LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.394	769	775	783	rBV	63267	107252	0.52%	0.122%
2	7.606	805	811	819	rVV	70421	118415	0.58%	0.134%
3	8.076	884	891	898	rBV	60205	102664	0.50%	0.116%
4	8.452	948	955	962	rBV	143694	239757	1.17%	0.272%
5	8.622	975	984	993	rBV	860735	1530162	7.47%	1.735%
6	8.787	1004	1012	1019	rBV	60434	106023	0.52%	0.120%
7	9.245	1084	1090	1098	rBV2	86202	168083	0.82%	0.191%
8	9.562	1133	1144	1150	rBV	86236	195665	0.96%	0.222%
9	9.974	1207	1214	1224	rVB	73919	134843	0.66%	0.153%
10	10.285	1260	1267	1270	rBV2	58825	120871	0.59%	0.137%
11	10.391	1279	1285	1289	rBV	51502	107521	0.52%	0.122%
12	10.526	1300	1308	1315	rBV	146327	287258	1.40%	0.326%
13	11.008	1367	1390	1395	rVV	5914142	20482472	100.00%	23.224%
14	11.084	1395	1403	1411	rVB	692922	1170961	5.72%	1.328%
15	12.441	1628	1634	1643	rVB	74832	132553	0.65%	0.150%
16	12.559	1643	1654	1665	rBV	2519643	4539562	22.16%	5.147%
17	12.665	1665	1672	1678	rVV	95165	176148	0.86%	0.200%
18	12.776	1678	1691	1698	rVB	1550858	2773293	13.54%	3.145%
19	13.182	1753	1760	1767	rVV2	67046	120195	0.59%	0.136%
20	13.546	1814	1822	1833	rBV	824198	1272220	6.21%	1.443%
21	13.740	1849	1855	1866	rVB2	151473	335732	1.64%	0.381%
22	13.887	1866	1880	1888	rBV2	161849	446738	2.18%	0.507%
23	14.028	1897	1904	1909	rVV	273802	504630	2.46%	0.572%
24	14.086	1909	1914	1916	rVV	179458	298247	1.46%	0.338%
25	14.116	1916	1919	1925	rVV	263545	369593	1.80%	0.419%
26	14.269	1939	1945	1948	rVV	104146	173603	0.85%	0.197%
27	14.410	1961	1969	1970	rBV	275271	429425	2.10%	0.487%
28	14.433	1970	1973	1980	rVB	367564	562075	2.74%	0.637%
29	14.686	2010	2016	2018	rVV	150672	242349	1.18%	0.275%
30	14.715	2018	2021	2026	rVV2	160074	265298	1.30%	0.301%
31	14.791	2026	2034	2039	rVV	3496204	6526826	31.87%	7.401%
32	14.856	2039	2045	2051	rVV	1133249	1956747	9.55%	2.219%
33	14.915	2051	2055	2062	rVV4	45458	96615	0.47%	0.110%
34	14.985	2062	2067	2070	rVV	89370	151313	0.74%	0.172%

LSC Area Percent Report

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Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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

35	15.015	2070	2072	2077	rVV	81862	126084	0.62%	0.143%
36	15.121	2082	2090	2098	rVV2	2237253	4359260	21.28%	4.943%
37	15.197	2098	2103	2111	rVB2	53165	110352	0.54%	0.125%
38	15.702	2178	2189	2193	rVV	371597	657328	3.21%	0.745%
39	15.767	2193	2200	2206	rVV	2152090	3627542	17.71%	4.113%
40	15.826	2206	2210	2215	rVV3	131158	267563	1.31%	0.303%
41	15.878	2215	2219	2222	rVV4	161557	298929	1.46%	0.339%
42	15.920	2222	2226	2230	rVV3	180349	327421	1.60%	0.371%
43	15.972	2230	2235	2238	rVV3	106370	221498	1.08%	0.251%
44	16.002	2238	2240	2244	rVV2	109576	169956	0.83%	0.193%
45	16.049	2244	2248	2257	rVV	177501	283338	1.38%	0.321%
46	16.190	2257	2272	2282	rVV4	230038	586280	2.86%	0.665%
47	16.272	2282	2286	2293	rVV2	58185	113521	0.55%	0.129%
48	16.431	2307	2313	2322	rVB4	74211	151560	0.74%	0.172%
49	16.548	2326	2333	2338	rBV	159779	250030	1.22%	0.284%
50	16.607	2338	2343	2345	rBV	79212	117914	0.58%	0.134%
51	16.636	2345	2348	2355	rVB	114587	167874	0.82%	0.190%
52	16.713	2355	2361	2365	rBV	181101	314833	1.54%	0.357%
53	16.754	2365	2368	2373	rVB3	73091	105314	0.51%	0.119%
54	16.807	2373	2377	2388	rVB4	64944	138179	0.67%	0.157%
55	17.106	2420	2428	2437	rBV3	70541	166563	0.81%	0.189%
56	17.242	2446	2451	2453	rBV	153897	222473	1.09%	0.252%
57	17.277	2453	2457	2464	rVB	291590	446339	2.18%	0.506%
58	17.341	2464	2468	2471	rBV	79381	118480	0.58%	0.134%
59	17.400	2475	2478	2482	rBV	85092	120060	0.59%	0.136%
60	17.459	2482	2488	2490	rBV2	185797	358200	1.75%	0.406%
61	17.512	2490	2497	2502	rVB	2950802	4751577	23.20%	5.388%
62	17.565	2502	2506	2514	rVB2	981629	1628310	7.95%	1.846%
63	17.635	2514	2518	2531	rVB3	174223	419751	2.05%	0.476%
64	17.888	2546	2561	2566	rBV	2809252	5880173	28.71%	6.667%
65	17.952	2566	2572	2575	rBV2	273245	484163	2.36%	0.549%
66	18.017	2580	2583	2589	rVV	441434	654411	3.19%	0.742%
67	18.099	2589	2597	2603	rVV5	140455	345080	1.68%	0.391%
68	18.152	2603	2606	2611	rVV2	91067	140040	0.68%	0.159%
69	18.205	2611	2615	2620	rVV2	74945	120655	0.59%	0.137%
70	18.293	2625	2630	2634	rBV	231048	341186	1.67%	0.387%
71	18.381	2640	2645	2652	rBV3	754670	1169302	5.71%	1.326%

LSC Area Percent Report

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Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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

72	18.452	2652	2657	2664	rBV	303020	484380	2.36%	0.549%
73	18.528	2664	2670	2679	rVB2	280688	519816	2.54%	0.589%
74	18.611	2679	2684	2685	rBV	176516	254829	1.24%	0.289%
75	18.634	2685	2688	2692	rVV2	211388	353949	1.73%	0.401%
76	18.675	2692	2695	2699	rVV	228147	337906	1.65%	0.383%
77	18.710	2699	2701	2705	rVV2	95761	112151	0.55%	0.127%
78	18.769	2705	2711	2716	rVV2	307222	476066	2.32%	0.540%
79	18.822	2716	2720	2724	rVB2	178276	246283	1.20%	0.279%
80	18.869	2724	2728	2732	rBV3	184164	274772	1.34%	0.312%
81	18.904	2732	2734	2746	rVB8	64498	113503	0.55%	0.129%
82	19.034	2752	2756	2761	rBV2	59324	108674	0.53%	0.123%
83	19.128	2769	2772	2778	rVV3	81954	149209	0.73%	0.169%
84	19.339	2805	2808	2813	rVV5	67523	125540	0.61%	0.142%
85	19.504	2829	2836	2842	rVV	544352	816450	3.99%	0.926%
86	19.598	2848	2852	2859	rVB	76586	121086	0.59%	0.137%
87	19.703	2864	2870	2876	rBV5	75700	180731	0.88%	0.205%
88	19.838	2886	2893	2896	rVV	604595	1023060	4.99%	1.160%
89	19.868	2896	2898	2913	rVB2	428359	595667	2.91%	0.675%
90	20.056	2921	2930	2935	rBV7	51203	110032	0.54%	0.125%
91	20.244	2957	2962	2967	rVV	255832	376545	1.84%	0.427%
92	20.344	2968	2979	2992	rVB	852741	2148388	10.49%	2.436%
93	20.843	3059	3064	3073	rVB	105776	188713	0.92%	0.214%
94	20.931	3073	3079	3083	rBV2	152681	288340	1.41%	0.327%
95	20.978	3083	3087	3095	rVB	200025	319498	1.56%	0.362%
96	21.172	3112	3120	3132	rVB4	35839	108283	0.53%	0.123%
97	21.725	3207	3214	3220	rBV2	331956	588832	2.87%	0.668%
98	22.377	3316	3325	3335	rBV	222645	502138	2.45%	0.569%
99	24.762	3720	3731	3743	rBV	301075	832609	4.06%	0.944%
100	24.991	3759	3770	3782	rBV	150326	429333	2.10%	0.487%

Sum of corrected areas: 88193431

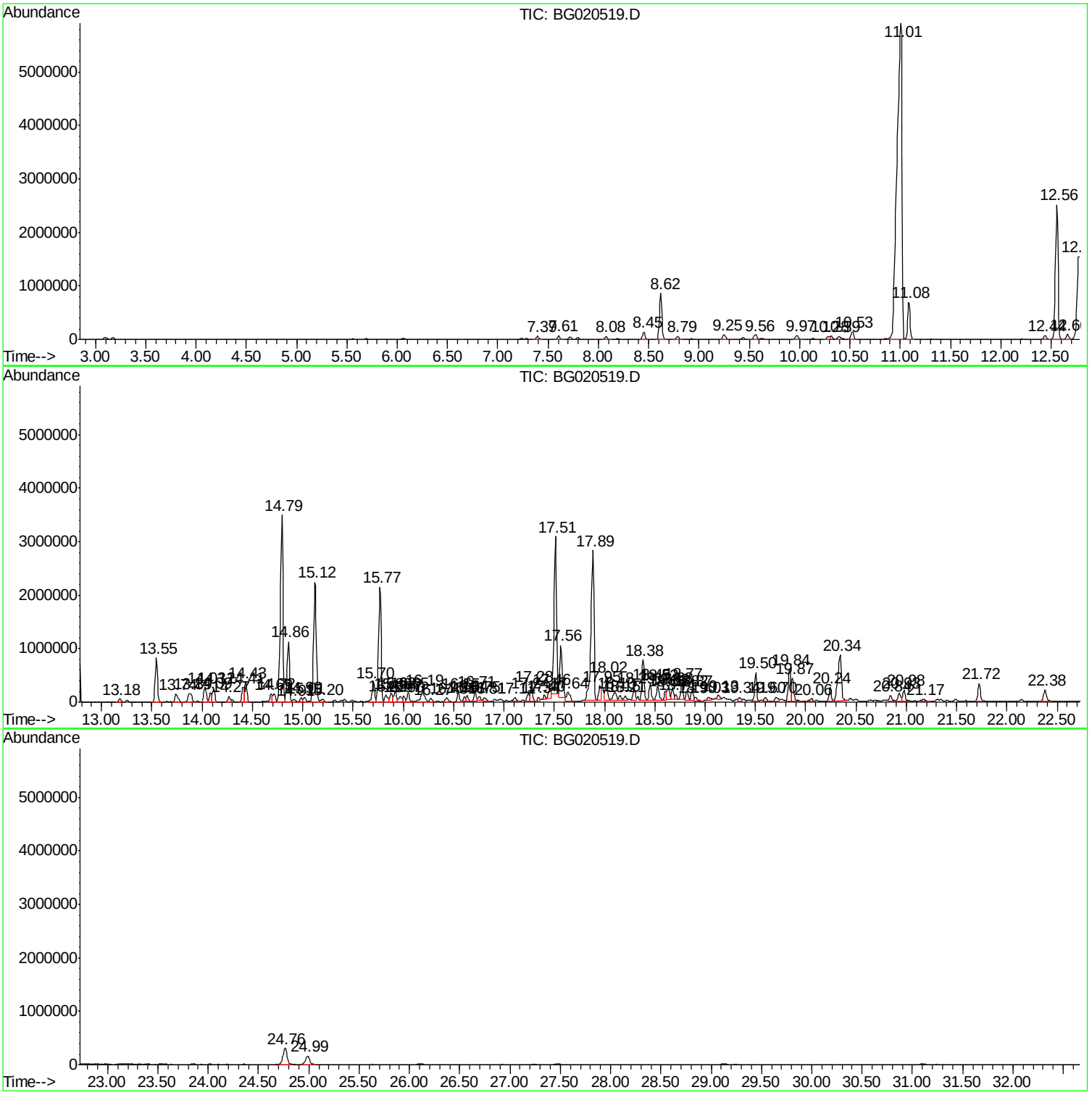
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N73

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

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

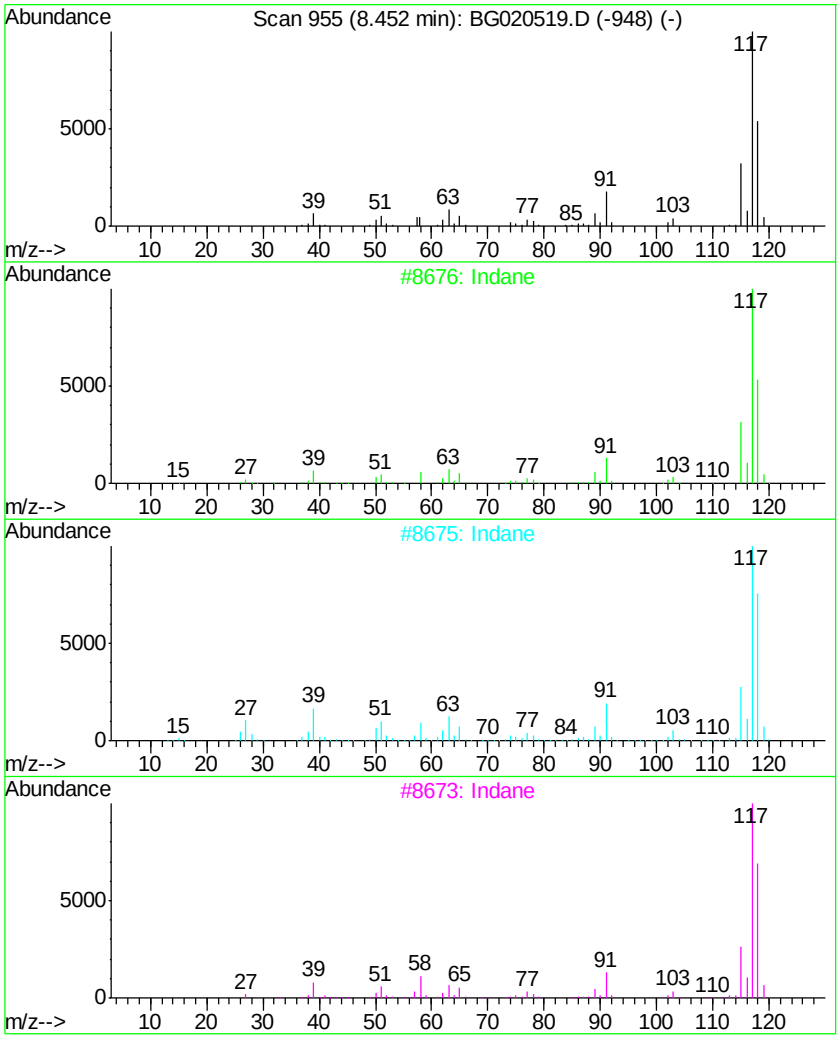
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

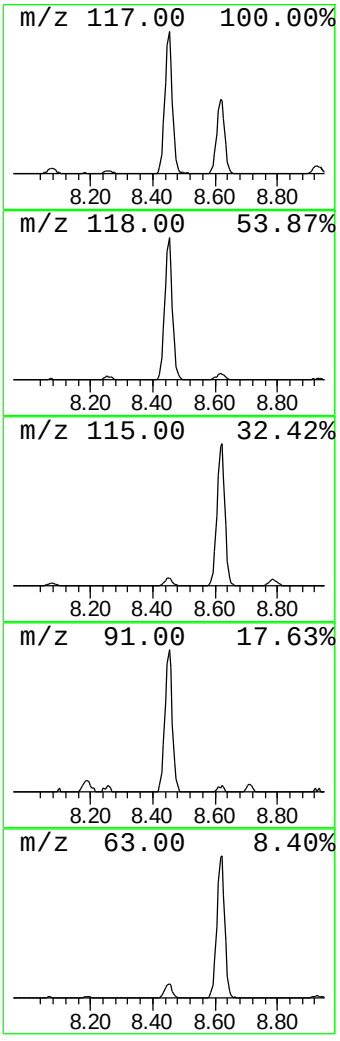
****

Peak Number 1 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	46.71 ng/ul	239757	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	87
4	Deltacyclene	118	C9H10	007785-10-6	81
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

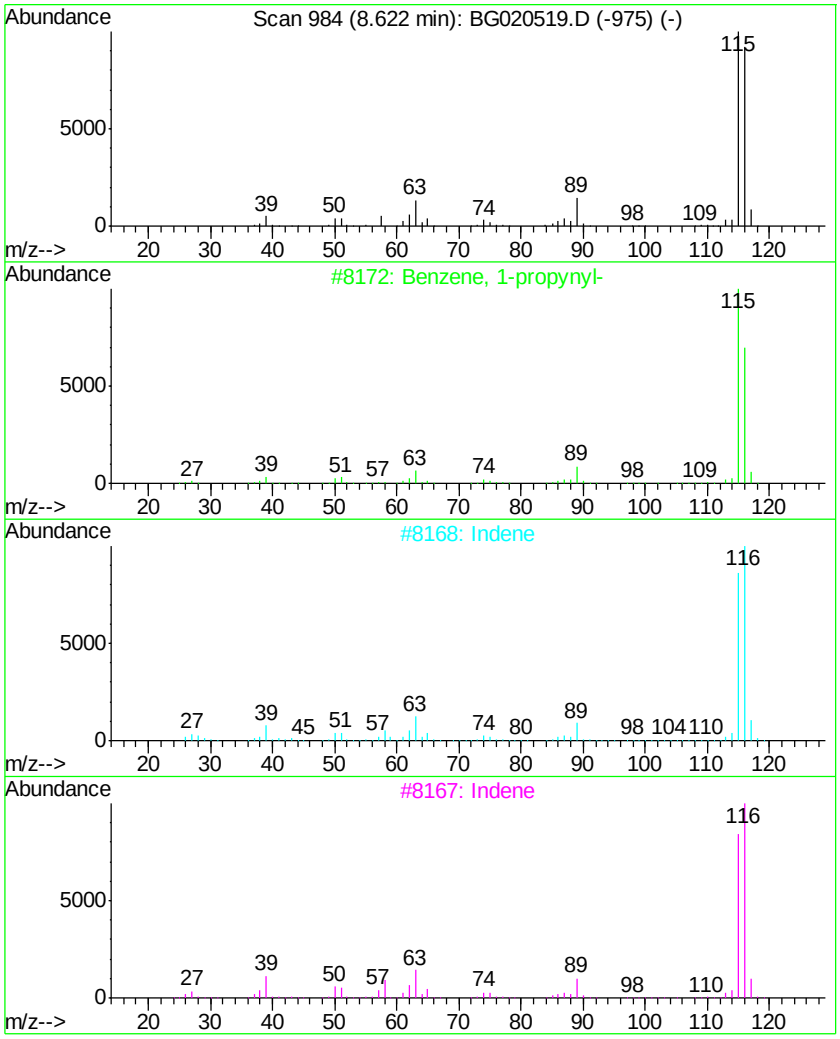
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

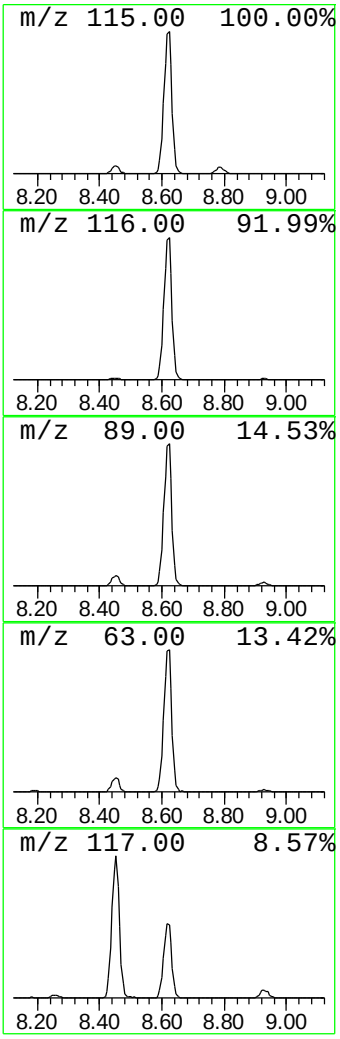
****

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	298.09 ng/ul	1530160	1,4-Dichlorobenzene-d4	8.08

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

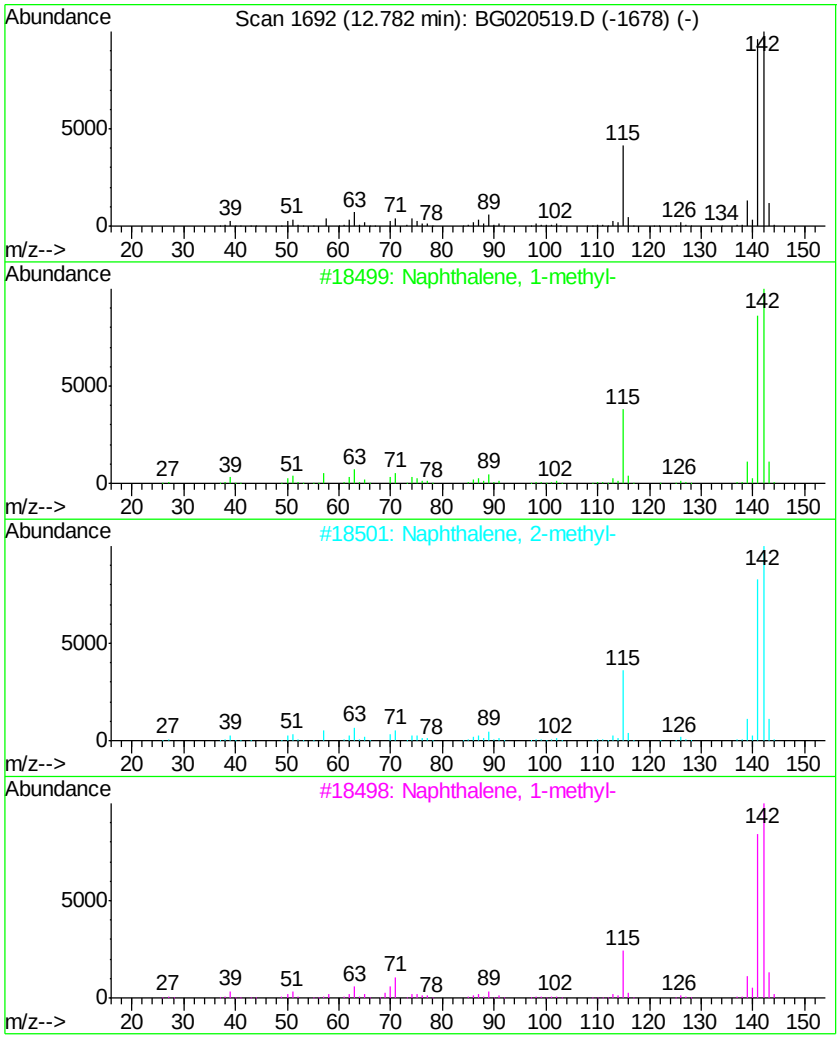
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

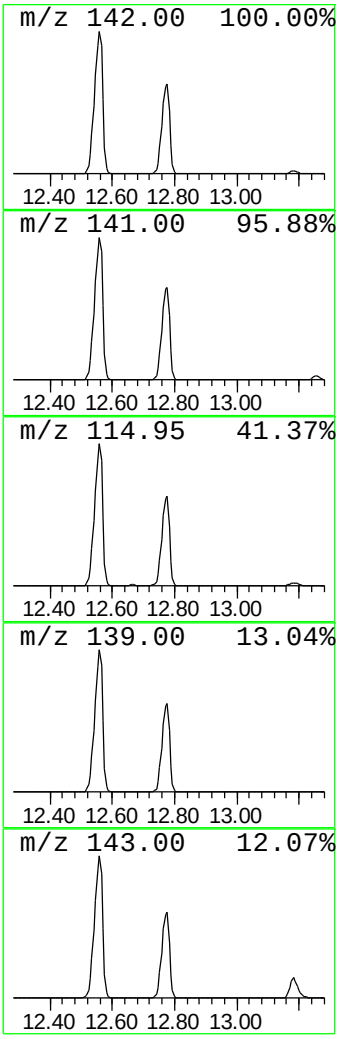
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.71 ng/ul	2773290	Naphthalene-d8	10.91

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

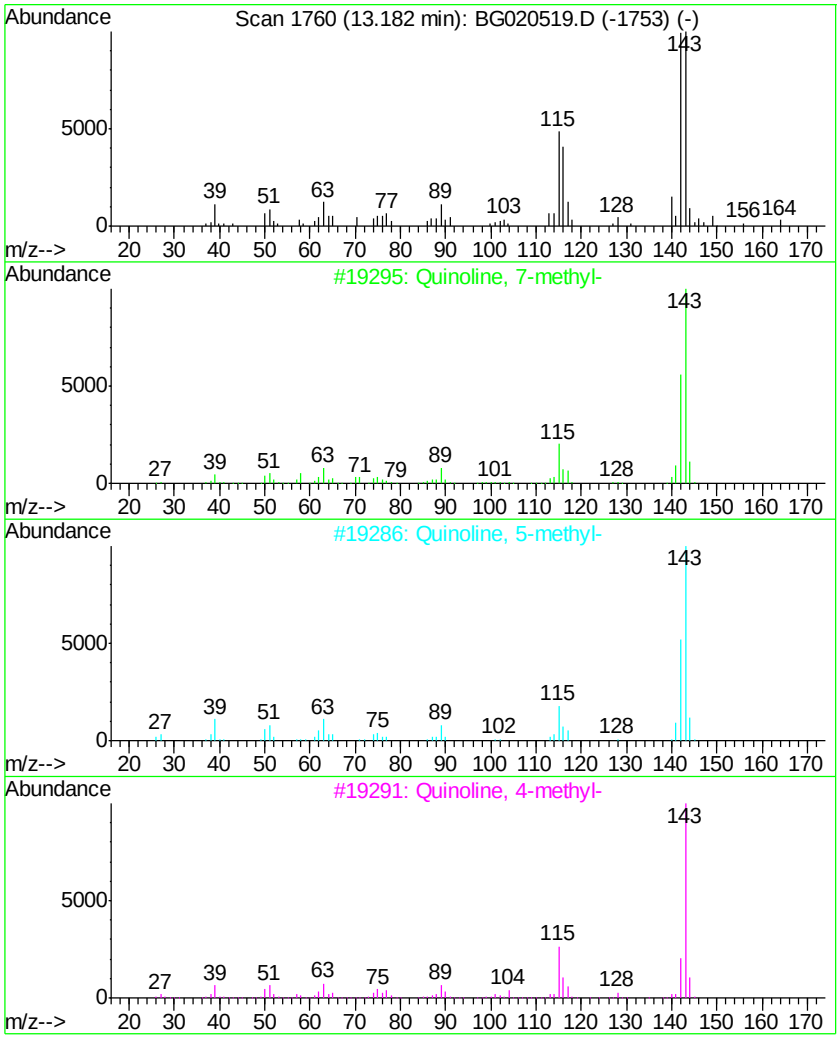
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

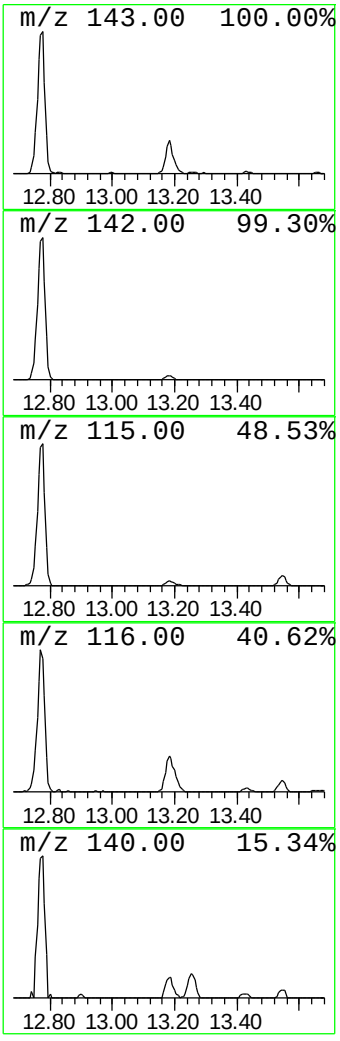
****

Peak Number 4 Quinoline, 7-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	9.06 ng/ul	120195	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	70
2	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	64
3	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	64
4	Cyclopropanecarbonitrile, 2-phen...	143	C10H9N	005590-14-7	62
5	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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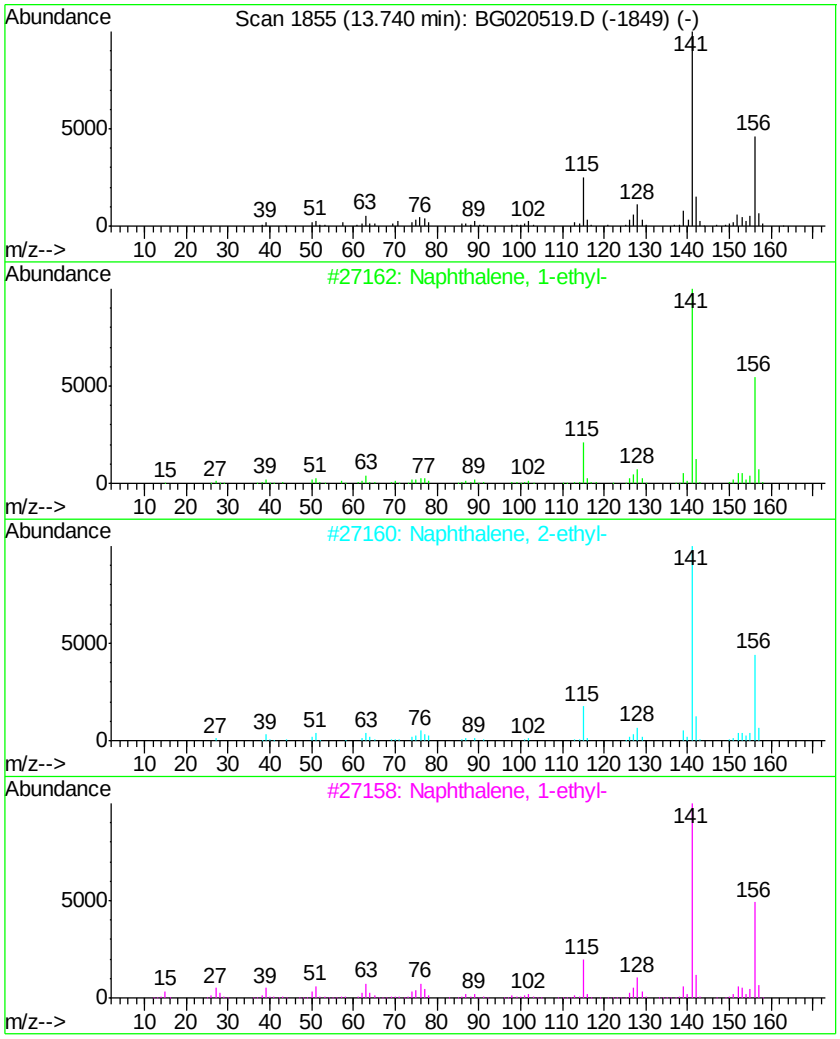
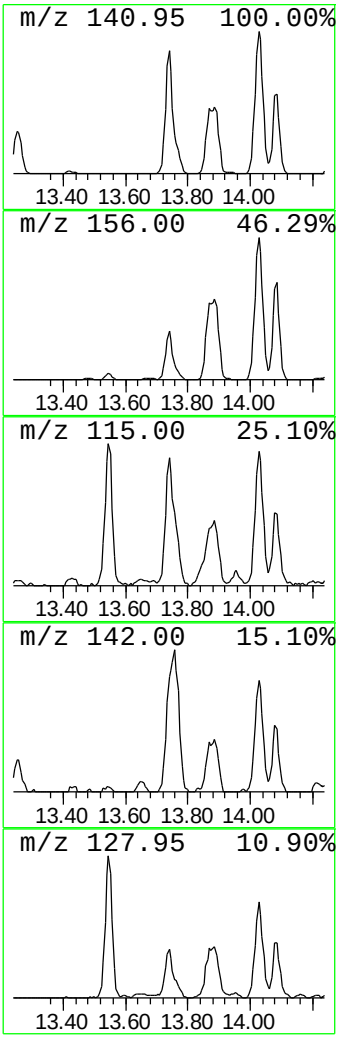
Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	25.31 ng/ul	335732	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, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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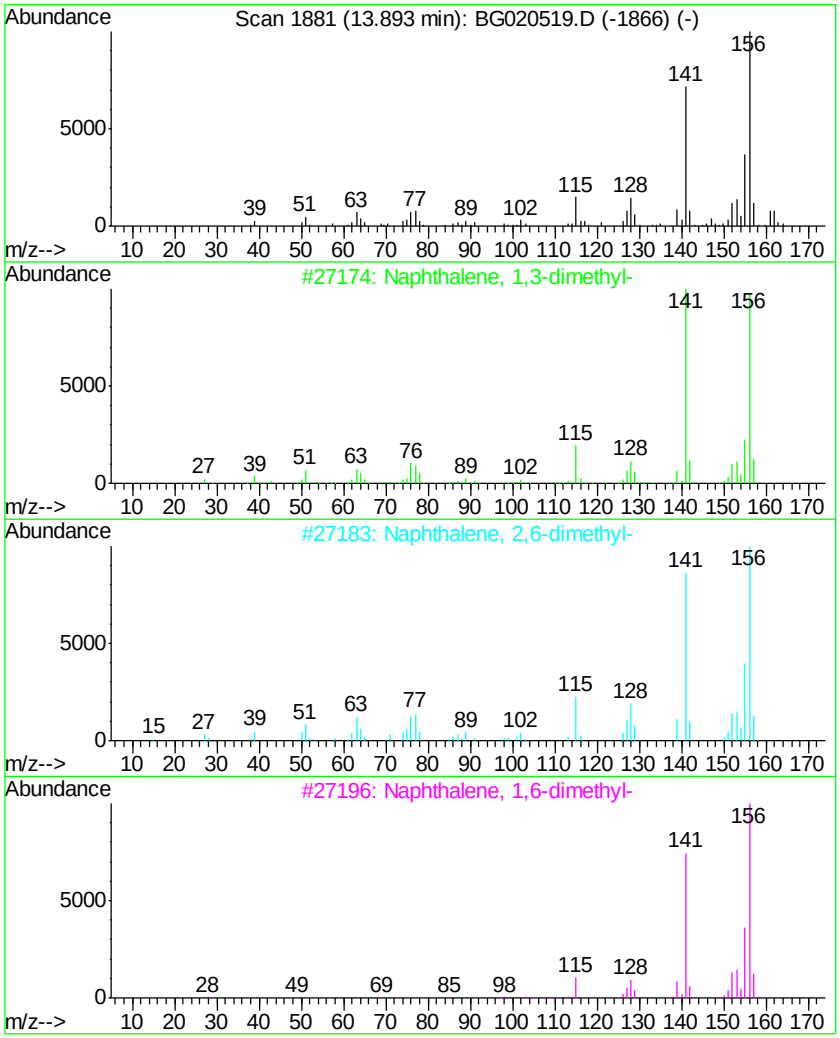
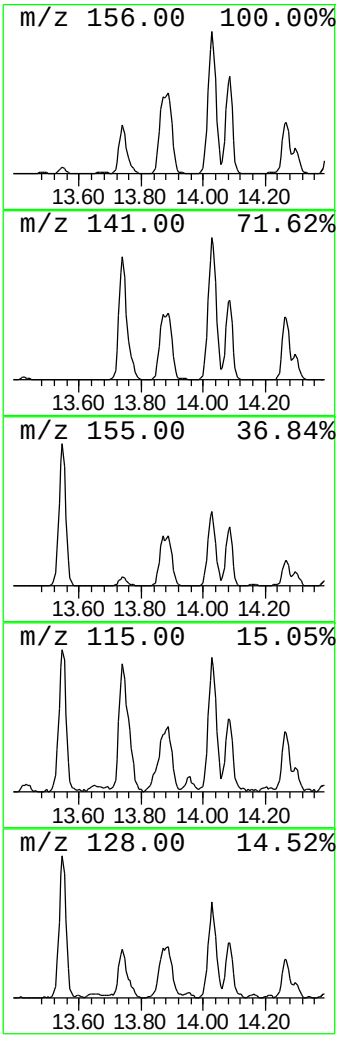
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	33.68 ng/ul	446738	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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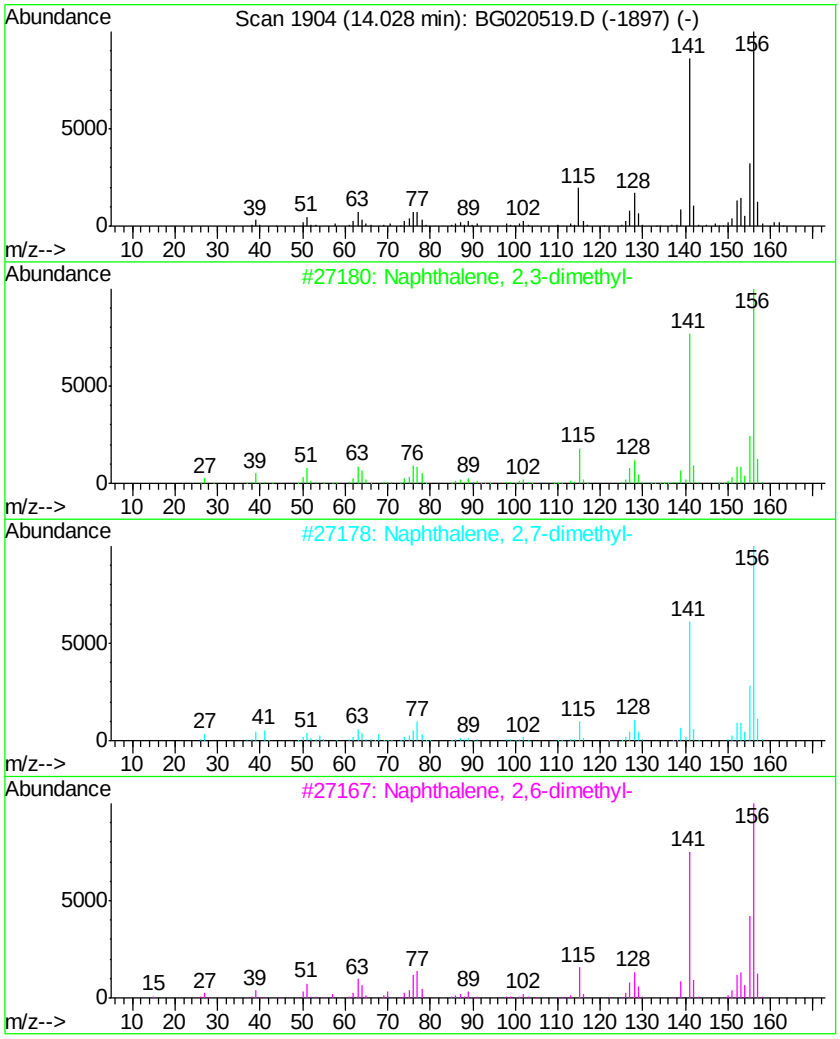
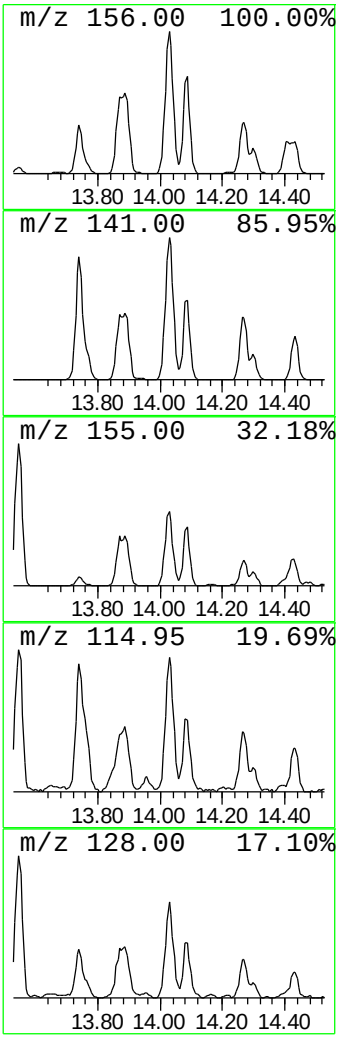
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	38.04 ng/ul	504630	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

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Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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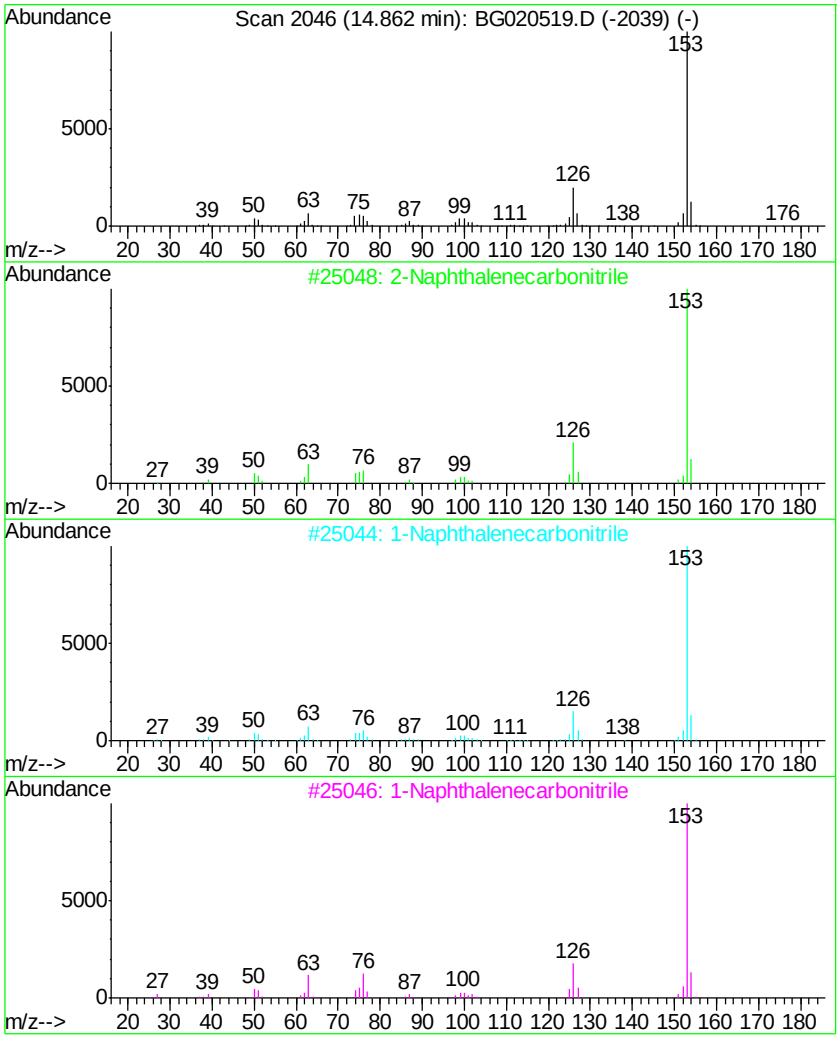
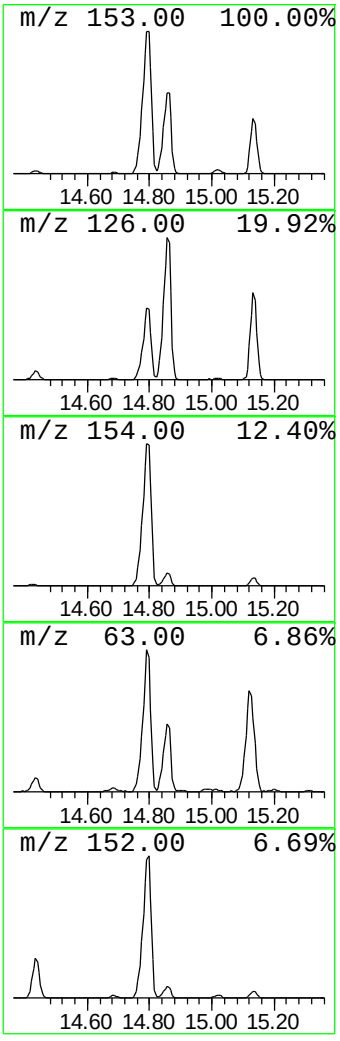
Peak Number 9 2-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	147.51 ng/ul	1956750	Acenaphthene-d10	14.72

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





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Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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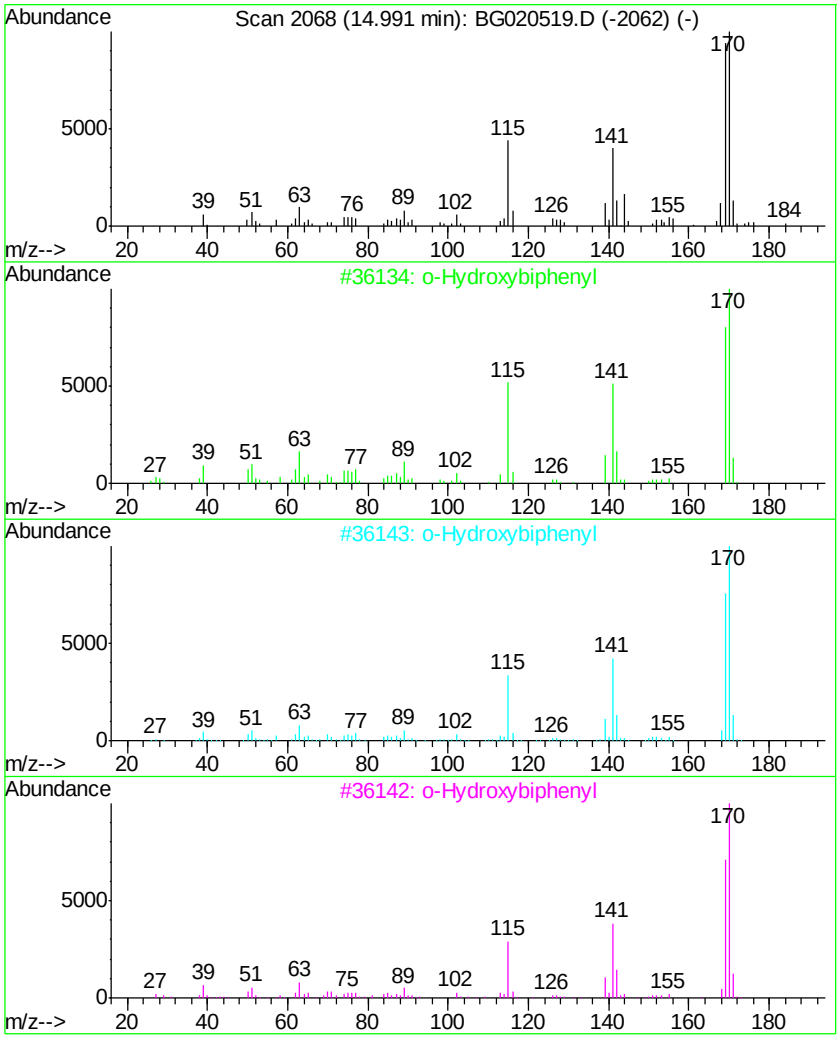
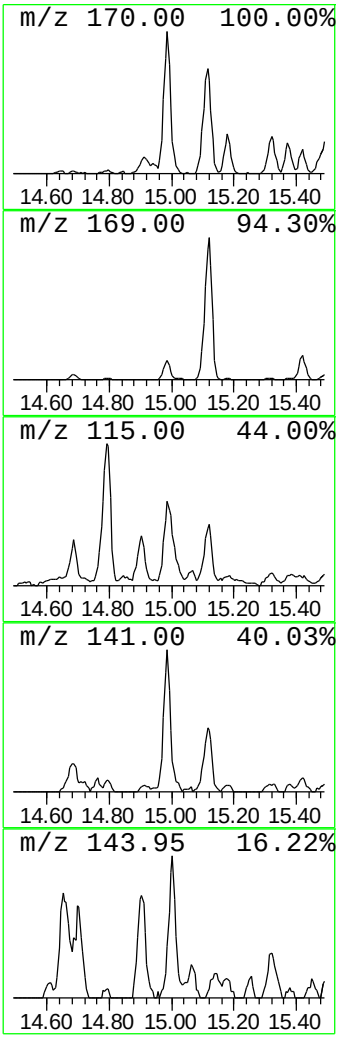
Peak Number 10 o-Hydroxybiphenyl Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	11.41 ng/ul	151313	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	97
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	94
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	81
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	64
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	64





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Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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Quant Title : SVOA CALIBRATION

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

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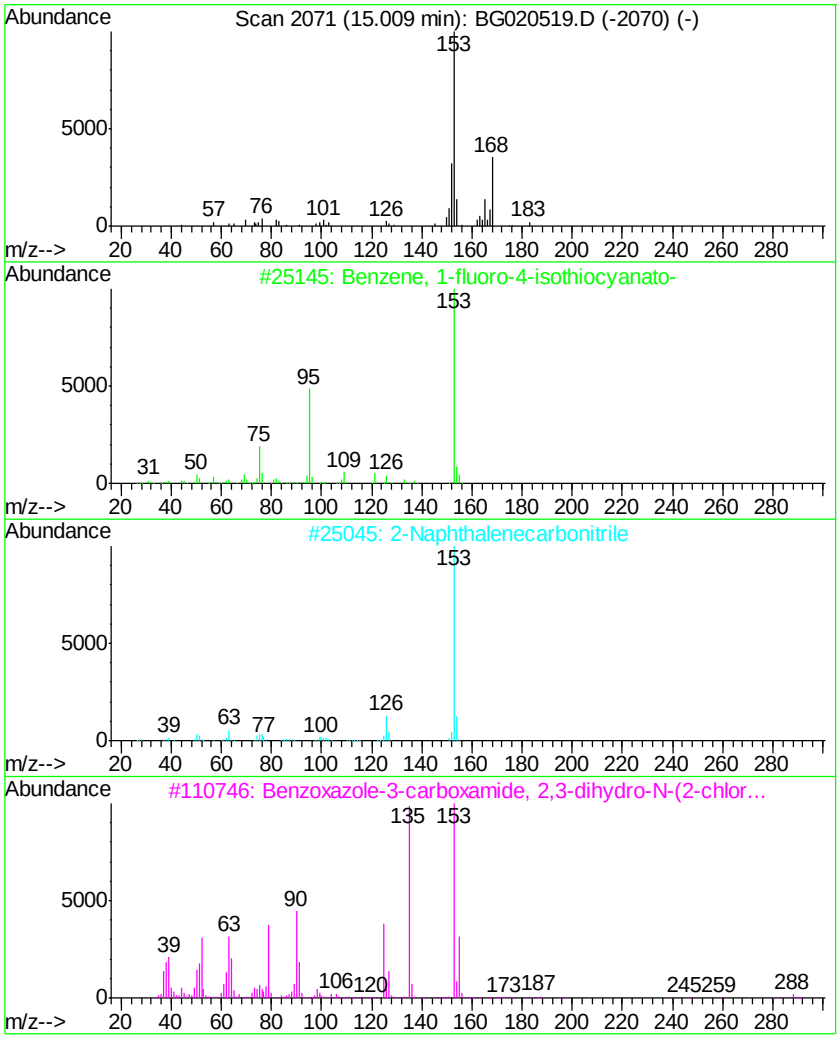
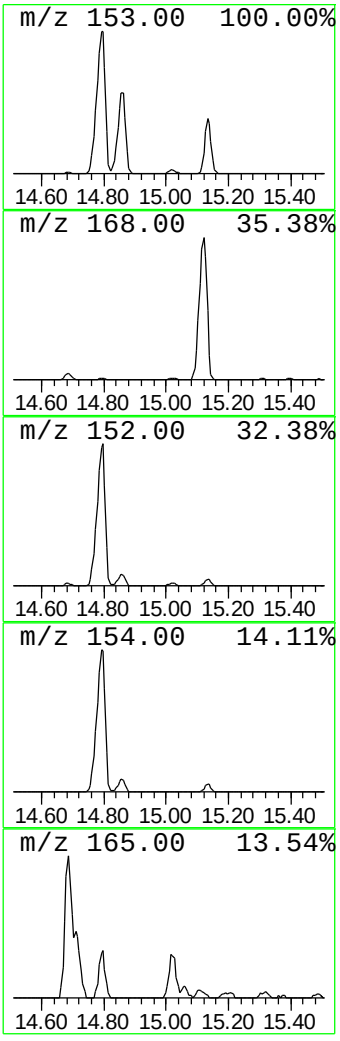
Peak Number 11 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	9.51 ng/ul	126084	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-fluoro-4-isothiocyanato-	153	C7H4FNS	001544-68-9	25
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	23
3	Benzoxazole-3-carboxamide, 2,3-d...	288	C14H9ClN2O3	1000271-25-6	17
4	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	9
5	2-Cyclopenten-1-one, 4-hydroxy-3...	152	C9H12O2	000551-45-1	9





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Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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Quant Title : SVOA CALIBRATION

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

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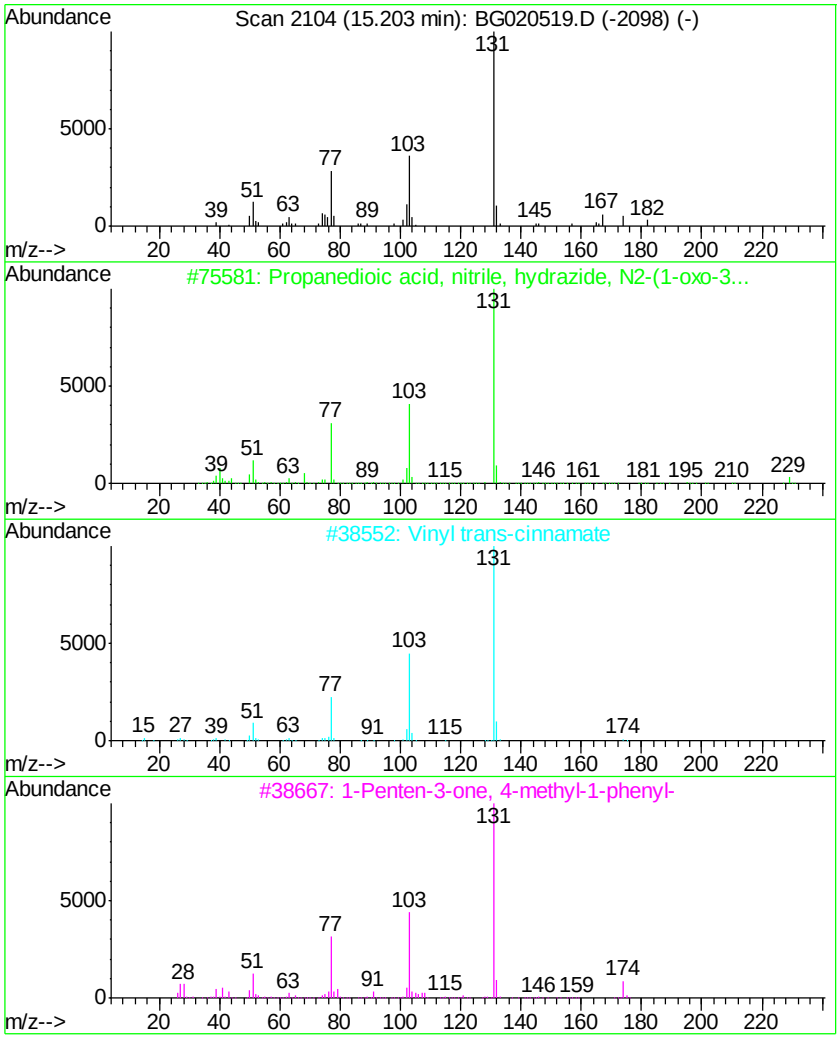
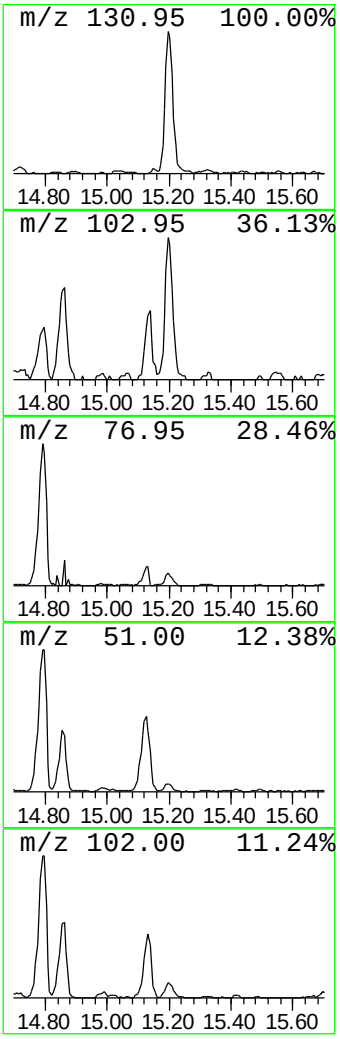
Peak Number 12 Propanedioic acid, nitrile,... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	8.32 ng/ul	110352	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	86
2	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	78
3	1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	78
4	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	78
5	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	74





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Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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Quant Title : SVOA CALIBRATION

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

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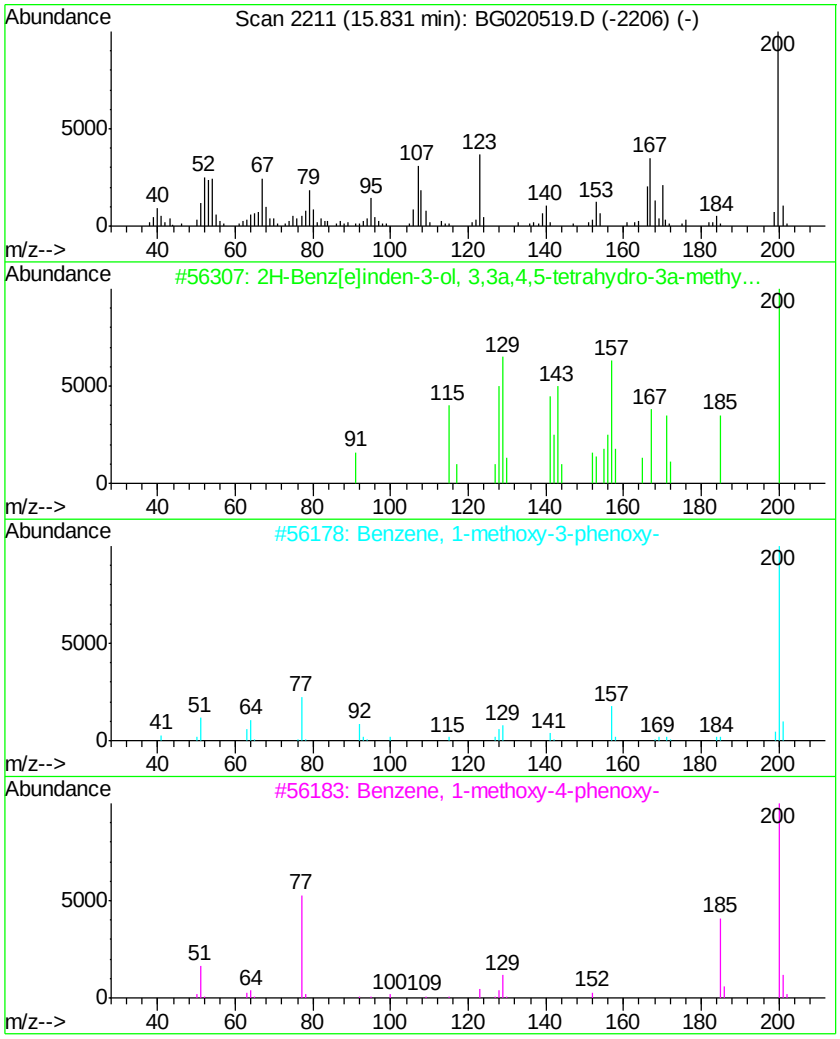
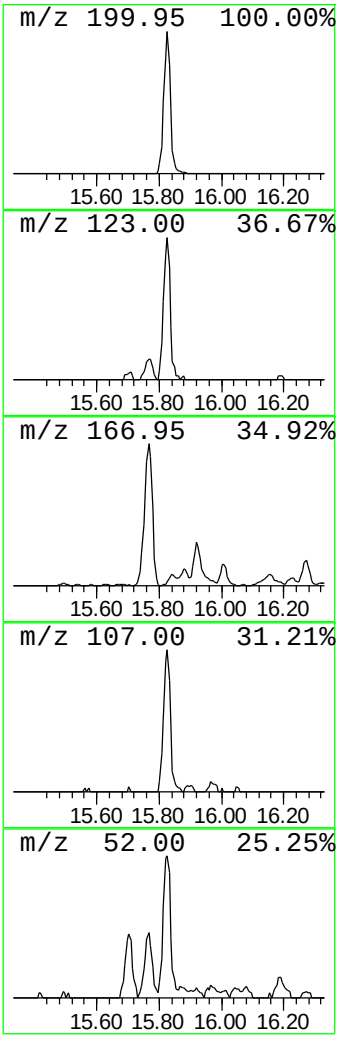
Peak Number 13 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	20.17 ng/ul	267563	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	35
2	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	14
3	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	14
4	6-Phenyl-1,6-dihydro-furo[3,4-d]...	200	C11H8N2O2	313263-12-6	12
5	Sulfamerazine	264	C11H12N4O2S	000127-79-7	12





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Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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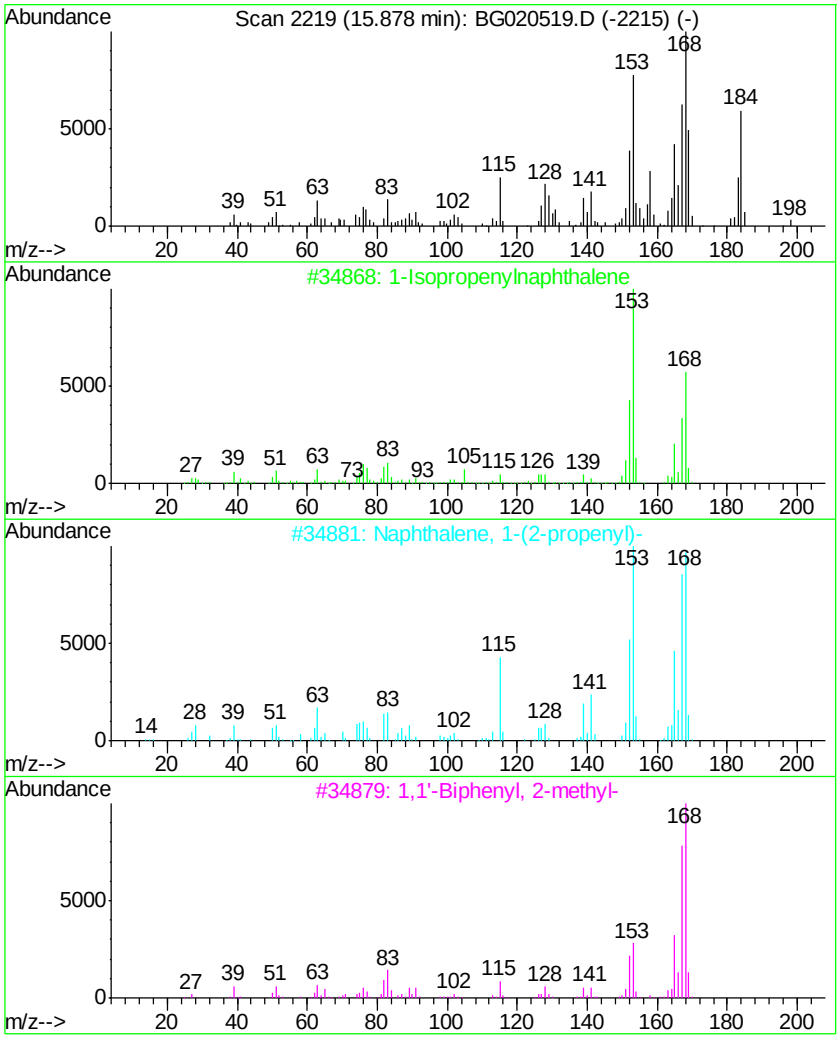
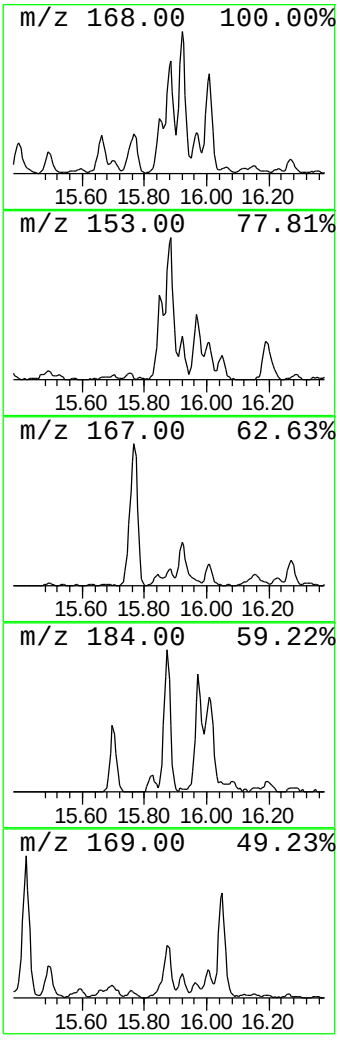
Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	22.54 ng/ul	298929	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	60
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	60
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	43





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Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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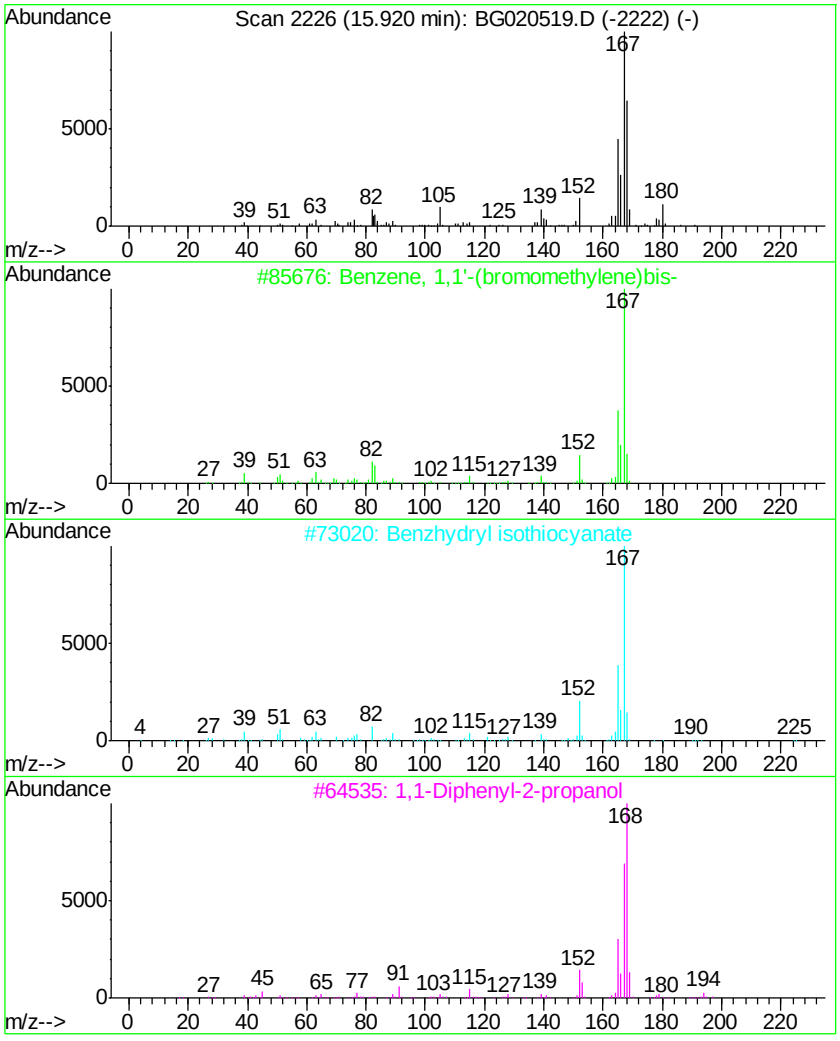
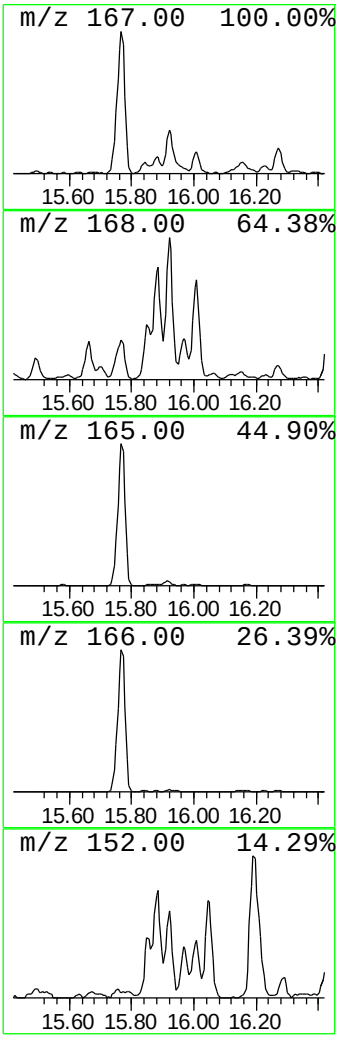
Peak Number 15 Benzene, 1,1'-(bromomethyle... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	24.68 ng/ul	327421	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	53
2	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	53
3	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	47
4	Diphenylmethane	168	C13H12	000101-81-5	38
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	38





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Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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Quant Title : SVOA CALIBRATION

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

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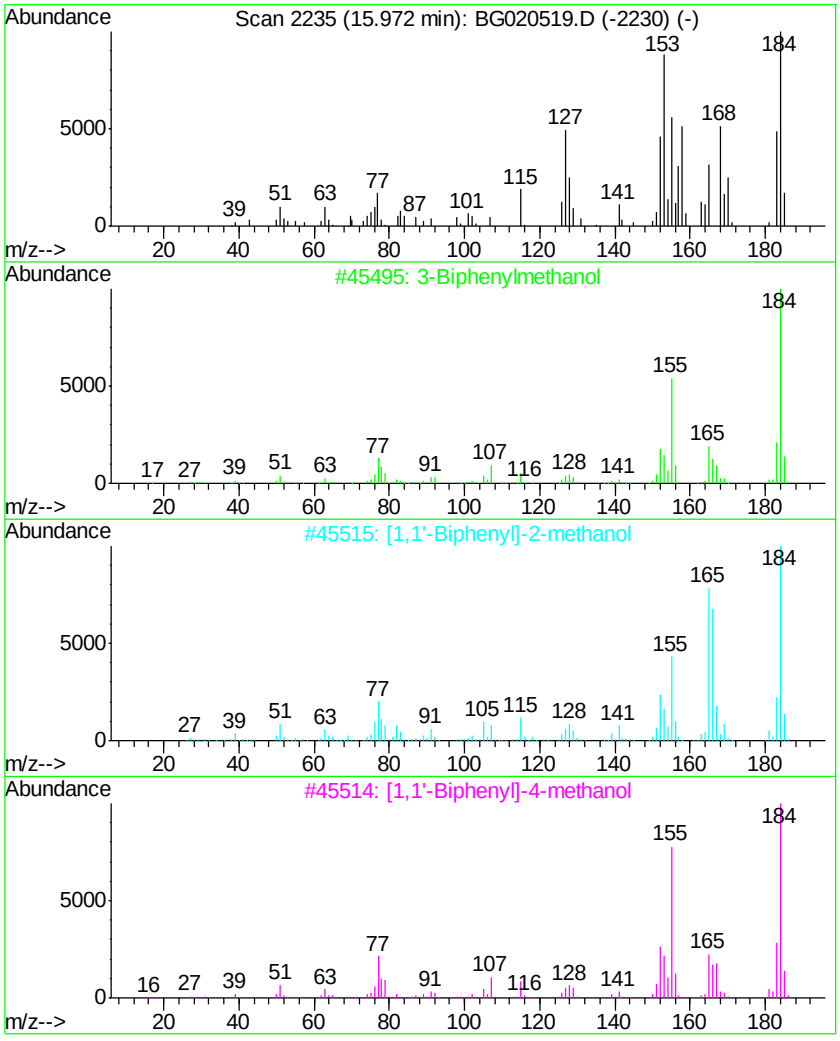
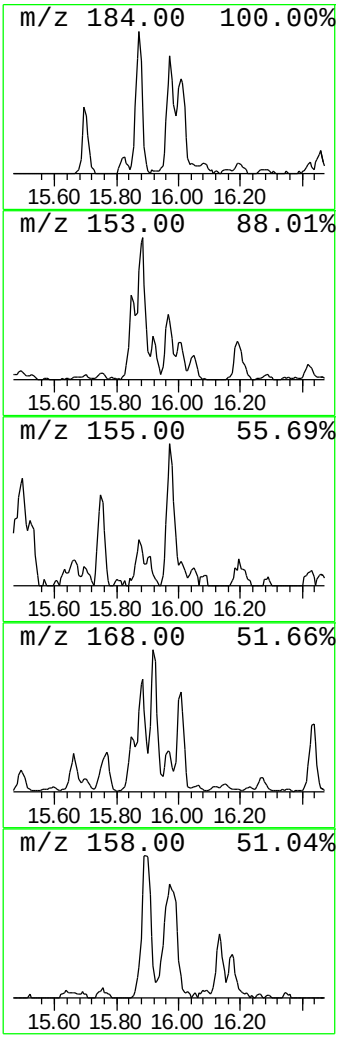
Peak Number 16 unknown-03 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	16.70 ng/ul	221498	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Biphenylmethanol	184	C13H12O	069605-90-9	38
2	[1,1'-Biphenyl]-2-methanol	184	C13H12O	002928-43-0	30
3	[1,1'-Biphenyl]-4-methanol	184	C13H12O	003597-91-9	25
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	25
5	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	20





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Quant Title : SVOA CALIBRATION

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

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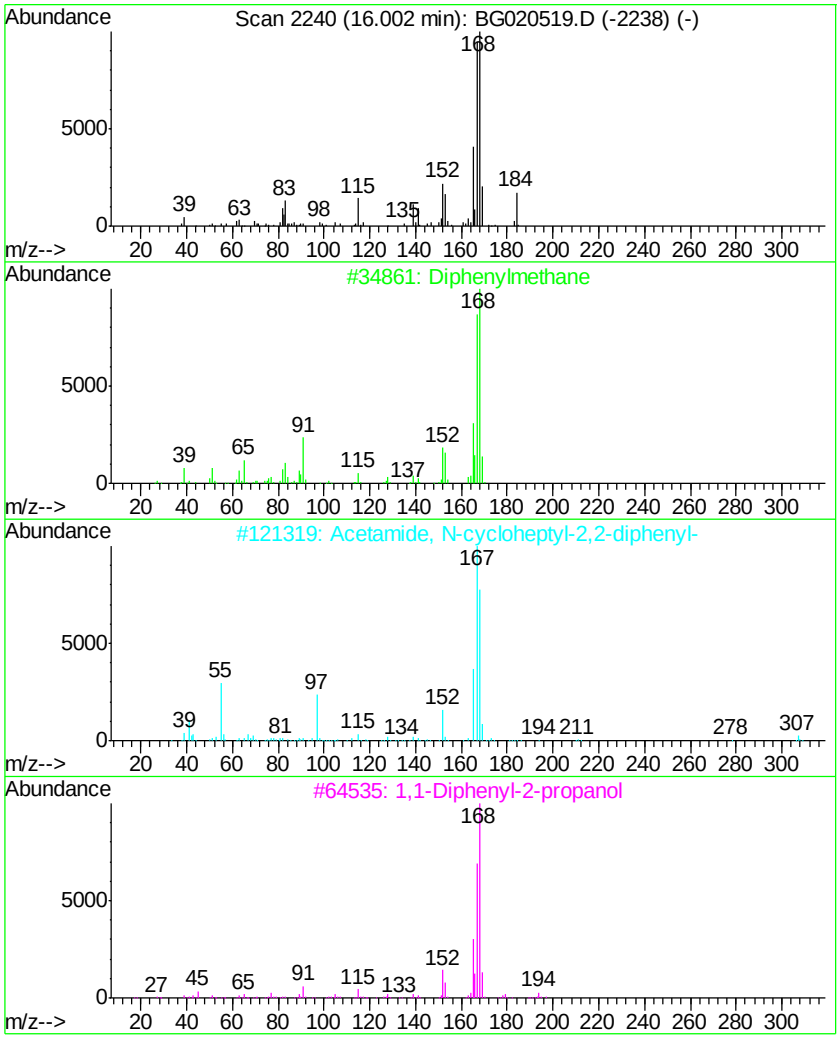
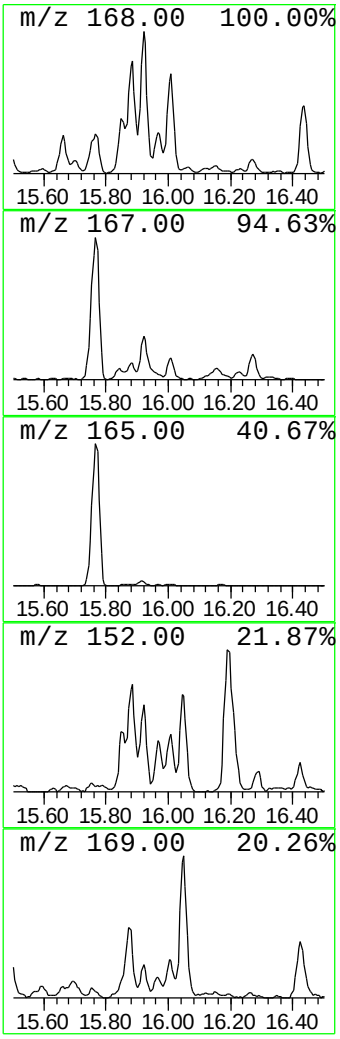
Peak Number 17 Diphenylmethane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	12.81 ng/ul	169956	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	68
2	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	64
3	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	62
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





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Sample : G4847-09
Misc :
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Instrument : BNA_G
ClientSampleId : D9N73

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

TIC Library : C:\DATABASE\NIST02.L
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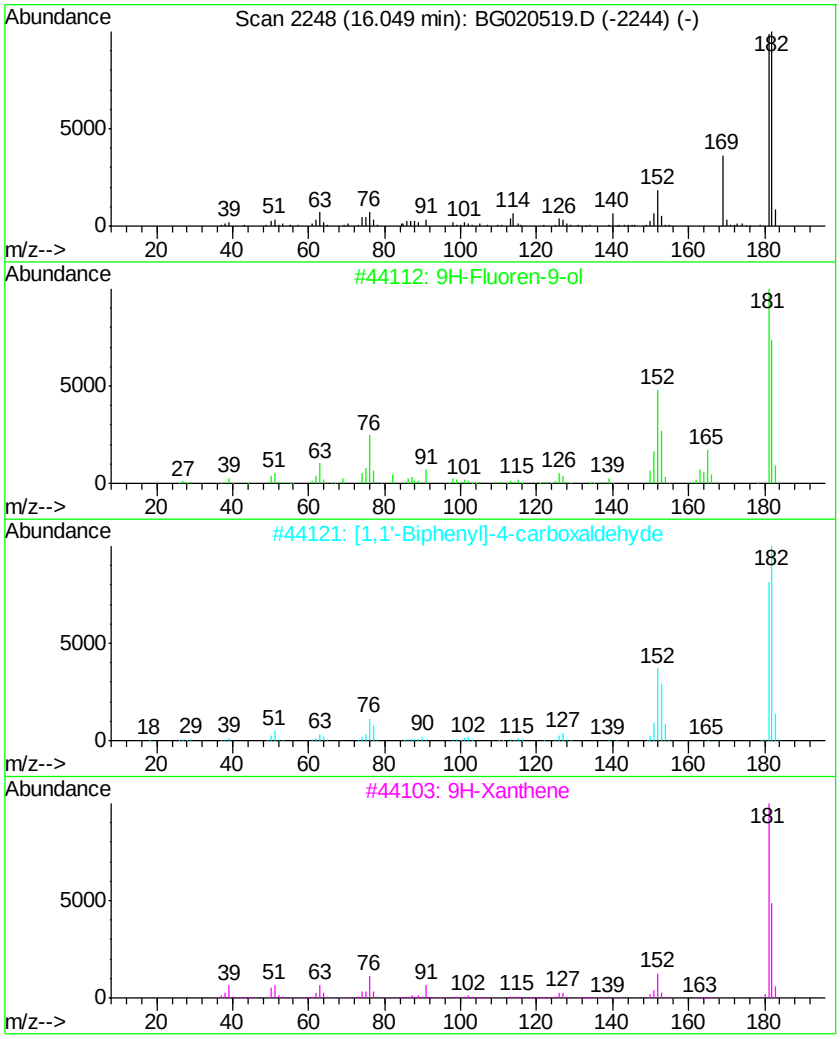
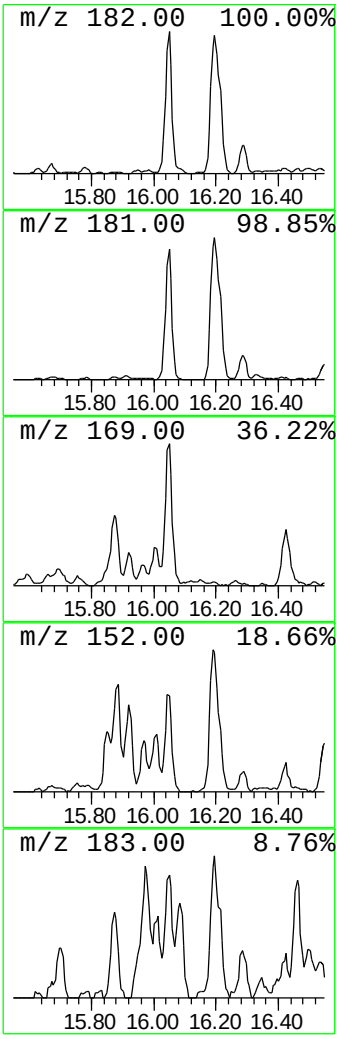
Peak Number 18 9H-Fluoren-9-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	21.36 ng/ul	283338	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
3	9H-Xanthene	182	C13H10O	000092-83-1	50
4	2-Fluorenamine	181	C13H11N	000153-78-6	43
5	2-Fluorenamine	181	C13H11N	000153-78-6	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

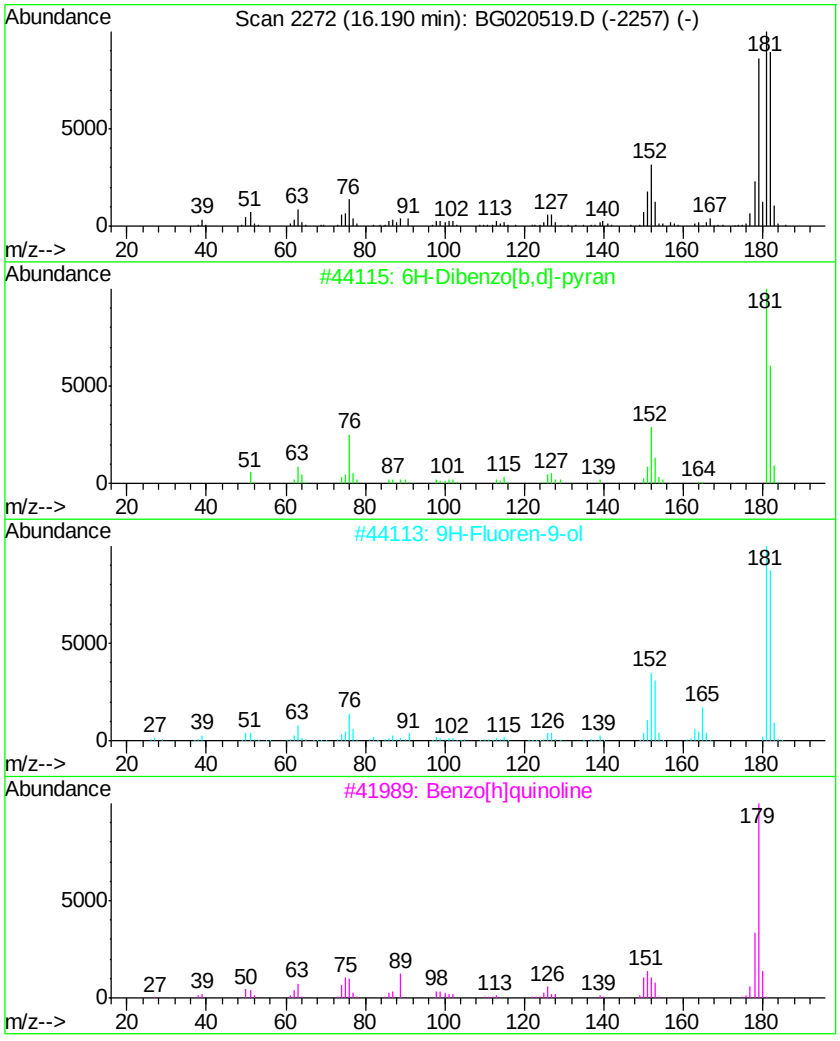
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

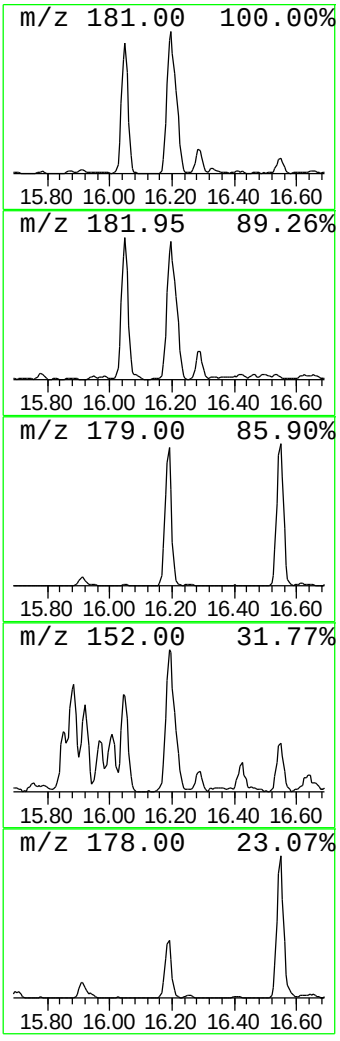
****

Peak Number 19 6H-Dibenzo[b,d]-pyran Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	32.73 ng/ul	586280	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	60
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	58
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	55
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	55
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	46





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Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

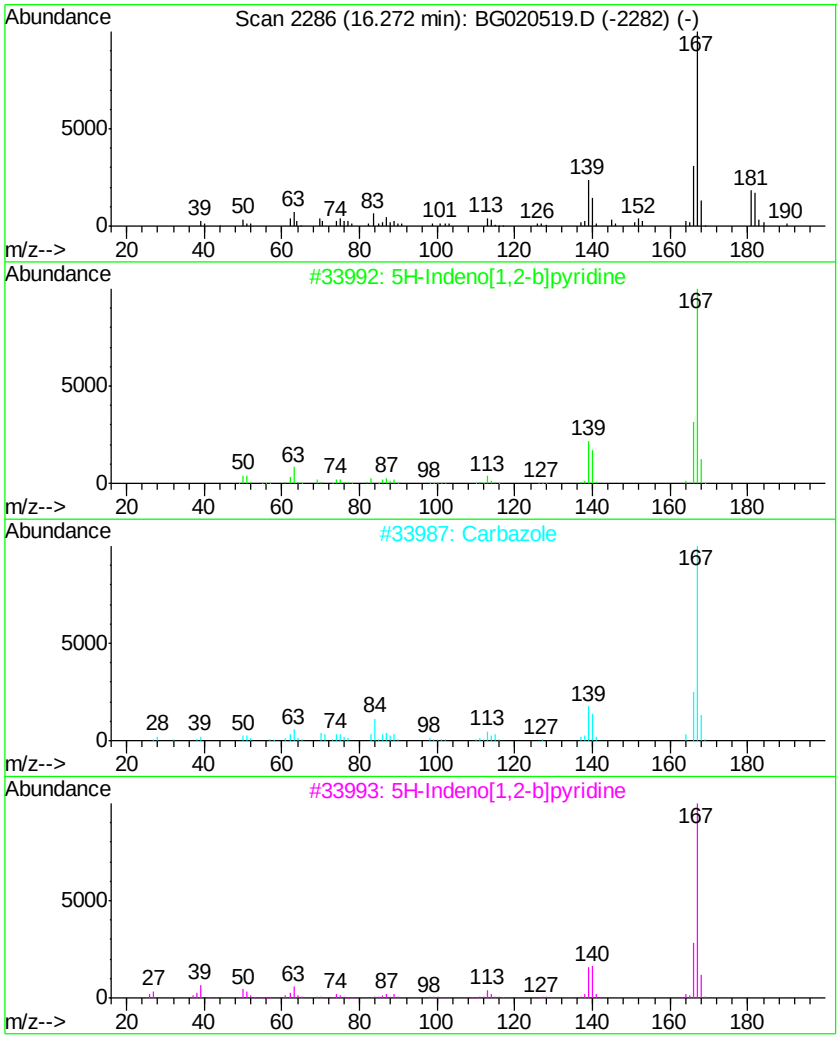
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

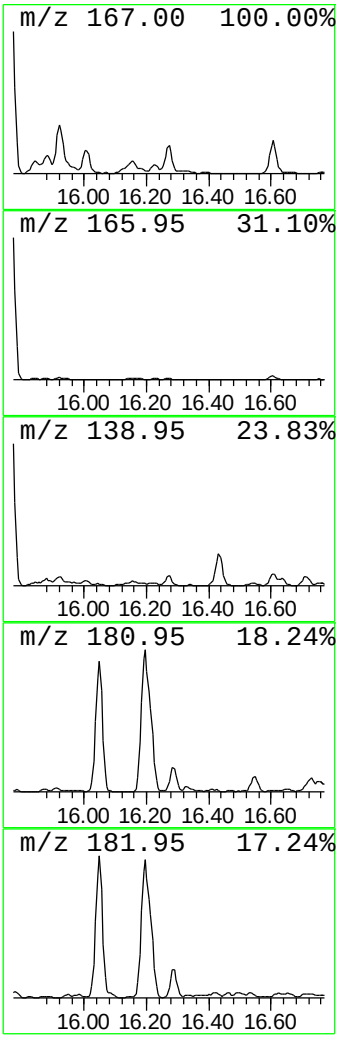
****

Peak Number 20 5H-Indeno[1,2-b]pyridine Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	6.34 ng/ul	113521	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	83
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	76
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	76
5	Carbazole	167	C12H9N	000086-74-8	76





Library Search Compound Report

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Sample : G4847-09
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ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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Quant Title : SVOA CALIBRATION

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

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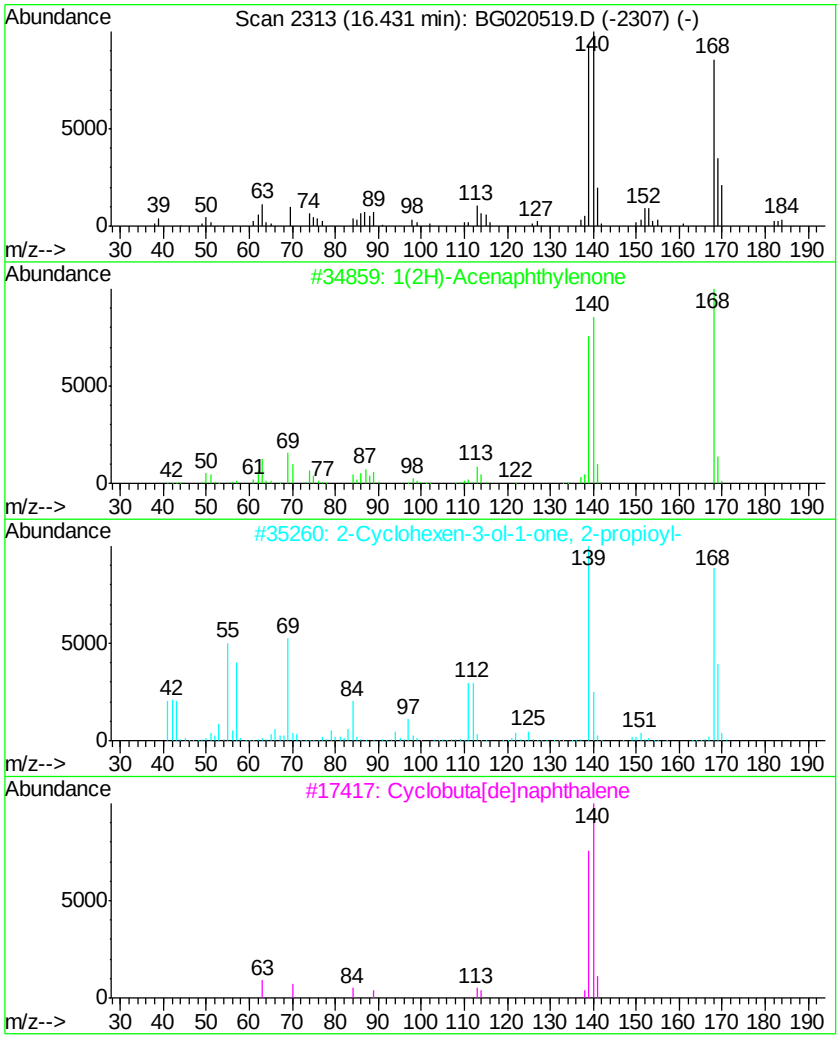
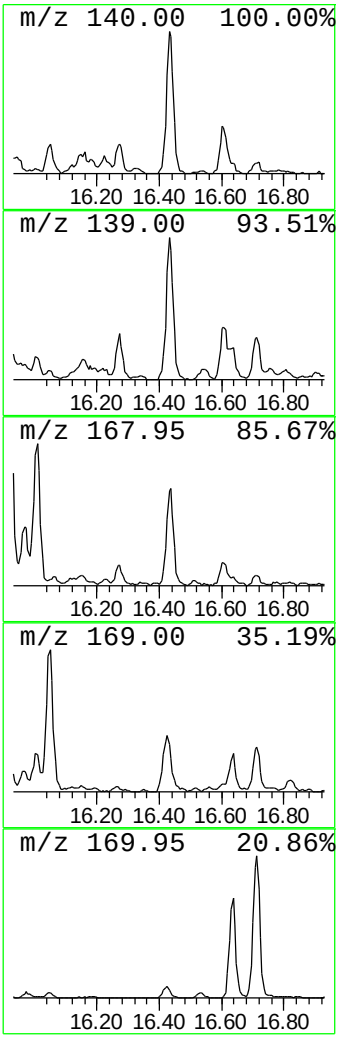
Peak Number 21 1(2H)-Acenaphthylenone Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	8.46 ng/ul	151560	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	47
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	42
5	Dibenzofuran	168	C12H8O	000132-64-9	42





Library Search Compound Report

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Data File : BG020519.D
Acq On : 26 Dec 2015 1:03
Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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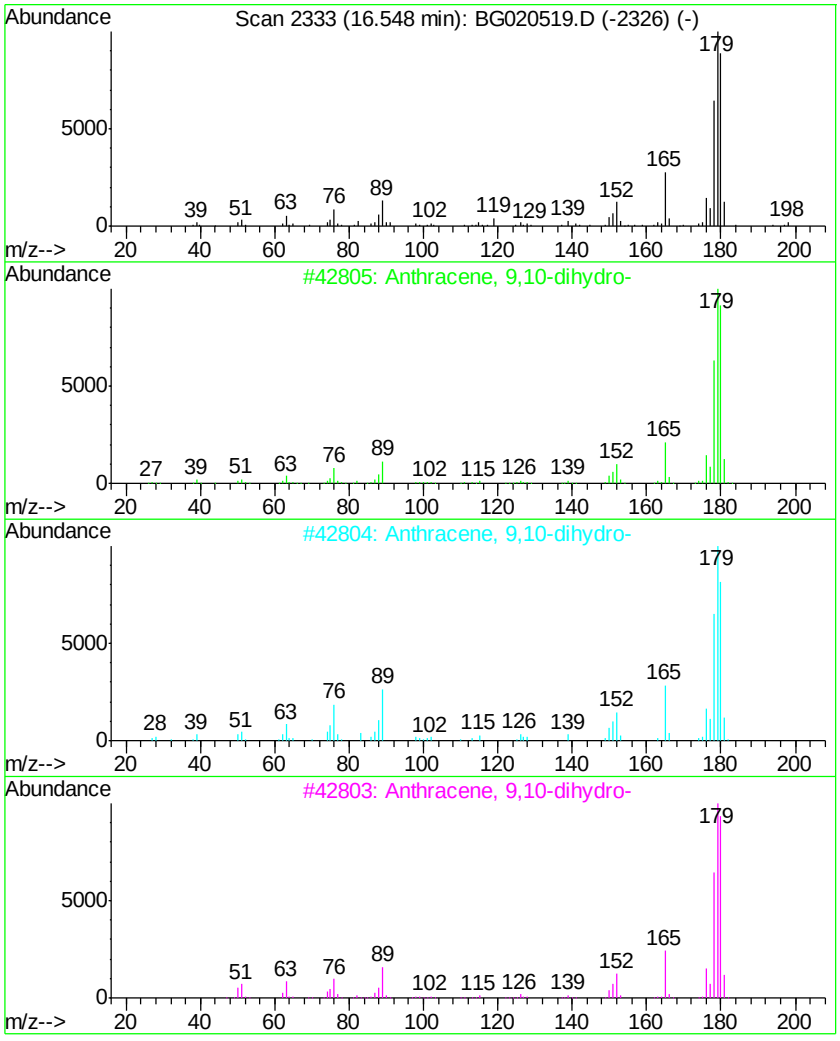
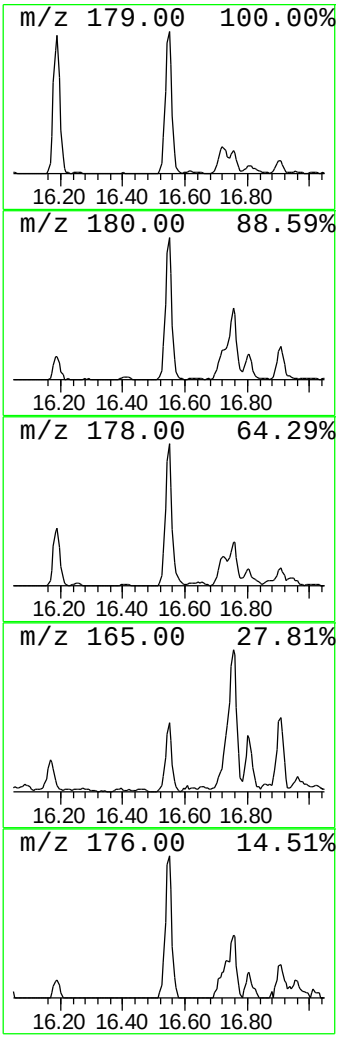
Peak Number 22 Anthracene, 9,10-dihydro- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	13.96 ng/ul	250030	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93
5	cis-Stilbene	180	C14H12	000645-49-8	90





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Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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Quant Title : SVOA CALIBRATION

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

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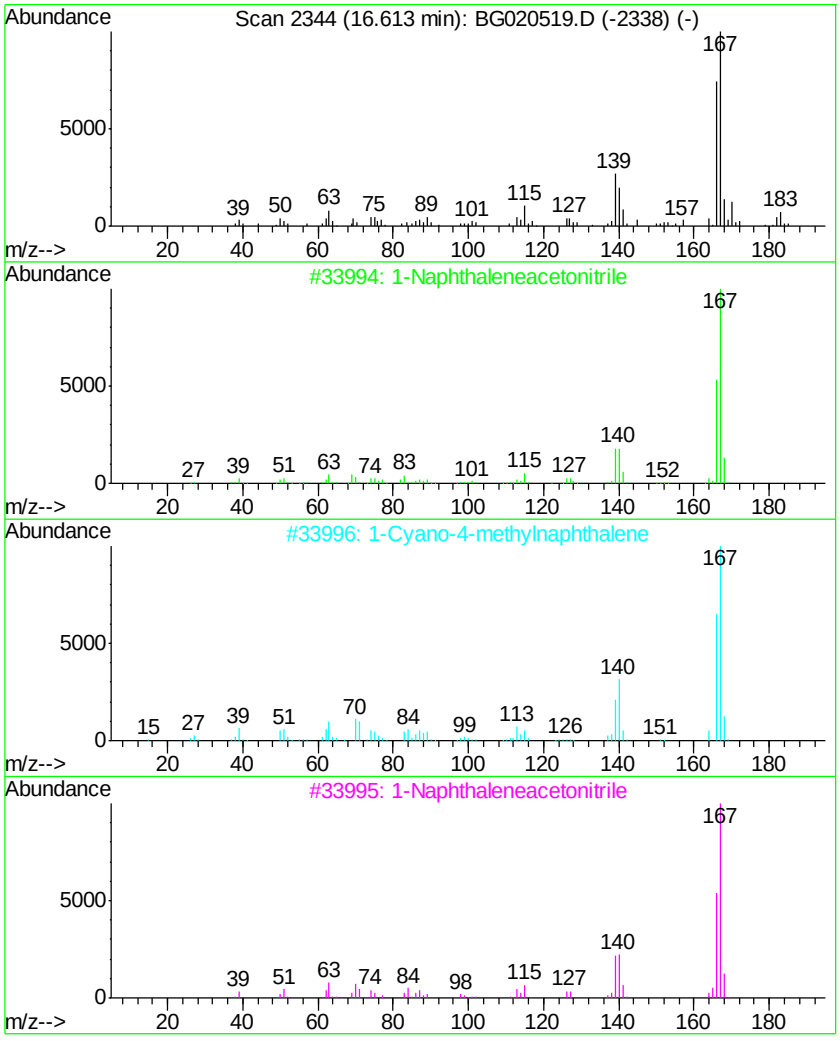
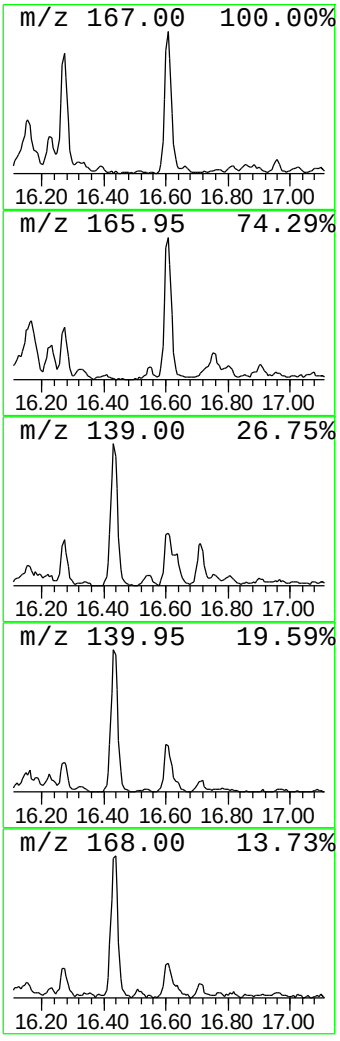
Peak Number 23 1-Naphthaleneacetonitrile Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	6.58 ng/ul	117914	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	96
2	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	90
3	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	89
4	2-[1-Naphthyl]-3-oxobutyronitrile	209	C14H11NO	031573-38-3	72
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	64





Library Search Compound Report

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Sample : G4847-09
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ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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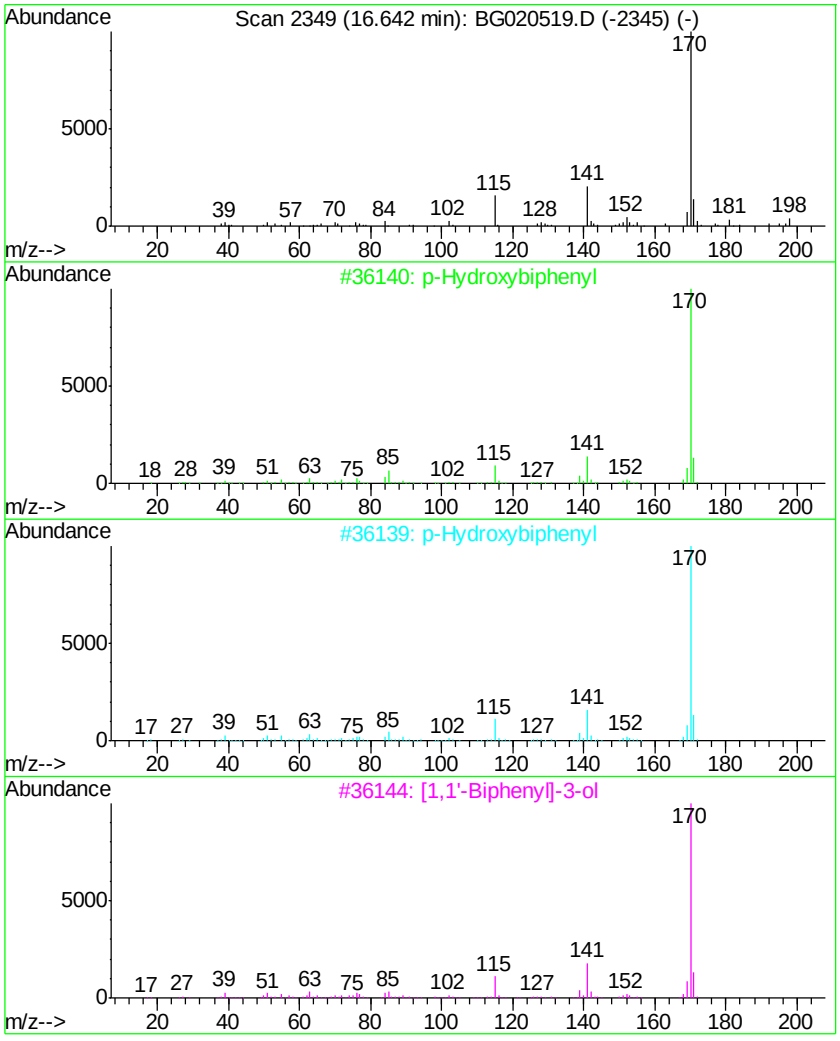
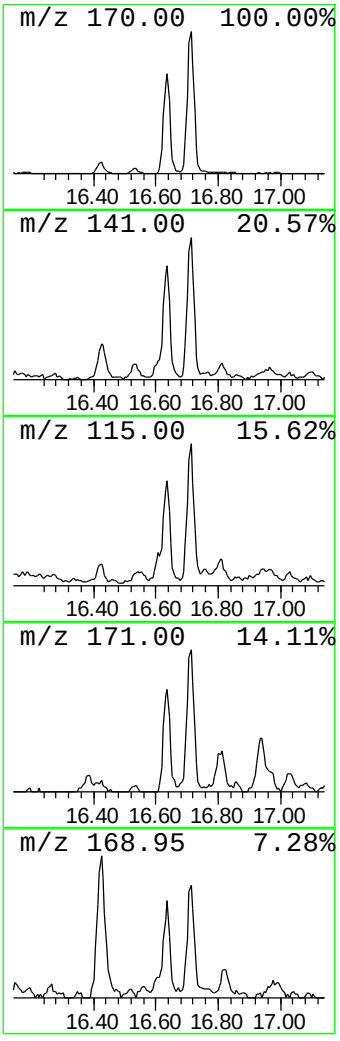
Peak Number 24 p-Hydroxybiphenyl Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	9.37 ng/ul	167874	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	90
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	90
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	86





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Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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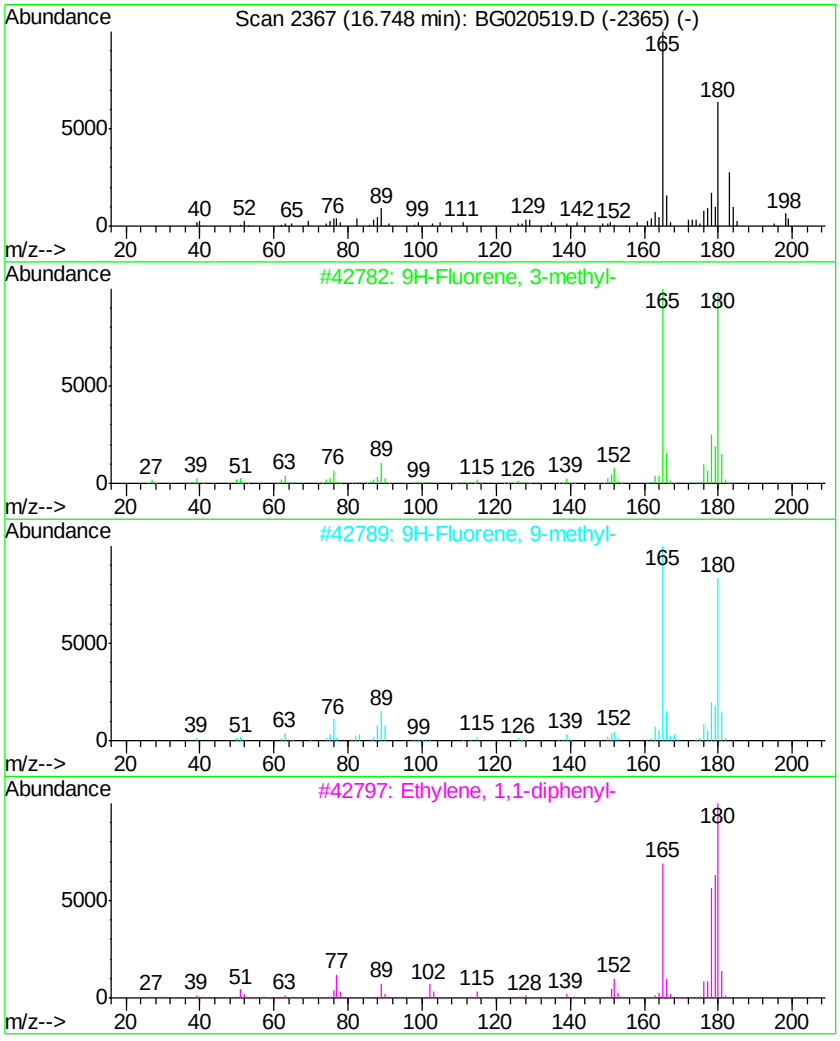
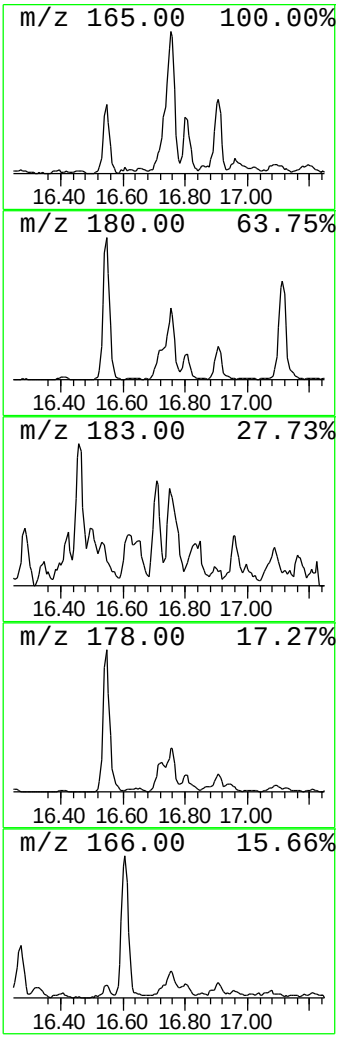
Peak Number 26 9H-Fluorene, 3-methyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	5.88 ng/ul	105314	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
3	Ethylene, 1,1-diphenyl-	180	C14H12	000530-48-3	53
4	(E)-Stilbene	180	C14H12	000103-30-0	53
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	53





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ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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Peak Number 27 Benzofuran, 3-methyl-2-(1-m... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	7.72 ng/ul	138179	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 3-methyl-2-(1-methyl...	172	C12H12O	023911-58-2	50
2	5-Methyl-3-phenylcyclopent-2-en-...	172	C12H12O	026131-82-8	46
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	42
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42
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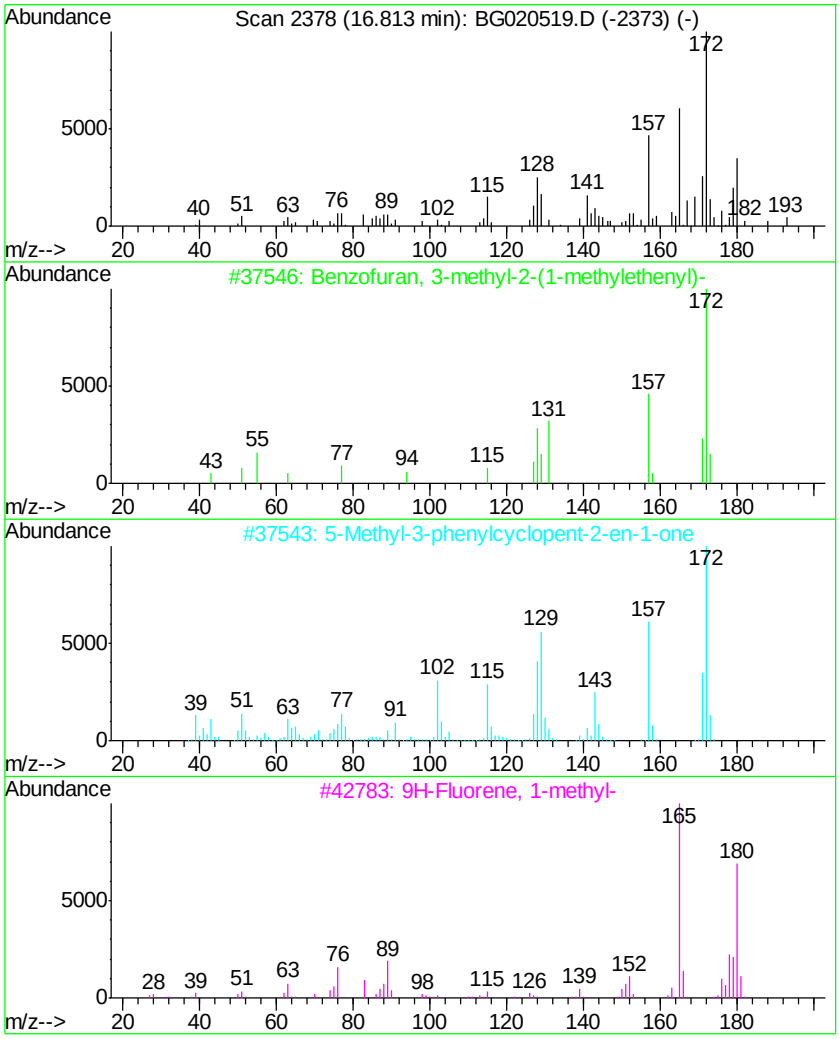

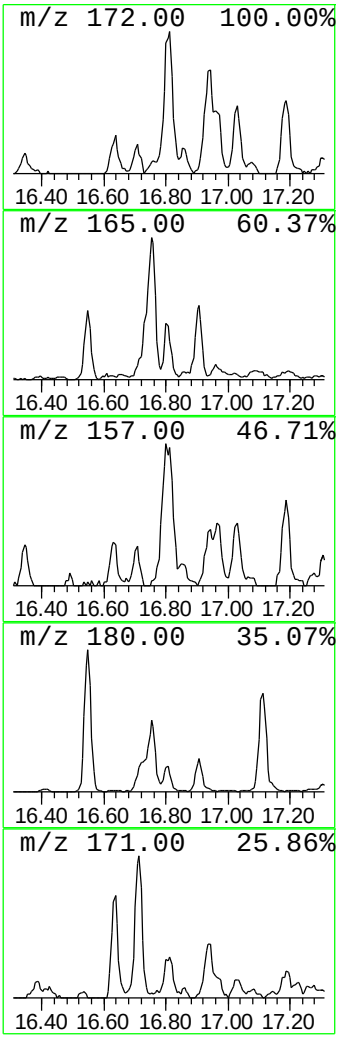

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ALS Vial : 58 Sample Multiplier: 1

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

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

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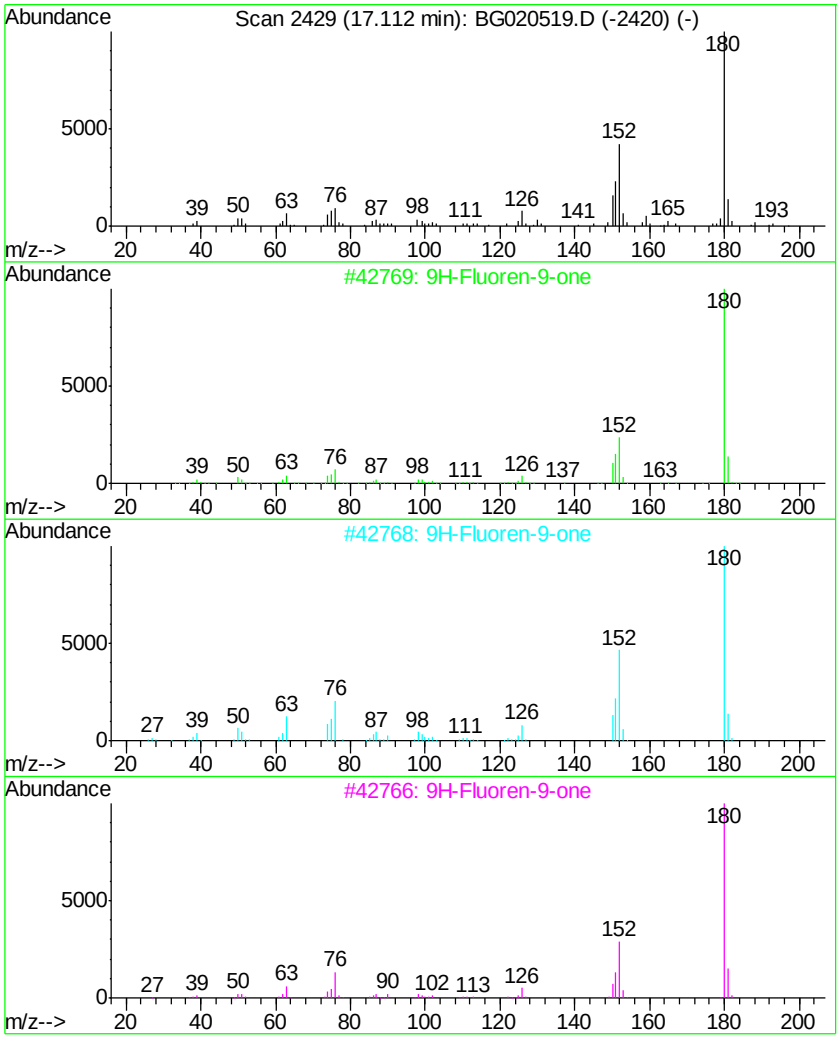
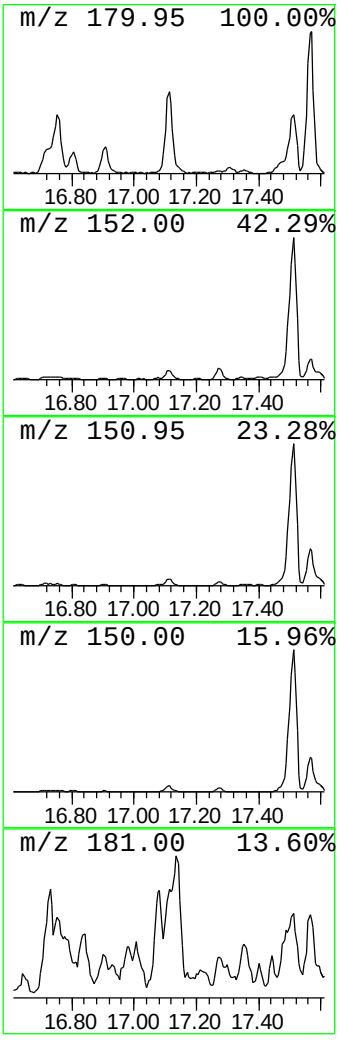
Peak Number 28 9H-Fluoren-9-one Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	9.30 ng/ul	166563	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





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Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

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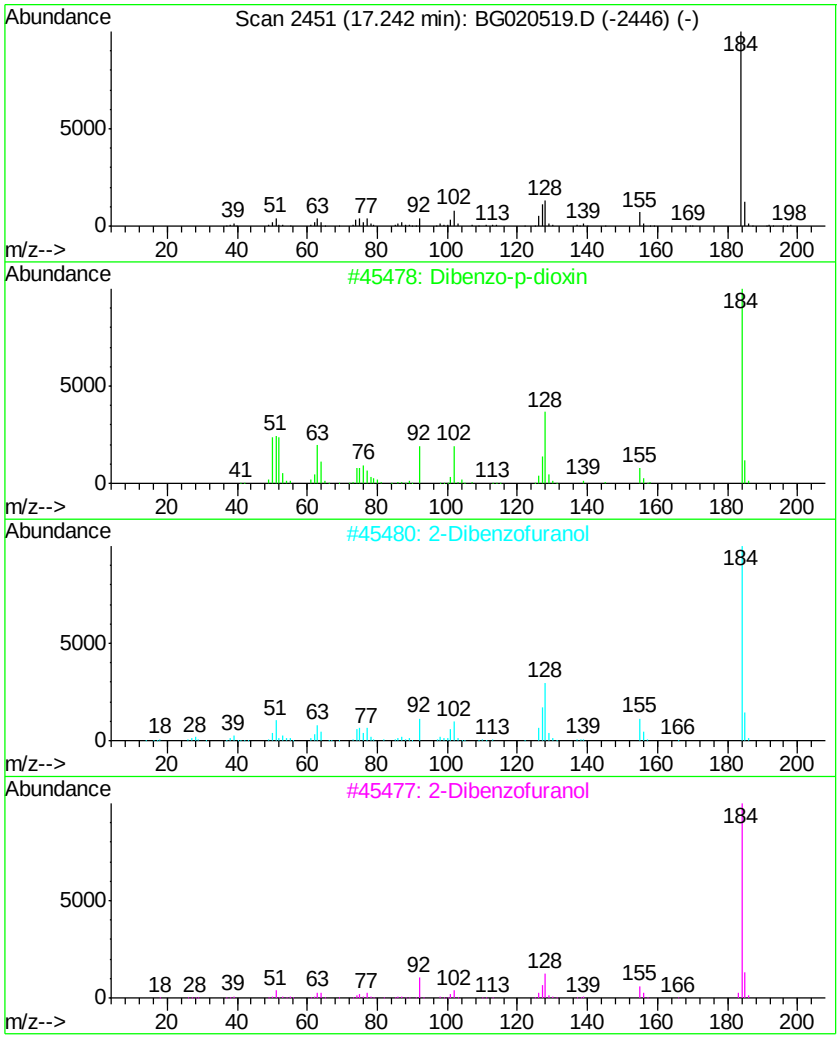
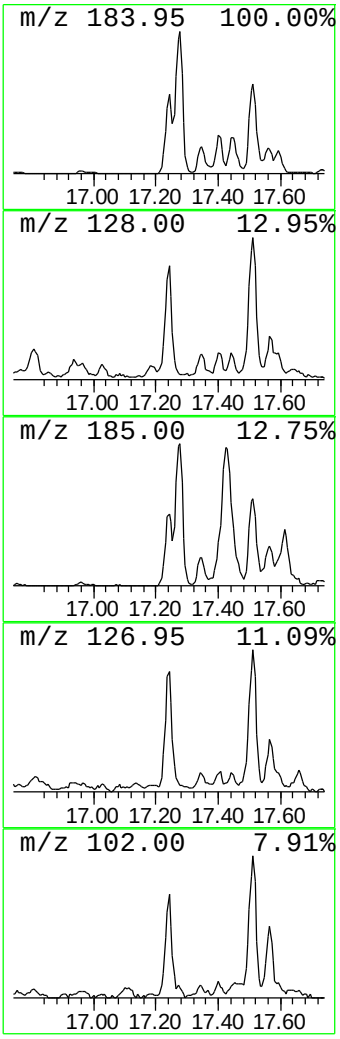
Peak Number 29 Dibenzo-p-dioxin Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	12.42 ng/ul	222473	Phenanthrene-d10	17.46

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





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ClientSampleId : D9N73

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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 Naphtho[2,3-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	24.92 ng/ul	446339	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
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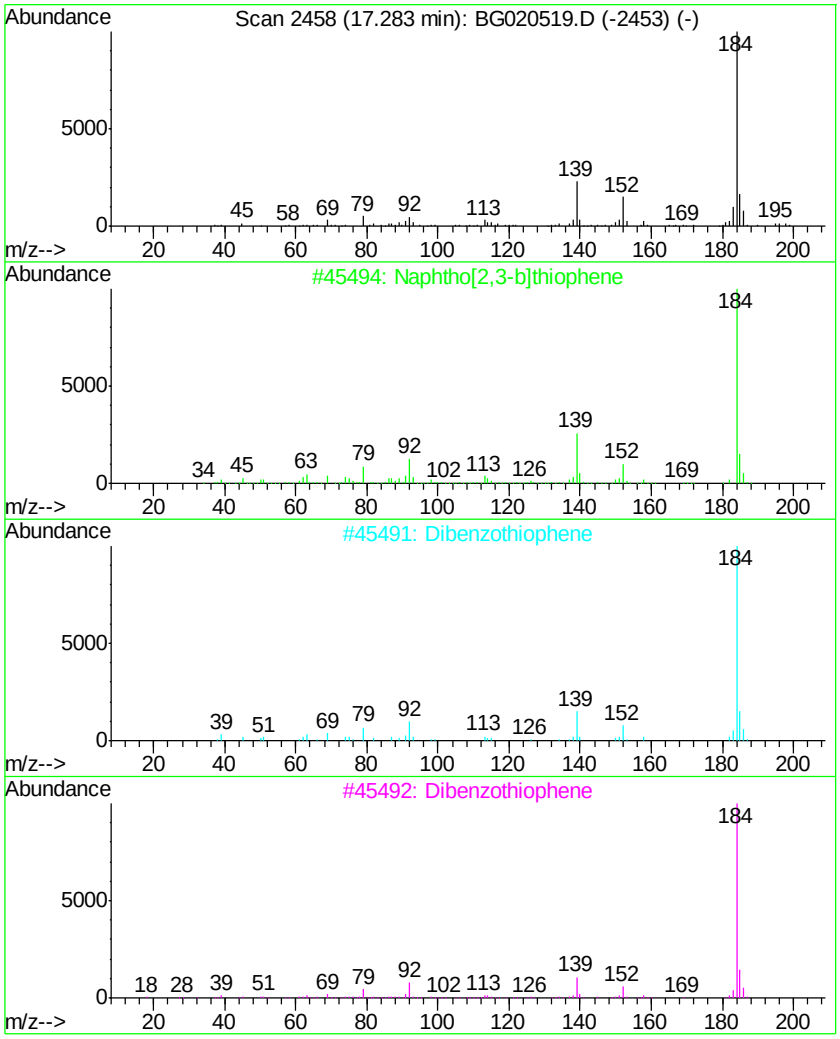

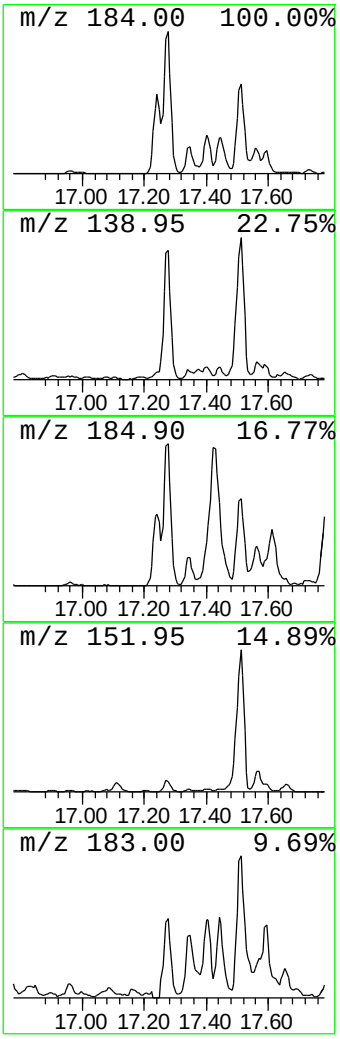

Tentatively Identified Compound (LSC) summary

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Data File : BG020519.D
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Operator : UM/SJ
Sample : G4847-09
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	8.45	46.7	ng/ul	239757	1	8.08	102664	20.0
Benzene, 1-propynyl-	8.62	298.1	ng/ul	1530160	1	8.08	102664	20.0
Naphthalene, 1-me...	12.78	2.7	ng/ul	2773290	2	10.91	20482500	20.0
Quinoline, 7-methyl-	13.18	9.1	ng/ul	120195	3	14.72	265298	20.0
Naphthalene, 1-et...	13.74	25.3	ng/ul	335732	3	14.72	265298	20.0
Naphthalene, 1,3-...	13.89	33.7	ng/ul	446738	3	14.72	265298	20.0
Naphthalene, 2,3-...	14.03	38.0	ng/ul	504630	3	14.72	265298	20.0
2-Naphthalenecarb...	14.86	147.5	ng/ul	1956750	3	14.72	265298	20.0
o-Hydroxybiphenyl	14.99	11.4	ng/ul	151313	3	14.72	265298	20.0
unknown-01	15.01	9.5	ng/ul	126084	3	14.72	265298	20.0
Propanedioic acid...	15.20	8.3	ng/ul	110352	3	14.72	265298	20.0
unknown-02	15.83	20.2	ng/ul	267563	3	14.72	265298	20.0
1-Isopropenylnaph...	15.88	22.5	ng/ul	298929	3	14.72	265298	20.0
Benzene, 1,1'-(br...	15.92	24.7	ng/ul	327421	3	14.72	265298	20.0
unknown-03	15.97	16.7	ng/ul	221498	3	14.72	265298	20.0
Diphenylmethane	16.00	12.8	ng/ul	169956	3	14.72	265298	20.0
9H-Fluoren-9-ol	16.05	21.4	ng/ul	283338	3	14.72	265298	20.0
6H-Dibenzo[b,d]-p...	16.19	32.7	ng/ul	586280	4	17.46	358200	20.0
5H-Indeno[1,2-b]p...	16.27	6.3	ng/ul	113521	4	17.46	358200	20.0
1(2H)-Acenaphthyl...	16.43	8.5	ng/ul	151560	4	17.46	358200	20.0
Anthracene, 9,10-...	16.55	14.0	ng/ul	250030	4	17.46	358200	20.0
1-Naphthaleneacet...	16.61	6.6	ng/ul	117914	4	17.46	358200	20.0
p-Hydroxybiphenyl	16.64	9.4	ng/ul	167874	4	17.46	358200	20.0
9H-Fluorene, 3-me...	16.75	5.9	ng/ul	105314	4	17.46	358200	20.0
Benzofuran, 3-met...	16.81	7.7	ng/ul	138179	4	17.46	358200	20.0
9H-Fluoren-9-one	17.11	9.3	ng/ul	166563	4	17.46	358200	20.0
Dibenzo-p-dioxin	17.24	12.4	ng/ul	222473	4	17.46	358200	20.0
Naphtho[2,3-b]thi...	17.28	24.9	ng/ul	446339	4	17.46	358200	20.0