LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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	3.075	34	40	49	rBV2	51751	108435	2.85%	0.196%
2	3.152	49	53	65	rVB	75600	117363	3.08%	0.213%
3	7.211	736	744	751	rVV2	48118	135022	3.54%	0.245%
4	7.699	822	827	837	rVB2	62887	118277	3.10%	0.214%
5	8.058	882	888	900	rBV2	68719	130126	3.42%	0.236%
6	8.434	945	952	960	rBV	199981	342988	9.00%	0.621%
7	9.162	1070	1076	1081	rBV	57842	91107	2.39%	0.165%
8	9.233	1082	1088	1100	rVB2	54038	126322	3.32%	0.229%
9	10.114	1233	1238	1247	rVB	59246	101475	2.66%	0.184%
10	10.296	1258	1269	1276	rBV4	97500	316363	8.30%	0.573%
11	10.367	1276	1281	1287	rBV	123414	272916	7.16%	0.494%
12	10.502	1298	1304	1310	rVB2	78026	138257	3.63%	0.250%
13	10.878	1363	1368	1371	rVV	81476	153208	4.02%	0.277%
14	10.937	1371	1378	1385	rVB	1643887	3166419	83.10%	5.734%
15	11.013	1385	1391	1395	rBV2	50207	97624	2.56%	0.177%
16	11.718	1502	1511	1517	rVV	32879	90299	2.37%	0.164%
17	11.971	1548	1554	1558	rVV2	43527	109388	2.87%	0.198%
18	12.059	1565	1569	1582	rVB2	56602	116524	3.06%	0.211%
19	12.541	1639	1651	1658	rBV	1811731	3126676	82.06%	5.662%
20	12.758	1677	1688	1696	rBV	1380585	2409013	63.22%	4.362%
21	13.528	1812	1819	1825	rBV	193518	306949	8.06%	0.556%
22	13.727	1847	1853	1865	rVB	635561	1165781	30.60%	2.111%
23	13.874	1867	1878	1885	rBV3	514594	1408672	36.97%	2.551%
24	14.021	1895	1903	1908	rVV	848443	1596233	41.89%	2.891%
25	14.074	1908	1912	1920	rVV2	601991	1137124	29.84%	2.059%
26	14.150	1920	1925	1931	rVB3	71557	134124	3.52%	0.243%
27	14.256	1937	1943	1947	rBV	426647	721261	18.93%	1.306%
28	14.391	1959	1966	1968	rBV2	204310	359788	9.44%	0.652%
29	14.421	1968	1971	1982	rVB	337922	503926	13.23%	0.913%
30	14.662	2006	2012	2015	rBV	211968	337636	8.86%	0.611%
31	14.697	2015	2018	2023	rVV2	184445	284617	7.47%	0.515%
32	14.767	2023	2030	2036	rVV	1048977	1715217	45.01%	3.106%
33	14.897	2046	2052	2061	rBV	237496	559195	14.68%	1.013%
34	14.985	2062	2067	2070	rBV	55809	95265	2.50%	0.173%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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	15.085	2078	2084	2092	rVB2	310187	633621	16.63%	1.147%
36	15.167	2092	2098	2104	rVB	251221	383144	10.06%	0.694%
37	15.302	2114	2121	2127	rBV3	243304	556365	14.60%	1.007%
38	15.361	2127	2131	2135	rVB	167018	213450	5.60%	0.387%
39	15.478	2143	2151	2154	rBV3	169552	406729	10.67%	0.737%
40	15.514	2154	2157	2161	rVB2	141749	192335	5.05%	0.348%
41	15.566	2161	2166	2171	rBV	227100	332372	8.72%	0.602%
42	15.619	2171	2175	2177	rBV2	58256	91907	2.41%	0.166%
43	15.655	2178	2181	2183	rVV3	69924	90632	2.38%	0.164%
44	15.690	2183	2187	2191	rVB	390764	530368	13.92%	0.960%
45	15.749	2191	2197	2206	rVB	655677	1215804	31.91%	2.202%
46	15.837	2206	2212	2214	rBV4	92906	189136	4.96%	0.342%
47	15.948	2228	2231	2237	rVB	179216	258354	6.78%	0.468%
48	16.154	2260	2266	2278	rVB2	235415	586879	15.40%	1.063%
49	16.407	2300	2309	2315	rBV4	188548	385657	10.12%	0.698%
50	16.548	2328	2333	2336	rBV	61585	106096	2.78%	0.192%
51	16.741	2358	2366	2371	rBV2	247258	613987	16.11%	1.112%
52	16.794	2371	2375	2380	rVB	238572	351320	9.22%	0.636%
53	16.894	2387	2392	2397	rVB	168811	260617	6.84%	0.472%
54	17.100	2424	2427	2434	rVB2	106431	150984	3.96%	0.273%
55	17.170	2436	2439	2444	rVB3	68488	106841	2.80%	0.193%
56	17.259	2450	2454	2463	rVB	297783	497581	13.06%	0.901%
57	17.447	2480	2486	2488	rBV	221970	341009	8.95%	0.618%
58	17.499	2488	2495	2499	rVV	2298879	3810354	100.00%	6.900%
59	17.546	2499	2503	2505	rVV	237596	321820	8.45%	0.583%
60	17.582	2505	2509	2513	rVB	600181	822966	21.60%	1.490%
61	18.022	2580	2584	2590	rVB	245255	355419	9.33%	0.644%
62	18.169	2603	2609	2616	rVB	150639	300103	7.88%	0.543%
63	18.322	2629	2635	2639	rBV	718161	1128638	29.62%	2.044%
64	18.369	2639	2643	2649	rVV	778341	1131556	29.70%	2.049%
65	18.451	2652	2657	2662	rVV	297109	443947	11.65%	0.804%
66	18.516	2662	2668	2672	rVV2	846951	1790764	47.00%	3.243%
67	18.551	2672	2674	2679	rVB	575857	681247	17.88%	1.234%
68	18.810	2714	2718	2722	rBV	280420	377166	9.90%	0.683%
69	19.056	2757	2760	2764	rVB	124743	156286	4.10%	0.283%
70	19.103	2765	2768	2772	rBV	103637	120050	3.15%	0.217%
71	19.227	2784	2789	2794	rBV2	452374	756105	19.84%	1.369%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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	19.291	2794	2800	2803	rBV3	171960	361687	9.49%	0.655%
73	19.362	2808	2812	2815	rBV2	109379	194060	5.09%	0.351%
74	19.497	2829	2835	2840	rBV	863246	1313008	34.46%	2.378%
75	19.550	2841	2844	2847	rVV	78695	103981	2.73%	0.188%
76	19.585	2847	2850	2855	rVB2	100175	135190	3.55%	0.245%
77	19.644	2855	2860	2864	rBV	341584	476960	12.52%	0.864%
78	19.832	2887	2892	2893	rBV2	369751	528836	13.88%	0.958%
79	19.861	2893	2897	2903	rVB	1361369	2006583	52.66%	3.634%
80	19.920	2904	2907	2913	rVB	97346	151956	3.99%	0.275%
81	20.085	2931	2935	2941	rVB4	65048	112399	2.95%	0.204%
82	20.173	2945	2950	2959	rVB2	154478	362762	9.52%	0.657%
83	20.343	2970	2979	2986	rVB	361374	866184	22.73%	1.569%
84	20.408	2987	2990	2992	rBV2	72775	89481	2.35%	0.162%
85	20.443	2992	2996	3001	rVV	262907	354336	9.30%	0.642%
86	20.502	3002	3006	3010	rVV	221096	287957	7.56%	0.521%
87	20.643	3026	3030	3034	rBV	224959	328146	8.61%	0.594%
88	20.690	3034	3038	3048	rVB	291110	485733	12.75%	0.880%
89	21.330	3144	3147	3152	rVB	133551	194077	5.09%	0.351%
90	21.700	3204	3210	3217	rBV2	503822	1346748	35.34%	2.439%
91	21.765	3217	3221	3227	rVB	389491	649064	17.03%	1.175%
92	21.982	3255	3258	3269	rVB3	97121	182001	4.78%	0.330%
93	22.452	3335	3338	3346	rVB	114735	179558	4.71%	0.325%
94	23.939	3584	3591	3599	rBV	100127	361619	9.49%	0.655%
95	24.192	3630	3634	3646	rVB	40850	107562	2.82%	0.195%
96	24.667	3708	3715	3721	rBV	96060	252110	6.62%	0.457%
97	24.750	3722	3729	3735	rVV2	171834	483827	12.70%	0.876%
98	24.820	3735	3741	3751	rVB	186334	485829	12.75%	0.880%
99	24.973	3758	3767	3774	rBV2	145051	396446	10.40%	0.718%
100	29.856	4587	4598	4610	rVB3	33837	140035	3.68%	0.254%

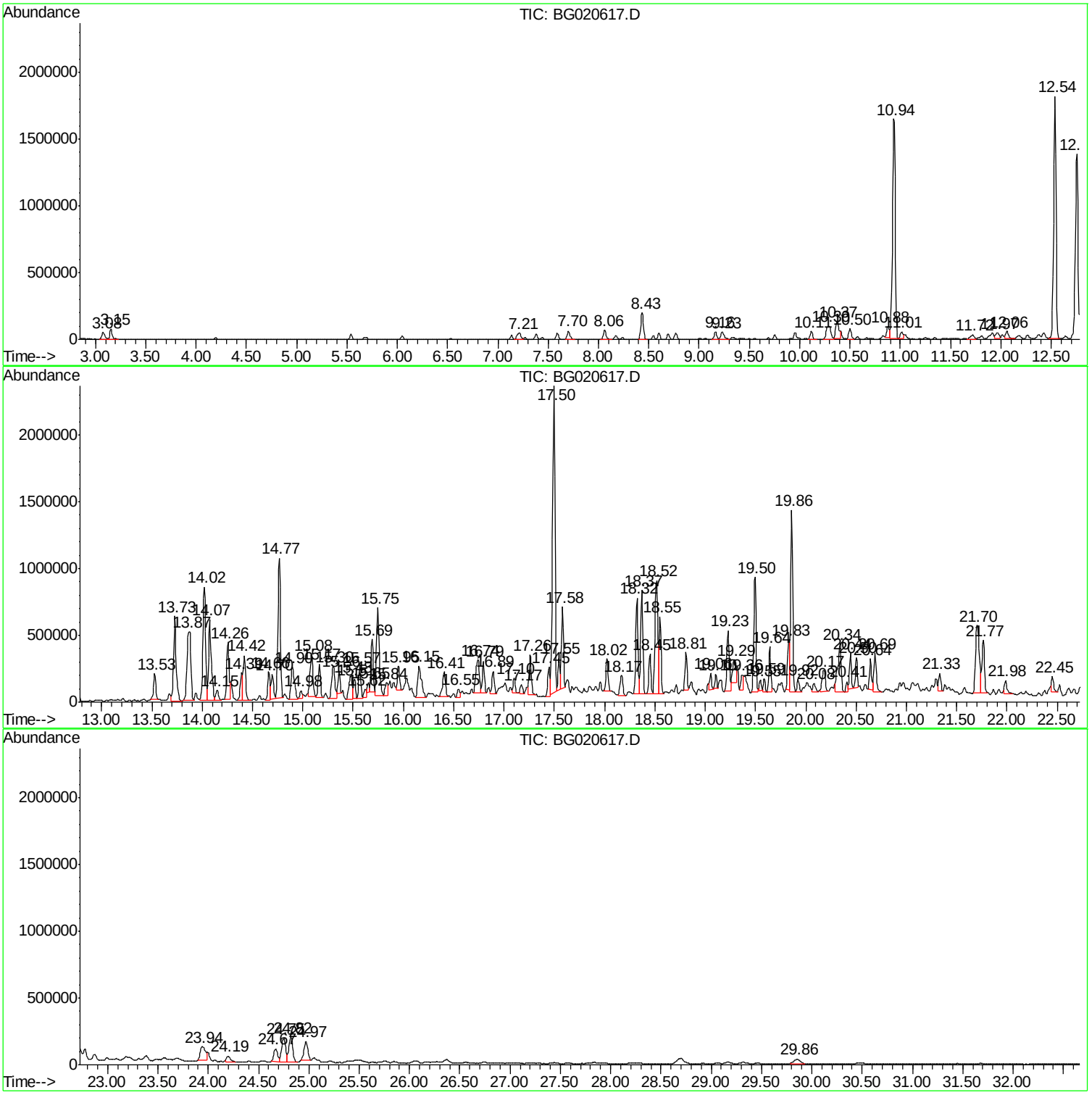
Sum of corrected areas: 55223334

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

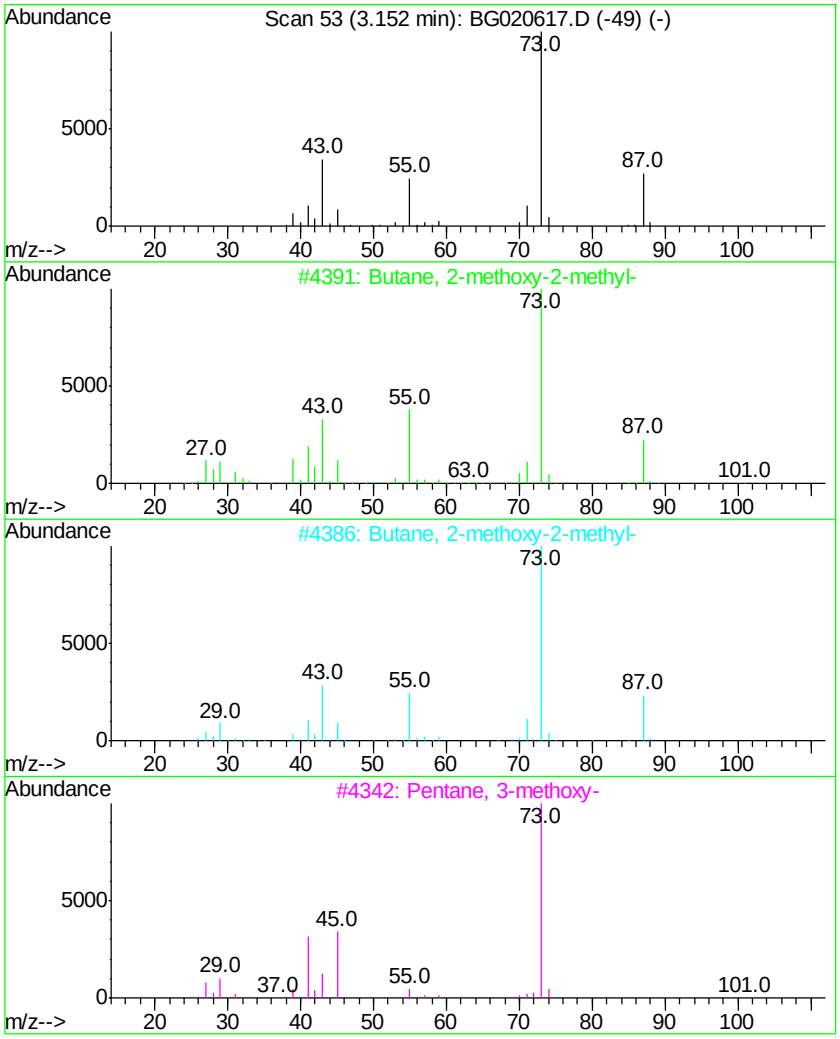
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

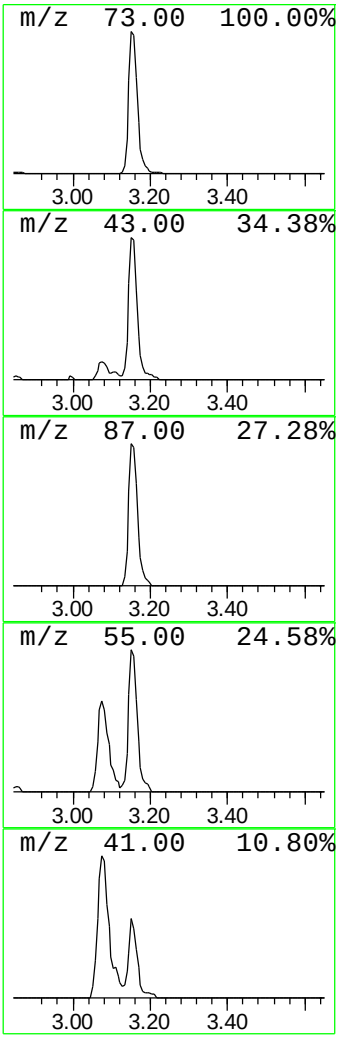
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	18.04 ng/ul	117363	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	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

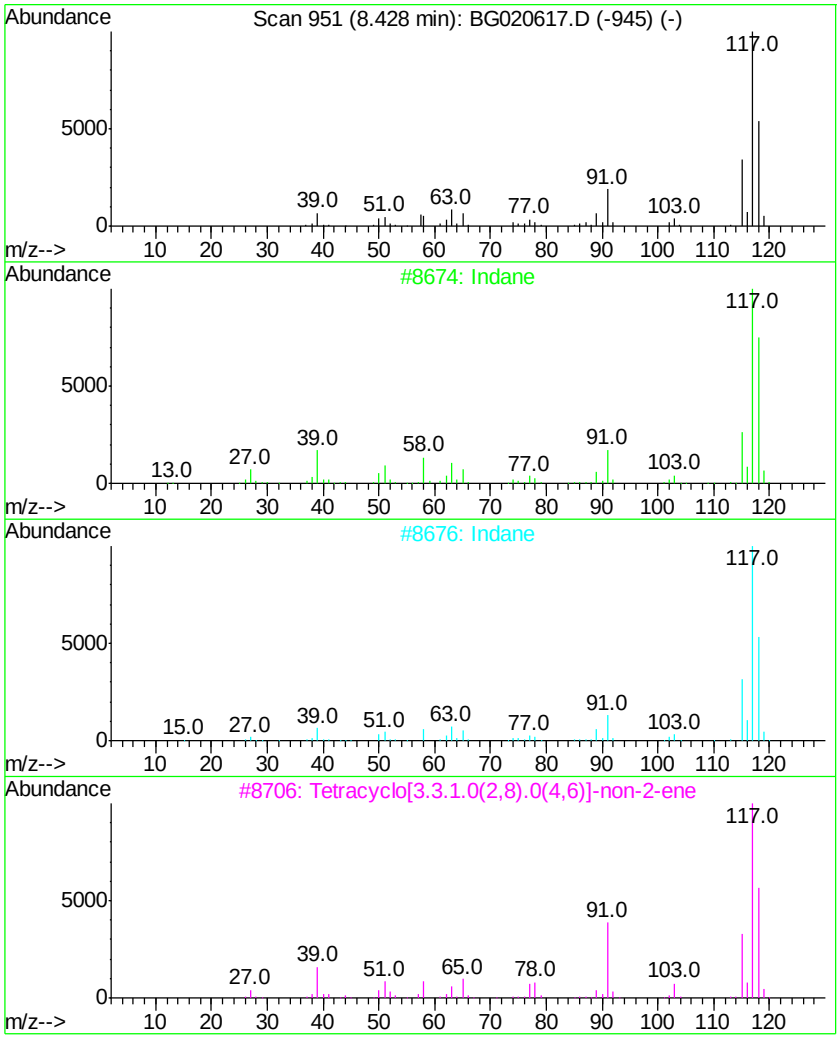
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

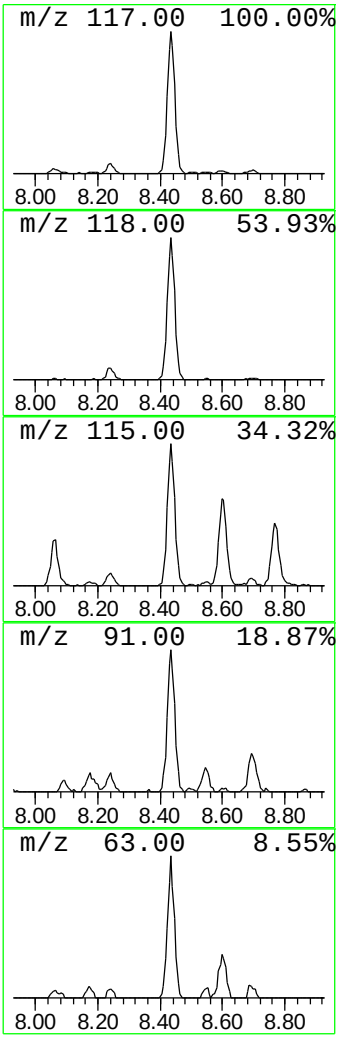
****

Peak Number 4 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	52.72 ng/ul	342988	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
5	Indane	118	C9H10	000496-11-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

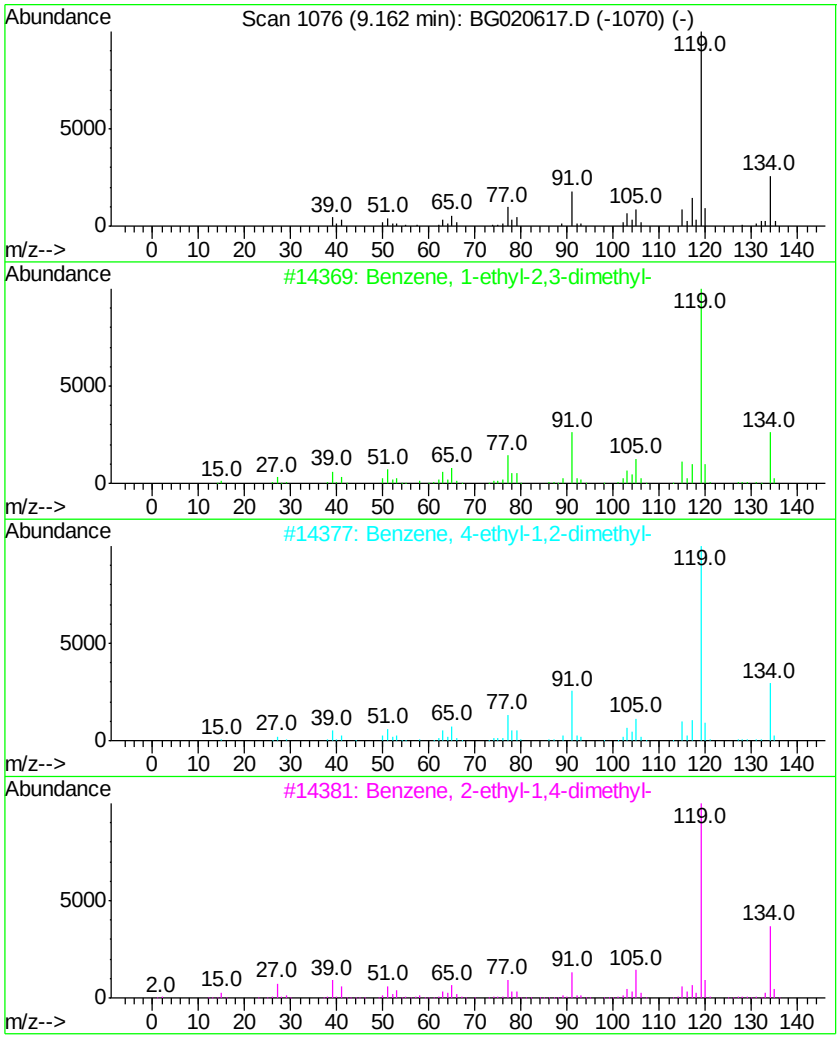
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

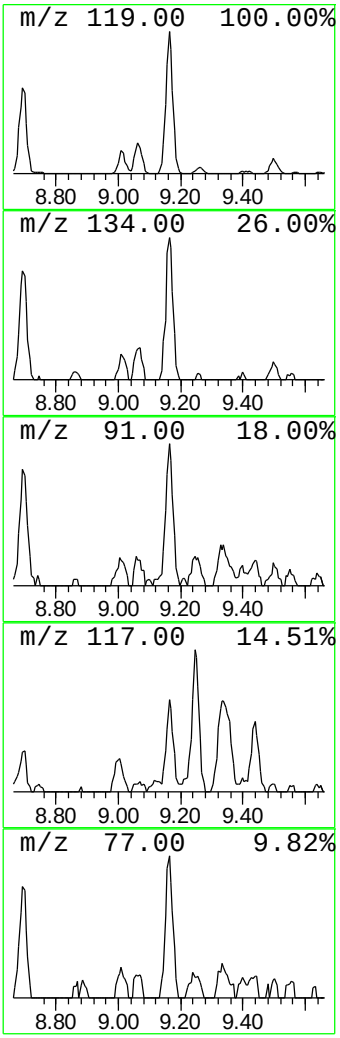
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	14.00 ng/ul	91107	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

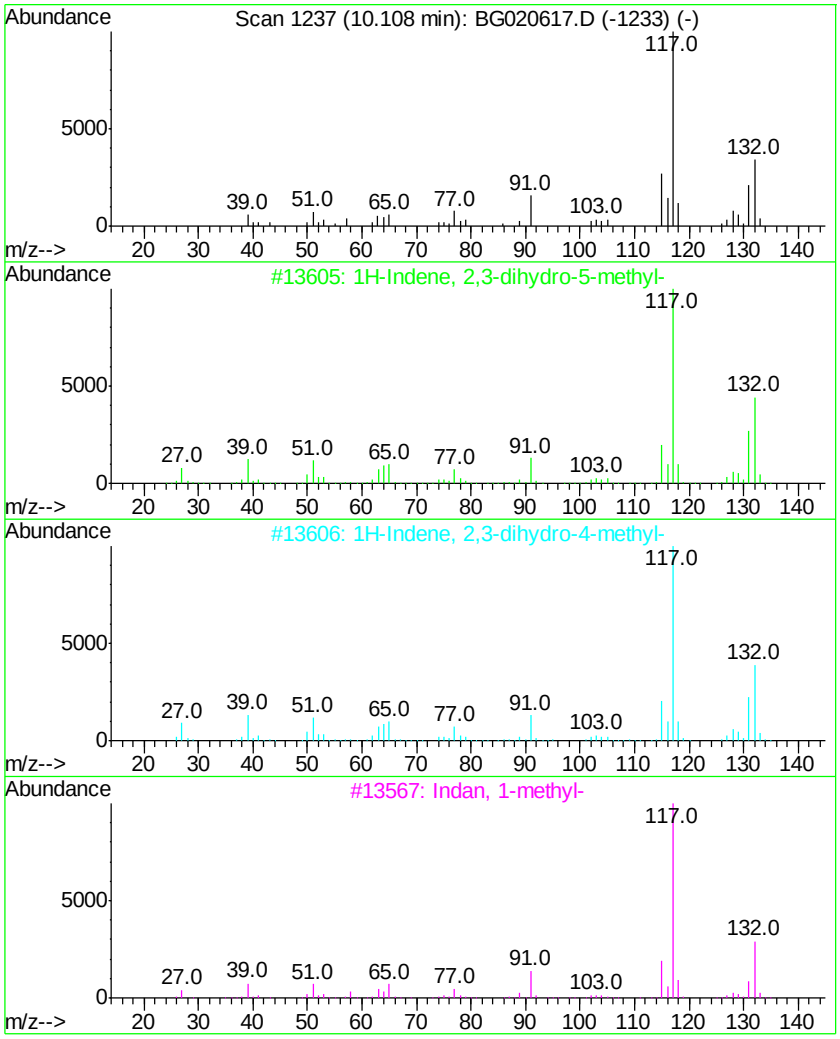
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

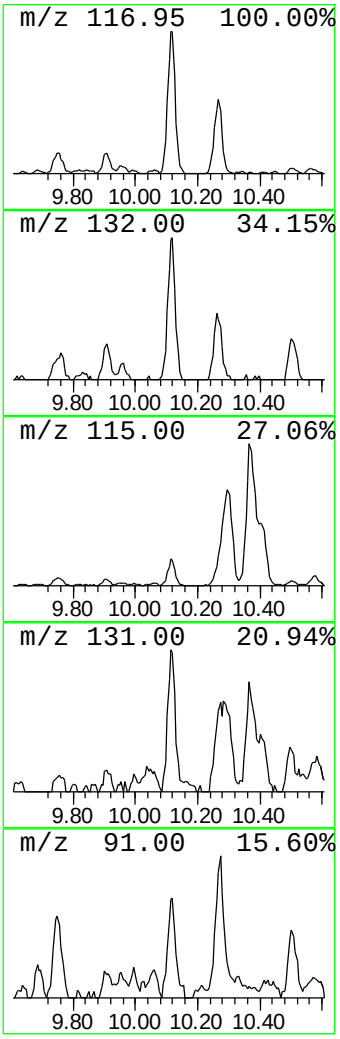
****

Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	13.25 ng/ul	101475	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

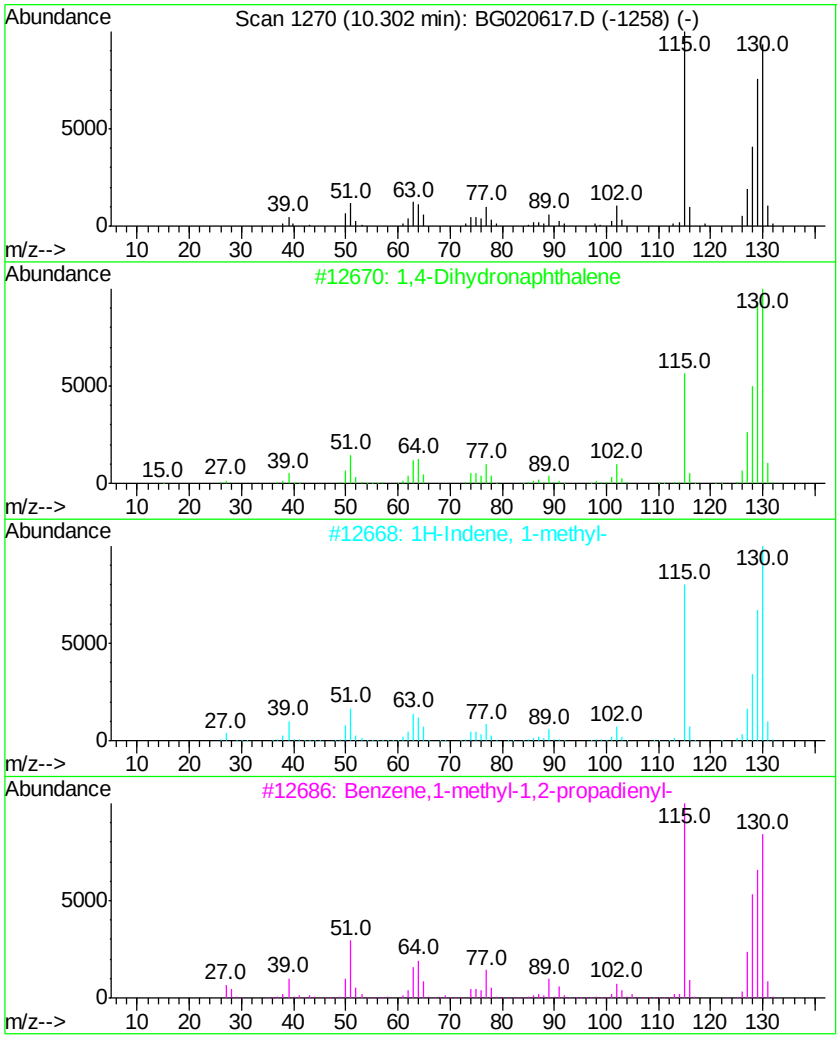
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

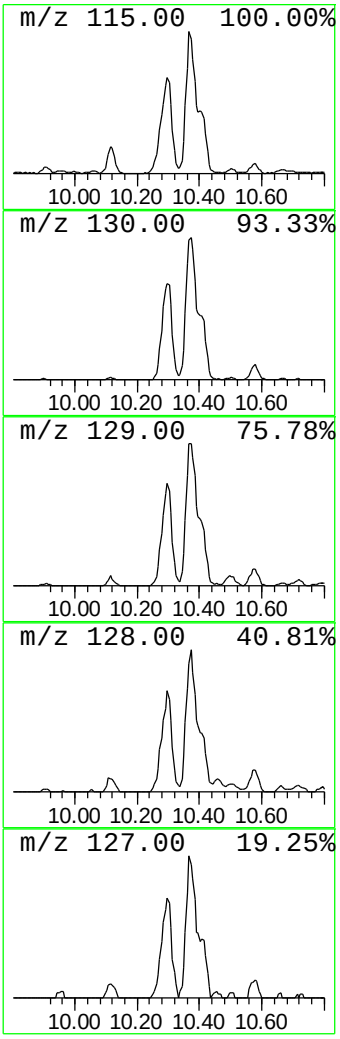
****

Peak Number 7 1,4-Dihydronaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	41.30 ng/ul	316363	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4	2-Methylindene	130	C10H10	002177-47-1	93
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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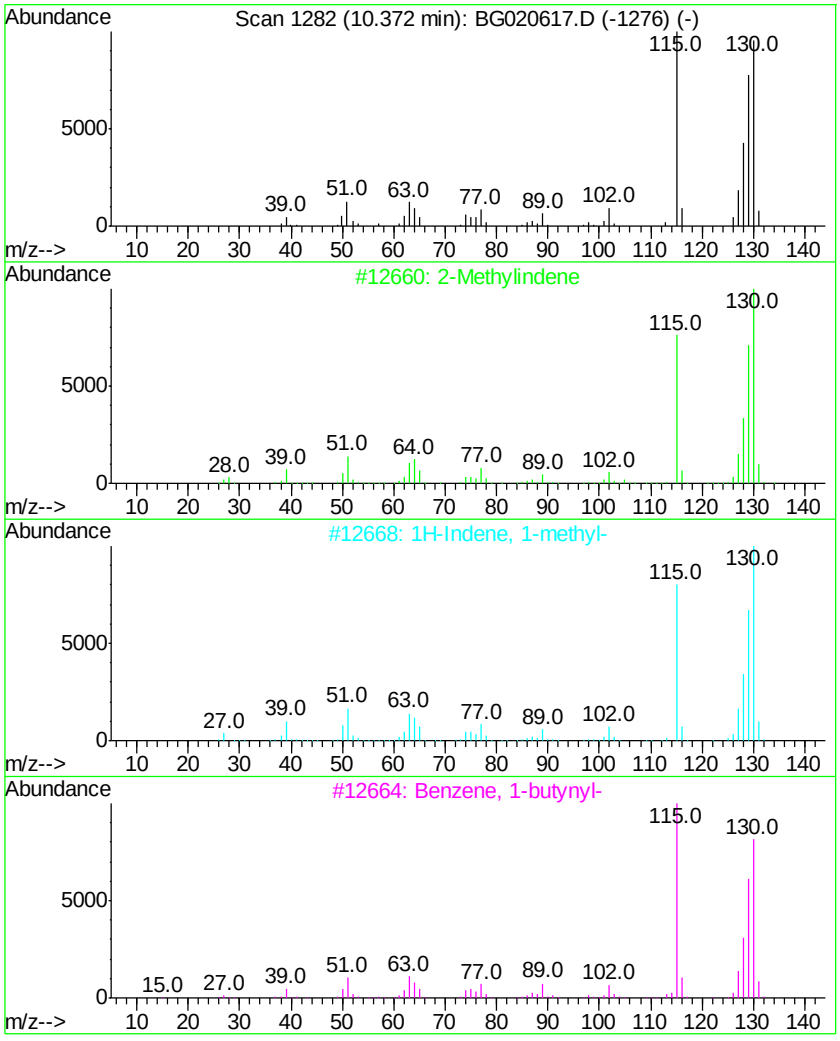
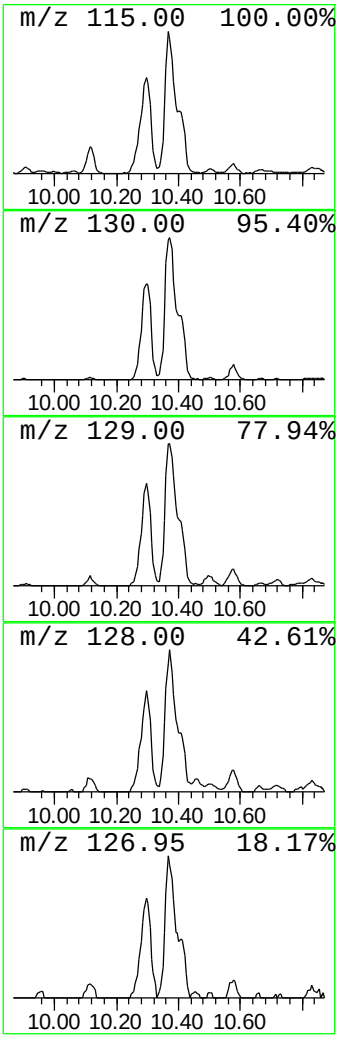
Peak Number 8 2-Methylindene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	35.63 ng/ul	272916	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	91





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Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

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

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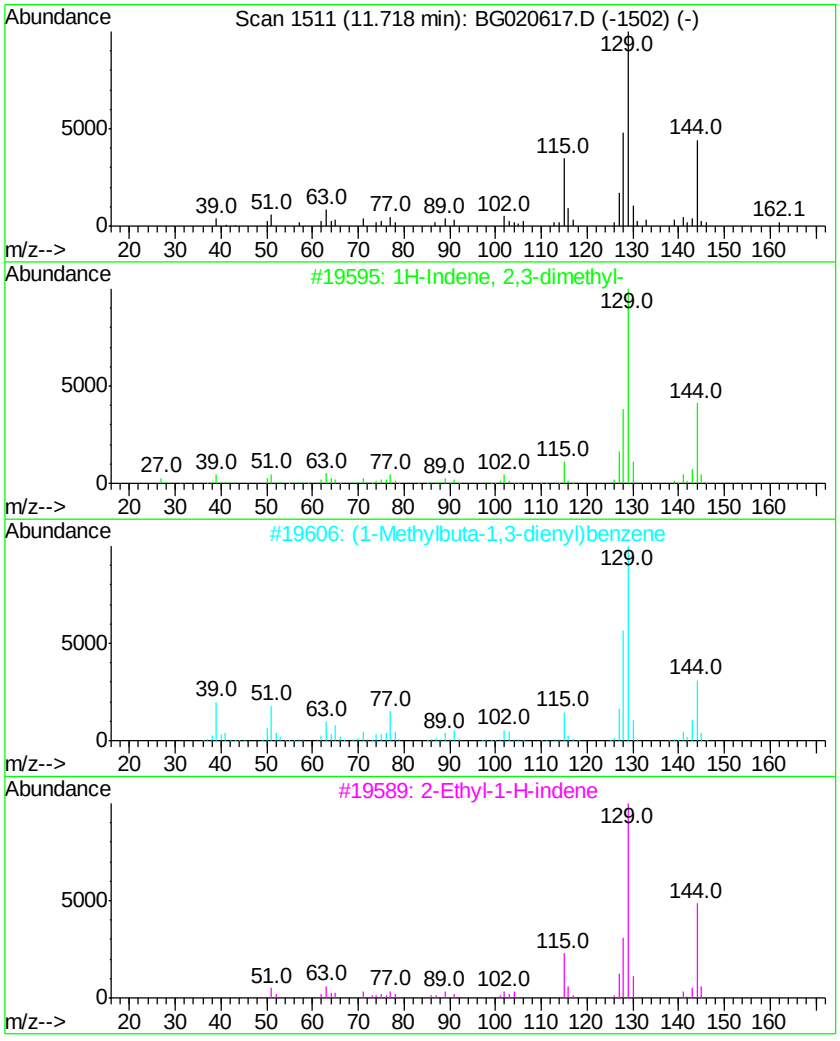
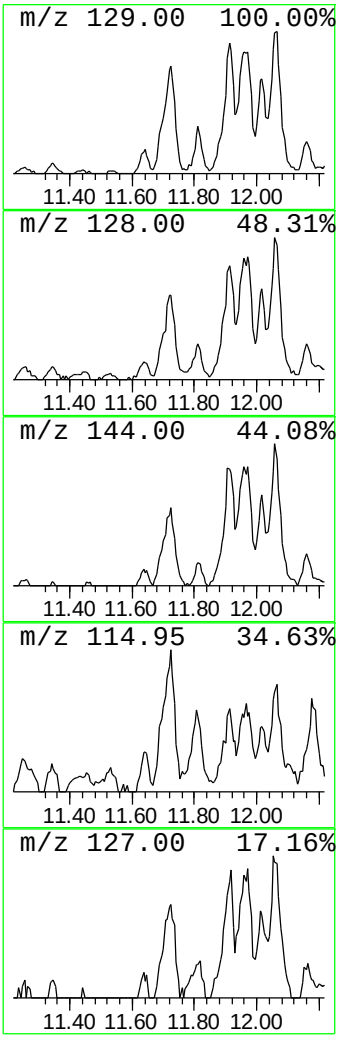
Peak Number 9 1H-Indene, 2,3-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	11.79 ng/ul	90299	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	87
2	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	83
3	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	83
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	83
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	83





Library Search Compound Report

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Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

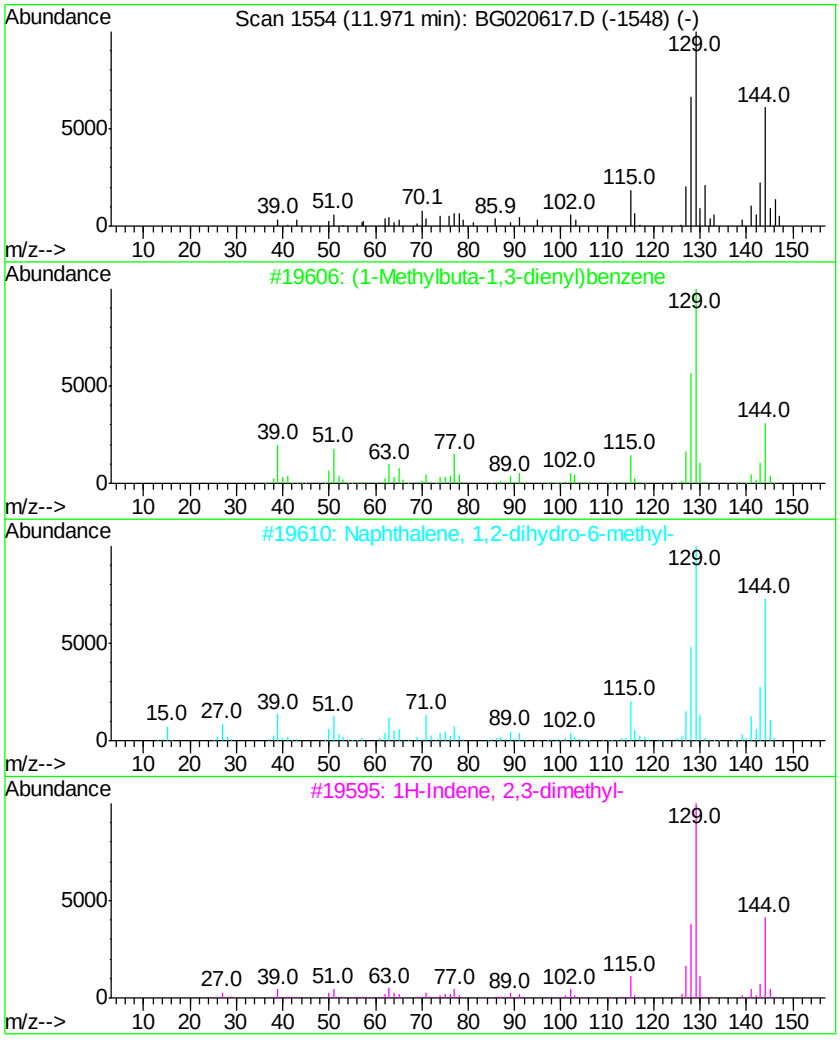
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

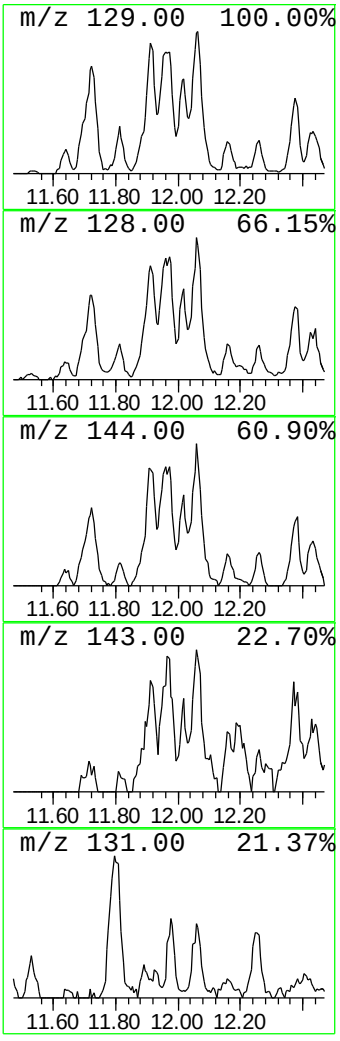
****

Peak Number 10 (1-Methylbuta-1,3-dienyl)be... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	14.28 ng/ul	109388	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	83
2	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	74
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	72
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	68
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

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

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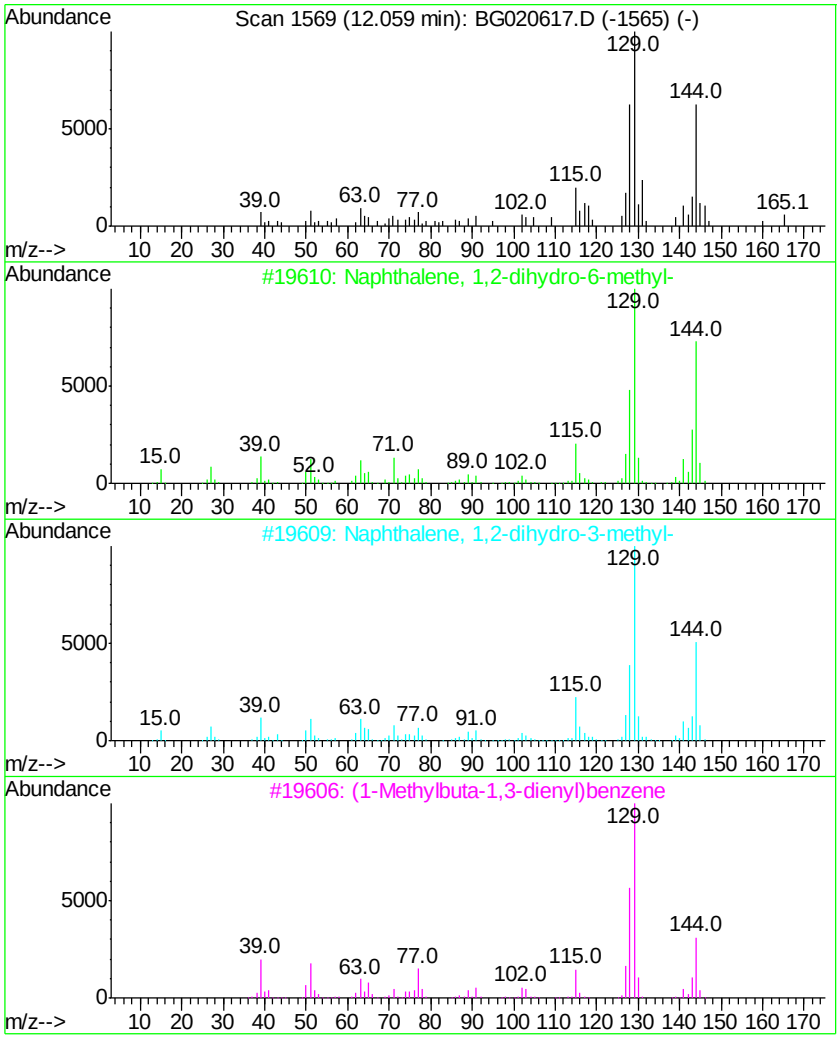
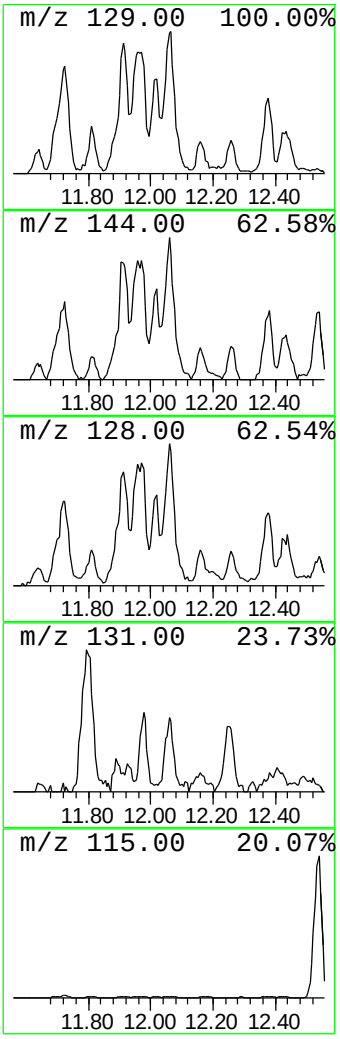
Peak Number 11 Naphthalene, 1,2-dihydro-6-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	15.21 ng/ul	116524	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	90
2	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	89
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	87
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	81
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

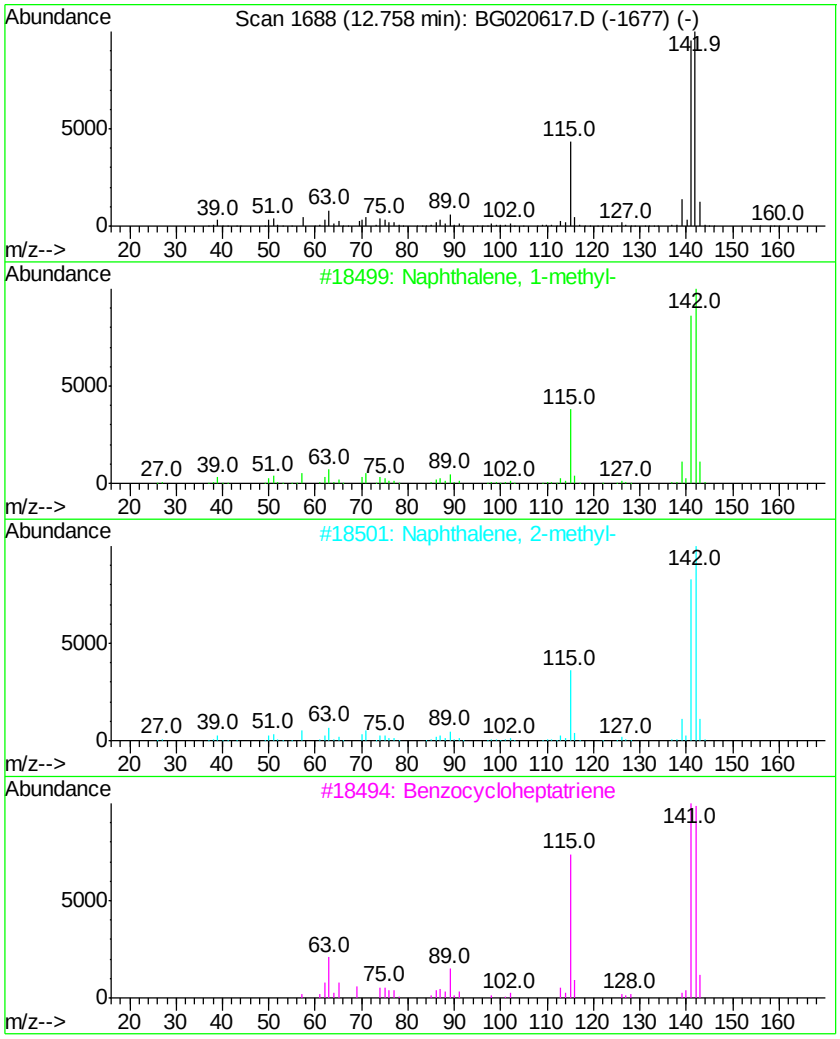
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

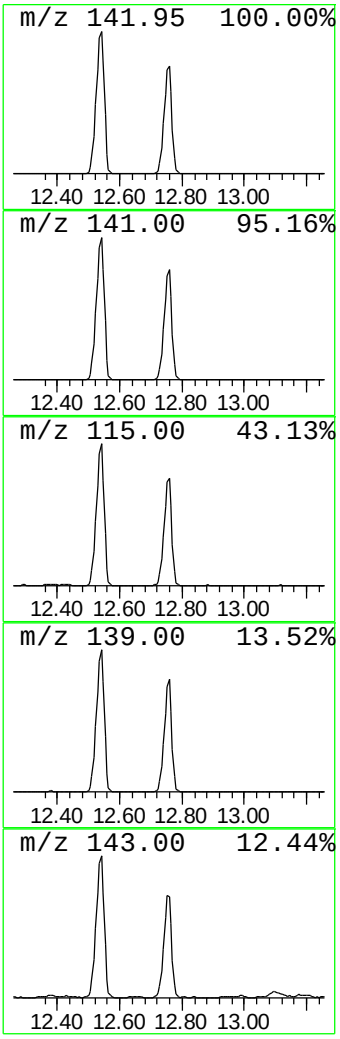
****

Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	314.48 ng/ul	2409010	Naphthalene-d8	10.88

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	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





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Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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

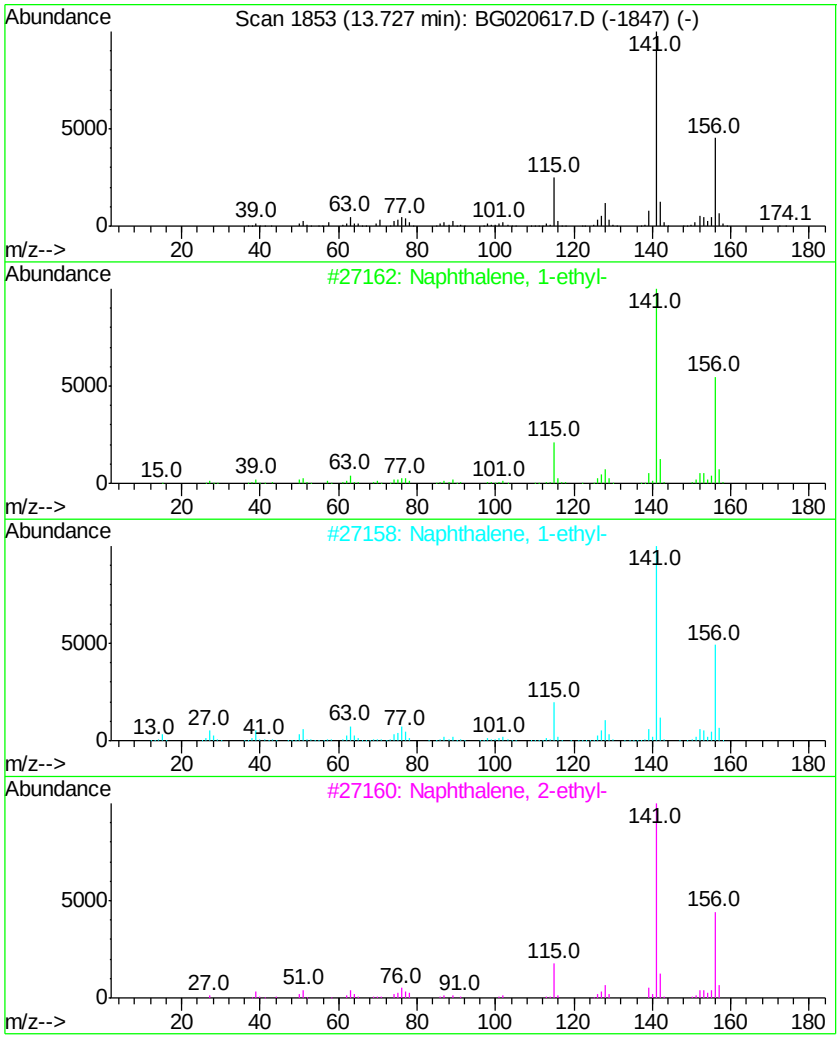
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

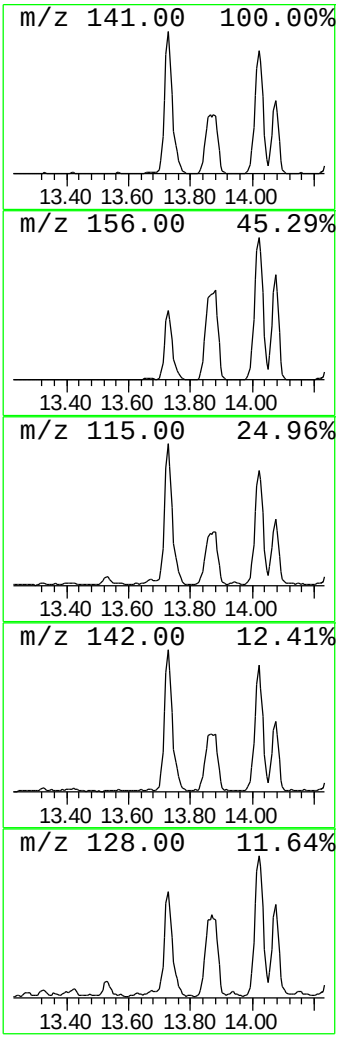
****

Peak Number 13 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	81.92 ng/ul	1165780	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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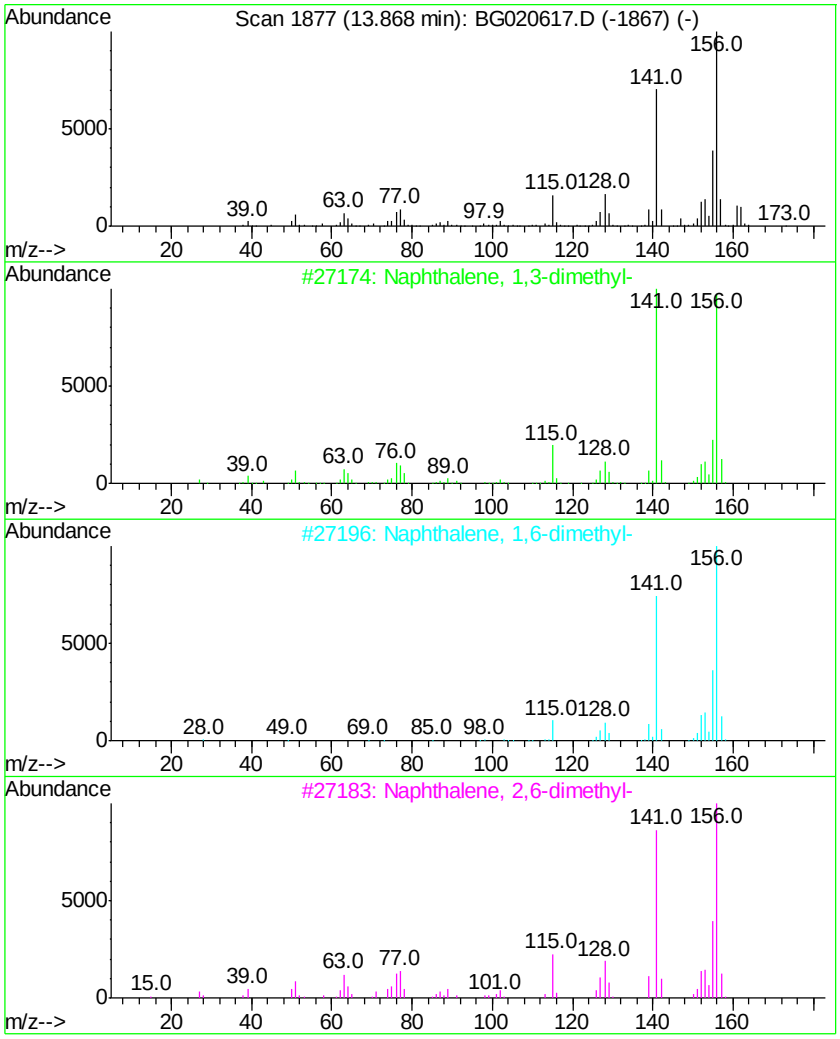
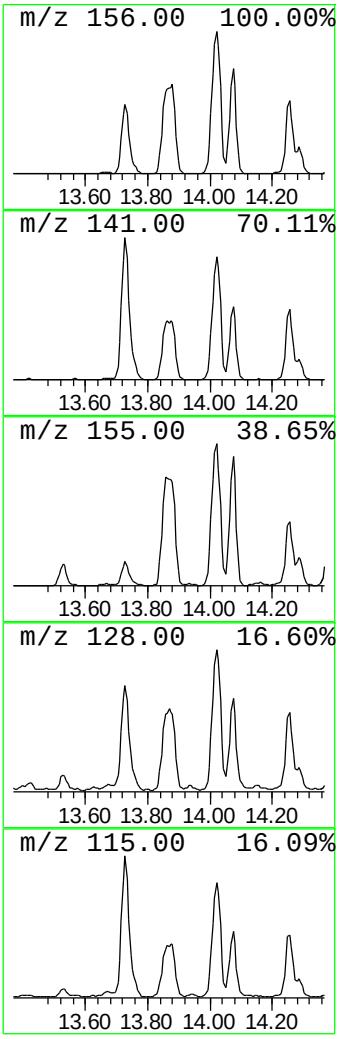
Peak Number 14 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	98.99 ng/ul	1408670	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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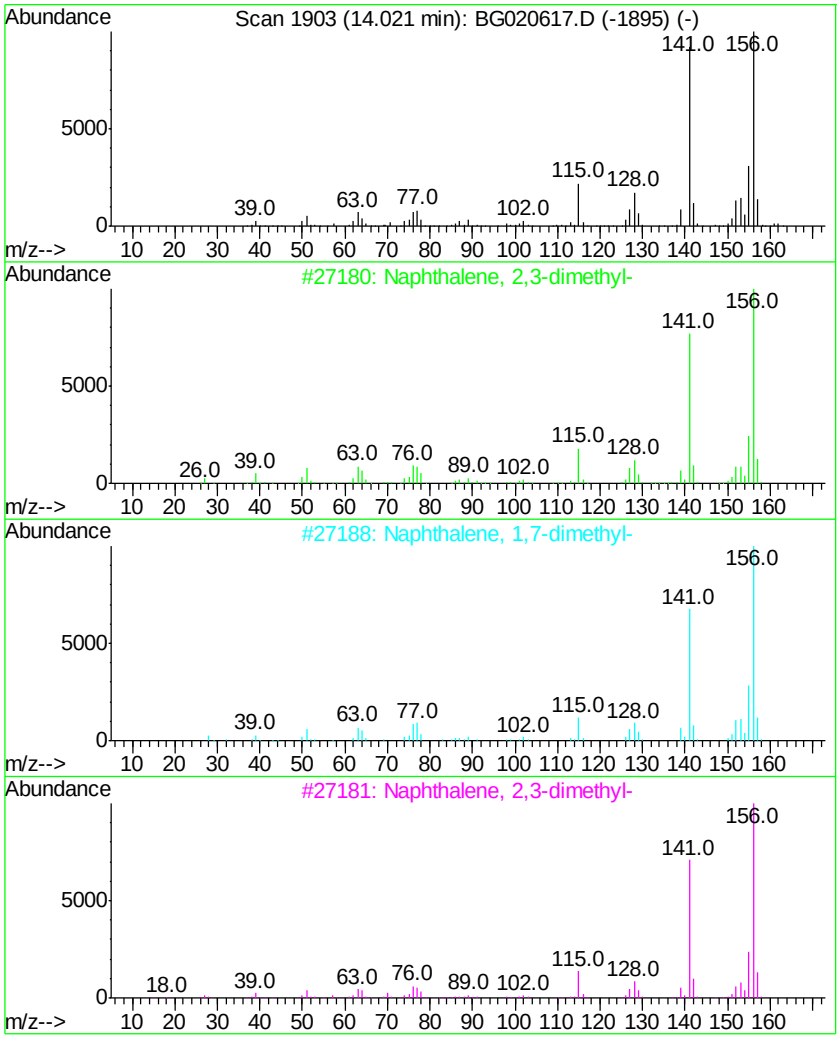
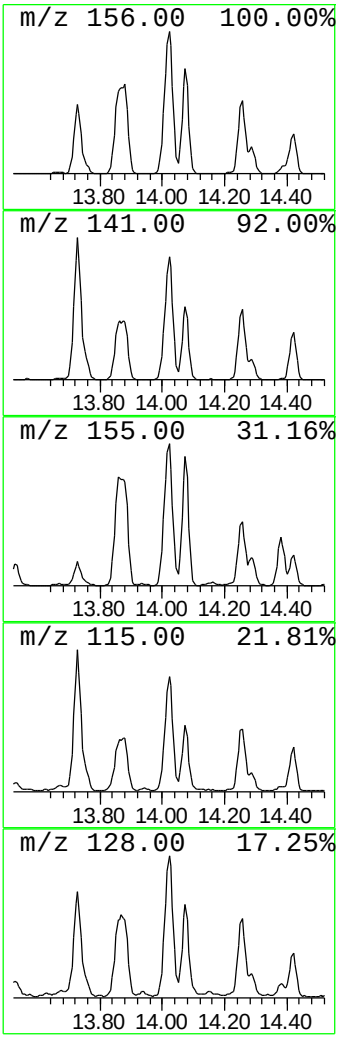
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	112.17 ng/ul	1596230	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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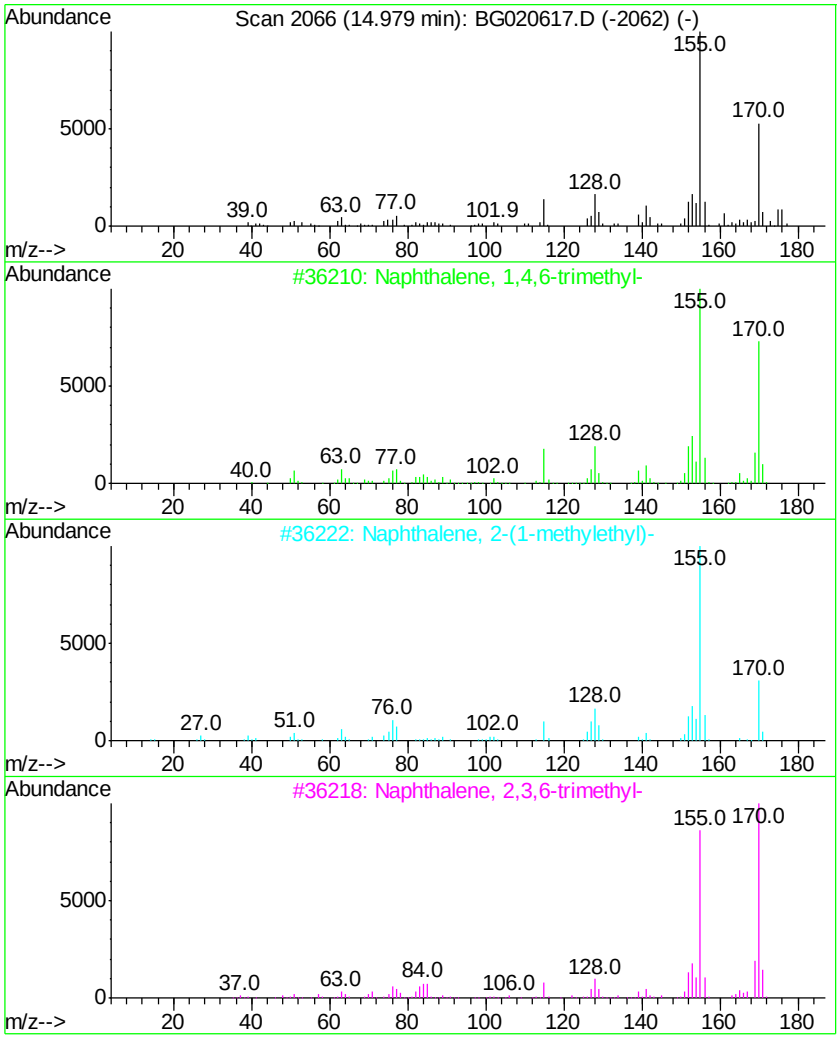
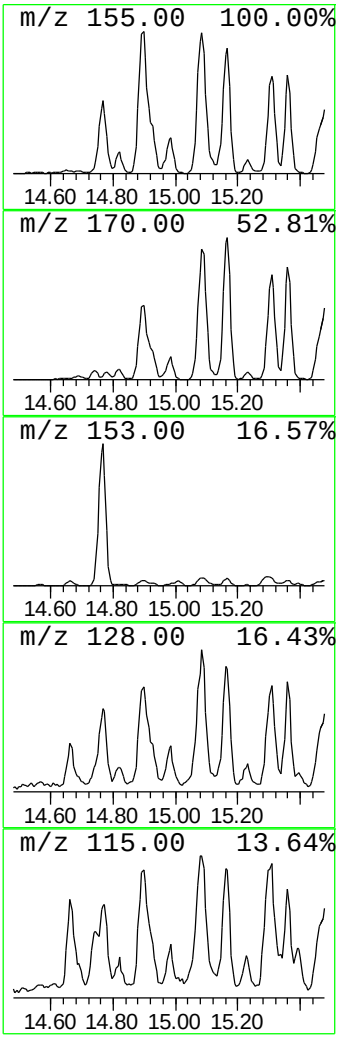
Peak Number 17 Naphthalene, 1,4,6-trimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	6.69 ng/ul	95265	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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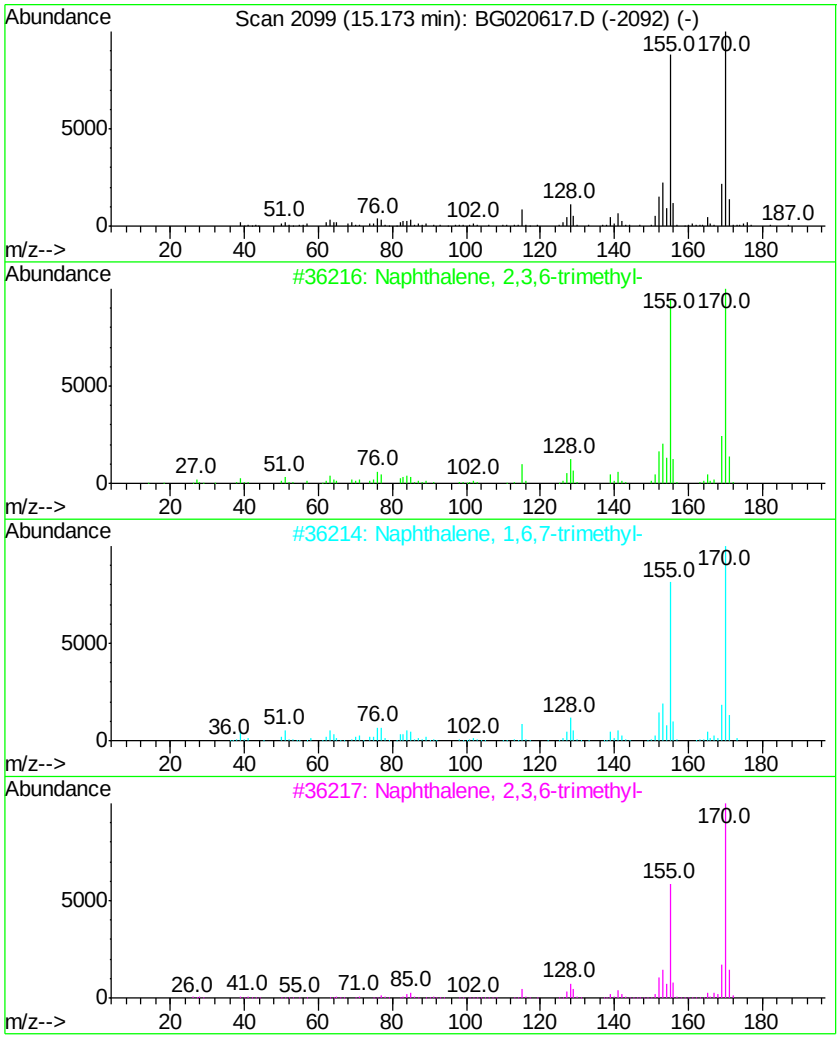
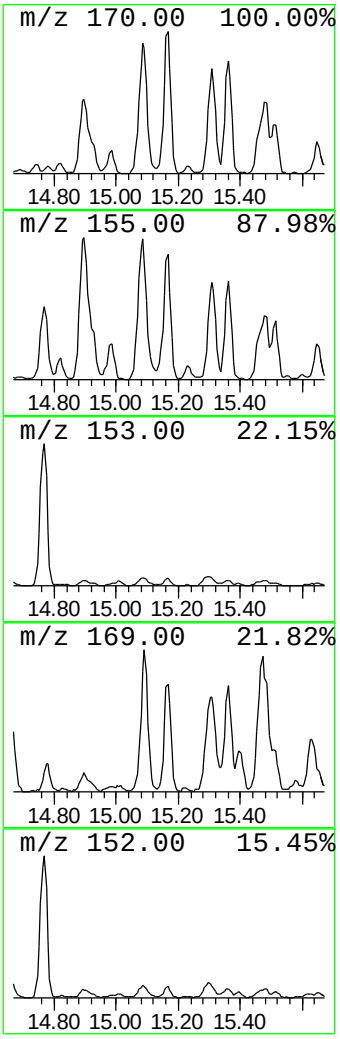
Peak Number 18 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	26.92 ng/ul	383144	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, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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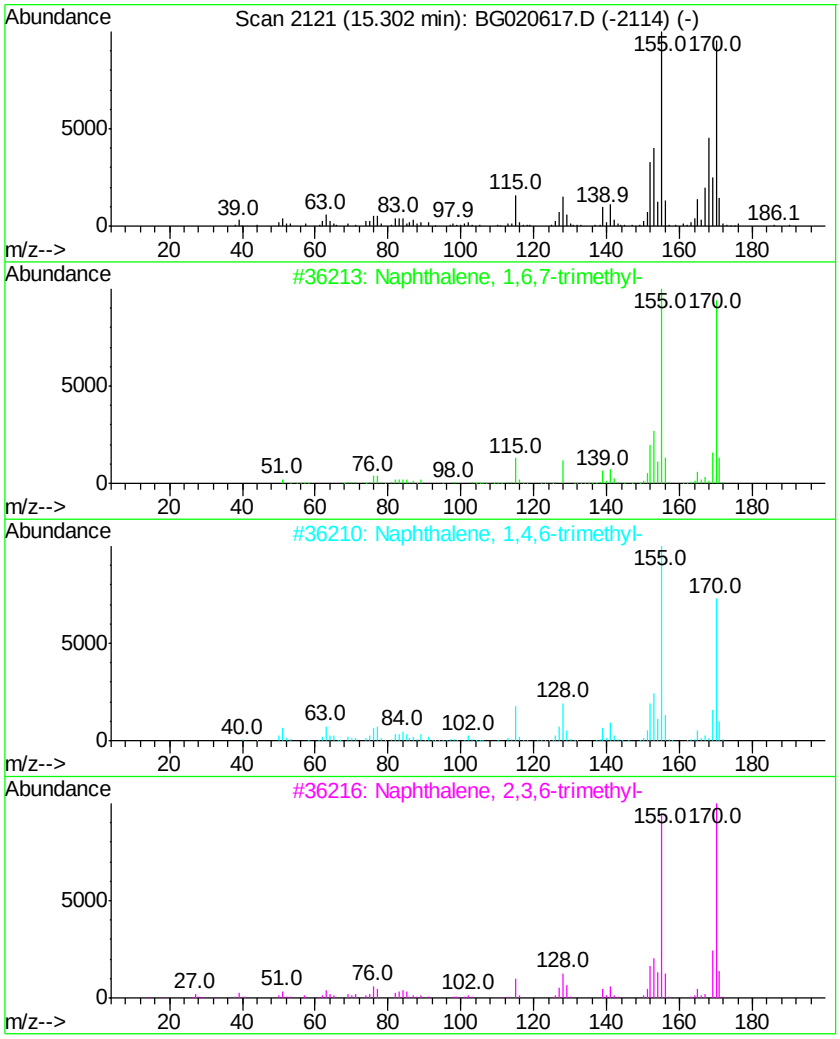
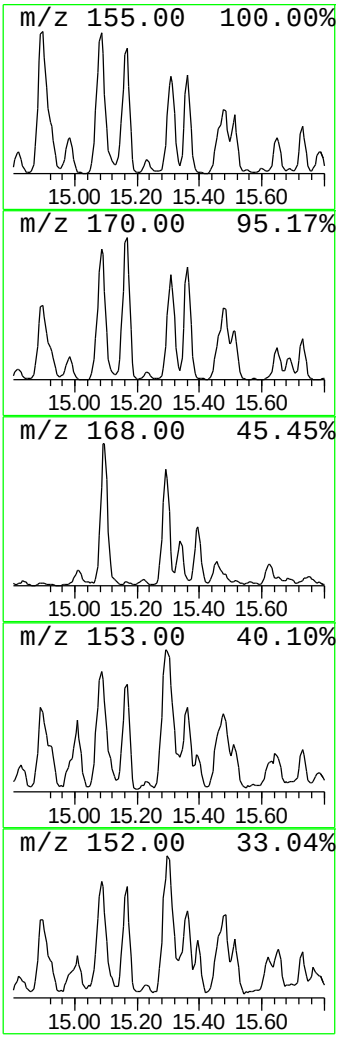
Peak Number 19 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	39.10 ng/ul	556365	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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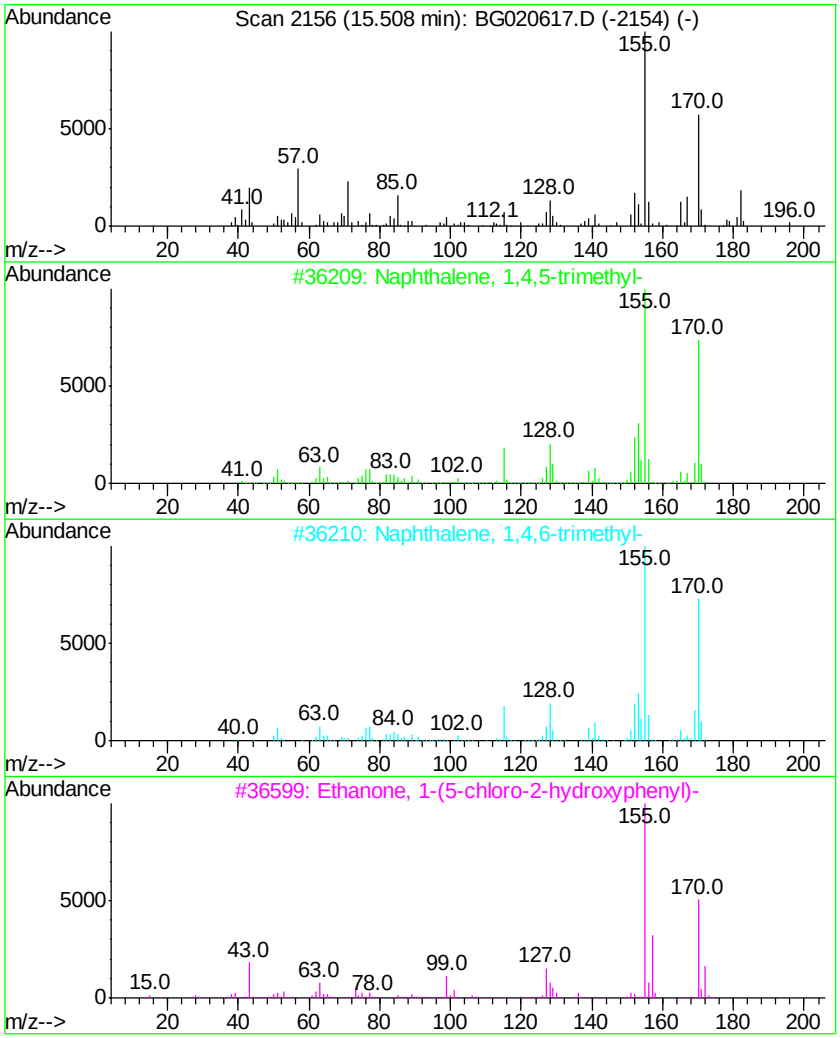
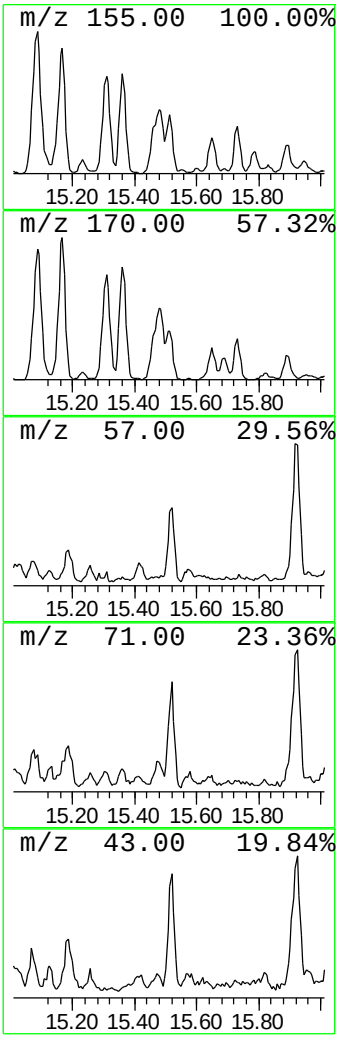
Peak Number 22 Naphthalene, 1,4,5-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	13.52 ng/ul	192335	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	60
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	49
3	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	47
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	46
5	Phenol, 4-chloro-2-(1-methylethyl)-	170	C9H11ClO	054461-05-1	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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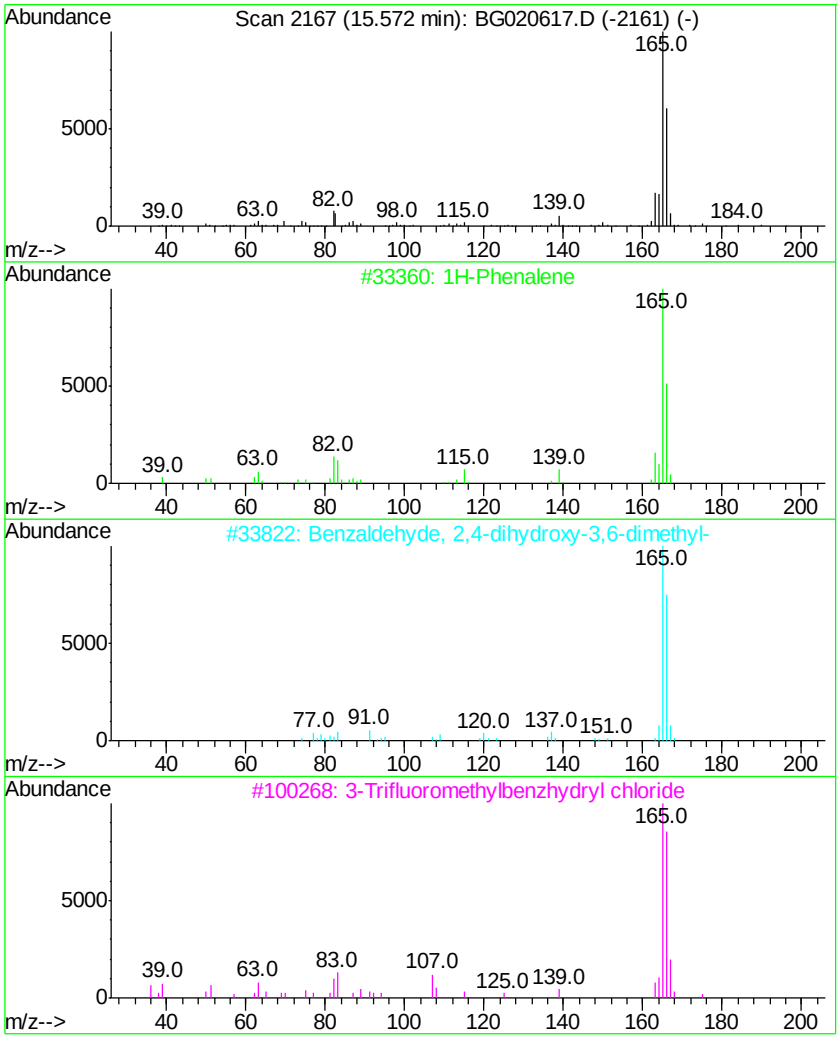
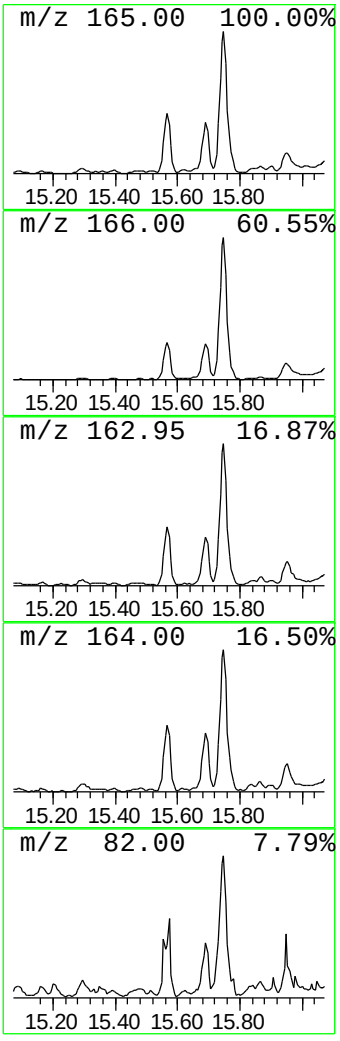
Peak Number 23 1H-Phenalene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	23.36 ng/ul	332372	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	87
2	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	72
3	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	56
4	Fluorene	166	C13H10	000086-73-7	40
5	Fluorene	166	C13H10	000086-73-7	40





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Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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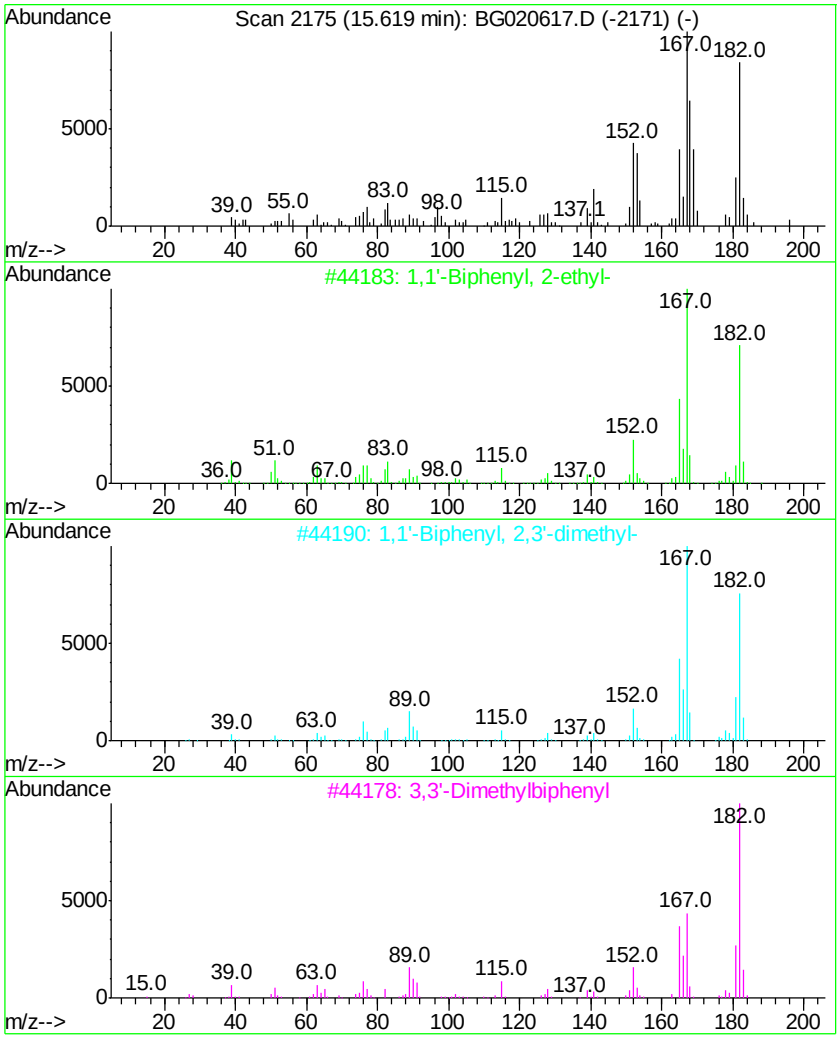
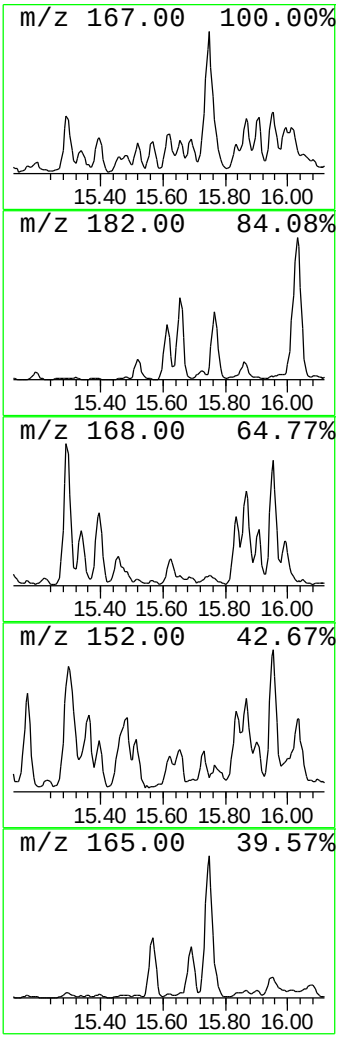
Peak Number 24 1,1'-Biphenyl, 2-ethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	6.46 ng/ul	91907	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	90
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	64
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	60
4	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	53
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	53





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Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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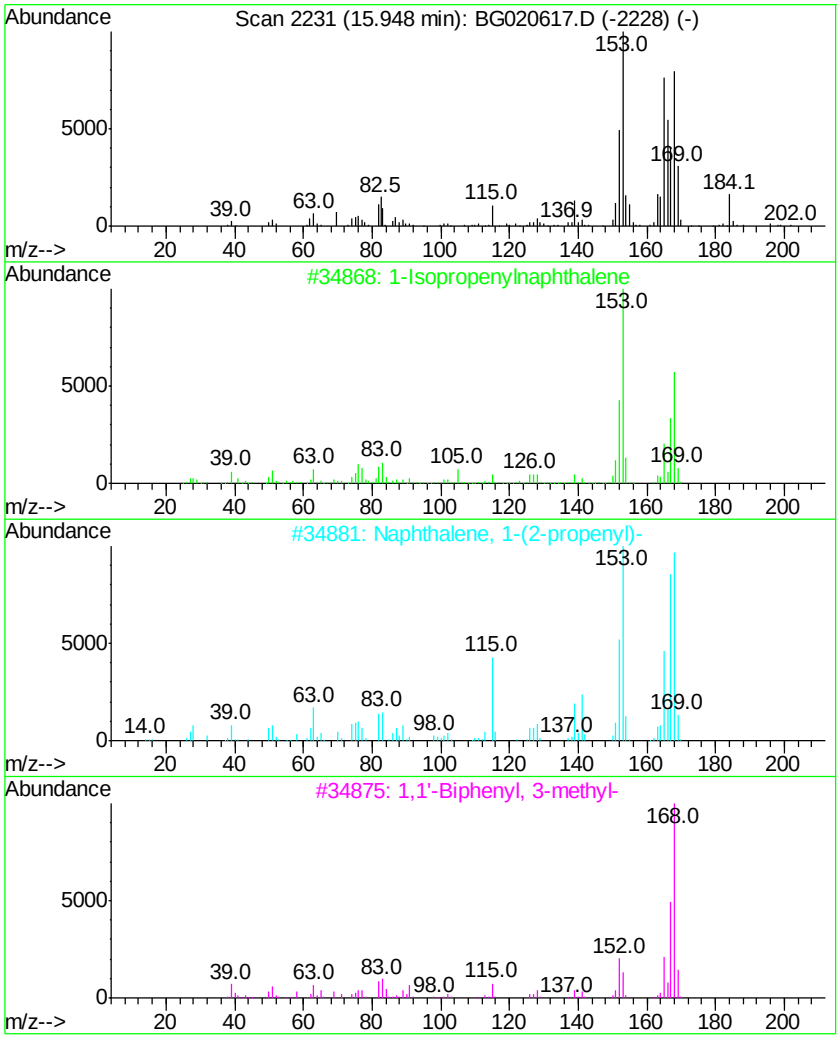
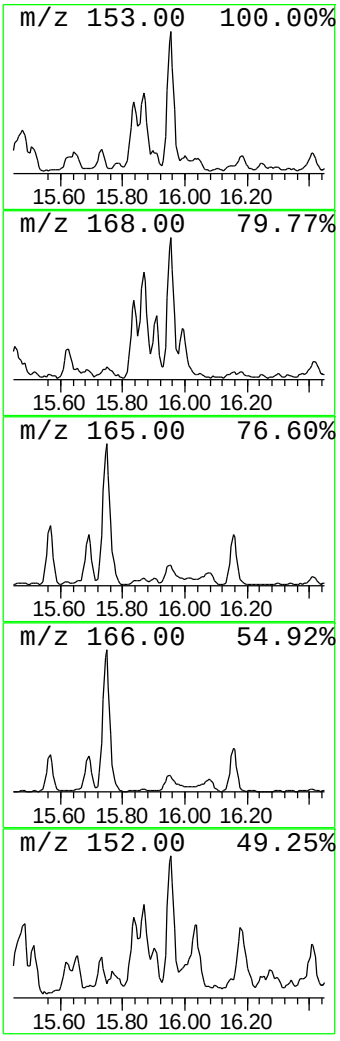
Peak Number 25 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	18.15 ng/ul	258354	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	49
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	41
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	35
5	1H-Phenalene	166	C13H10	000203-80-5	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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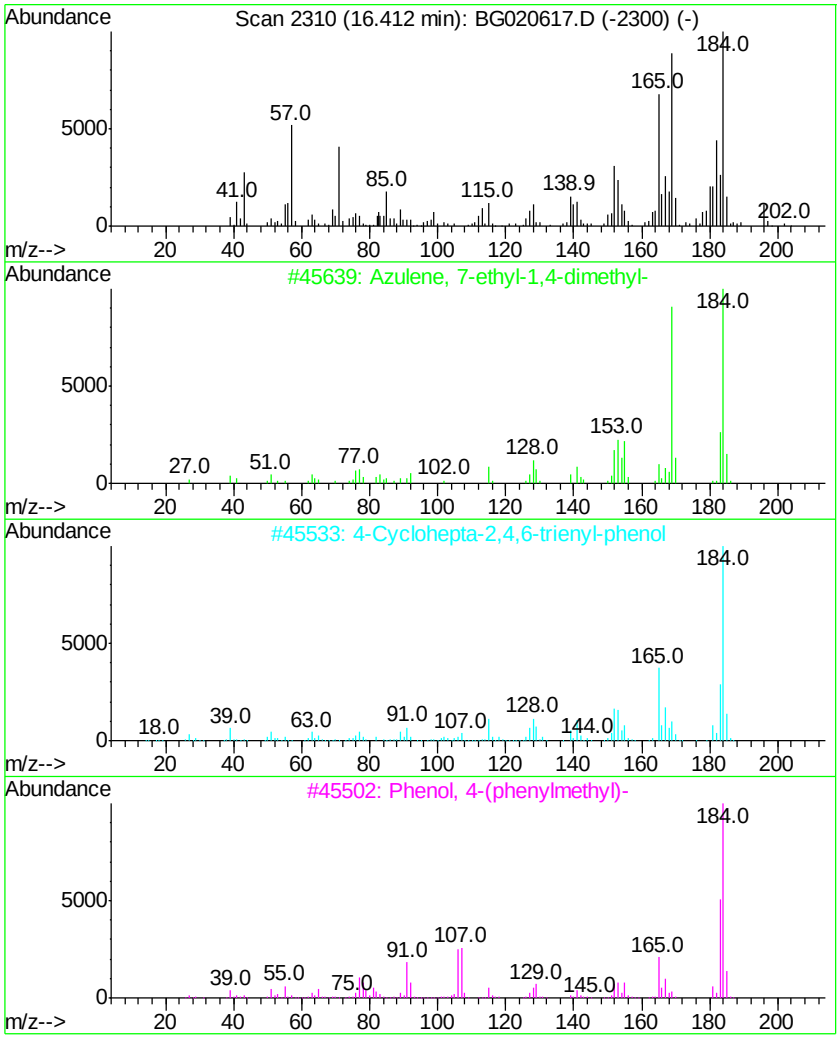
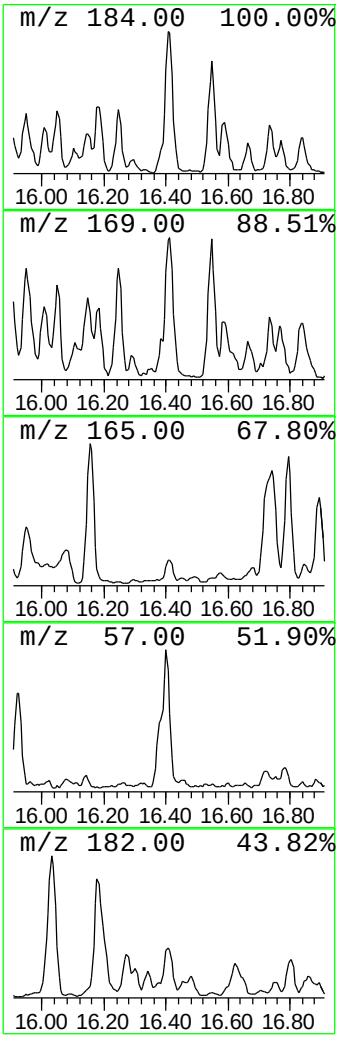
Peak Number 27 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	22.62 ng/ul	385657	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	83
2	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	70
3	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	59
4	[1,1'-Biphenyl]-4-methanol	184	C13H12O	003597-91-9	53
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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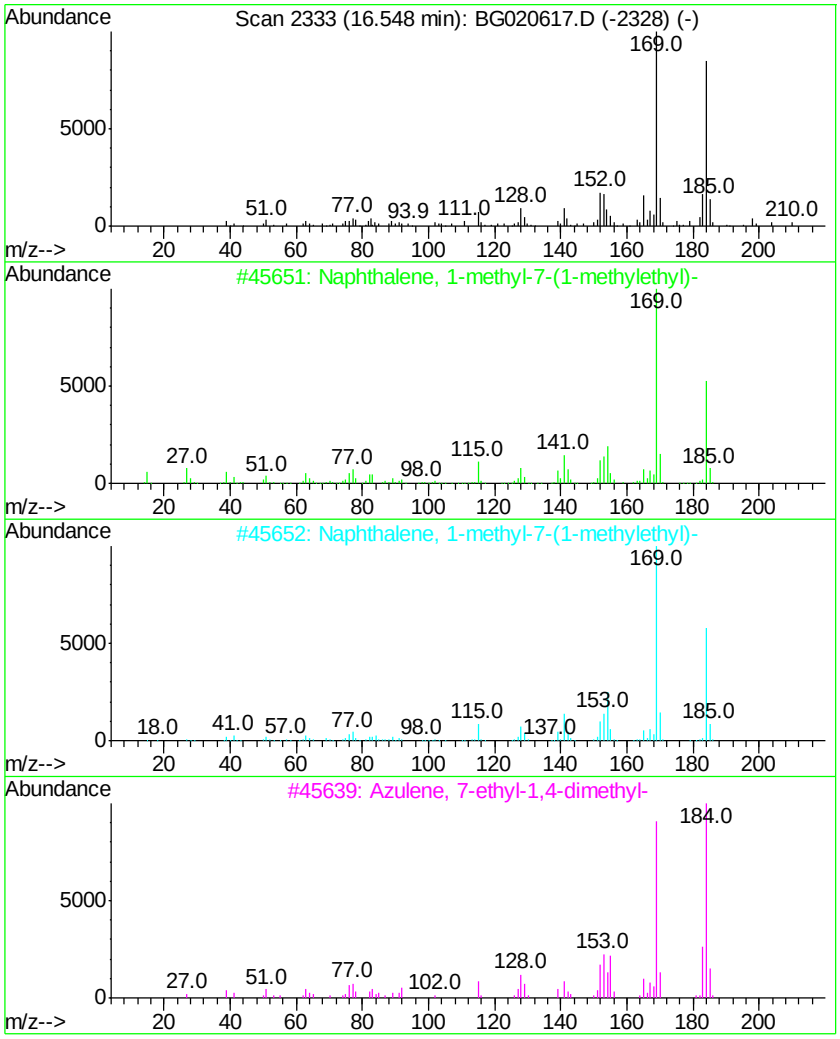
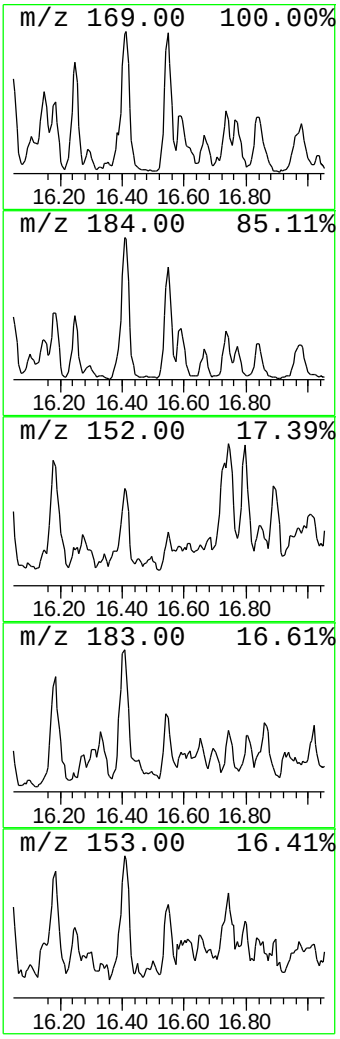
Peak Number 28 Naphthalene, 1-methyl-7-(1-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.22 ng/ul	106096	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	93
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	93
3	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	87
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	87
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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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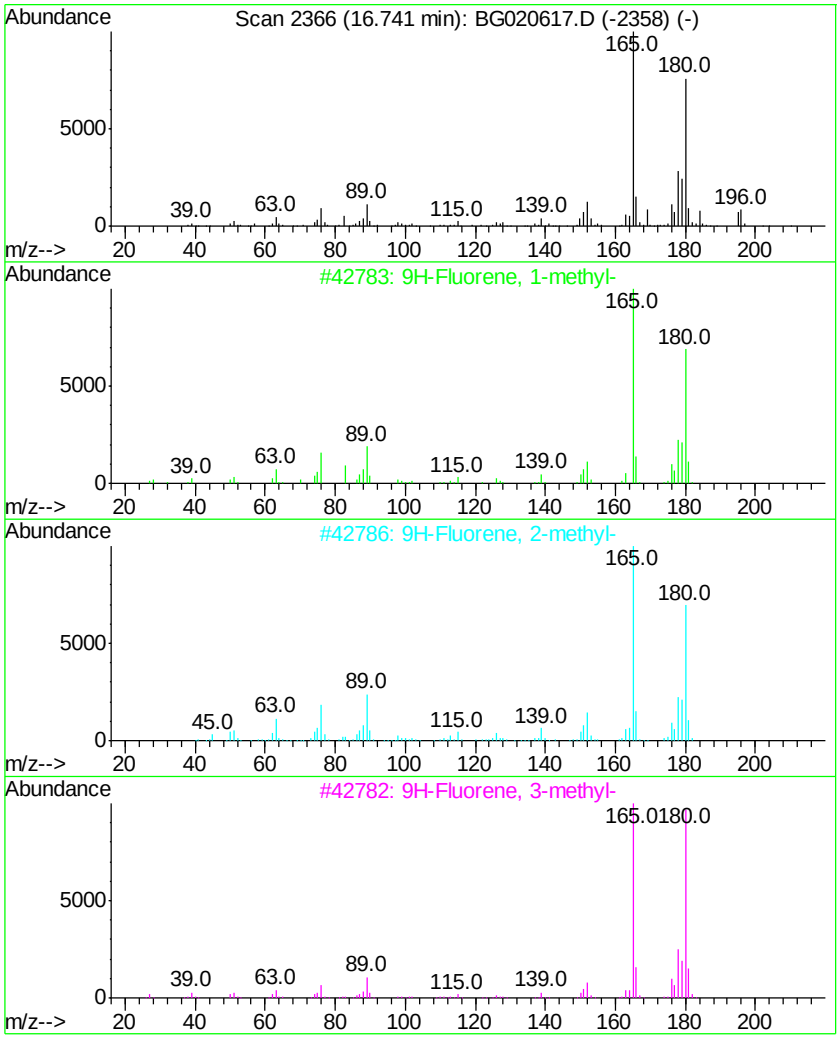
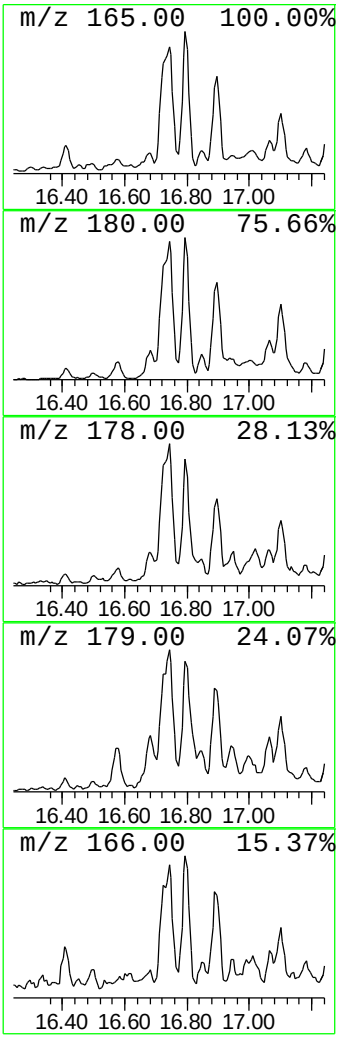
Peak Number 29 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	36.01 ng/ul	613987	Phenanthrene-d10	17.45

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	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88ME

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	18.0	ng/ul	117363	1	8.06	130126	20.0
Indane	8.43	52.7	ng/ul	342988	1	8.06	130126	20.0
Benzene, 1-ethyl-...	9.16	14.0	ng/ul	91107	1	8.06	130126	20.0
1H-Indene, 2,3-di...	10.11	13.3	ng/ul	101475	2	10.88	153208	20.0
1,4-Dihydronaphth...	10.30	41.3	ng/ul	316363	2	10.88	153208	20.0
2-Methylindene	10.37	35.6	ng/ul	272916	2	10.88	153208	20.0
1H-Indene, 2,3-di...	11.72	11.8	ng/ul	90299	2	10.88	153208	20.0
(1-Methylbuta-1,3...	11.97	14.3	ng/ul	109388	2	10.88	153208	20.0
Naphthalene, 1,2-...	12.06	15.2	ng/ul	116524	2	10.88	153208	20.0
Naphthalene, 1-me...	12.76	314.5	ng/ul	2409010	2	10.88	153208	20.0
Naphthalene, 1-et...	13.73	81.9	ng/ul	1165780	3	14.70	284617	20.0
Naphthalene, 1,3-...	13.87	99.0	ng/ul	1408670	3	14.70	284617	20.0
Naphthalene, 2,3-...	14.02	112.2	ng/ul	1596230	3	14.70	284617	20.0
Naphthalene, 1,4,...	14.98	6.7	ng/ul	95265	3	14.70	284617	20.0
Naphthalene, 2,3,...	15.17	26.9	ng/ul	383144	3	14.70	284617	20.0
Naphthalene, 1,6,...	15.30	39.1	ng/ul	556365	3	14.70	284617	20.0
Naphthalene, 1,4,...	15.51	13.5	ng/ul	192335	3	14.70	284617	20.0
1H-Phenalene	15.57	23.4	ng/ul	332372	3	14.70	284617	20.0
1,1'-Biphenyl, 2-...	15.62	6.5	ng/ul	91907	3	14.70	284617	20.0
unknown-01	15.95	18.1	ng/ul	258354	3	14.70	284617	20.0
Azulene, 7-ethyl-...	16.41	22.6	ng/ul	385657	4	17.45	341009	20.0
Naphthalene, 1-me...	16.55	6.2	ng/ul	106096	4	17.45	341009	20.0
9H-Fluorene, 1-me...	16.74	36.0	ng/ul	613987	4	17.45	341009	20.0