LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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	3.078	36	41	48	rBV2	10436	17386	3.57%	0.268%
2	3.149	50	53	58	rVB	7028	8939	1.83%	0.138%
3	5.540	455	460	464	rBV	2597	3714	0.76%	0.057%
4	7.132	728	731	737	rBB	2298	2746	0.56%	0.042%
5	7.197	737	742	744	rBV	2461	3434	0.70%	0.053%
6	7.385	769	774	779	rBB2	2497	4076	0.84%	0.063%
7	7.590	803	809	815	rBB2	3055	4540	0.93%	0.070%
8	7.696	823	827	835	rBB3	4231	7547	1.55%	0.117%
9	8.060	883	889	899	rBB	47408	80867	16.60%	1.249%
10	8.178	902	909	913	rBB3	1627	3186	0.65%	0.049%
11	8.431	947	952	959	rBB	17337	28671	5.88%	0.443%
12	8.601	976	981	987	rVB	3115	5059	1.04%	0.078%
13	8.695	993	997	1001	rBB2	2870	3874	0.80%	0.060%
14	8.771	1006	1010	1017	rBB2	2539	4461	0.92%	0.069%
15	9.165	1071	1077	1082	rBB2	4532	5938	1.22%	0.092%
16	9.236	1084	1089	1094	rBV3	3912	7206	1.48%	0.111%
17	9.747	1171	1176	1181	rBB3	1987	3471	0.71%	0.054%
18	9.958	1207	1212	1219	rBB	2296	3818	0.78%	0.059%
19	10.111	1234	1238	1246	rBB	3799	6158	1.26%	0.095%
20	10.287	1260	1268	1275	rBB6	7753	22785	4.68%	0.352%
21	10.370	1276	1282	1287	rBV3	12141	24933	5.12%	0.385%
22	10.505	1300	1305	1310	rBB2	4494	7520	1.54%	0.116%
23	10.875	1362	1368	1372	rVV	74321	133150	27.33%	2.056%
24	10.928	1372	1377	1385	rVB	186677	330208	67.77%	5.100%
25	11.010	1388	1391	1393	rBV3	2318	2694	0.55%	0.042%
26	11.721	1504	1512	1518	rBB3	2232	5519	1.13%	0.085%
27	12.062	1566	1570	1578	rVB2	3907	7474	1.53%	0.115%
28	12.179	1585	1590	1594	rVB2	1302	2600	0.53%	0.040%
29	12.261	1600	1604	1609	rBB2	1688	2437	0.50%	0.038%
30	12.379	1616	1624	1627	rBV4	2331	4379	0.90%	0.068%
31	12.426	1627	1632	1638	rVB2	2888	5120	1.05%	0.079%
32	12.526	1641	1649	1661	rBB	200119	331007	67.93%	5.112%
33	12.743	1676	1686	1695	rBB	149888	250369	51.38%	3.867%
34	13.525	1811	1819	1826	rBV	18063	30217	6.20%	0.467%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

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

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

35	13.672	1839	1844	1847	rBV3	3131	5355	1.10%	0.083%
36	13.724	1847	1853	1863	rVB	68986	115958	23.80%	1.791%
37	13.860	1867	1876	1877	rBV2	51679	82678	16.97%	1.277%
38	13.936	1885	1889	1893	rVB2	4305	5558	1.14%	0.086%
39	14.012	1894	1902	1907	rBV	90571	165763	34.02%	2.560%
40	14.071	1907	1912	1920	rVV2	58693	118443	24.31%	1.829%
41	14.147	1920	1925	1930	rVB4	5680	9712	1.99%	0.150%
42	14.253	1936	1943	1947	rBV	46488	78551	16.12%	1.213%
43	14.388	1961	1966	1968	rBV2	19788	32042	6.58%	0.495%
44	14.565	1993	1996	2001	rBB2	3105	4075	0.84%	0.063%
45	14.664	2005	2013	2014	rBV	21292	29406	6.03%	0.454%
46	14.694	2014	2018	2024	rVV2	136183	226046	46.39%	3.491%
47	14.759	2024	2029	2036	rVB	116146	186318	38.24%	2.877%
48	14.817	2036	2039	2044	rVB4	3176	5670	1.16%	0.088%
49	14.894	2045	2052	2062	rBV	21759	51583	10.59%	0.797%
50	14.982	2062	2067	2070	rBV3	5480	8178	1.68%	0.126%
51	15.088	2078	2085	2092	rVB3	35609	65200	13.38%	1.007%
52	15.164	2092	2098	2105	rVB	27633	40462	8.30%	0.625%
53	15.229	2105	2109	2112	rVB2	3376	4199	0.86%	0.065%
54	15.299	2114	2121	2127	rBV3	24748	55541	11.40%	0.858%
55	15.358	2127	2131	2135	rVB2	17018	22173	4.55%	0.342%
56	15.475	2143	2151	2154	rBV4	17598	39653	8.14%	0.612%
57	15.563	2161	2166	2171	rBV	23817	33305	6.83%	0.514%
58	15.622	2171	2176	2177	rBV3	5652	8820	1.81%	0.136%
59	15.687	2183	2187	2191	rVB2	42304	57263	11.75%	0.884%
60	15.740	2191	2196	2206	rVB2	78398	134083	27.52%	2.071%
61	15.834	2207	2212	2214	rBV4	8272	13169	2.70%	0.203%
62	15.951	2228	2232	2237	rVB2	20520	30412	6.24%	0.470%
63	16.151	2261	2266	2279	rVB2	25165	58778	12.06%	0.908%
64	16.251	2279	2283	2286	rBV2	2887	4965	1.02%	0.077%
65	16.404	2301	2309	2315	rBV5	20389	38874	7.98%	0.600%
66	16.498	2320	2325	2329	rVB4	2723	4975	1.02%	0.077%
67	16.545	2329	2333	2336	rBV3	6355	9994	2.05%	0.154%
68	16.739	2359	2366	2371	rBV3	28118	68458	14.05%	1.057%
69	16.791	2371	2375	2380	rVB4	25508	42057	8.63%	0.650%
70	16.891	2388	2392	2397	rVB	18816	27137	5.57%	0.419%
71	17.097	2424	2427	2435	rVB3	12732	18814	3.86%	0.291%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

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

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

72	17.261	2450	2455	2461	rVB	31181	51157	10.50%	0.790%
73	17.444	2480	2486	2489	rBV	193843	298760	61.31%	4.614%
74	17.485	2489	2493	2499	rVV	328748	473777	97.23%	7.317%
75	17.538	2499	2502	2505	rVV2	29076	42375	8.70%	0.654%
76	17.573	2505	2508	2513	rVB	71675	96289	19.76%	1.487%
77	17.673	2523	2525	2528	rBV2	5207	6513	1.34%	0.101%
78	17.861	2552	2557	2561	rBV8	4728	10710	2.20%	0.165%
79	18.025	2581	2585	2591	rVB2	27599	38725	7.95%	0.598%
80	18.166	2603	2609	2616	rVB2	16092	30686	6.30%	0.474%
81	18.313	2629	2634	2638	rBV	84574	130673	26.82%	2.018%
82	18.366	2638	2643	2650	rVB	89931	138302	28.38%	2.136%
83	18.442	2652	2656	2661	rBV	34134	48150	9.88%	0.744%
84	18.507	2661	2667	2671	rBV2	95625	192727	39.55%	2.976%
85	18.807	2714	2718	2723	rBV	31412	43320	8.89%	0.669%
86	19.030	2752	2756	2757	rBV3	7788	10234	2.10%	0.158%
87	19.106	2766	2769	2772	rVB	10458	11487	2.36%	0.177%
88	19.224	2784	2789	2794	rBV2	52864	84351	17.31%	1.303%
89	19.288	2794	2800	2803	rBV4	23280	47763	9.80%	0.738%
90	19.488	2828	2834	2840	rBV	108399	156479	32.11%	2.417%
91	19.582	2847	2850	2855	rVB3	10739	14974	3.07%	0.231%
92	19.641	2855	2860	2865	rBV	35726	52066	10.69%	0.804%
93	19.853	2893	2896	2904	rVB	169078	231981	47.61%	3.583%
94	20.176	2946	2951	2958	rVB3	18146	39618	8.13%	0.612%
95	20.411	2987	2991	2992	rBV2	8510	10707	2.20%	0.165%
96	20.440	2993	2996	3000	rVV	31261	44037	9.04%	0.680%
97	20.499	3003	3006	3017	rVB	28538	45814	9.40%	0.708%
98	20.640	3027	3030	3034	rBV	21023	28274	5.80%	0.437%
99	21.715	3204	3213	3218	rBV2	247803	487272	100.00%	7.525%
100	24.970	3758	3767	3777	rVB2	122102	338871	69.54%	5.233%

Sum of corrected areas: 6475263

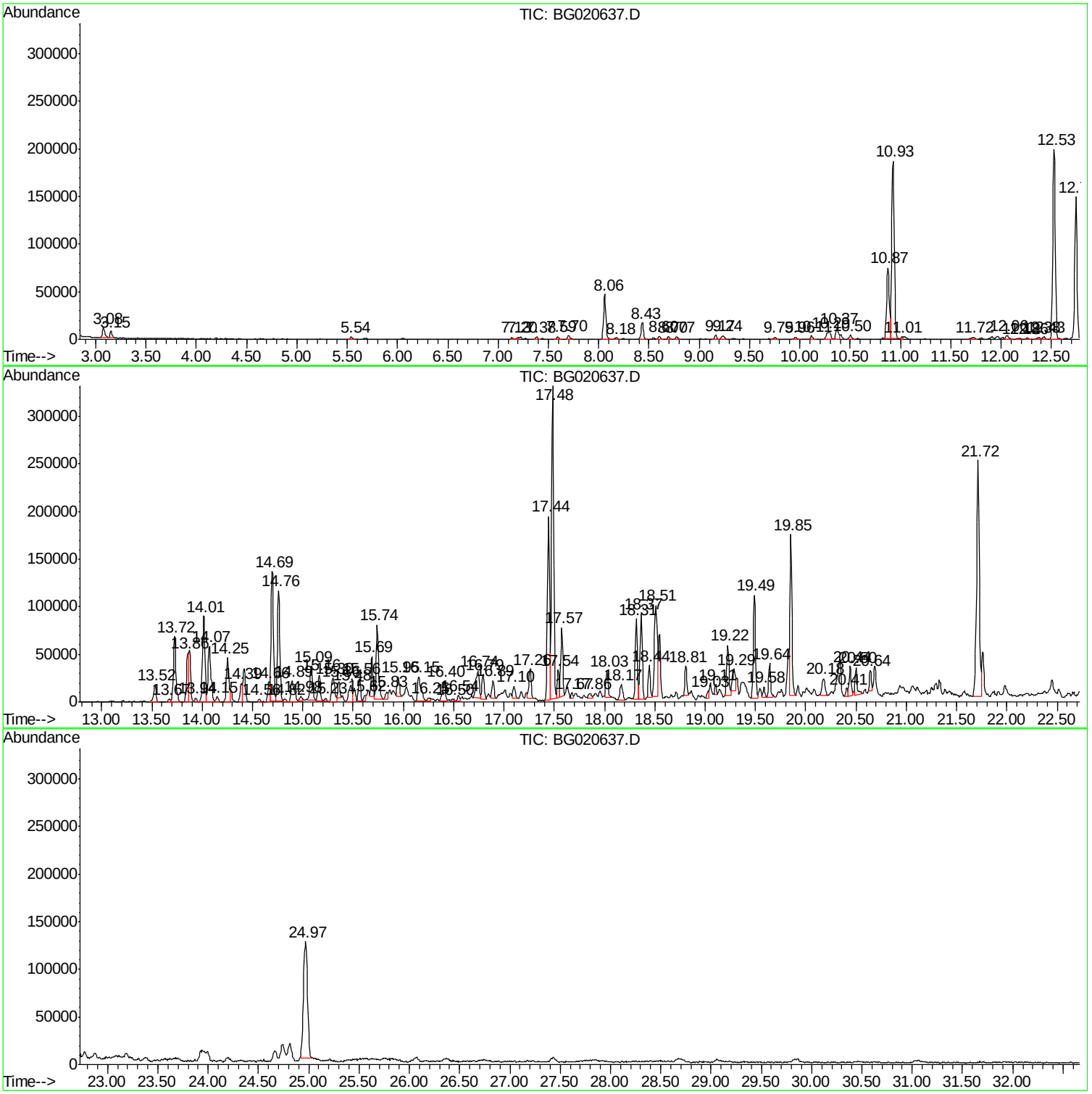
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D88MEDL

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 : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

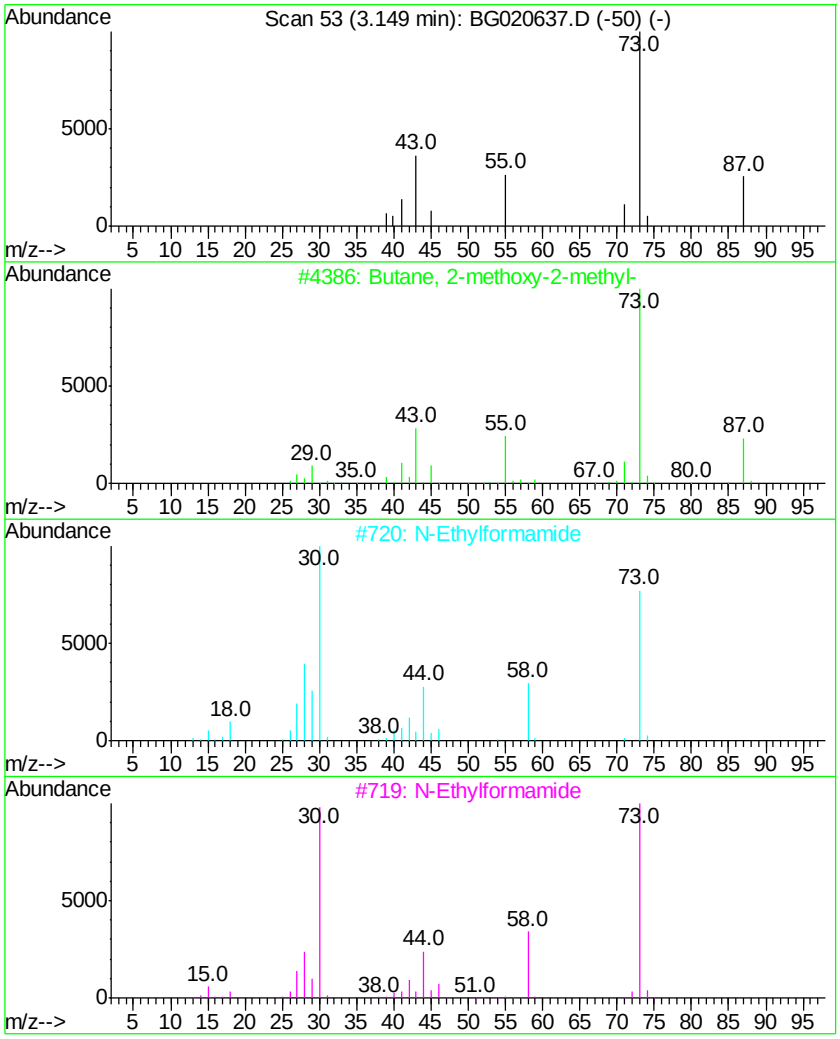
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

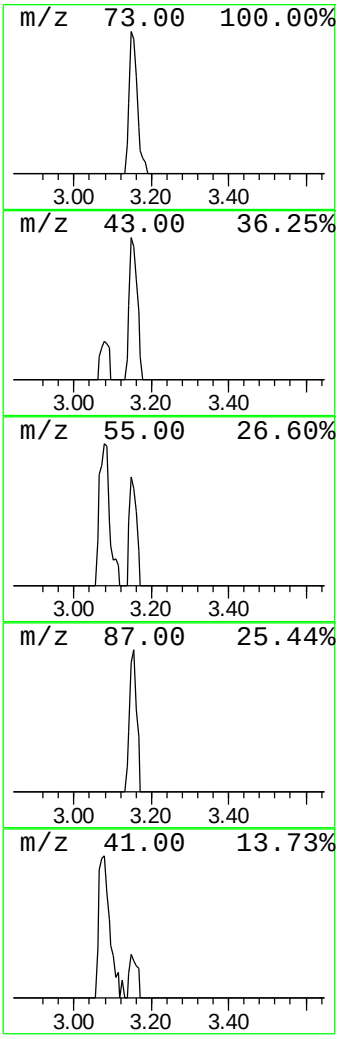
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	2.21 ng/ul	8939	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2	N-Ethylformamide	73	C3H7NO	000627-45-2	5
3	N-Ethylformamide	73	C3H7NO	000627-45-2	4
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	4
5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

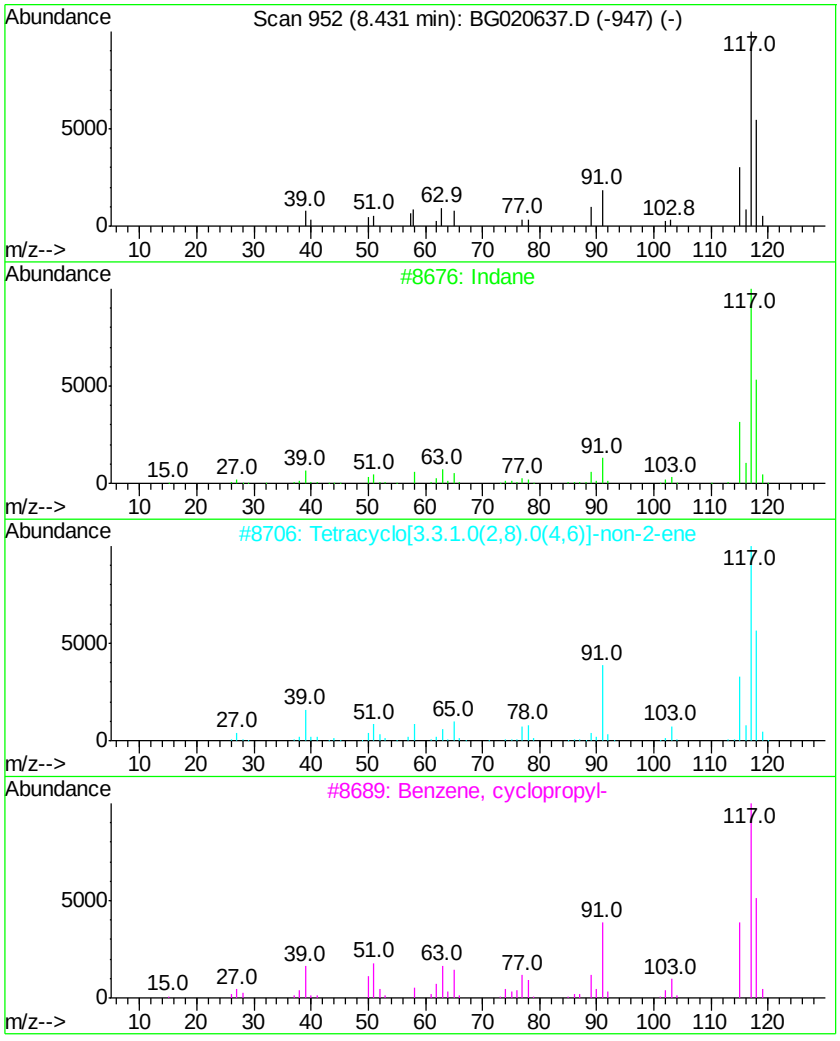
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

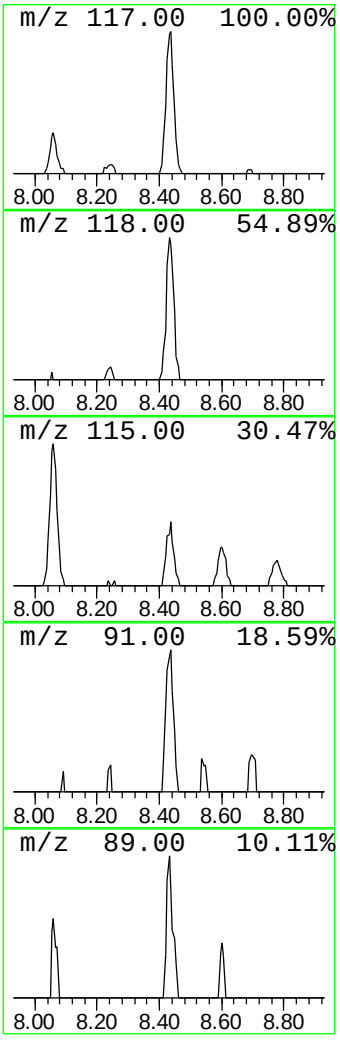
****

Peak Number 3 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	7.09 ng/ul	28671	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

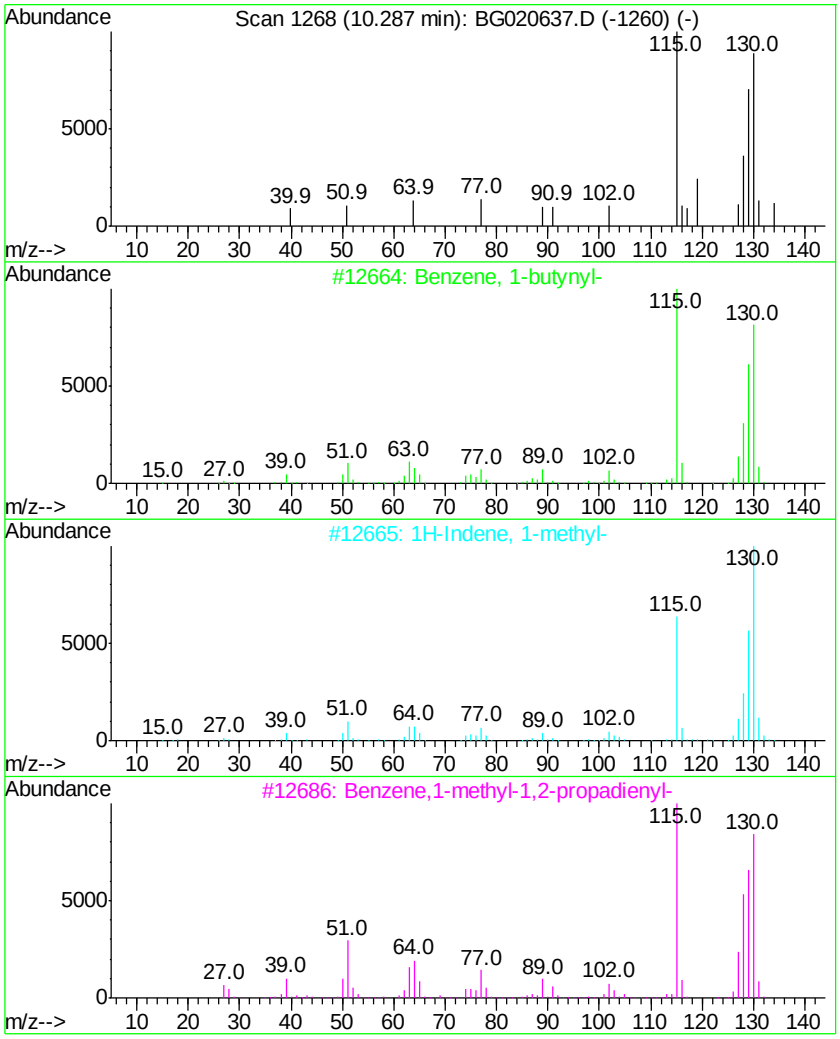
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

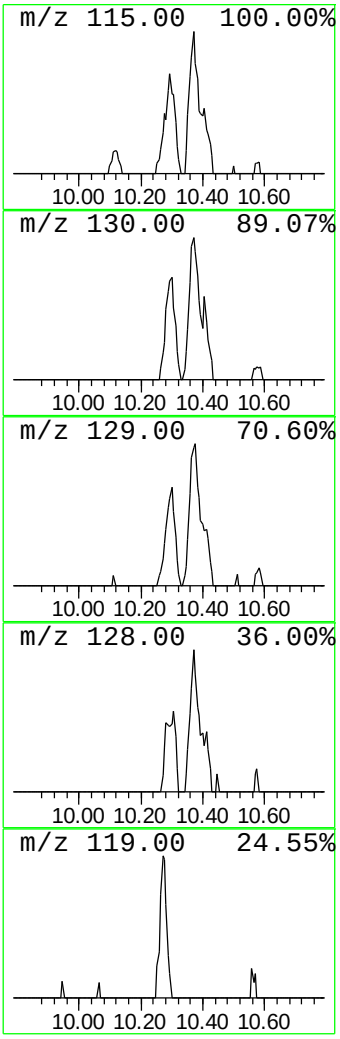
****

Peak Number 4 Benzene, 1-butynyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	3.42 ng/ul	22785	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	81
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	81
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	76
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	76
5	2-Methylindene	130	C10H10	002177-47-1	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

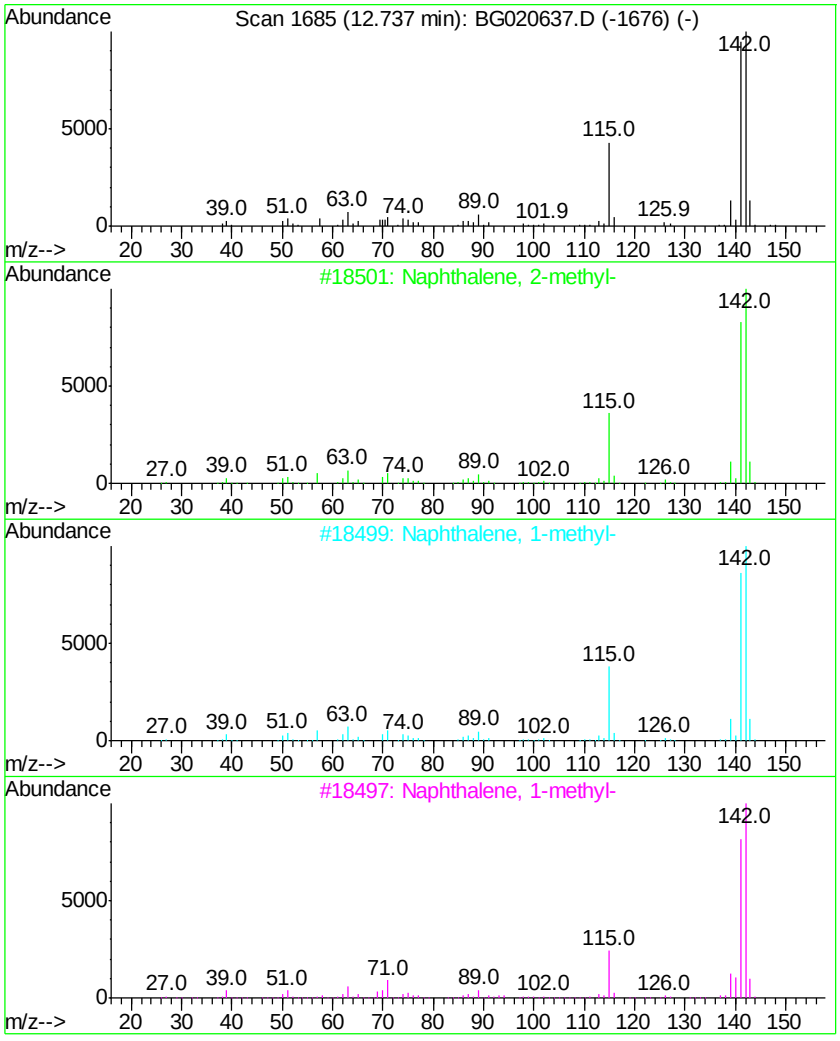
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

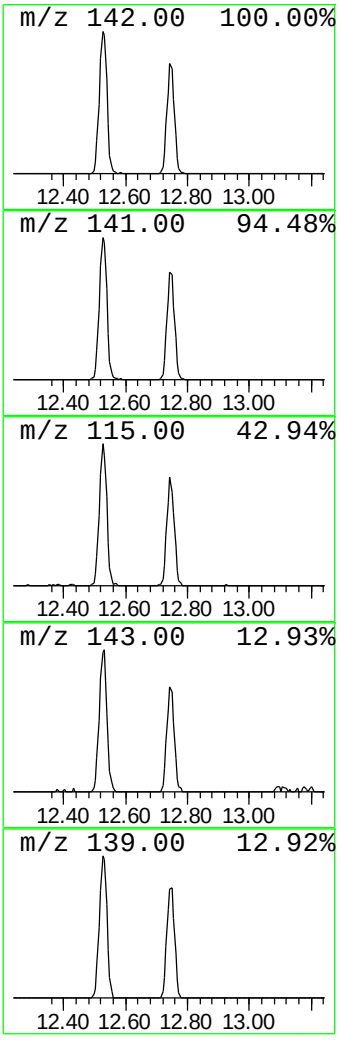
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	37.61 ng/ul	250369	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

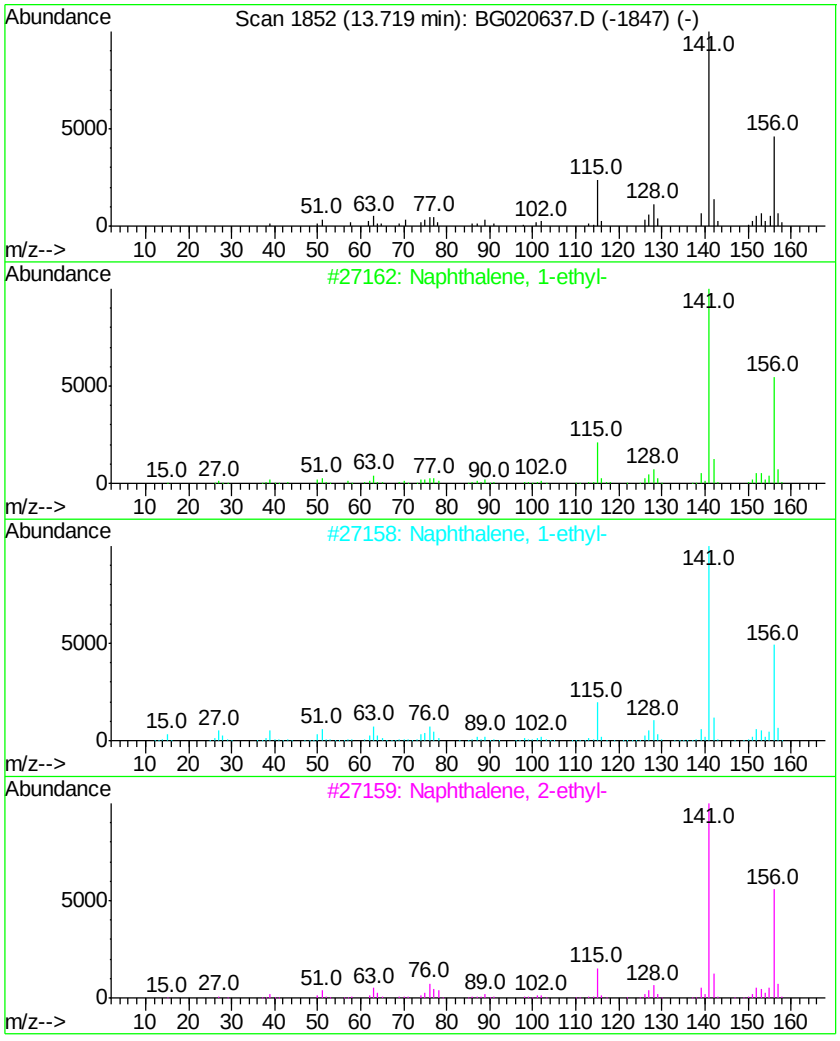
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

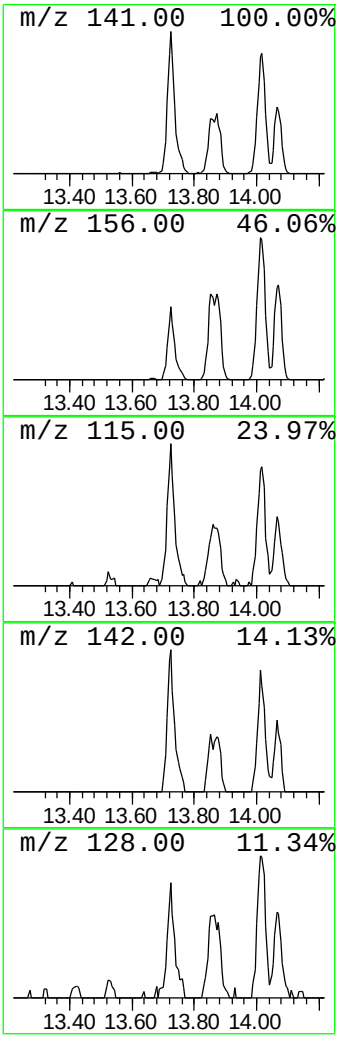
****

Peak Number 7 Naphthalene, 1-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	10.26 ng/ul	115958	Acenaphthene-d10	14.69

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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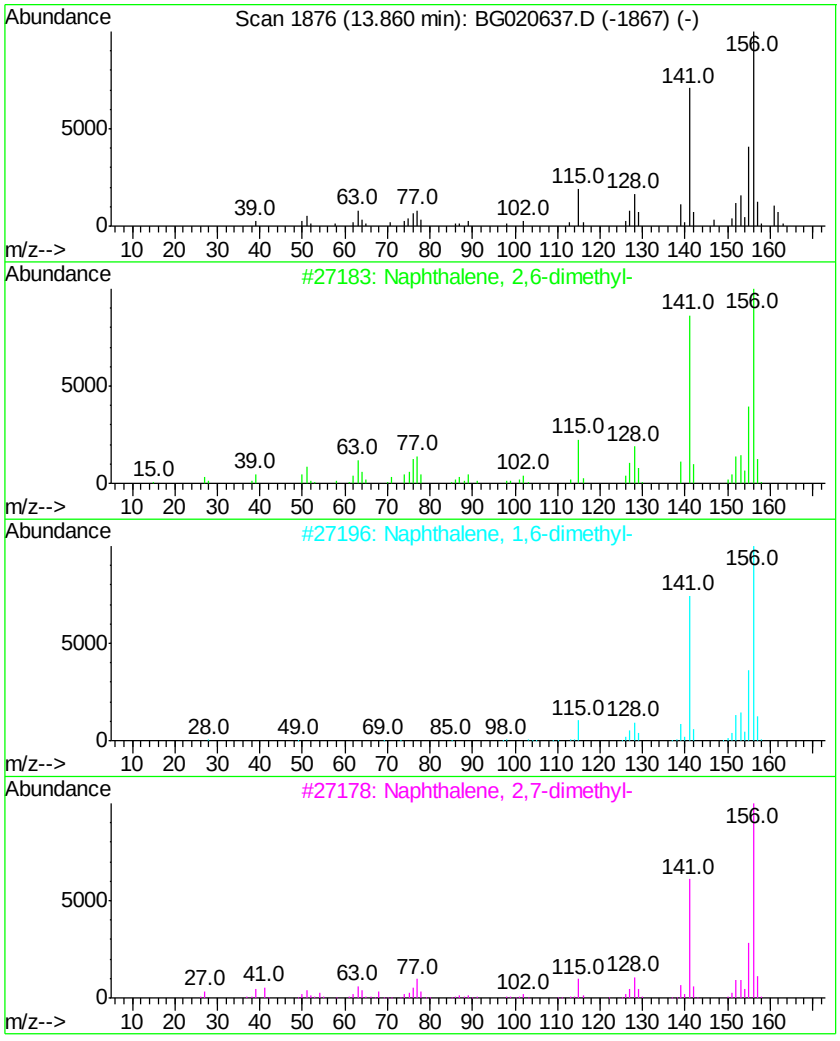
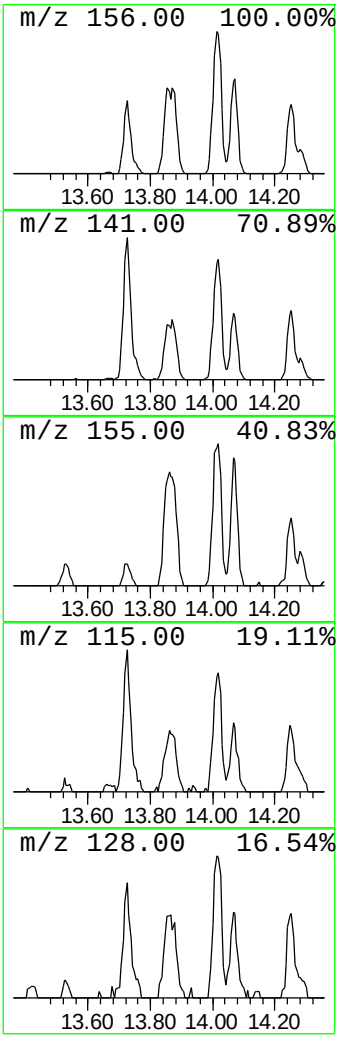
Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	7.32 ng/ul	82678	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





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Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

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

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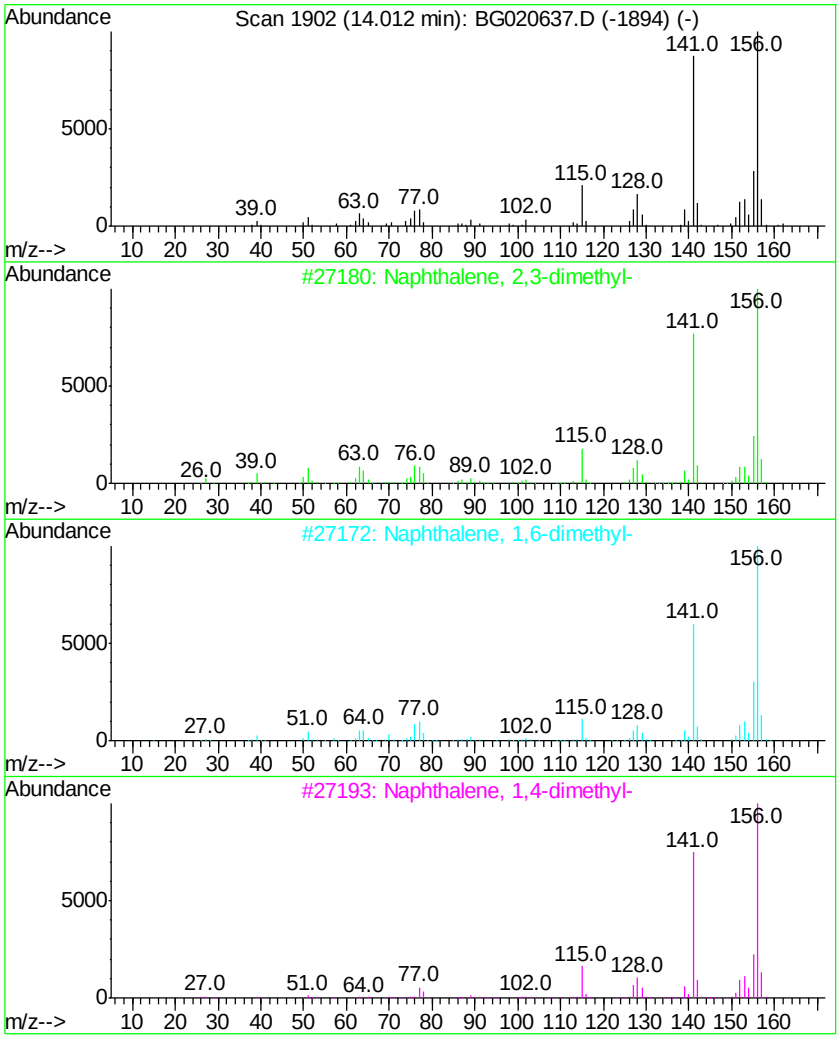
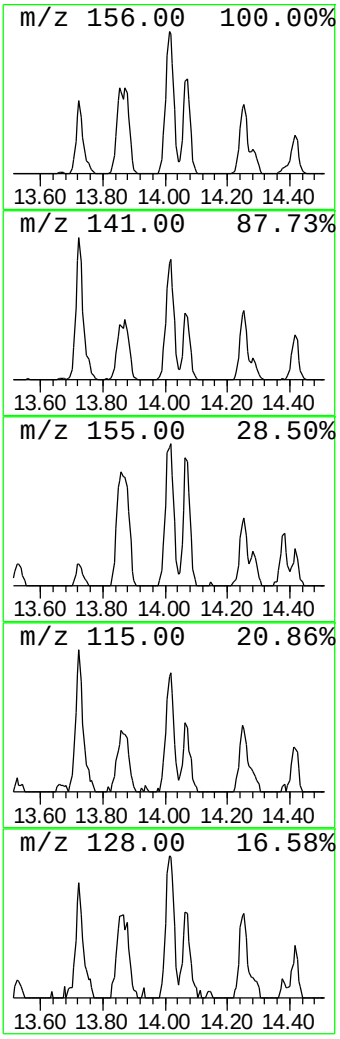
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	14.67 ng/ul	165763	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

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Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

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

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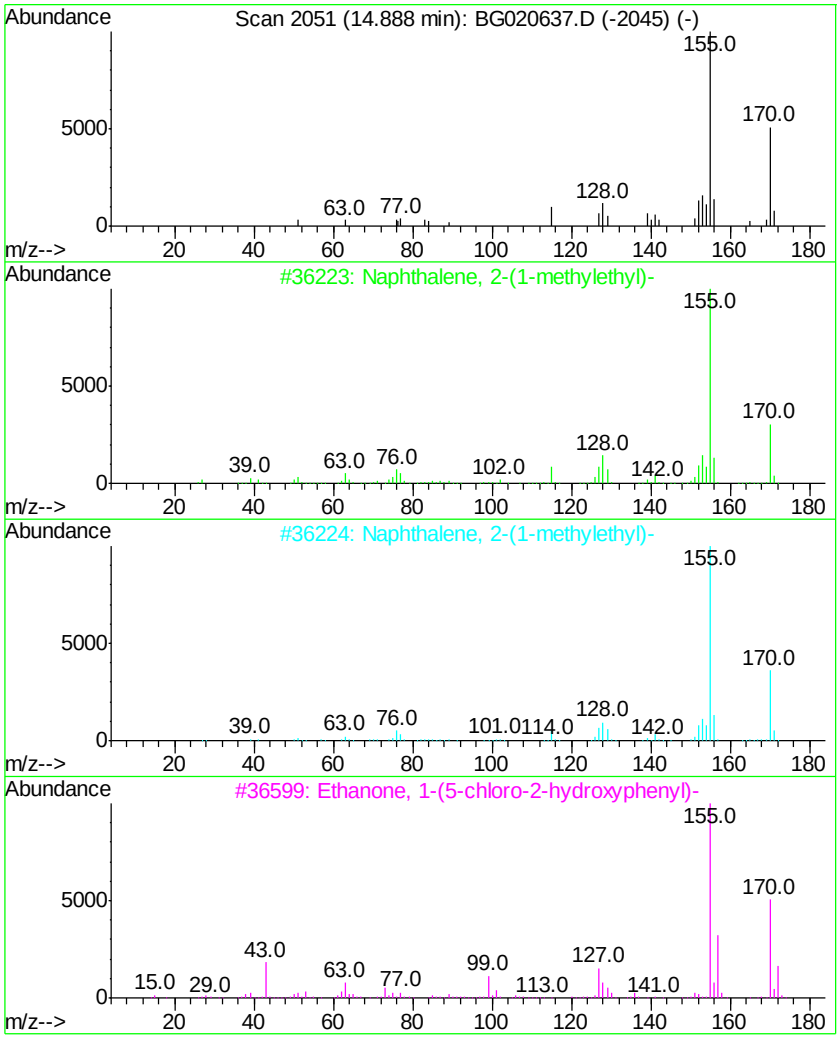
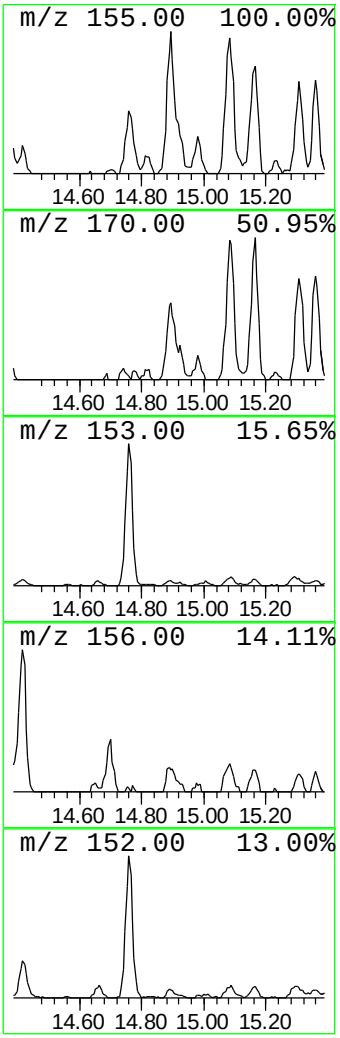
Peak Number 11 Naphthalene, 2-(1-methyleth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4.56 ng/ul	51583	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	80
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	76
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	76





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Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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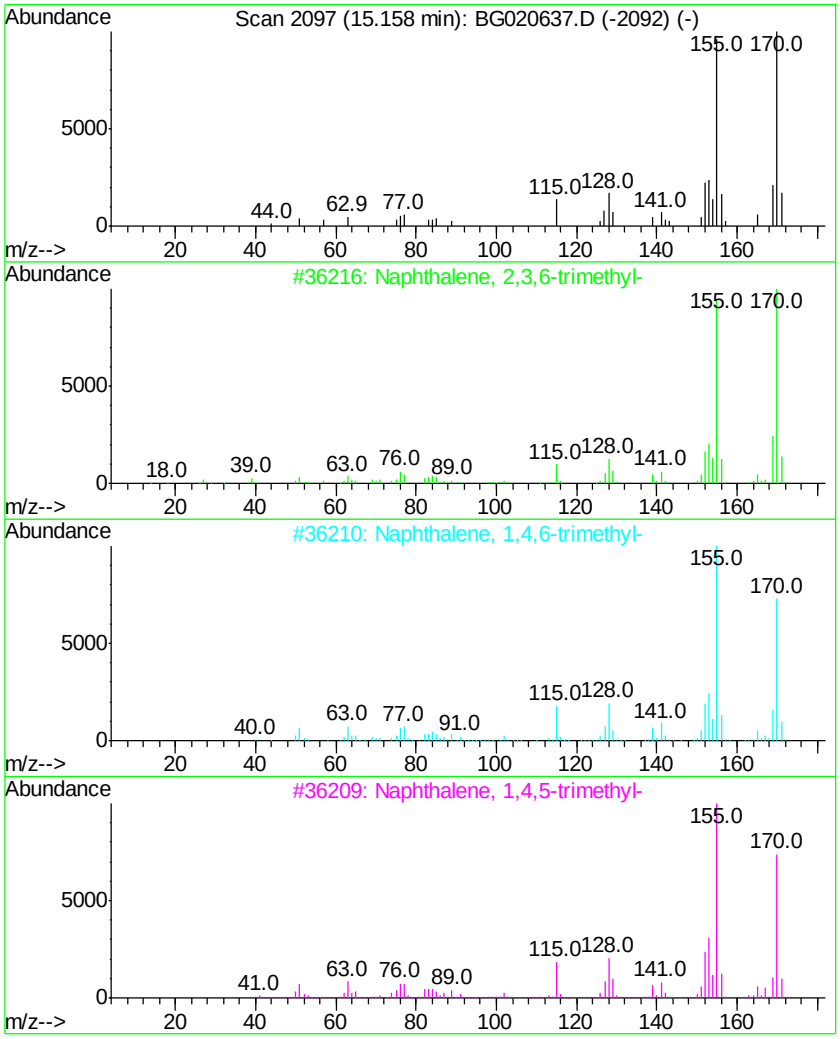
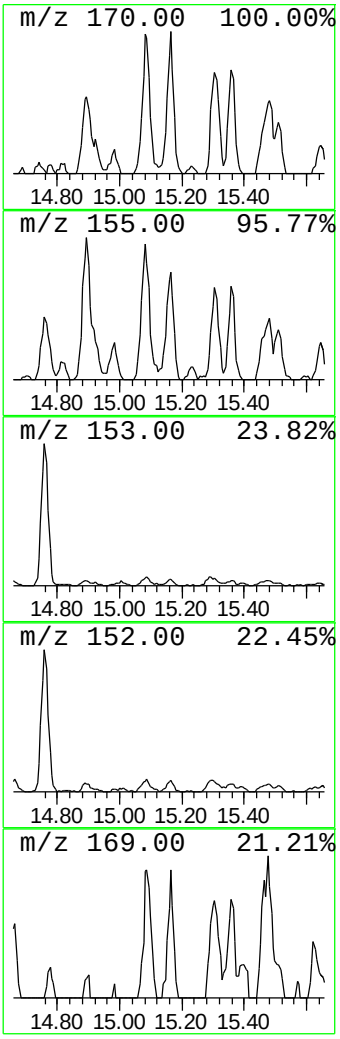
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	3.58 ng/ul	40462	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	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





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Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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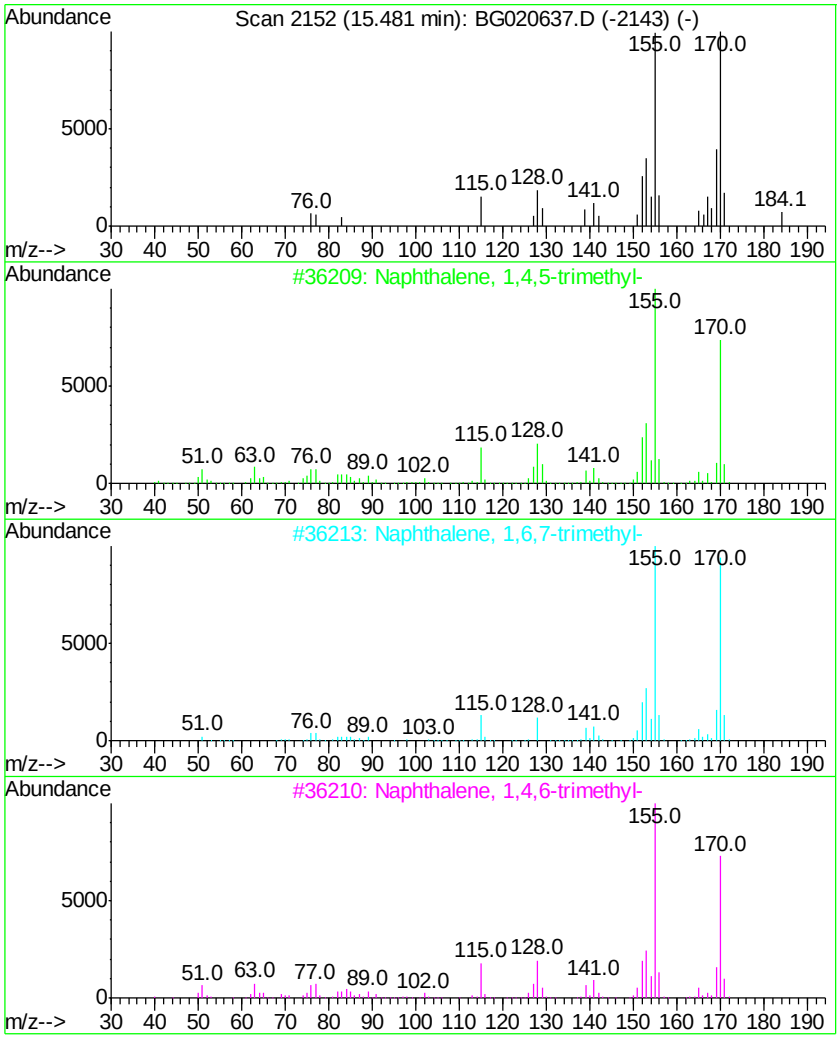
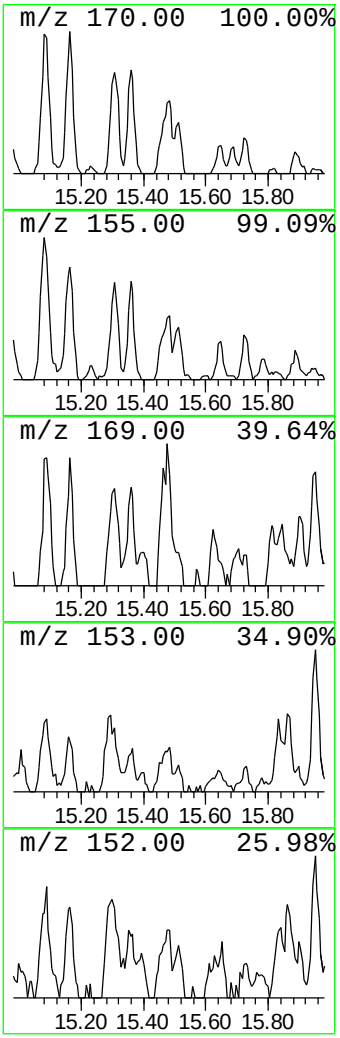
Peak Number 14 Naphthalene, 1,4,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	3.51 ng/ul	39653	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

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

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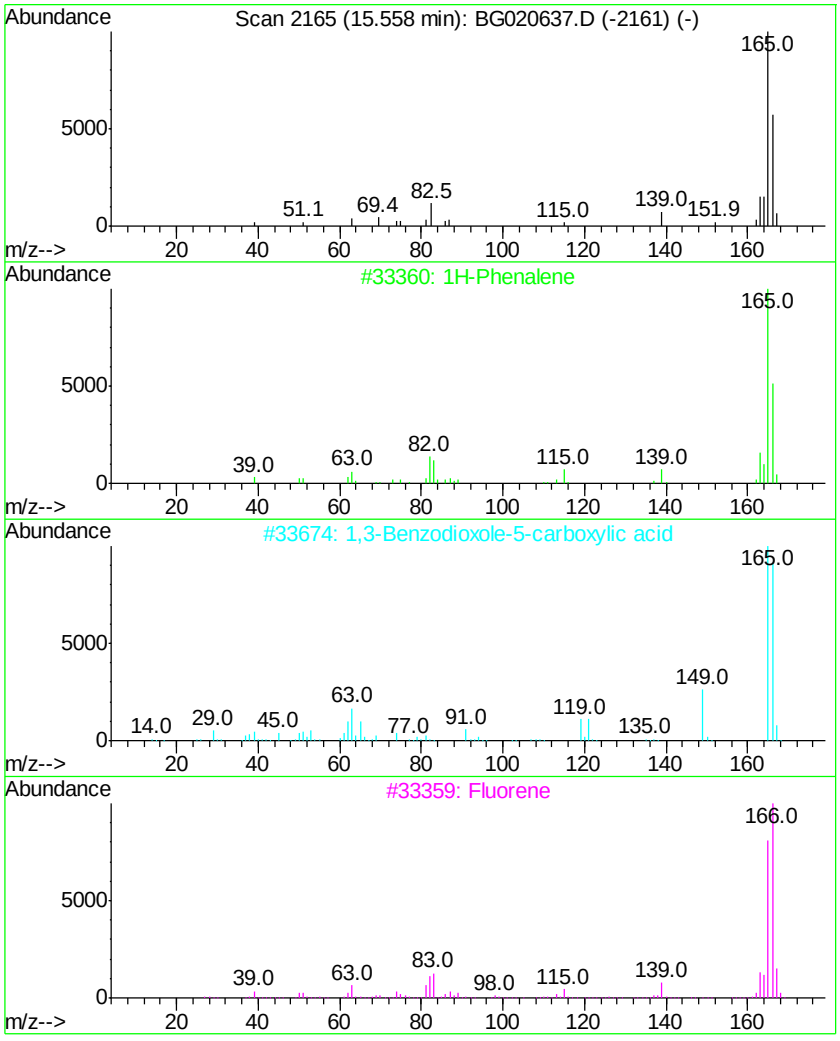
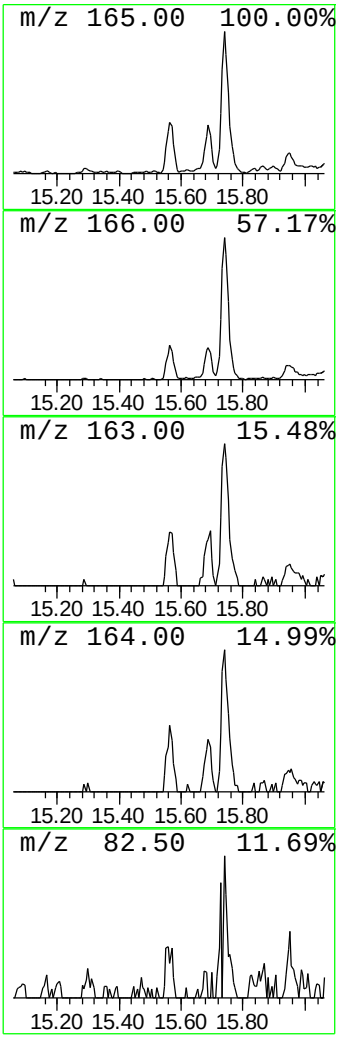
Peak Number 15 1H-Phenalene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	2.95 ng/ul	33305	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	86
2	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	64
3	Fluorene	166	C13H10	000086-73-7	52
4	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	50
5	Fluorene	166	C13H10	000086-73-7	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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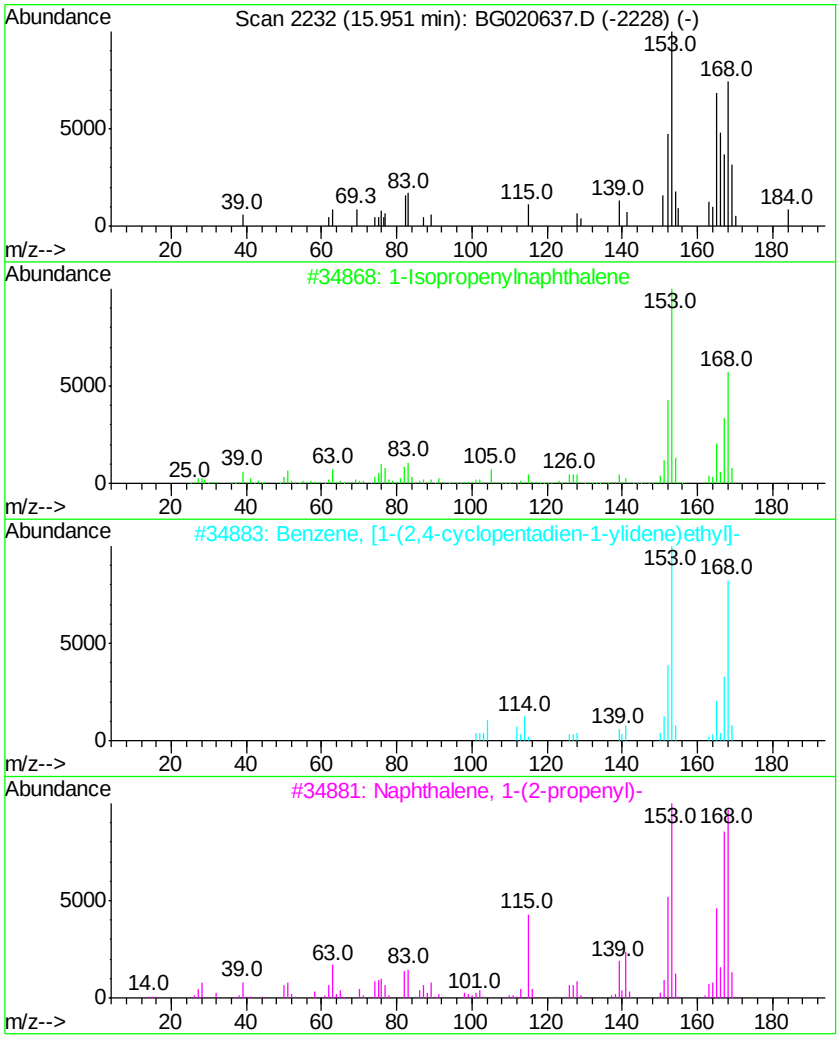
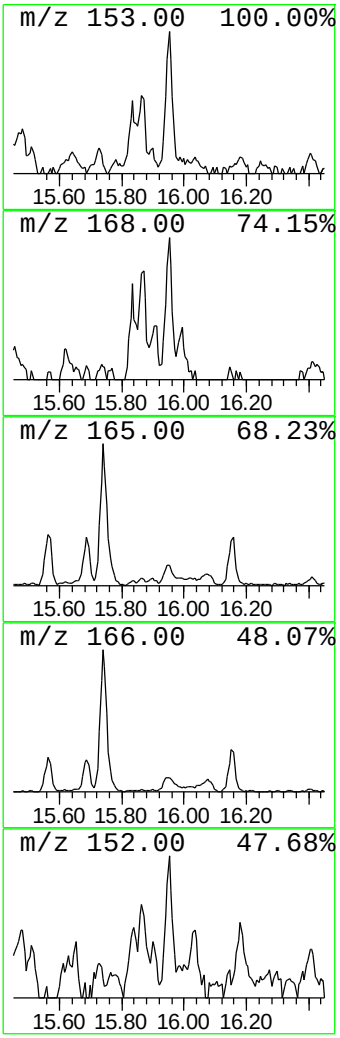
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	2.69 ng/ul	30412	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	70
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
4	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	49
5	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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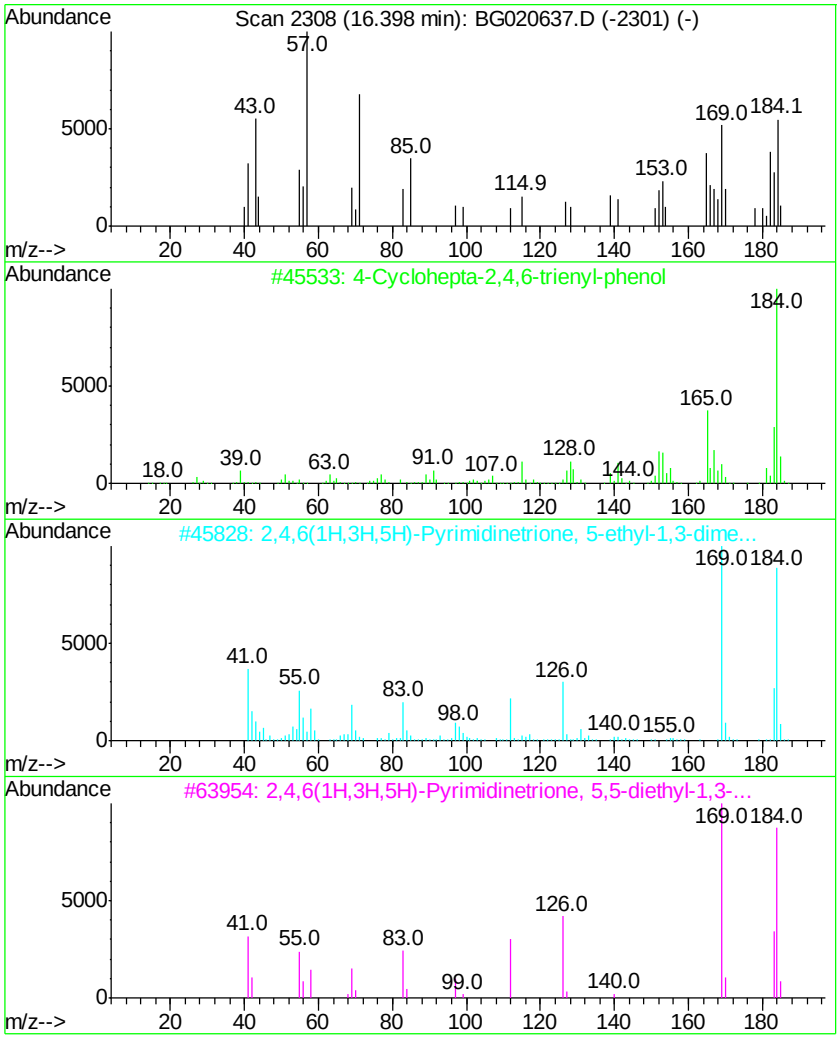
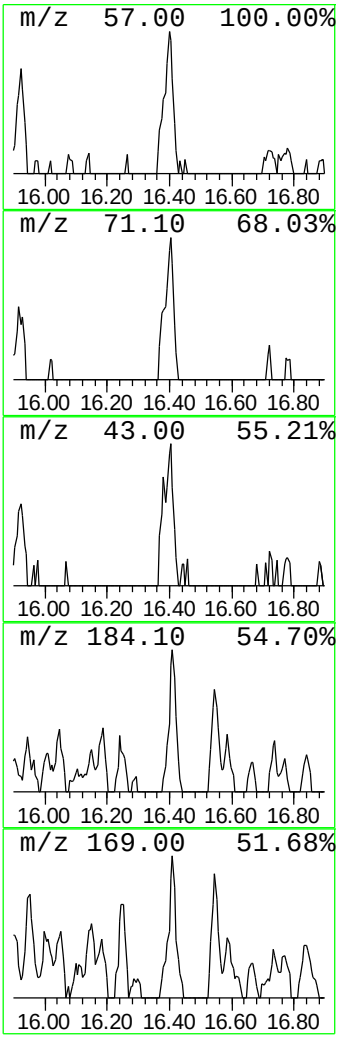
Peak Number 18 4-Cyclohepta-2,4,6-trienyl-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	2.60 ng/ul	38874	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	55
2	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	47
3	2,4,6(1H,3H,5H)-Pyrimidinetrione...	212	C10H16N2O3	000714-59-0	47
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	46
5	[1,1'-Biphenyl]-4-methanol	184	C13H12O	003597-91-9	45





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Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

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

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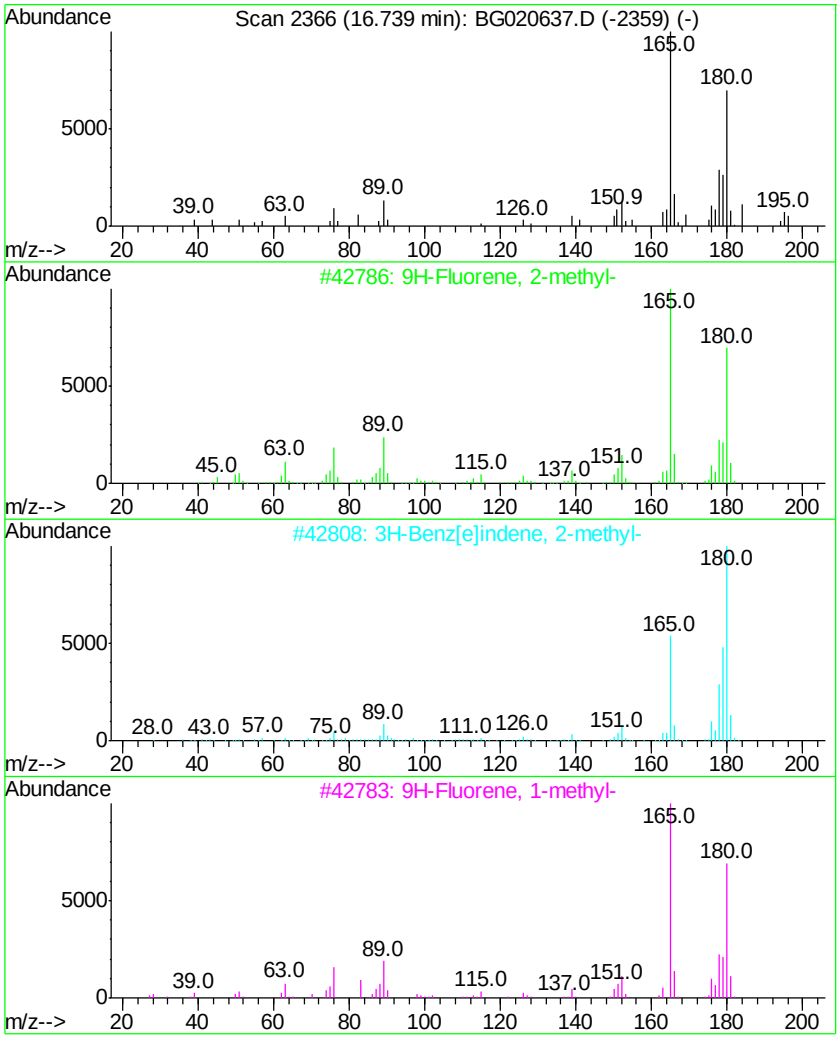
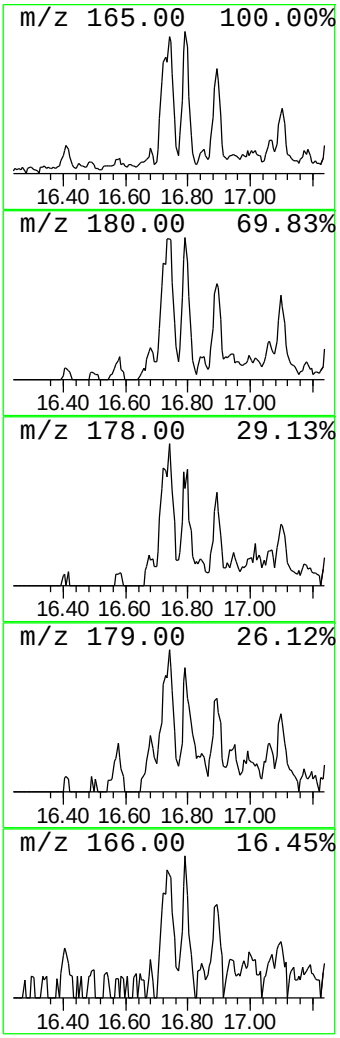
Peak Number 19 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	4.58 ng/ul	68458	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	91
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





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Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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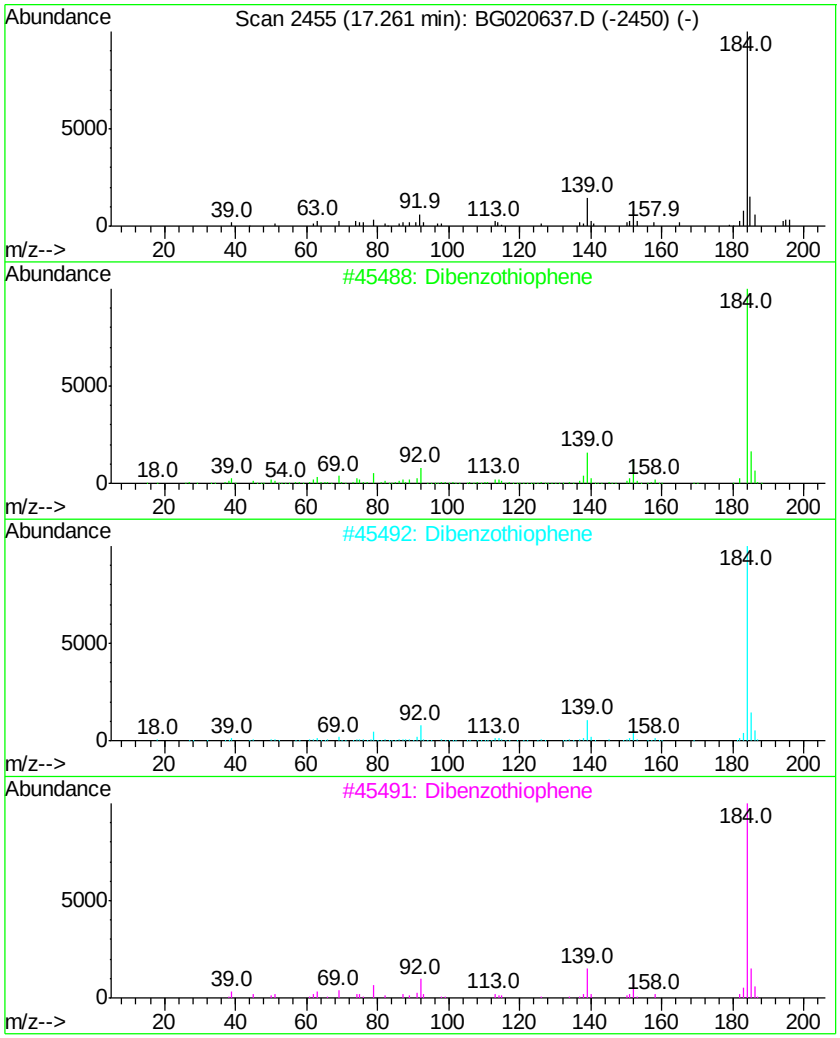
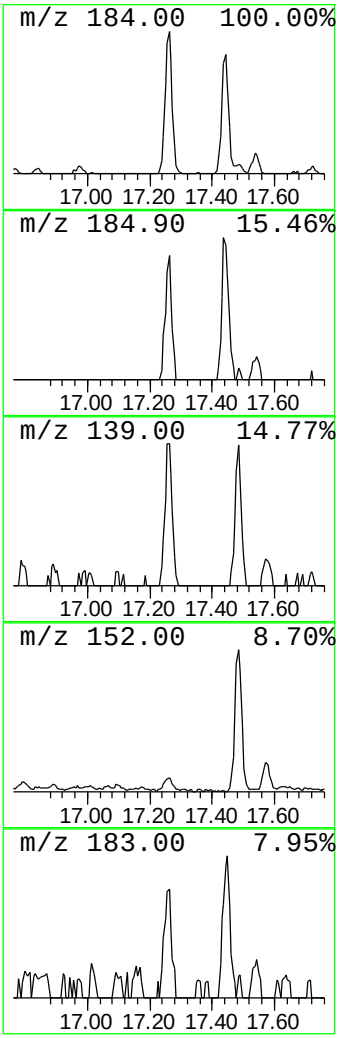
Peak Number 21 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	3.42 ng/ul	51157	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	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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

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

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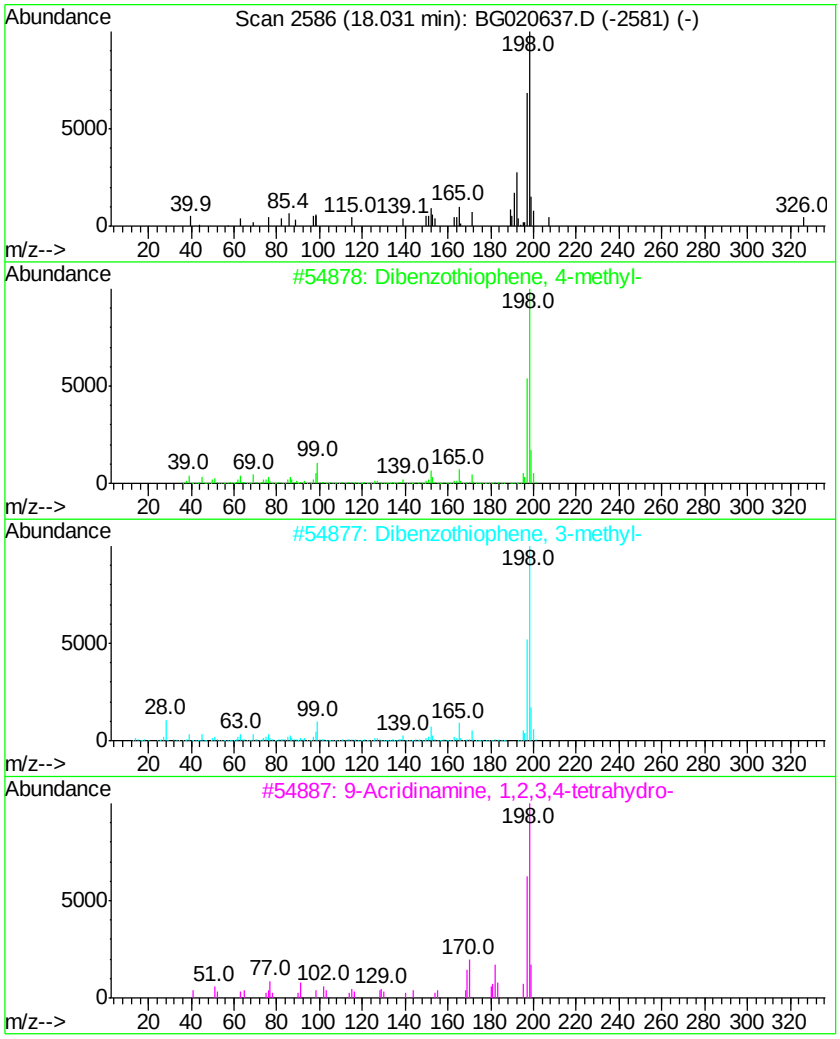
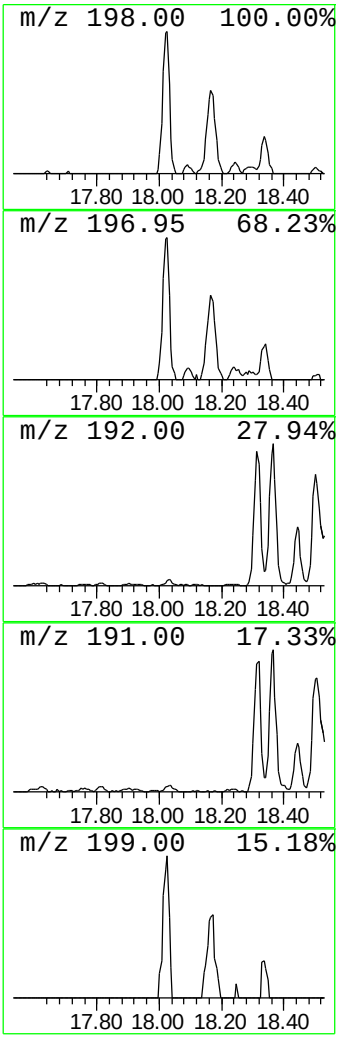
Peak Number 22 Dibenzothiophene, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	2.59 ng/ul	38725	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	80
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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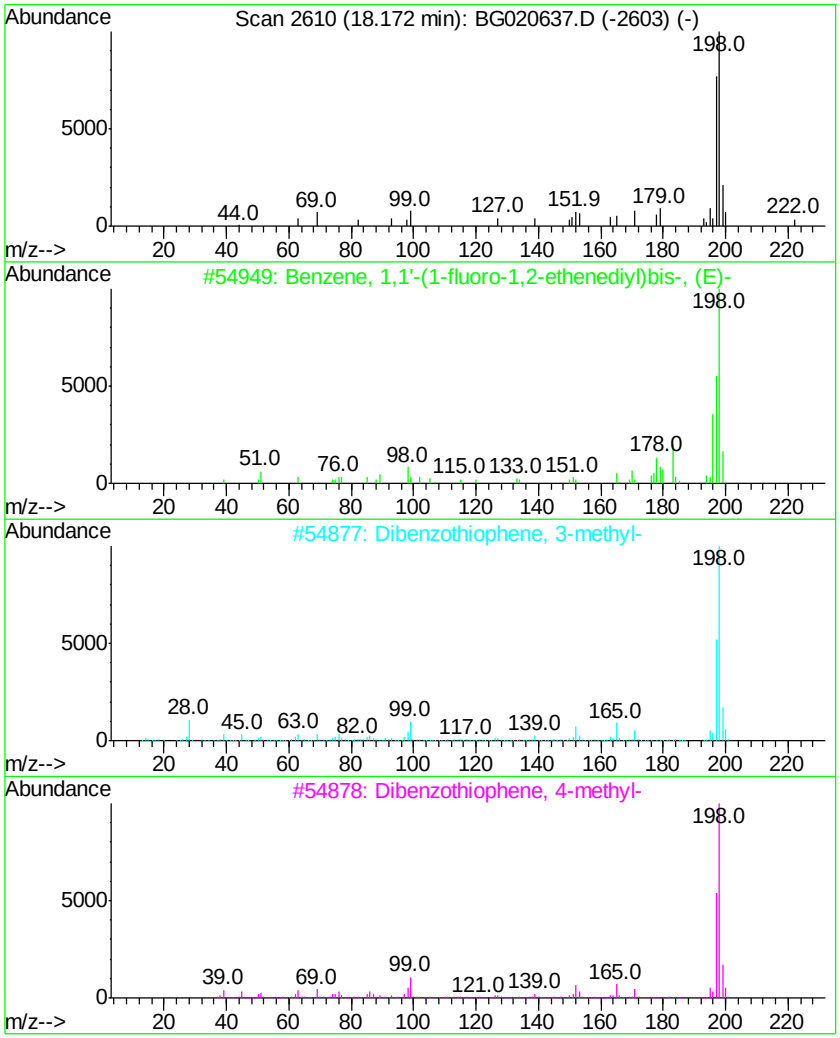
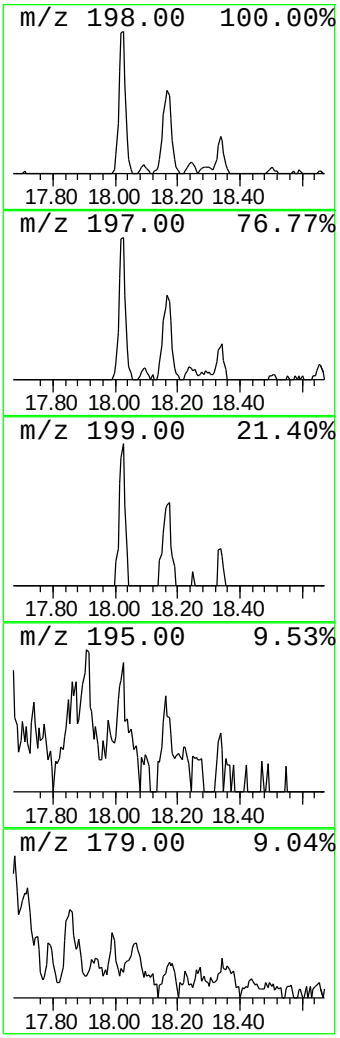
Peak Number 23 Benzene, 1,1'-(1-fluoro-1,2... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.05 ng/ul	30686	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	86
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	80
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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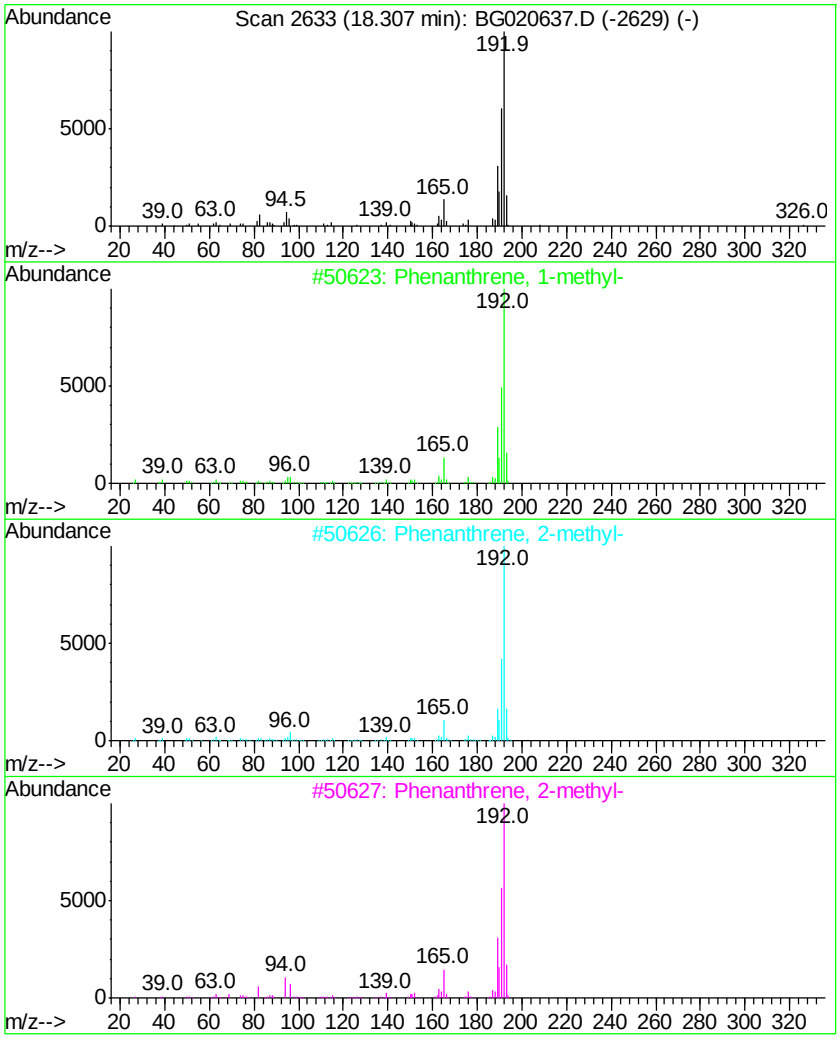
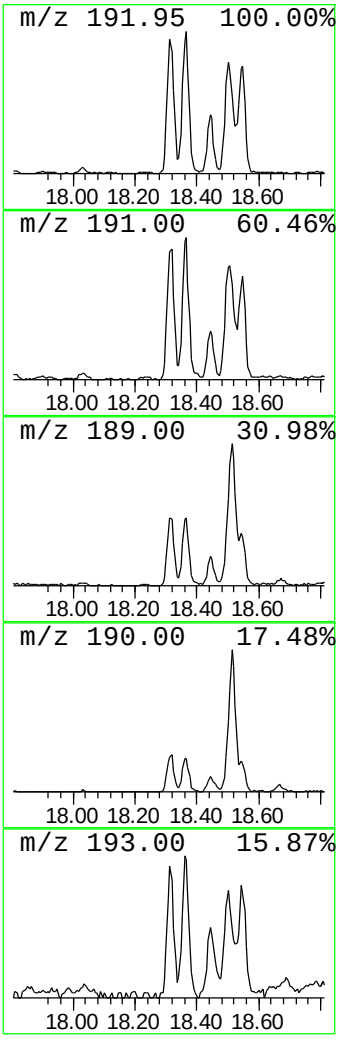
Peak Number 24 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	8.75 ng/ul	130673	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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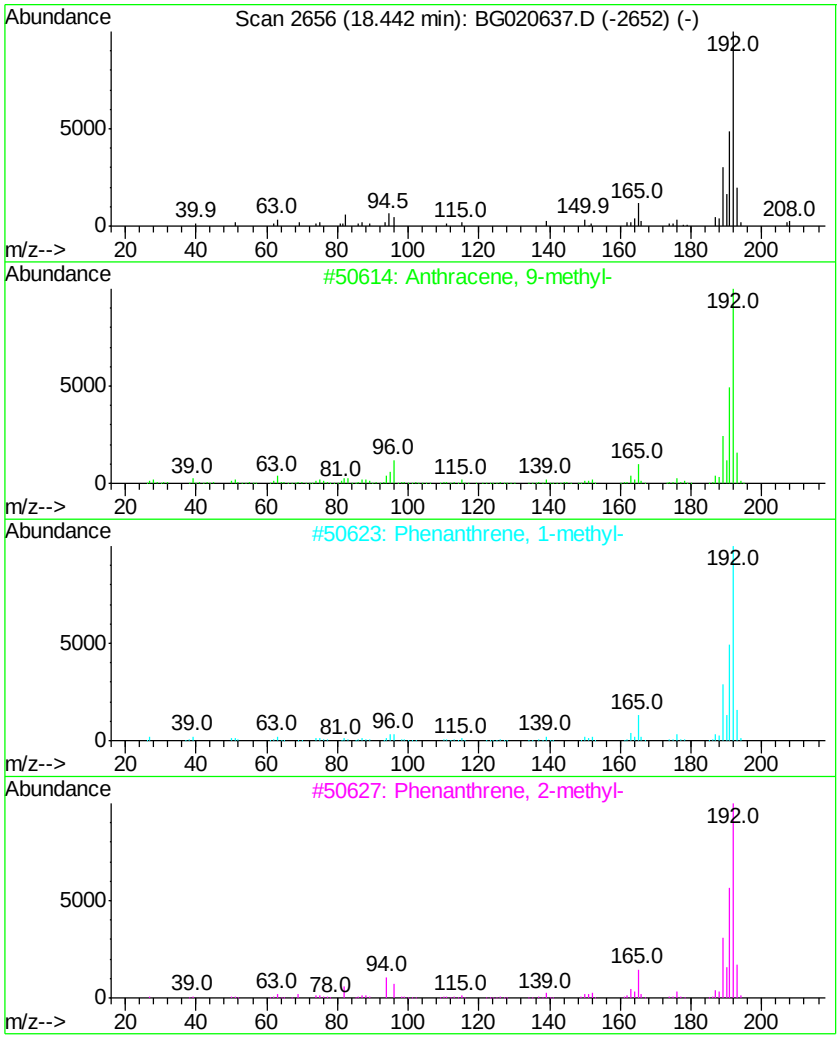
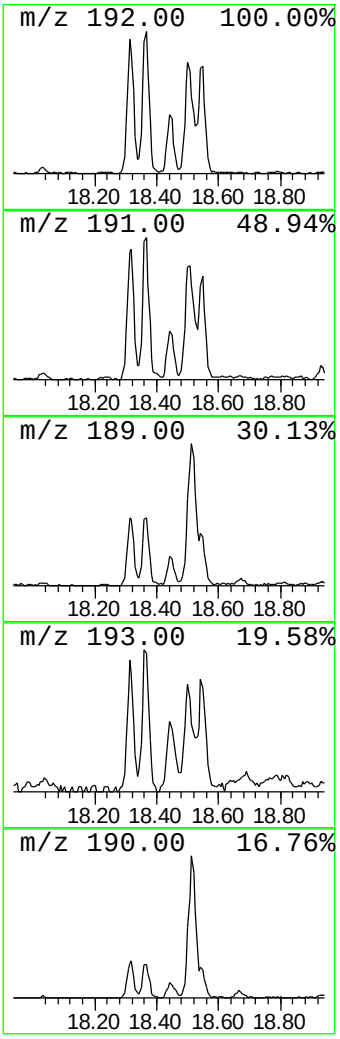
Peak Number 26 Anthracene, 9-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	3.22 ng/ul	48150	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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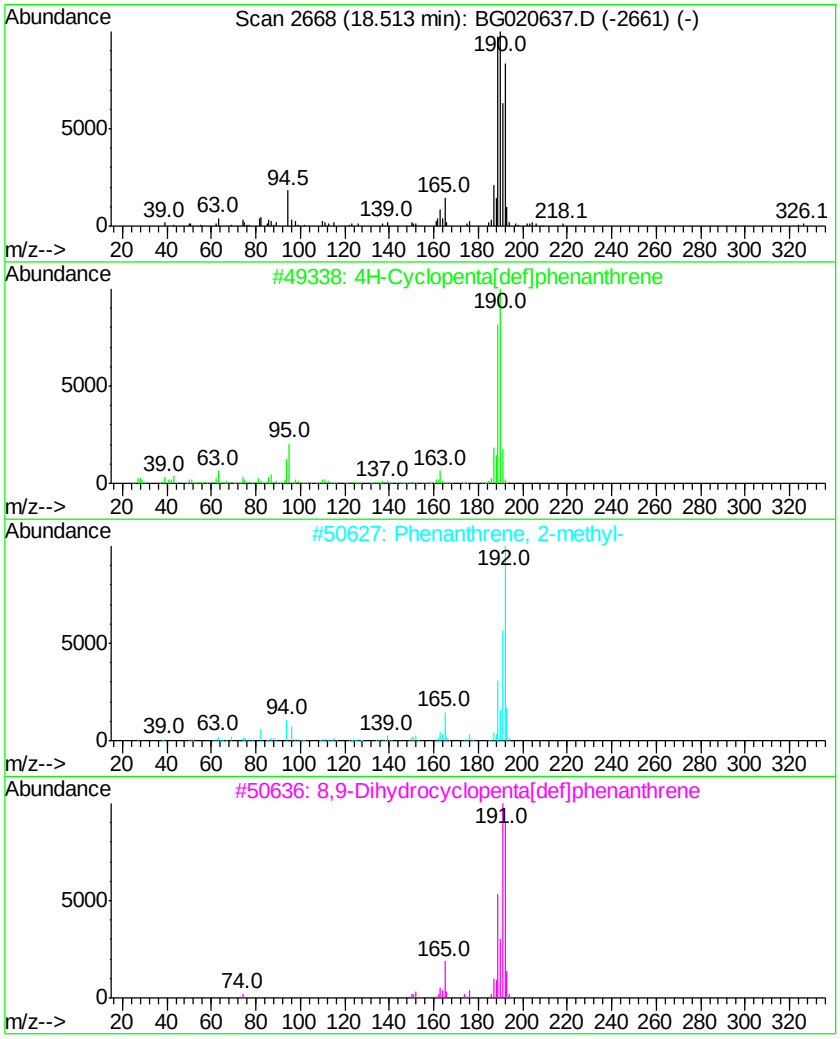
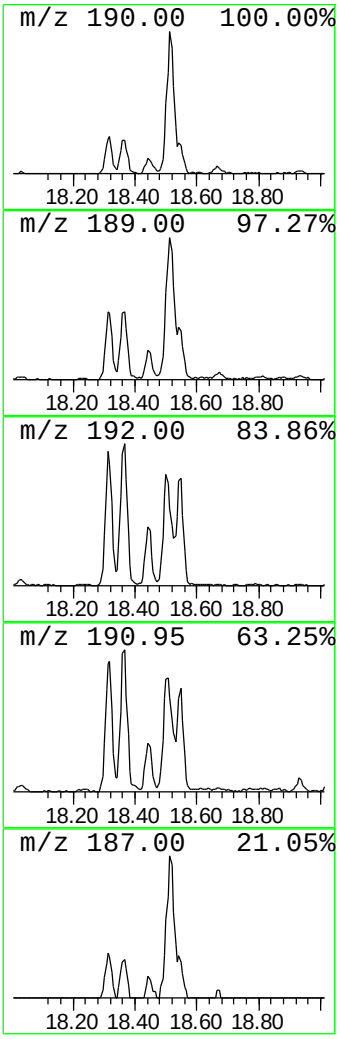
Peak Number 27 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	12.90 ng/ul	192727	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	51
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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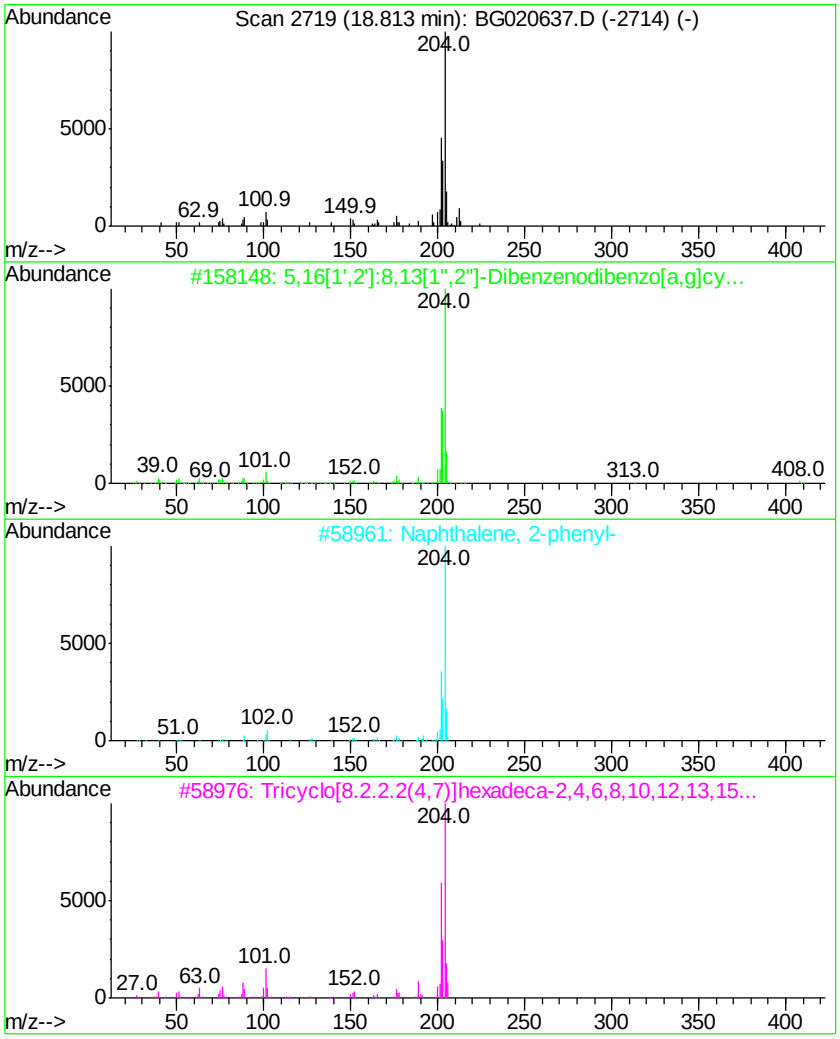
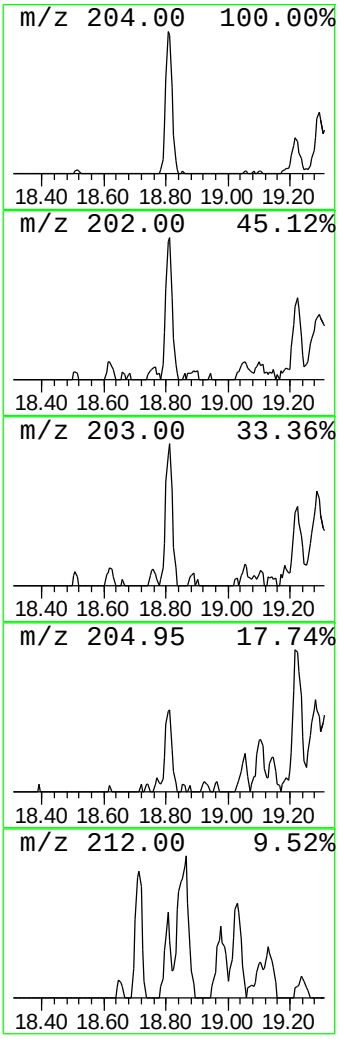
Peak Number 28 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.90 ng/ul	43320	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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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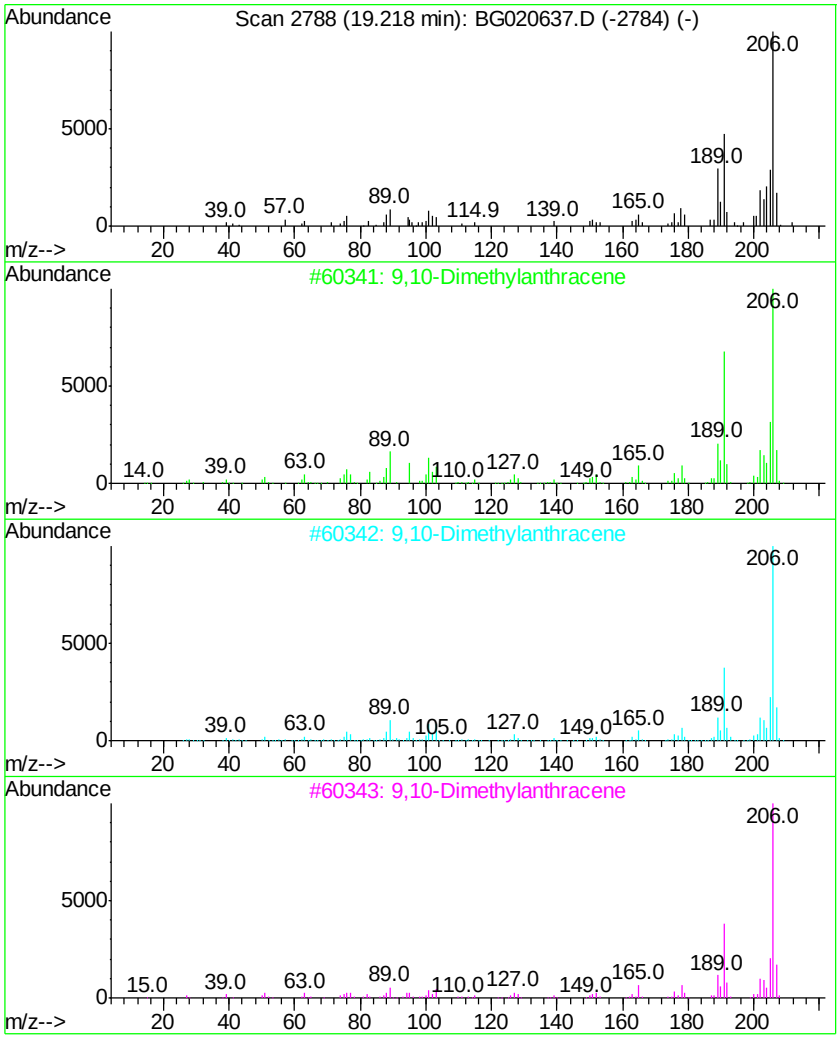
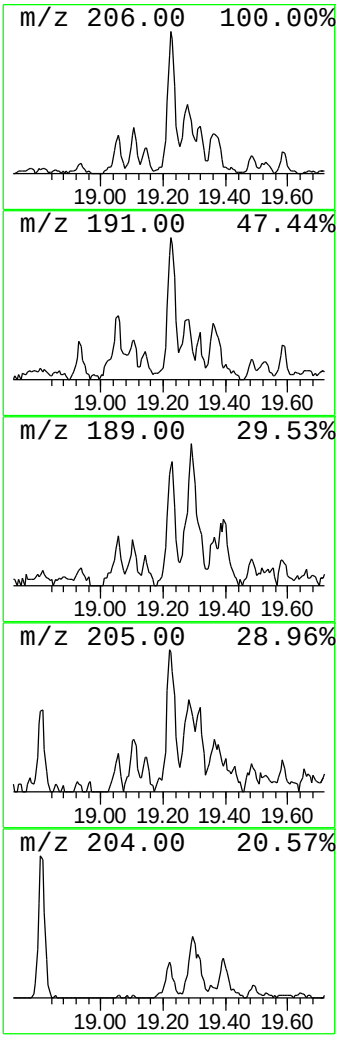
Peak Number 29 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	5.65 ng/ul	84351	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020637.D
Acq On : 31 Dec 2015 12:01
Operator : UM/SJ
Sample : G4802-13MEDL 10X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88MEDL

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
Butane, 2-methoxy...	3.15	2.2	ng/ul	8939	1	8.06	80867	20.0
Indane	8.43	7.1	ng/ul	28671	1	8.06	80867	20.0
Benzene, 1-butynyl-	10.29	3.4	ng/ul	22785	2	10.87	133150	20.0
Naphthalene, 1-me...	12.74	37.6	ng/ul	250369	2	10.87	133150	20.0
Naphthalene, 1-et...	13.72	10.3	ng/ul	115958	3	14.69	226046	20.0
Naphthalene, 2,6-...	13.86	7.3	ng/ul	82678	3	14.69	226046	20.0
Naphthalene, 2,3-...	14.01	14.7	ng/ul	165763	3	14.69	226046	20.0
Naphthalene, 2-(1...	14.89	4.6	ng/ul	51583	3	14.69	226046	20.0
Naphthalene, 2,3,...	15.16	3.6	ng/ul	40462	3	14.69	226046	20.0
Naphthalene, 1,4,...	15.48	3.5	ng/ul	39653	3	14.69	226046	20.0
1H-Phenalene	15.56	3.0	ng/ul	33305	3	14.69	226046	20.0
1-Isopropenylnaph...	15.95	2.7	ng/ul	30412	3	14.69	226046	20.0
4-Cyclohepta-2,4,...	16.40	2.6	ng/ul	38874	4	17.44	298760	20.0
9H-Fluorene, 2-me...	16.74	4.6	ng/ul	68458	4	17.44	298760	20.0
Dibenzothiophene	17.26	3.4	ng/ul	51157	4	17.44	298760	20.0
Dibenzothiophene,...	18.03	2.6	ng/ul	38725	4	17.44	298760	20.0
Benzene, 1,1'-(1-...	18.17	2.0	ng/ul	30686	4	17.44	298760	20.0
Phenanthrene, 1-m...	18.31	8.8	ng/ul	130673	4	17.44	298760	20.0
Anthracene, 9-met...	18.44	3.2	ng/ul	48150	4	17.44	298760	20.0
4H-Cyclopenta[def...	18.51	12.9	ng/ul	192727	4	17.44	298760	20.0
5,16[1',2']:8,13[...	18.81	2.9	ng/ul	43320	4	17.44	298760	20.0
9,10-Dimethylanth...	19.22	5.7	ng/ul	84351	4	17.44	298760	20.0