LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.217	737	745	752	rBV	20136	36802	3.88%	0.299%
2	7.382	766	773	780	rBV	18005	30111	3.17%	0.245%
3	7.587	802	808	816	rBV	21559	37132	3.91%	0.302%
4	8.057	882	888	896	rBV	69413	119337	12.57%	0.969%
5	8.598	974	980	988	rVB	26987	44897	4.73%	0.365%
6	8.768	1001	1009	1017	rBV2	26761	45752	4.82%	0.372%
7	9.227	1080	1087	1094	rBV	22102	40387	4.25%	0.328%
8	9.955	1206	1211	1219	rVB2	19192	33051	3.48%	0.268%
9	10.296	1260	1269	1276	rBV4	18139	47055	4.95%	0.382%
10	10.366	1276	1281	1286	rBV2	20462	39834	4.19%	0.324%
11	10.496	1298	1303	1312	rBV2	29293	52610	5.54%	0.427%
12	10.878	1361	1368	1373	rVV	112349	205937	21.68%	1.673%
13	10.925	1373	1376	1384	rVB	41213	66075	6.96%	0.537%
14	11.013	1384	1391	1406	rBV3	18331	42710	4.50%	0.347%
15	12.746	1675	1686	1697	rVB	265855	434296	45.73%	3.528%
16	13.527	1811	1819	1827	rBV	58947	90601	9.54%	0.736%
17	13.751	1852	1857	1863	rVB2	11911	20151	2.12%	0.164%
18	13.868	1868	1877	1884	rBV2	76227	190581	20.07%	1.548%
19	14.015	1894	1902	1908	rBV	131753	238946	25.16%	1.941%
20	14.091	1908	1915	1920	rBV	85332	129196	13.60%	1.049%
21	14.138	1920	1923	1930	rVB	29469	45495	4.79%	0.370%
22	14.250	1935	1942	1946	rBV	68556	107258	11.29%	0.871%
23	14.391	1958	1966	1969	rBV	90165	168410	17.73%	1.368%
24	14.661	2006	2012	2013	rBV	33663	42299	4.45%	0.344%
25	14.697	2013	2018	2024	rVV2	211130	349684	36.82%	2.841%
26	14.761	2024	2029	2036	rVB	167095	268347	28.26%	2.180%
27	14.902	2046	2053	2062	rBV4	28586	66124	6.96%	0.537%
28	15.084	2074	2084	2092	rBV2	47461	91302	9.61%	0.742%
29	15.161	2092	2097	2105	rVB2	34171	50743	5.34%	0.412%
30	15.302	2113	2121	2126	rBV6	32045	71689	7.55%	0.582%
31	15.361	2126	2131	2134	rVB3	23816	32667	3.44%	0.265%
32	15.478	2142	2151	2154	rBV3	22914	51062	5.38%	0.415%
33	15.513	2154	2157	2161	rVB3	16617	22956	2.42%	0.186%
34	15.566	2161	2166	2170	rBV	35590	51598	5.43%	0.419%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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

35	15.684	2182	2186	2191	rVV	141497	200065	21.07%	1.625%
36	15.742	2191	2196	2204	rVB	153100	257465	27.11%	2.091%
37	15.813	2204	2208	2213	rBV3	17228	29839	3.14%	0.242%
38	15.948	2228	2231	2236	rVB2	14785	22641	2.38%	0.184%
39	16.024	2241	2244	2250	rVB3	14039	25140	2.65%	0.204%
40	16.154	2260	2266	2277	rBV2	44817	99965	10.53%	0.812%
41	16.406	2300	2309	2315	rBV5	23880	49694	5.23%	0.404%
42	16.741	2358	2366	2371	rBV3	43280	106939	11.26%	0.869%
43	16.788	2371	2374	2380	rVV	36510	57249	6.03%	0.465%
44	16.888	2387	2391	2396	rVB	30949	44489	4.68%	0.361%
45	17.100	2423	2427	2434	rVB4	19318	28569	3.01%	0.232%
46	17.258	2445	2454	2461	rVB	57228	107136	11.28%	0.870%
47	17.440	2478	2485	2489	rBV2	295892	490069	51.60%	3.981%
48	17.487	2489	2493	2498	rVV	646791	949708	100.00%	7.715%
49	17.540	2498	2502	2505	rVV	145305	222356	23.41%	1.806%
50	17.576	2505	2508	2513	rVV	144997	204947	21.58%	1.665%
51	17.634	2513	2518	2522	rVV7	19239	41874	4.41%	0.340%
52	17.711	2527	2531	2540	rVB8	8635	26857	2.83%	0.218%
53	17.846	2550	2554	2562	rBV3	12267	24964	2.63%	0.203%
54	17.957	2569	2573	2577	rBV	16637	20854	2.20%	0.169%
55	18.022	2579	2584	2590	rBV2	36798	54681	5.76%	0.444%
56	18.169	2603	2609	2615	rVB	21642	43163	4.54%	0.351%
57	18.316	2628	2634	2638	rBV	132275	195850	20.62%	1.591%
58	18.363	2638	2642	2649	rVB	140917	210539	22.17%	1.710%
59	18.445	2651	2656	2661	rBV	54104	78392	8.25%	0.637%
60	18.510	2661	2667	2671	rVV2	150754	314222	33.09%	2.552%
61	18.545	2671	2673	2680	rVB	92825	113589	11.96%	0.923%
62	18.809	2713	2718	2722	rBV	63305	85173	8.97%	0.692%
63	19.050	2751	2759	2763	rBV4	22322	42711	4.50%	0.347%
64	19.103	2764	2768	2771	rVB	17379	20772	2.19%	0.169%
65	19.144	2771	2775	2779	rVB3	14456	20736	2.18%	0.168%
66	19.221	2782	2788	2793	rBV	71953	129950	13.68%	1.056%
67	19.285	2793	2799	2802	rBV3	29503	60780	6.40%	0.494%
68	19.362	2808	2812	2815	rBV2	16780	30787	3.24%	0.250%
69	19.491	2828	2834	2839	rBV	232246	334941	35.27%	2.721%
70	19.638	2854	2859	2869	rVB	75427	110279	11.61%	0.896%
71	19.826	2885	2891	2893	rBV	199277	311517	32.80%	2.530%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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

72	19.855	2893	2896	2903	rVB	336938	458241	48.25%	3.722%
73	19.920	2903	2907	2913	rVB3	17310	25440	2.68%	0.207%
74	20.172	2945	2950	2957	rVB	29721	68546	7.22%	0.557%
75	20.314	2967	2974	2975	rBV3	31217	50438	5.31%	0.410%
76	20.337	2975	2978	2986	rVB	78166	115907	12.20%	0.942%
77	20.443	2992	2996	3001	rVB	54463	72122	7.59%	0.586%
78	20.502	3001	3006	3009	rBV	45929	57831	6.09%	0.470%
79	20.637	3025	3029	3033	rVV	41331	58364	6.15%	0.474%
80	20.684	3033	3037	3046	rVB	54805	91066	9.59%	0.740%
81	21.289	3137	3140	3143	rBV	16693	21669	2.28%	0.176%
82	21.330	3143	3147	3152	rVB2	36484	54116	5.70%	0.440%
83	21.712	3203	3212	3217	rBV2	416775	859024	90.45%	6.978%
84	21.759	3217	3220	3227	rVB	99983	161885	17.05%	1.315%
85	22.446	3329	3337	3346	rVV2	28575	72309	7.61%	0.587%
86	22.517	3346	3349	3355	rVB2	18195	27442	2.89%	0.223%
87	22.611	3359	3365	3369	rBV5	11356	24851	2.62%	0.202%
88	22.728	3379	3385	3388	rBV2	14142	26648	2.81%	0.216%
89	22.769	3388	3392	3399	rVB3	17045	35475	3.74%	0.288%
90	23.933	3581	3590	3595	rBV3	35556	110132	11.60%	0.895%
91	24.197	3627	3635	3645	rBV	13686	41427	4.36%	0.337%
92	24.661	3704	3714	3720	rBV	34010	90109	9.49%	0.732%
93	24.738	3720	3727	3734	rVV	91053	250123	26.34%	2.032%
94	24.814	3734	3740	3752	rVB2	59633	161249	16.98%	1.310%
95	24.973	3752	3767	3776	rBV2	200612	609306	64.16%	4.949%
96	26.066	3948	3953	3962	rVB5	13015	34003	3.58%	0.276%
97	26.359	3995	4003	4015	rVB7	8240	29987	3.16%	0.244%
98	27.423	4176	4184	4195	rVB4	12424	41917	4.41%	0.340%
99	28.680	4387	4398	4411	rVB3	12981	56135	5.91%	0.456%
100	29.832	4582	4594	4611	rVB2	13818	70797	7.45%	0.575%

Sum of corrected areas: 12310556

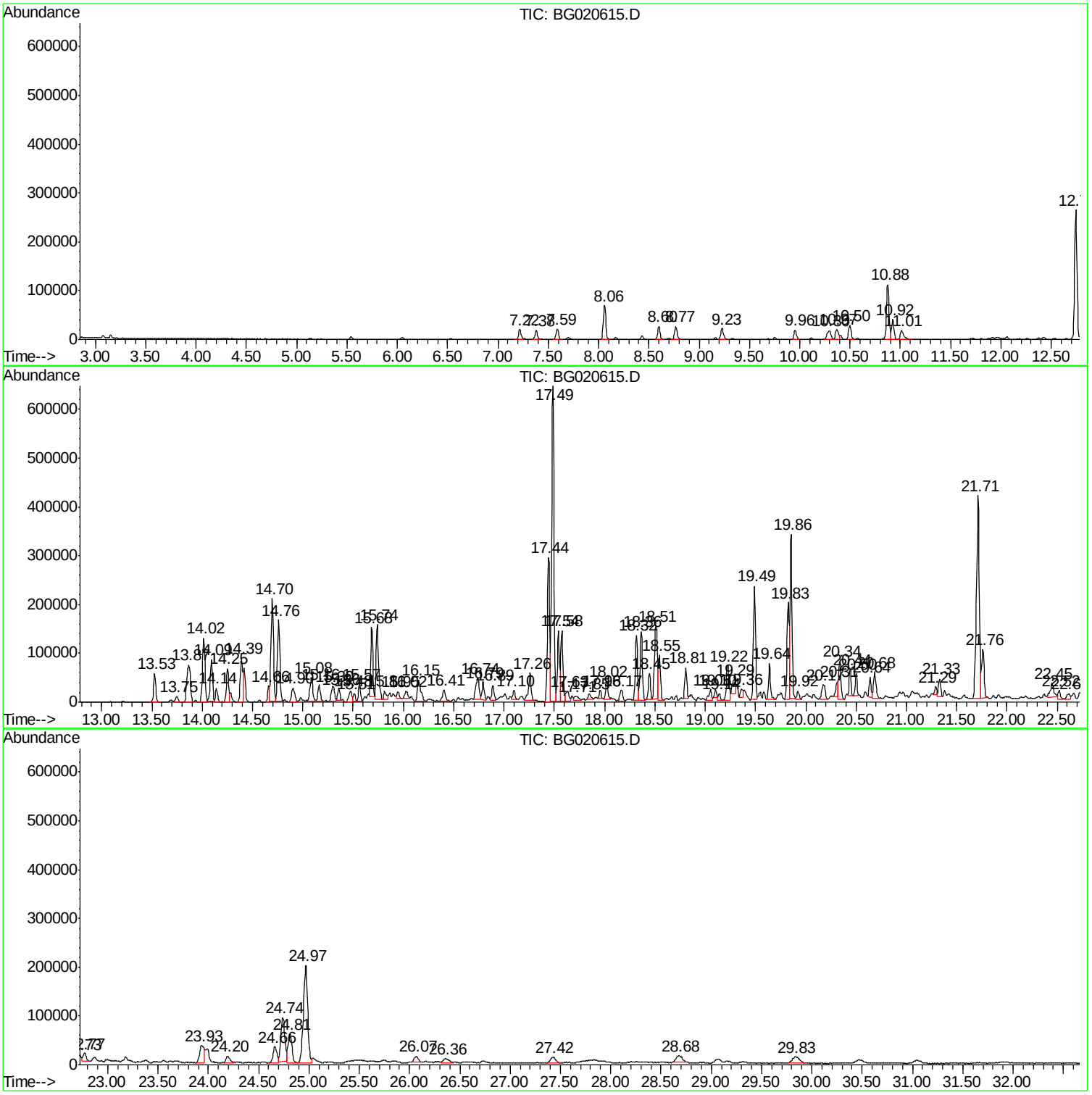
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D96DL

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

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

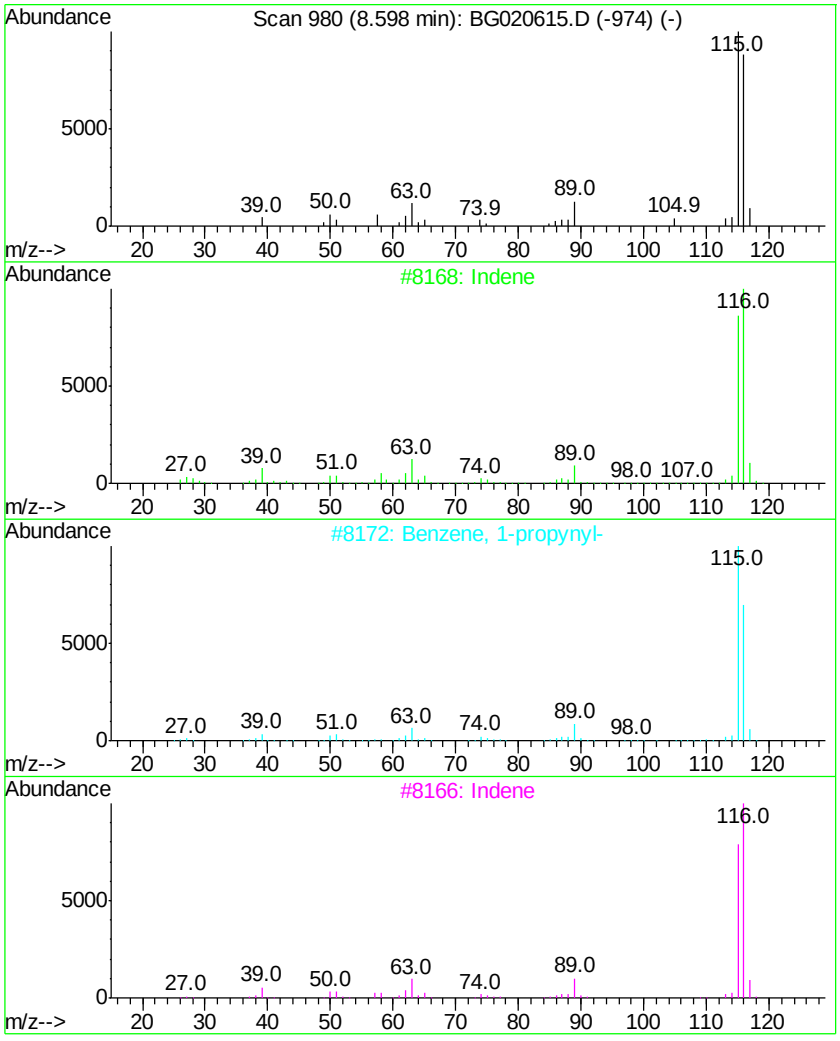
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

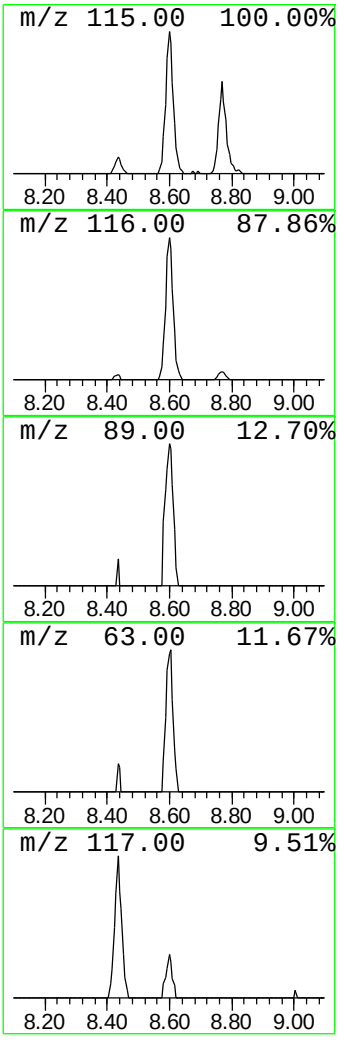
****

Peak Number 1 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	7.52 ng/ul	44897	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	94
4	Indene	116	C9H8	000095-13-6	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

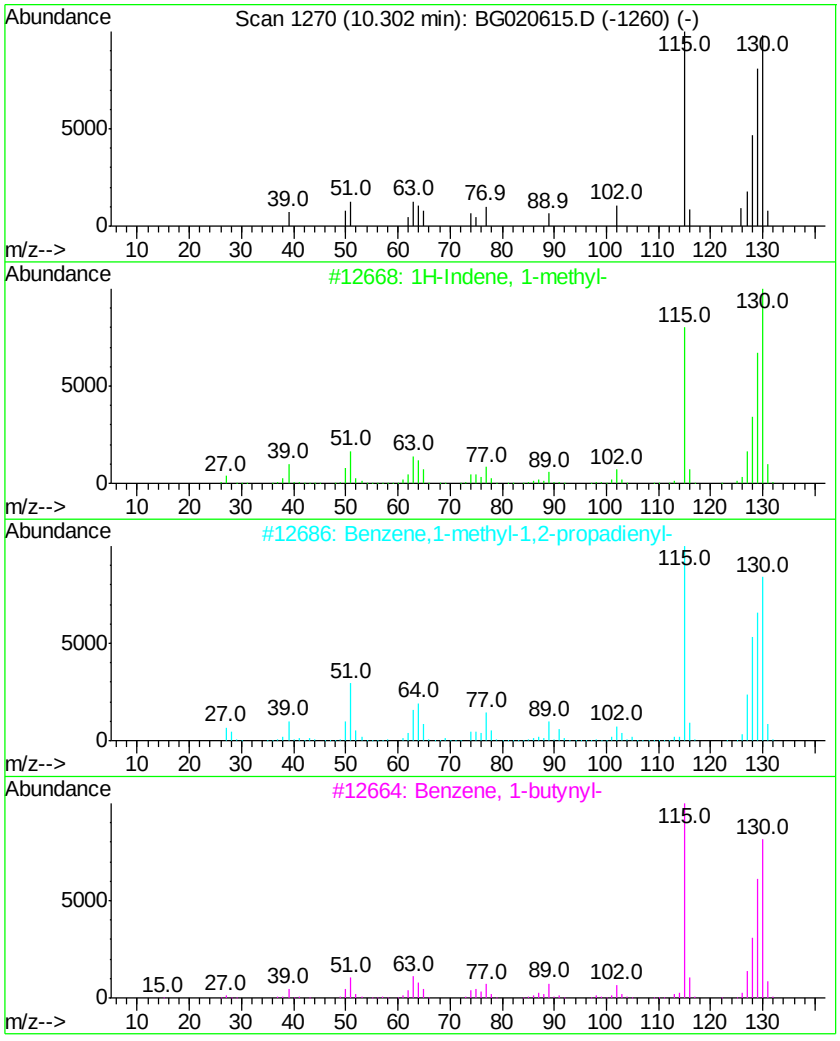
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

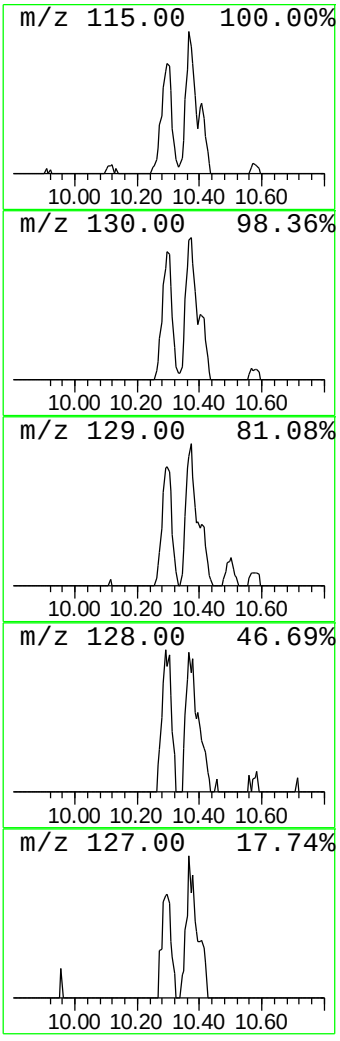
****

Peak Number 2 1H-Indene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	4.57 ng/ul	47055	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
5	2-Methylindene	130	C10H10	002177-47-1	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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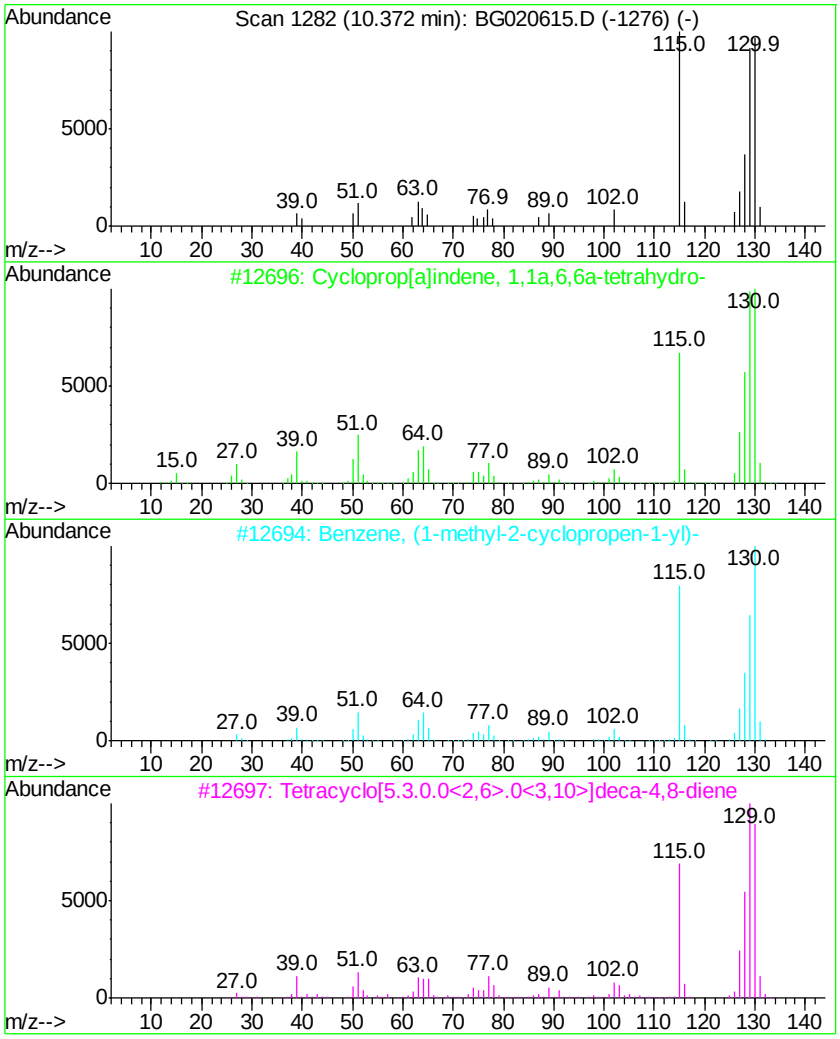
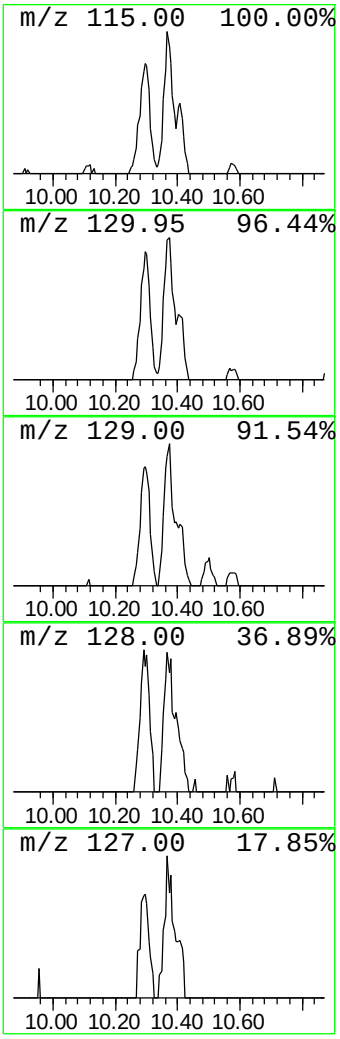
Peak Number 3 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	3.87 ng/ul	39834	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
3	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	92
4	Triquinacene	130	C10H10	006053-74-3	89
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

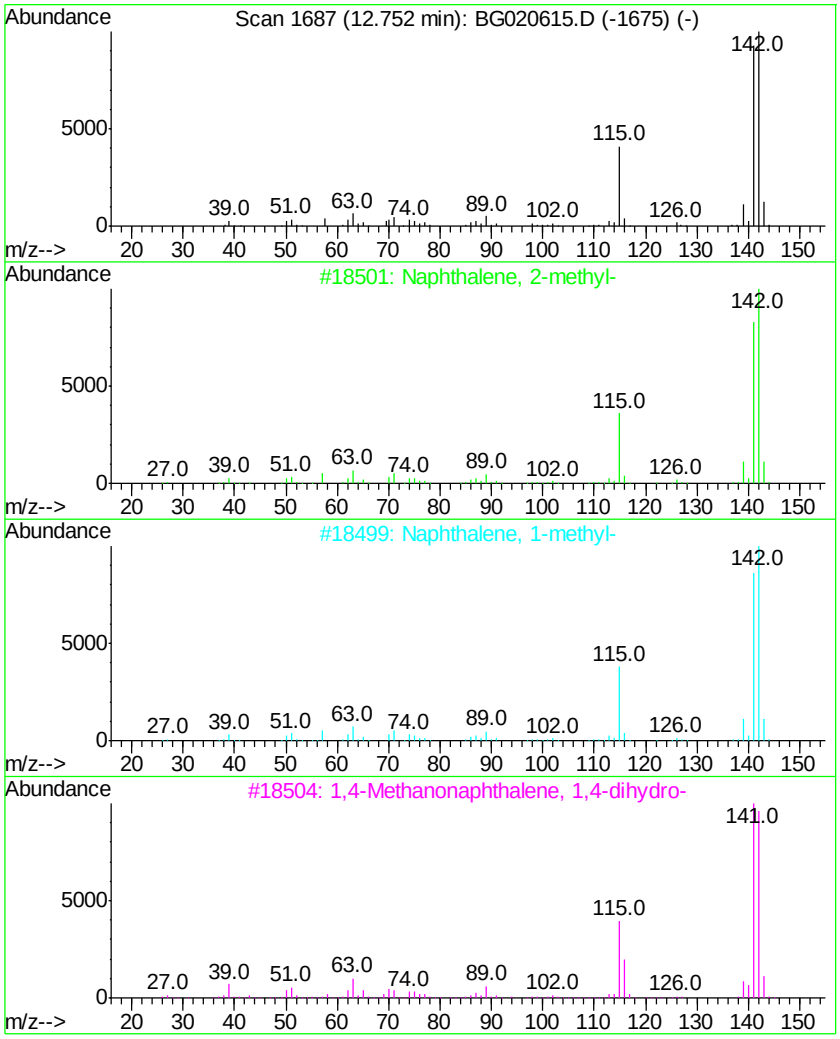
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

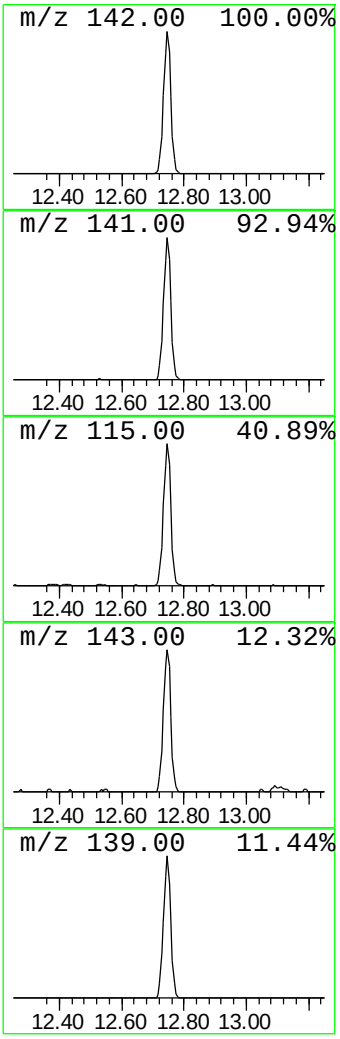
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	42.18 ng/ul	434296	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

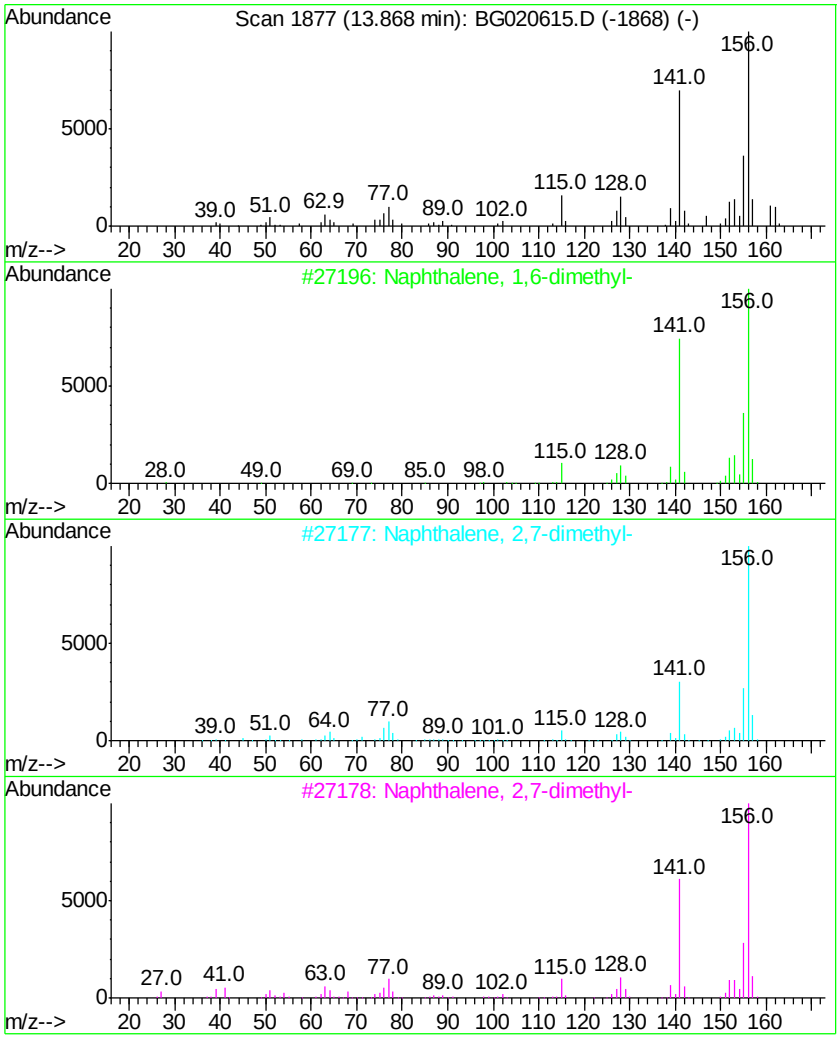
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

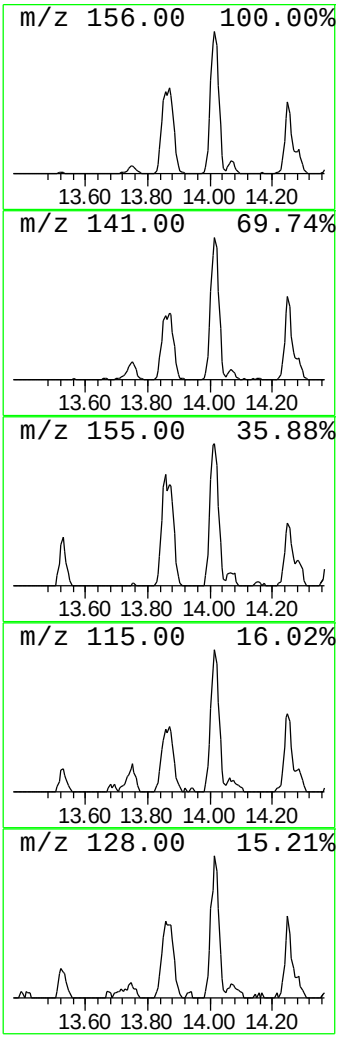
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	10.90 ng/ul	190581	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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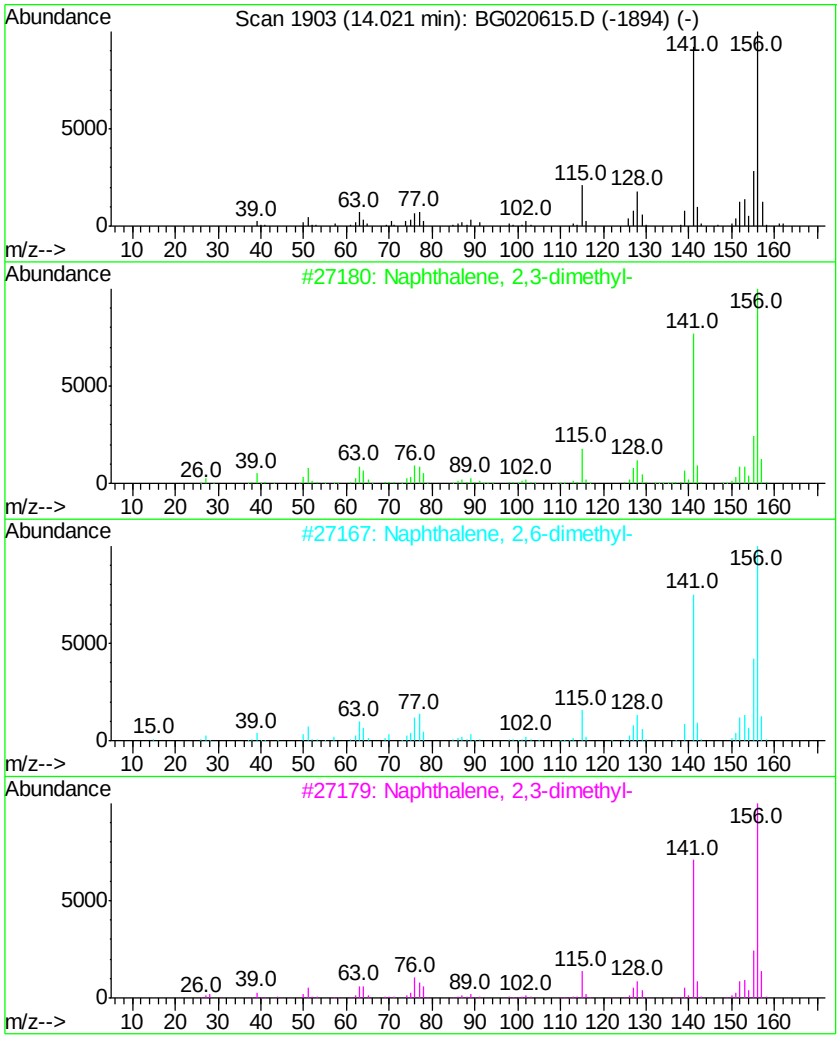
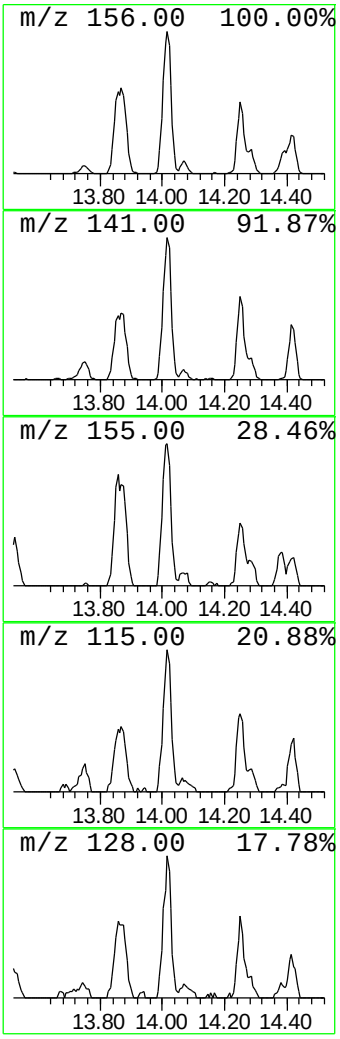
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	13.67 ng/ul	238946	Acenaphthene-d10	14.70

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





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Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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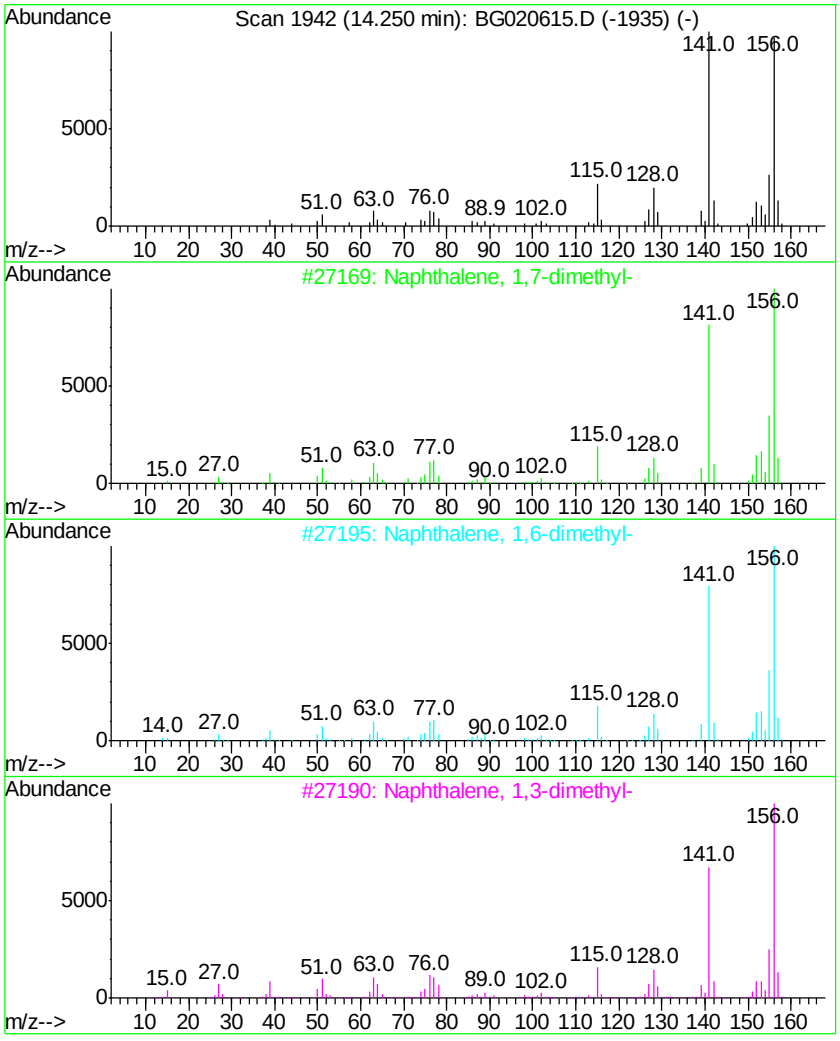
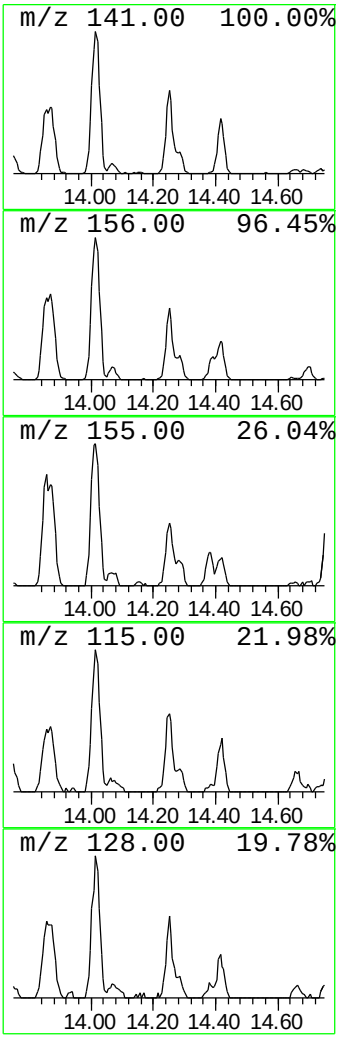
Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	6.13 ng/ul	107258	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Data File : BG020615.D
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Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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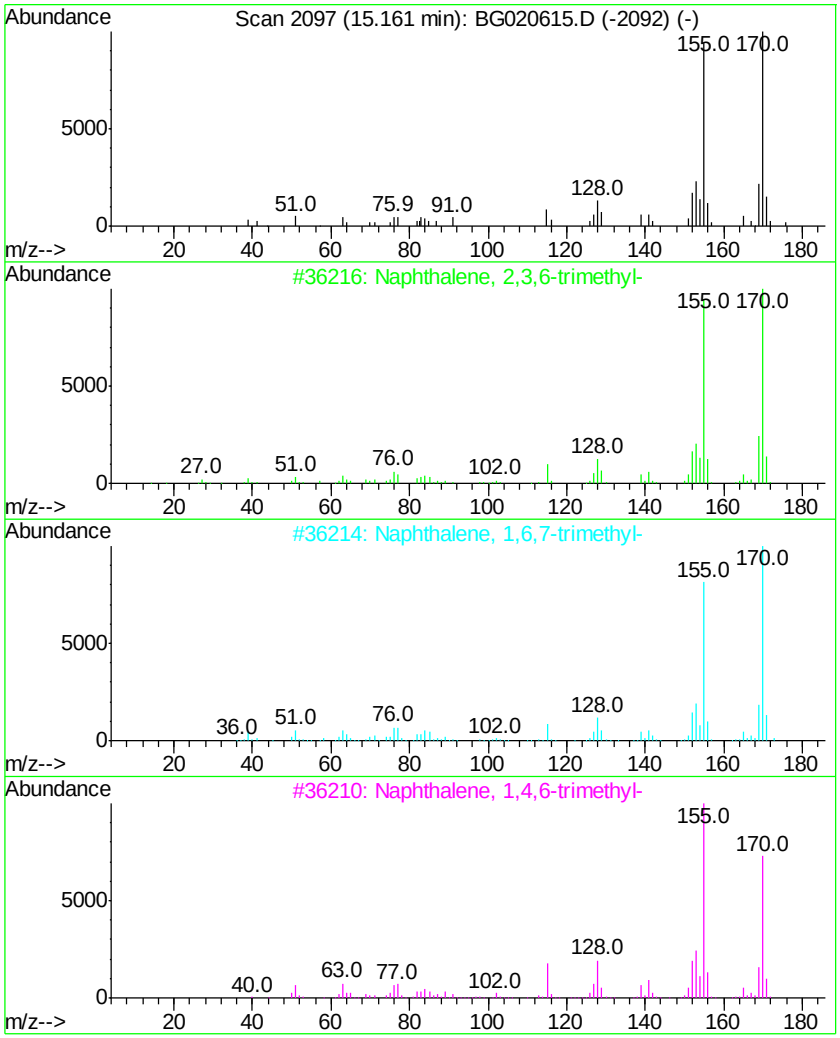
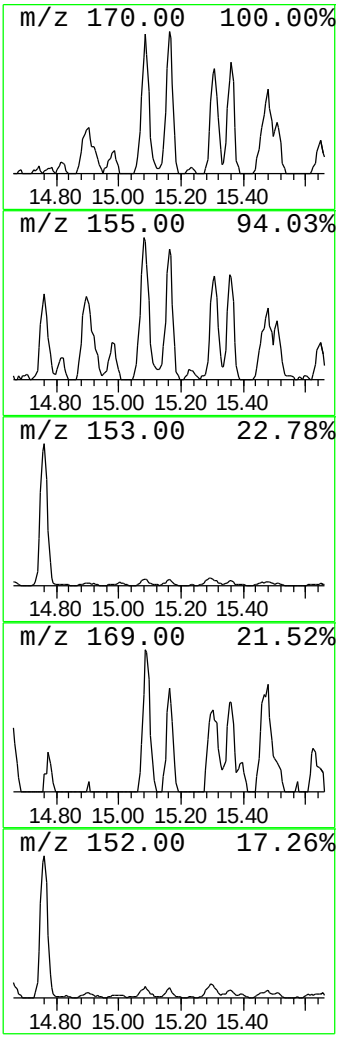
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	2.90 ng/ul	50743	Acenaphthene-d10	14.70

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	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Library Search Compound Report

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Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

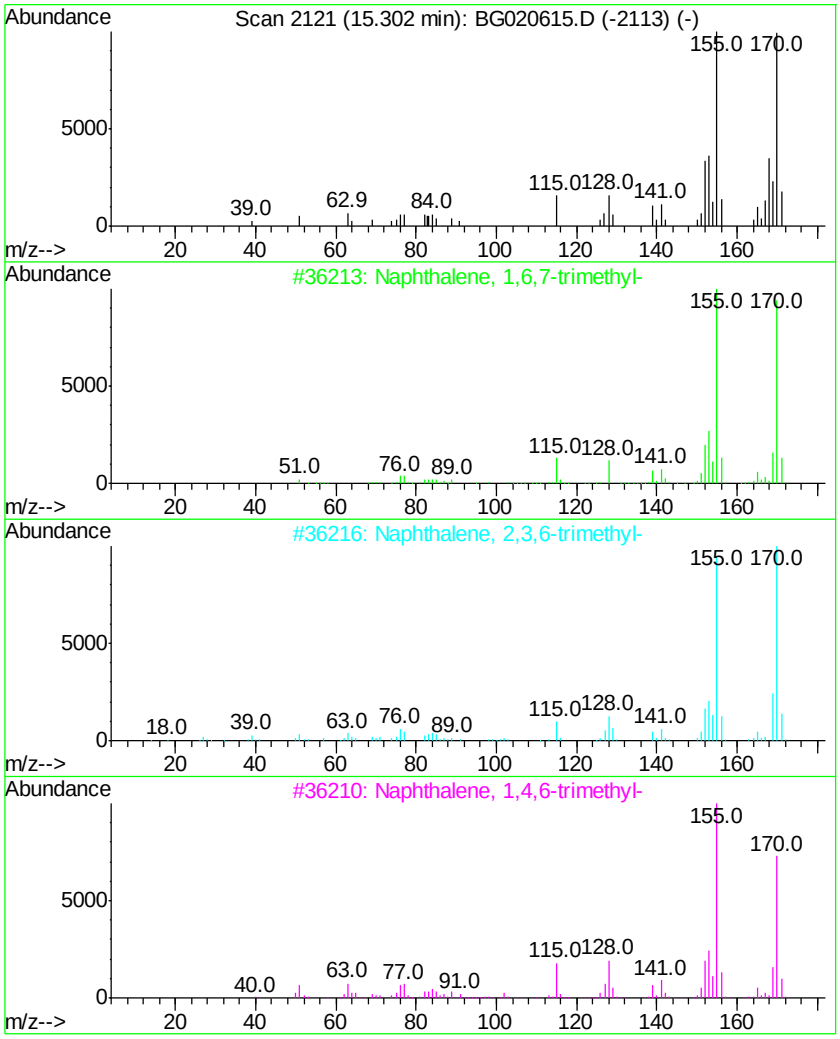
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

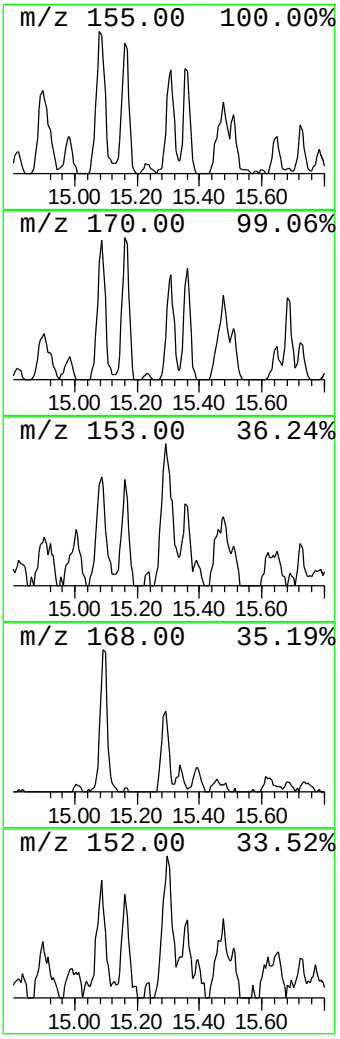
****

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	4.10 ng/ul	71689	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87





Library Search Compound Report

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Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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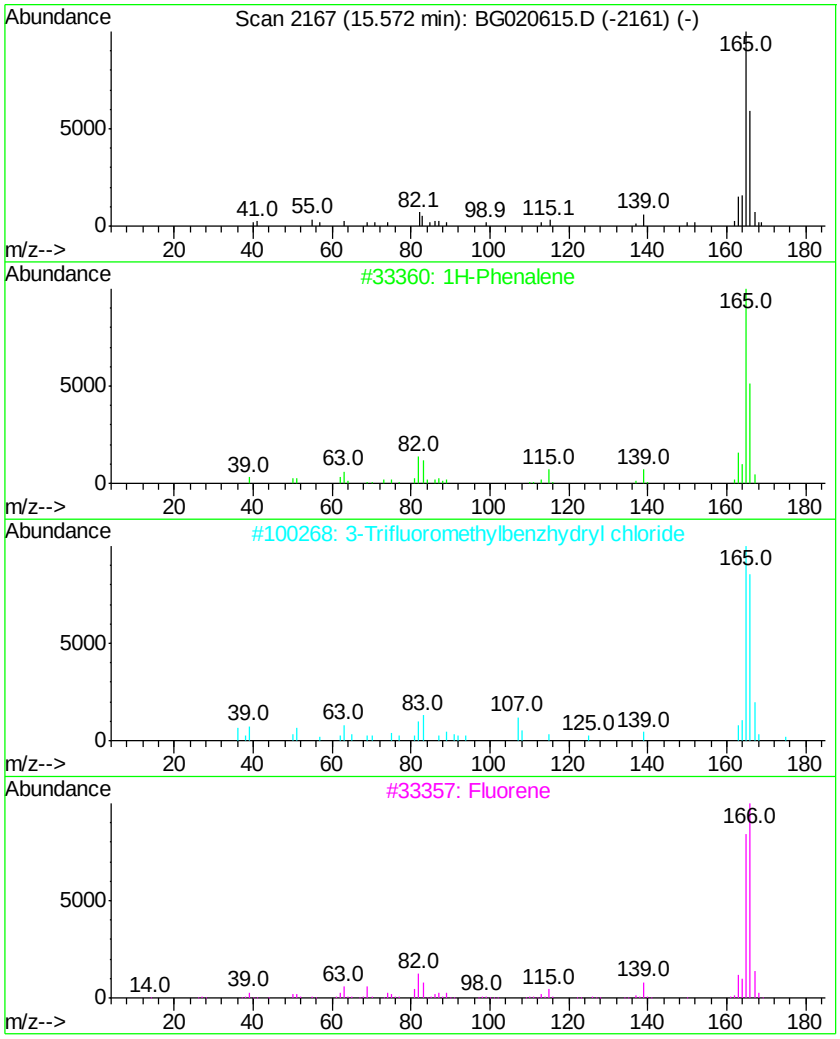
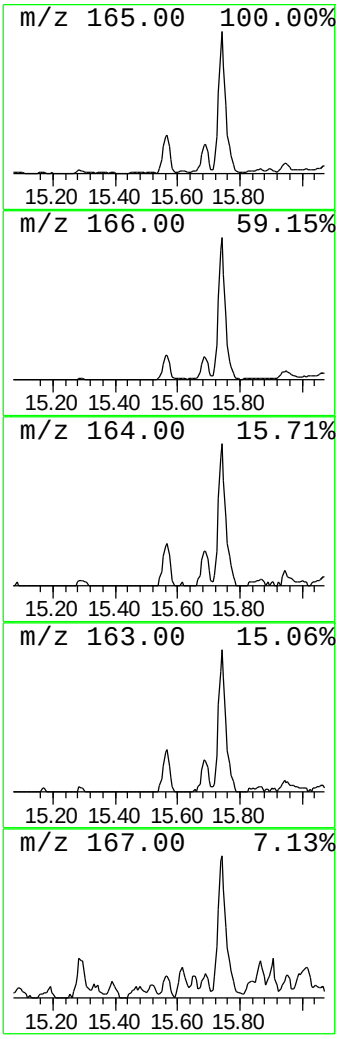
Peak Number 11 1H-Phenalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	2.95 ng/ul	51598	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	80
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
3	Fluorene	166	C13H10	000086-73-7	40
4	1,6-Dimethyl[1,2,4]triazolo[3,4-...	165	C6H7N5O	1000146-89-4	37
5	1,4-Oxathiino[3,2-b]pyridine, 6-...	165	C8H7NOS	056114-39-7	33





Library Search Compound Report

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Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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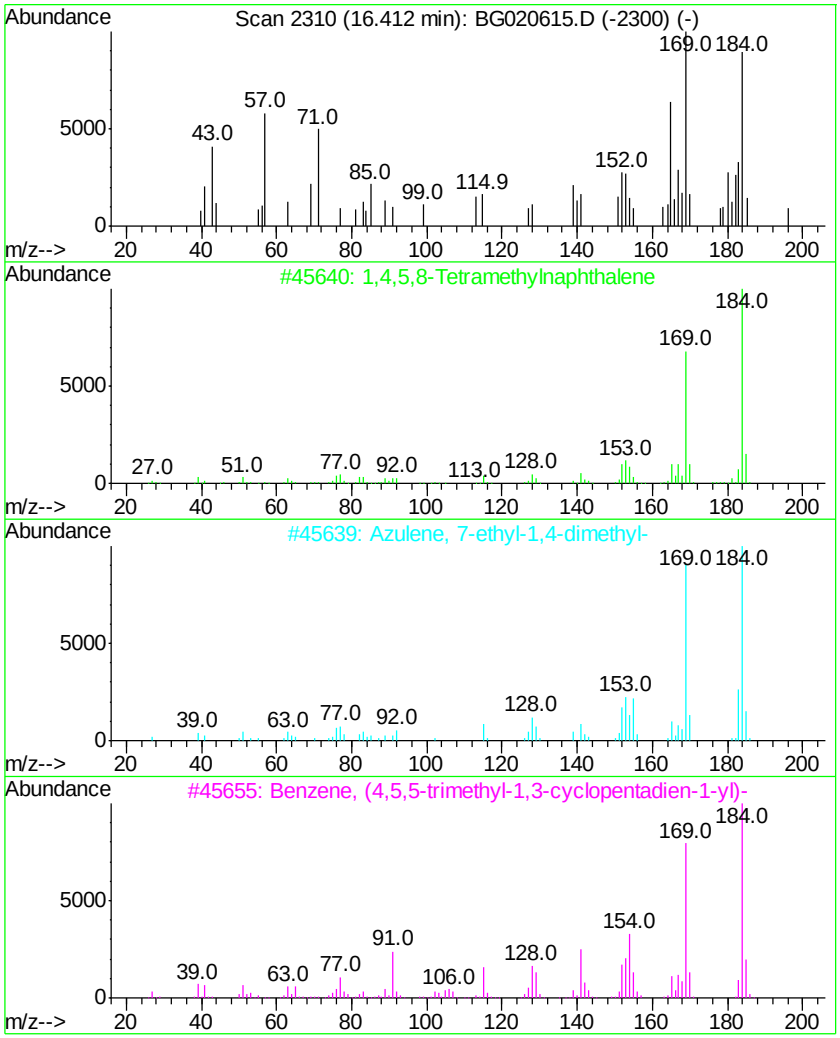
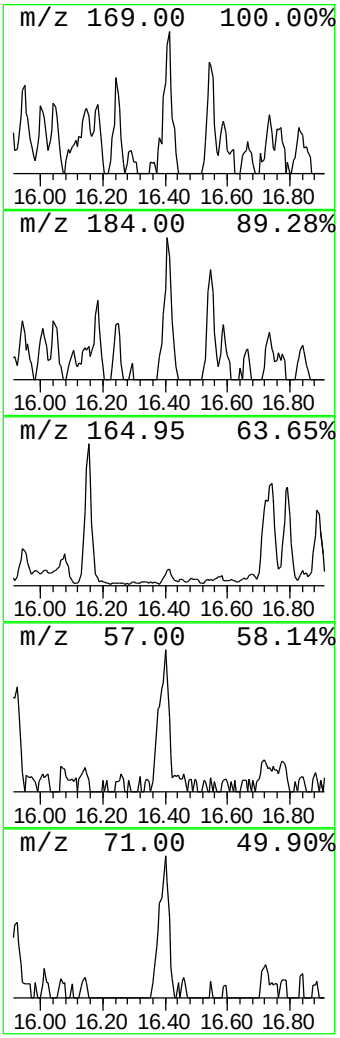
Peak Number 13 1,4,5,8-Tetramethylnaphthalene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.03 ng/ul	49694	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	68
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	52
4	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	50
5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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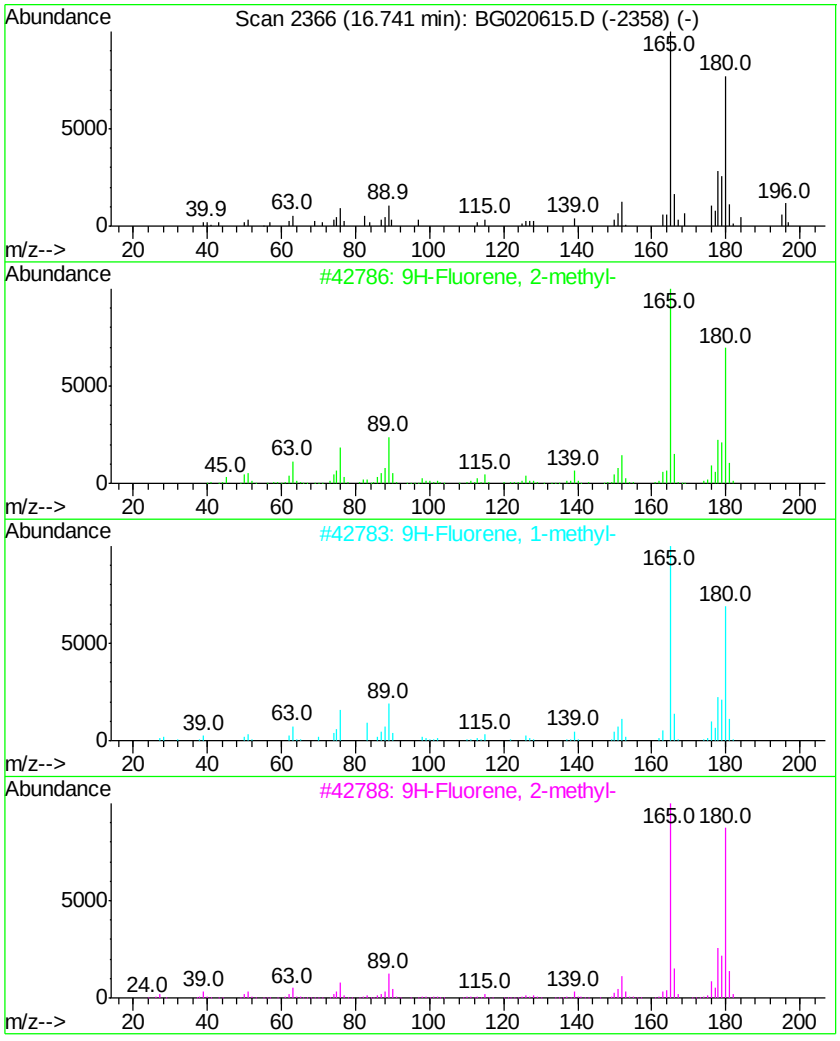
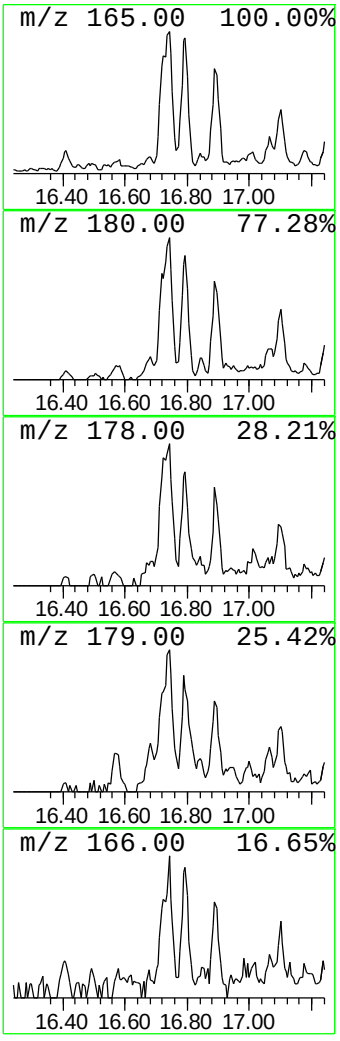
Peak Number 14 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	4.36 ng/ul	106939	Phenanthrene-d10	17.44

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





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Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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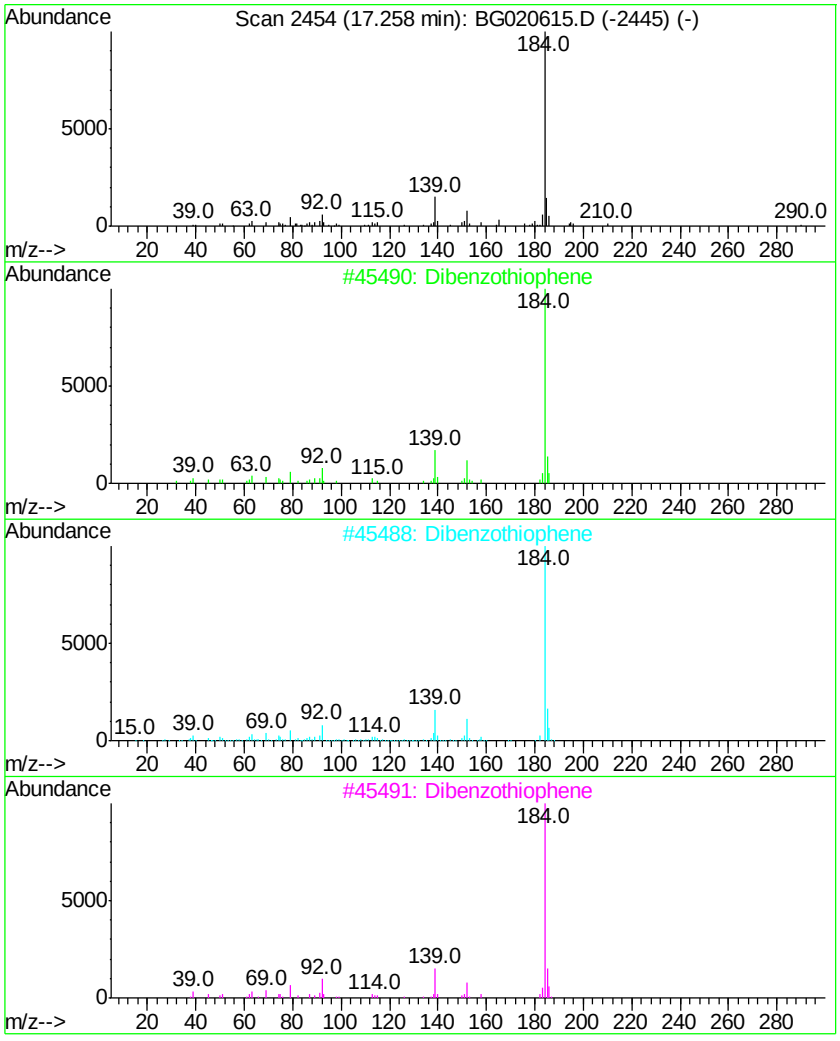
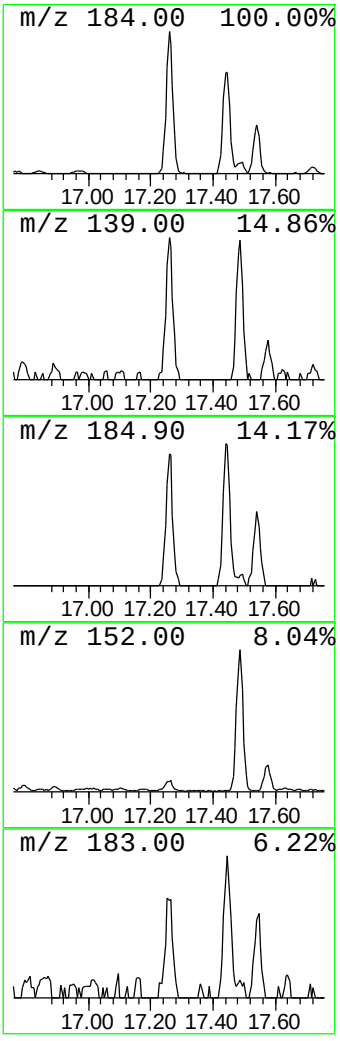
Peak Number 16 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	4.37 ng/ul	107136	Phenanthrene-d10	17.44

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





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Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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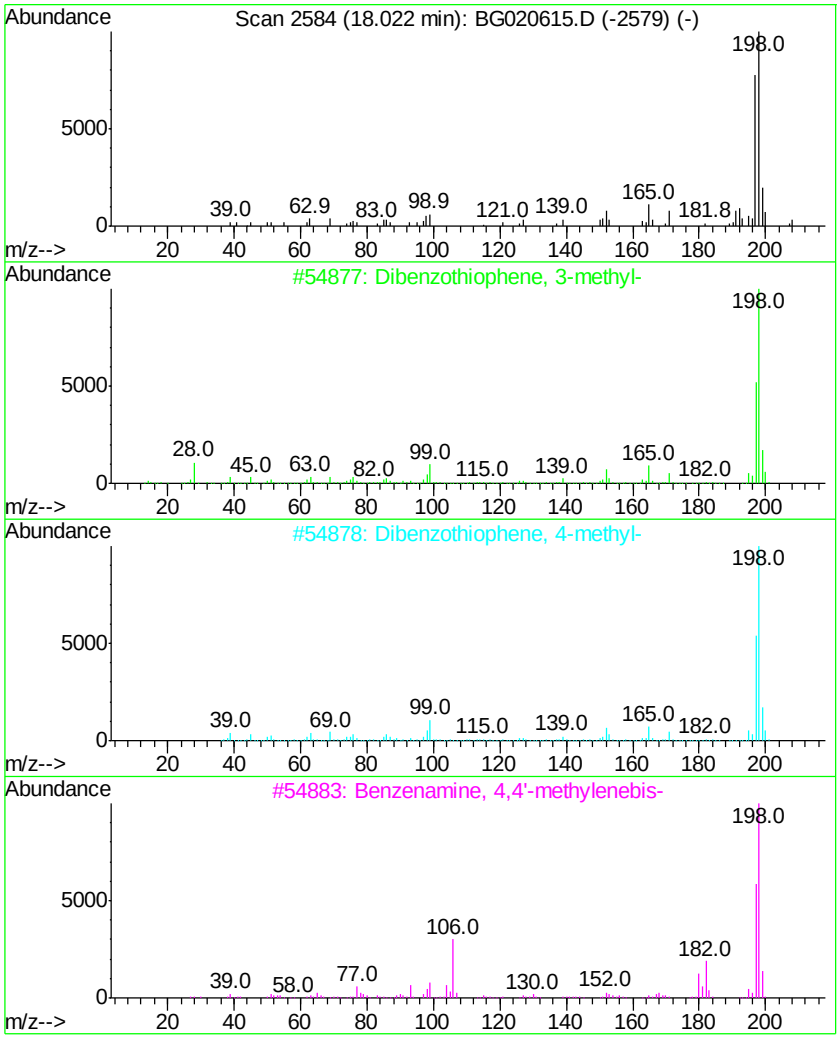
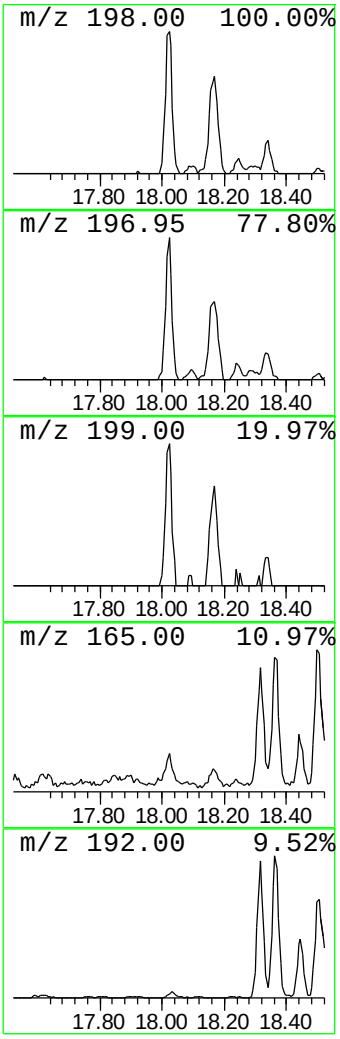
Peak Number 17 Dibenzothiophene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.23 ng/ul	54681	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	72





Library Search Compound Report

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Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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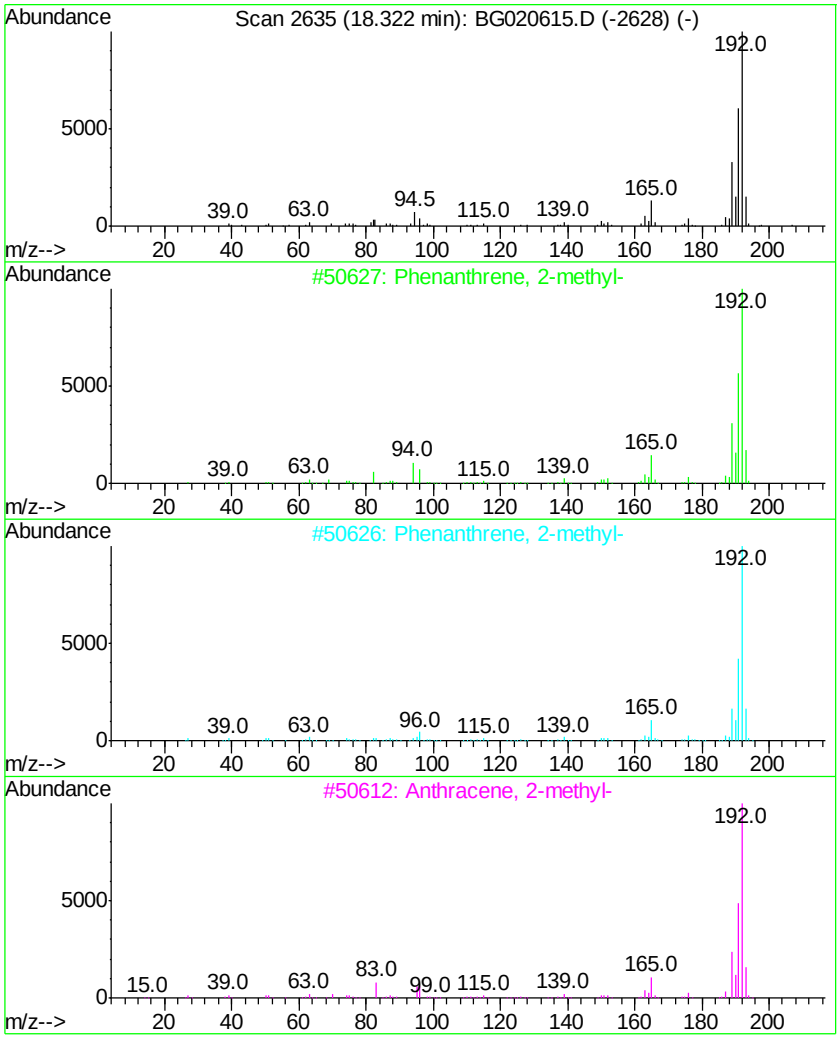
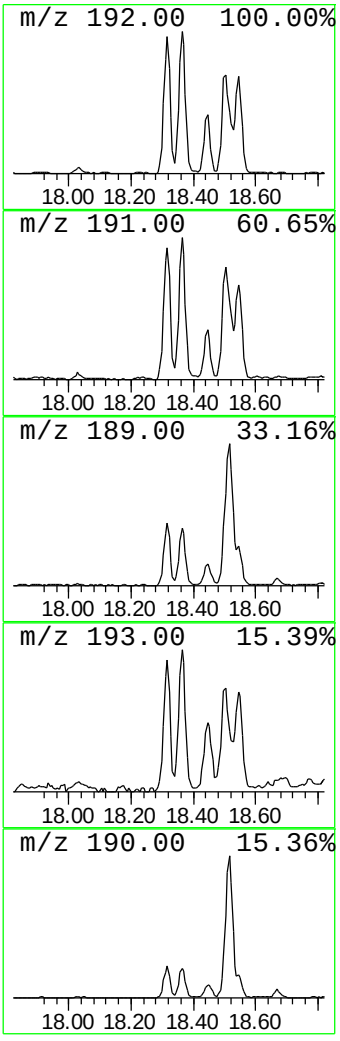
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	7.99 ng/ul	195850	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Library Search Compound Report

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Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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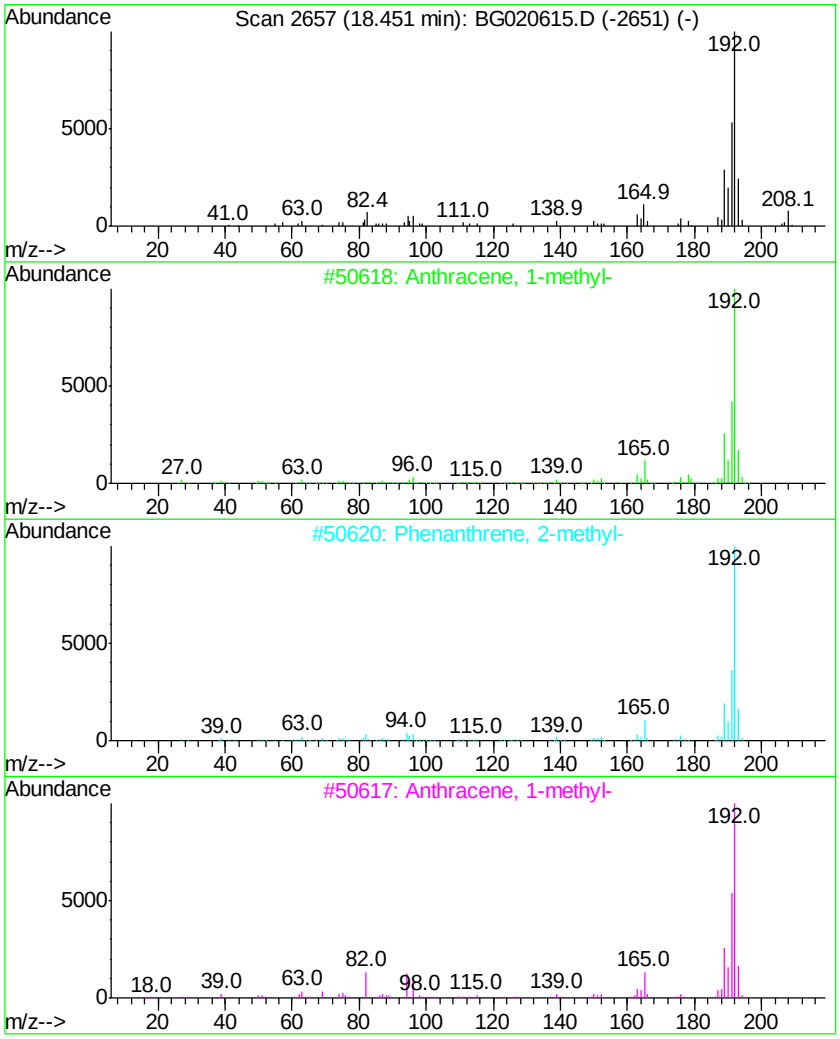
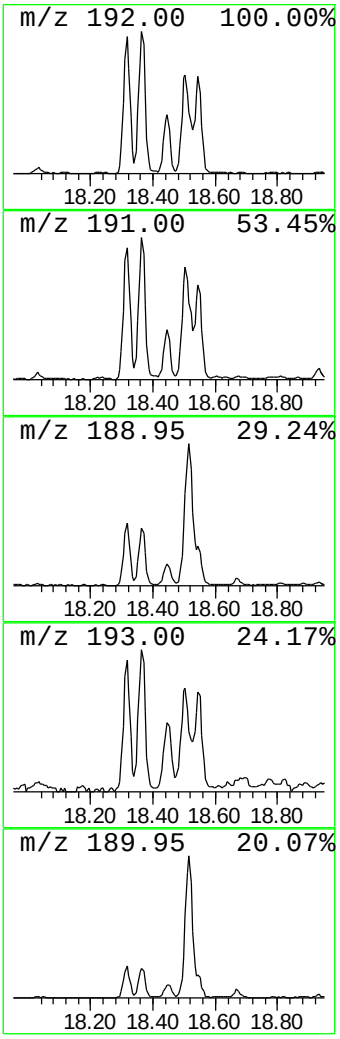
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.20 ng/ul	78392	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

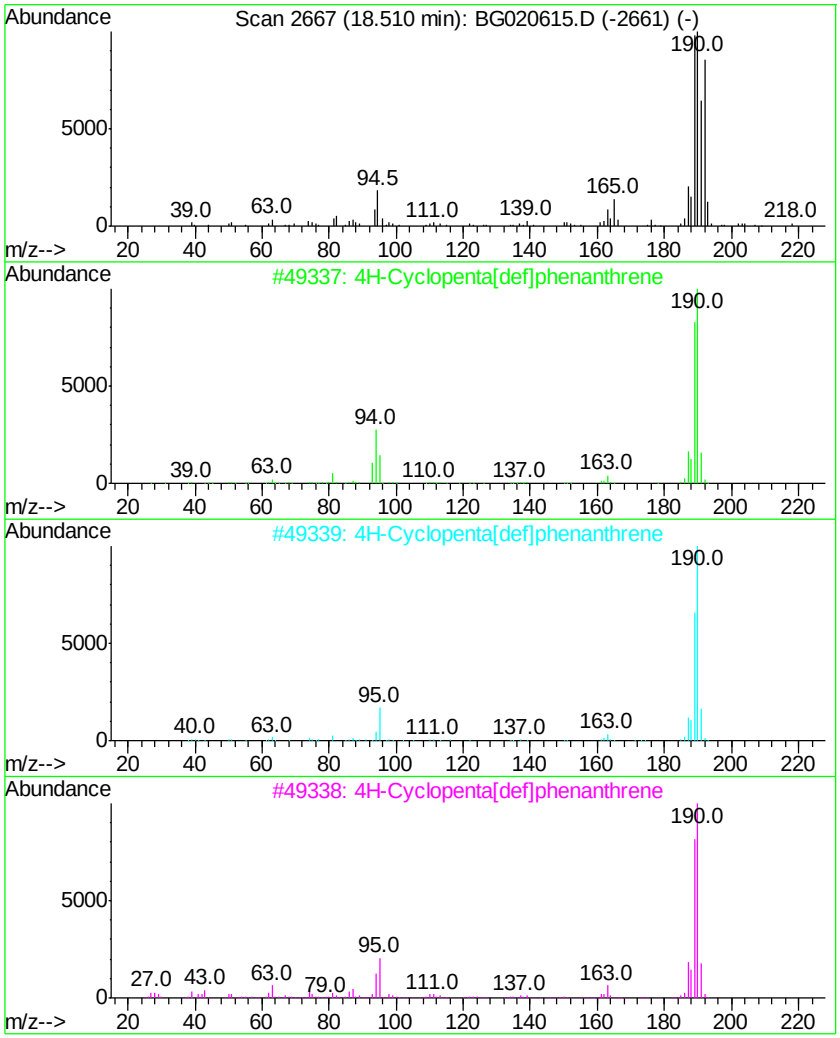
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

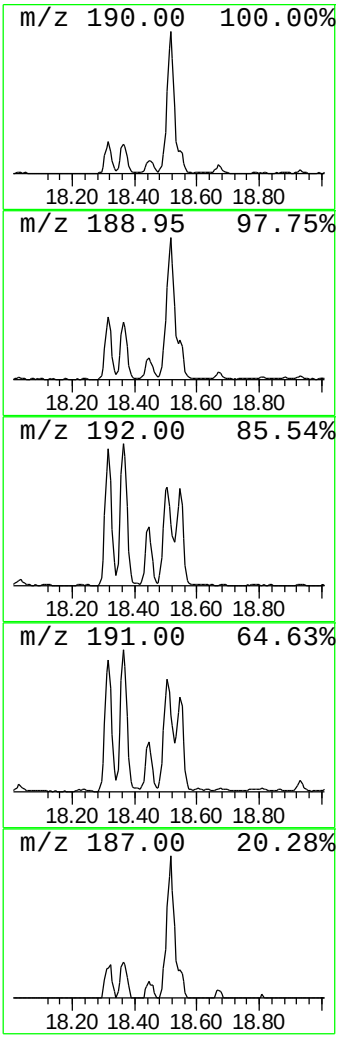
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	12.82 ng/ul	314222	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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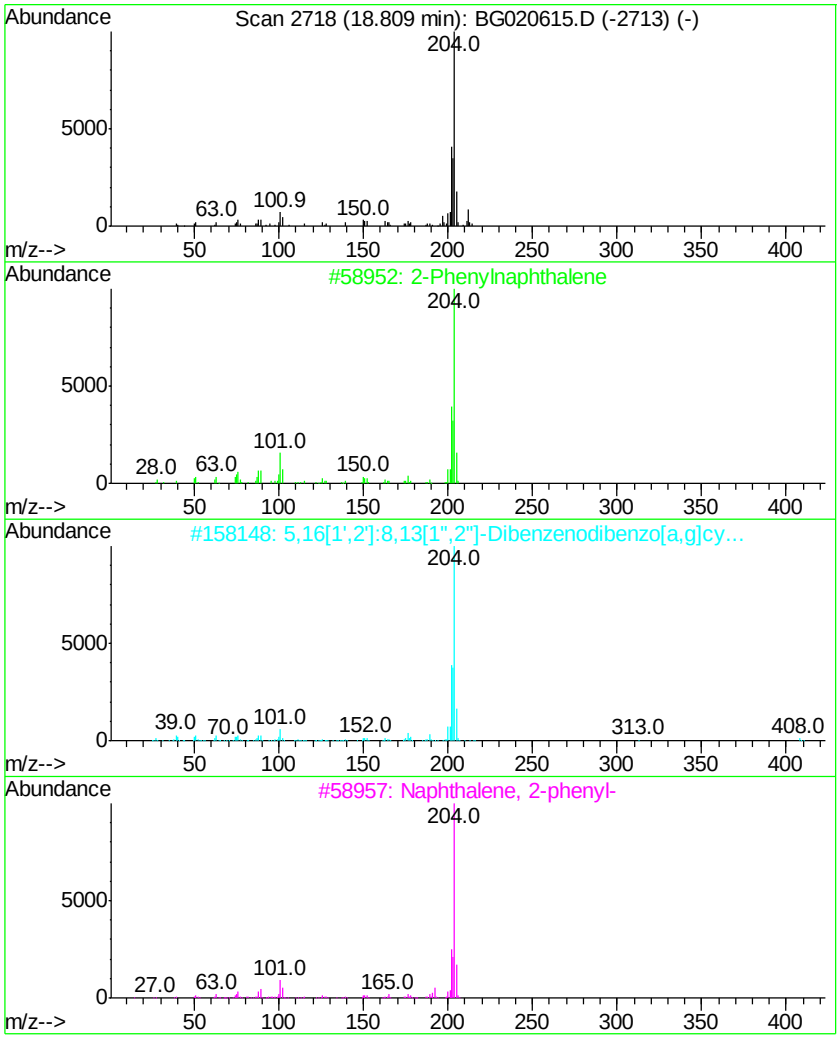
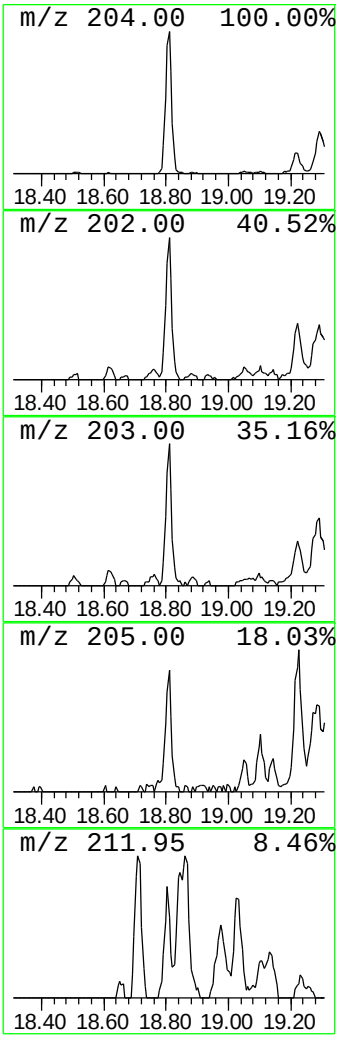
Peak Number 23 2-Phenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.48 ng/ul	85173	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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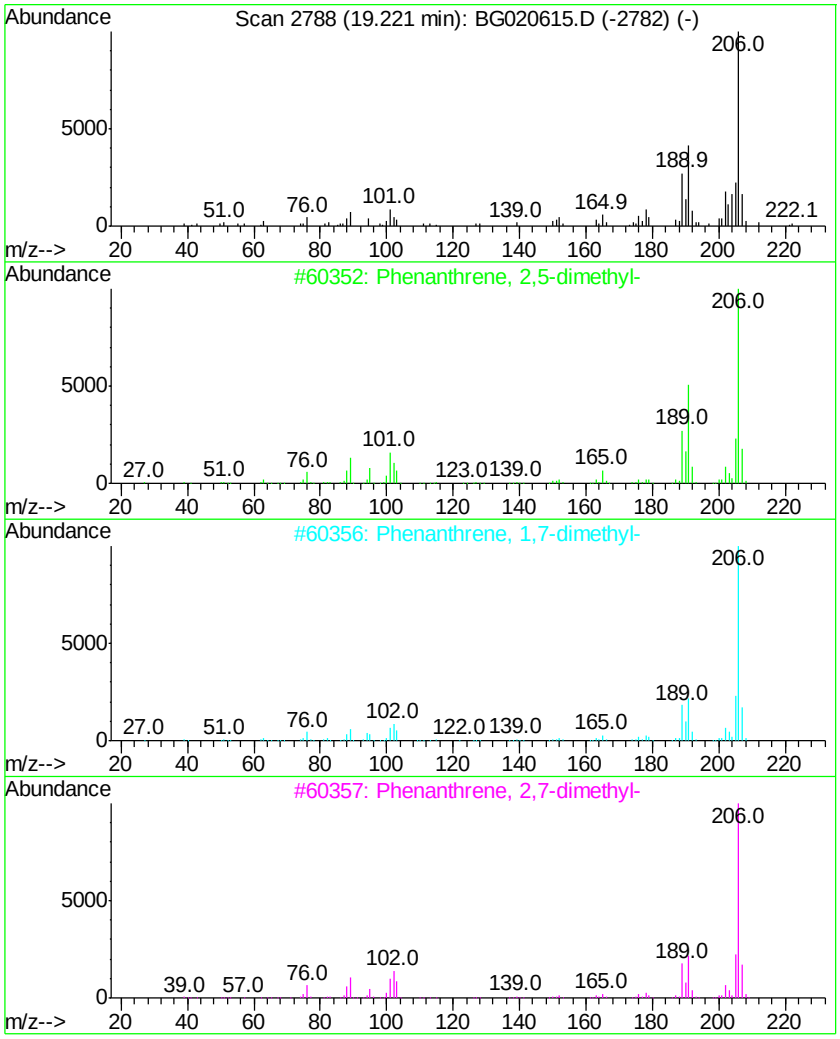
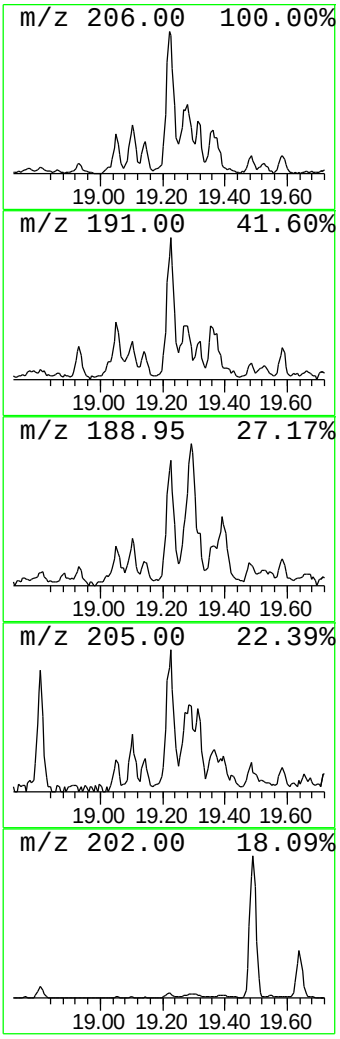
Peak Number 24 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	5.30 ng/ul	129950	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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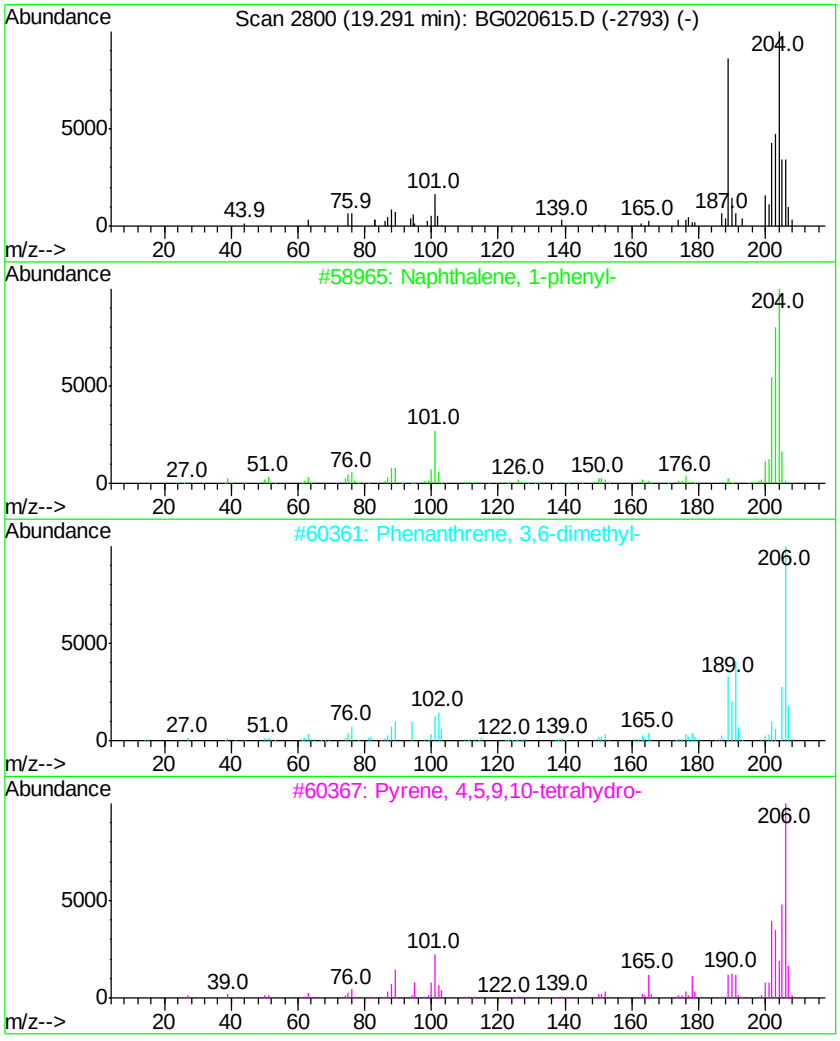
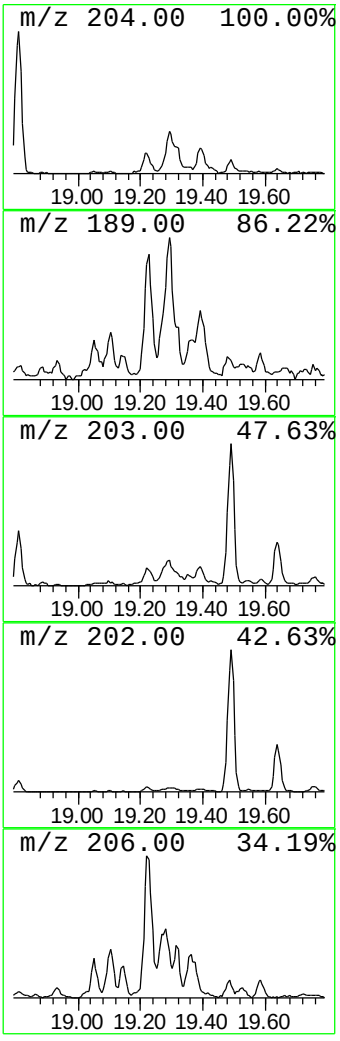
Peak Number 25 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	2.48 ng/ul	60780	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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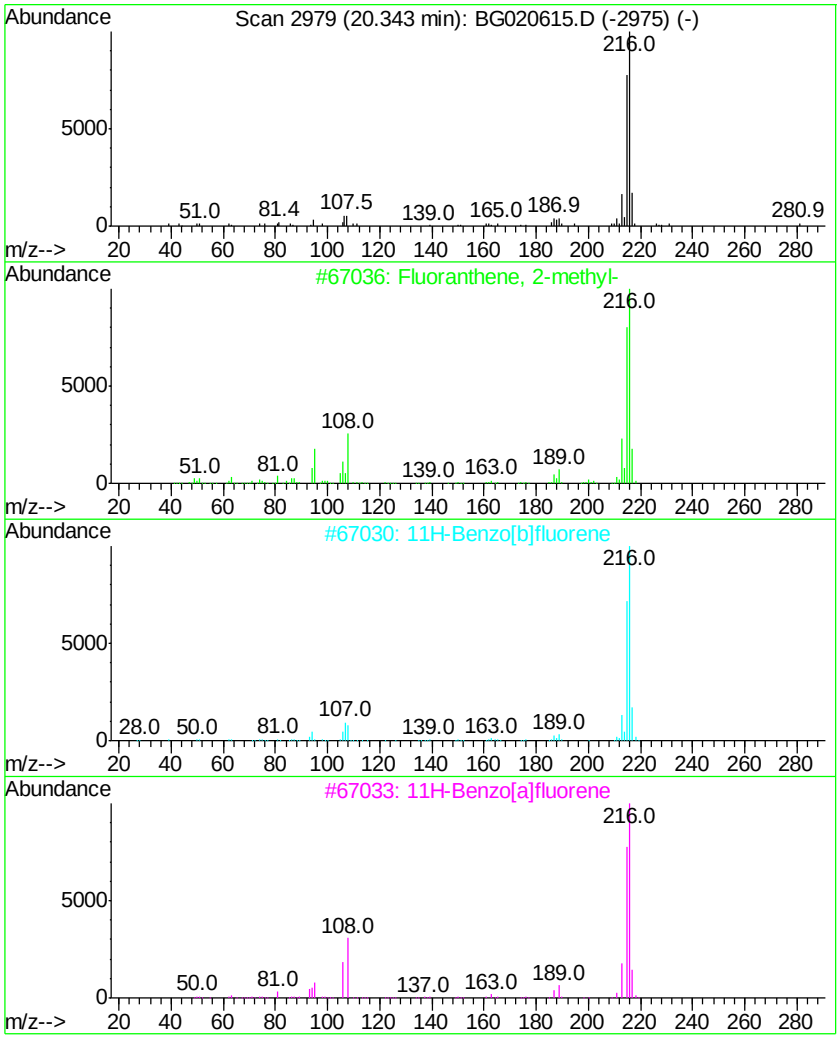
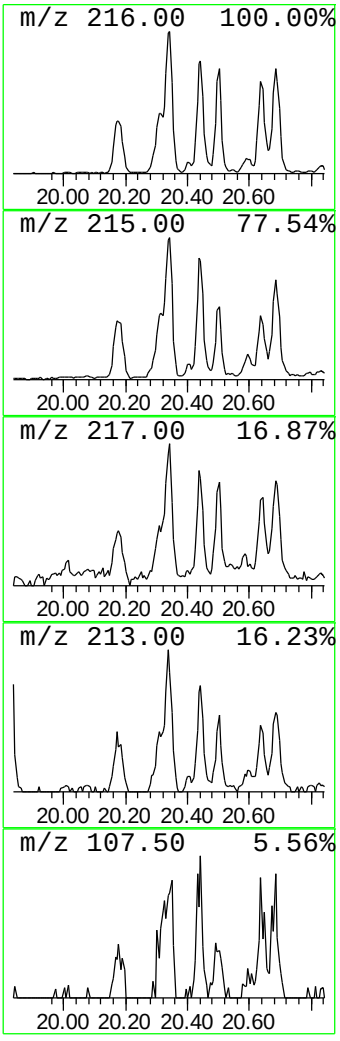
Peak Number 27 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.70 ng/ul	115907	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

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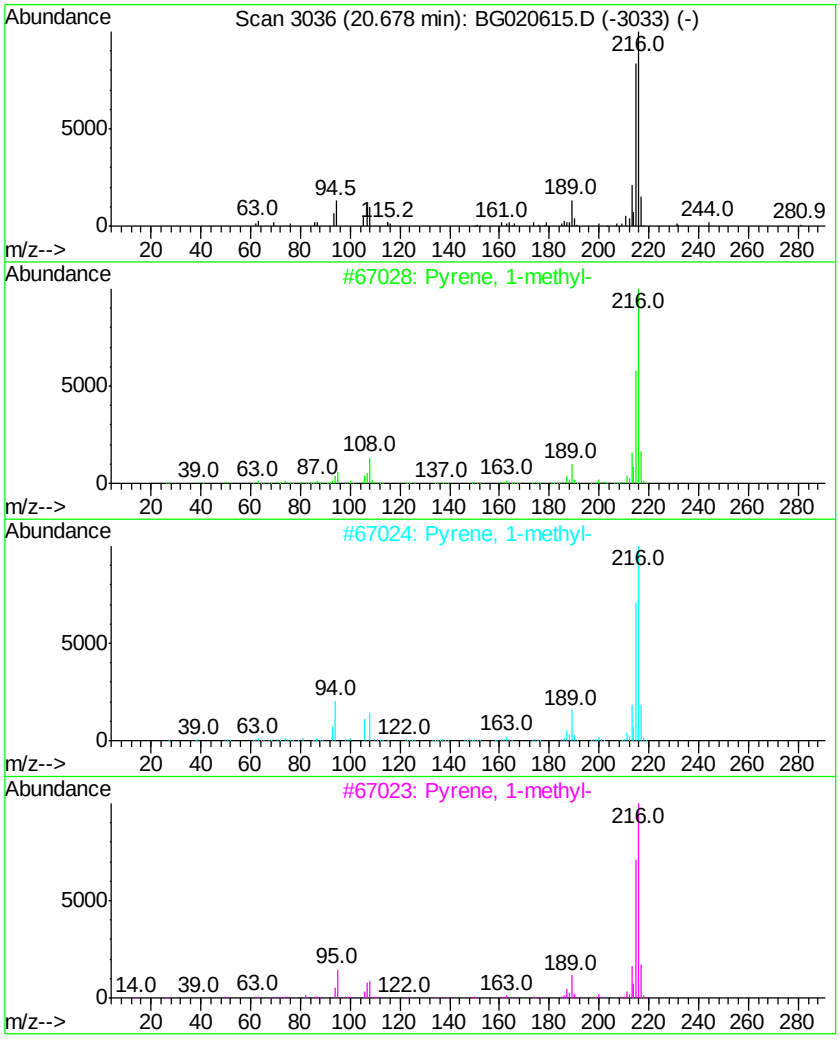
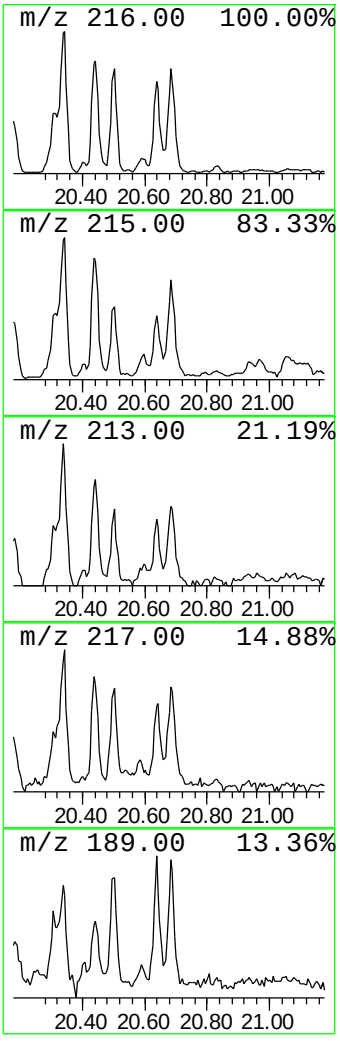
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	2.12 ng/ul	91066	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020615.D
Acq On : 30 Dec 2015 19:11
Operator : UM/SJ
Sample : G4802-21DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96DL

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indene	8.60	7.5	ng/ul	44897	1	8.06	119337	20.0
1H-Indene, 1-methyl-	10.30	4.6	ng/ul	47055	2	10.88	205937	20.0
Cycloprop[a]inden...	10.37	3.9	ng/ul	39834	2	10.88	205937	20.0
Naphthalene, 1-me...	12.75	42.2	ng/ul	434296	2	10.88	205937	20.0
Naphthalene, 1,6-...	13.87	10.9	ng/ul	190581	3	14.70	349684	20.0
Naphthalene, 2,3-...	14.02	13.7	ng/ul	238946	3	14.70	349684	20.0
Naphthalene, 1,7-...	14.25	6.1	ng/ul	107258	3	14.70	349684	20.0
Naphthalene, 2,3,...	15.16	2.9	ng/ul	50743	3	14.70	349684	20.0
Naphthalene, 1,6,...	15.30	4.1	ng/ul	71689	3	14.70	349684	20.0
1H-Phenalene	15.57	3.0	ng/ul	51598	3	14.70	349684	20.0
1,4,5,8-Tetrameth...	16.41	2.0	ng/ul	49694	4	17.44	490069	20.0
9H-Fluorene, 2-me...	16.74	4.4	ng/ul	106939	4	17.44	490069	20.0
Dibenzothiophene	17.26	4.4	ng/ul	107136	4	17.44	490069	20.0
Dibenzothiophene,...	18.02	2.2	ng/ul	54681	4	17.44	490069	20.0
Phenanthrene, 2-m...	18.32	8.0	ng/ul	195850	4	17.44	490069	20.0
Anthracene, 1-met...	18.45	3.2	ng/ul	78392	4	17.44	490069	20.0
4H-Cyclopenta[def...	18.51	12.8	ng/ul	314222	4	17.44	490069	20.0
2-Phenylnaphthalene	18.81	3.5	ng/ul	85173	4	17.44	490069	20.0
Phenanthrene, 2,5...	19.22	5.3	ng/ul	129950	4	17.44	490069	20.0
unknown-01	19.29	2.5	ng/ul	60780	4	17.44	490069	20.0
Fluoranthene, 2-m...	20.34	2.7	ng/ul	115907	5	21.71	859024	20.0
Pyrene, 1-methyl-	20.68	2.1	ng/ul	91066	5	21.71	859024	20.0