LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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-BG123015.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	7.383	765	773	780	rBV	78783	134103	0.49%	0.116%
2	7.547	794	801	805	rBV	121820	217185	0.79%	0.188%
3	7.588	805	808	817	rVV	83589	136454	0.50%	0.118%
4	7.700	820	827	834	rVV2	66083	119442	0.44%	0.104%
5	7.782	834	841	851	rVB	152043	271107	0.99%	0.235%
6	8.058	881	888	895	rBV	78533	135345	0.49%	0.117%
7	8.434	944	952	959	rBV	205041	344399	1.26%	0.299%
8	8.605	972	981	991	rVV	1580950	2876204	10.51%	2.494%
9	8.769	1003	1009	1015	rVV	71417	123135	0.45%	0.107%
10	8.916	1026	1034	1043	rVB2	124061	247345	0.90%	0.214%
11	9.234	1081	1088	1094	rVV2	110165	224488	0.82%	0.195%
12	9.545	1126	1141	1147	rVV4	137354	394659	1.44%	0.342%
13	9.962	1205	1212	1219	rBV	89496	171601	0.63%	0.149%
14	10.050	1219	1227	1230	rBV2	88086	188187	0.69%	0.163%
15	10.279	1254	1266	1267	rBV	94281	189023	0.69%	0.164%
16	10.303	1267	1270	1277	rVV4	114398	249525	0.91%	0.216%
17	10.373	1277	1282	1295	rVB	194001	434459	1.59%	0.377%
18	10.509	1295	1305	1315	rBV3	183320	422092	1.54%	0.366%
19	11.008	1368	1390	1395	rVV	6678620	27354645	100.00%	23.719%
20	11.084	1396	1403	1413	rVB	1095659	1844875	6.74%	1.600%
21	11.490	1463	1472	1480	rVV	51575	148256	0.54%	0.129%
22	11.707	1503	1509	1519	rVB3	175724	327362	1.20%	0.284%
23	11.954	1546	1551	1556	rBV	80572	137230	0.50%	0.119%
24	12.271	1599	1605	1610	rVB2	104838	194193	0.71%	0.168%
25	12.377	1616	1623	1628	rBV	203764	399770	1.46%	0.347%
26	12.424	1628	1631	1636	rVB	98436	154573	0.57%	0.134%
27	12.547	1642	1652	1658	rBV	2998013	5752516	21.03%	4.988%
28	12.653	1662	1670	1676	rVV3	138748	323460	1.18%	0.280%
29	12.765	1676	1689	1696	rVV	2057651	3779664	13.82%	3.277%
30	12.912	1711	1714	1725	rVV3	54949	144238	0.53%	0.125%
31	13.170	1752	1758	1766	rVV5	117920	307228	1.12%	0.266%
32	13.246	1766	1771	1782	rVV4	62228	157619	0.58%	0.137%
33	13.534	1808	1820	1829	rBV2	1117979	1949515	7.13%	1.690%
34	13.640	1829	1838	1843	rBV	136340	262201	0.96%	0.227%

LSC Area Percent Report

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Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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-BG123015.M
Title : SVOA CALIBRATION

35	13.728	1847	1853	1865	rVB2	204032	475336	1.74%	0.412%
36	13.875	1865	1878	1885	rBV5	241763	775950	2.84%	0.673%
37	14.016	1896	1902	1907	rBV2	373212	687734	2.51%	0.596%
38	14.069	1907	1911	1914	rBV	189009	287028	1.05%	0.249%
39	14.104	1914	1917	1923	rVB	280515	397599	1.45%	0.345%
40	14.251	1937	1942	1946	rBV	148714	248733	0.91%	0.216%
41	14.422	1959	1971	1978	rVB2	555082	1415351	5.17%	1.227%
42	14.674	2004	2014	2017	rBV2	229369	471340	1.72%	0.409%
43	14.786	2024	2033	2038	rBV	4126469	8150029	29.79%	7.067%
44	14.851	2038	2044	2049	rVV	1300924	2189498	8.00%	1.899%
45	14.892	2049	2051	2059	rVB4	73616	138224	0.51%	0.120%
46	14.980	2059	2066	2075	rBV3	548641	1313604	4.80%	1.139%
47	15.115	2081	2089	2096	rVV2	2595132	5408452	19.77%	4.690%
48	15.691	2182	2187	2191	rBV	366739	539428	1.97%	0.468%
49	15.761	2191	2199	2204	rVB	2600781	4565666	16.69%	3.959%
50	15.826	2204	2210	2213	rBV3	154977	284867	1.04%	0.247%
51	15.873	2213	2218	2221	rBV5	175003	318981	1.17%	0.277%
52	15.961	2228	2233	2242	rVB6	238772	754139	2.76%	0.654%
53	16.037	2242	2246	2255	rVB2	223593	345126	1.26%	0.299%
54	16.120	2255	2260	2263	rBV	105380	173218	0.63%	0.150%
55	16.178	2263	2270	2281	rVB5	319663	822421	3.01%	0.713%
56	16.413	2305	2310	2321	rVB4	125340	267563	0.98%	0.232%
57	16.531	2325	2330	2337	rBV	207267	322898	1.18%	0.280%
58	16.625	2337	2346	2353	rBV2	400986	732606	2.68%	0.635%
59	16.701	2353	2359	2364	rBV	505529	854589	3.12%	0.741%
60	16.742	2364	2366	2371	rVB2	119051	143502	0.52%	0.124%
61	16.795	2371	2375	2379	rBV4	65079	128126	0.47%	0.111%
62	16.948	2395	2401	2409	rVV4	65310	180408	0.66%	0.156%
63	17.107	2424	2428	2435	rVV	167825	267562	0.98%	0.232%
64	17.230	2444	2449	2452	rVV	336660	551896	2.02%	0.479%
65	17.265	2452	2455	2461	rVV	371629	507670	1.86%	0.440%
66	17.330	2461	2466	2469	rVV	103485	152652	0.56%	0.132%
67	17.389	2473	2476	2480	rVV	177582	269138	0.98%	0.233%
68	17.447	2480	2486	2488	rVV3	265904	579388	2.12%	0.502%
69	17.506	2488	2496	2500	rVV	3461849	6546616	23.93%	5.677%
70	17.553	2500	2504	2507	rVV2	845841	1313878	4.80%	1.139%
71	17.583	2507	2509	2516	rVV	315287	417986	1.53%	0.362%

LSC Area Percent Report

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Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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-BG123015.M
Title : SVOA CALIBRATION

72	17.876	2544	2559	2565	rVV	3001739	6729707	24.60%	5.835%
73	17.947	2565	2571	2577	rVV2	568721	1239834	4.53%	1.075%
74	18.012	2577	2582	2588	rVB	756584	1192019	4.36%	1.034%
75	18.088	2588	2595	2601	rBV5	174349	414963	1.52%	0.360%
76	18.200	2609	2614	2618	rVV3	91480	130639	0.48%	0.113%
77	18.288	2624	2629	2632	rBV	317050	475477	1.74%	0.412%
78	18.370	2638	2643	2650	rBV2	928485	1538402	5.62%	1.334%
79	18.440	2650	2655	2662	rVB2	478182	786607	2.88%	0.682%
80	18.517	2662	2668	2677	rVB3	365036	662016	2.42%	0.574%
81	18.599	2677	2682	2683	rBV	231082	318194	1.16%	0.276%
82	18.664	2690	2693	2697	rBV	188439	215320	0.79%	0.187%
83	18.758	2704	2709	2714	rBV2	335626	486841	1.78%	0.422%
84	18.811	2714	2718	2722	rVB2	215381	293907	1.07%	0.255%
85	18.863	2722	2727	2731	rBV	204170	314828	1.15%	0.273%
86	19.022	2750	2754	2762	rVV4	80456	172253	0.63%	0.149%
87	19.116	2766	2770	2776	rVV3	168524	311543	1.14%	0.270%
88	19.492	2827	2834	2839	rVB	651588	931839	3.41%	0.808%
89	19.686	2861	2867	2874	rBV4	137295	288588	1.05%	0.250%
90	19.827	2885	2891	2894	rBV	610832	1015075	3.71%	0.880%
91	19.856	2894	2896	2904	rVB2	486864	654634	2.39%	0.568%
92	20.232	2955	2960	2966	rVB	346605	474992	1.74%	0.412%
93	20.315	2966	2974	2985	rBV	396045	760682	2.78%	0.660%
94	20.914	3071	3076	3079	rVV	82963	139836	0.51%	0.121%
95	20.961	3079	3084	3094	rVB3	241291	443323	1.62%	0.384%
96	21.713	3204	3212	3218	rBV2	367281	655848	2.40%	0.569%
97	22.359	3312	3322	3328	rBV	65855	136530	0.50%	0.118%
98	23.170	3450	3460	3471	rVB3	44993	119957	0.44%	0.104%
99	24.745	3714	3728	3742	rBV	312630	832040	3.04%	0.721%
100	24.962	3753	3765	3777	rBV2	163207	474691	1.74%	0.412%

Sum of corrected areas: 115325885

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
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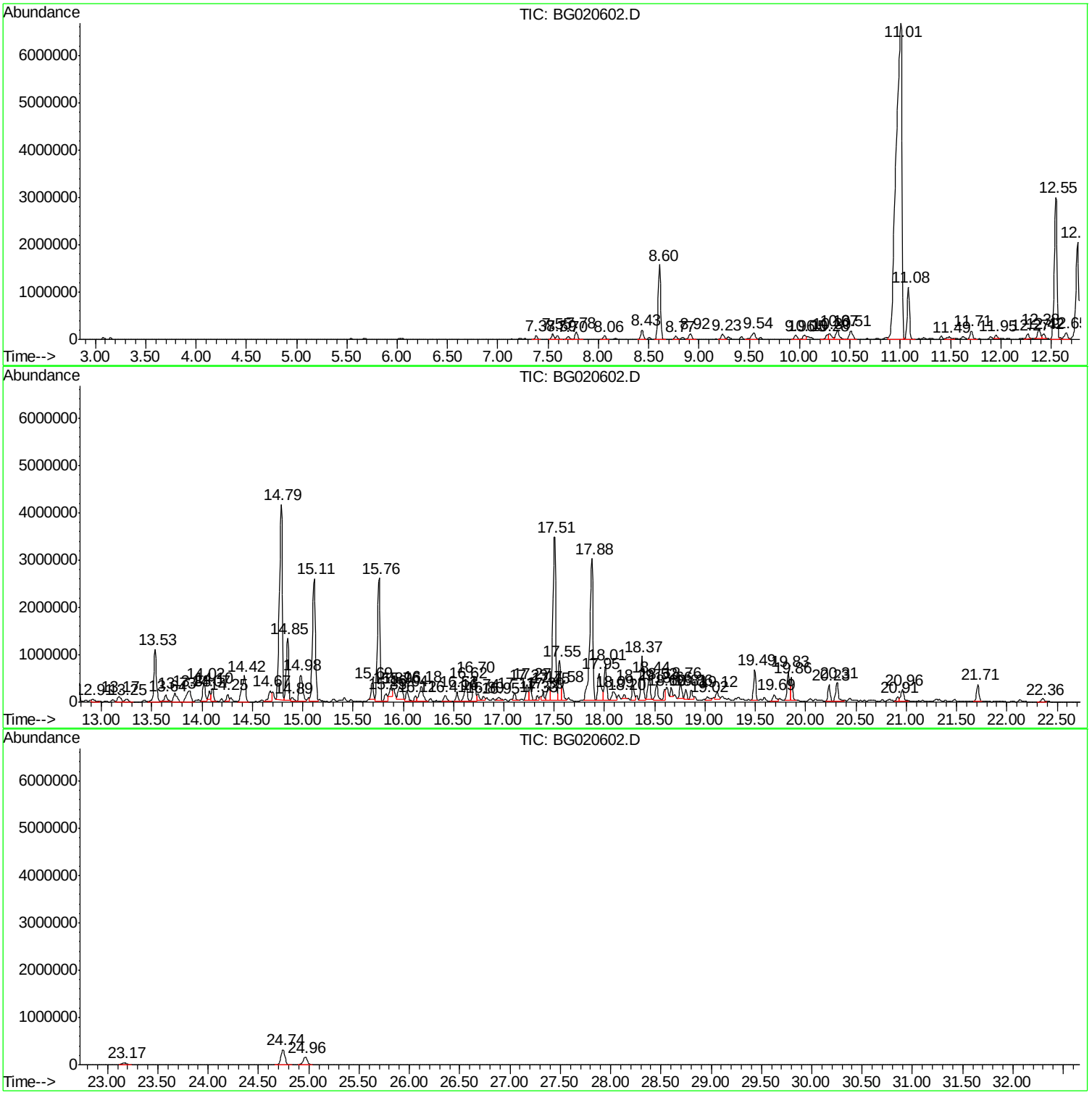
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
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Quant Title : SVOA CALIBRATION

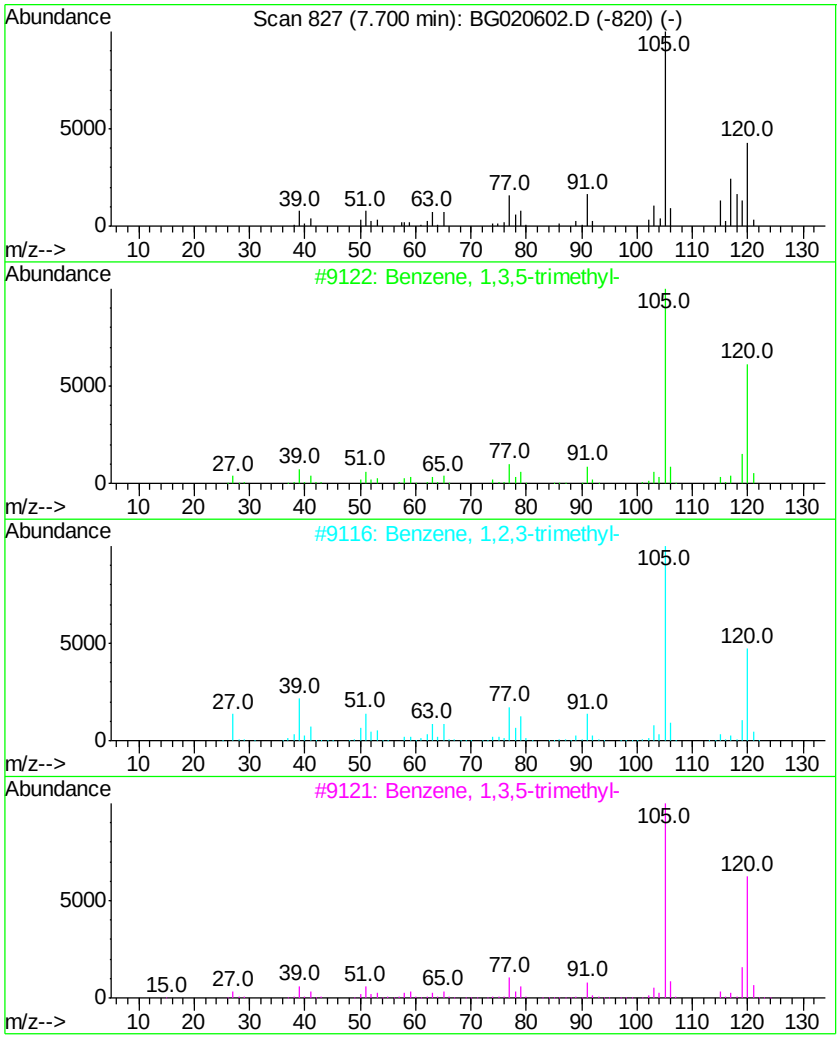
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

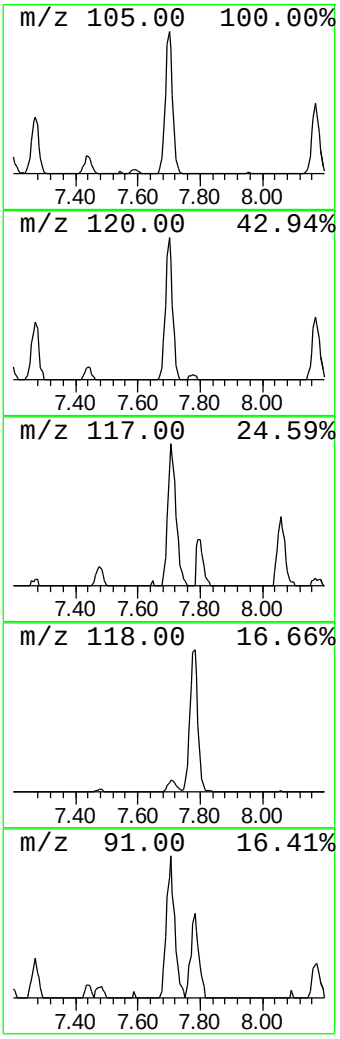
****

Peak Number 1 Benzene, 1,3,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	17.65 ng/ul	119442	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	70
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	64
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

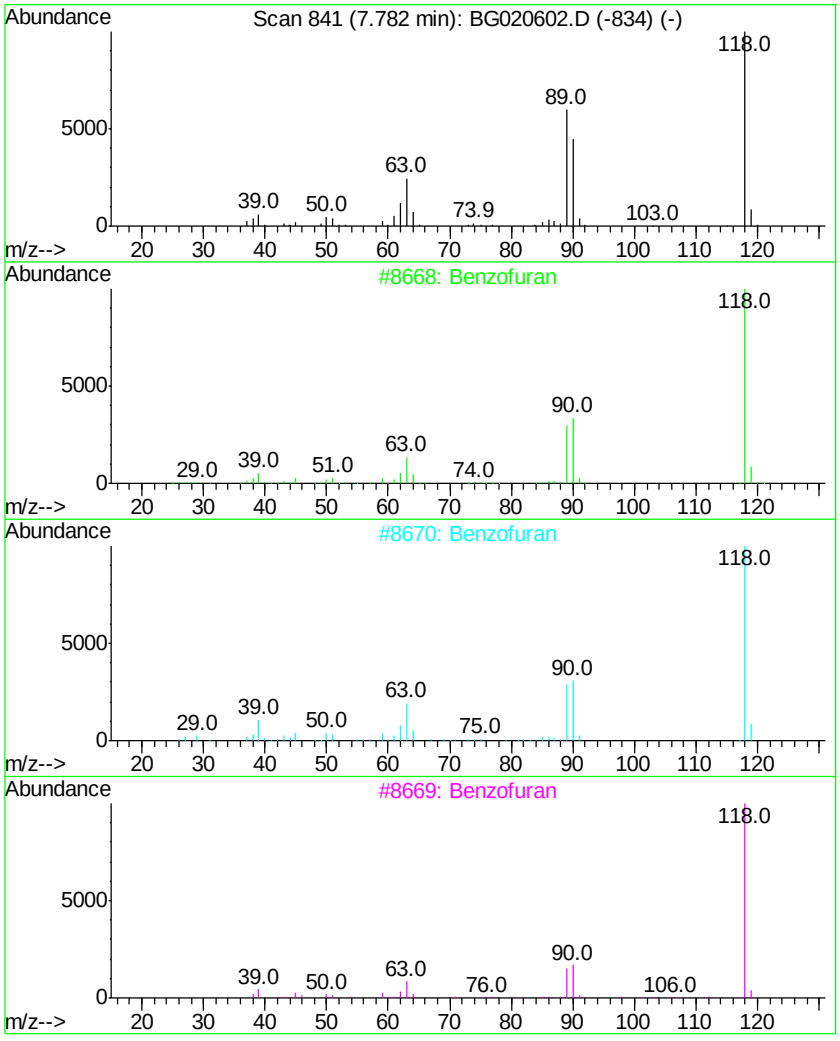
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

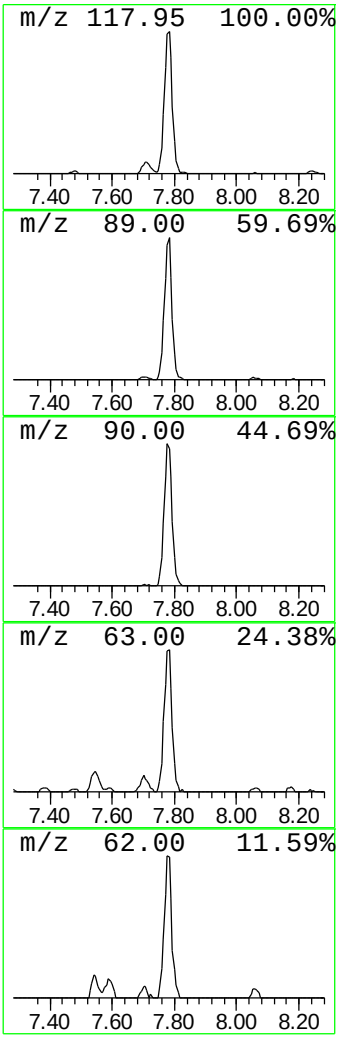
****

Peak Number 2 Benzofuran Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	40.06 ng/ul	271107	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	87
4	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	59
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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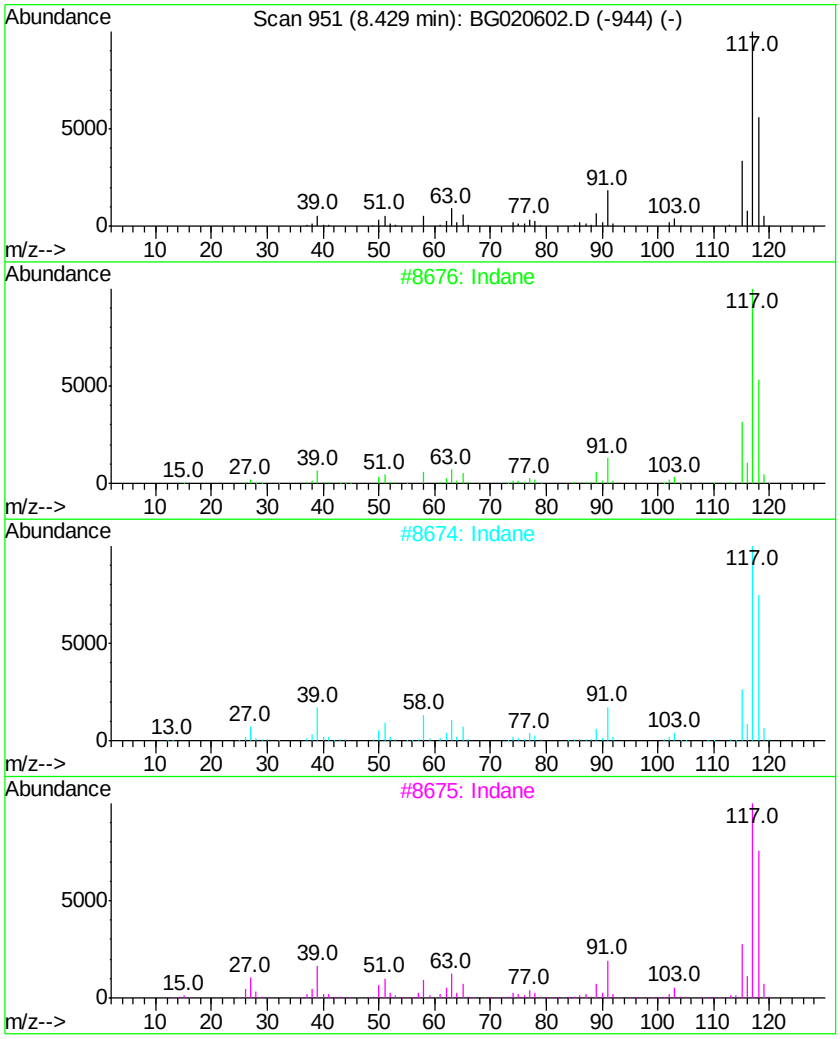
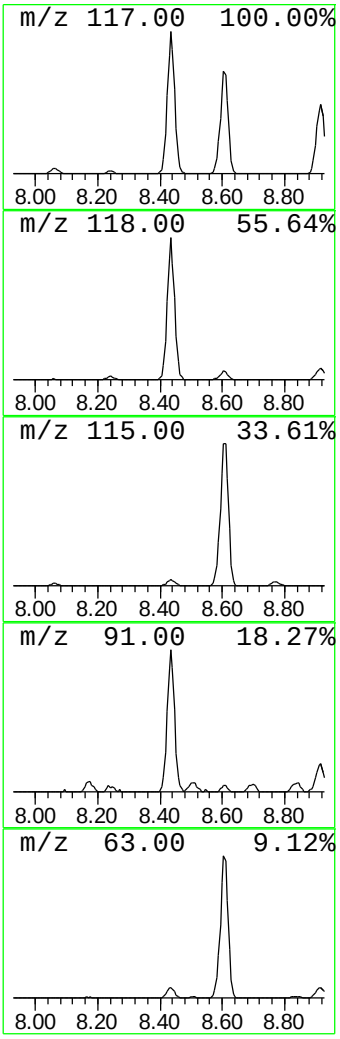
Peak Number 3 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	50.89 ng/ul	344399	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	74
5	Deltacyclene	118	C9H10	007785-10-6	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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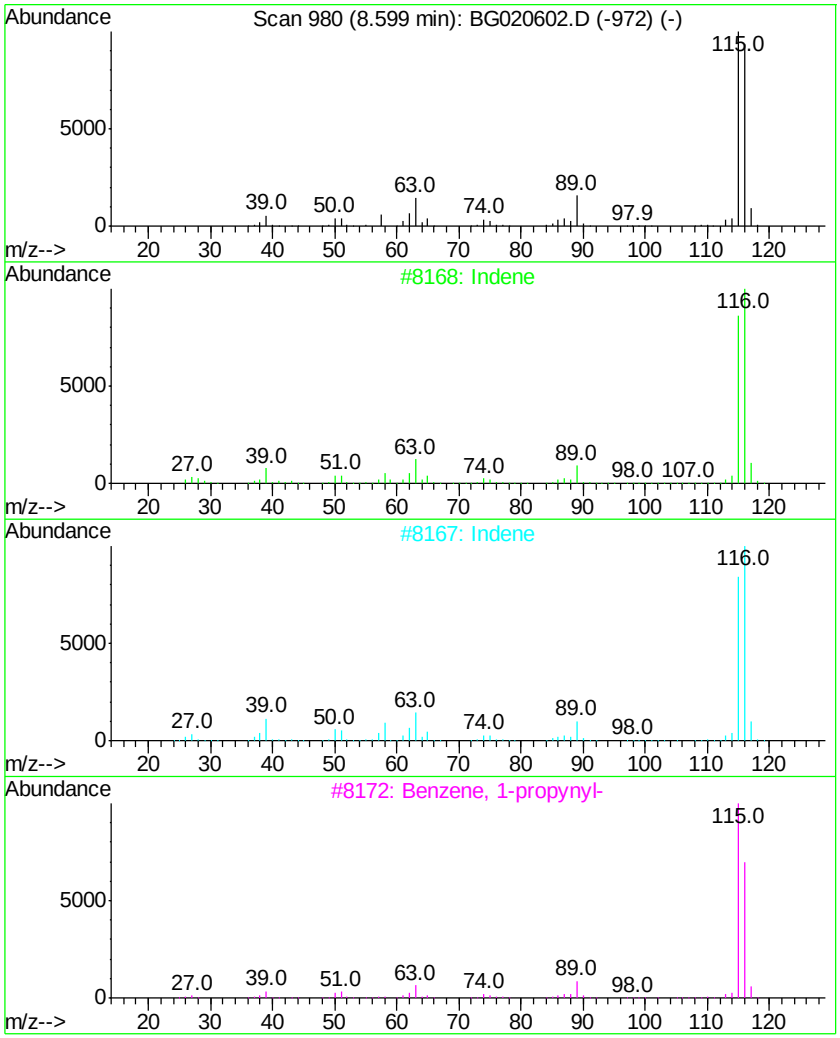
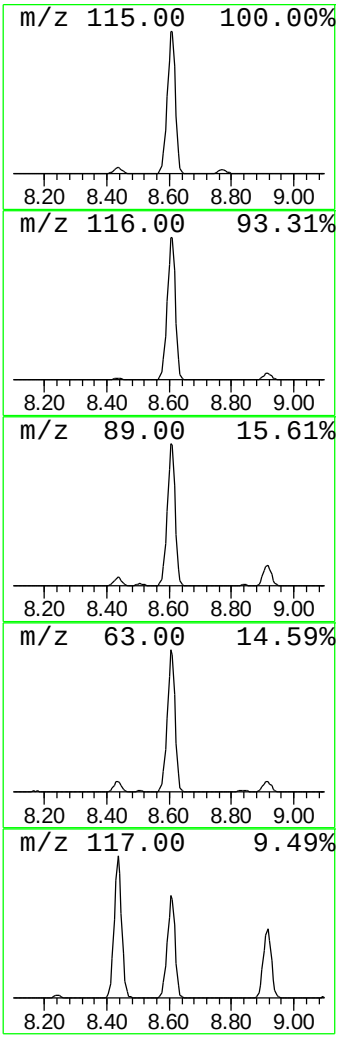
Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	425.02 ng/ul	2876200	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

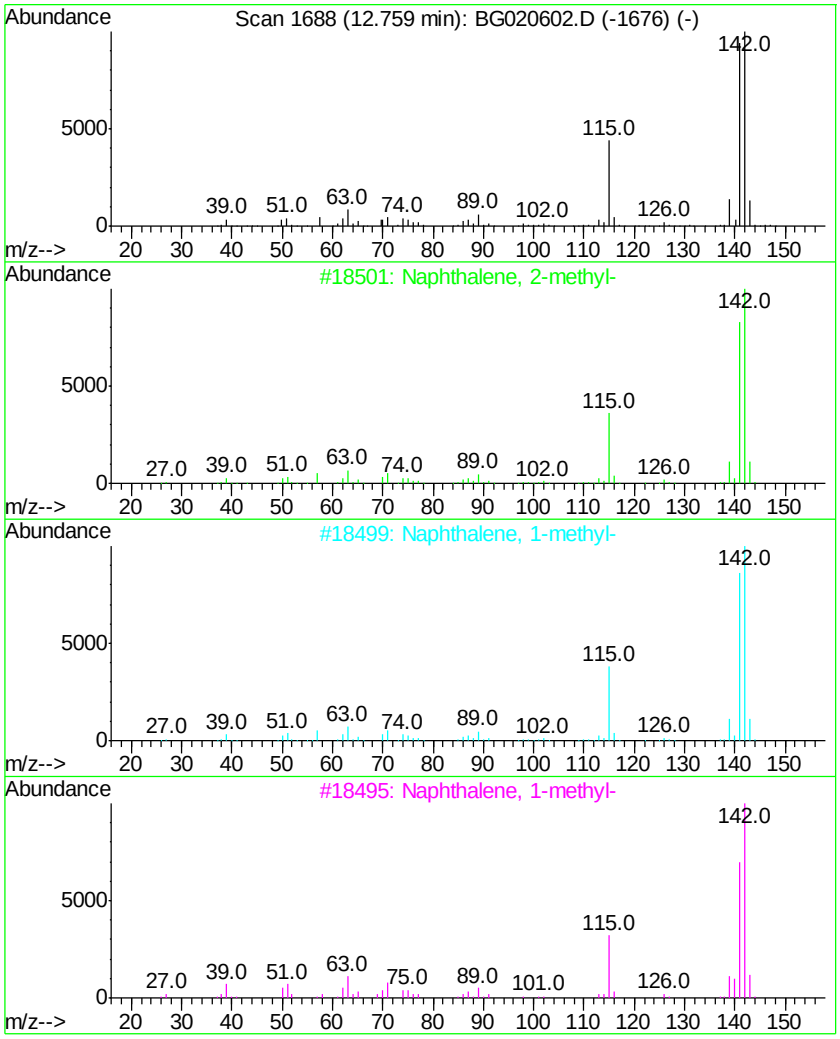
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

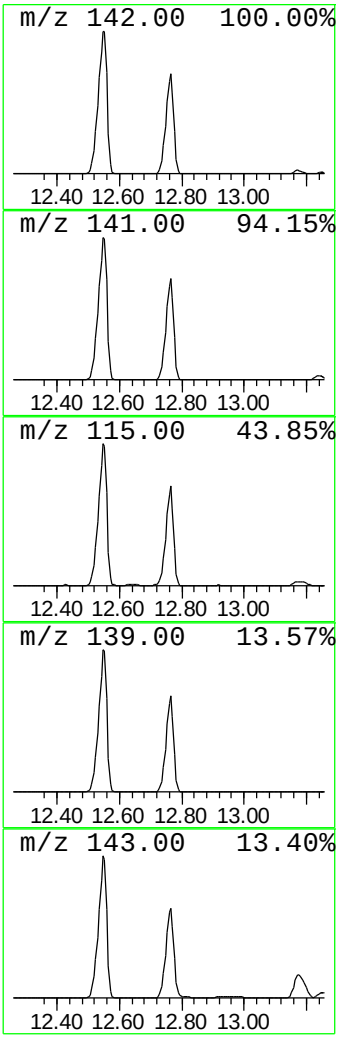
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	2.76 ng/ul	3779660	Naphthalene-d8	10.91

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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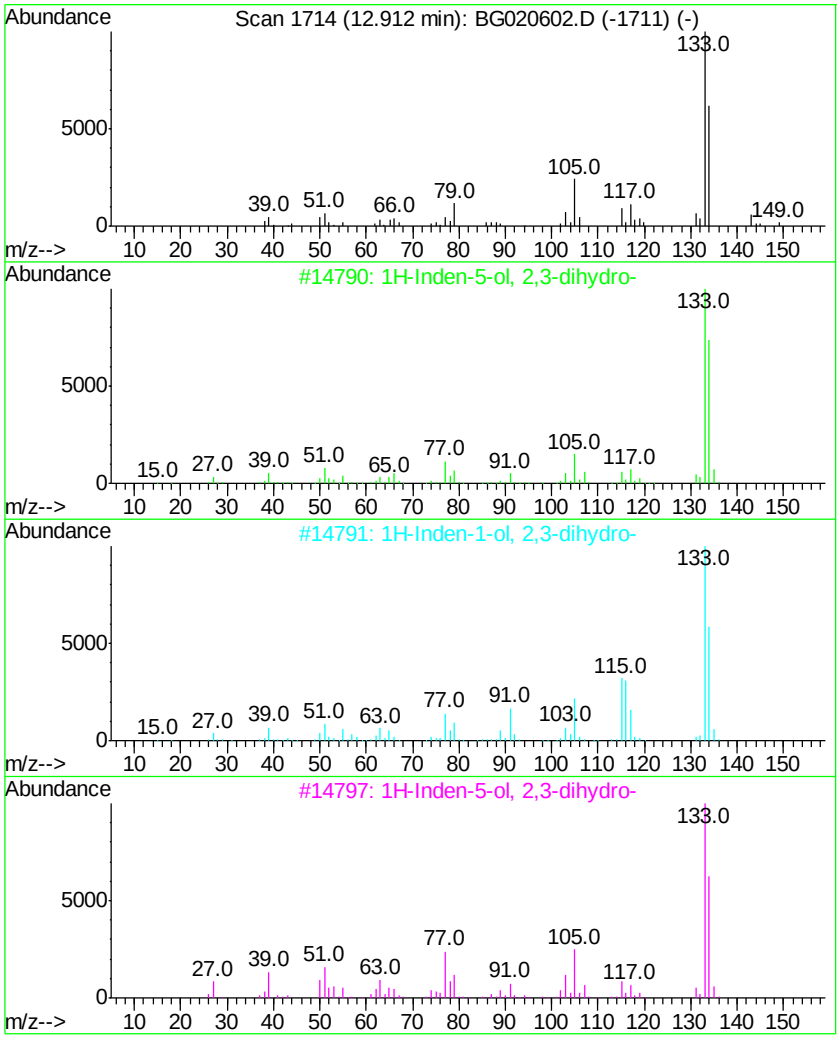
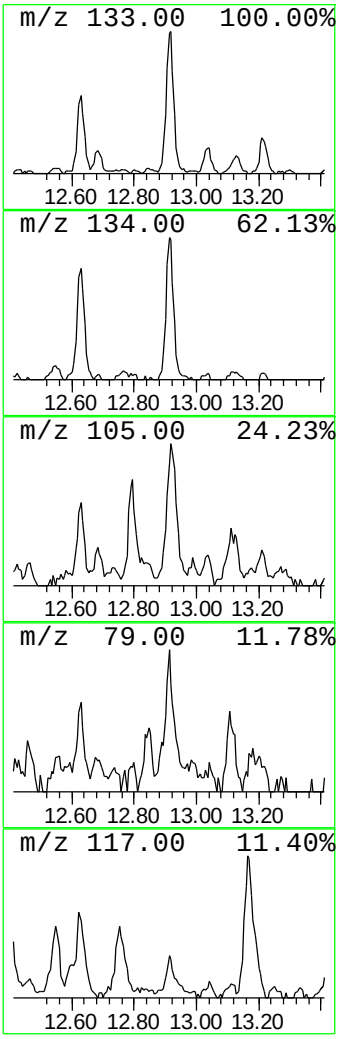
Peak Number 6 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	6.12 ng/ul	144238	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	90
2	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	64
3	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	64
4	Pyrazine, 2-methyl-5-(1-propenyl...	134	C8H10N2	018217-82-8	58
5	Pyrazine, 2-methyl-6-(1-propenyl...	134	C8H10N2	018217-81-7	53





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Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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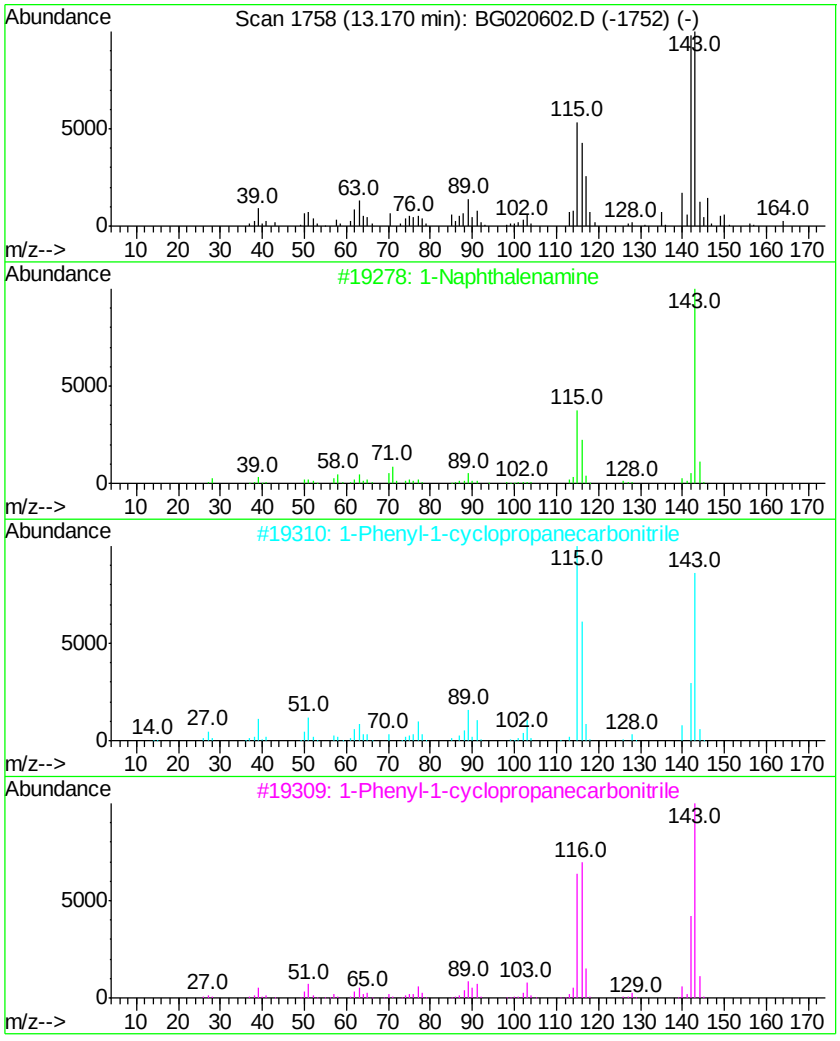
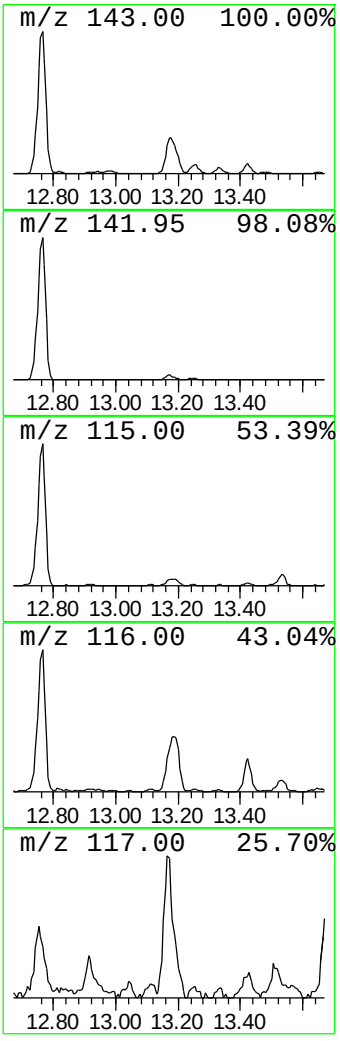
Peak Number 7 1-Naphthalenamine Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	13.04 ng/ul	307228	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenamine	143	C10H9N	000134-32-7	64
2	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	64
3	1-Phenyl-1-cyclopropanecarbonitrile	143	C10H9N	000935-44-4	58
4	Quinoline, 8-methyl-	143	C10H9N	000611-32-5	53
5	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	52





Library Search Compound Report

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Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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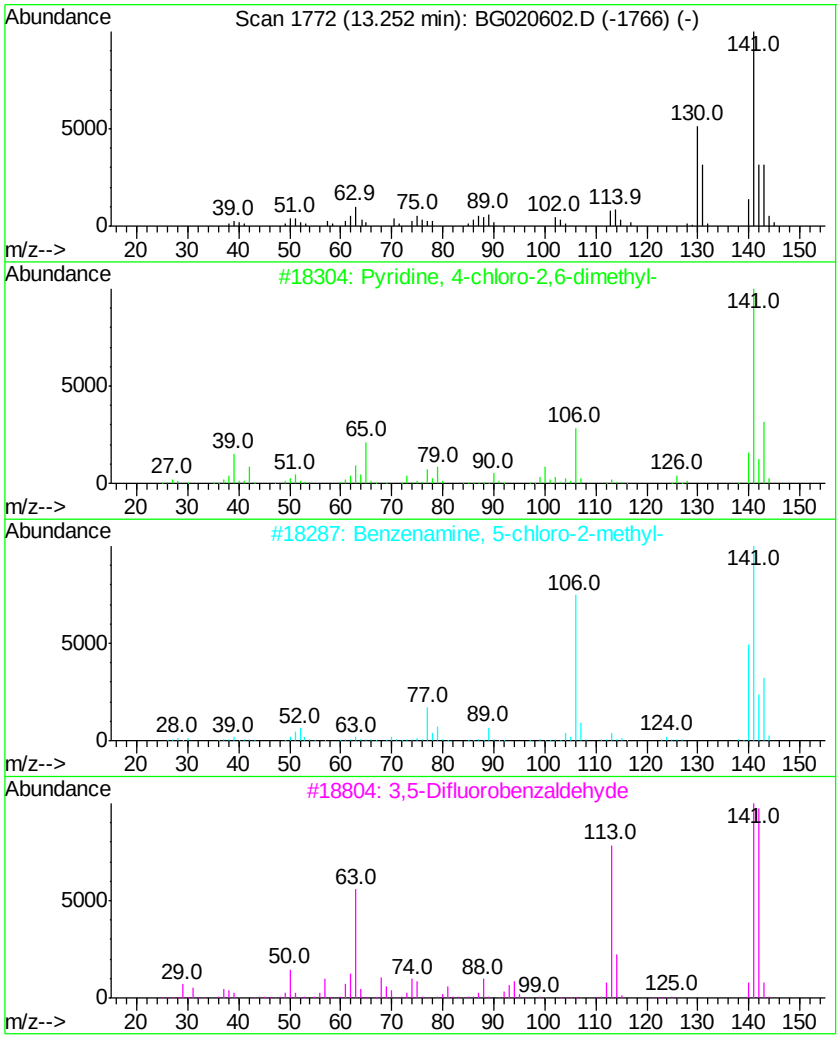
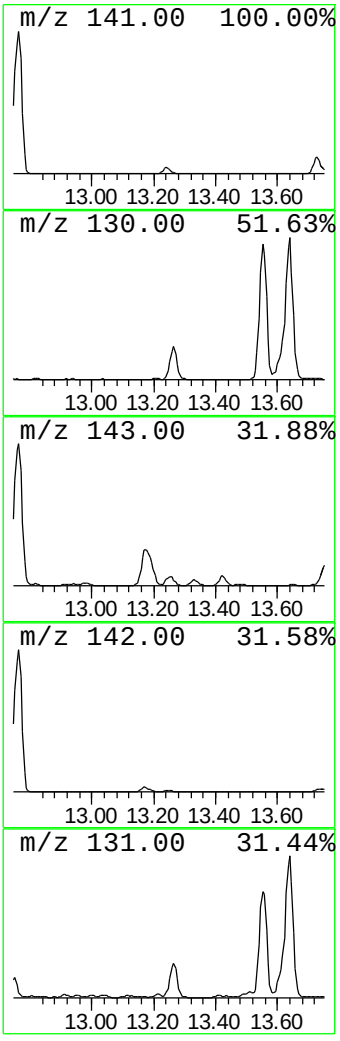
Peak Number 8 unknown-01 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	6.69 ng/ul	157619	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 4-chloro-2,6-dimethyl-	141	C7H8ClN	003512-75-2	33
2	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	33
3	3,5-Difluorobenzaldehyde	142	C7H4F2O	032085-88-4	9
4	2-CHLOROMETHYL-5-METHYLPYRIDINE	141	C7H8ClN	1000241-93-8	9
5	2,6-Difluorobenzaldehyde	142	C7H4F2O	000437-81-0	9





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Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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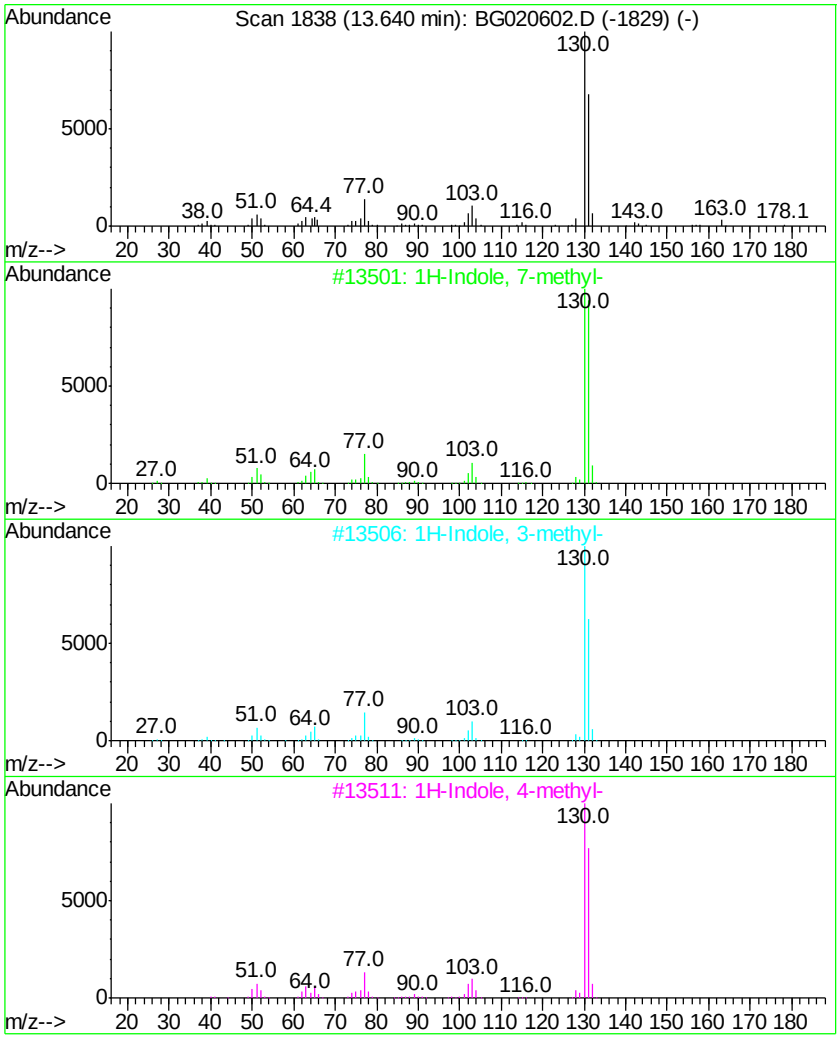
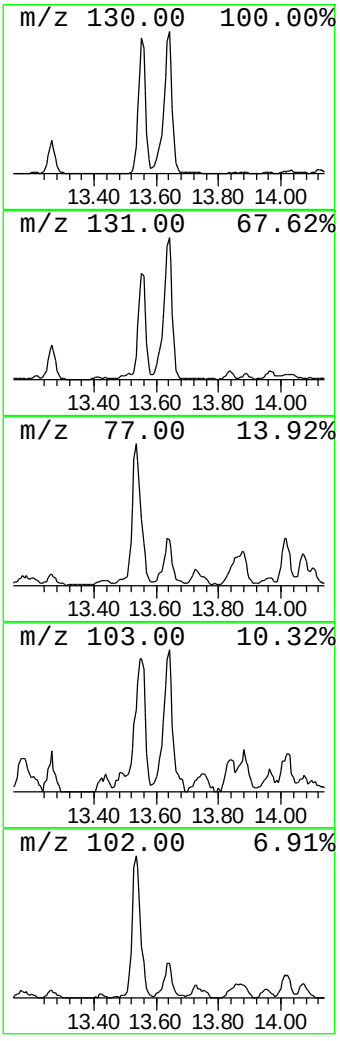
Peak Number 9 1H-Indole, 7-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	11.13 ng/ul	262201	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 7-methyl-	131	C9H9N	000933-67-5	95
2	1H-Indole, 3-methyl-	131	C9H9N	000083-34-1	94
3	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	94
4	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	94
5	1H-Indole, 2-methyl-	131	C9H9N	000095-20-5	94





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Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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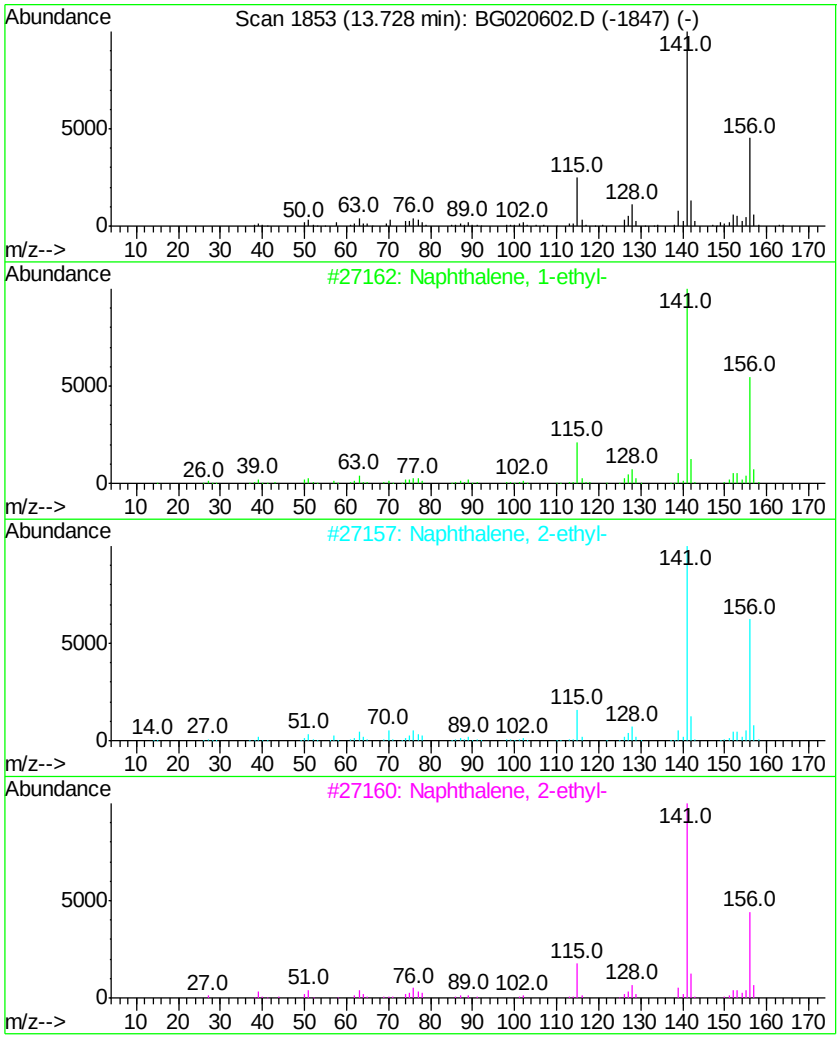
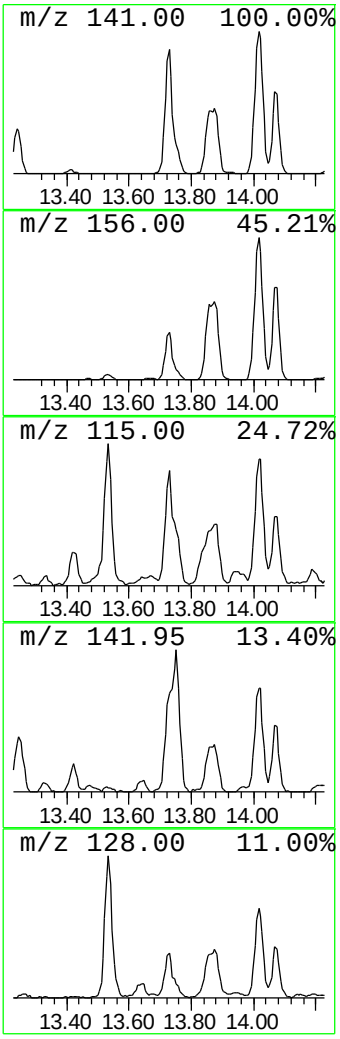
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	20.17 ng/ul	475336	Acenaphthene-d10	14.70

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, 1-ethyl-	156	C12H12	001127-76-0	94





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Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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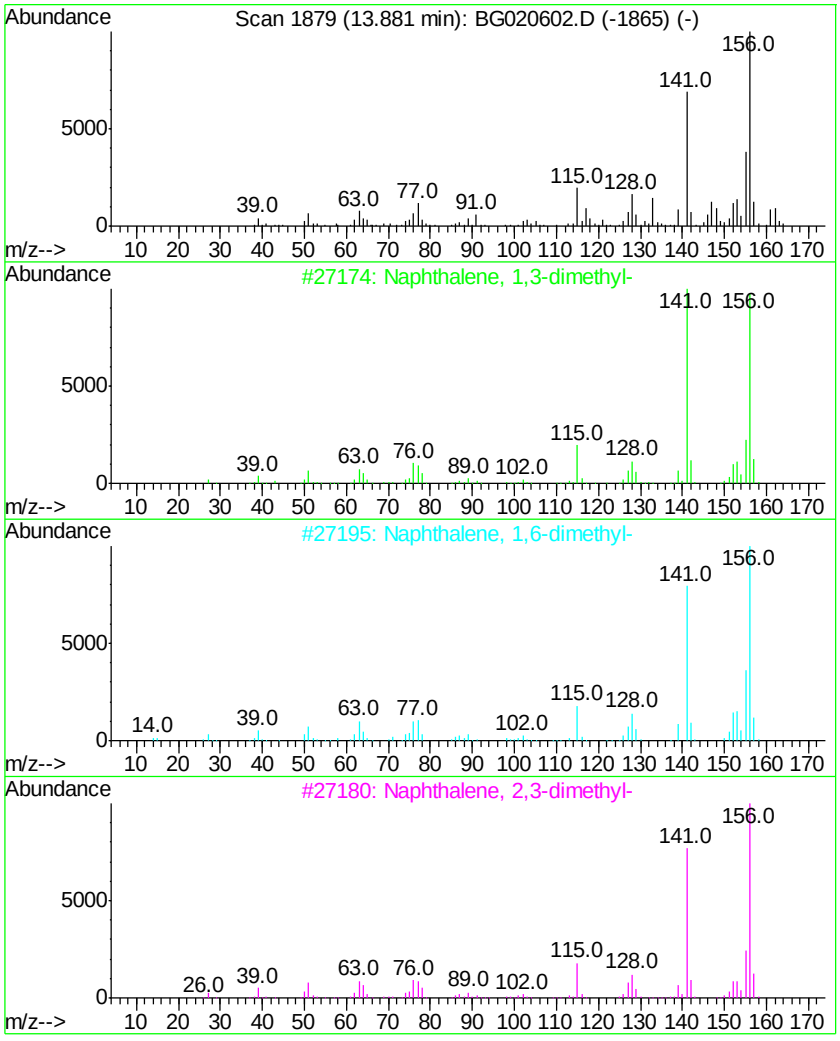
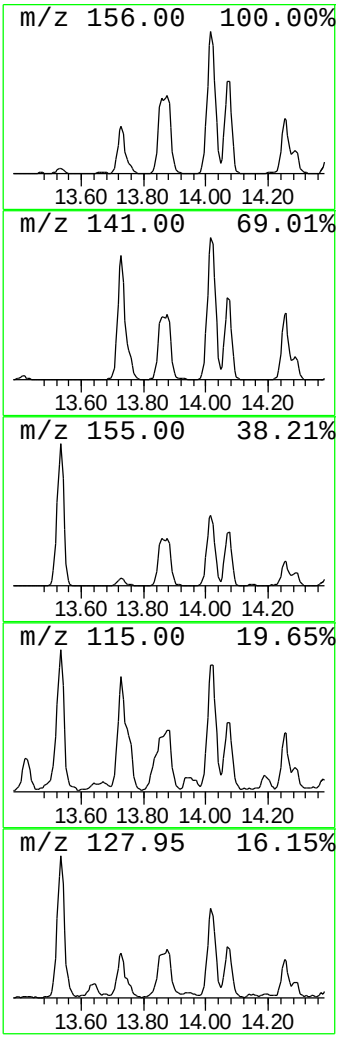
Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	32.93 ng/ul	775950	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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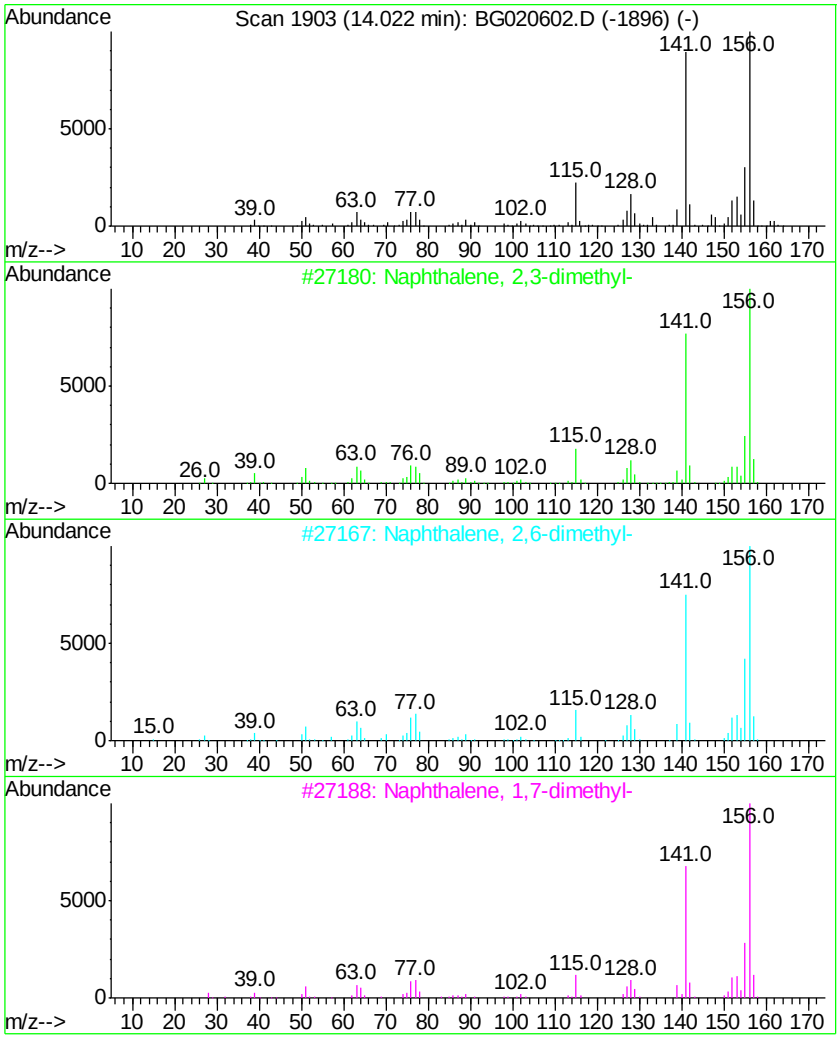
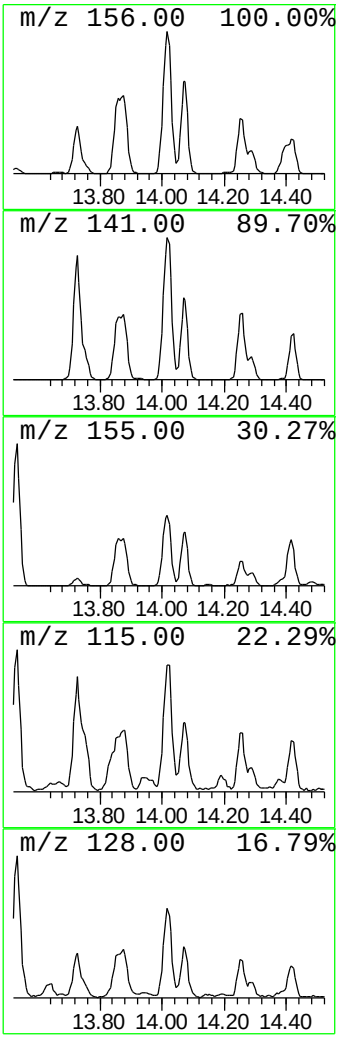
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	29.18 ng/ul	687734	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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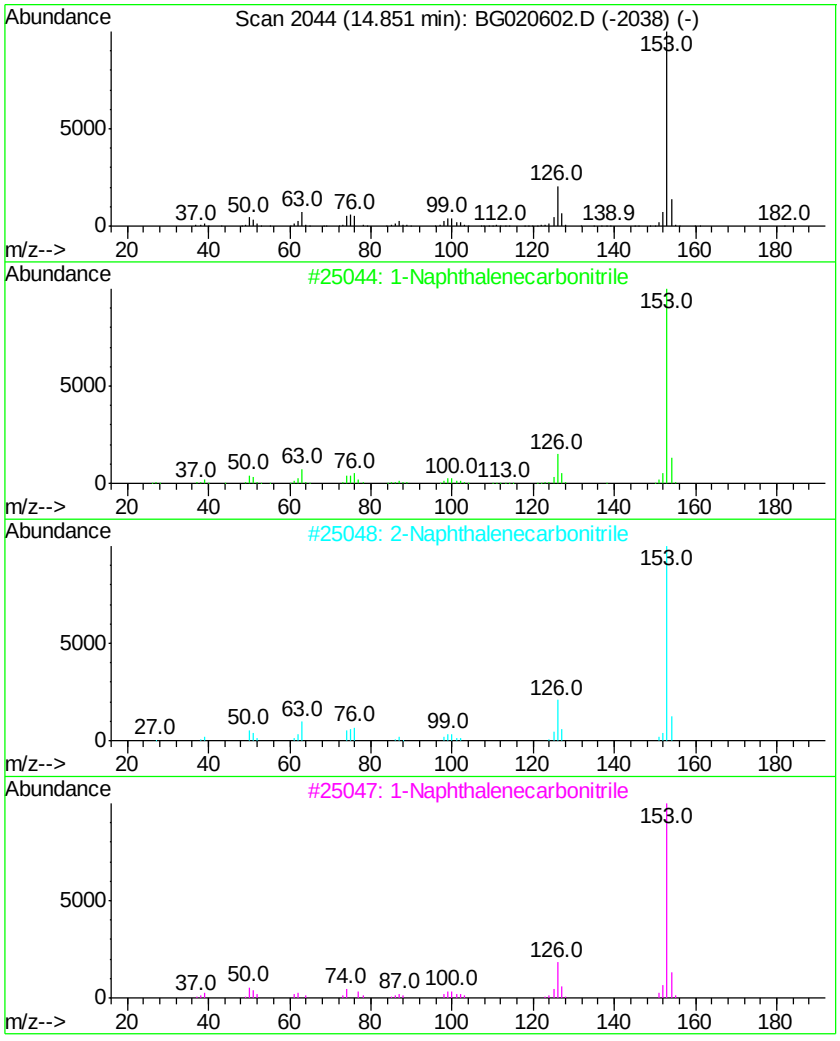
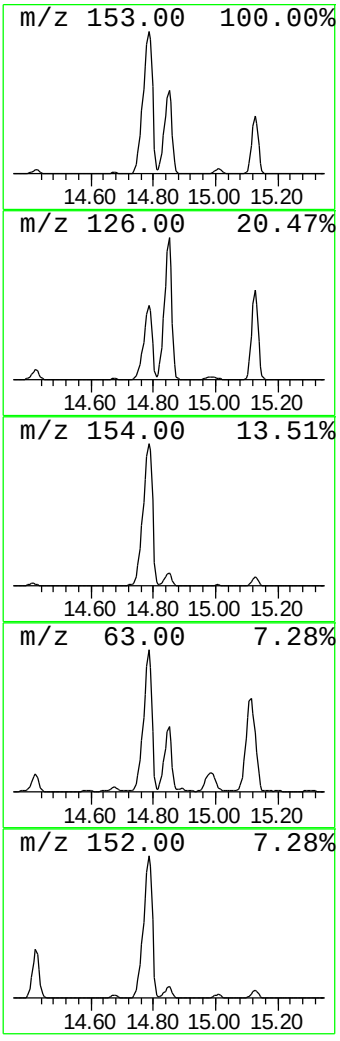
Peak Number 14 1-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	92.91 ng/ul	2189500	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90





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Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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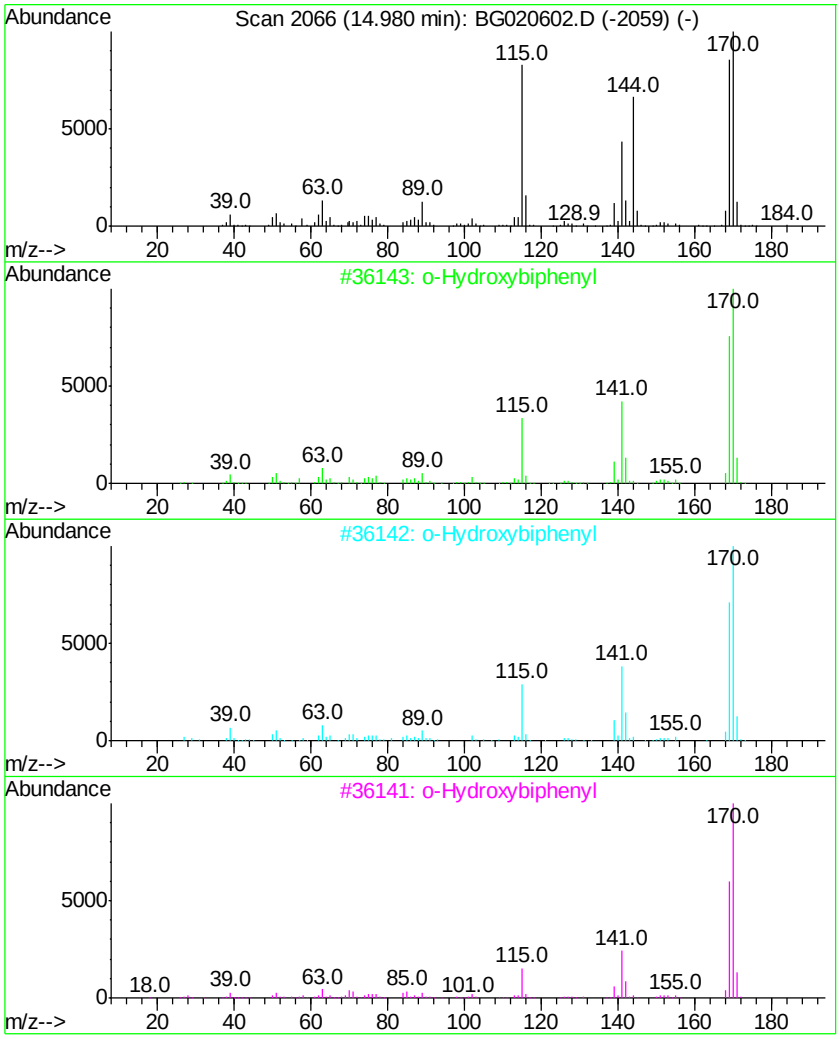
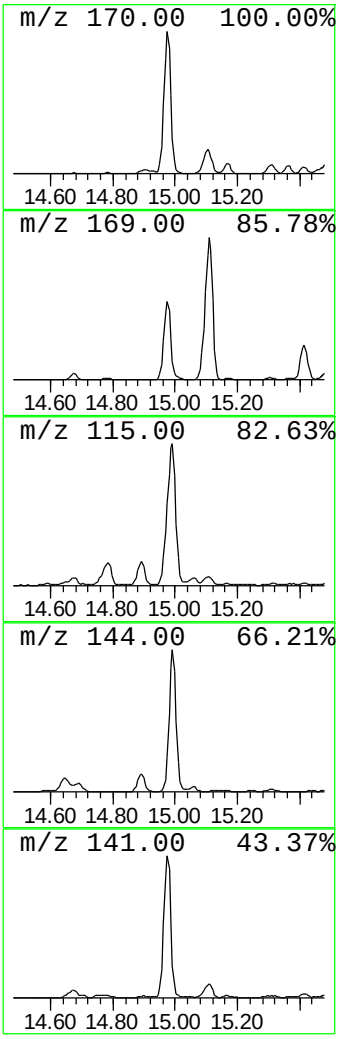
Peak Number 15 o-Hydroxybiphenyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	55.74 ng/ul	1313600	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	93
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	70
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	53
4	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	52
5	5-Methyl-thieno[2,3-d]thiazol-2-...	170	C6H6N2S2	041940-59-4	45





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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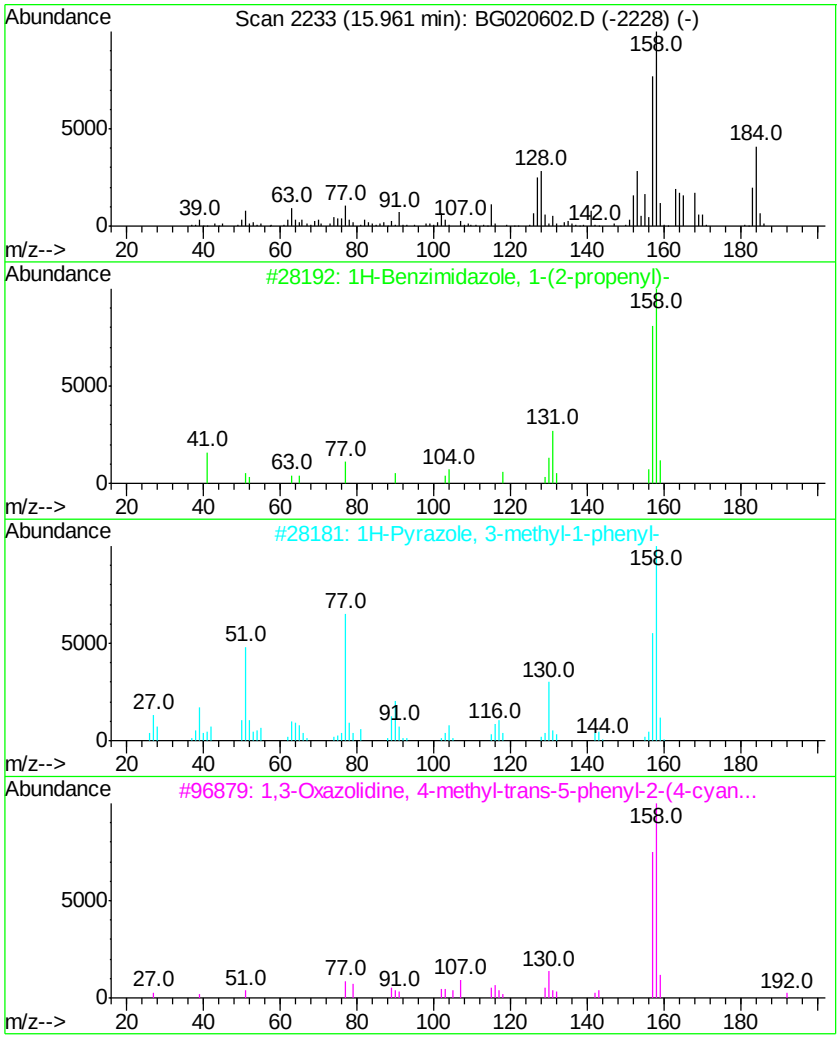
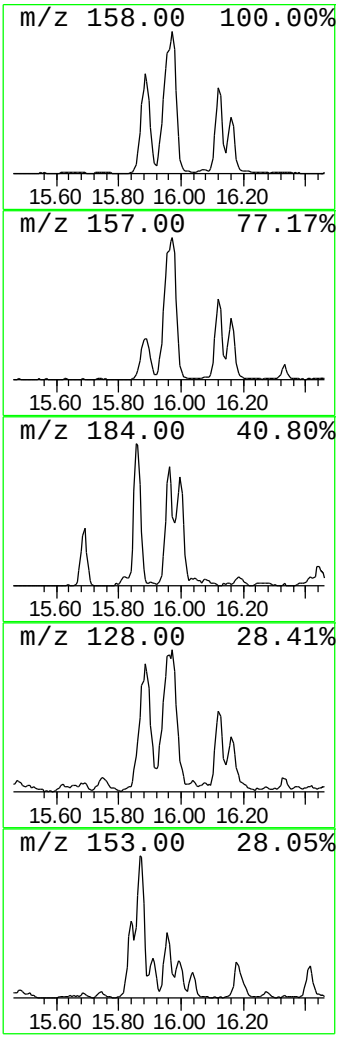
Peak Number 16 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	32.00 ng/ul	754139	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 1-(2-propenyl)-	158	C10H10N2	019018-22-5	43
2	1H-Pyrazole, 3-methyl-1-phenyl-	158	C10H10N2	001128-54-7	38
3	1,3-Oxazolidine, 4-methyl-trans-...	264	C17H16N2O	1000138-86-9	32
4	1,3-Oxazolidine, 4-methyl-cis-5-...	264	C17H16N2O	1000138-86-2	32
5	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	25





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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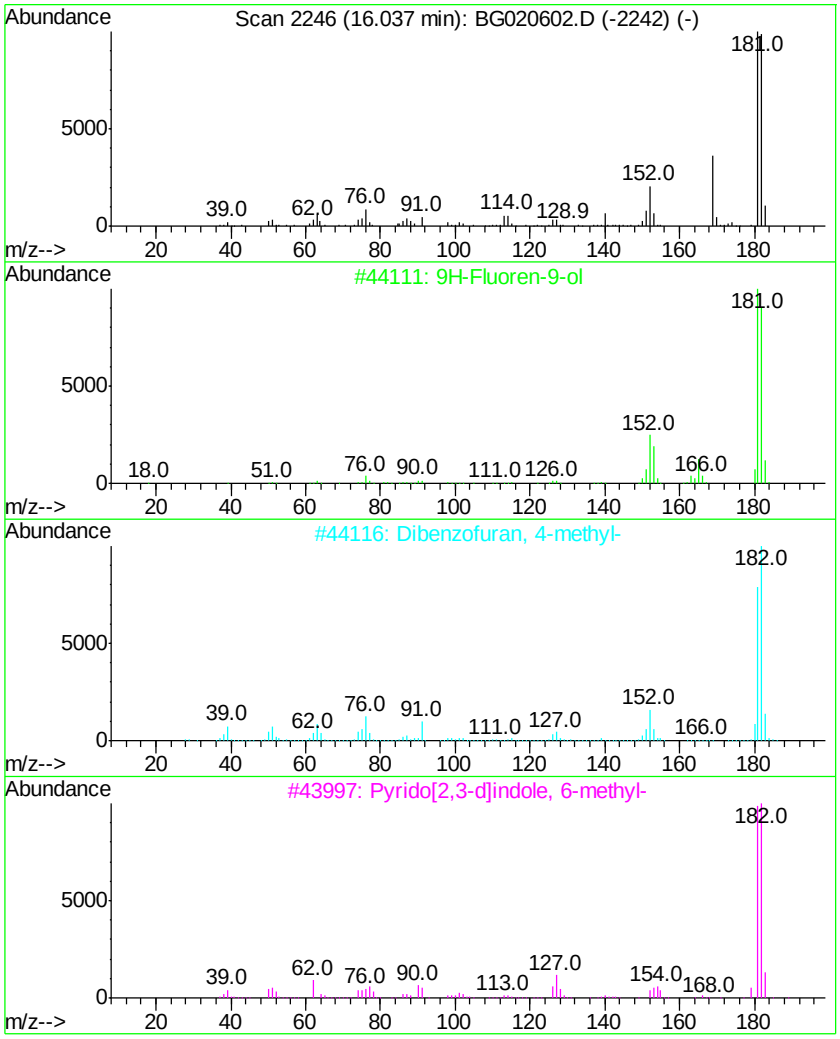
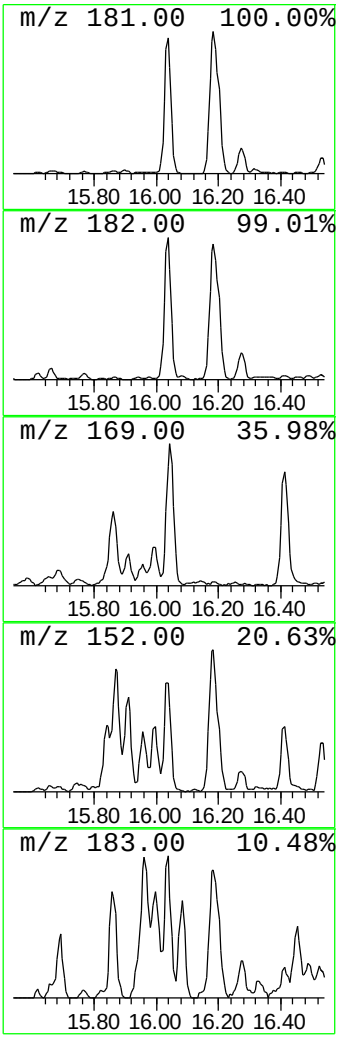
Peak Number 17 9H-Fluoren-9-ol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	14.64 ng/ul	345126	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	60
3	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	59
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59





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Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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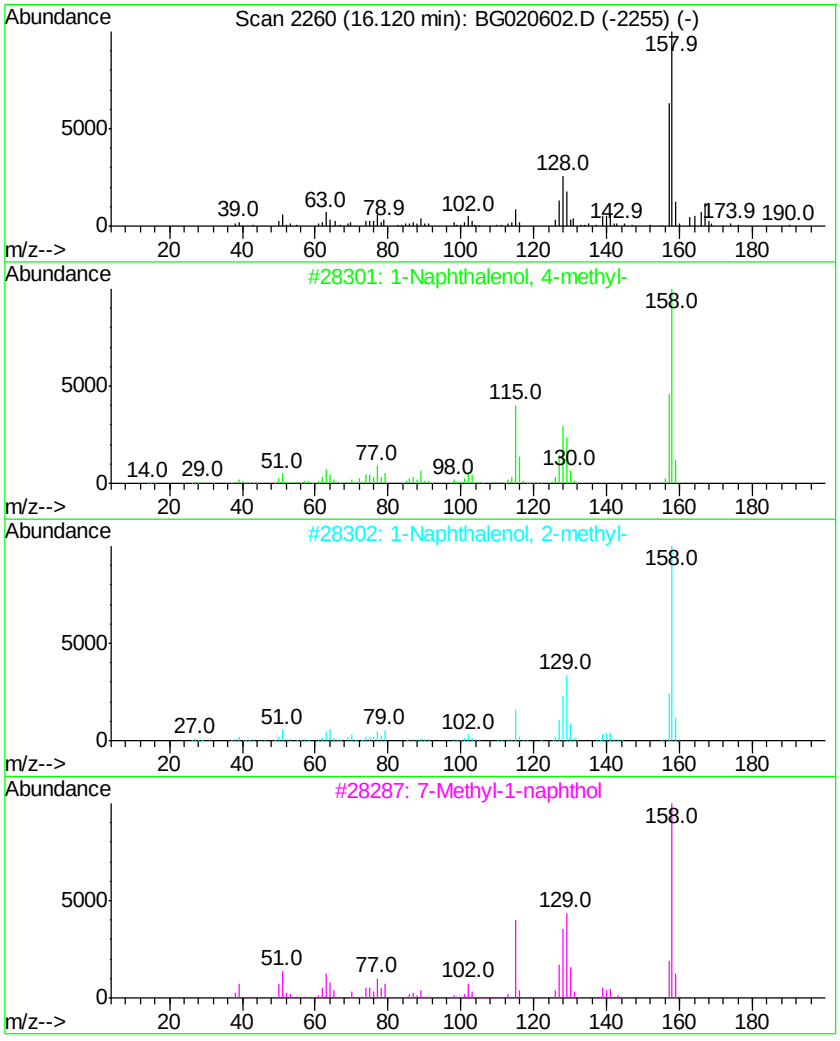
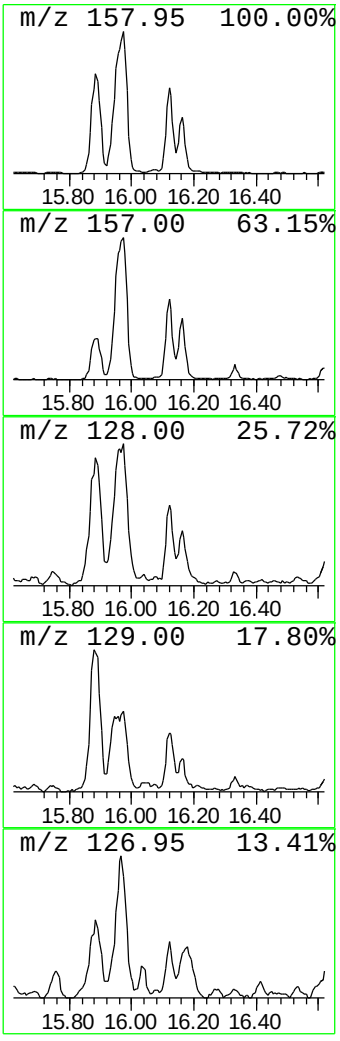
Peak Number 18 1-Naphthalenol, 4-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	5.98 ng/ul	173218	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	72
2	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	62
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	58
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	52
5	1H-Pyrazole, 3-methyl-1-phenyl-	158	C10H10N2	001128-54-7	50





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Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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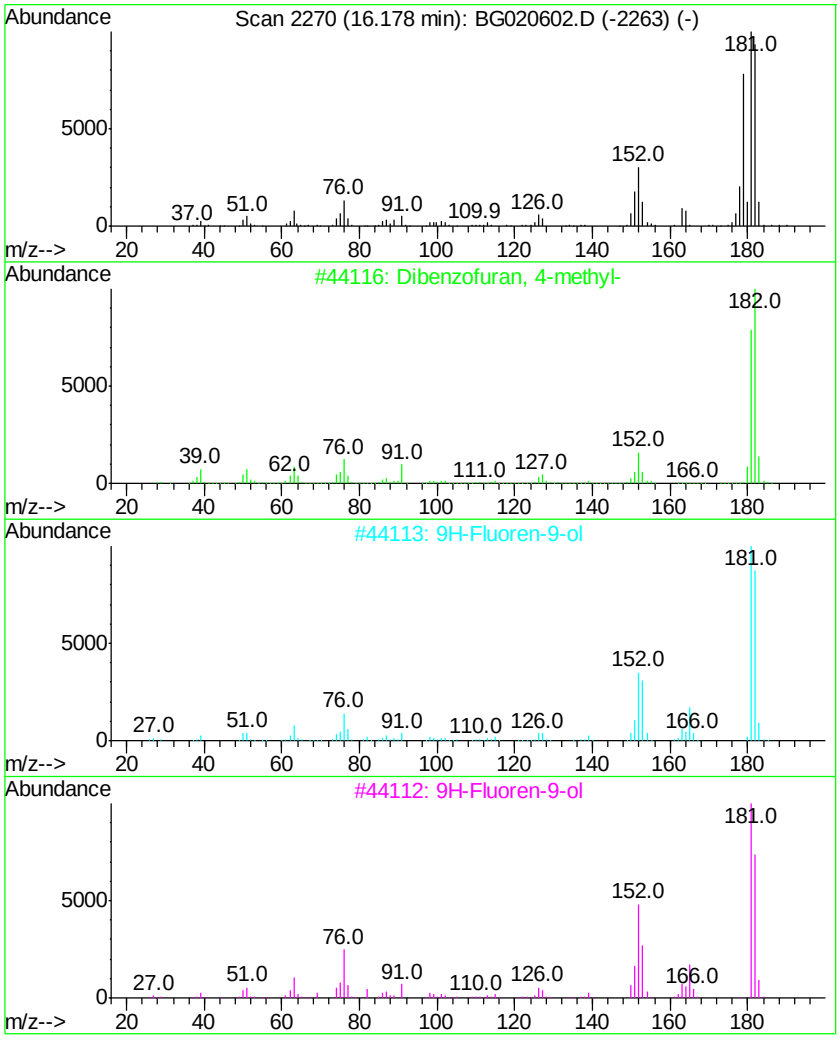
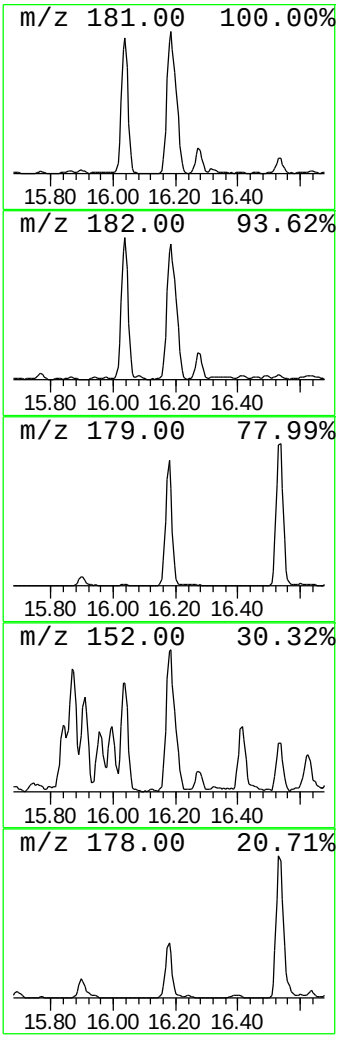
Peak Number 19 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	28.39 ng/ul	822421	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	60
4	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	46
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	43





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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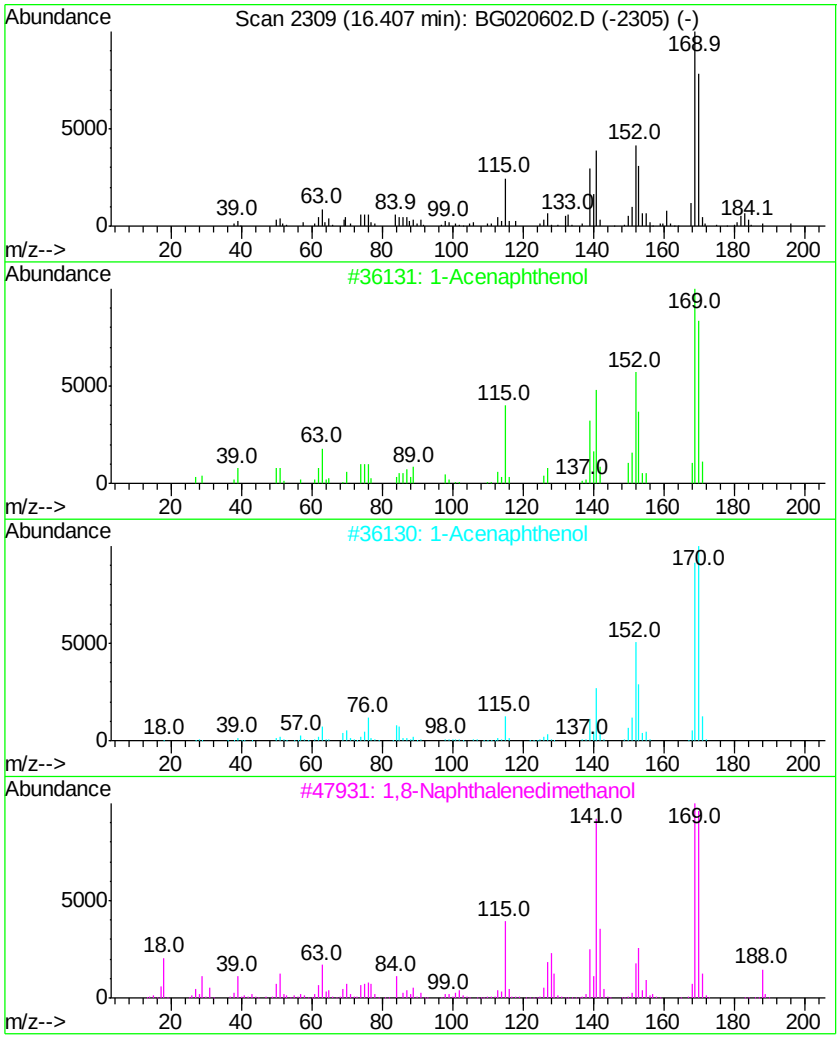
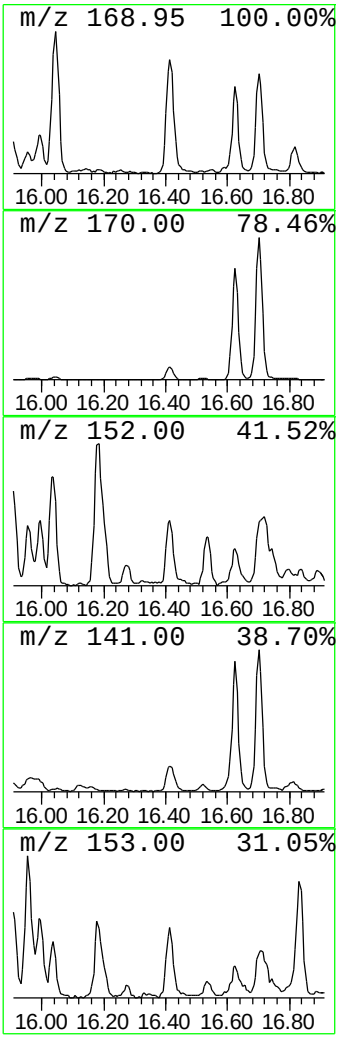
Peak Number 20 1-Acenaphthenol Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	9.24 ng/ul	267563	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	91
2	1-Acenaphthenol	170	C12H10O	006306-07-6	74
3	1,8-Naphthalenedimethanol	188	C12H12O2	002026-08-6	47
4	Benzaldehyde, 2-fluoro-3-hydroxy...	170	C8H7FO3	079418-73-8	38
5	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	35





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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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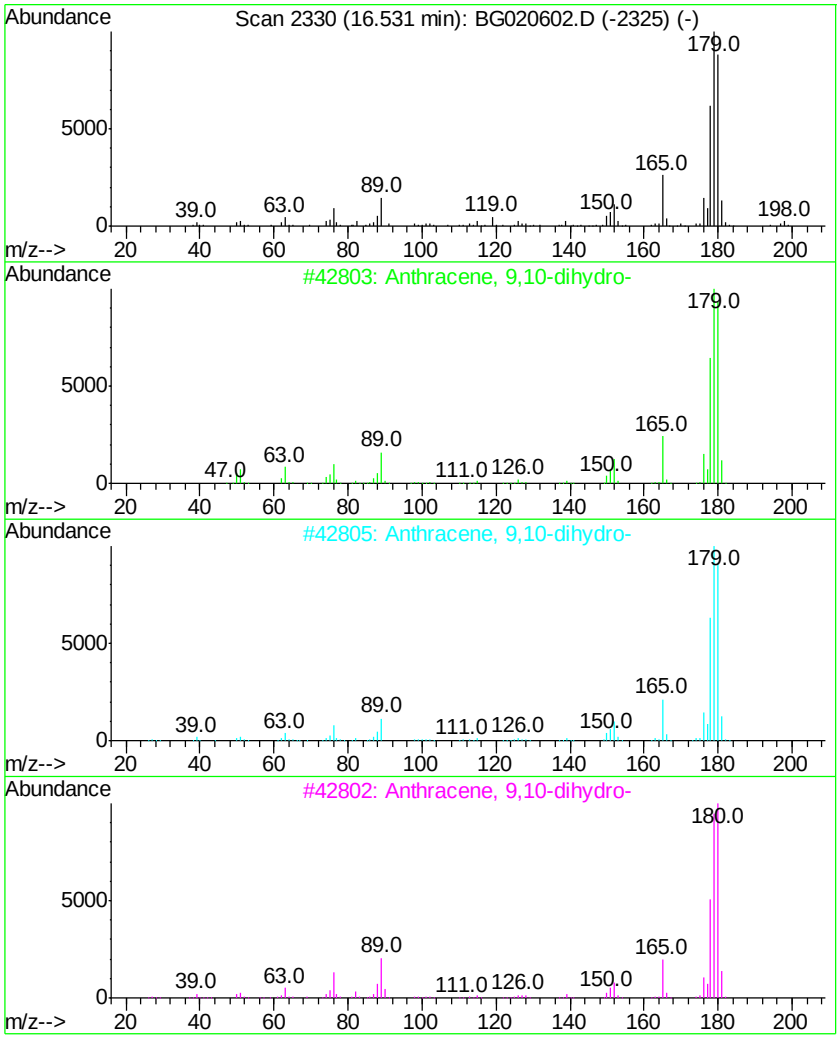
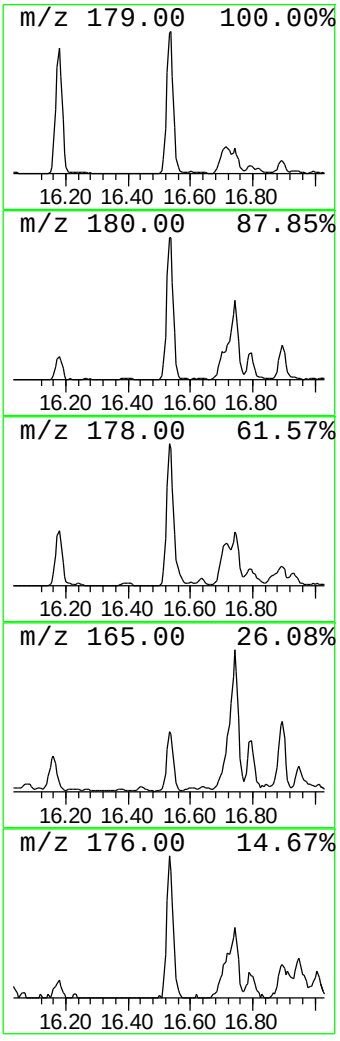
Peak Number 21 Anthracene, 9,10-dihydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	11.15 ng/ul	322898	Phenanthrene-d10	17.45

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	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	91





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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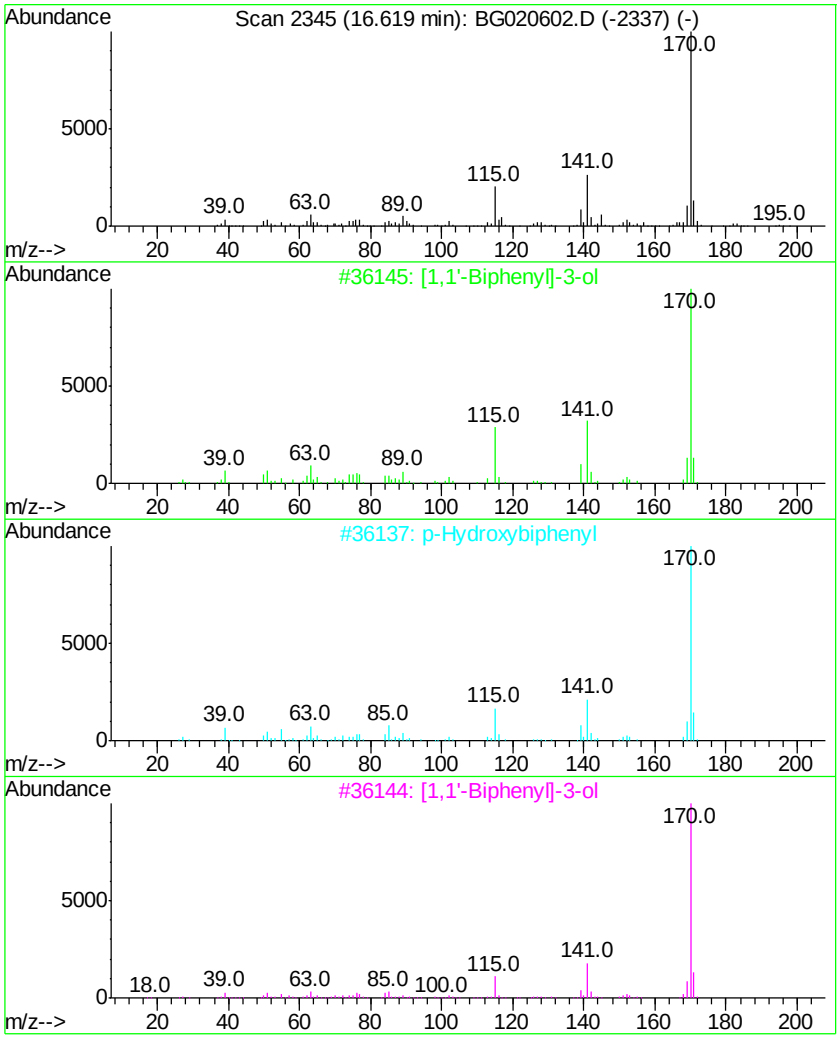
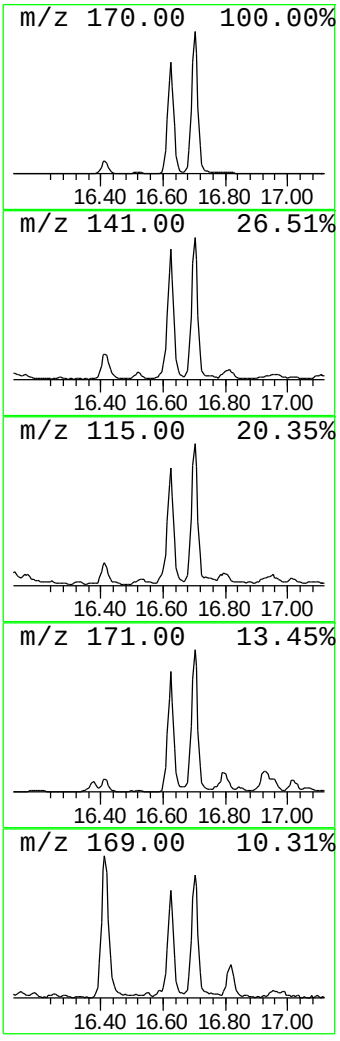
Peak Number 22 [1,1'-Biphenyl]-3-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	25.29 ng/ul	732606	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	95
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	90





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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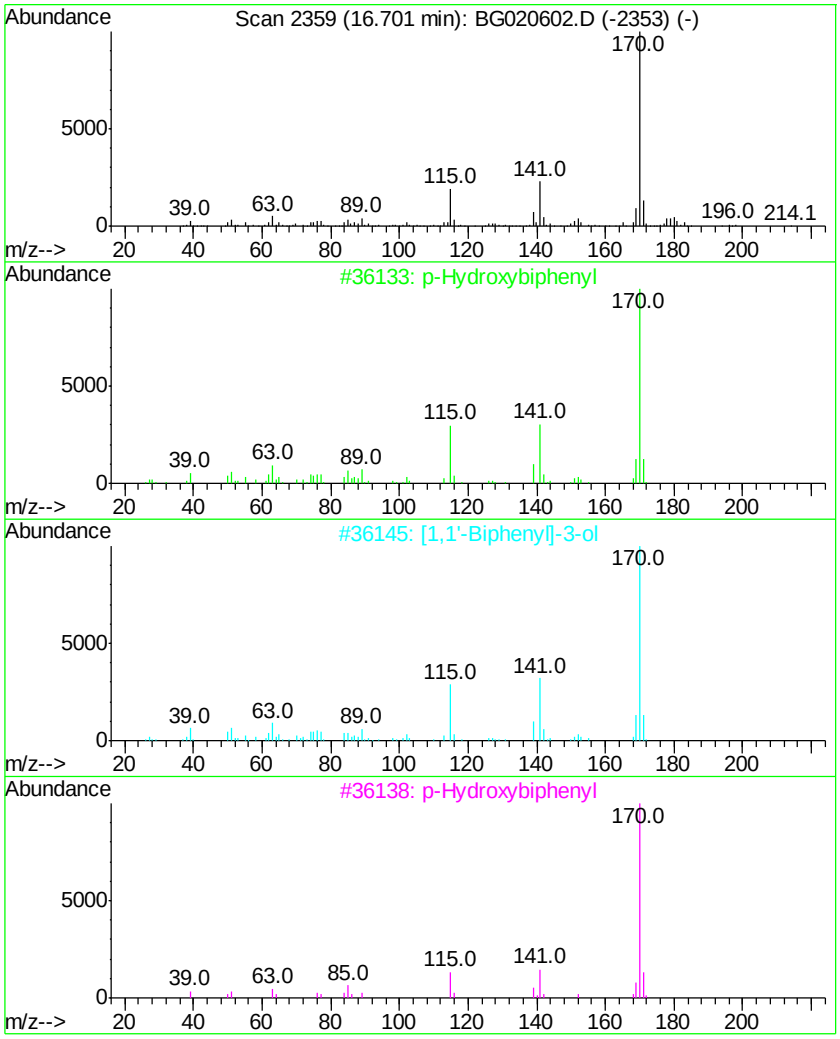
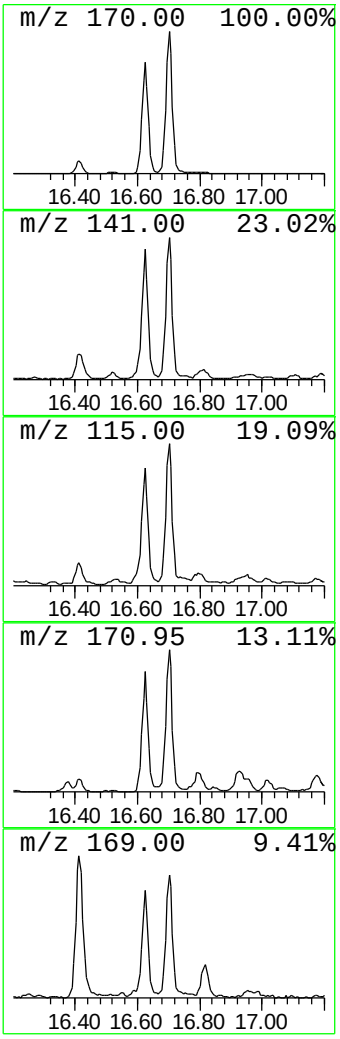
Peak Number 23 p-Hydroxybiphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	29.50 ng/ul	854589	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	95
2	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	93





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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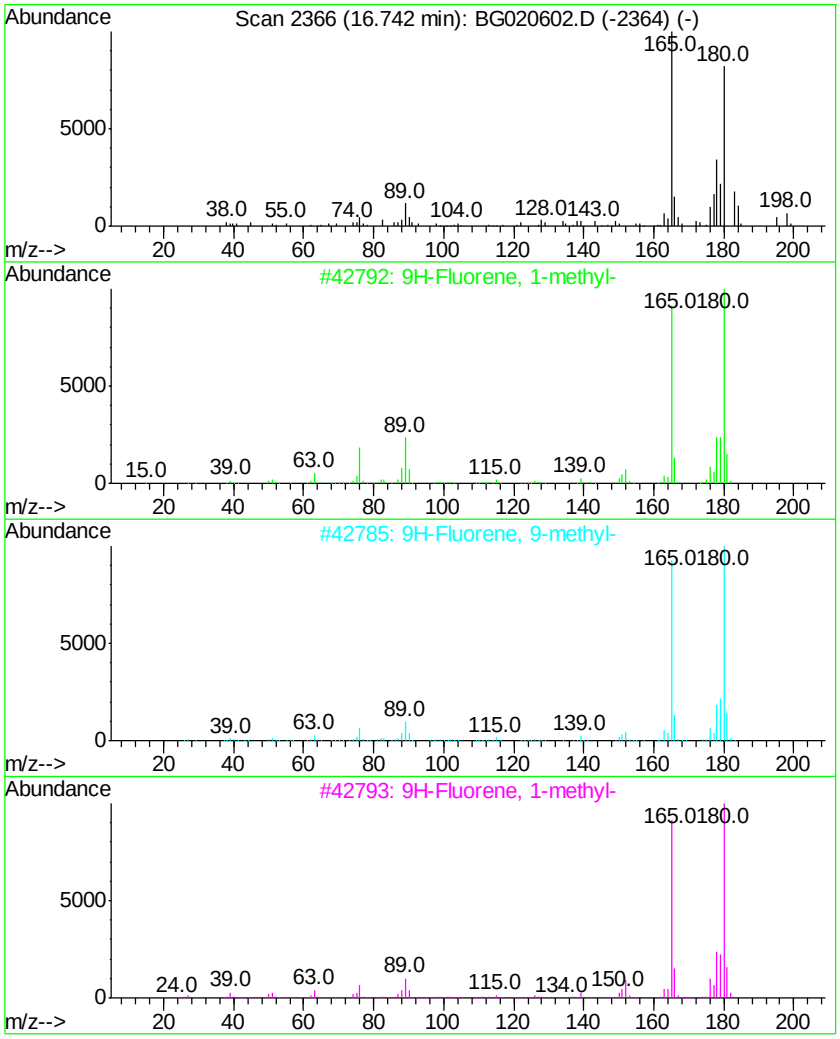
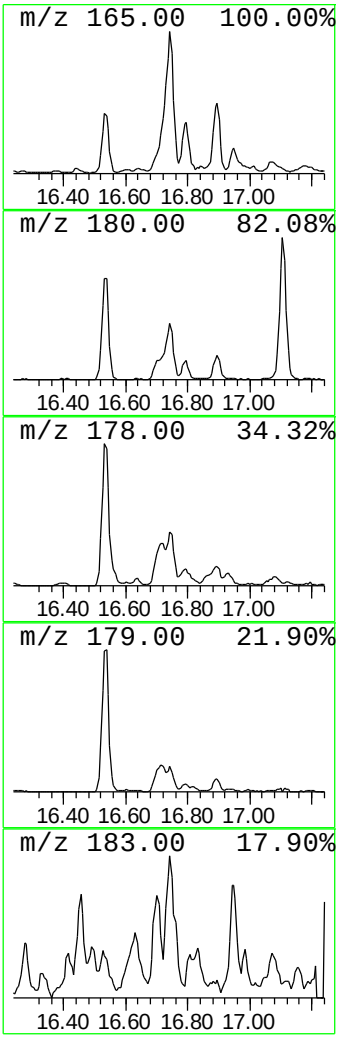
Peak Number 24 9H-Fluorene, 1-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	4.95 ng/ul	143502	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	68





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Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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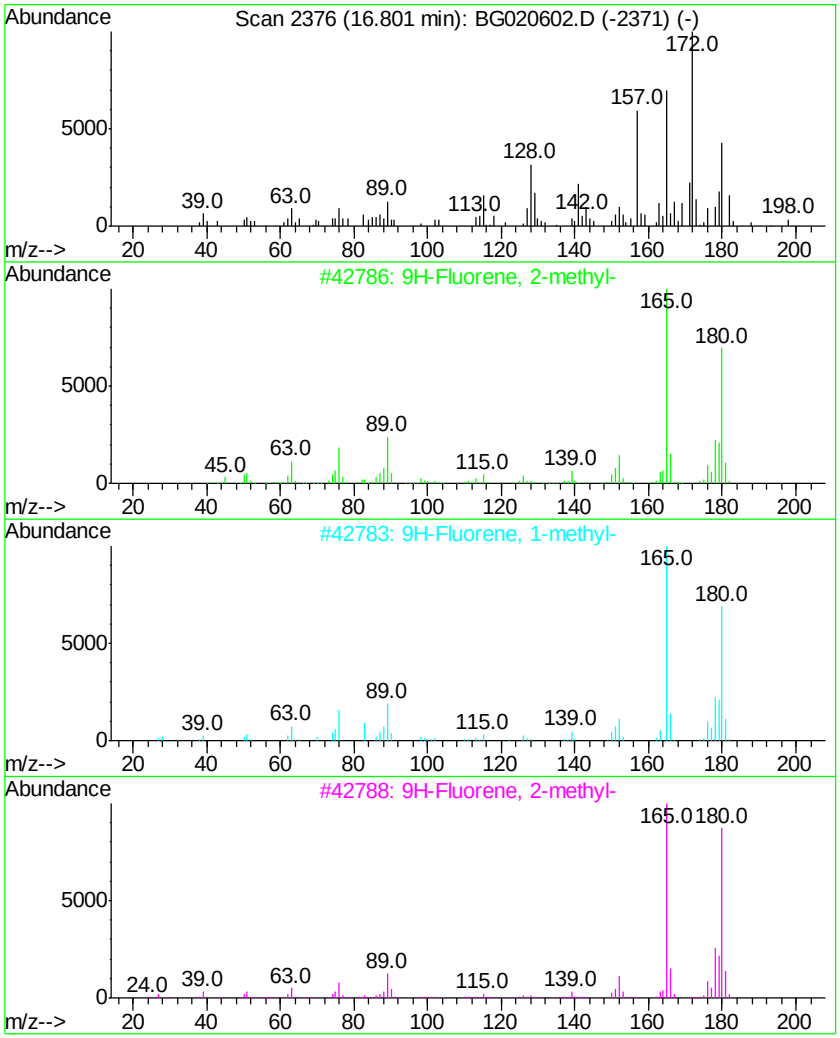
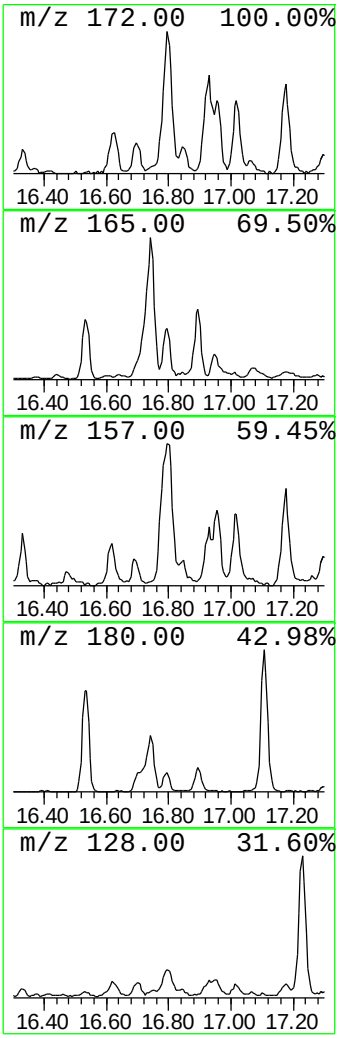
Peak Number 25 9H-Fluorene, 2-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	4.42 ng/ul	128126	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	58
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	56
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55





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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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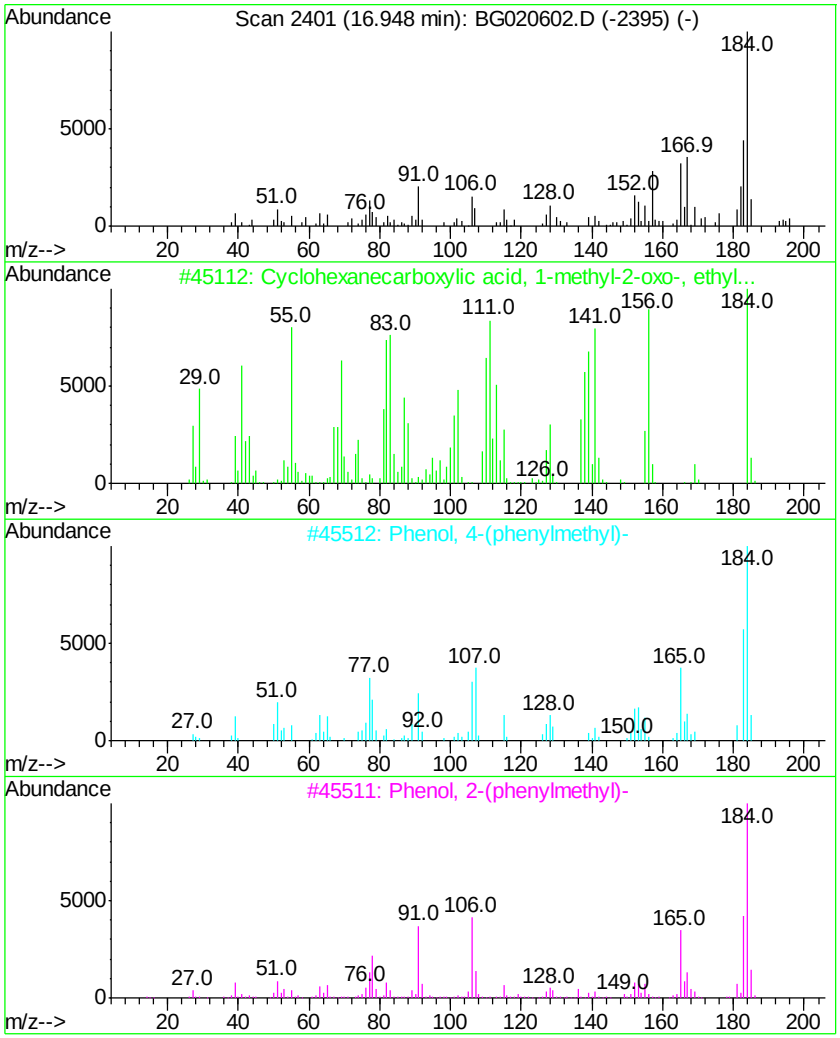
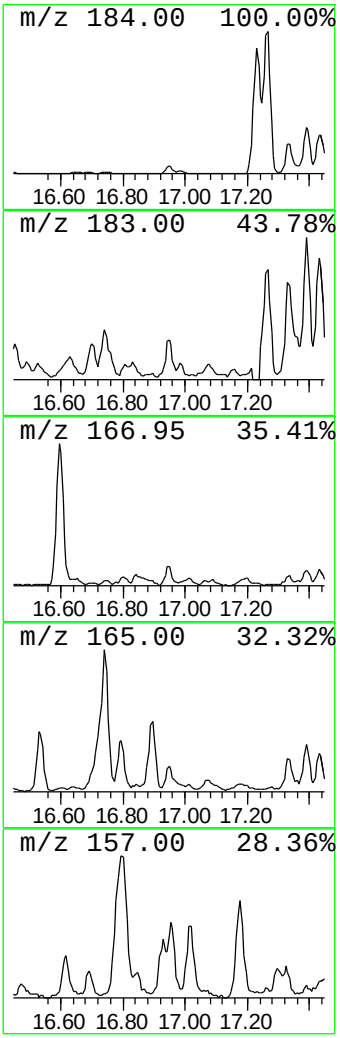
Peak Number 26 Cyclohexanecarboxylic acid,... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	6.23 ng/ul	180408	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanecarboxylic acid, 1-me...	184	C10H16O3	005453-94-1	92
2	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	86
3	Phenol, 2-(phenylmethyl)-	184	C13H12O	028994-41-4	70
4	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	64
5	Phenol, 2-(phenylmethyl)-	184	C13H12O	028994-41-4	62





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Misc :
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ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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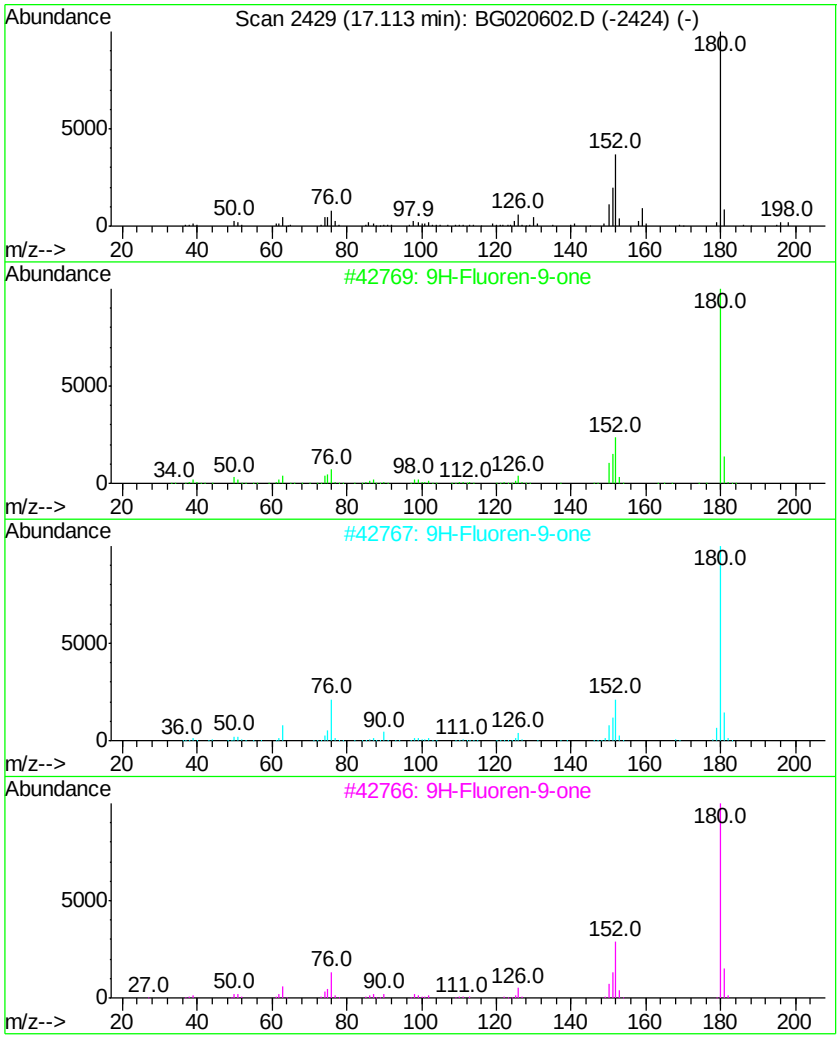
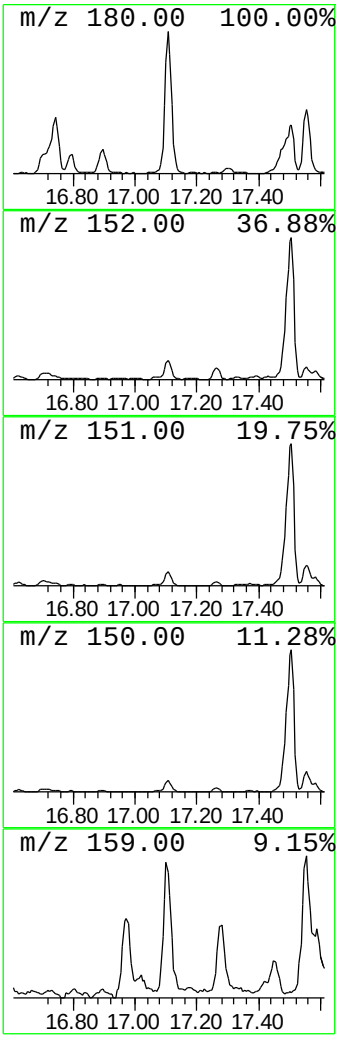
Peak Number 27 9H-Fluoren-9-one Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	9.24 ng/ul	267562	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	74
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	47
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	40





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Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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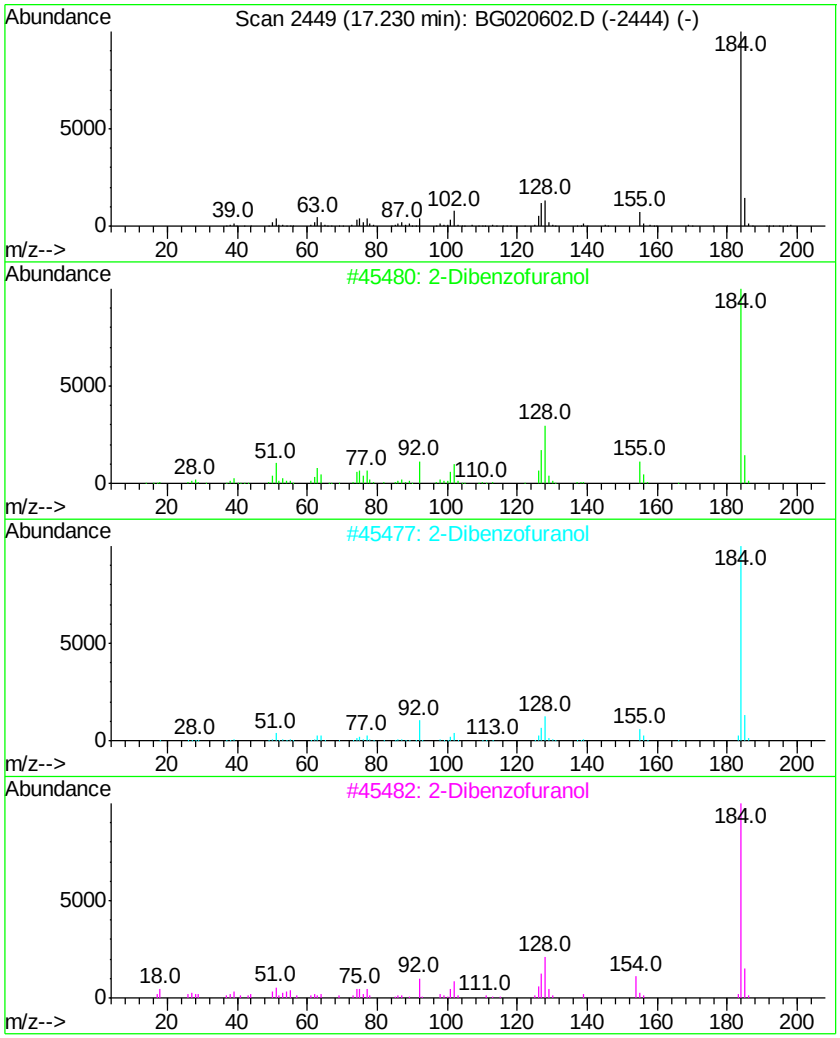
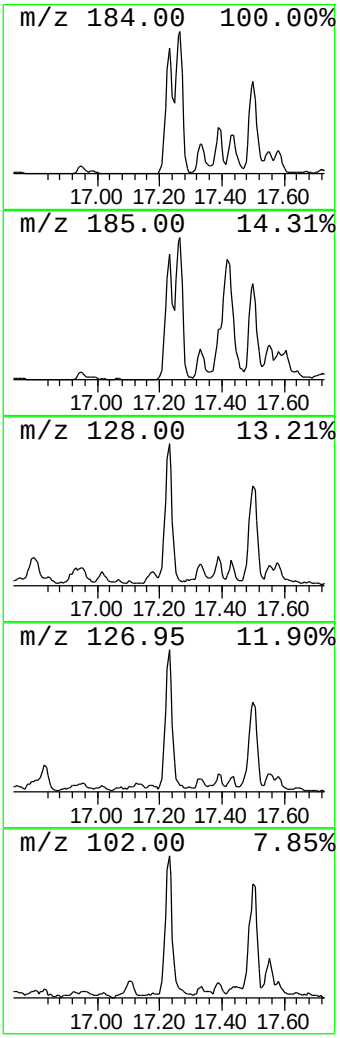
Peak Number 28 2-Dibenzofuranol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	19.05 ng/ul	551896	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	94
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
4	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	83
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	72





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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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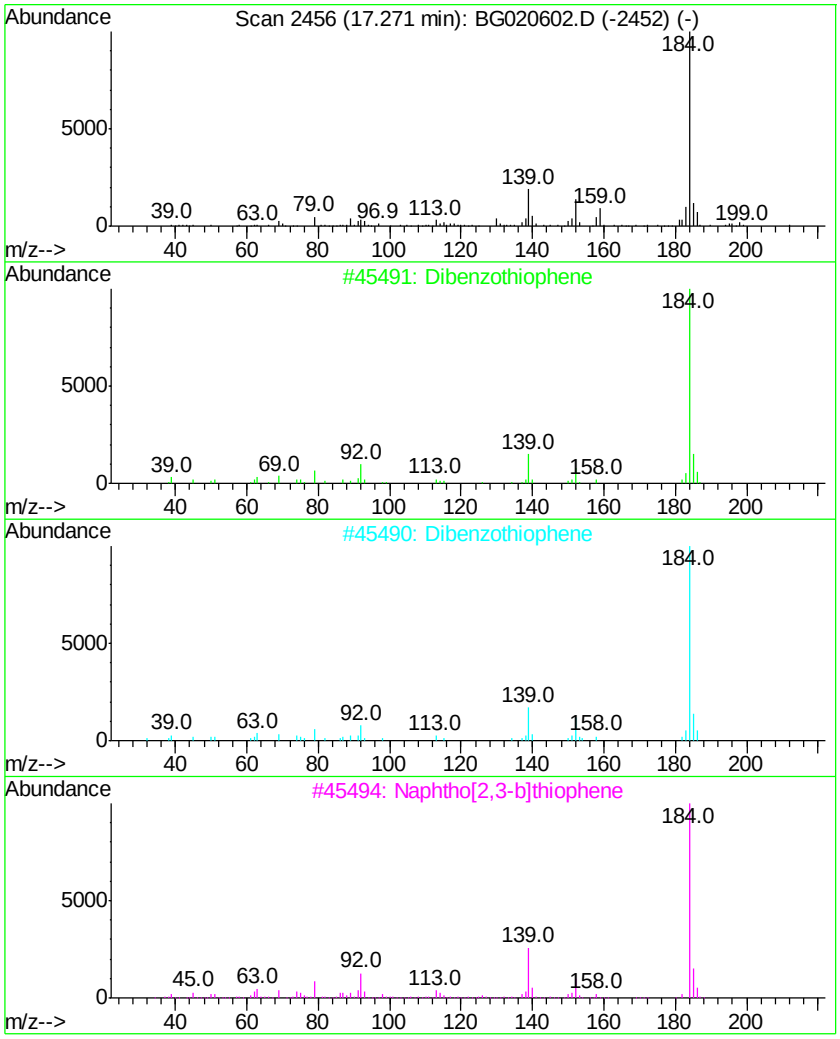
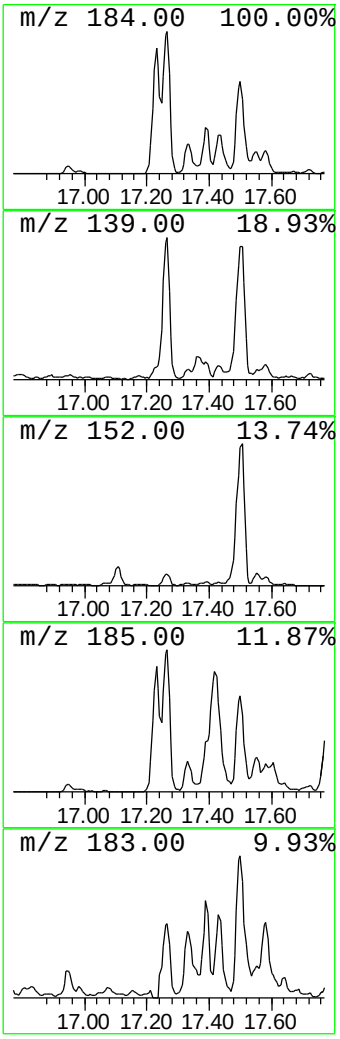
Peak Number 29 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	17.52 ng/ul	507670	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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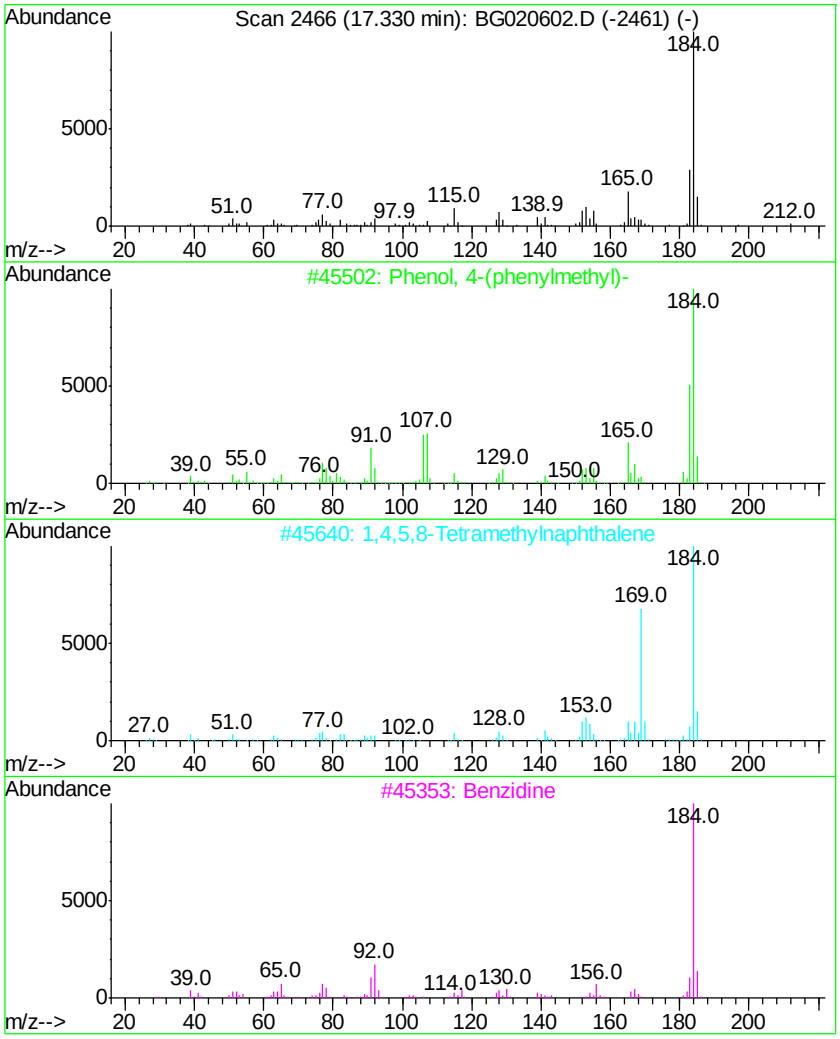
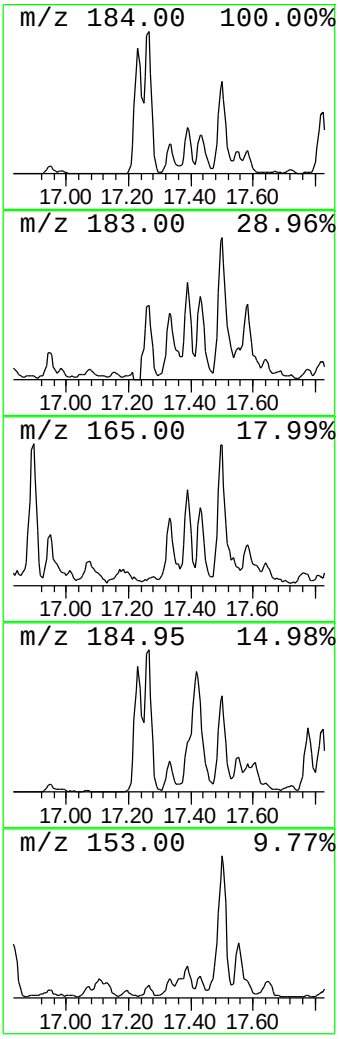
Peak Number 30 Phenol, 4-(phenylmethyl)- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	5.27 ng/ul	152652	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	68
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	68
3	Benzidine	184	C12H12N2	000092-87-5	64
4	Benzidine	184	C12H12N2	000092-87-5	64
5	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020602.D
Acq On : 30 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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, 1,3,5-tr...	7.70	17.6	ng/ul	119442	1	8.06	135345	20.0
Benzofuran	7.78	40.1	ng/ul	271107	1	8.06	135345	20.0
Indane	8.43	50.9	ng/ul	344399	1	8.06	135345	20.0
Indene	8.60	425.0	ng/ul	2876200	1	8.06	135345	20.0
Naphthalene, 1-me...	12.76	2.8	ng/ul	3779660	2	10.91	27354600	20.0
1H-Inden-5-ol, 2,...	12.91	6.1	ng/ul	144238	3	14.70	471340	20.0
1-Naphthalenamine	13.17	13.0	ng/ul	307228	3	14.70	471340	20.0
unknown-01	13.25	6.7	ng/ul	157619	3	14.70	471340	20.0
1H-Indole, 7-methyl-	13.64	11.1	ng/ul	262201	3	14.70	471340	20.0
Naphthalene, 1-et...	13.73	20.2	ng/ul	475336	3	14.70	471340	20.0
Naphthalene, 1,3-...	13.88	32.9	ng/ul	775950	3	14.70	471340	20.0
Naphthalene, 2,3-...	14.02	29.2	ng/ul	687734	3	14.70	471340	20.0
1-Naphthalenecarb...	14.85	92.9	ng/ul	2189500	3	14.70	471340	20.0
o-Hydroxybiphenyl	14.98	55.7	ng/ul	1313600	3	14.70	471340	20.0
unknown-02	15.96	32.0	ng/ul	754139	3	14.70	471340	20.0
9H-Fluoren-9-ol	16.04	14.6	ng/ul	345126	3	14.70	471340	20.0
1-Naphthalenol, 4...	16.12	6.0	ng/ul	173218	4	17.45	579388	20.0
Dibenzofuran, 4-m...	16.18	28.4	ng/ul	822421	4	17.45	579388	20.0
1-Acenaphthenol	16.41	9.2	ng/ul	267563	4	17.45	579388	20.0
Anthracene, 9,10-...	16.53	11.2	ng/ul	322898	4	17.45	579388	20.0
[1,1'-Biphenyl]-3-ol	16.62	25.3	ng/ul	732606	4	17.45	579388	20.0
p-Hydroxybiphenyl	16.70	29.5	ng/ul	854589	4	17.45	579388	20.0
9H-Fluorene, 1-me...	16.74	5.0	ng/ul	143502	4	17.45	579388	20.0
9H-Fluorene, 2-me...	16.80	4.4	ng/ul	128126	4	17.45	579388	20.0
Cyclohexanecarbox...	16.95	6.2	ng/ul	180408	4	17.45	579388	20.0
9H-Fluoren-9-one	17.11	9.2	ng/ul	267562	4	17.45	579388	20.0
2-Dibenzofuranol	17.23	19.1	ng/ul	551896	4	17.45	579388	20.0
Dibenzothiophene	17.27	17.5	ng/ul	507670	4	17.45	579388	20.0
Phenol, 4-(phenyl...	17.33	5.3	ng/ul	152652	4	17.45	579388	20.0