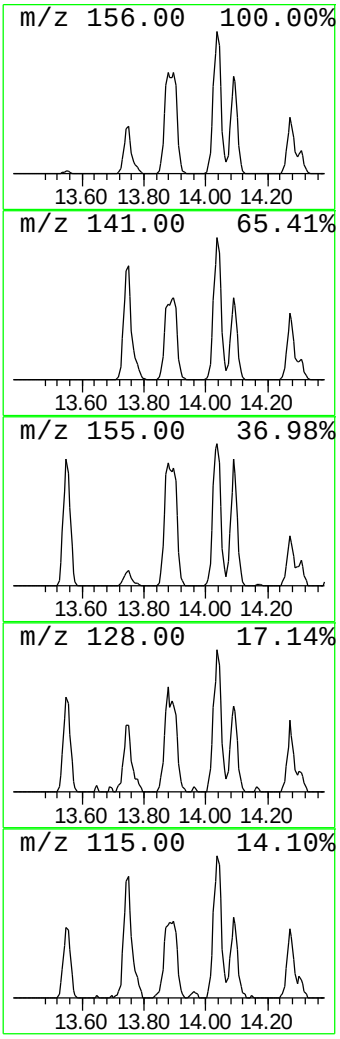
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	13.04 ng/ul	171056	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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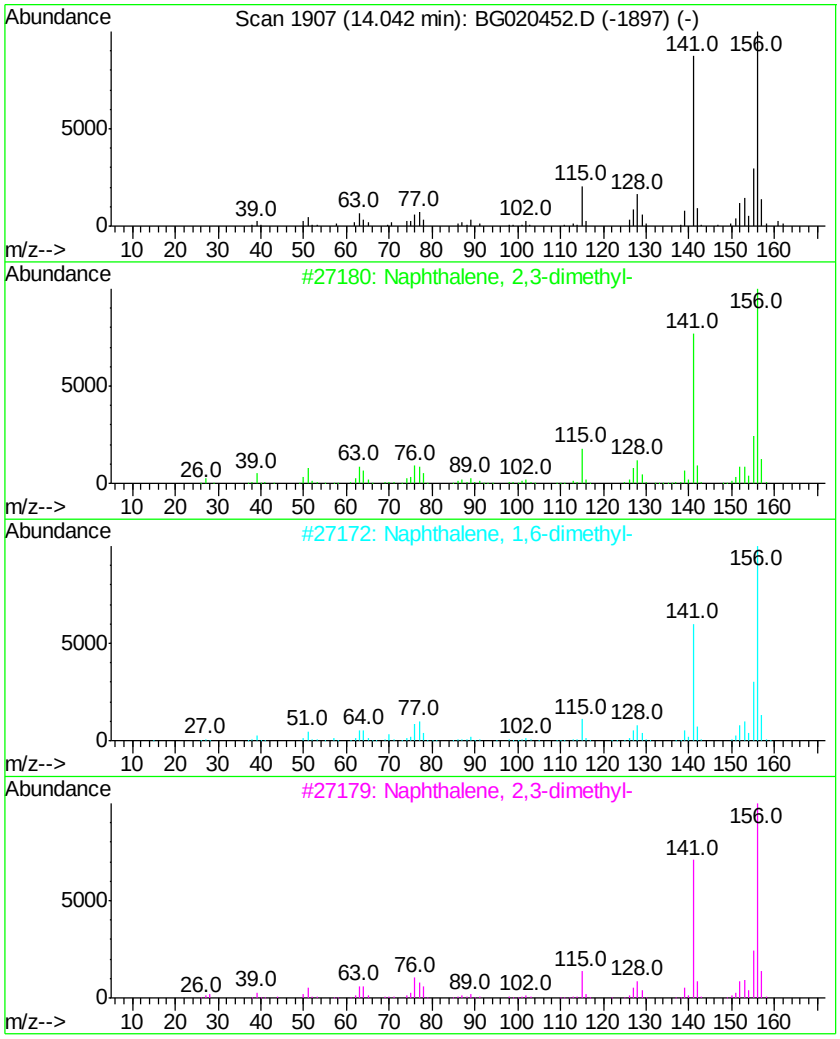
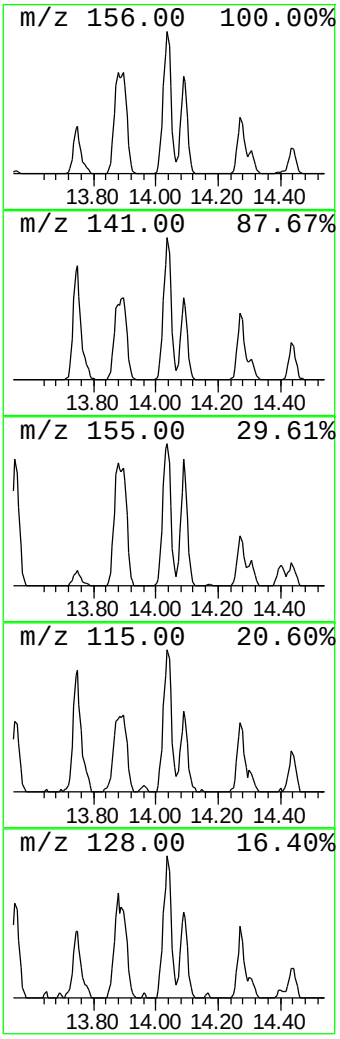
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	24.94 ng/ul	327122	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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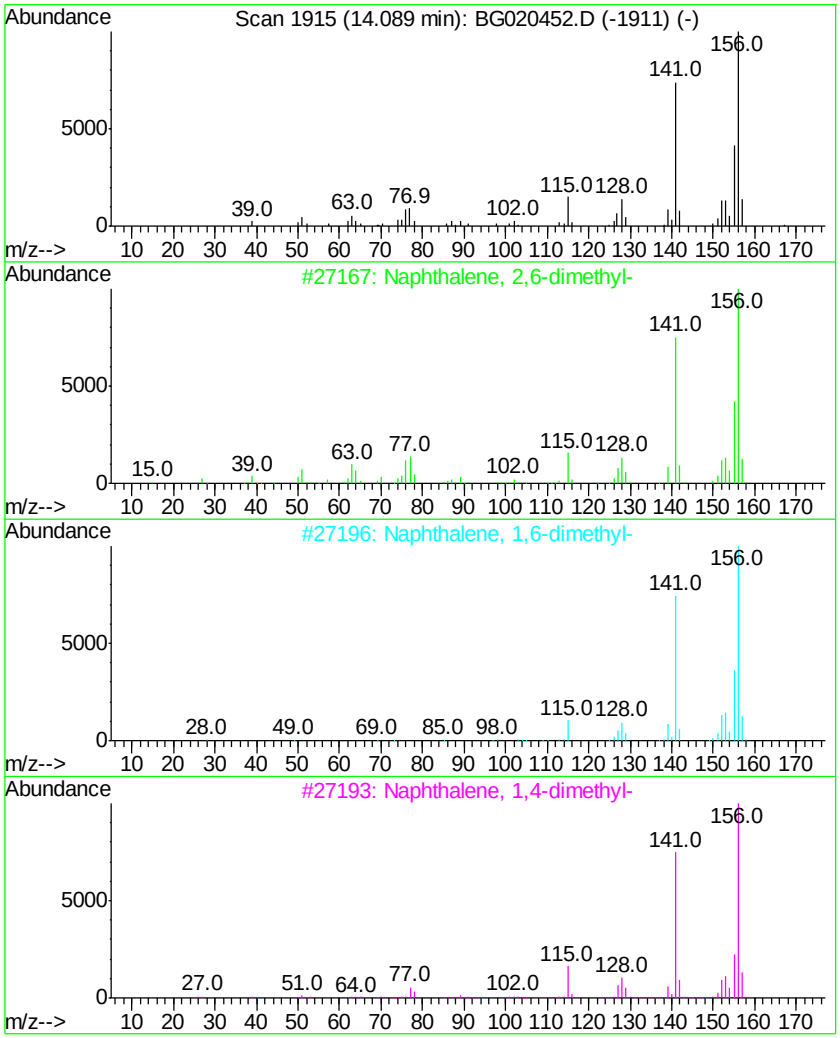
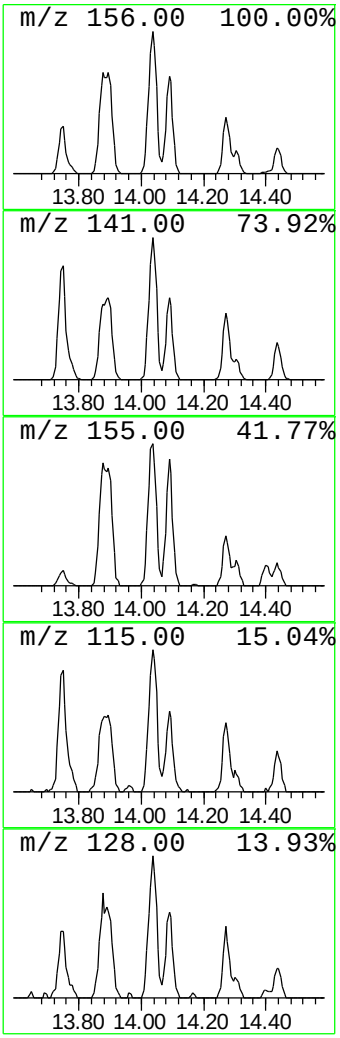
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	15.50 ng/ul	203331	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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Peak Number 11 1-Naphthalenecarbonitrile Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	5.49 ng/ul	71995	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
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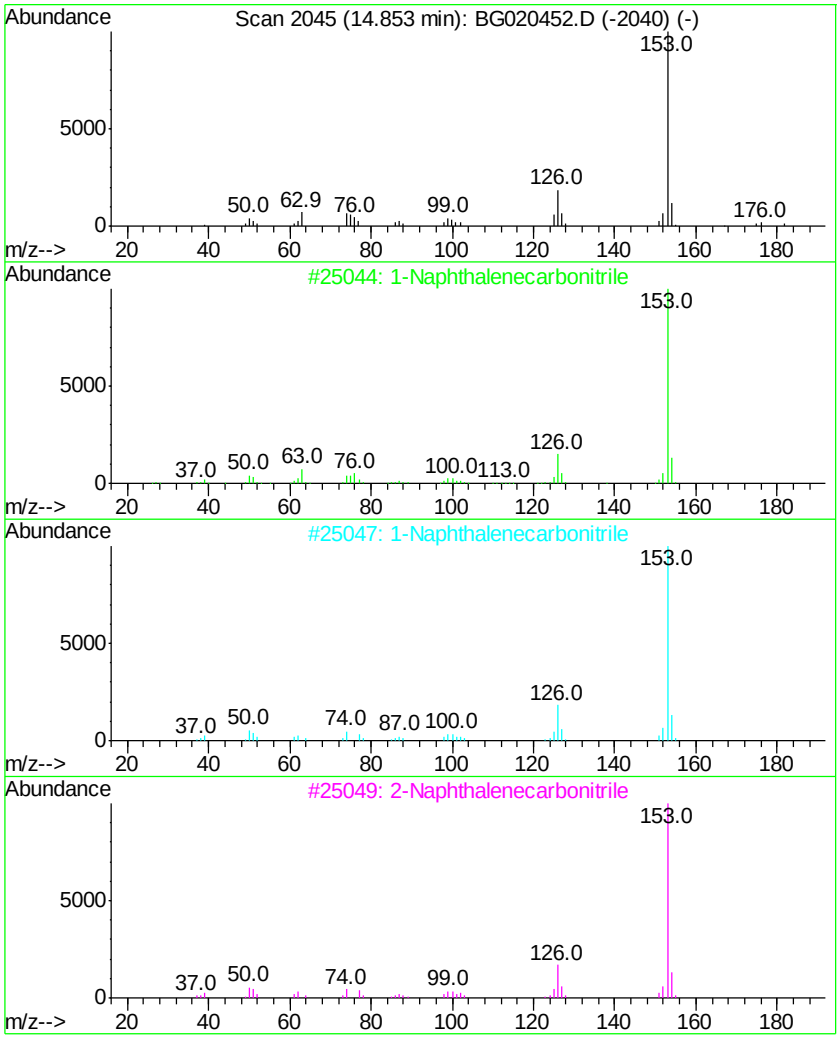

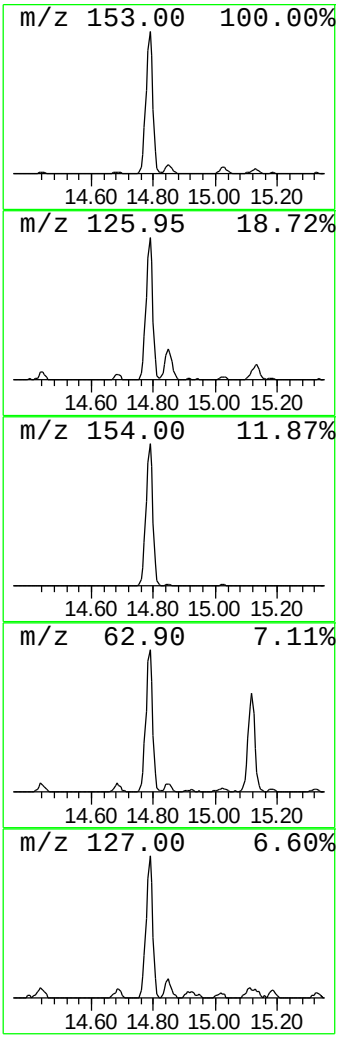

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Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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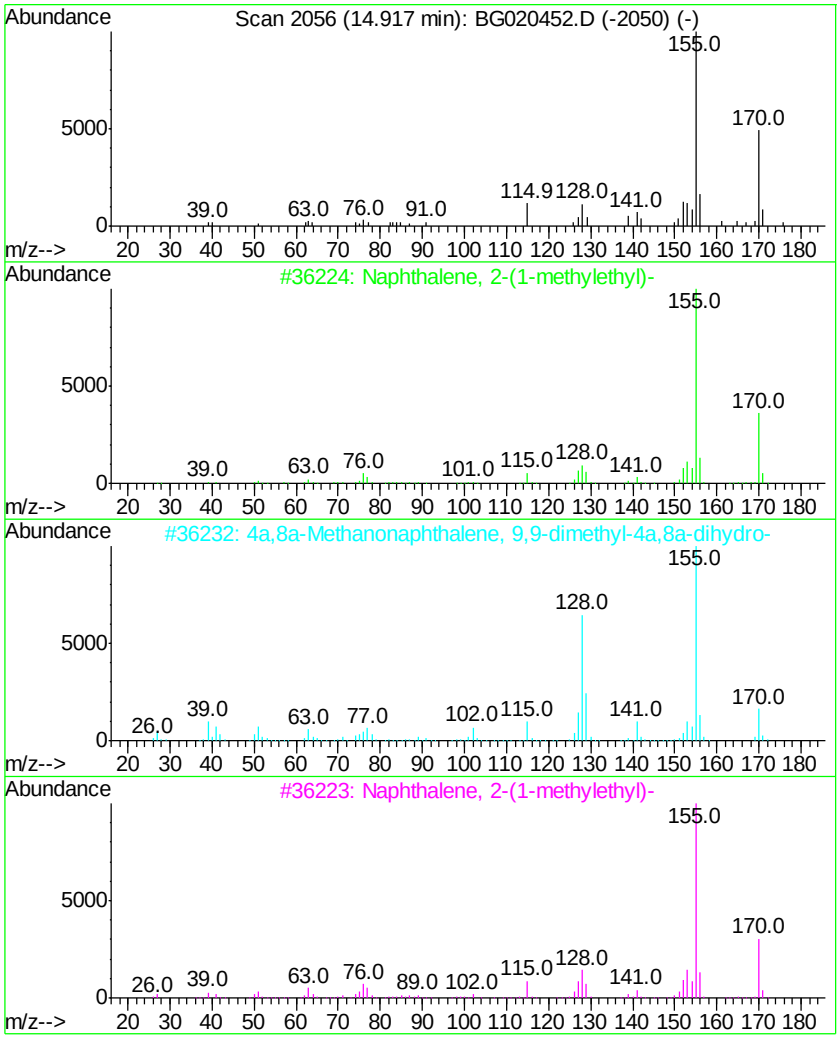
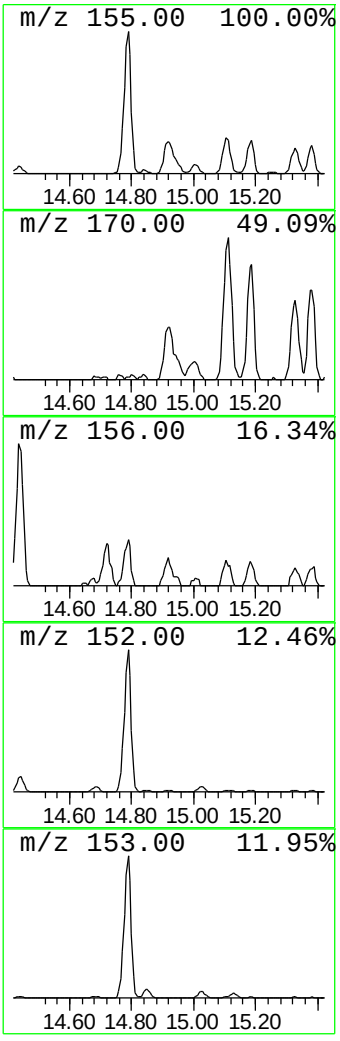
Peak Number 12 Naphthalene, 2-(1-methyleth... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	5.10 ng/ul	66925	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	87
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72





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Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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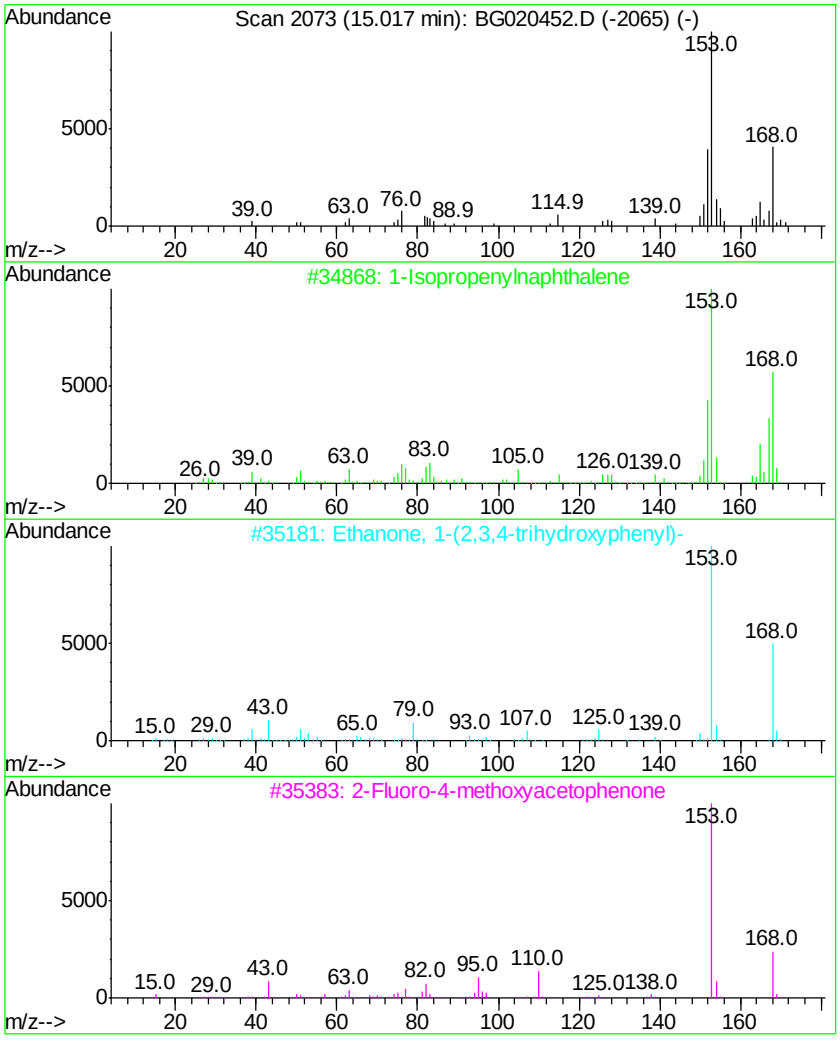
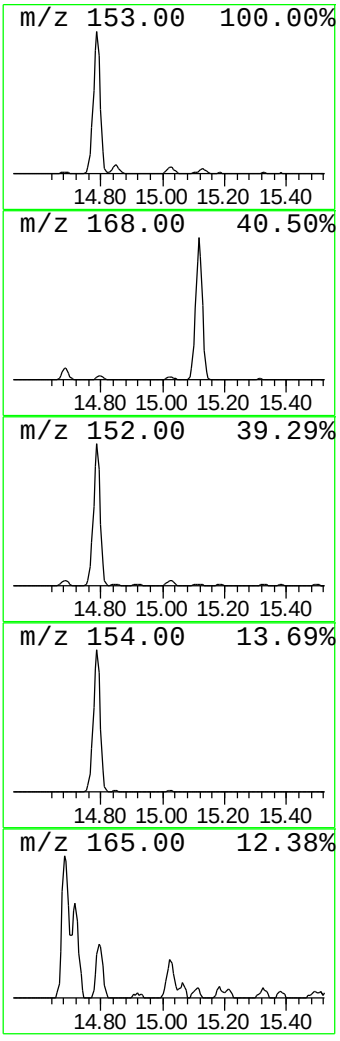
Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	7.75 ng/ul	101622	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
3	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	47
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	45
5	4-Cyano-4-hydroxy-1,2.5-trimethy...	168	C9H16N2O	051871-79-5	45





Library Search Compound Report

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Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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Quant Title : SVOA CALIBRATION

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

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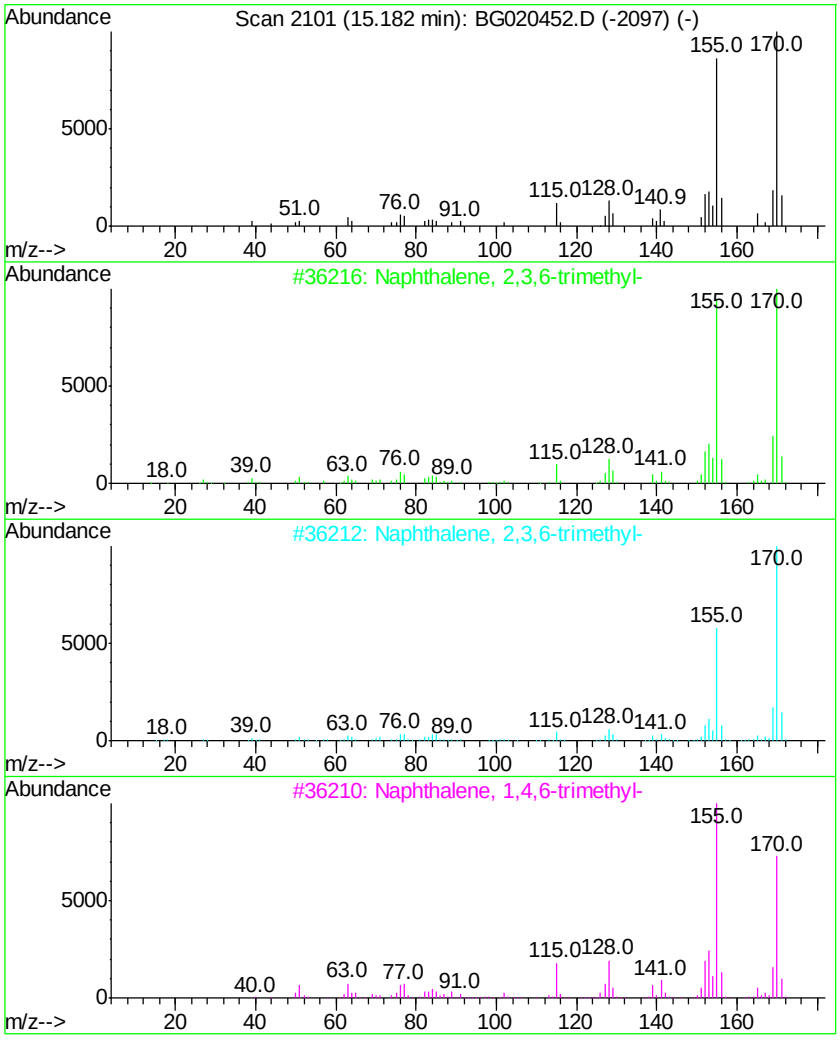
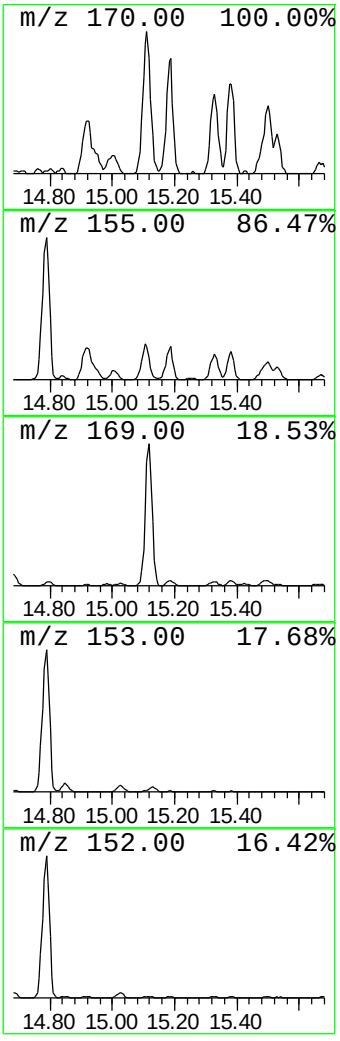
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	4.95 ng/ul	64907	Acenaphthene-d10	14.72

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





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Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
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Instrument : BNA_G
ClientSampleId : D9N54DL

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Quant Title : SVOA CALIBRATION

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

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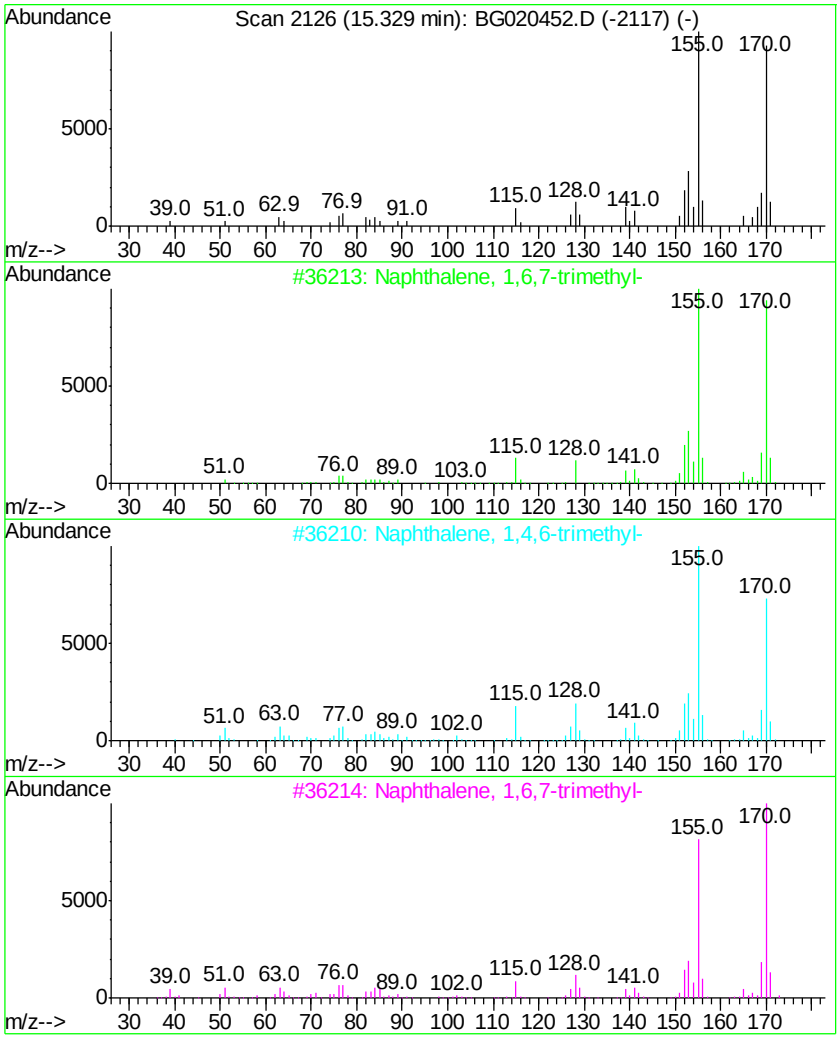
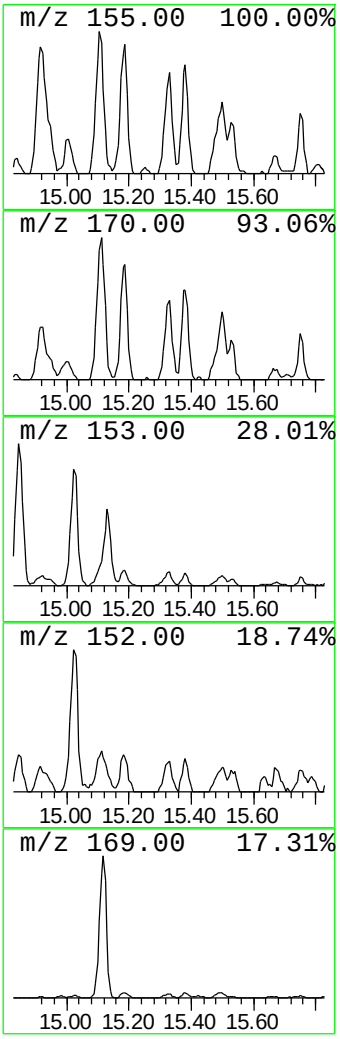
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	4.38 ng/ul	57404	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Library Search Compound Report

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Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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Quant Title : SVOA CALIBRATION

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

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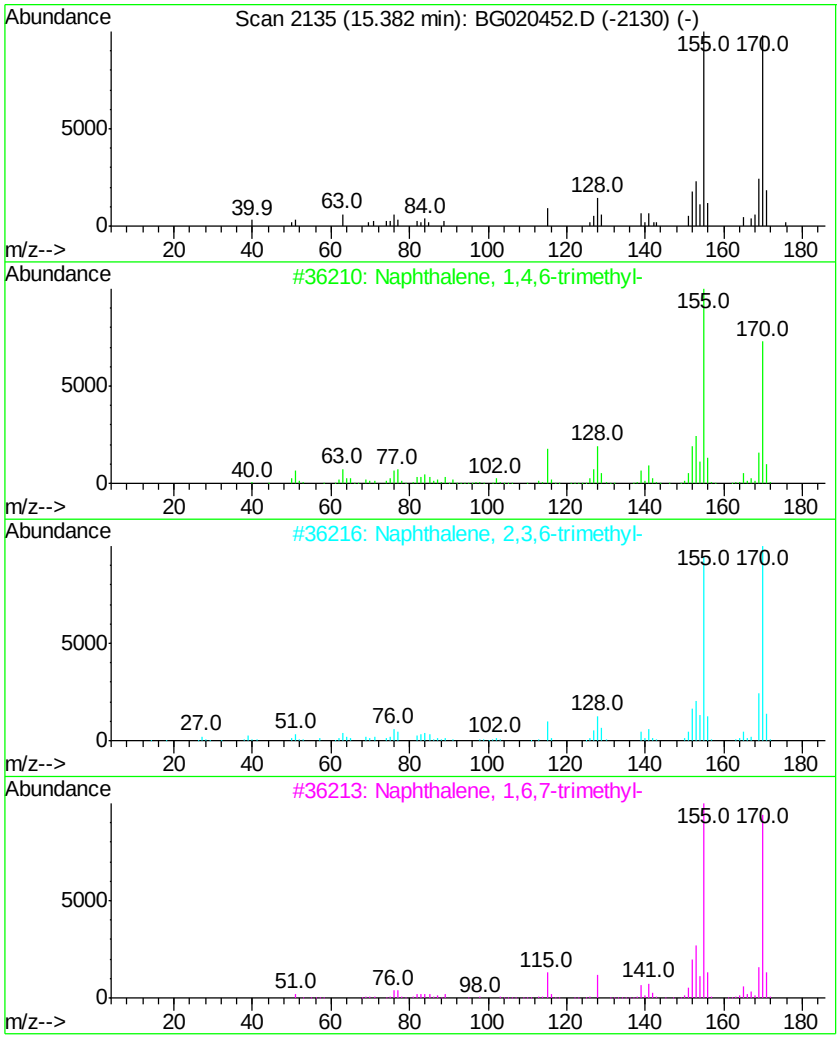
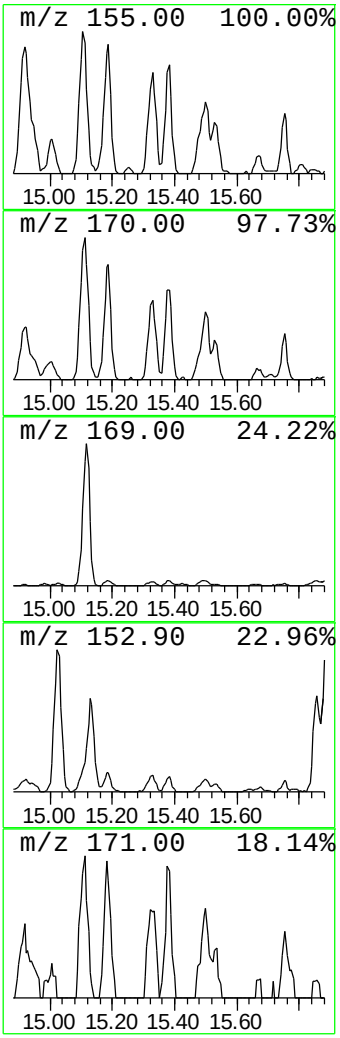
Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	4.13 ng/ul	54190	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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Quant Title : SVOA CALIBRATION

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

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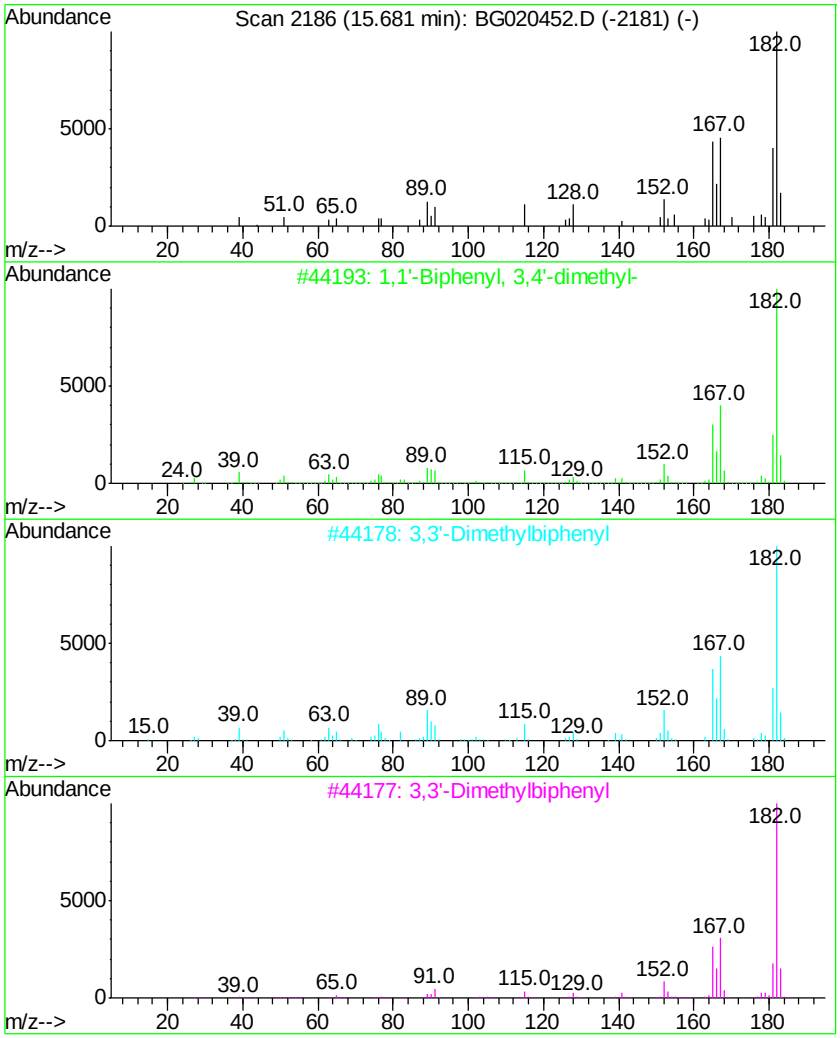
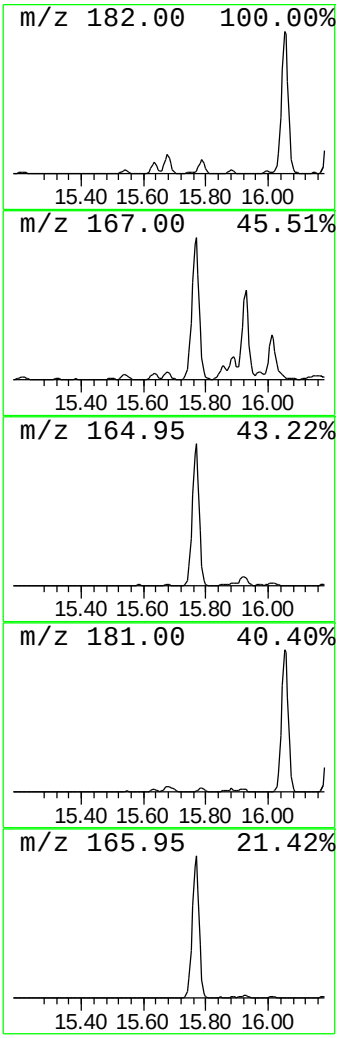
Peak Number 18 1,1'-Biphenyl, 3,4'-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	3.61 ng/ul	47289	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	93
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	87
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	76
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	76
5	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	76





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Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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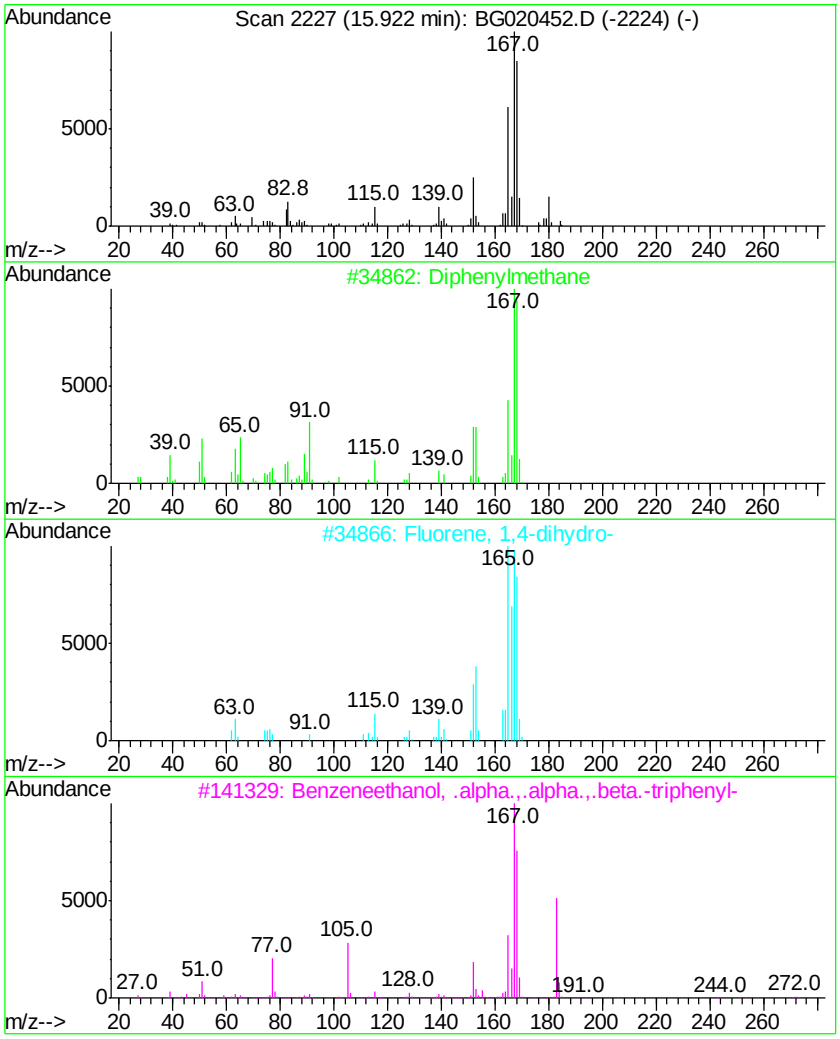
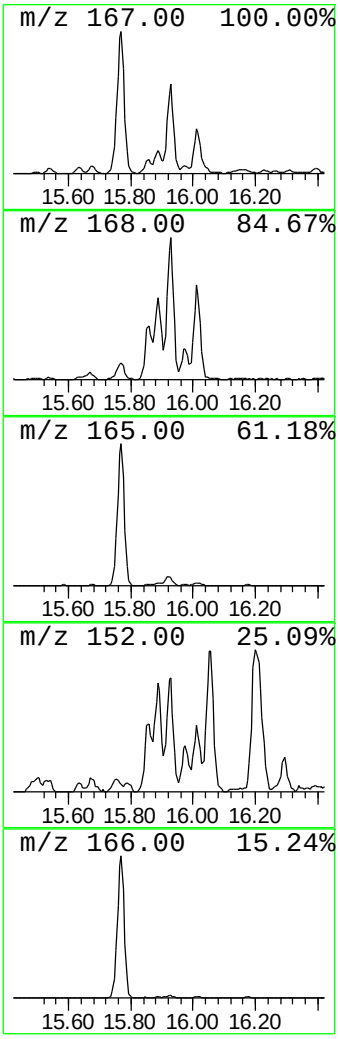
Peak Number 21 Diphenylmethane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	19.91 ng/ul	261142	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	76
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	72
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
5	Diphenylmethane	168	C13H12	000101-81-5	62





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Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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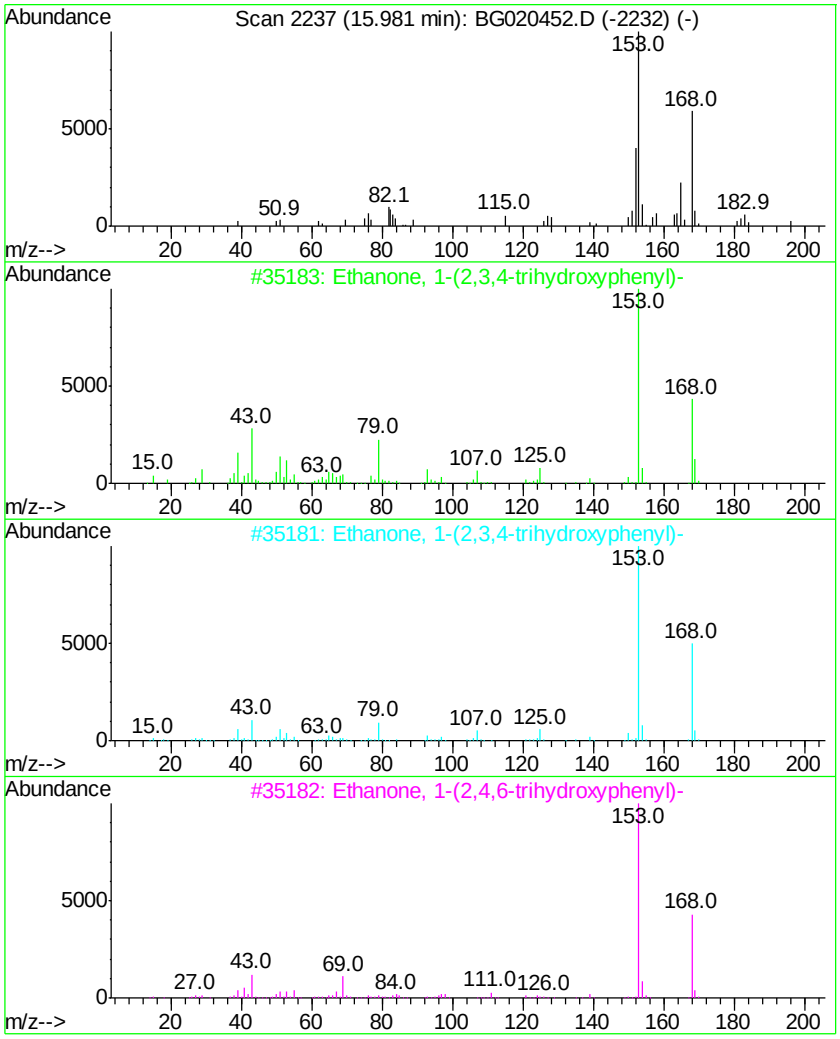
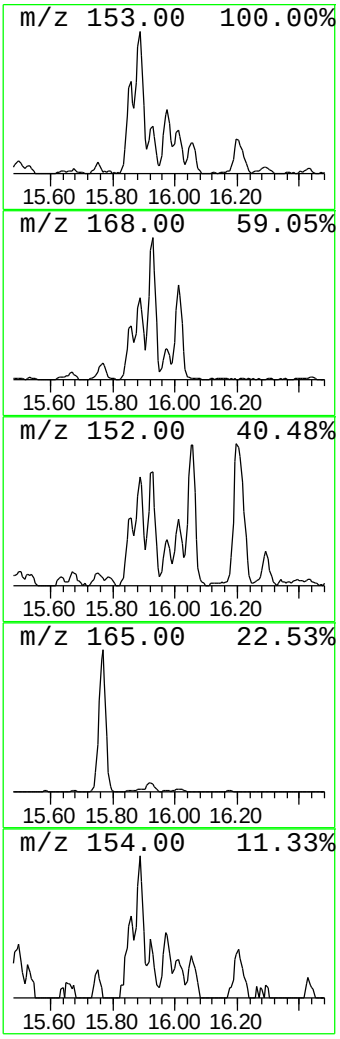
Peak Number 22 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	4.77 ng/ul	62570	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	43
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	43
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	38
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	38





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Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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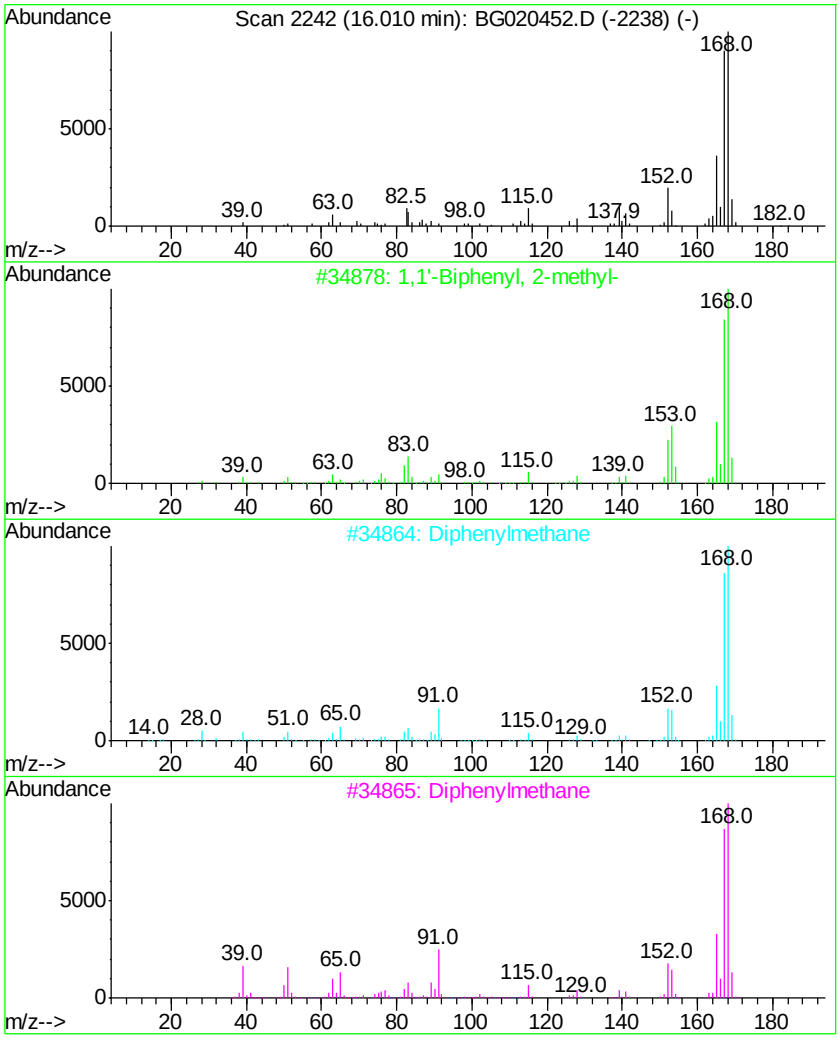
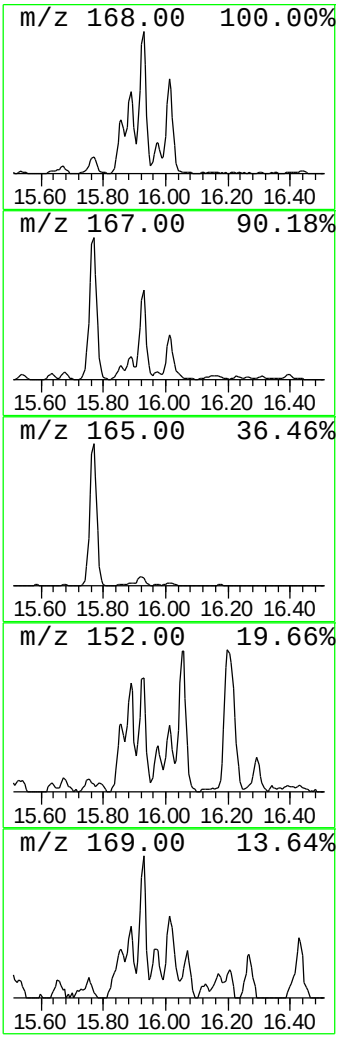
Peak Number 23 1,1'-Biphenyl, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	10.14 ng/ul	133003	Acenaphthene-d10	14.72

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	80
3	Diphenylmethane	168	C13H12	000101-81-5	80
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74





Library Search Compound Report

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Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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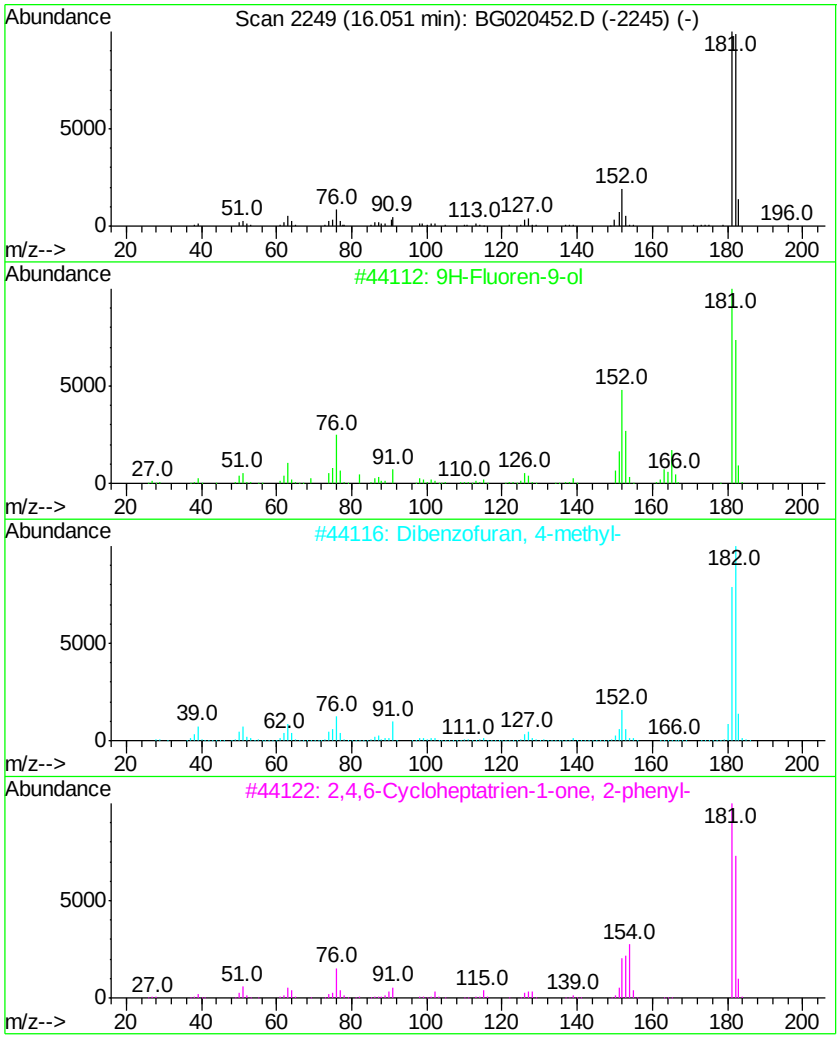
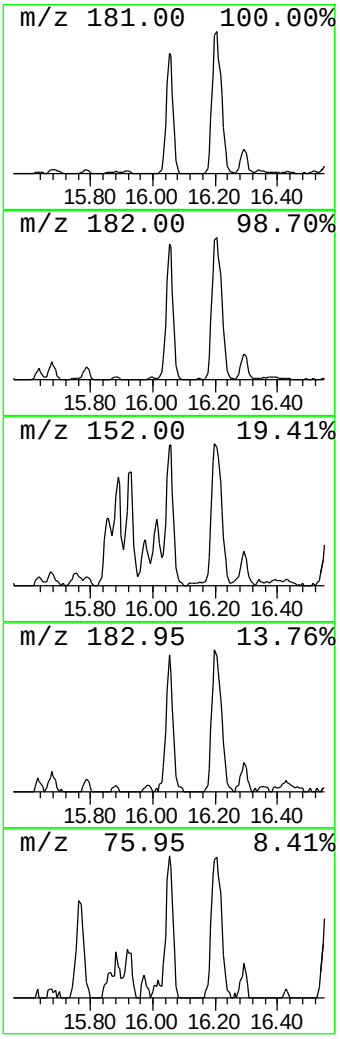
Peak Number 24 9H-Fluoren-9-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	21.12 ng/ul	276995	Acenaphthene-d10	14.72

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





Library Search Compound Report

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Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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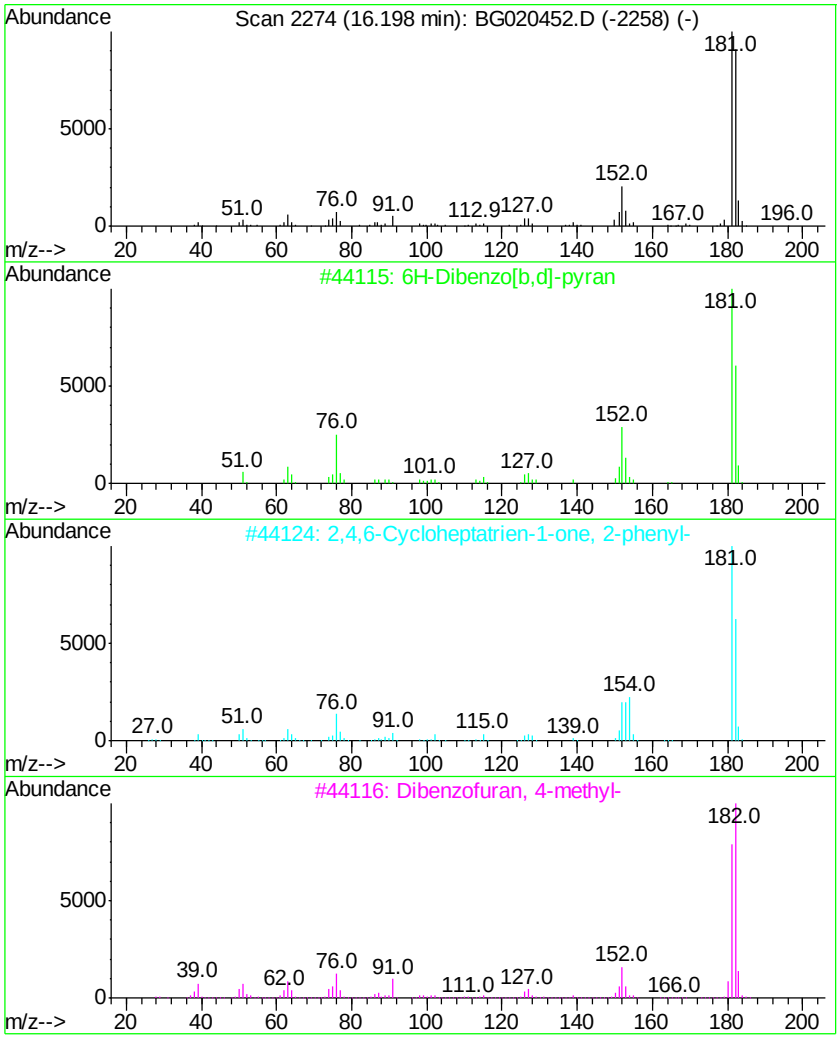
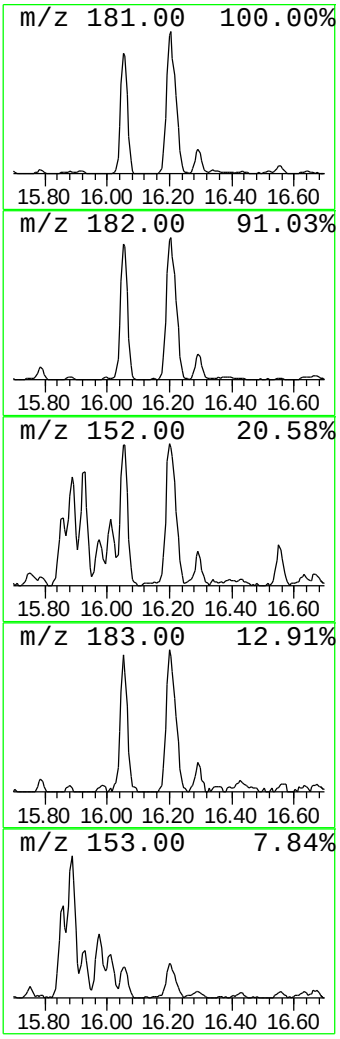
Peak Number 25 6H-Dibenzo[b,d]-pyran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	23.94 ng/ul	416850	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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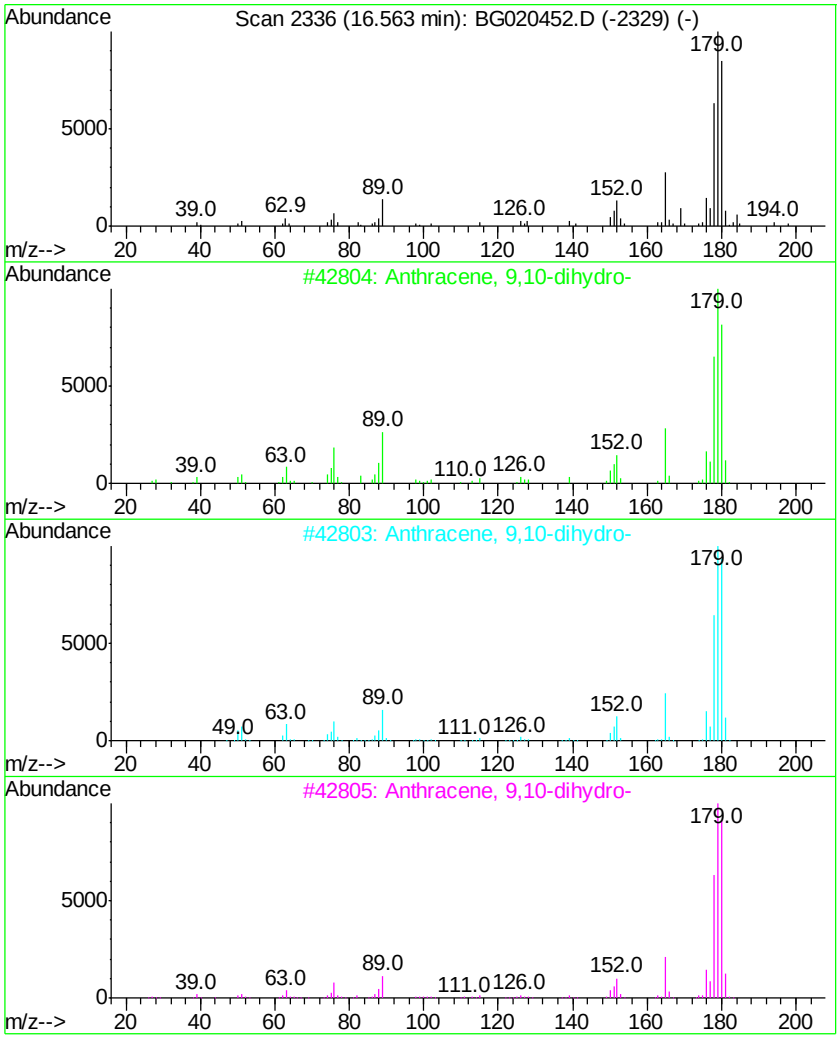
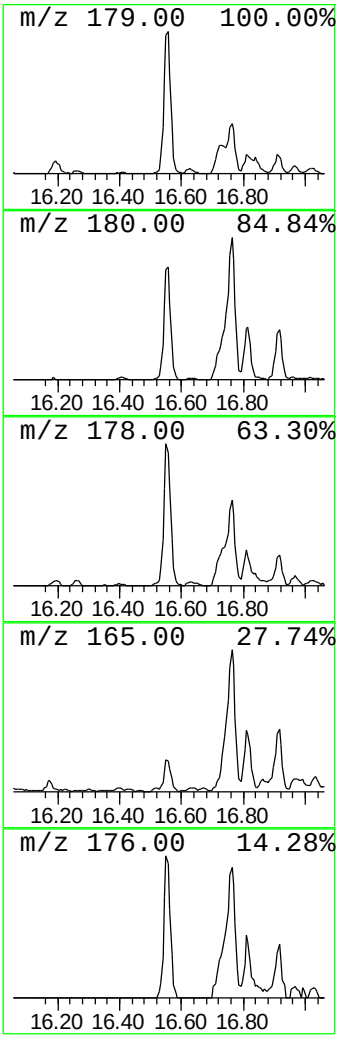
Peak Number 27 Anthracene, 9,10-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	9.45 ng/ul	164595	Phenanthrene-d10	17.47

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	95
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
5	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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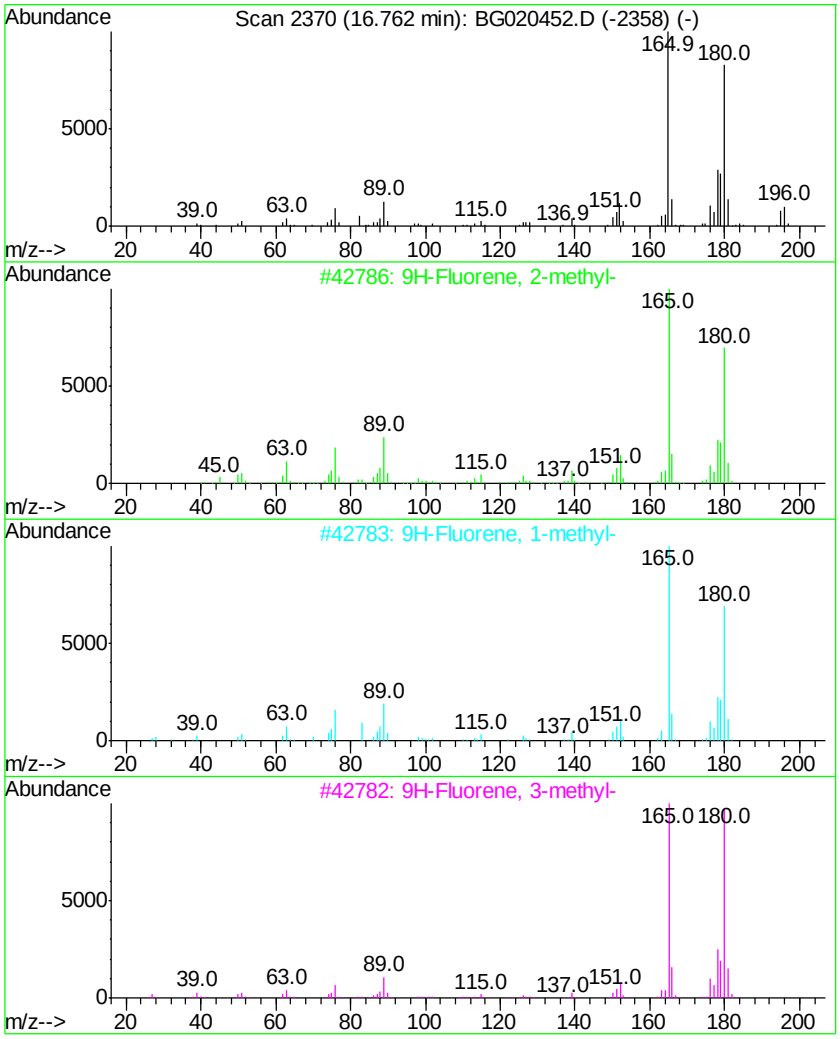
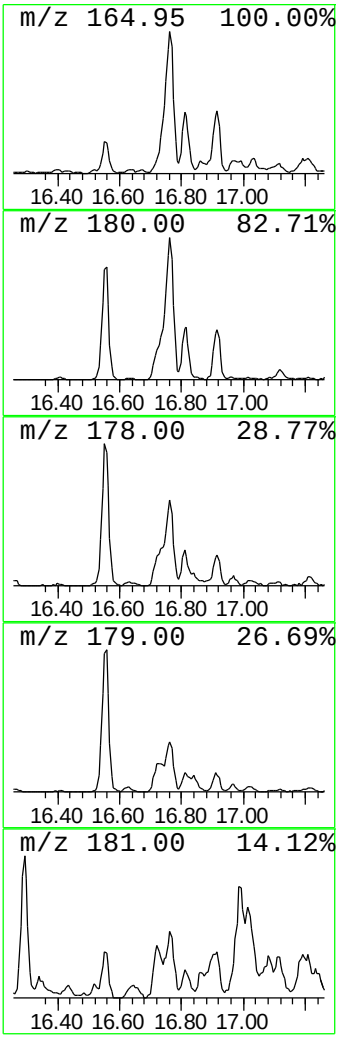
Peak Number 28 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	18.79 ng/ul	327143	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

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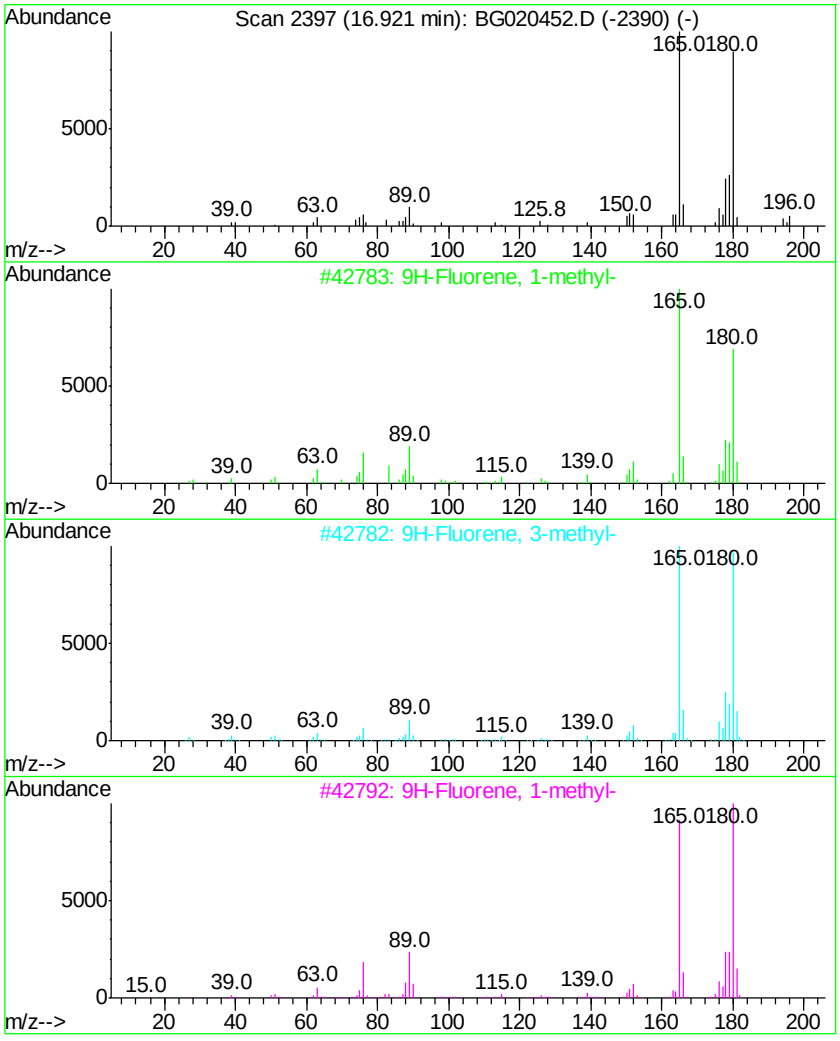
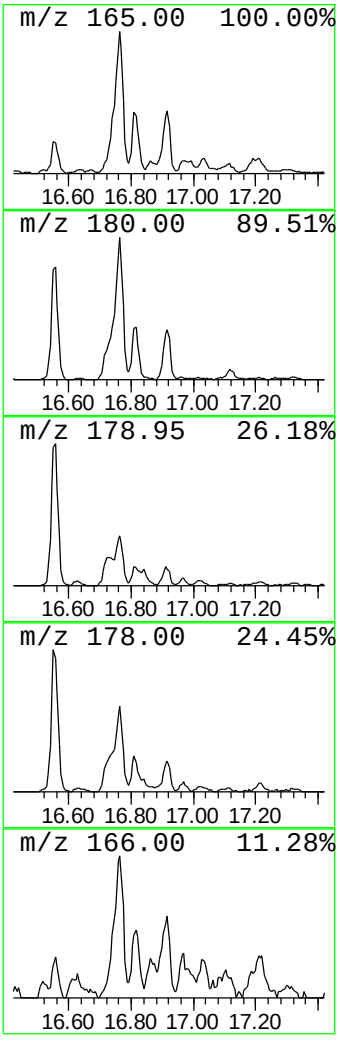
Peak Number 30 9H-Fluorene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	5.92 ng/ul	103086	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54DL

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	8.46	6.7	ng/ul	40882	1	8.08	122413	20.0
Indene	8.62	15.7	ng/ul	95776	1	8.08	122413	20.0
Benzene, (1-methy...	10.29	4.5	ng/ul	41894	2	10.90	186646	20.0
2-Benzothiophene #	11.07	8.1	ng/ul	75157	2	10.90	186646	20.0
Naphthalene, 1-me...	12.77	70.0	ng/ul	653461	2	10.90	186646	20.0
Naphthalene, 1-et...	13.75	13.0	ng/ul	171031	3	14.72	262341	20.0
Naphthalene, 2,7-...	13.88	13.0	ng/ul	171056	3	14.72	262341	20.0
Naphthalene, 2,3-...	14.04	24.9	ng/ul	327122	3	14.72	262341	20.0
Naphthalene, 2,6-...	14.09	15.5	ng/ul	203331	3	14.72	262341	20.0
1-Naphthalenecarb...	14.85	5.5	ng/ul	71995	3	14.72	262341	20.0
Naphthalene, 2-(1...	14.92	5.1	ng/ul	66925	3	14.72	262341	20.0
1-Isopropenylnaph...	15.02	7.8	ng/ul	101622	3	14.72	262341	20.0
Naphthalene, 2,3,...	15.18	5.0	ng/ul	64907	3	14.72	262341	20.0
Naphthalene, 1,6,...	15.33	4.4	ng/ul	57404	3	14.72	262341	20.0
Naphthalene, 1,4,...	15.38	4.1	ng/ul	54190	3	14.72	262341	20.0
1,1'-Biphenyl, 3,...	15.68	3.6	ng/ul	47289	3	14.72	262341	20.0
Diphenylmethane	15.92	19.9	ng/ul	261142	3	14.72	262341	20.0
unknown-01	15.98	4.8	ng/ul	62570	3	14.72	262341	20.0
1,1'-Biphenyl, 2-...	16.01	10.1	ng/ul	133003	3	14.72	262341	20.0
9H-Fluoren-9-ol	16.05	21.1	ng/ul	276995	3	14.72	262341	20.0
6H-Dibenzo[b,d]-p...	16.20	23.9	ng/ul	416850	4	17.47	348303	20.0
Anthracene, 9,10-...	16.56	9.4	ng/ul	164595	4	17.47	348303	20.0
9H-Fluorene, 2-me...	16.76	18.8	ng/ul	327143	4	17.47	348303	20.0
9H-Fluorene, 1-me...	16.92	5.9	ng/ul	103086	4	17.47	348303	20.0