LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.219	228	235	249	rBV	188905	301719	3.37%	0.489%
2	8.085	887	893	901	rBB	51998	85410	0.96%	0.139%
3	8.625	978	985	994	rBB	61754	105210	1.18%	0.171%
4	8.790	1006	1013	1022	rBV	55592	95299	1.07%	0.155%
5	9.248	1085	1091	1104	rBB	47075	86486	0.97%	0.140%
6	9.977	1209	1215	1223	rBB2	43144	75768	0.85%	0.123%
7	10.523	1301	1308	1316	rBB2	76164	133457	1.49%	0.216%
8	10.905	1366	1373	1376	rBV	82138	155893	1.74%	0.253%
9	10.964	1376	1383	1390	rVV	1806058	3425986	38.32%	5.556%
10	11.034	1390	1395	1398	rVV	47627	86026	0.96%	0.140%
11	11.076	1398	1402	1410	rVB	63105	111756	1.25%	0.181%
12	12.556	1644	1654	1661	rBV	1152198	1954505	21.86%	3.170%
13	12.774	1680	1691	1701	rVB	566148	967764	10.82%	1.570%
14	13.555	1816	1824	1831	rVV	428543	676632	7.57%	1.097%
15	13.749	1850	1857	1868	rVB	157114	288685	3.23%	0.468%
16	13.896	1869	1882	1889	rBV	199360	536954	6.01%	0.871%
17	14.037	1899	1906	1911	rVV	275639	514528	5.75%	0.834%
18	14.090	1911	1915	1918	rVV	195576	327675	3.66%	0.531%
19	14.119	1918	1920	1925	rVV	167626	205101	2.29%	0.333%
20	14.278	1941	1947	1950	rBV	109534	186166	2.08%	0.302%
21	14.413	1963	1970	1972	rBV	171507	265230	2.97%	0.430%
22	14.689	2011	2017	2020	rBV	200124	320549	3.59%	0.520%
23	14.718	2020	2022	2027	rVV2	158419	229440	2.57%	0.372%
24	14.795	2027	2035	2040	rVV	2319818	3763854	42.10%	6.104%
25	14.853	2040	2045	2050	rVB	99574	153389	1.72%	0.249%
26	14.918	2050	2056	2065	rBV	84075	178293	1.99%	0.289%
27	15.024	2065	2074	2079	rVV2	95894	197026	2.20%	0.320%
28	15.124	2083	2091	2097	rVV	1521179	2499943	27.96%	4.055%
29	15.188	2097	2102	2111	rVB	69322	116387	1.30%	0.189%
30	15.323	2119	2125	2130	rBV3	53647	97817	1.09%	0.159%
31	15.382	2130	2135	2141	rVB2	57286	85422	0.96%	0.139%
32	15.500	2147	2155	2158	rBV2	44999	95810	1.07%	0.155%
33	15.711	2186	2191	2195	rVV	213518	356537	3.99%	0.578%
34	15.776	2195	2202	2208	rVV	1994475	3275506	36.63%	5.312%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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

35	15.858	2208	2216	2218	rVV2	112261	220952	2.47%	0.358%
36	15.887	2218	2221	2224	rVV	172719	269895	3.02%	0.438%
37	15.929	2224	2228	2233	rVV2	306132	499716	5.59%	0.810%
38	15.976	2233	2236	2239	rVV3	72348	117461	1.31%	0.191%
39	16.017	2239	2243	2245	rVV	147632	225807	2.53%	0.366%
40	16.058	2245	2250	2258	rVV	313709	514611	5.76%	0.835%
41	16.199	2264	2274	2282	rVV	333355	754803	8.44%	1.224%
42	16.293	2287	2290	2295	rVV	60540	89066	1.00%	0.144%
43	16.557	2325	2335	2341	rBV	175448	290735	3.25%	0.472%
44	16.763	2358	2370	2375	rVV2	244444	576602	6.45%	0.935%
45	16.810	2375	2378	2384	rVV2	95052	178765	2.00%	0.290%
46	16.916	2390	2396	2400	rVV2	100292	187204	2.09%	0.304%
47	16.992	2400	2409	2412	rVV2	85894	212267	2.37%	0.344%
48	17.027	2412	2415	2419	rVV2	105364	177175	1.98%	0.287%
49	17.115	2426	2430	2437	rVV4	49795	98435	1.10%	0.160%
50	17.192	2437	2443	2451	rVV4	113952	305229	3.41%	0.495%
51	17.286	2453	2459	2467	rVB	495534	761629	8.52%	1.235%
52	17.474	2484	2491	2492	rBV2	175537	280580	3.14%	0.455%
53	17.533	2492	2501	2505	rVV	4371700	8941104	100.00%	14.501%
54	17.574	2505	2508	2510	rVV	320200	410444	4.59%	0.666%
55	17.603	2510	2513	2518	rVB	422529	572476	6.40%	0.928%
56	17.868	2546	2558	2566	rVV2	296762	598125	6.69%	0.970%
57	17.979	2572	2577	2583	rVV2	110725	191667	2.14%	0.311%
58	18.044	2583	2588	2597	rVB4	50683	117742	1.32%	0.191%
59	18.185	2607	2612	2621	rVB	45672	101027	1.13%	0.164%
60	18.338	2633	2638	2642	rBV	415388	606366	6.78%	0.983%
61	18.390	2642	2647	2652	rVB	585294	860351	9.62%	1.395%
62	18.467	2652	2660	2666	rBV	178307	302596	3.38%	0.491%
63	18.543	2666	2673	2677	rBV2	767778	1457912	16.31%	2.365%
64	18.831	2717	2722	2727	rVV	351852	506716	5.67%	0.822%
65	19.072	2759	2763	2767	rVB3	69219	93677	1.05%	0.152%
66	19.242	2786	2792	2798	rBV	115551	221915	2.48%	0.360%
67	19.524	2832	2840	2845	rBV	3058731	5079740	56.81%	8.239%
68	19.607	2851	2854	2858	rVB	66053	81172	0.91%	0.132%
69	19.754	2874	2879	2889	rVB	119658	233295	2.61%	0.378%
70	19.853	2889	2896	2897	rBV3	885964	1361582	15.23%	2.208%
71	19.883	2897	2901	2907	rVB	2093963	3368150	37.67%	5.463%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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

72	19.942	2907	2911	2918	rVB2	131946	209396	2.34%	0.340%
73	20.047	2923	2929	2935	rVB	150736	224306	2.51%	0.364%
74	20.106	2935	2939	2947	rVB	52777	89122	1.00%	0.145%
75	20.188	2947	2953	2954	rBV2	138045	209260	2.34%	0.339%
76	20.247	2960	2963	2968	rBV	76066	96115	1.07%	0.156%
77	20.365	2970	2983	2988	rVB	437922	801540	8.96%	1.300%
78	20.465	2993	3000	3004	rBV	513244	761670	8.52%	1.235%
79	20.517	3004	3009	3013	rVV2	135122	269056	3.01%	0.436%
80	20.558	3013	3016	3019	rVV	78696	100120	1.12%	0.162%
81	20.658	3029	3033	3037	rBV	70250	100279	1.12%	0.163%
82	20.888	3067	3072	3075	rBV	68351	99888	1.12%	0.162%
83	21.076	3099	3104	3109	rVV	56296	110922	1.24%	0.180%
84	21.311	3137	3144	3148	rVV	133267	214718	2.40%	0.348%
85	21.352	3148	3151	3156	rVV	133604	207201	2.32%	0.336%
86	21.405	3156	3160	3165	rVV2	105825	207918	2.33%	0.337%
87	21.593	3184	3192	3200	rBV	39643	102675	1.15%	0.167%
88	21.722	3202	3214	3221	rVV3	694398	1682443	18.82%	2.729%
89	21.786	3221	3225	3237	rVB	492882	831791	9.30%	1.349%
90	21.939	3246	3251	3260	rBV	117647	205533	2.30%	0.333%
91	22.151	3280	3287	3294	rVV2	66305	143796	1.61%	0.233%
92	22.474	3333	3342	3347	rVV2	57753	146378	1.64%	0.237%
93	22.803	3393	3398	3406	rVB4	47250	100300	1.12%	0.163%
94	23.966	3586	3596	3603	rBV	146938	488086	5.46%	0.792%
95	24.701	3712	3721	3726	rVV	64981	170619	1.91%	0.277%
96	24.777	3726	3734	3740	rVV	144206	404704	4.53%	0.656%
97	24.848	3741	3746	3759	rVV	99415	270676	3.03%	0.439%
98	25.006	3762	3773	3781	rVV2	140181	417938	4.67%	0.678%
99	25.083	3781	3786	3801	rVB2	26937	80760	0.90%	0.131%
100	28.720	4392	4405	4422	rVB5	18361	87423	0.98%	0.142%

Sum of corrected areas: 61657845

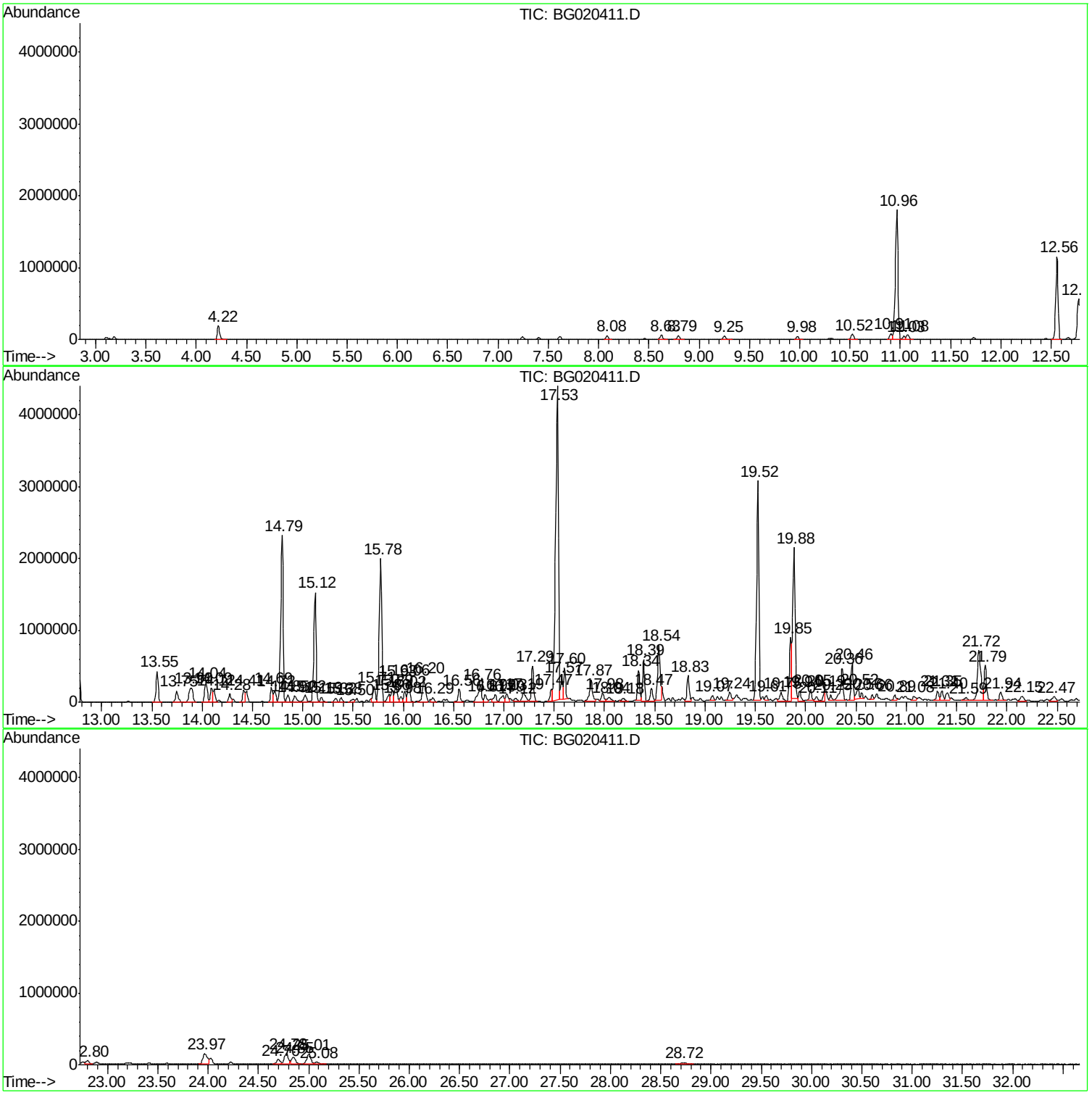
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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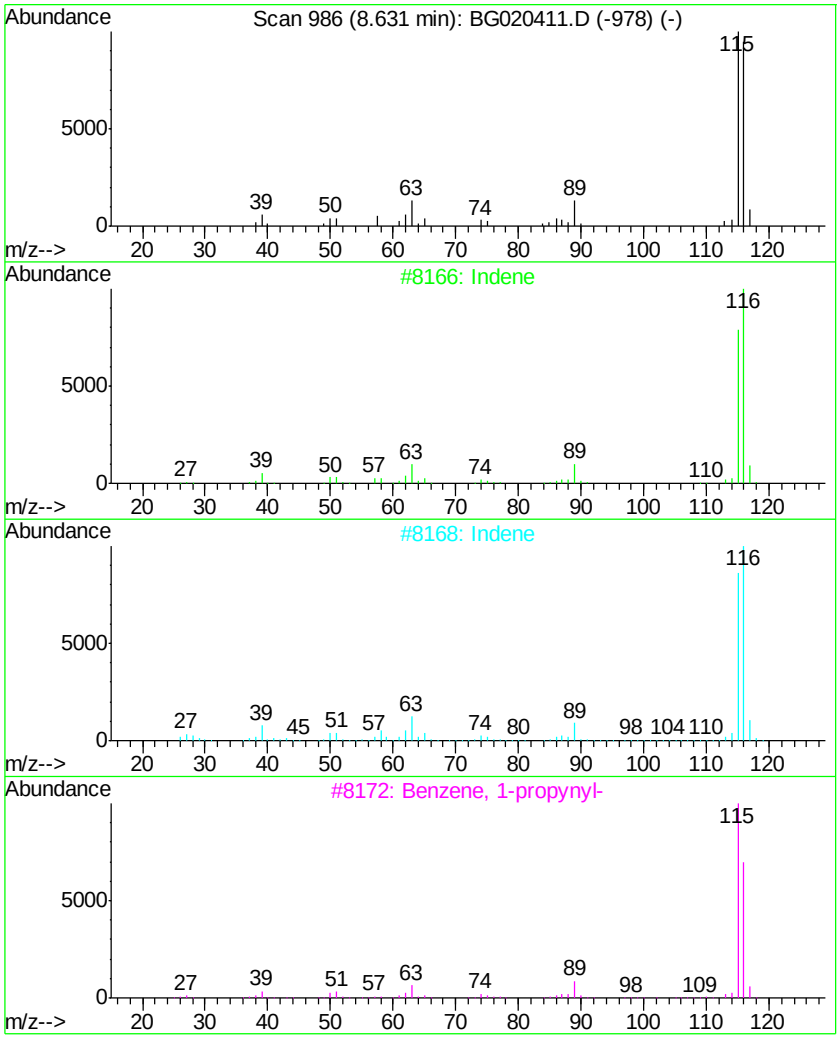
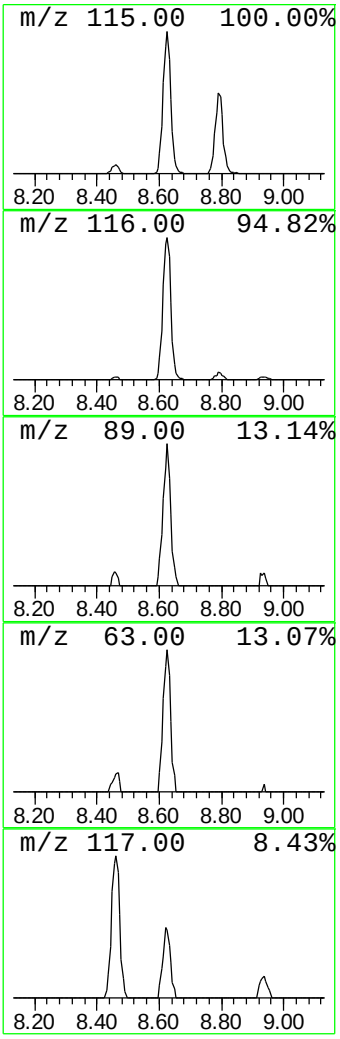
Peak Number 2 Indene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	24.64 ng/ul	105210	1,4-Dichlorobenzene-d4	8.08

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	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\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

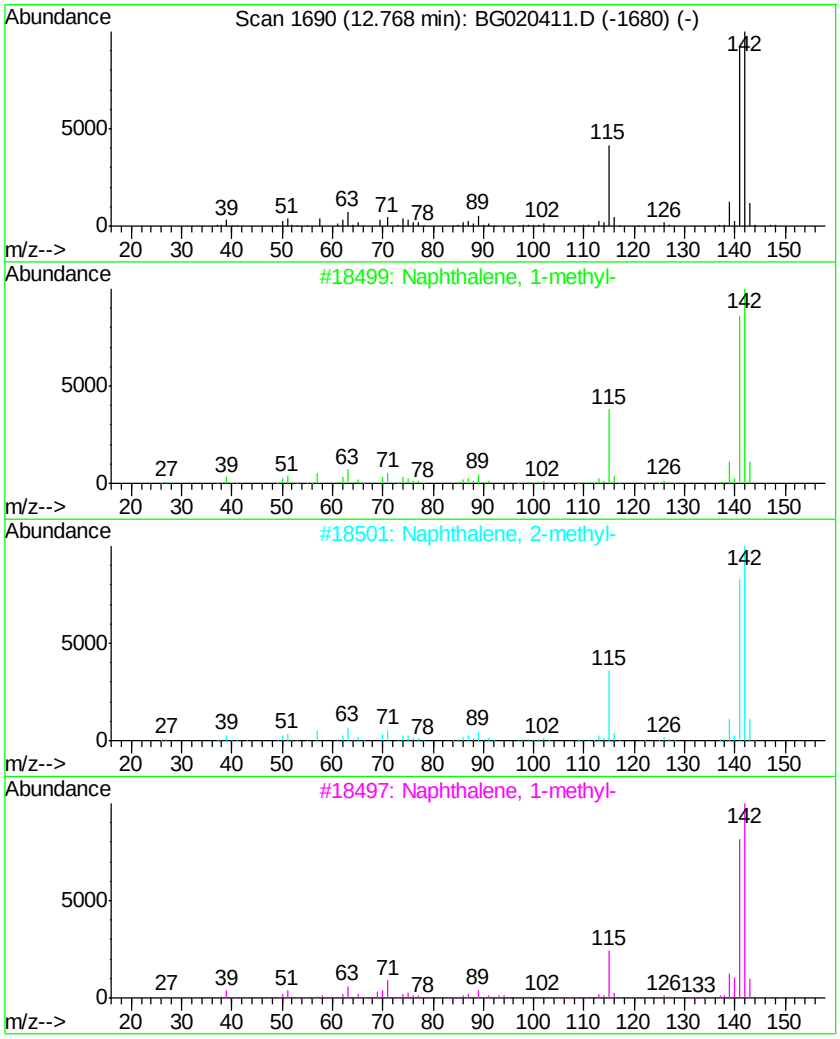
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

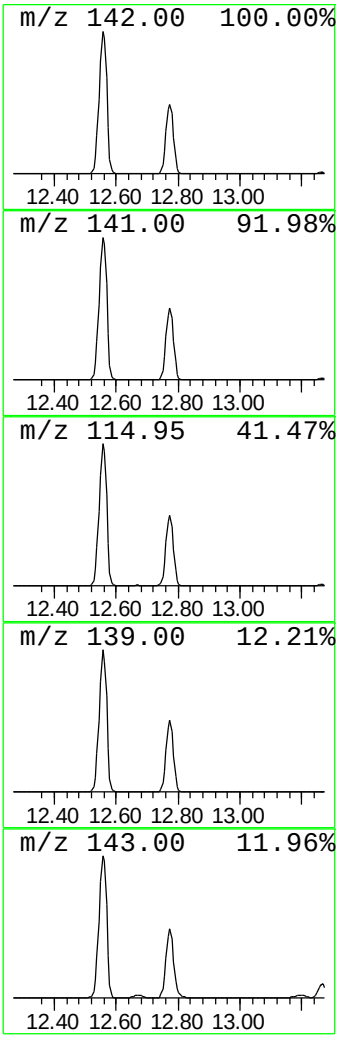
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	124.16 ng/ul	967764	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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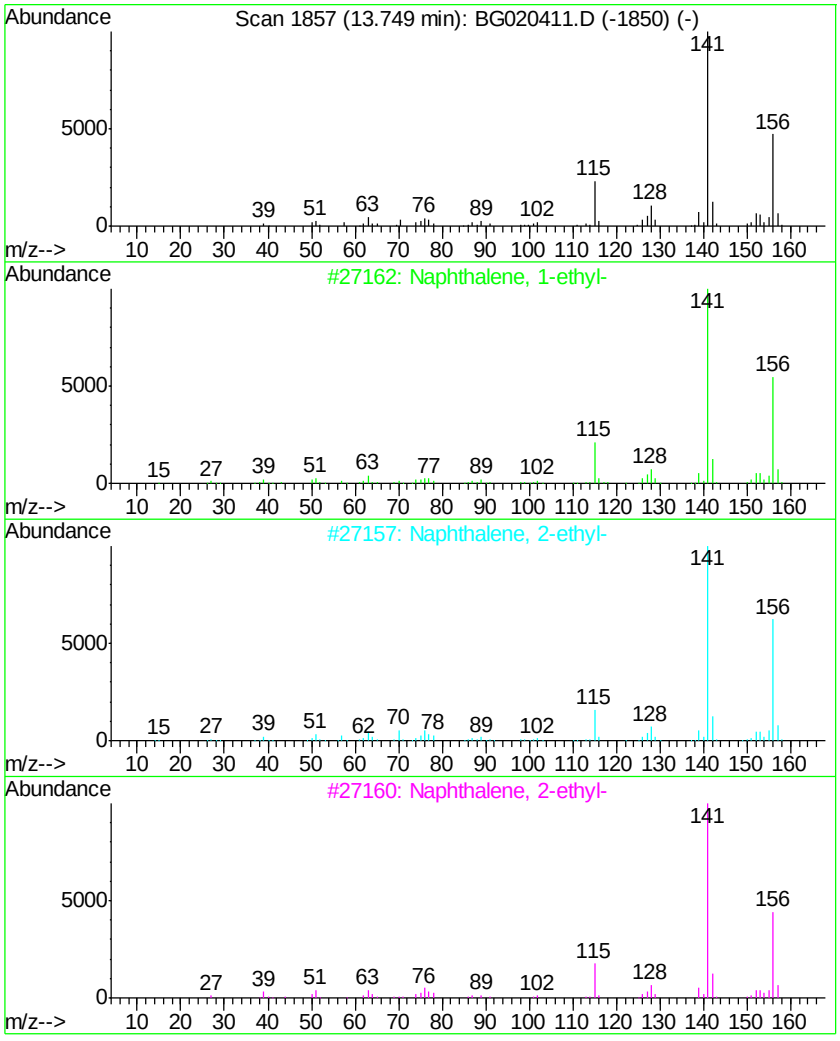
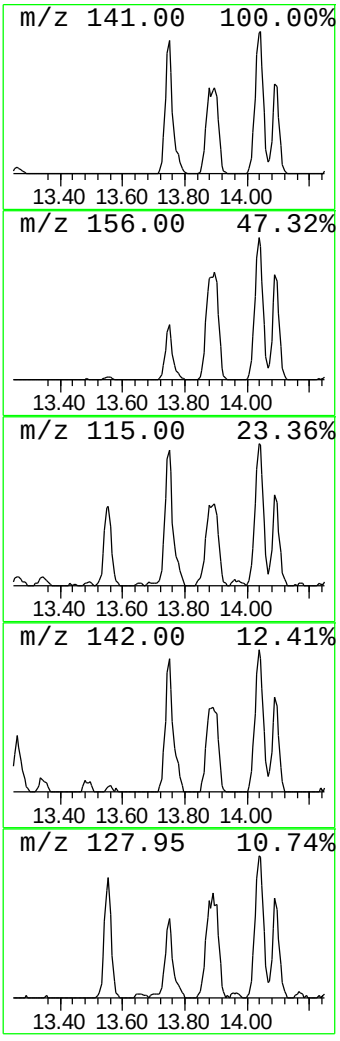
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	25.16 ng/ul	288685	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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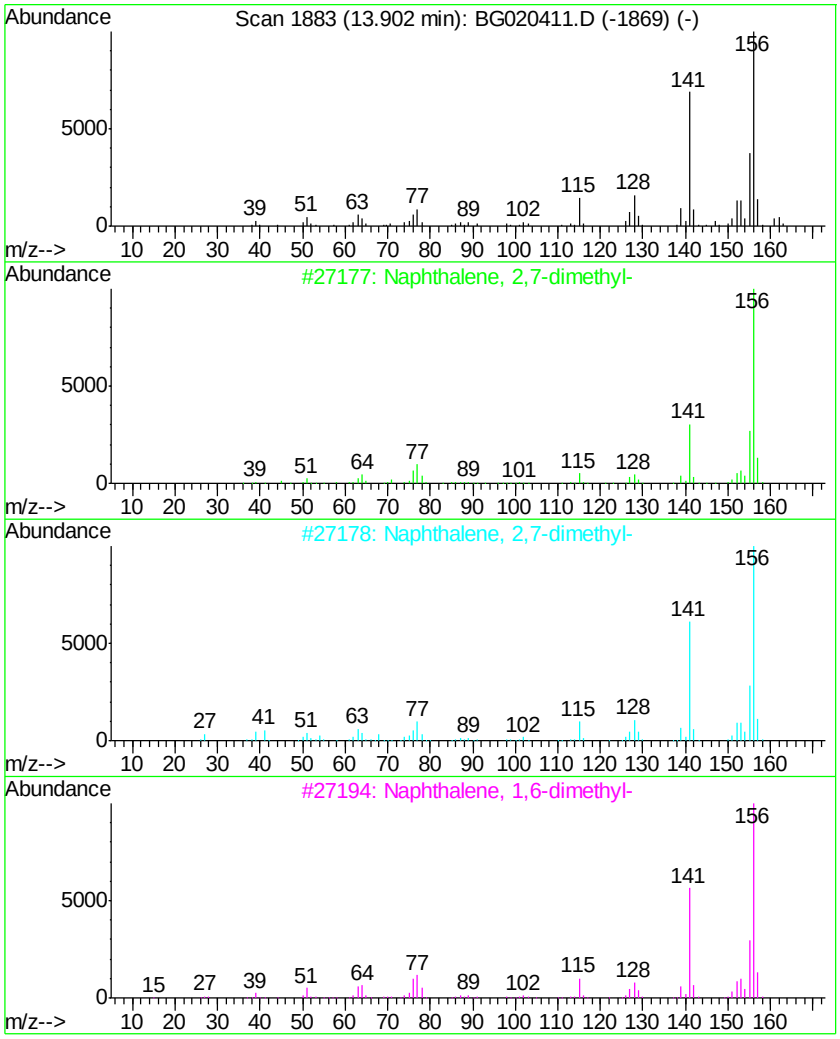
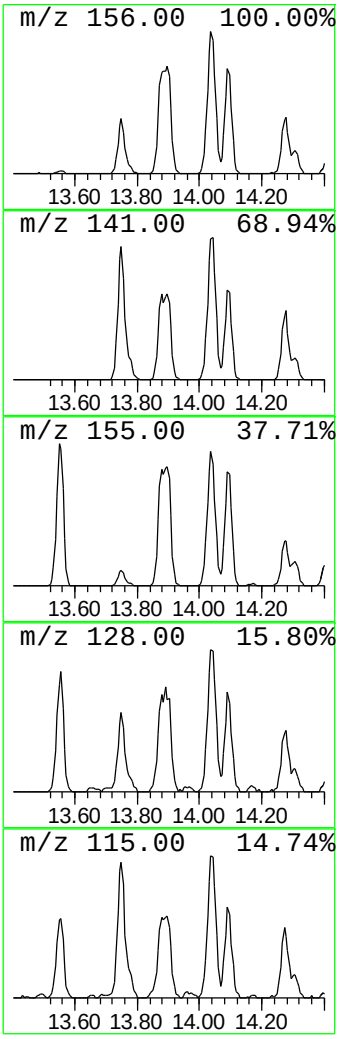
Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	46.81 ng/ul	536954	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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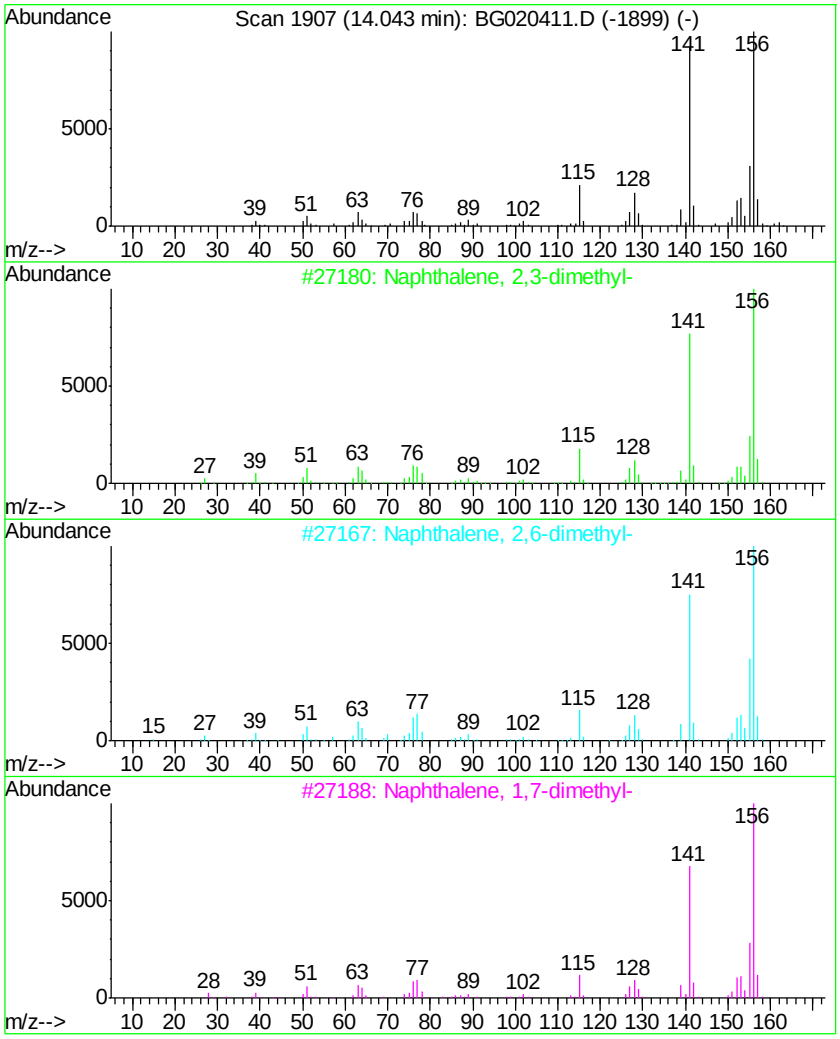
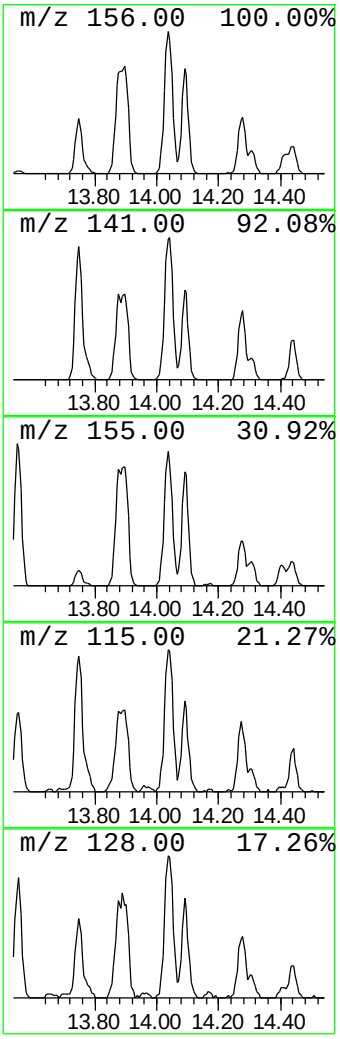
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	44.85 ng/ul	514528	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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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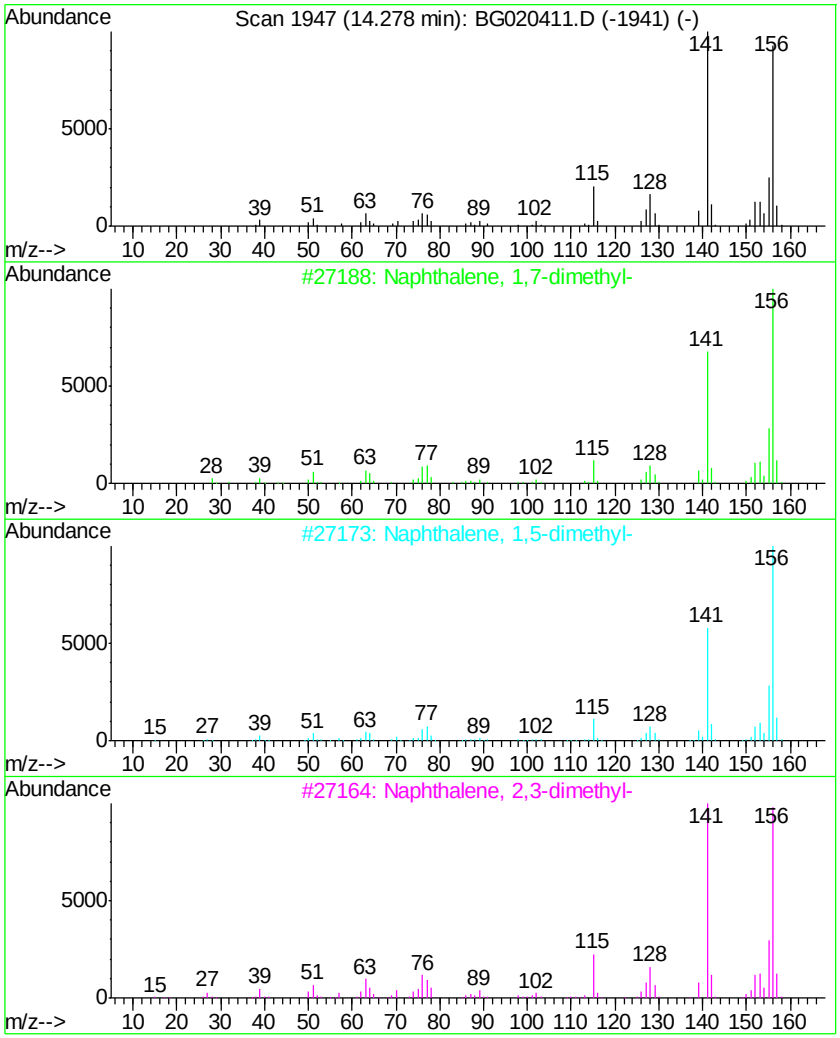
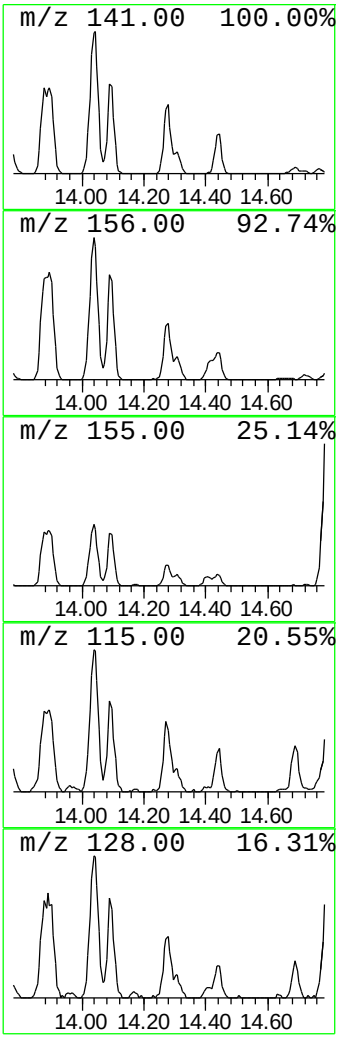
Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	16.23 ng/ul	186166	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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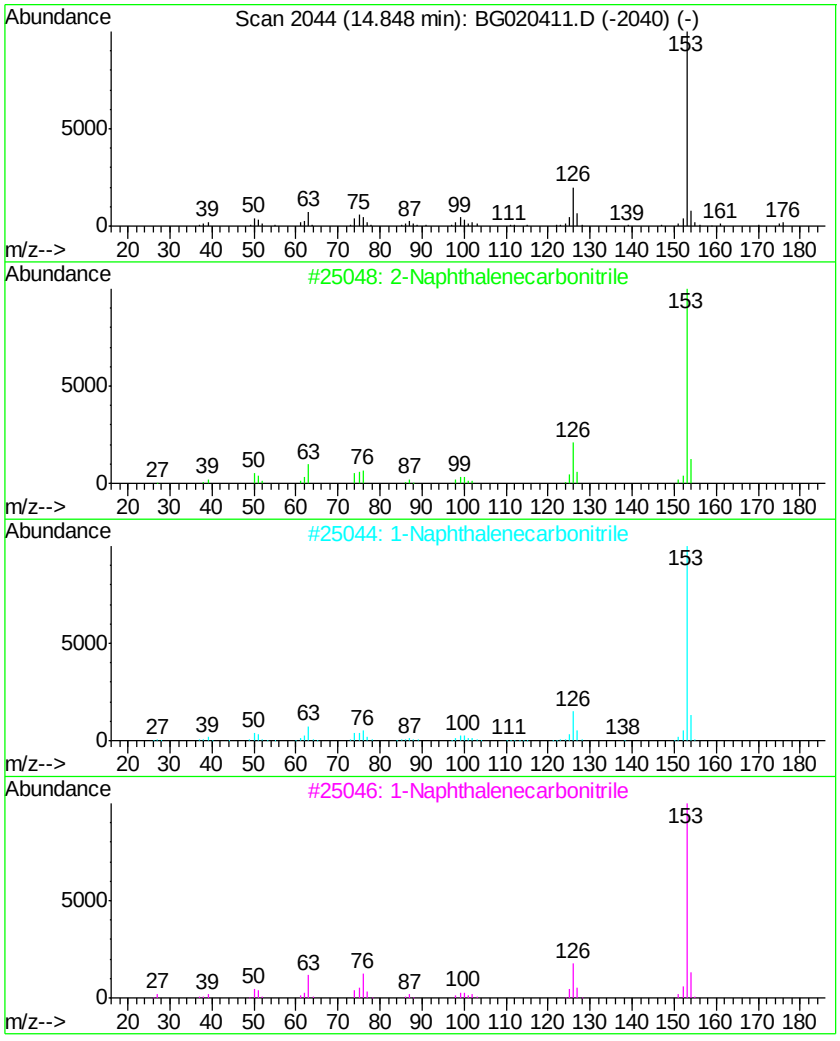
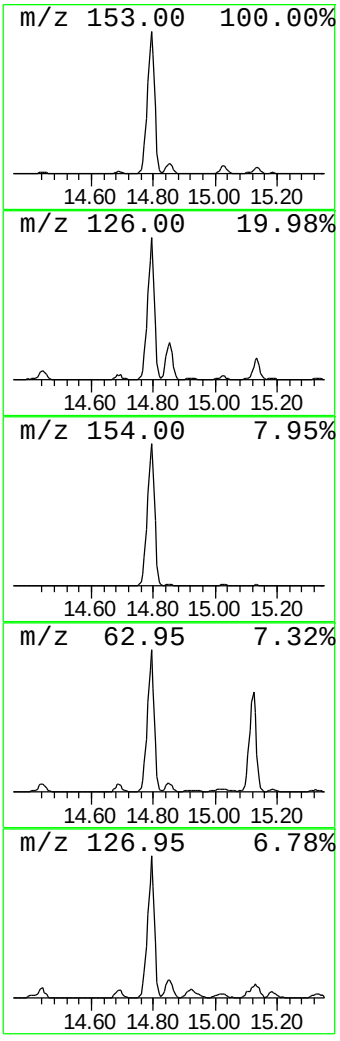
Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	13.37 ng/ul	153389	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	80
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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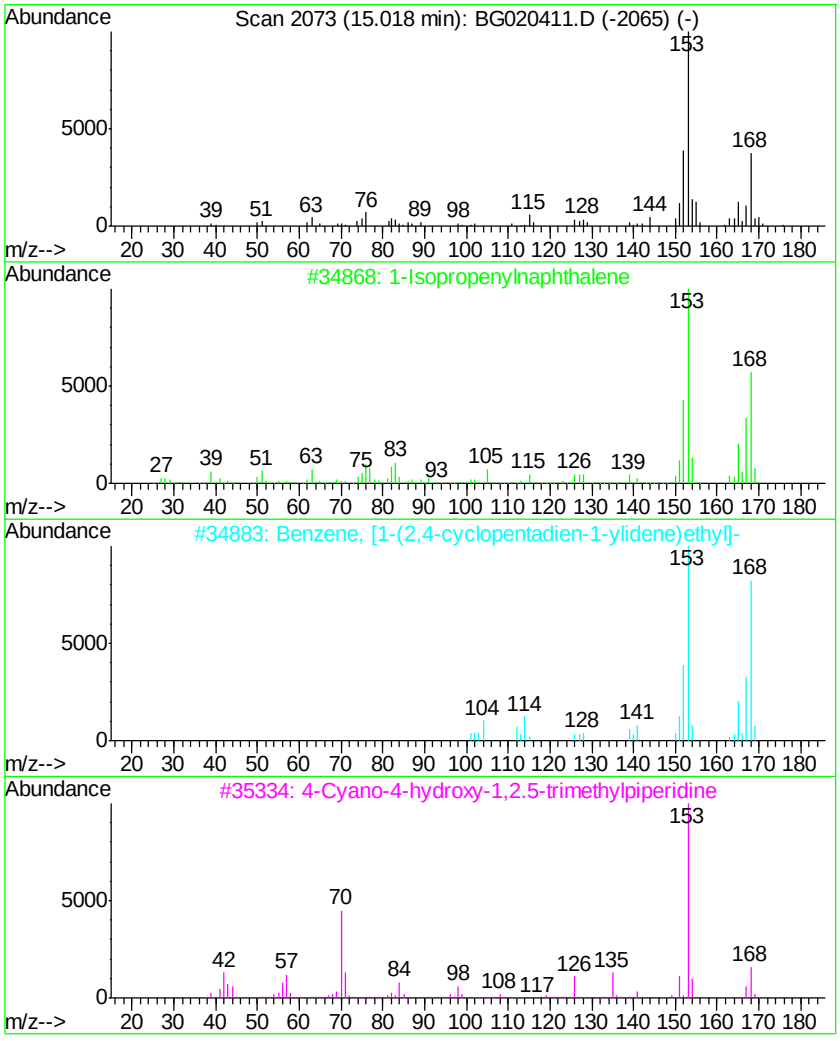
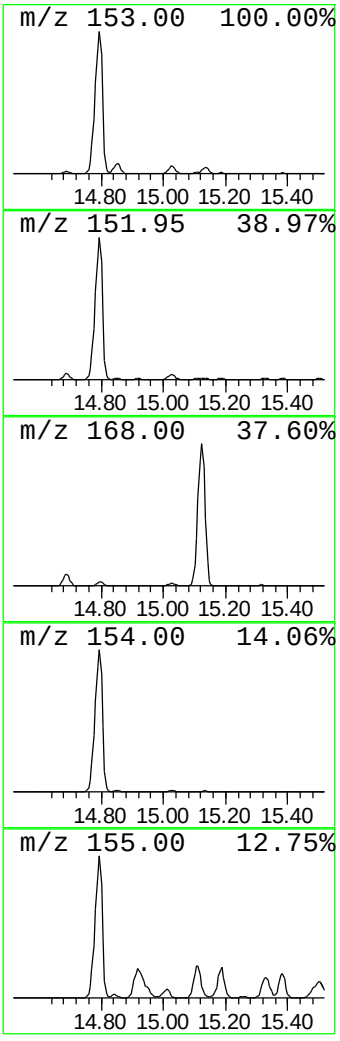
Peak Number 9 1-Isopropenylnaphthalene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	17.17 ng/ul	197026	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	4-Cyano-4-hydroxy-1,2.5-trimethy...	168	C9H16N2O	051871-79-5	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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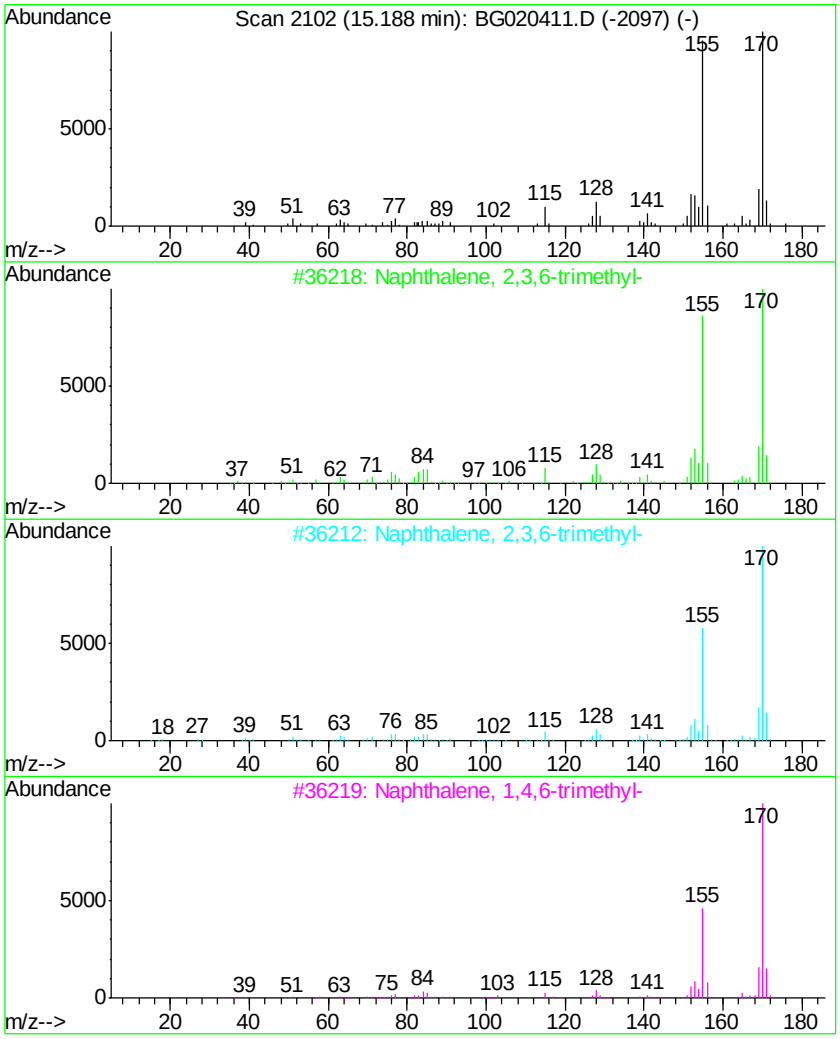
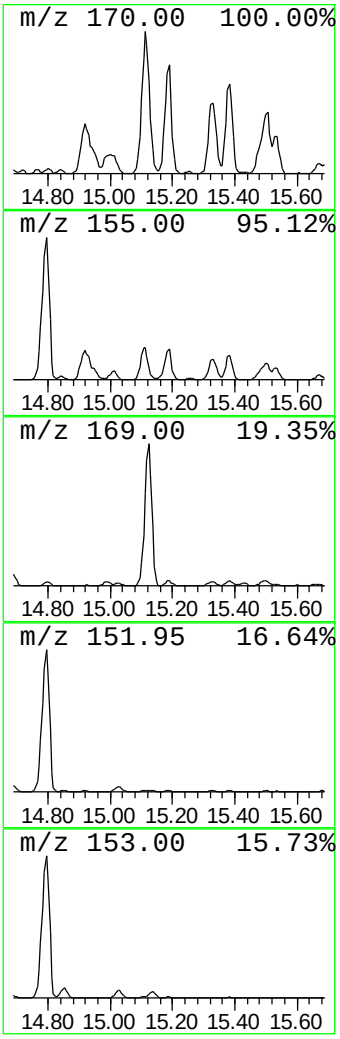
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	10.15 ng/ul	116387	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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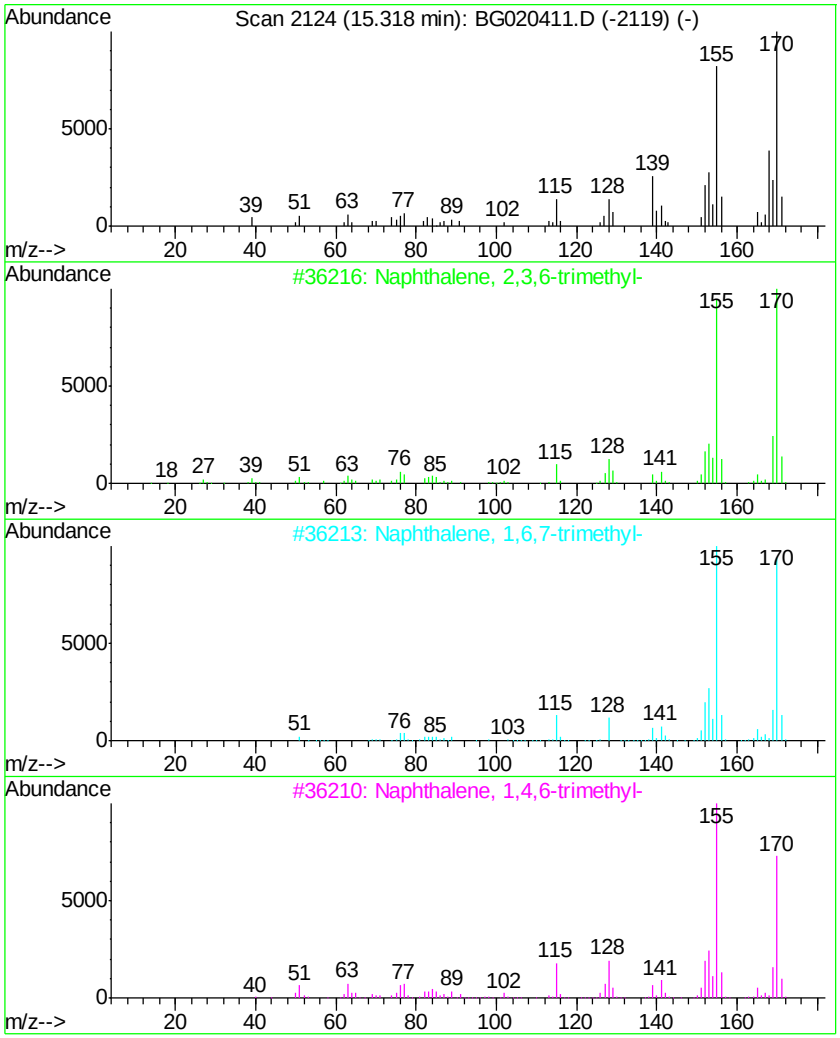
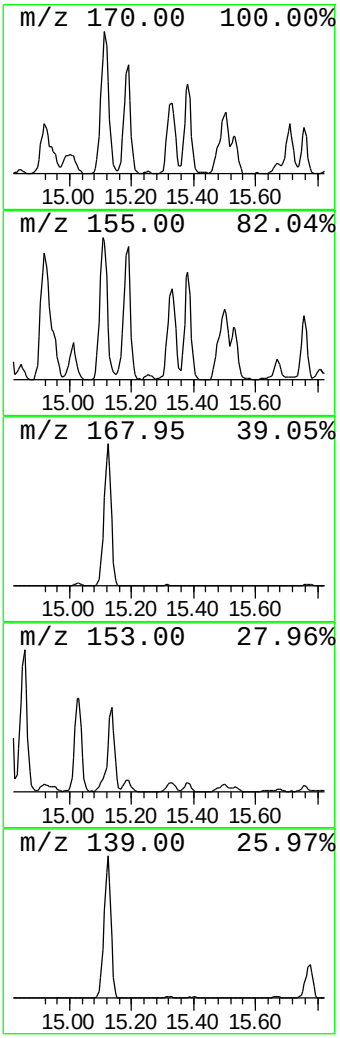
Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	8.53 ng/ul	97817	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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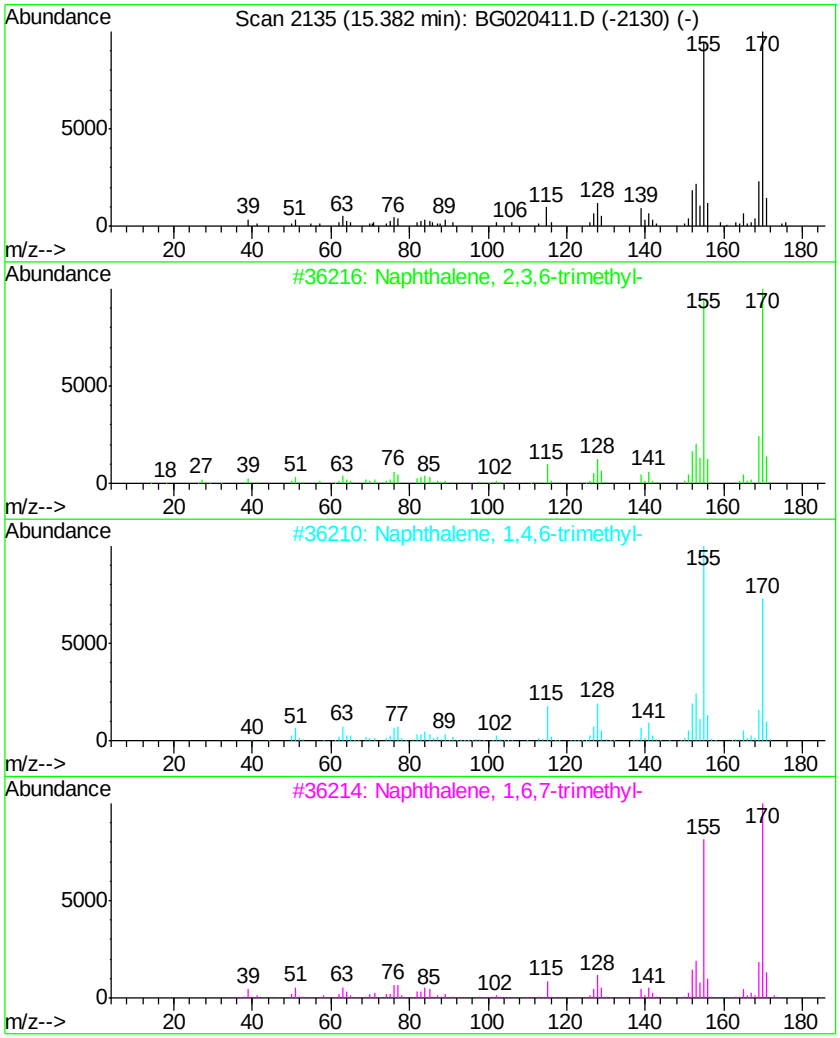
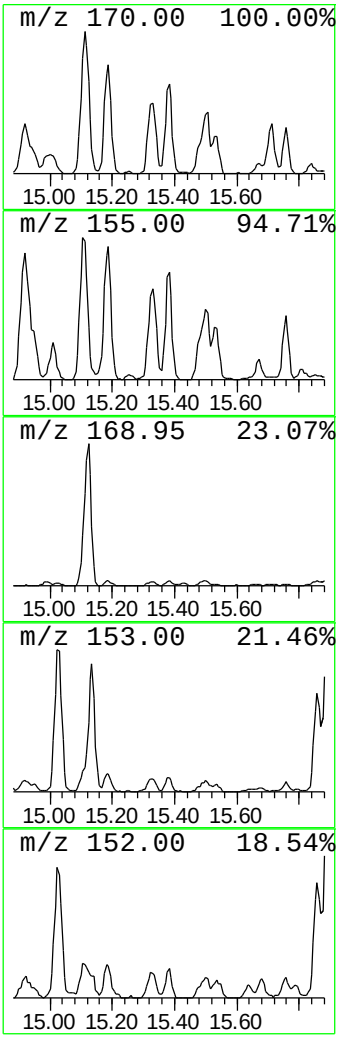
Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	7.45 ng/ul	85422	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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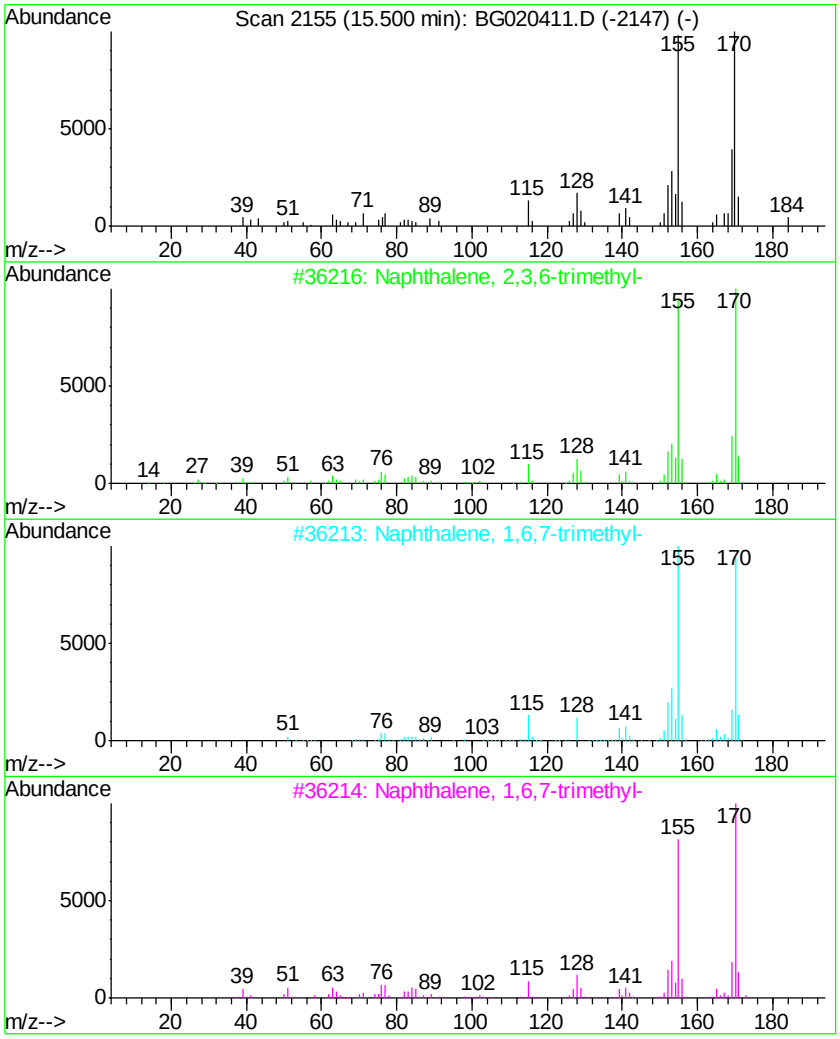
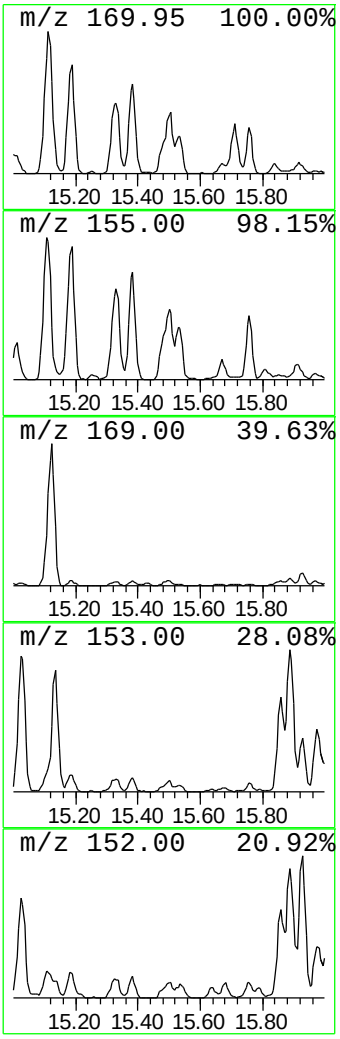
Peak Number 13 Naphthalene, 1,4,5-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	8.35 ng/ul	95810	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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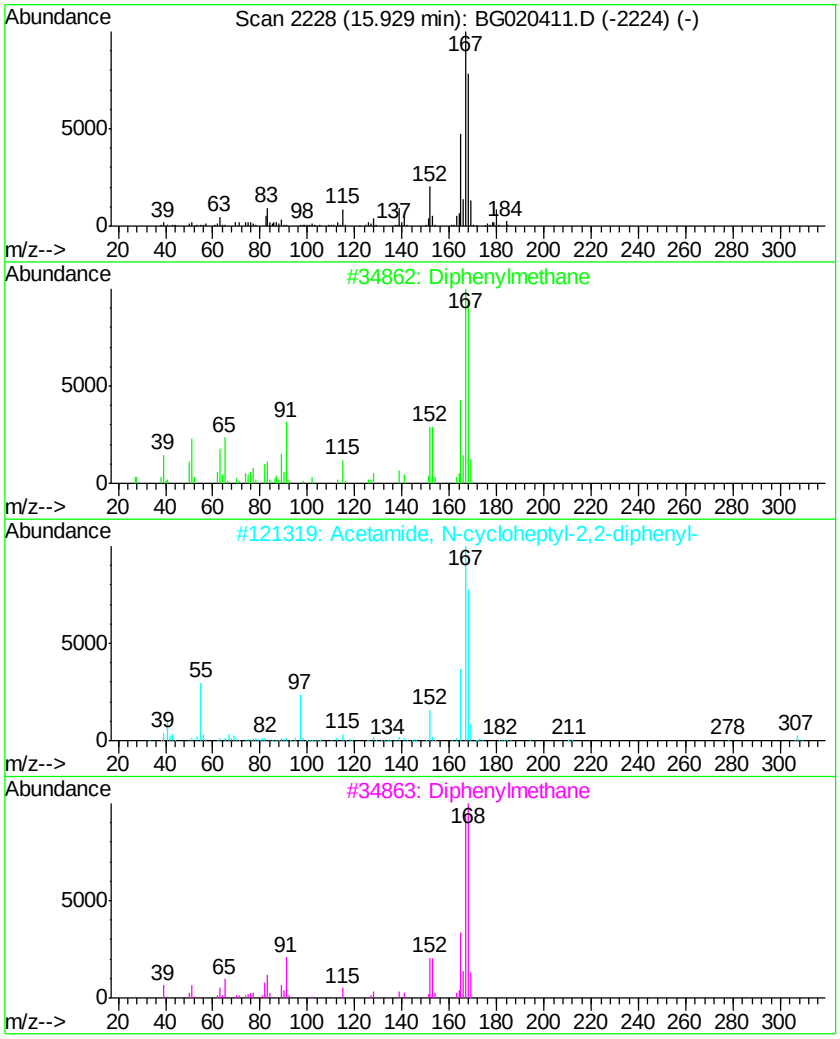
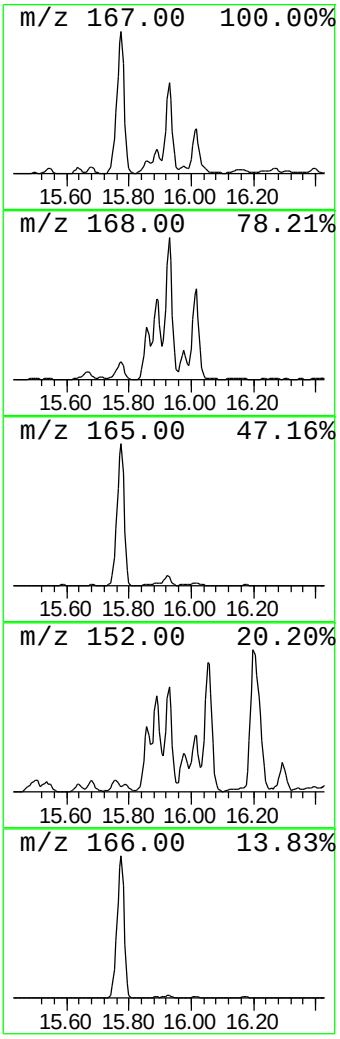
Peak Number 15 Diphenylmethane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	43.56 ng/ul	499716	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	74
2	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	72
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Diphenylmethane	168	C13H12	000101-81-5	59
5	Diphenylmethane	168	C13H12	000101-81-5	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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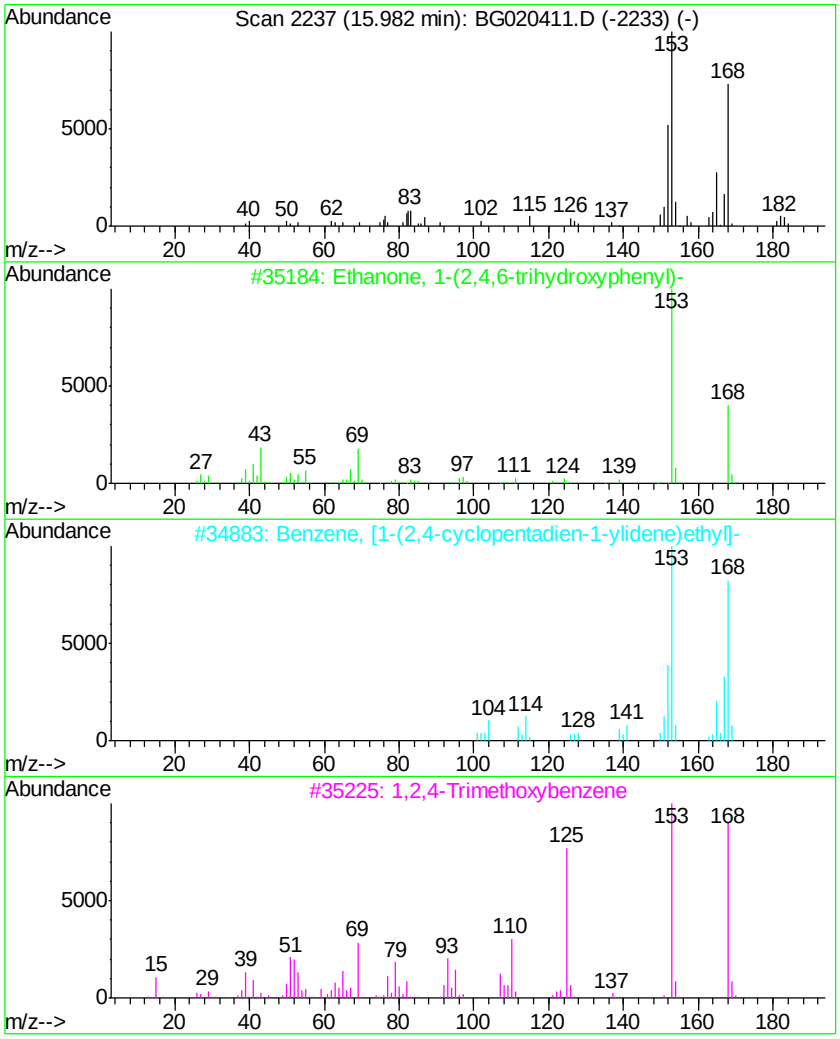
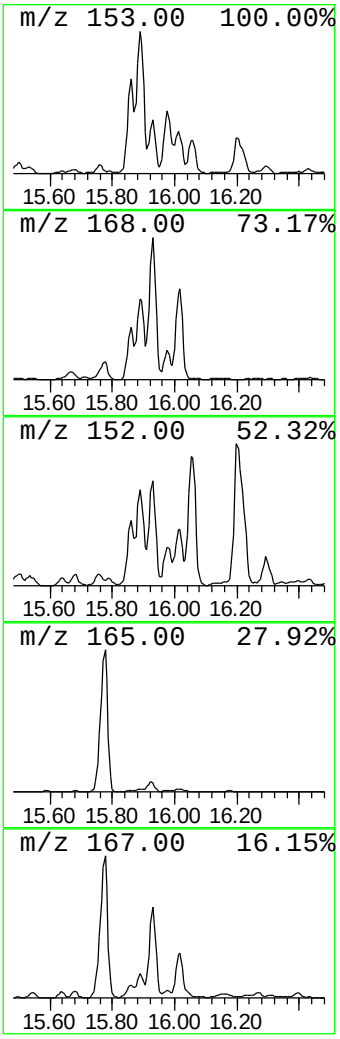
Peak Number 16 Ethanone, 1-(2,4,6-trihydro... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	10.24 ng/ul	117461	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
3	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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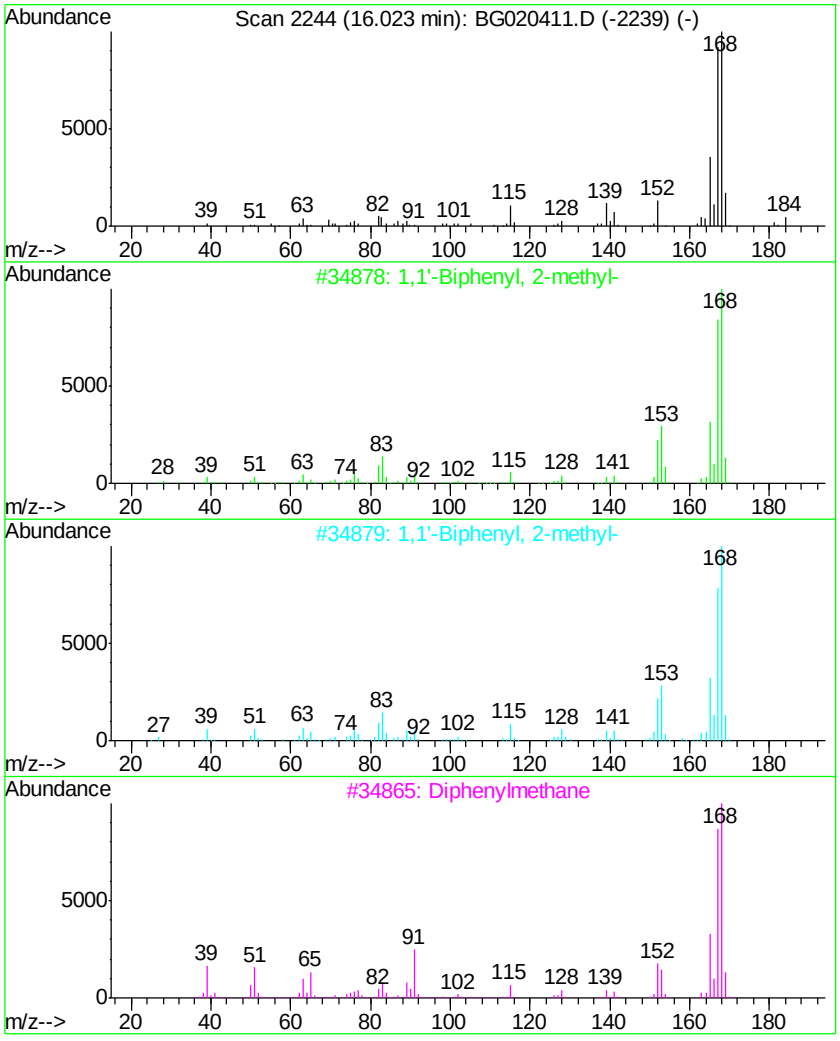
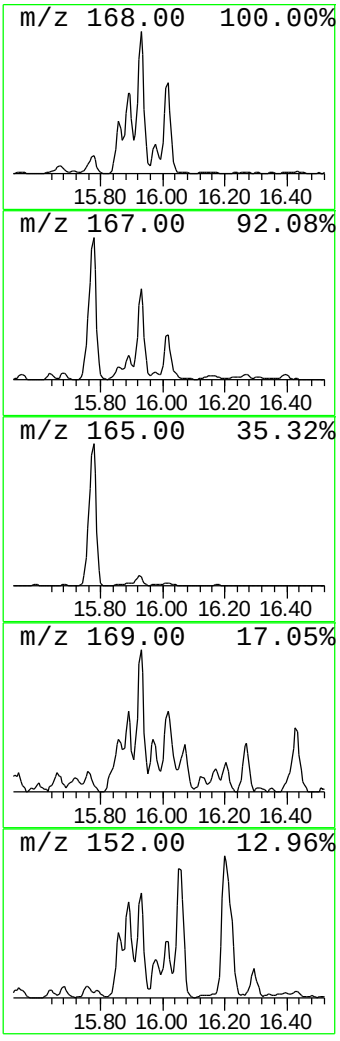
Peak Number 17 1,1'-Biphenyl, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	19.68 ng/ul	225807	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	Diphenylmethane	168	C13H12	000101-81-5	83
4	Diphenylmethane	168	C13H12	000101-81-5	80
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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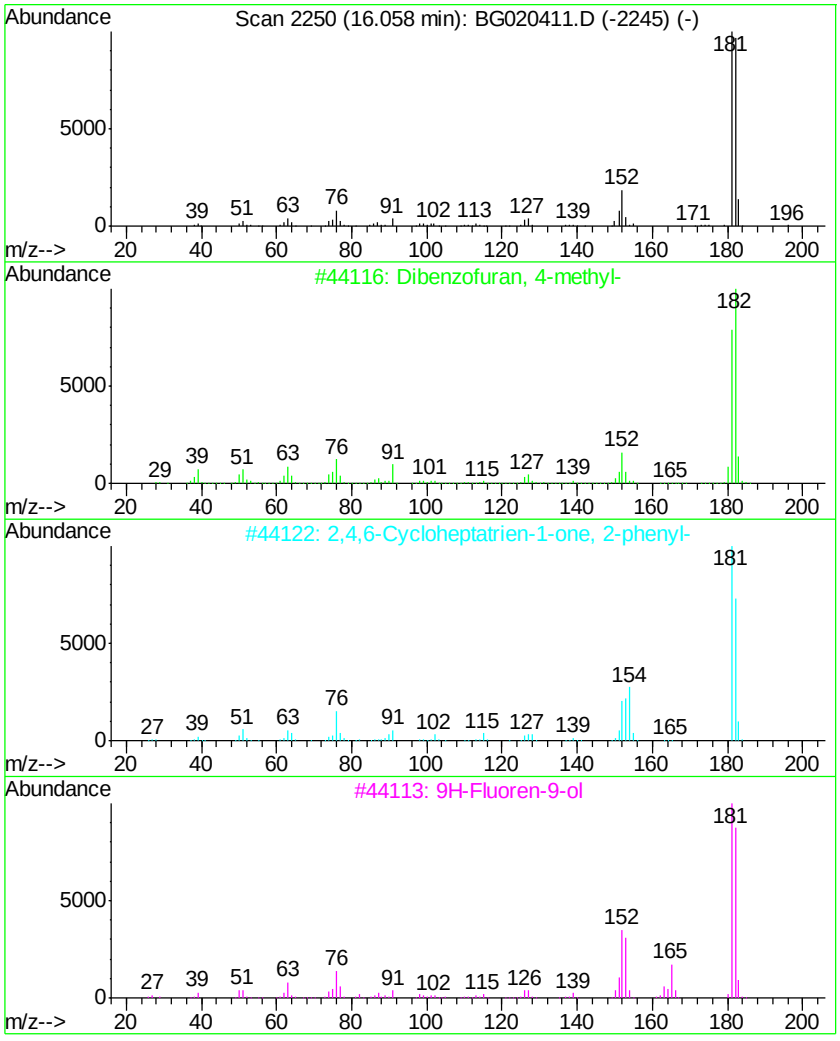
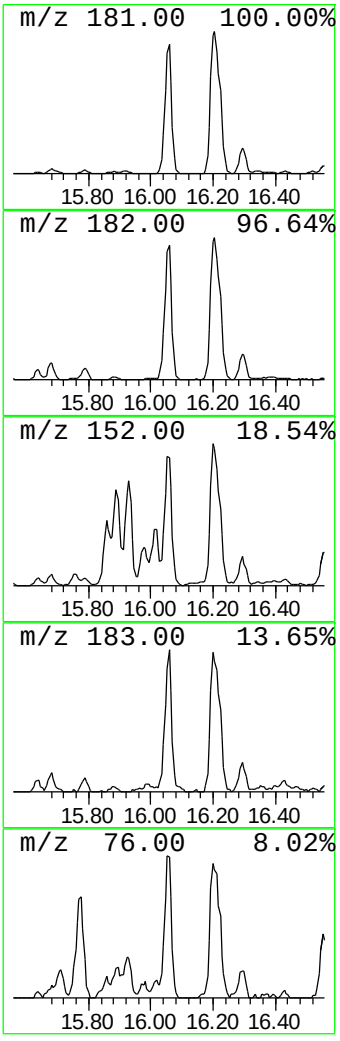
Peak Number 18 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	44.86 ng/ul	514611	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

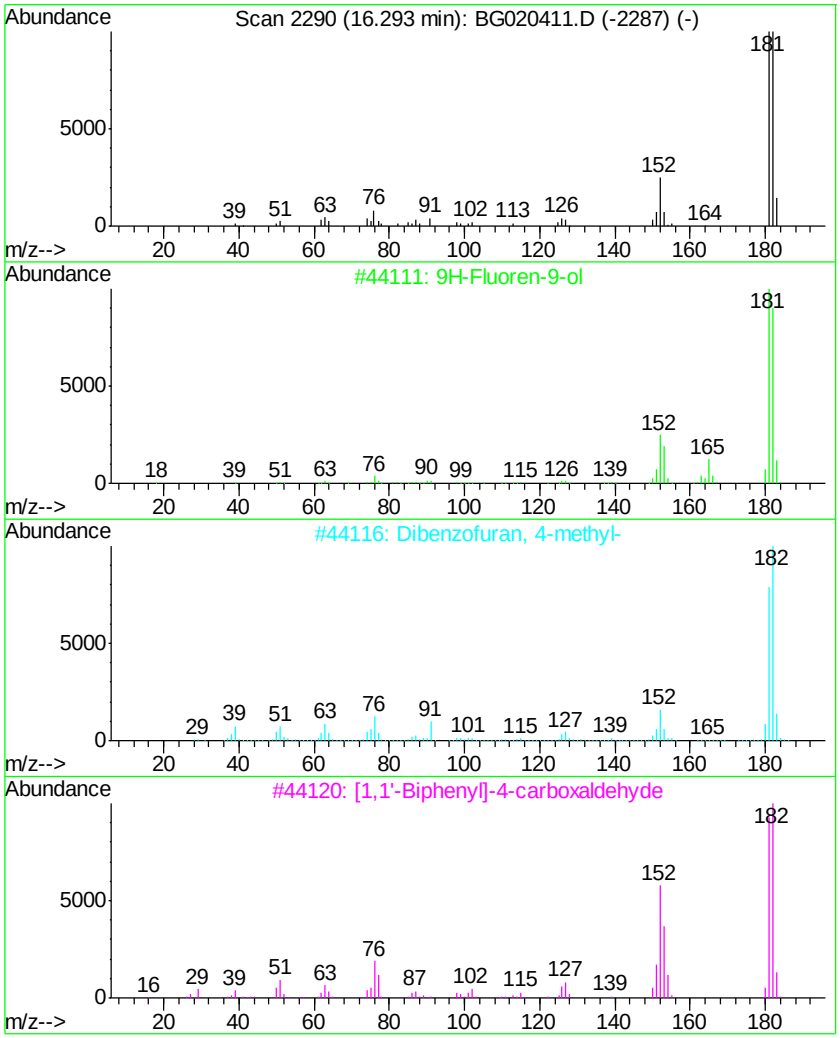
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

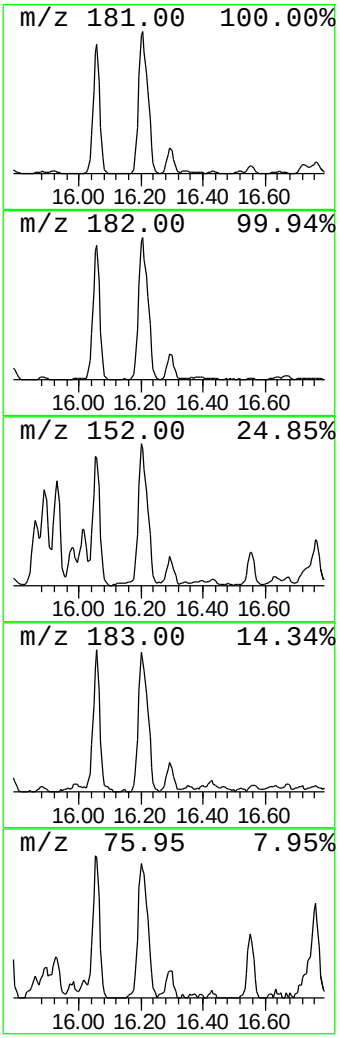
****

Peak Number 20 9H-Fluoren-9-ol Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	6.35 ng/ul	89066	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

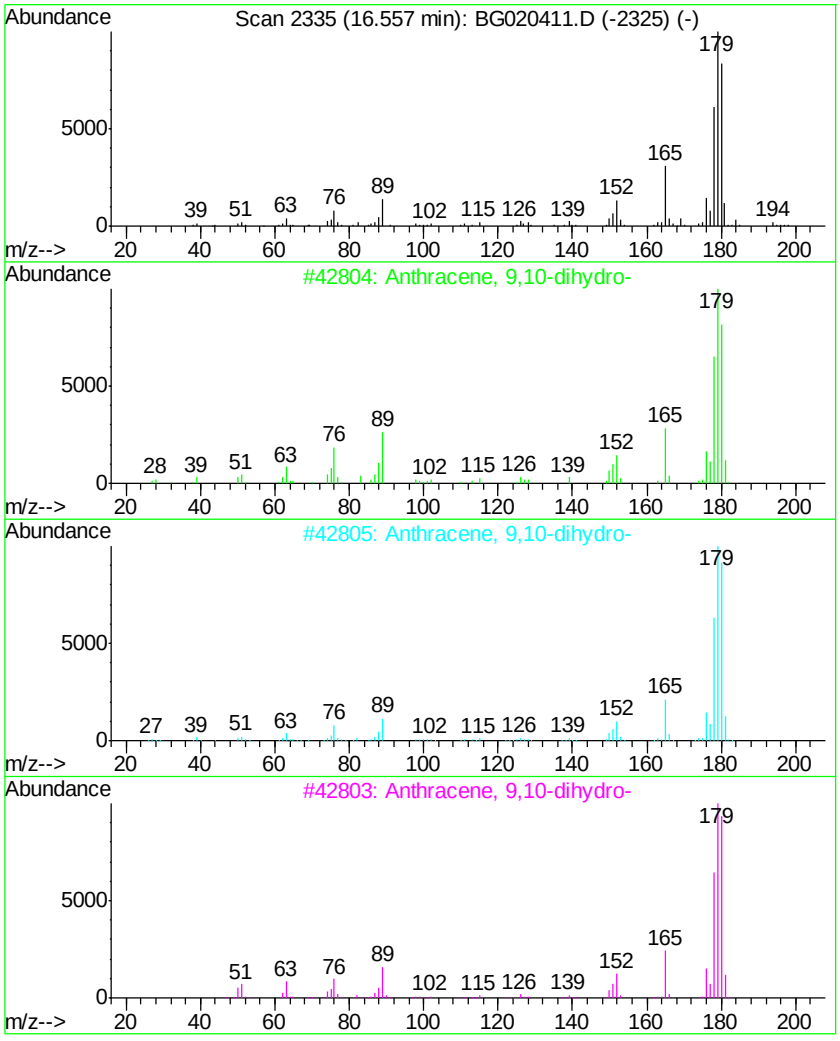
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

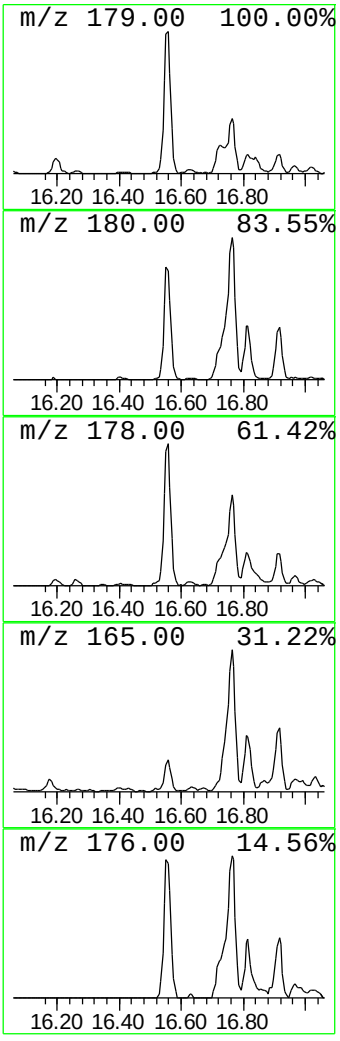
****

Peak Number 21 Anthracene, 9,10-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	20.72 ng/ul	290735	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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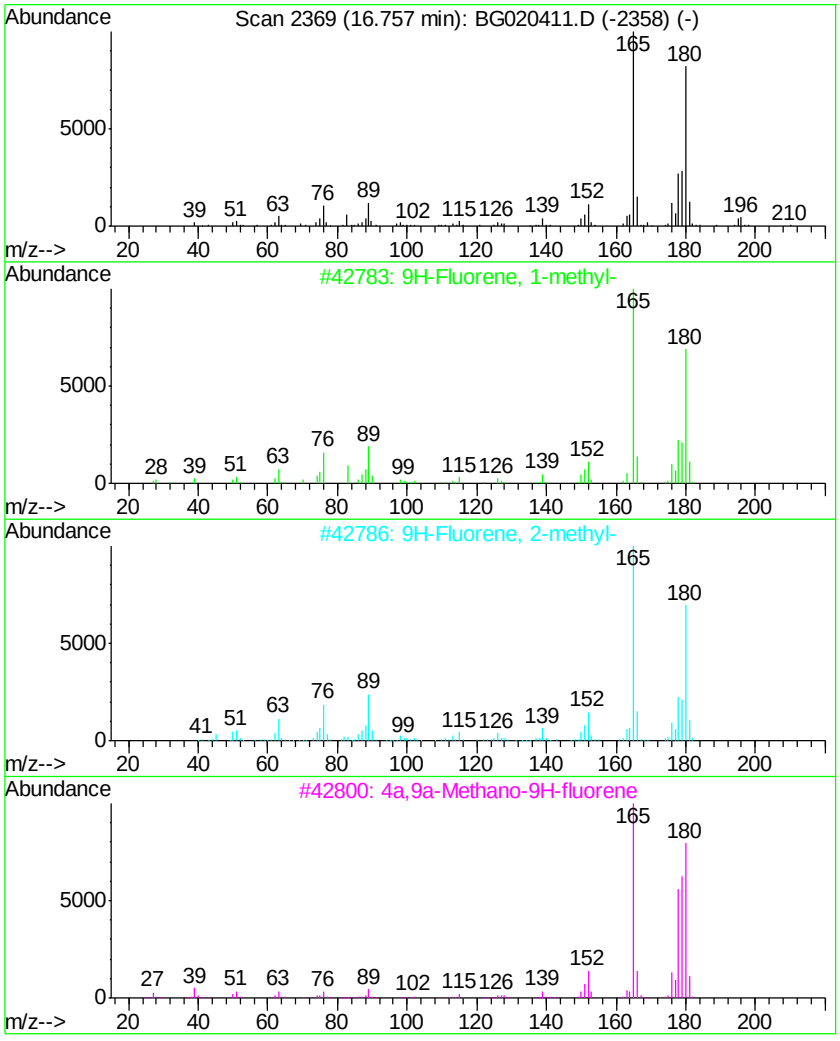
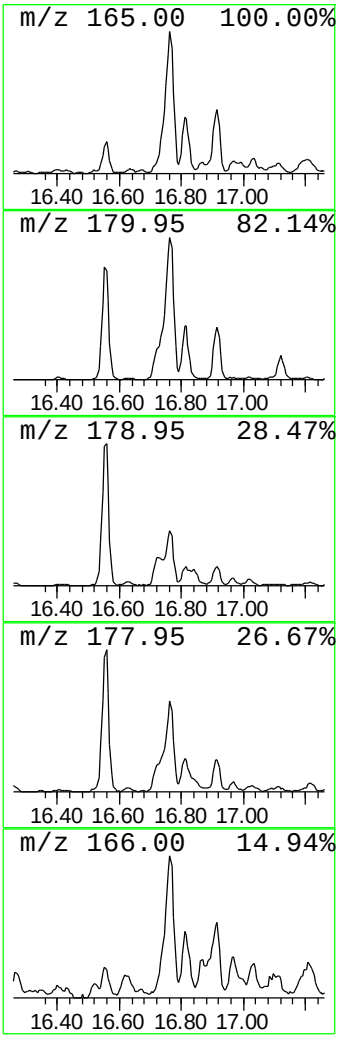
Peak Number 22 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	41.10 ng/ul	576602	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

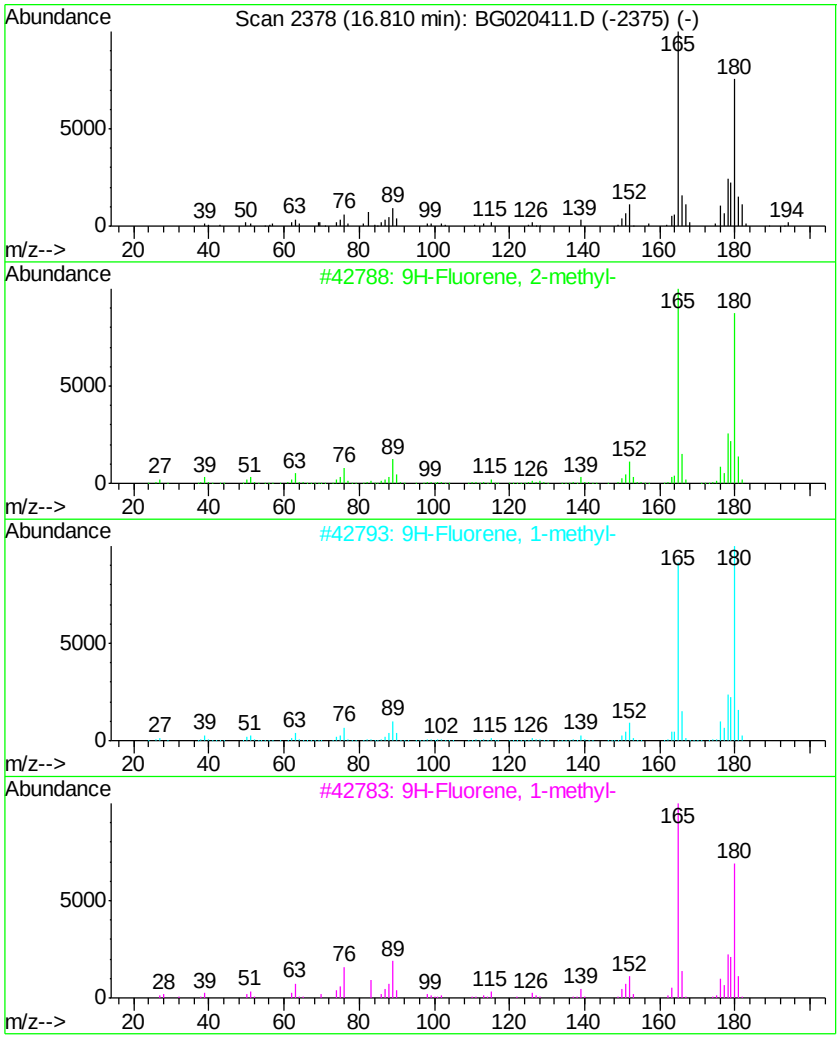
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

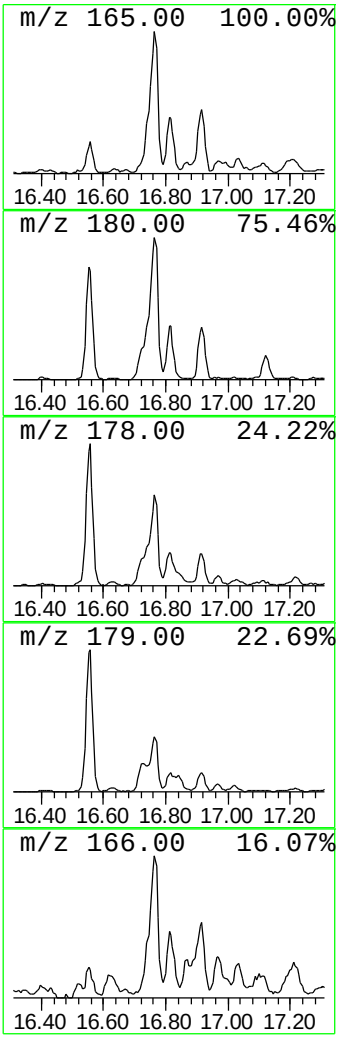
****

Peak Number 23 9H-Fluorene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	12.74 ng/ul	178765	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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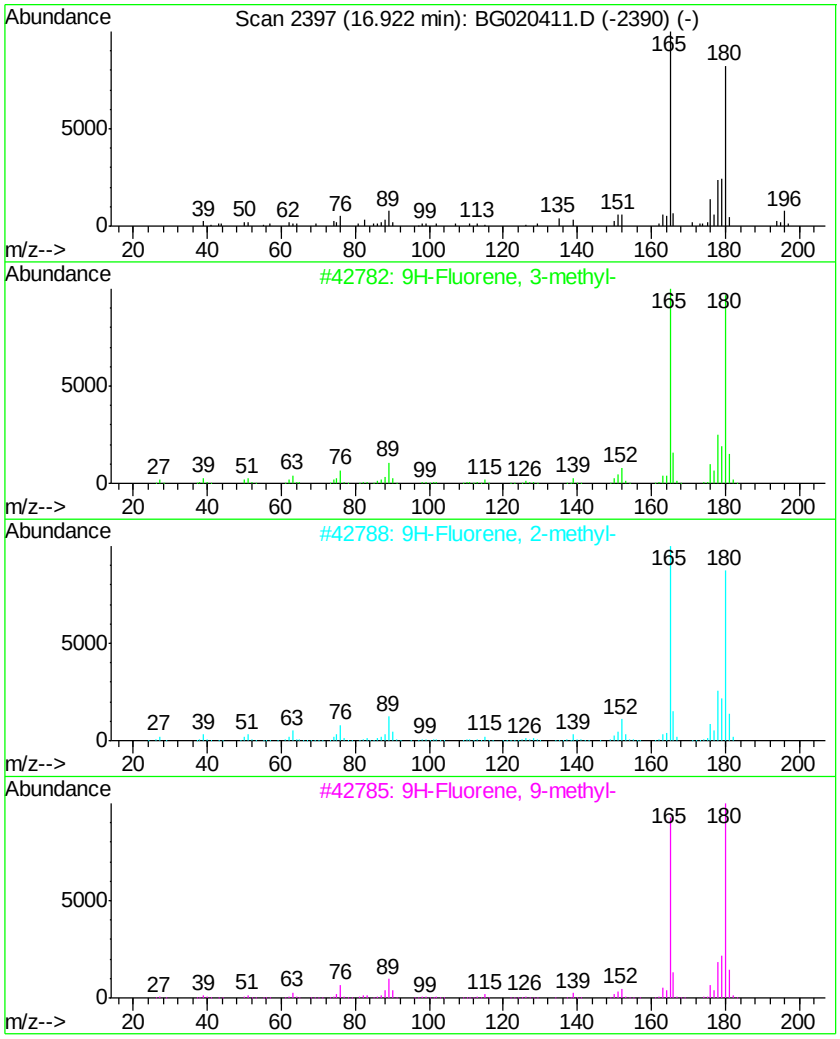
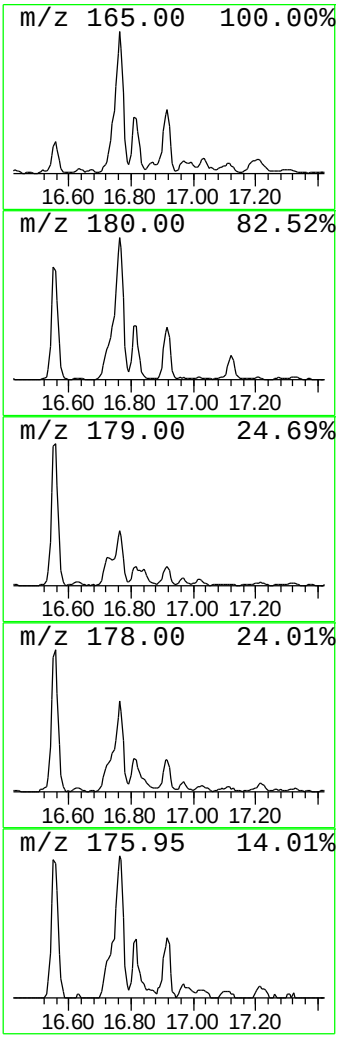
Peak Number 24 9H-Fluorene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	13.34 ng/ul	187204	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

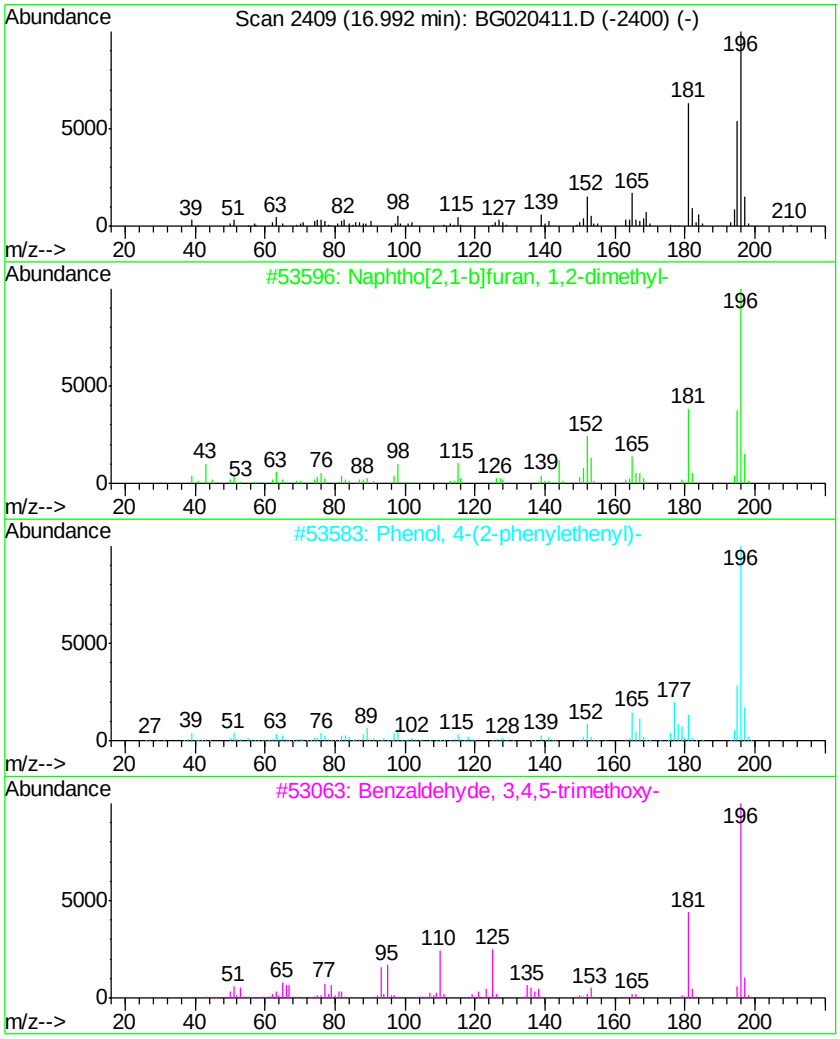
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

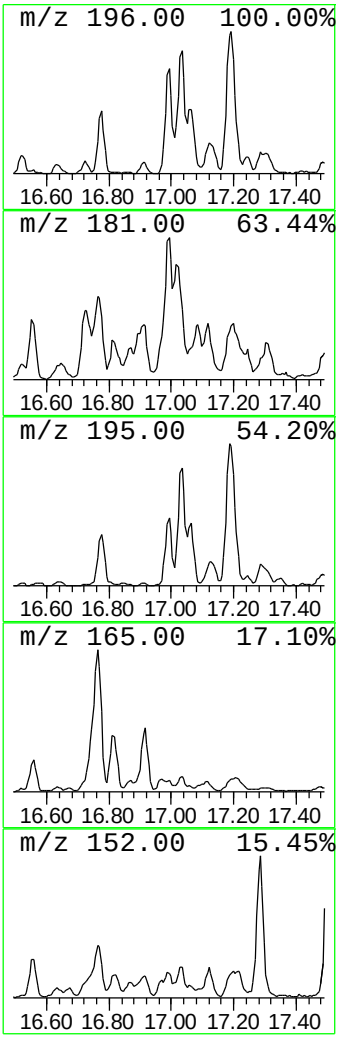
****

Peak Number 25 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	15.13 ng/ul	212267	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	86
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	58
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	58
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

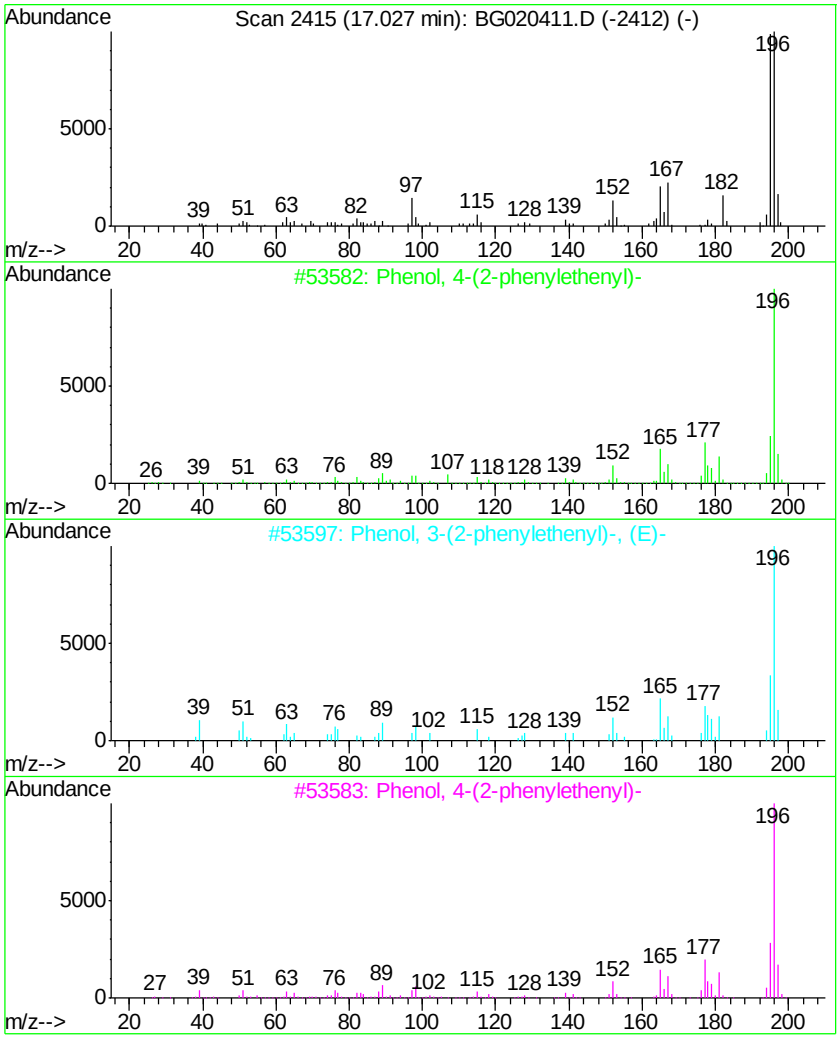
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

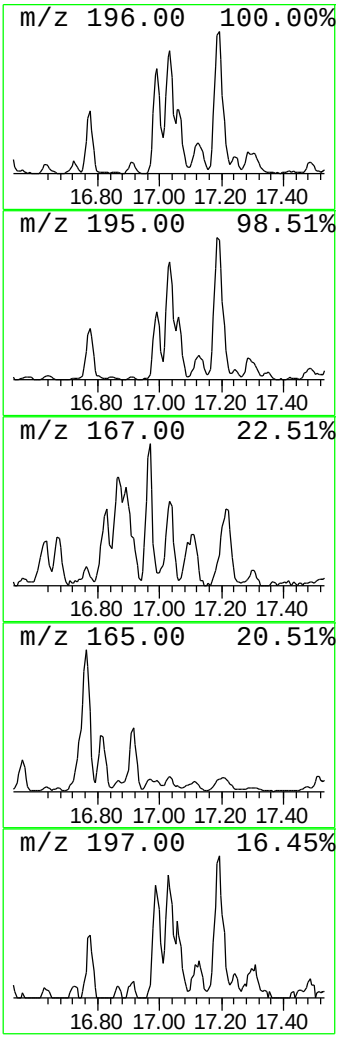
****

Peak Number 26 Phenol, 4-(2-phenylethenyl)- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	12.63 ng/ul	177175	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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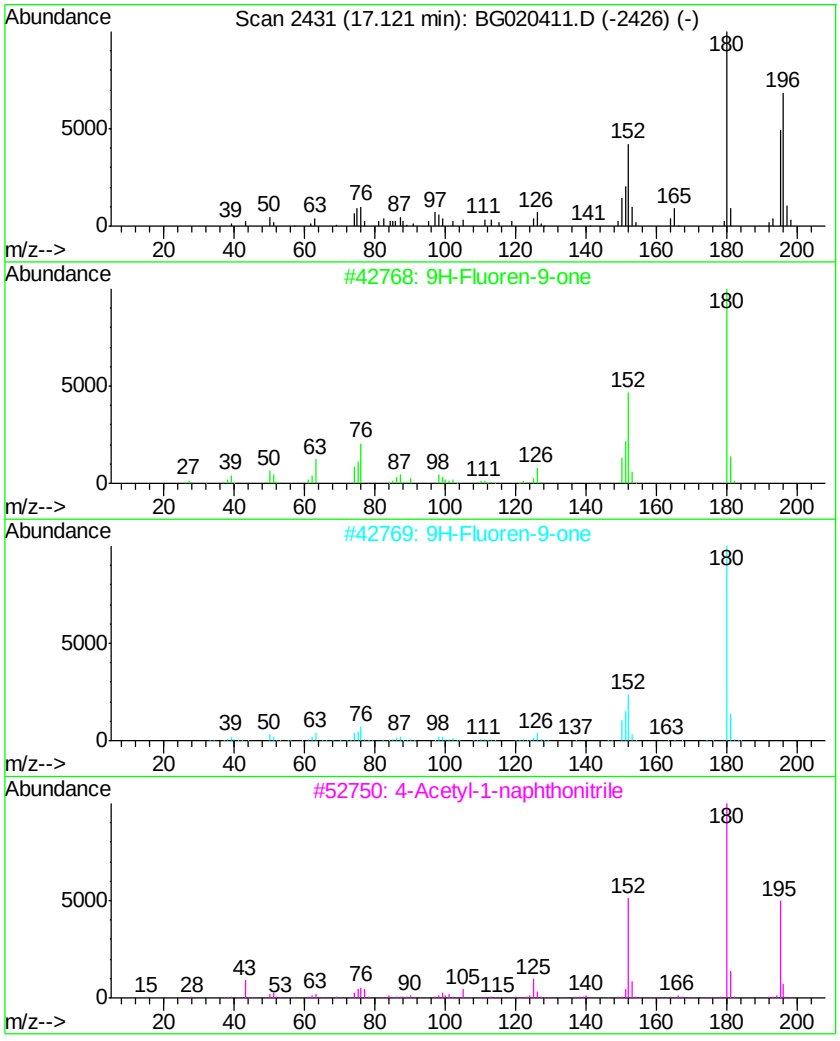
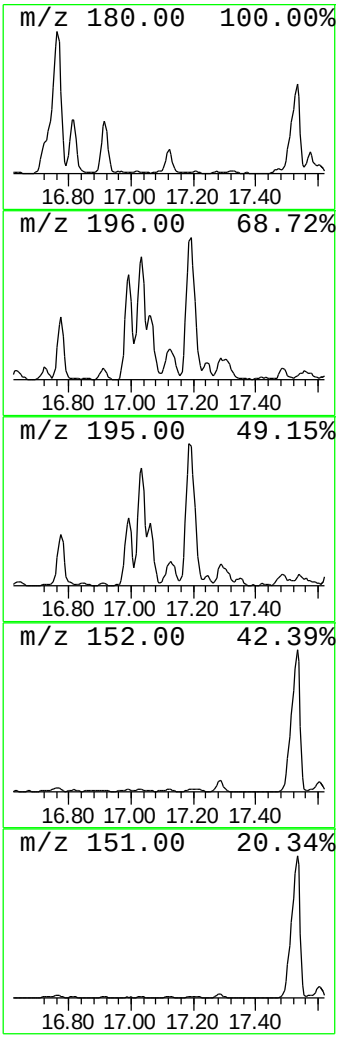
Peak Number 27 9H-Fluoren-9-one Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	7.02 ng/ul	98435	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
3	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	47
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	47
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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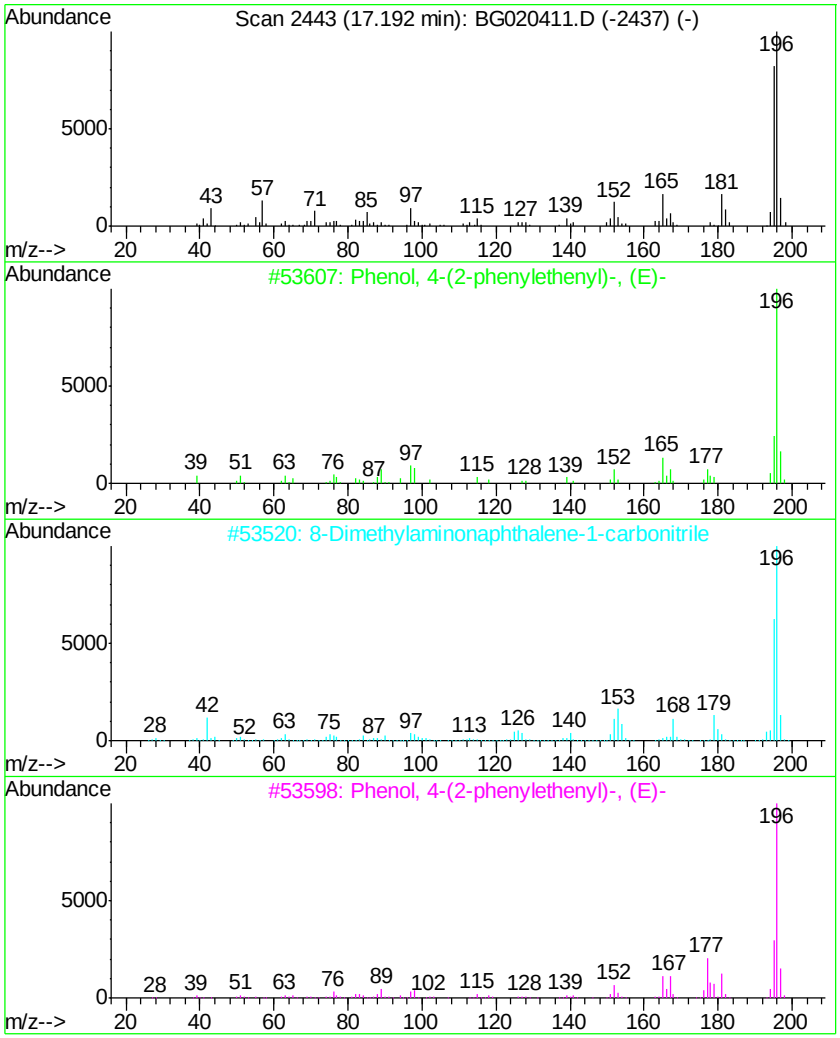
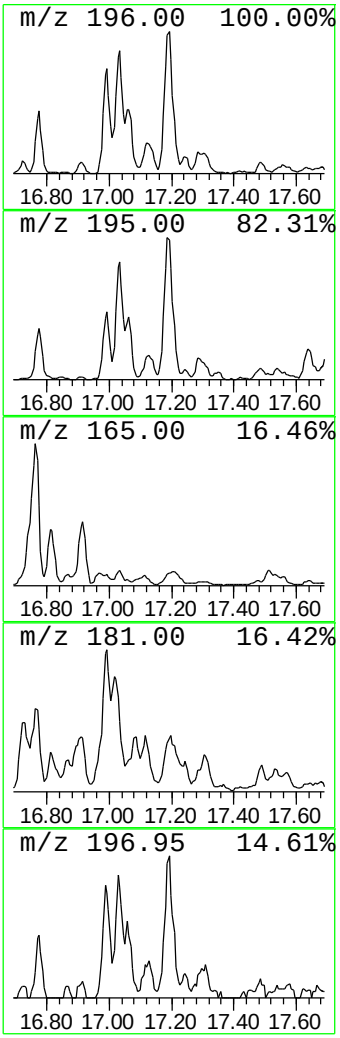
Peak Number 28 Phenol, 4-(2-phenylethenyl)... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	21.76 ng/ul	305229	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	56
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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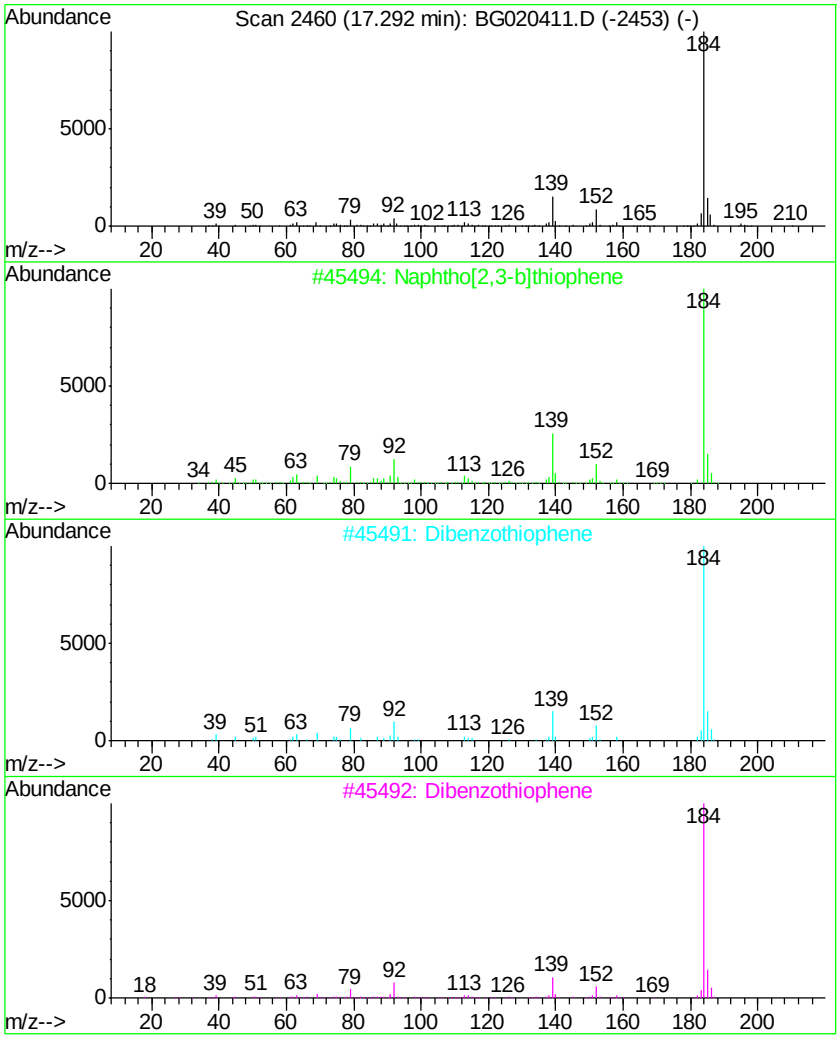
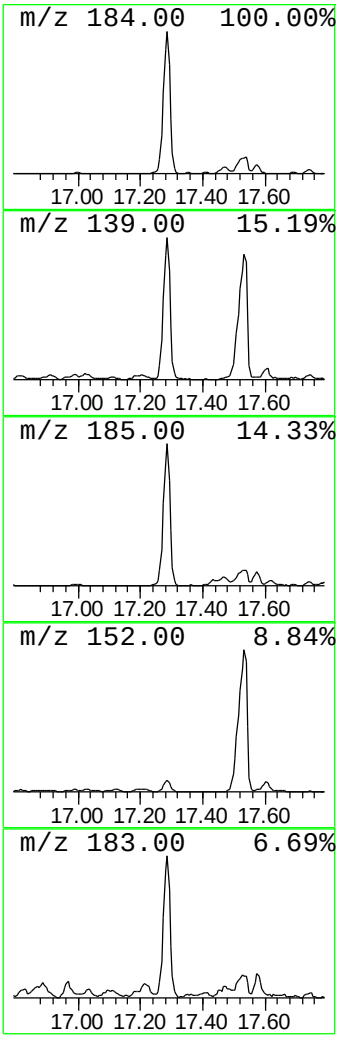
Peak Number 29 Naphtho[2,3-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	54.29 ng/ul	761629	Phenanthrene-d10	17.47

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	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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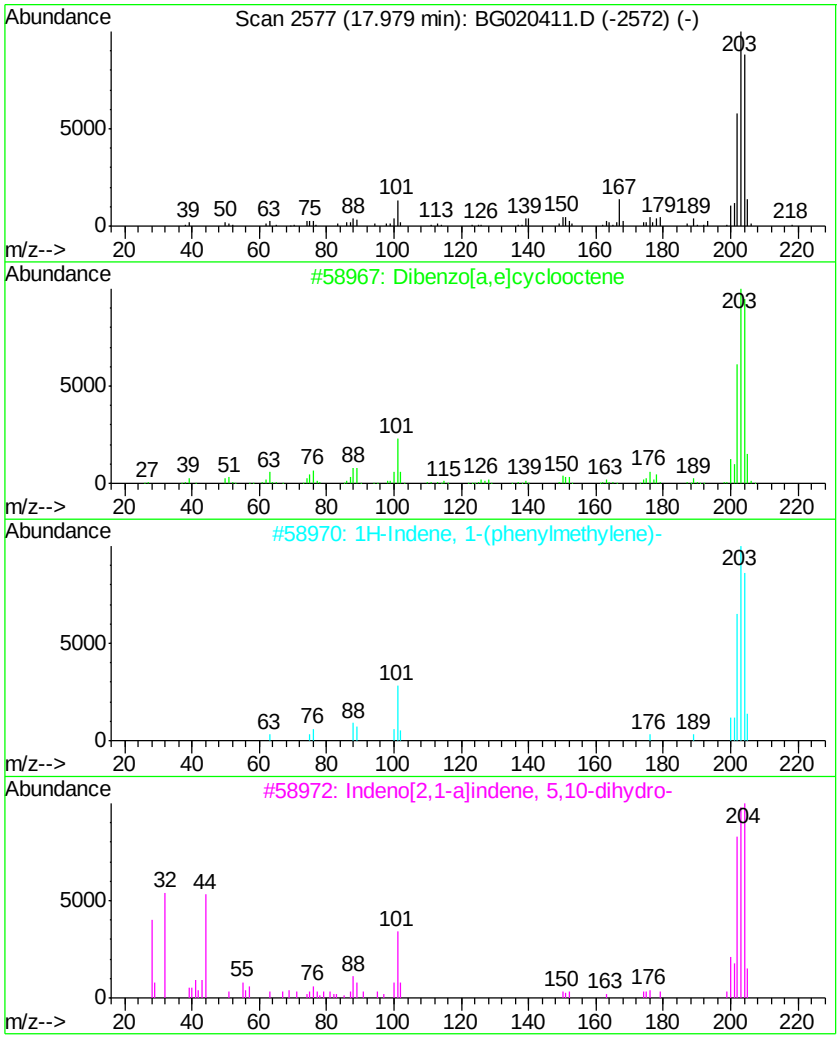
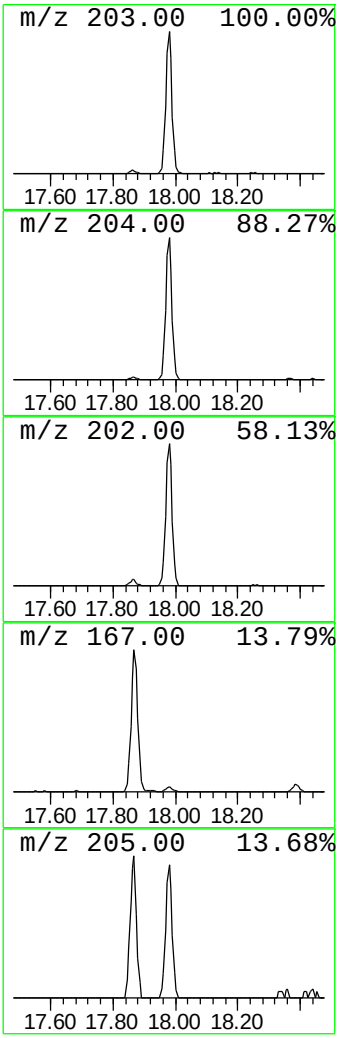
Peak Number 30 Dibenzo[a,e]cyclooctene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	13.66 ng/ul	191667	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	70
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	68
5	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

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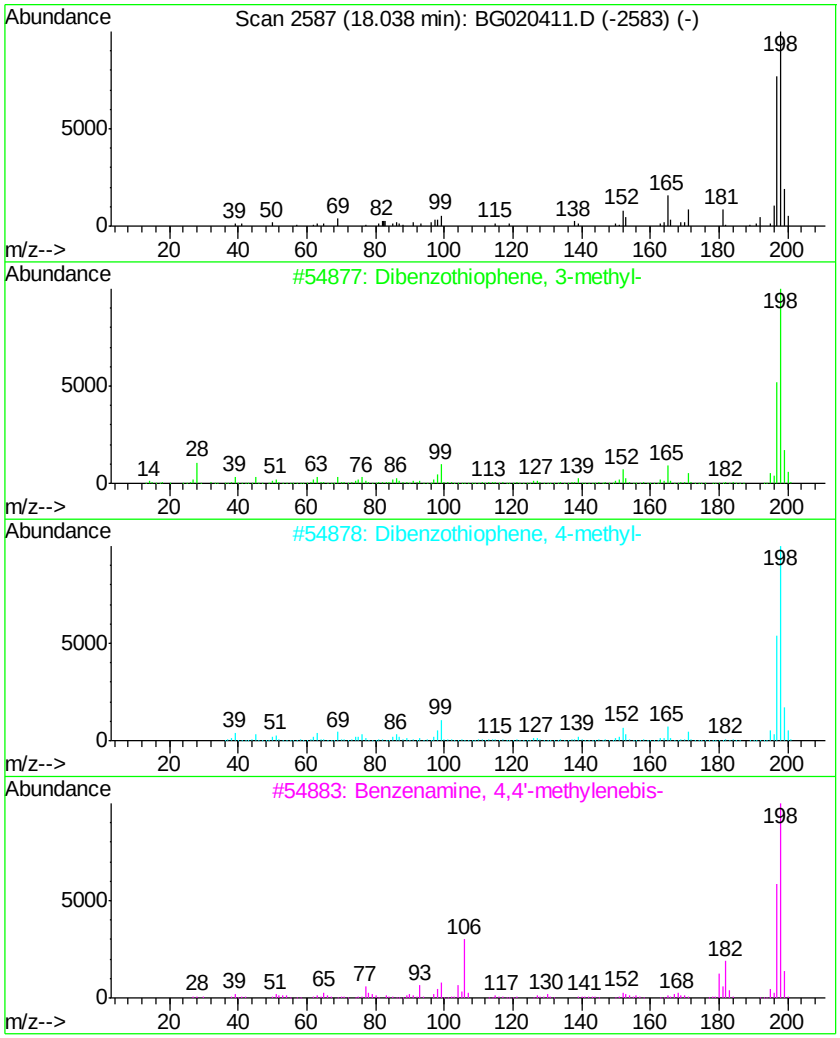
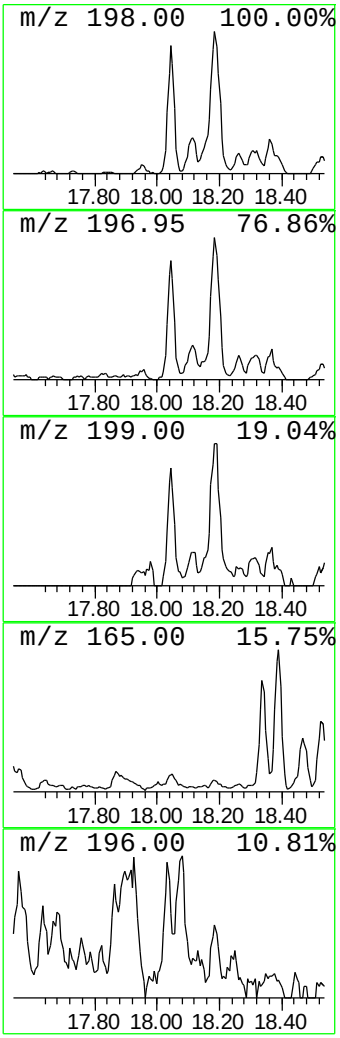
Peak Number 31 Dibenzothiophene, 3-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	8.39 ng/ul	117742	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50ME

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indene	8.63	24.6	ng/ul	105210	1	8.08	85410	20.0
Naphthalene, 1-me...	12.77	124.2	ng/ul	967764	2	10.91	155893	20.0
Naphthalene, 1-et...	13.75	25.2	ng/ul	288685	3	14.72	229440	20.0
Naphthalene, 2,7-...	13.90	46.8	ng/ul	536954	3	14.72	229440	20.0
Naphthalene, 2,3-...	14.04	44.9	ng/ul	514528	3	14.72	229440	20.0
Naphthalene, 1,7-...	14.28	16.2	ng/ul	186166	3	14.72	229440	20.0
2-Naphthalenecarb...	14.85	13.4	ng/ul	153389	3	14.72	229440	20.0
1-Isopropenylnaph...	15.02	17.2	ng/ul	197026	3	14.72	229440	20.0
Naphthalene, 2,3,...	15.19	10.2	ng/ul	116387	3	14.72	229440	20.0
Naphthalene, 1,6,...	15.32	8.5	ng/ul	97817	3	14.72	229440	20.0
Naphthalene, 1,4,...	15.38	7.5	ng/ul	85422	3	14.72	229440	20.0
Naphthalene, 1,4,...	15.50	8.3	ng/ul	95810	3	14.72	229440	20.0
Diphenylmethane	15.93	43.6	ng/ul	499716	3	14.72	229440	20.0
Ethanone, 1-(2,4,...	15.98	10.2	ng/ul	117461	3	14.72	229440	20.0
1,1'-Biphenyl, 2-...	16.02	19.7	ng/ul	225807	3	14.72	229440	20.0
Dibenzofuran, 4-m...	16.06	44.9	ng/ul	514611	3	14.72	229440	20.0
9H-Fluoren-9-ol	16.29	6.3	ng/ul	89066	4	17.47	280580	20.0
Anthracene, 9,10-...	16.56	20.7	ng/ul	290735	4	17.47	280580	20.0
9H-Fluorene, 1-me...	16.76	41.1	ng/ul	576602	4	17.47	280580	20.0
9H-Fluorene, 2-me...	16.81	12.7	ng/ul	178765	4	17.47	280580	20.0
9H-Fluorene, 3-me...	16.92	13.3	ng/ul	187204	4	17.47	280580	20.0
Naphtho[2,1-b]fur...	16.99	15.1	ng/ul	212267	4	17.47	280580	20.0
Phenol, 4-(2-phen...	17.03	12.6	ng/ul	177175	4	17.47	280580	20.0
9H-Fluoren-9-one	17.12	7.0	ng/ul	98435	4	17.47	280580	20.0
Phenol, 4-(2-phen...	17.19	21.8	ng/ul	305229	4	17.47	280580	20.0
Naphtho[2,3-b]thi...	17.29	54.3	ng/ul	761629	4	17.47	280580	20.0
Dibenzo[a,e]cyclo...	17.98	13.7	ng/ul	191667	4	17.47	280580	20.0
Dibenzothiophene,...	18.04	8.4	ng/ul	117742	4	17.47	280580	20.0