LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.558	455	463	473	rBV	589938	986336	3.83%	0.243%
2	7.215	740	745	753	rVV	448694	800366	3.11%	0.197%
3	7.720	825	831	841	rVV2	702764	1364796	5.30%	0.336%
4	8.460	948	957	964	rBV	2017914	3739860	14.51%	0.920%
5	8.619	979	984	992	rVV	487592	864499	3.35%	0.213%
6	9.183	1069	1080	1086	rVV	610347	1050124	4.07%	0.258%
7	10.141	1237	1243	1251	rVB	606861	1081752	4.20%	0.266%
8	10.323	1262	1274	1281	rBV3	950247	3143029	12.20%	0.773%
9	10.405	1281	1288	1293	rBV	1241292	2931309	11.37%	0.721%
10	11.022	1369	1393	1398	rVV	6595616	25770410	100.00%	6.341%
11	11.745	1506	1516	1522	rBV	340232	938471	3.64%	0.231%
12	11.939	1538	1549	1553	rBV2	384969	1000291	3.88%	0.246%
13	11.997	1553	1559	1563	rVV2	425063	1005535	3.90%	0.247%
14	12.085	1570	1574	1586	rVB	525564	1087484	4.22%	0.268%
15	12.620	1647	1665	1669	rVV	7079218	24398497	94.68%	6.004%
16	12.832	1684	1701	1706	rBV	6441609	19121686	74.20%	4.705%
17	13.560	1812	1825	1831	rBV	1760595	3297502	12.80%	0.811%
18	13.772	1853	1861	1870	rVB	4275258	9882328	38.35%	2.432%
19	13.924	1874	1887	1892	rBV	3888676	11608572	45.05%	2.857%
20	14.077	1901	1913	1917	rVV	4738147	12990576	50.41%	3.197%
21	14.130	1917	1922	1928	rVV	4721338	7950785	30.85%	1.956%
22	14.300	1943	1951	1955	rVV	3104800	6149829	23.86%	1.513%
23	14.330	1955	1956	1966	rVB	1289828	1277543	4.96%	0.314%
24	14.424	1966	1972	1974	rBV2	666361	1139828	4.42%	0.280%
25	14.459	1974	1978	1986	rVB	2699340	4212966	16.35%	1.037%
26	14.712	2012	2021	2029	rBV	1759537	3018139	11.71%	0.743%
27	14.823	2029	2040	2051	rVB3	5537251	14426352	55.98%	3.550%
28	14.929	2051	2058	2067	rBV	1657537	4006453	15.55%	0.986%
29	15.011	2067	2072	2076	rBV	458621	836099	3.24%	0.206%
30	15.123	2080	2091	2098	rVB3	2481671	5155411	20.01%	1.269%
31	15.199	2098	2104	2110	rVB	1979699	3059316	11.87%	0.753%
32	15.340	2120	2128	2133	rBV3	1933441	4280793	16.61%	1.053%
33	15.399	2133	2138	2141	rVV	1382889	1884819	7.31%	0.464%
34	15.517	2148	2158	2161	rBV3	1222806	3268070	12.68%	0.804%

LSC Area Percent Report

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Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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

35	15.552	2161	2164	2168	rVB	1058587	1363565	5.29%	0.336%
36	15.605	2168	2173	2178	rBV	1720377	2519751	9.78%	0.620%
37	15.728	2190	2194	2198	rVB	1620343	2284036	8.86%	0.562%
38	15.799	2198	2206	2213	rVB2	4153929	8930586	34.65%	2.198%
39	15.875	2213	2219	2221	rBV4	662539	1117948	4.34%	0.275%
40	15.940	2227	2230	2234	rVB3	818367	1083360	4.20%	0.267%
41	15.993	2234	2239	2243	rBV4	1572361	2626042	10.19%	0.646%
42	16.069	2247	2252	2257	rVB3	552103	1158384	4.50%	0.285%
43	16.198	2266	2274	2284	rVB2	2160623	4570963	17.74%	1.125%
44	16.433	2305	2314	2320	rBV3	1145998	2456126	9.53%	0.604%
45	16.780	2364	2373	2378	rVV2	1849233	4713865	18.29%	1.160%
46	16.833	2378	2382	2387	rVV	1778850	2720511	10.56%	0.669%
47	16.927	2393	2398	2403	rVV3	1208760	2003087	7.77%	0.493%
48	17.044	2403	2418	2423	rVV7	657658	2737729	10.62%	0.674%
49	17.132	2429	2433	2440	rVV2	973469	1804137	7.00%	0.444%
50	17.203	2441	2445	2450	rVV6	476144	992307	3.85%	0.244%
51	17.303	2455	2462	2470	rVB2	1904296	3831439	14.87%	0.943%
52	17.567	2489	2507	2511	rBV	7588782	23550967	91.39%	5.795%
53	17.638	2513	2519	2528	rVB	3914723	7435479	28.85%	1.830%
54	17.884	2556	2561	2568	rBV3	391838	1011953	3.93%	0.249%
55	17.990	2575	2579	2583	rVV	619340	844574	3.28%	0.208%
56	18.061	2586	2591	2599	rVB2	1697611	2776740	10.77%	0.683%
57	18.202	2609	2615	2621	rVB	1012514	2073555	8.05%	0.510%
58	18.366	2635	2643	2647	rVV	4070204	7664880	29.74%	1.886%
59	18.419	2647	2652	2658	rVB	4558804	7477519	29.02%	1.840%
60	18.496	2659	2665	2670	rBV	1895726	3279710	12.73%	0.807%
61	18.566	2670	2677	2681	rVV2	5553733	11803129	45.80%	2.904%
62	18.607	2681	2684	2688	rVB	3578404	4649099	18.04%	1.144%
63	18.848	2719	2725	2729	rBV	1760928	2792511	10.84%	0.687%
64	18.901	2732	2734	2741	rVB3	710163	989610	3.84%	0.244%
65	19.083	2757	2765	2770	rBV2	968827	2212160	8.58%	0.544%
66	19.136	2770	2774	2778	rBV	754576	919921	3.57%	0.226%
67	19.177	2778	2781	2786	rVB2	748996	972113	3.77%	0.239%
68	19.271	2786	2797	2801	rBV	2996608	5965174	23.15%	1.468%
69	19.330	2801	2807	2810	rBV4	1238253	2479420	9.62%	0.610%
70	19.400	2815	2819	2821	rBV	627024	878949	3.41%	0.216%
71	19.547	2835	2844	2848	rBV2	4183441	8860620	34.38%	2.180%

LSC Area Percent Report

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Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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

72	19.624	2853	2857	2862	rVB2	574893	909000	3.53%	0.224%
73	19.688	2862	2868	2872	rBV	1990784	3166544	12.29%	0.779%
74	19.776	2878	2883	2885	rBV2	496945	804904	3.12%	0.198%
75	19.917	2894	2907	2911	rBV	5397337	13849718	53.74%	3.408%
76	19.953	2911	2913	2918	rVV	692012	894612	3.47%	0.220%
77	20.041	2925	2928	2932	rVV3	511494	978496	3.80%	0.241%
78	20.111	2936	2940	2947	rVV5	461070	844728	3.28%	0.208%
79	20.217	2950	2958	2964	rVB2	1166440	2649568	10.28%	0.652%
80	20.382	2974	2986	2992	rVB	2268165	6234992	24.19%	1.534%
81	20.446	2992	2997	2999	rBV2	535416	861138	3.34%	0.212%
82	20.481	2999	3003	3007	rVV	1664200	2288563	8.88%	0.563%
83	20.540	3008	3013	3017	rVV	1518127	1990025	7.72%	0.490%
84	20.681	3032	3037	3040	rVV	1616370	2472656	9.59%	0.608%
85	20.722	3040	3044	3051	rVB	2113054	3279548	12.73%	0.807%
86	21.093	3101	3107	3112	rBV3	408648	1145795	4.45%	0.282%
87	21.328	3144	3147	3150	rVV	623763	931099	3.61%	0.229%
88	21.369	3150	3154	3158	rVB	871058	1365173	5.30%	0.336%
89	21.745	3209	3218	3223	rBV	2843575	6311546	24.49%	1.553%
90	21.815	3224	3230	3239	rVB	2646653	5261749	20.42%	1.295%
91	22.027	3261	3266	3276	rVB3	611606	1298602	5.04%	0.320%
92	22.497	3336	3346	3353	rVV	925791	2286367	8.87%	0.563%
93	22.567	3353	3358	3363	rVB	543858	974919	3.78%	0.240%
94	22.773	3388	3393	3398	rBV	409009	859895	3.34%	0.212%
95	24.007	3593	3603	3609	rBV	722934	2533693	9.83%	0.623%
96	24.254	3638	3645	3656	rVB	298869	810792	3.15%	0.200%
97	24.735	3718	3727	3734	rBV	617703	1841687	7.15%	0.453%
98	24.906	3746	3756	3764	rVB	1204484	3502471	13.59%	0.862%
99	28.795	4407	4418	4435	rVB2	312396	1543884	5.99%	0.380%
100	29.982	4608	4620	4638	rVB	247644	1212422	4.70%	0.298%

Sum of corrected areas: 406386331

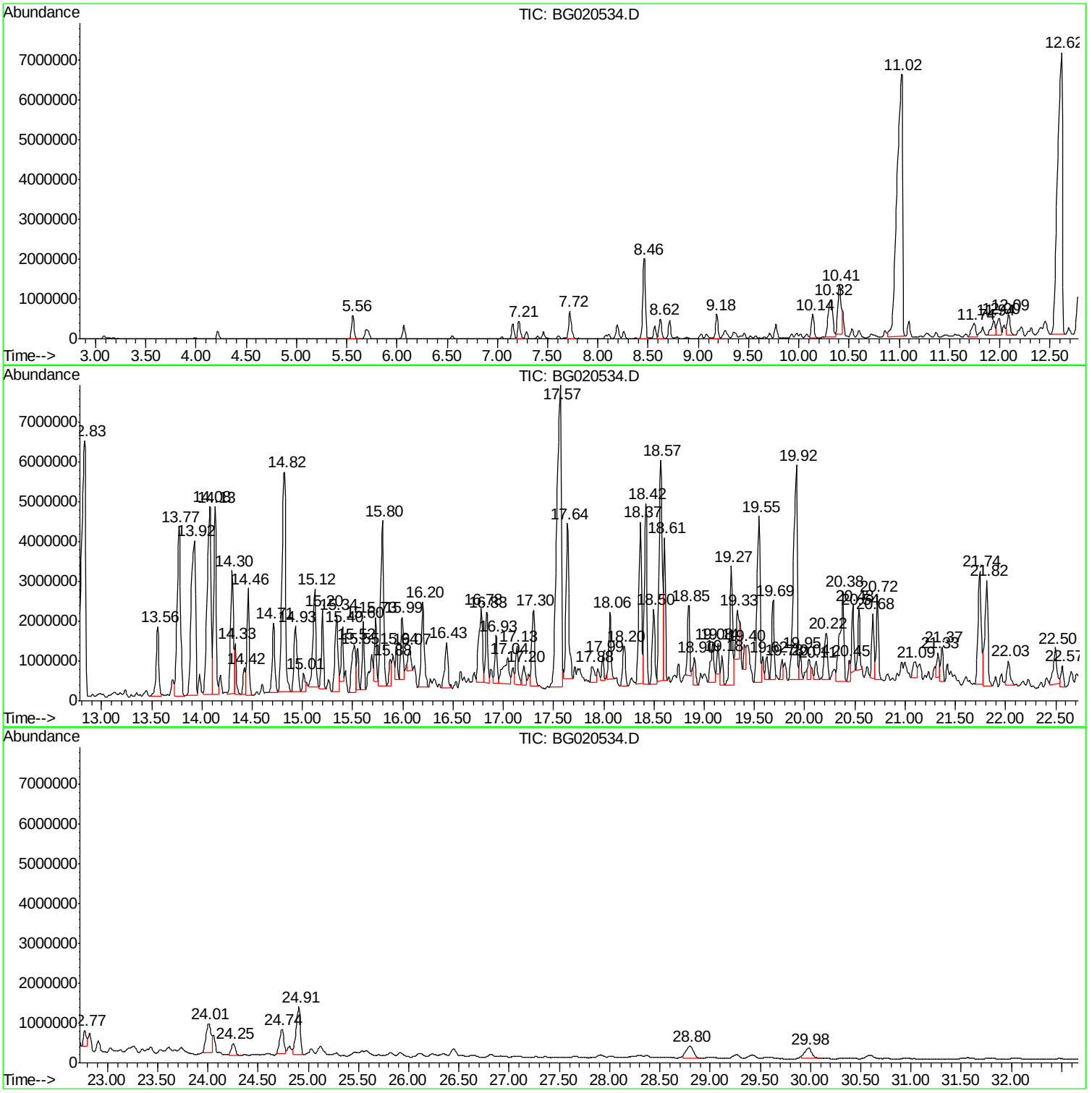
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
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Misc :
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Instrument : BNA_G
ClientSampleId : G9D88

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

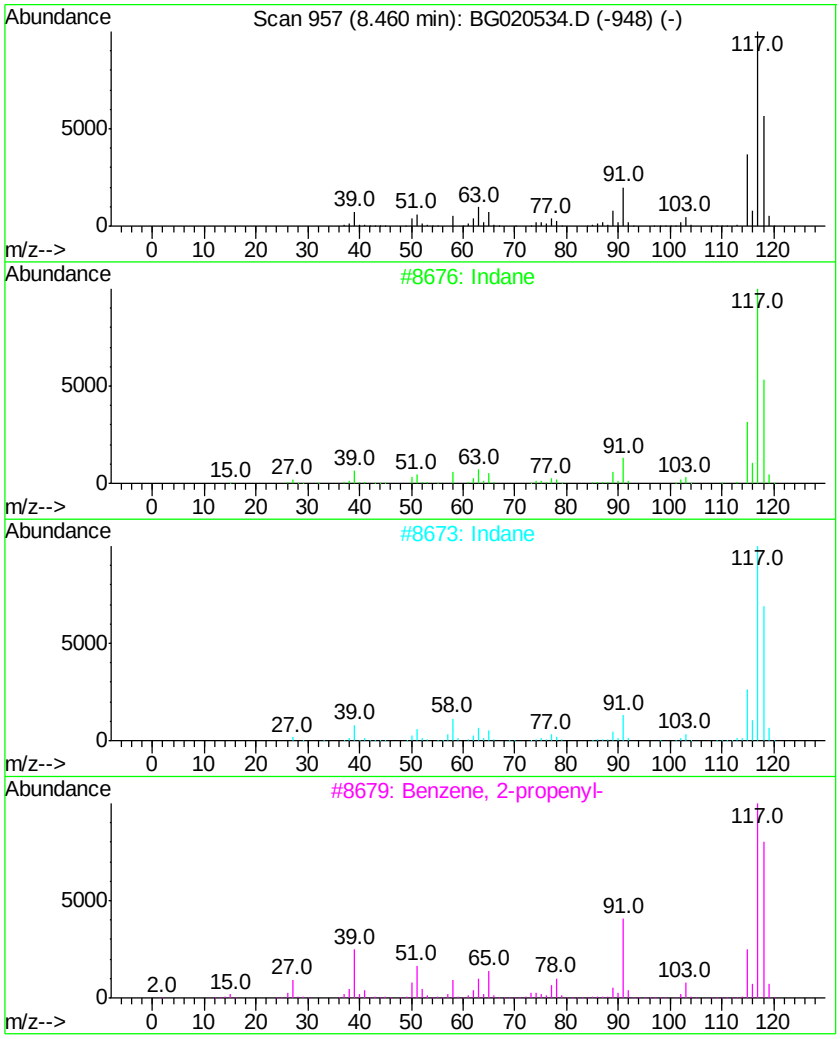
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

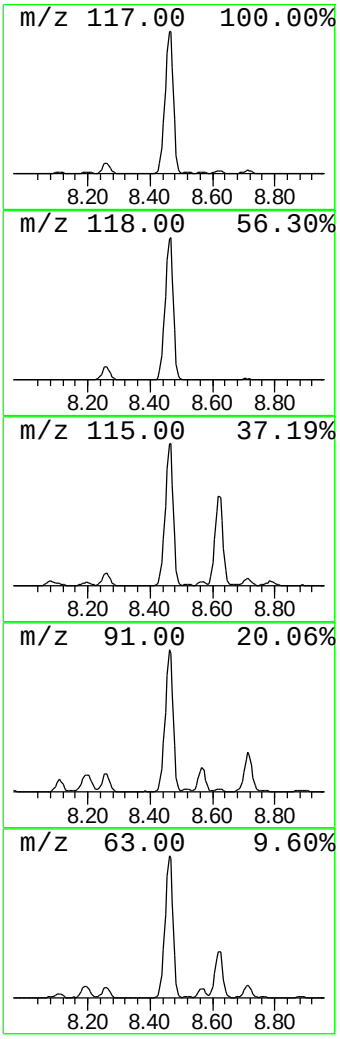
****

Peak Number 3 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	54.80 ng/ul	3739860	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

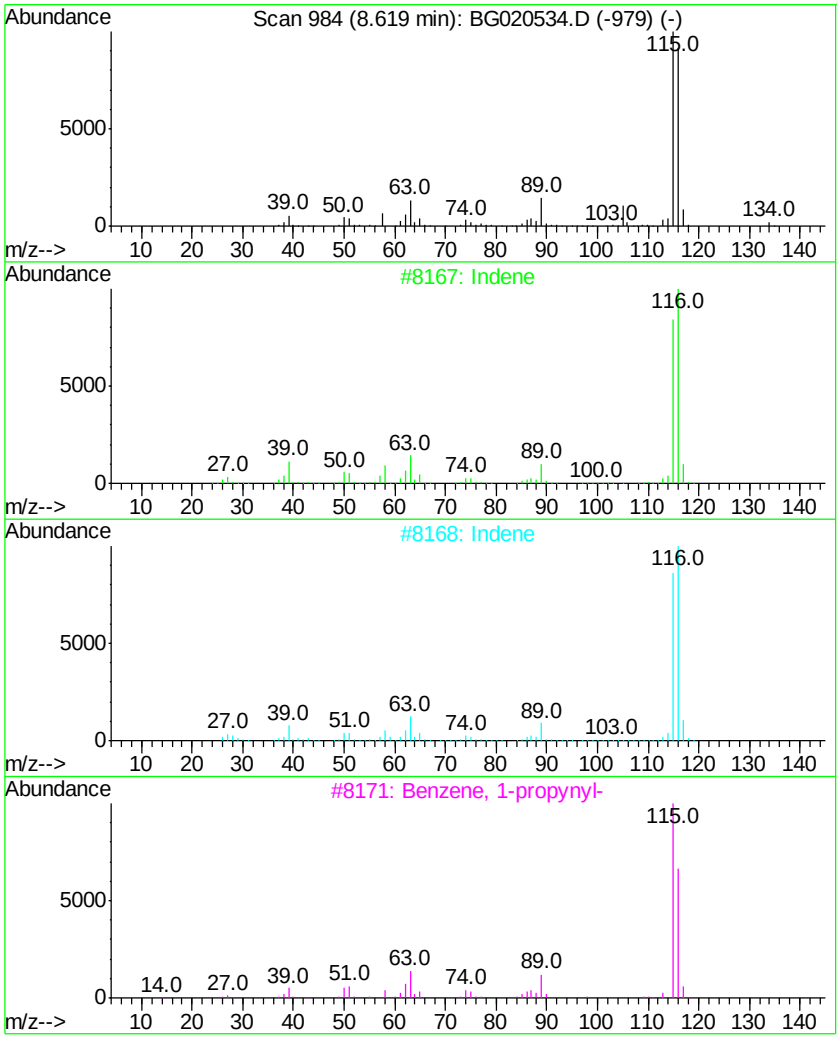
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

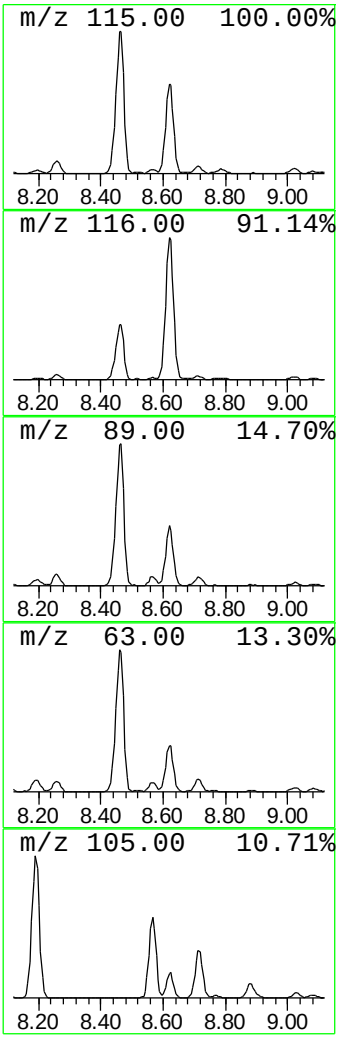
****

Peak Number 4 Indene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	12.67 ng/ul	864499	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

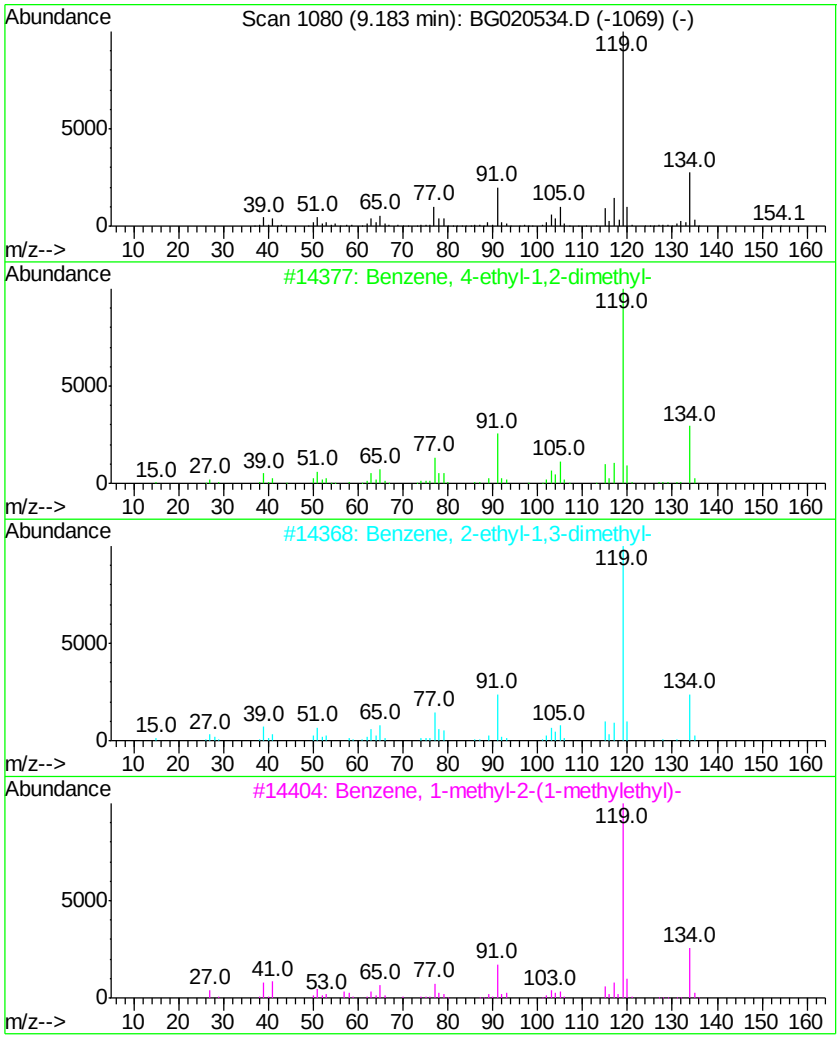
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

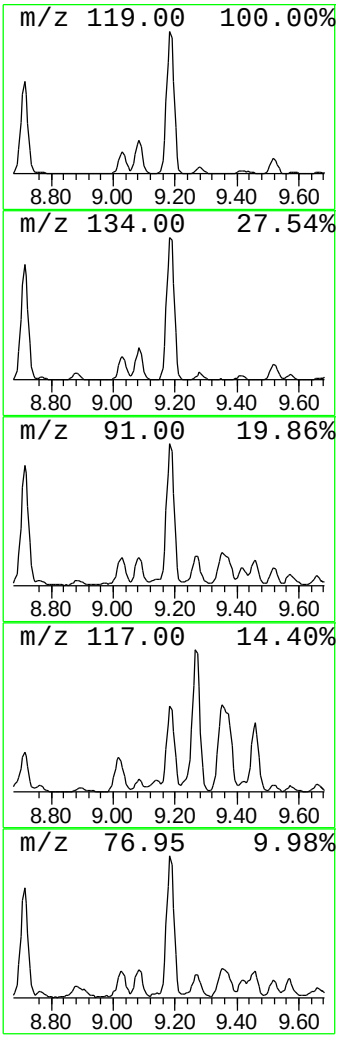
****

Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	15.39 ng/ul	1050120	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

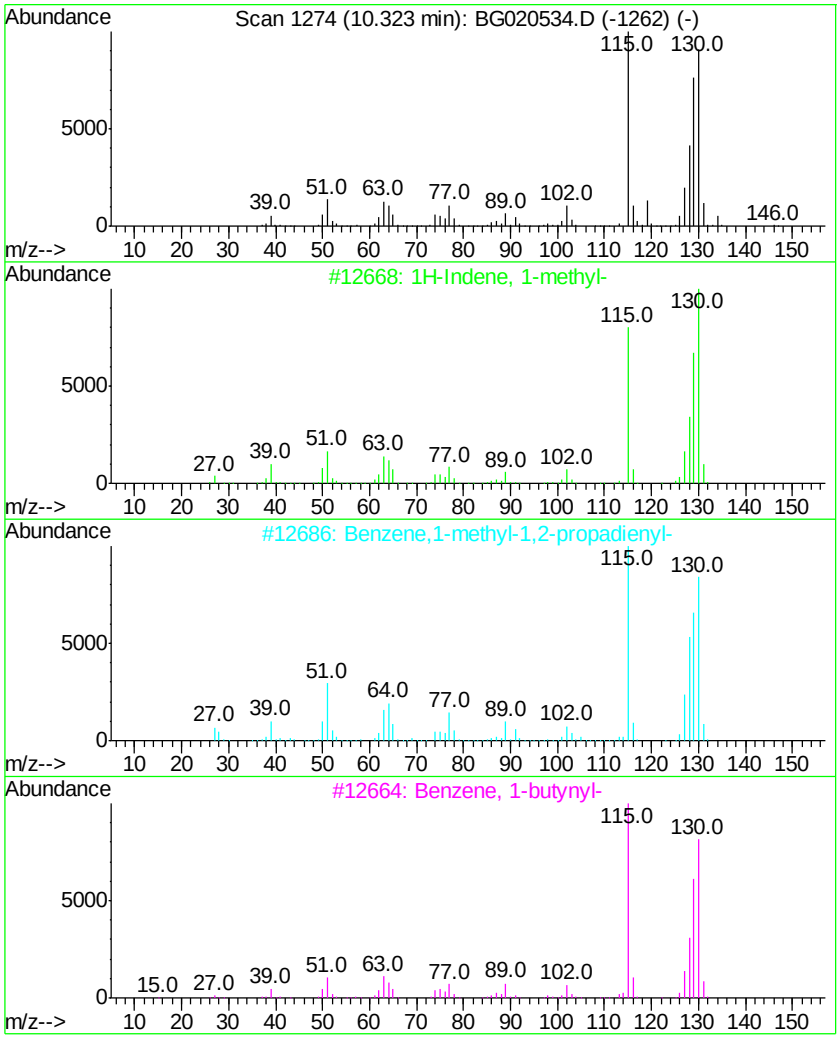
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

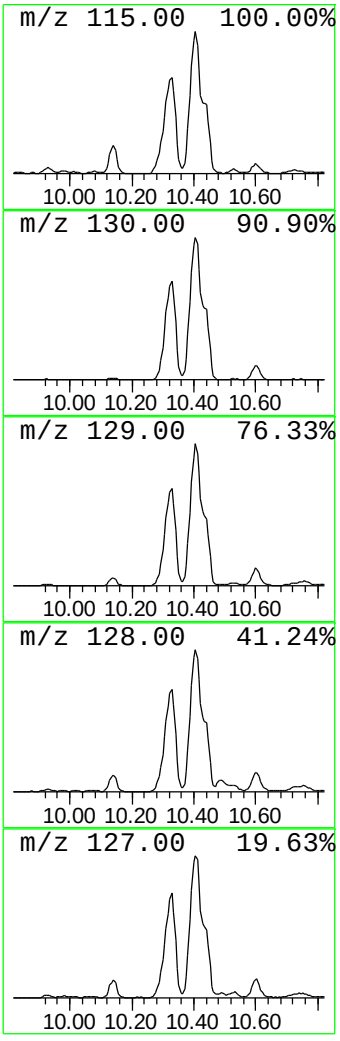
****

Peak Number 6 1H-Indene, 1-methyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	2.44 ng/ul	3143030	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
4	2-Methylindene	130	C10H10	002177-47-1	92
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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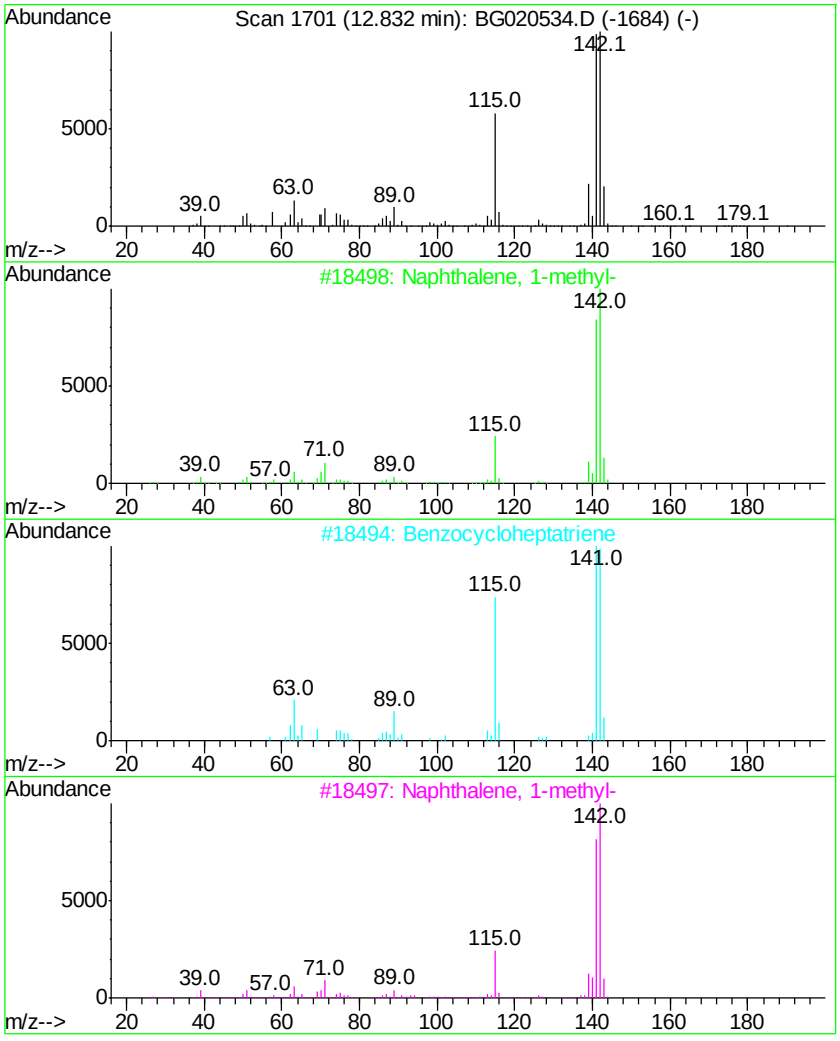
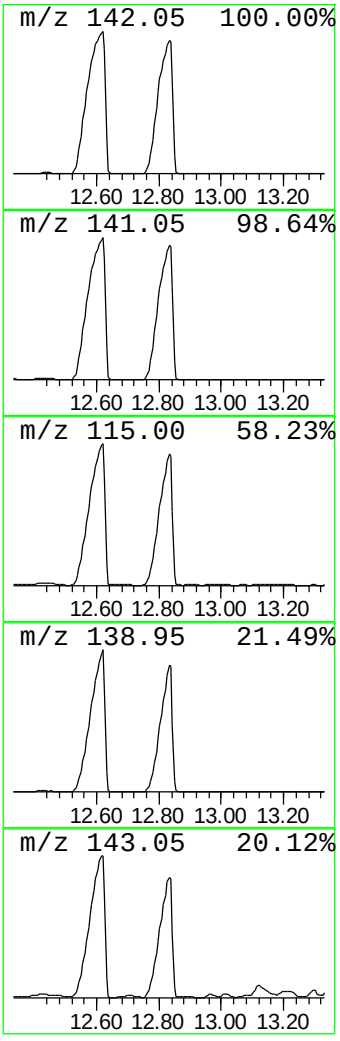
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	126.71 ng/ul	19121700	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Benzocycloheptatriene	142	C11H10	000264-09-5	93
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90





Library Search Compound Report

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Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
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Instrument : BNA_G
ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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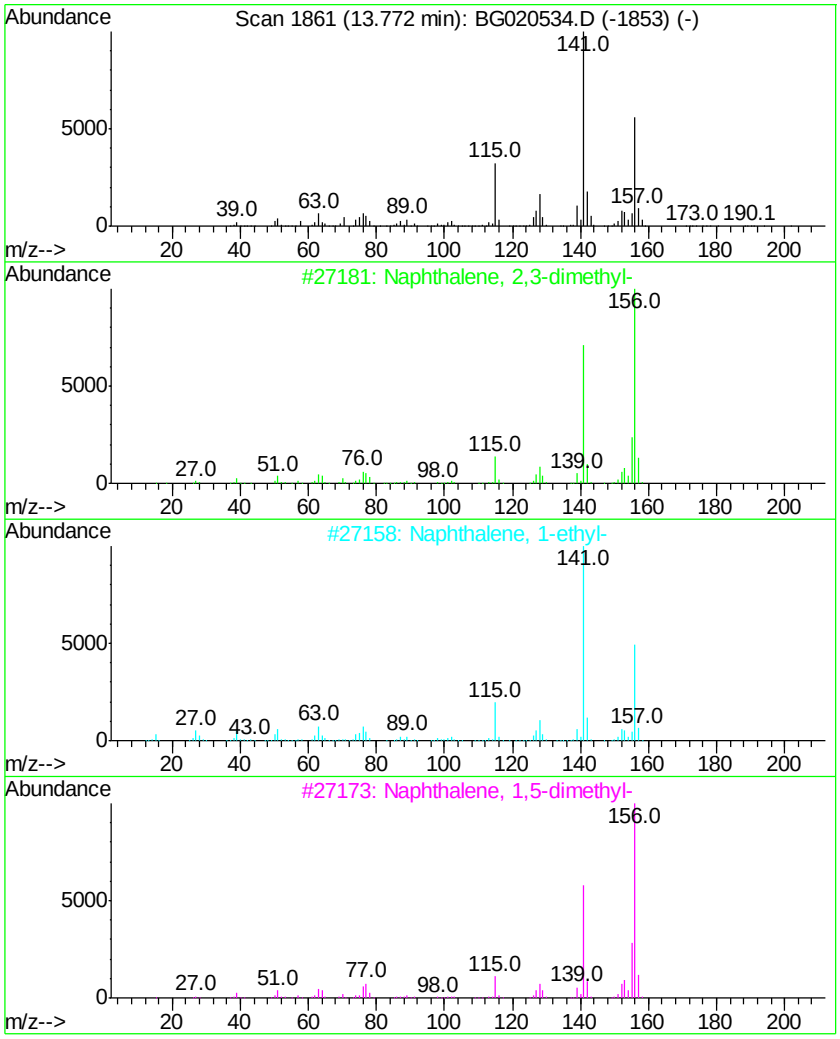
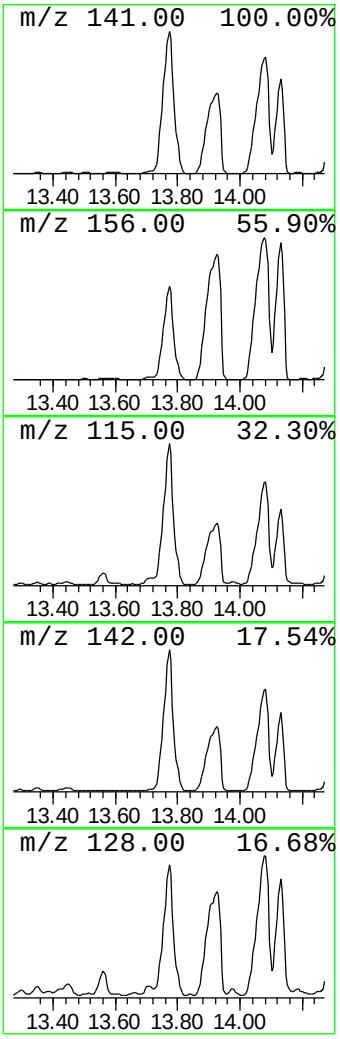
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	65.49 ng/ul	9882330	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91





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Sample : G4802-13
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ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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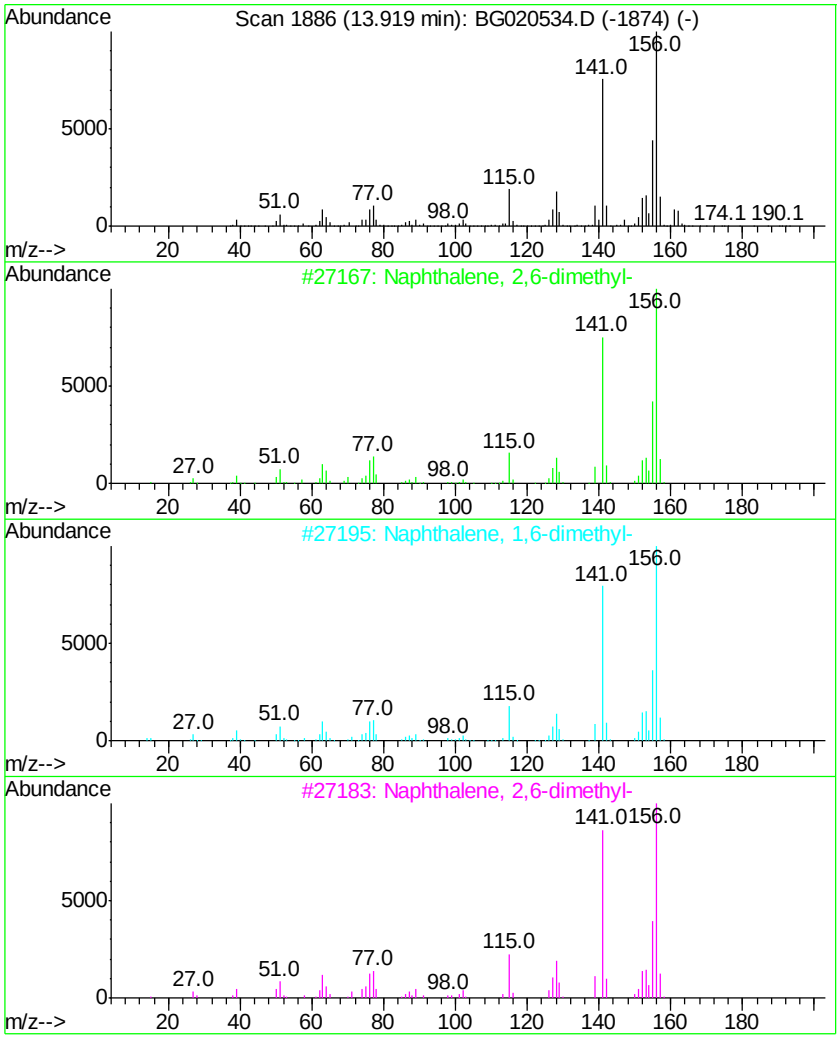
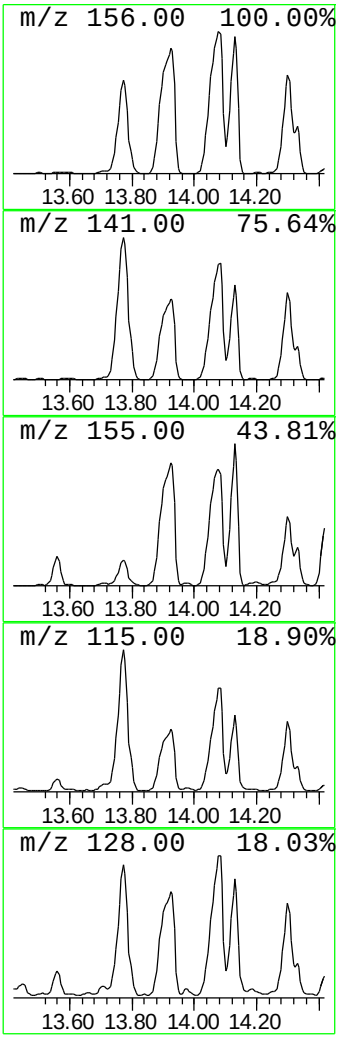
Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	76.93 ng/ul	11608600	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Library Search Compound Report

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Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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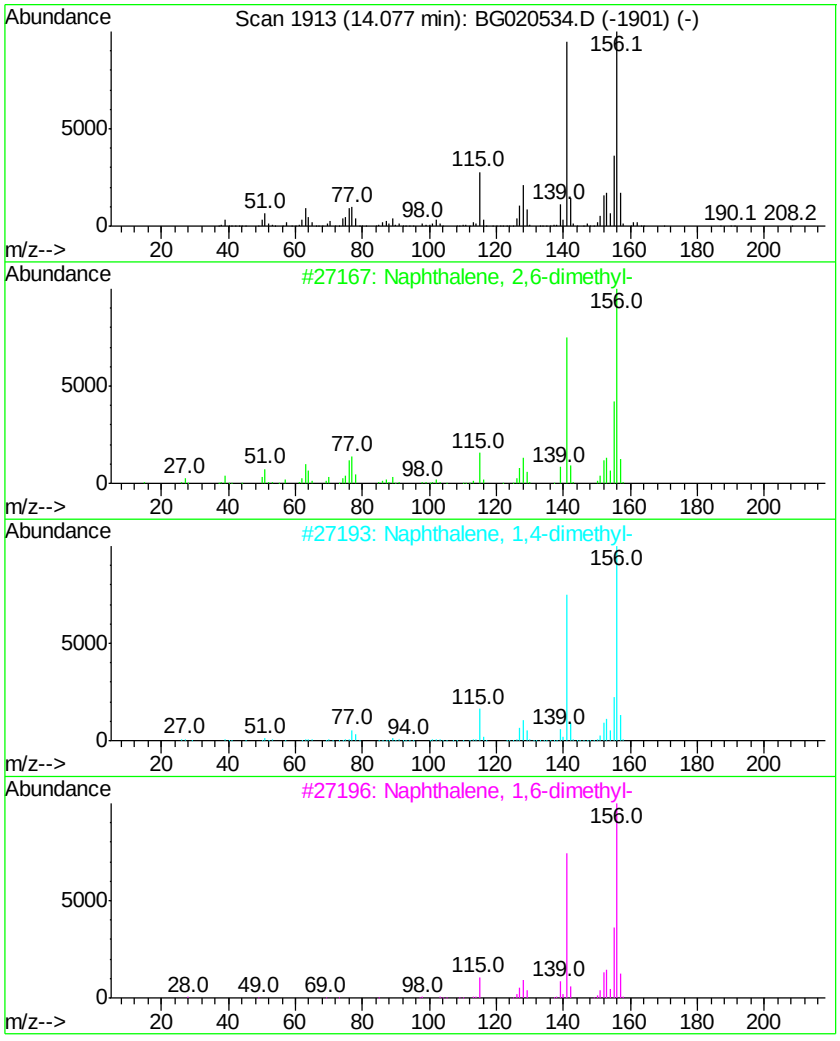
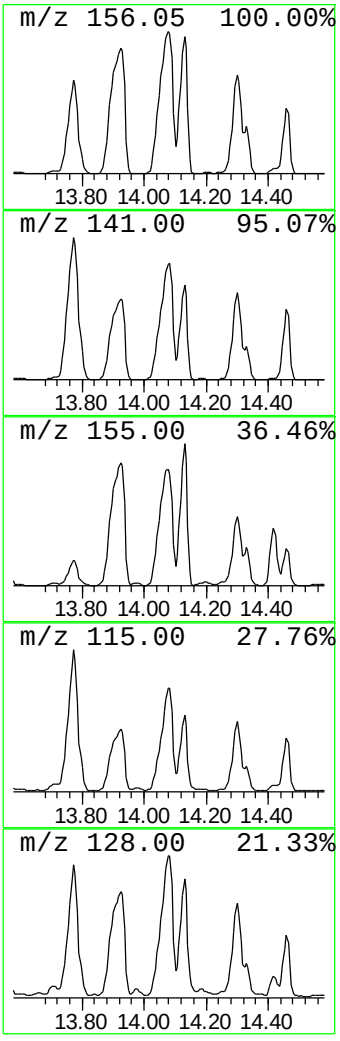
Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	86.08 ng/ul	12990600	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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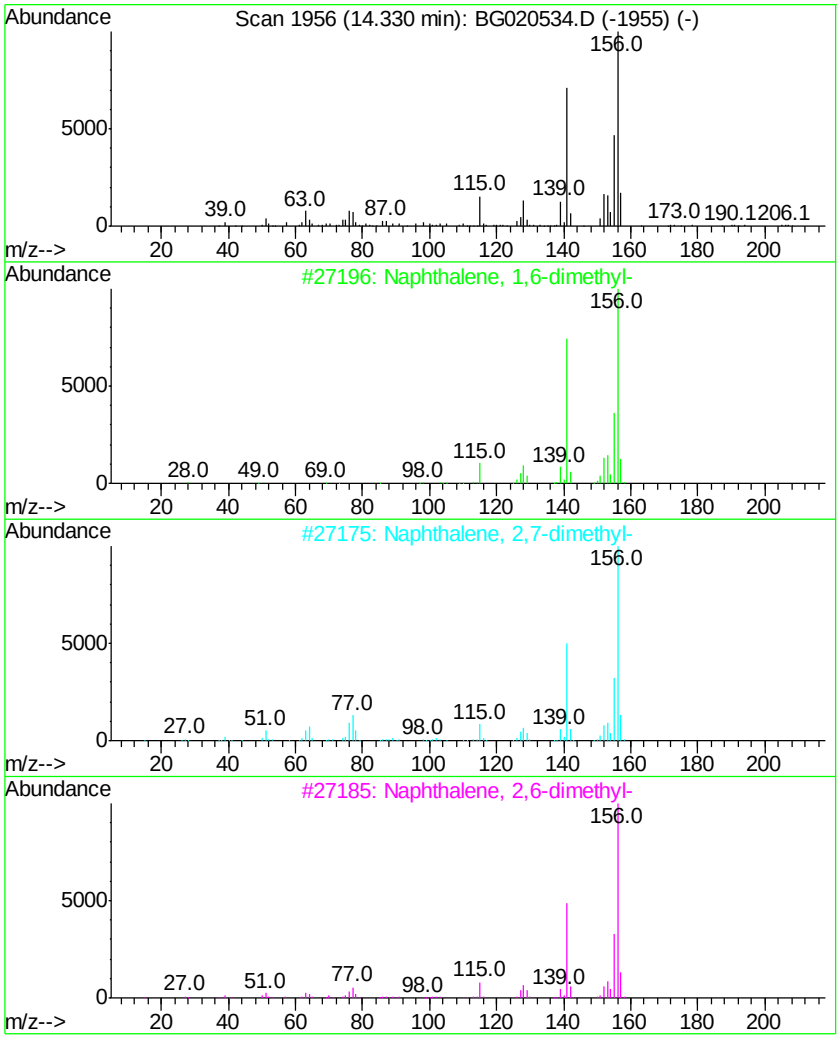
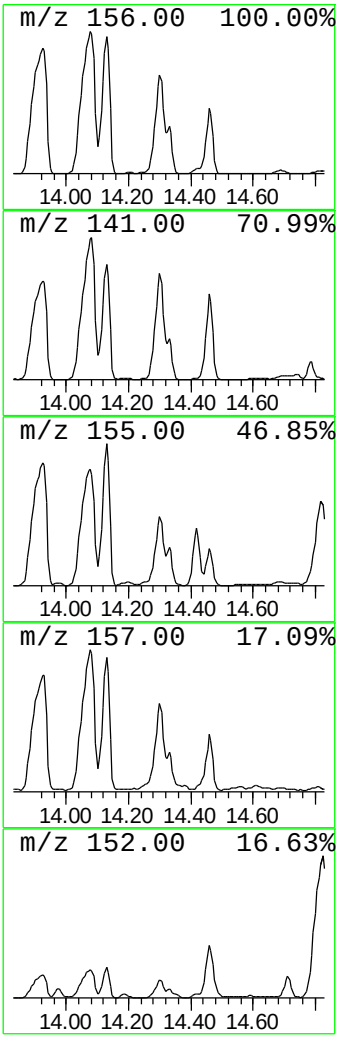
Peak Number 13 Naphthalene, 2,7-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	8.47 ng/ul	1277540	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91





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Instrument : BNA_G
ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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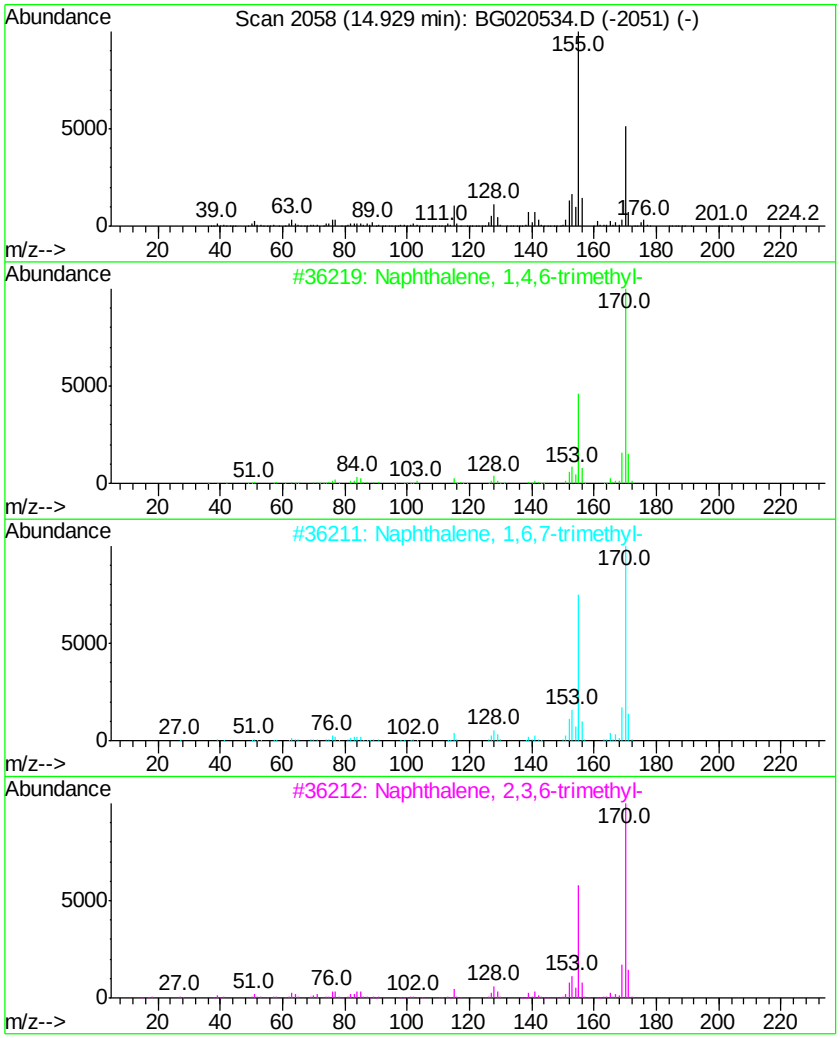
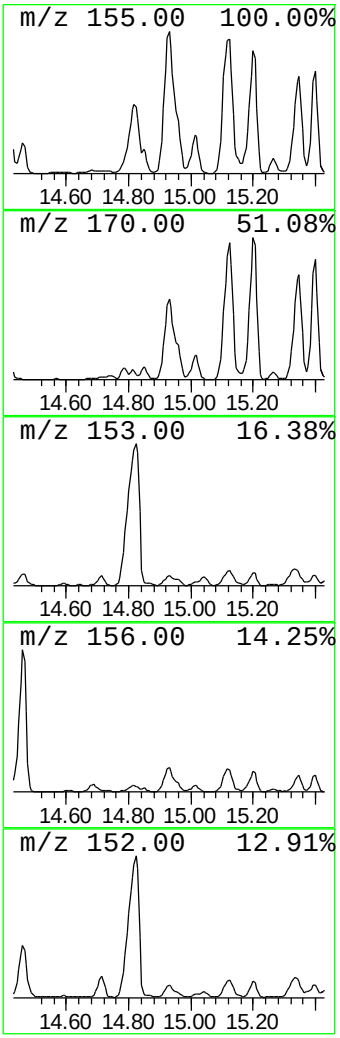
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	26.55 ng/ul	4006450	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91





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Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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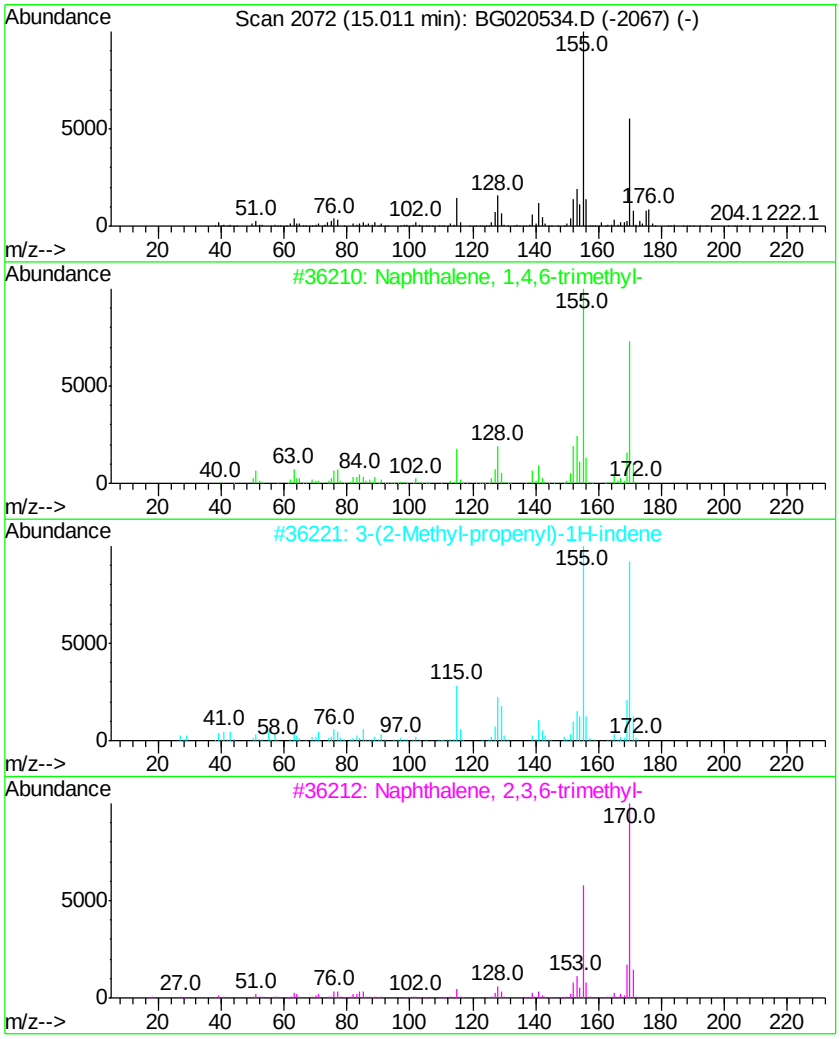
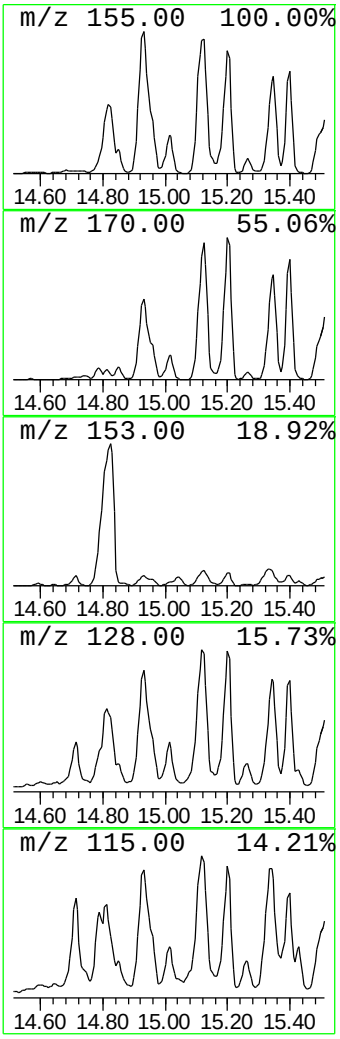
Peak Number 15 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	5.54 ng/ul	836099	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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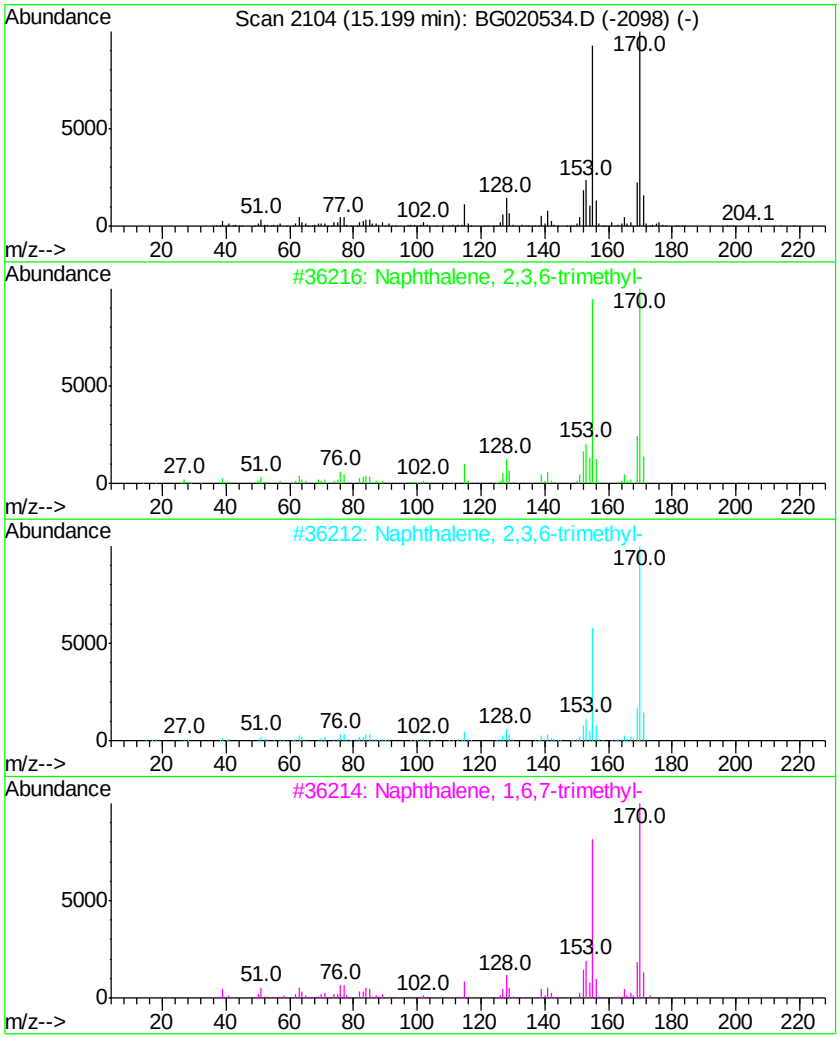
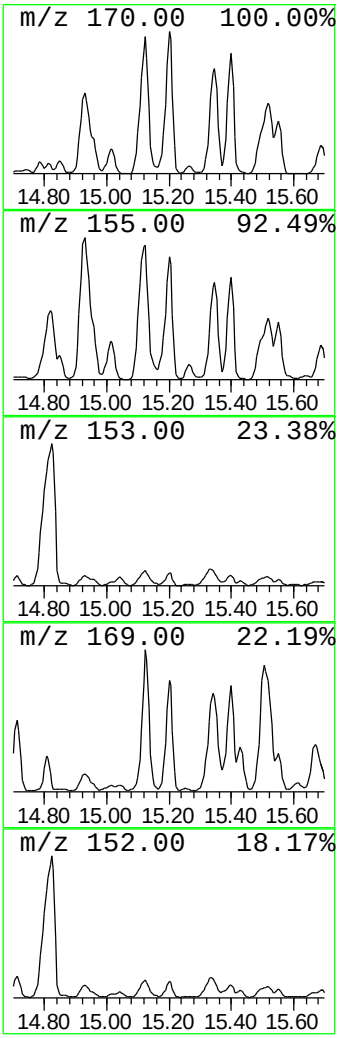
Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	20.27 ng/ul	3059320	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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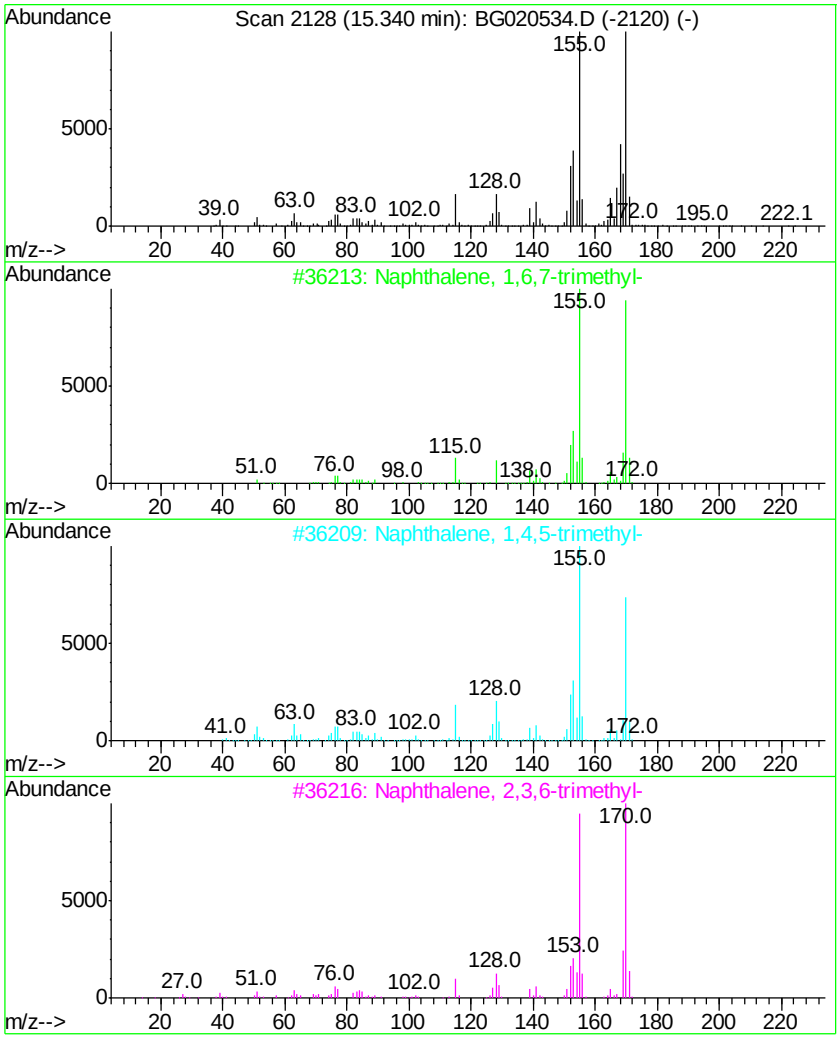
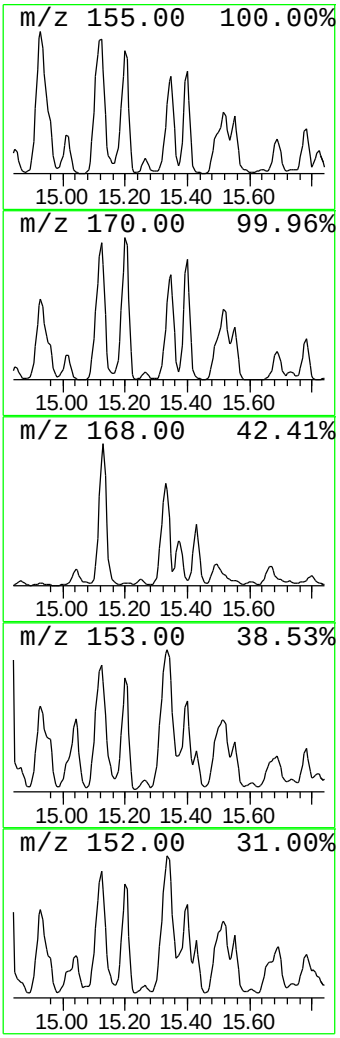
Peak Number 17 Naphthalene, 1,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	28.37 ng/ul	4280790	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	89





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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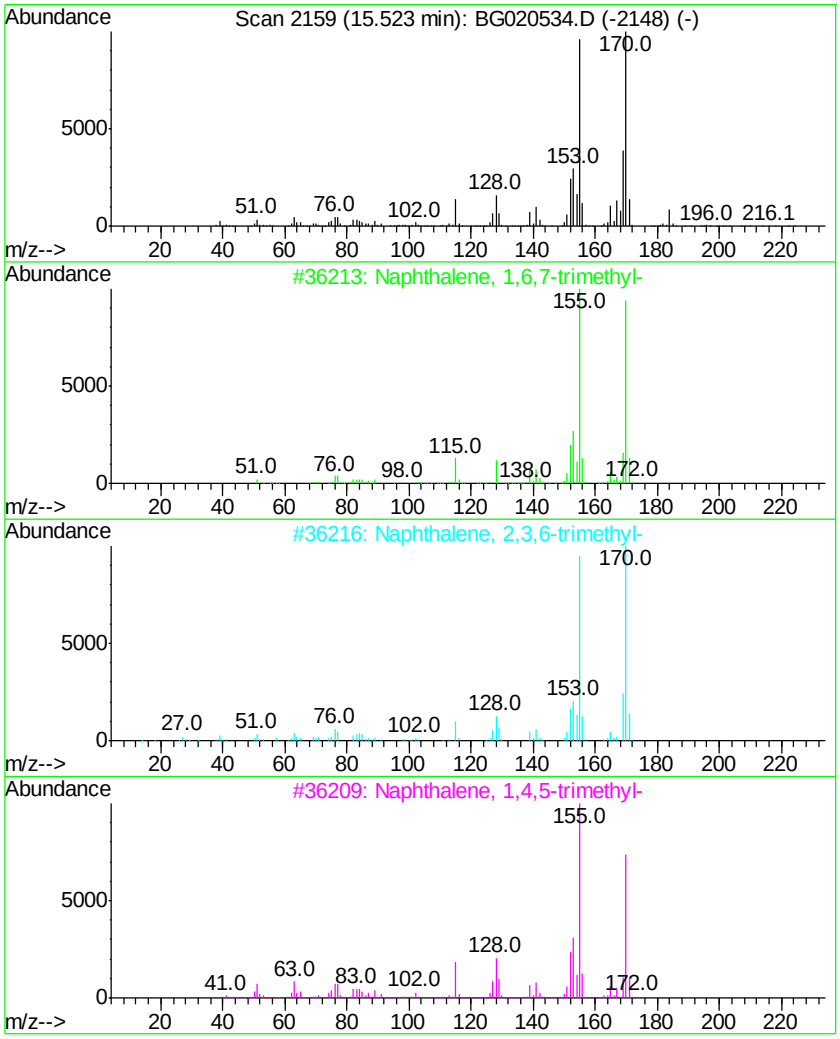
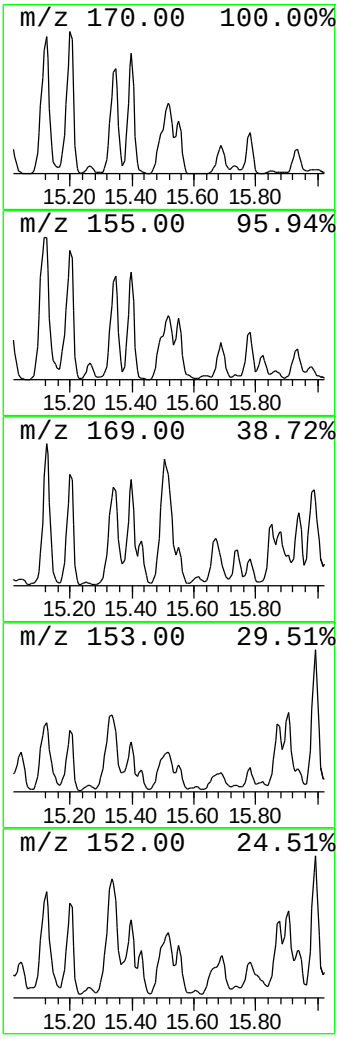
Peak Number 19 Naphthalene, 1,4,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	21.66 ng/ul	3268070	Acenaphthene-d10	14.72

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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89





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Instrument : BNA_G
ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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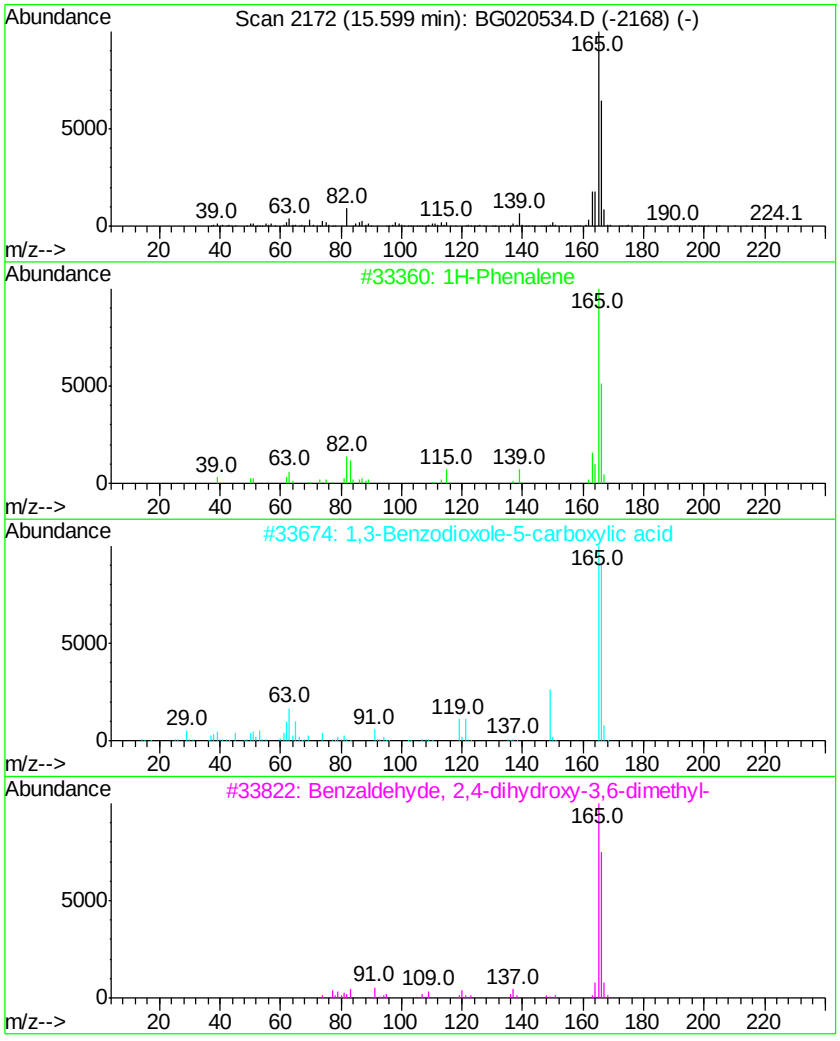
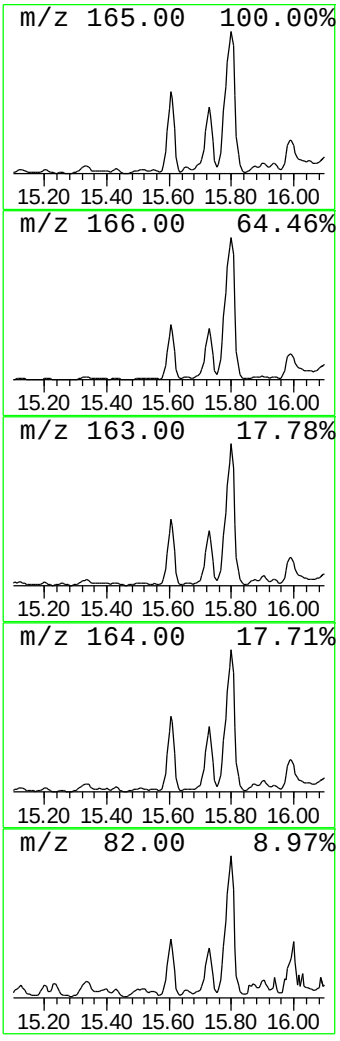
Peak Number 21 1H-Phenalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	16.70 ng/ul	2519750	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	64
3	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	64
4	Fluorene	166	C13H10	000086-73-7	52
5	Fluorene	166	C13H10	000086-73-7	50





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ClientSampleId : G9D88

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Quant Title : SVOA CALIBRATION

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

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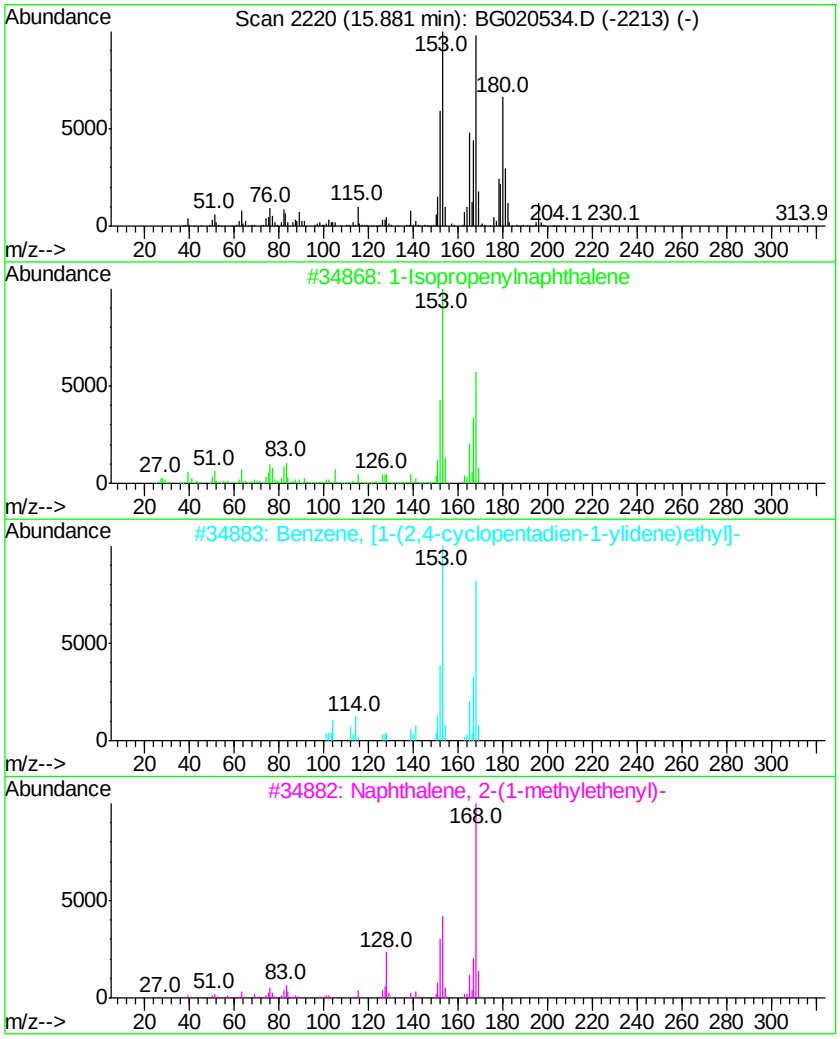
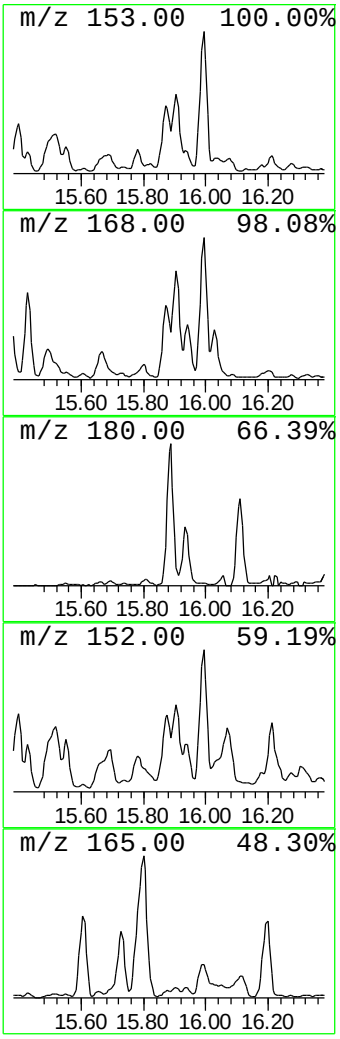
Peak Number 22 1-Isopropenylnaphthalene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.41 ng/ul	1117950	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47
4	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	38
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	25





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ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

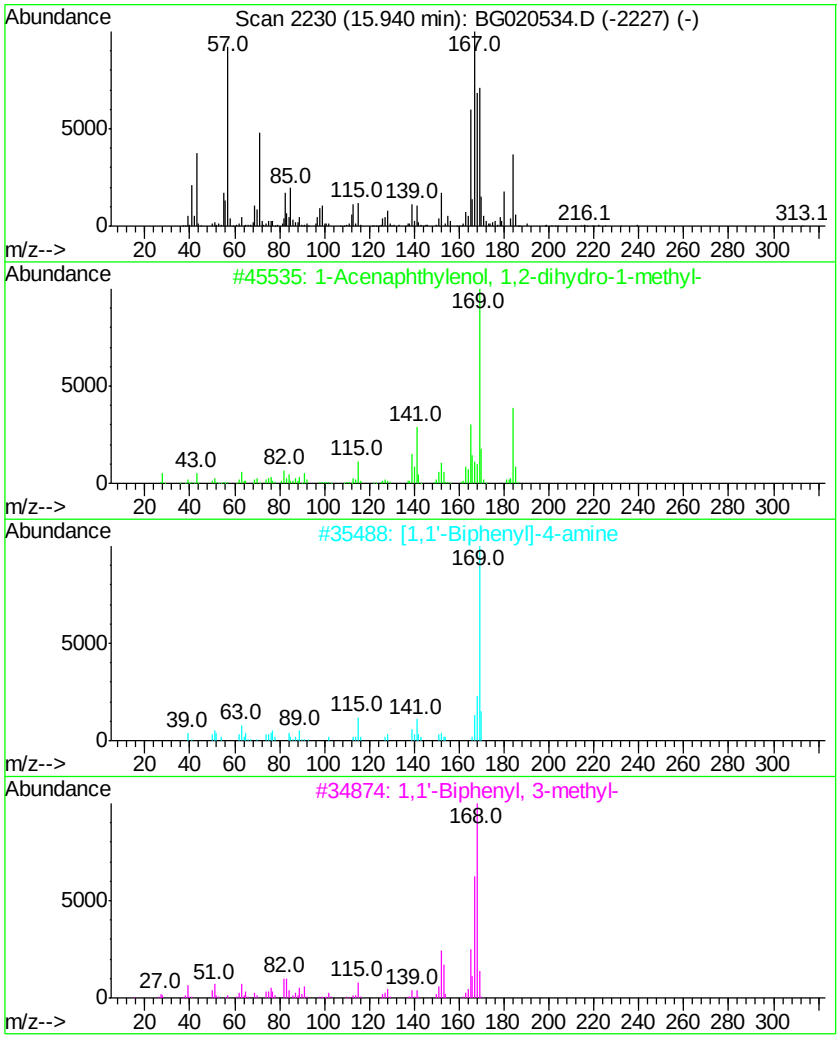
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

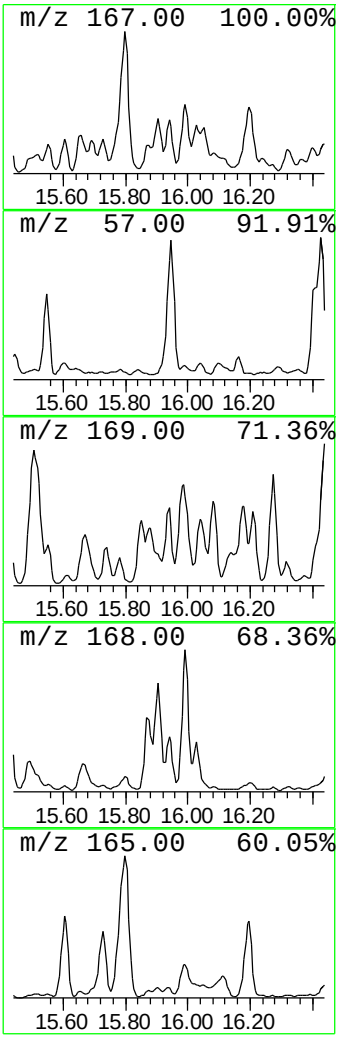
****

Peak Number 23 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	7.18 ng/ul	1083360	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	30
2	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	25
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	20
4	Pyridine, 3-(phenylmethyl)-	169	C12H11N	000620-95-1	20
5	Pyridine, 4-(phenylmethyl)-	169	C12H11N	002116-65-6	18





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

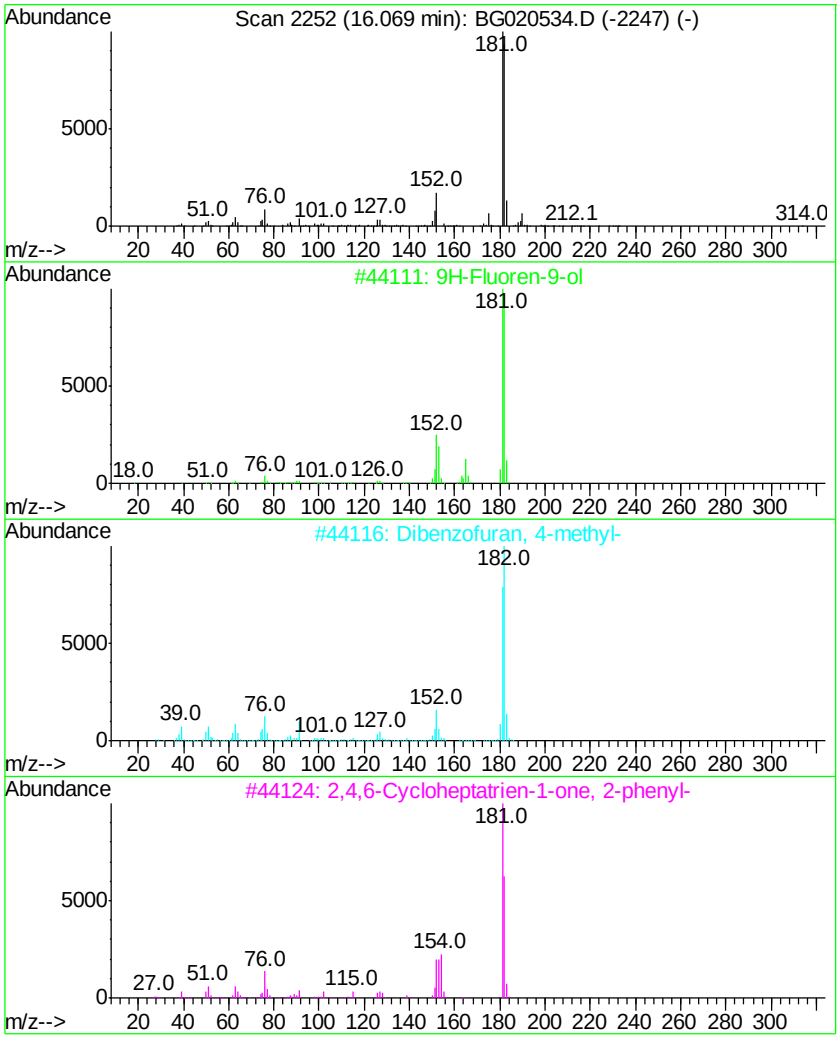
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

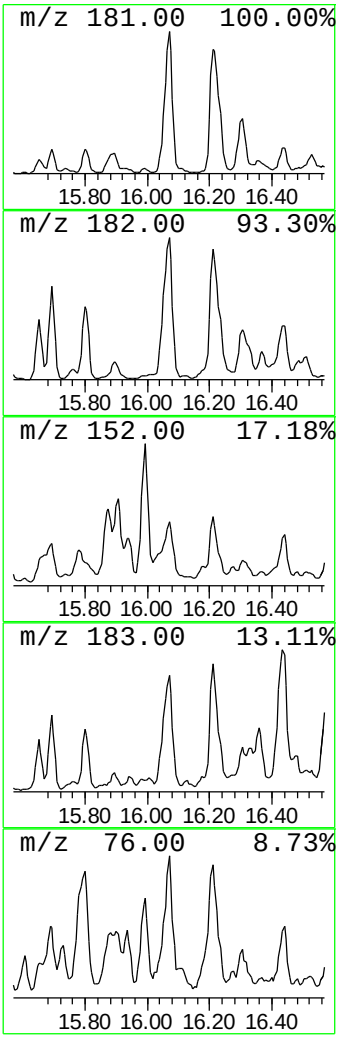
****

Peak Number 25 9H-Fluoren-9-ol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	7.68 ng/ul	1158380	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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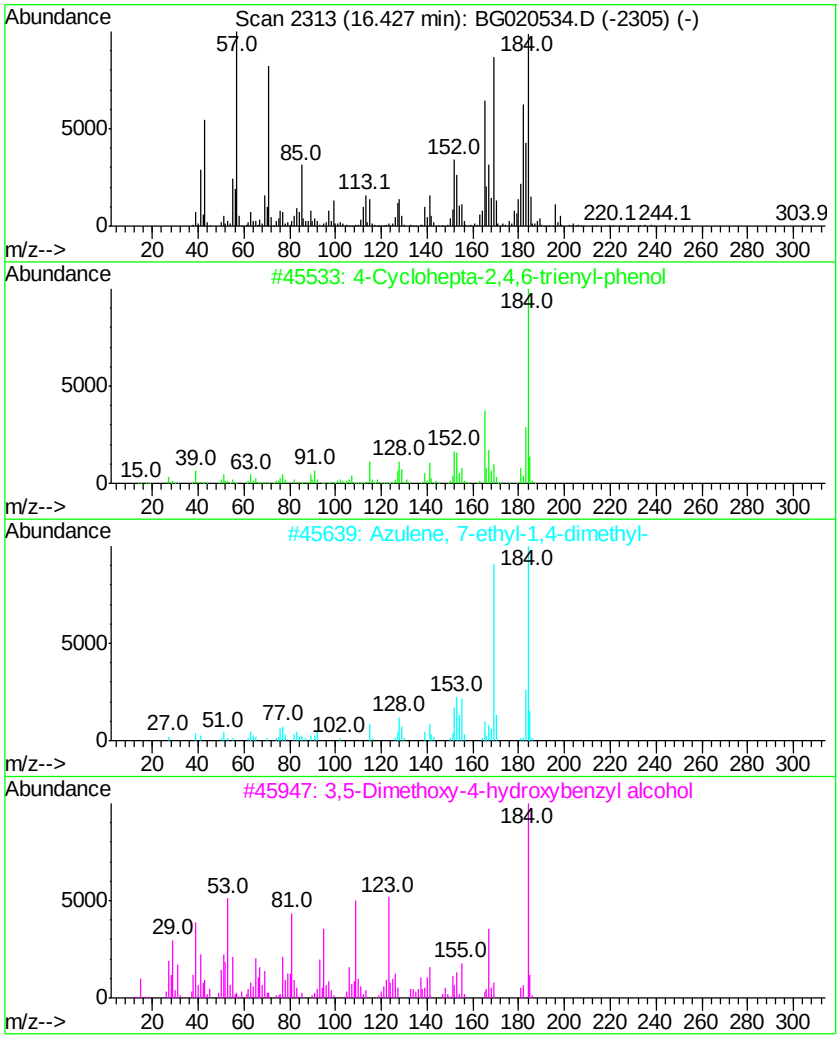
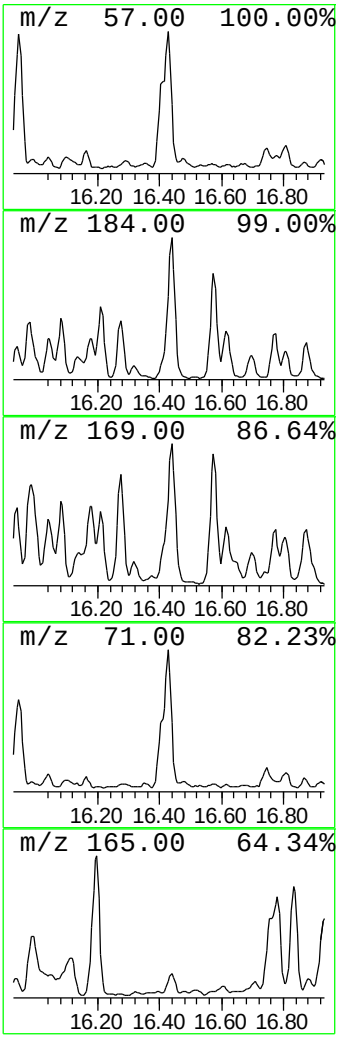
Peak Number 27 4-Cyclohepta-2,4,6-trienyl-... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.09 ng/ul	2456130	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	91
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	64
3	3,5-Dimethoxy-4-hydroxybenzyl al...	184	C9H12O4	000530-56-3	60
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	55
5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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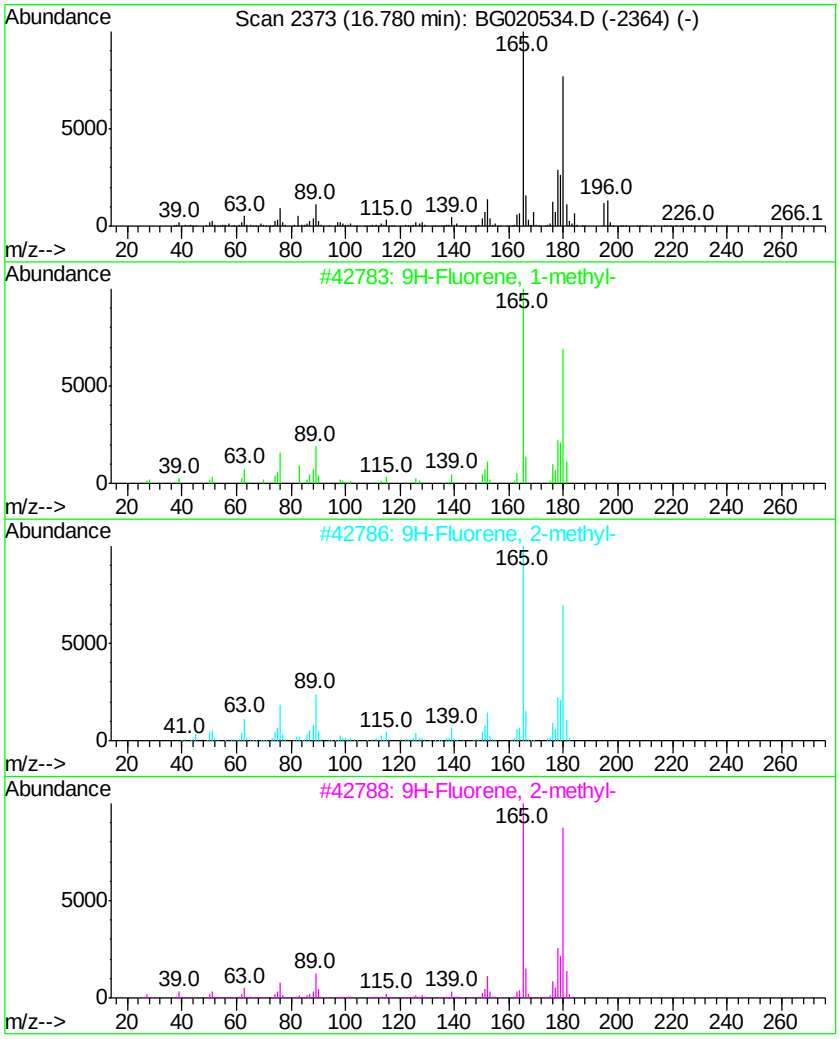
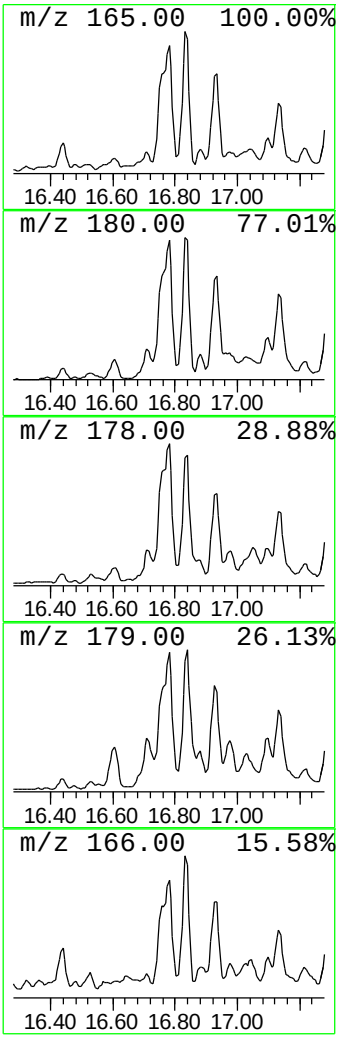
Peak Number 28 9H-Fluorene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	4.00 ng/ul	4713870	Phenanthrene-d10	17.48

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, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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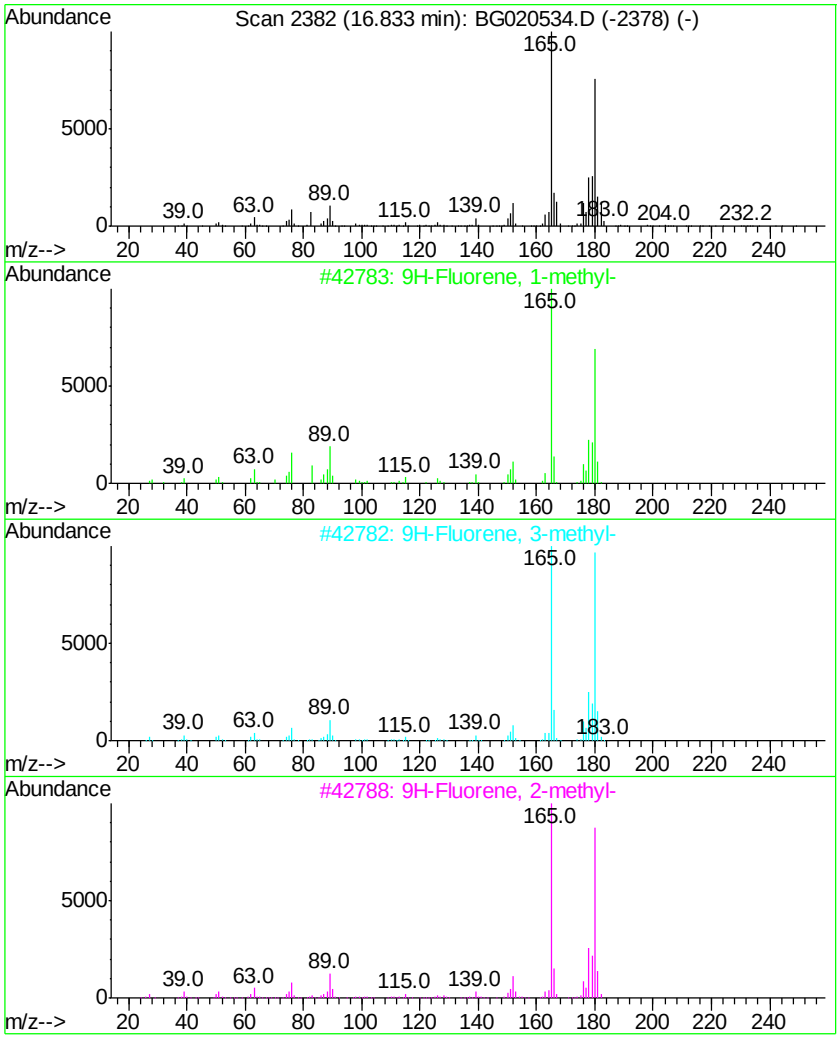
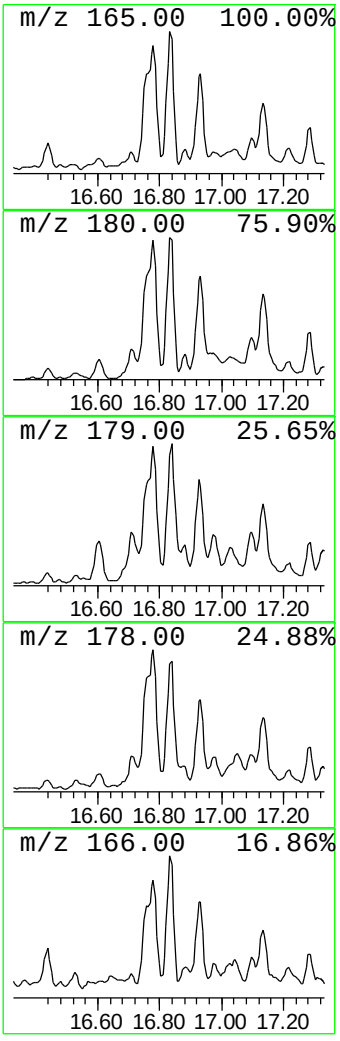
Peak Number 29 9H-Fluorene, 3-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.31 ng/ul	2720510	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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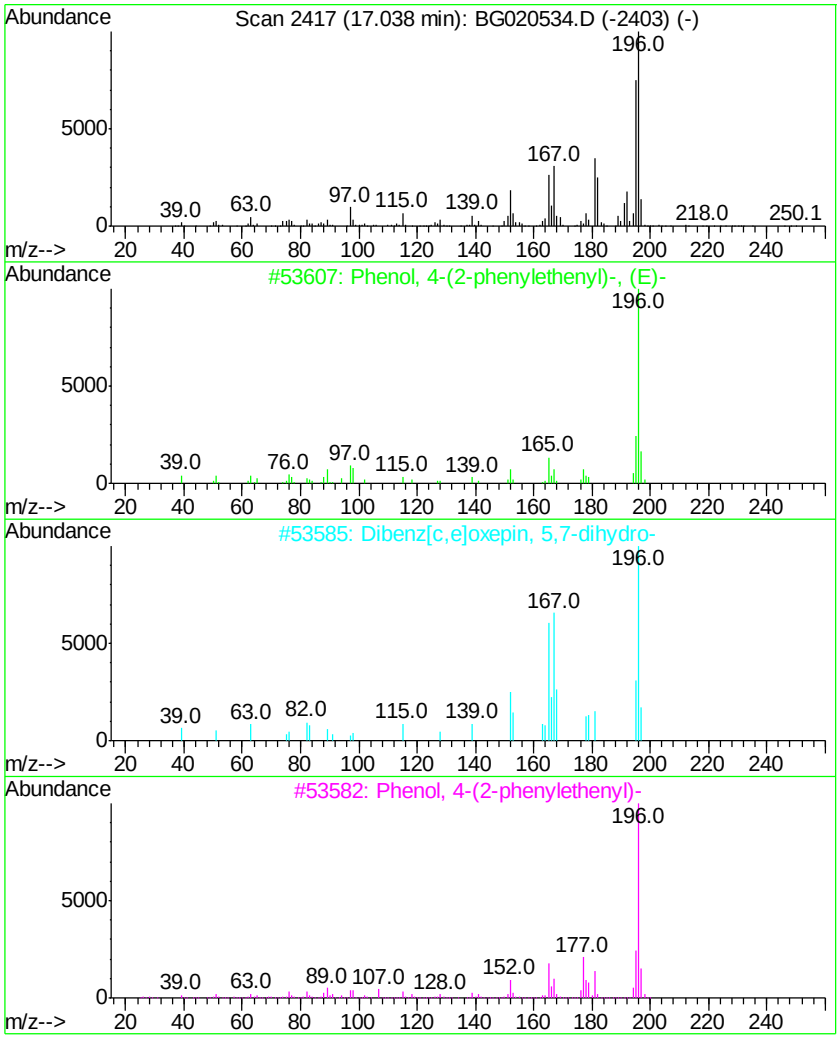
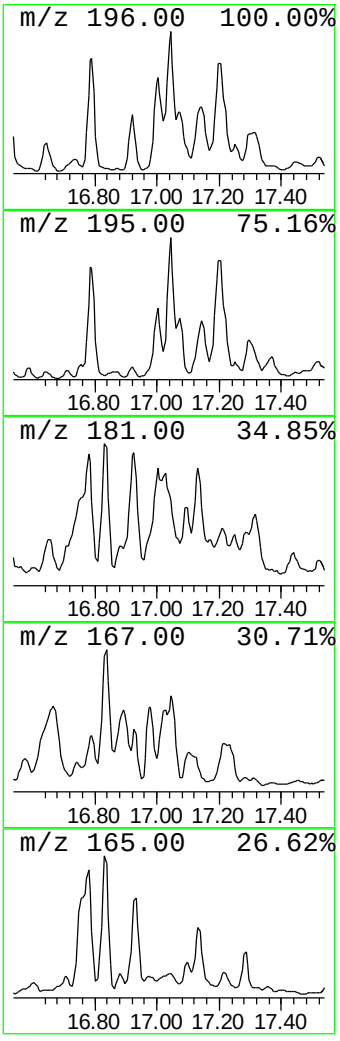
Peak Number 30 Phenol, 4-(2-phenylethenyl)... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.32 ng/ul	2737730	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	55
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	55
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

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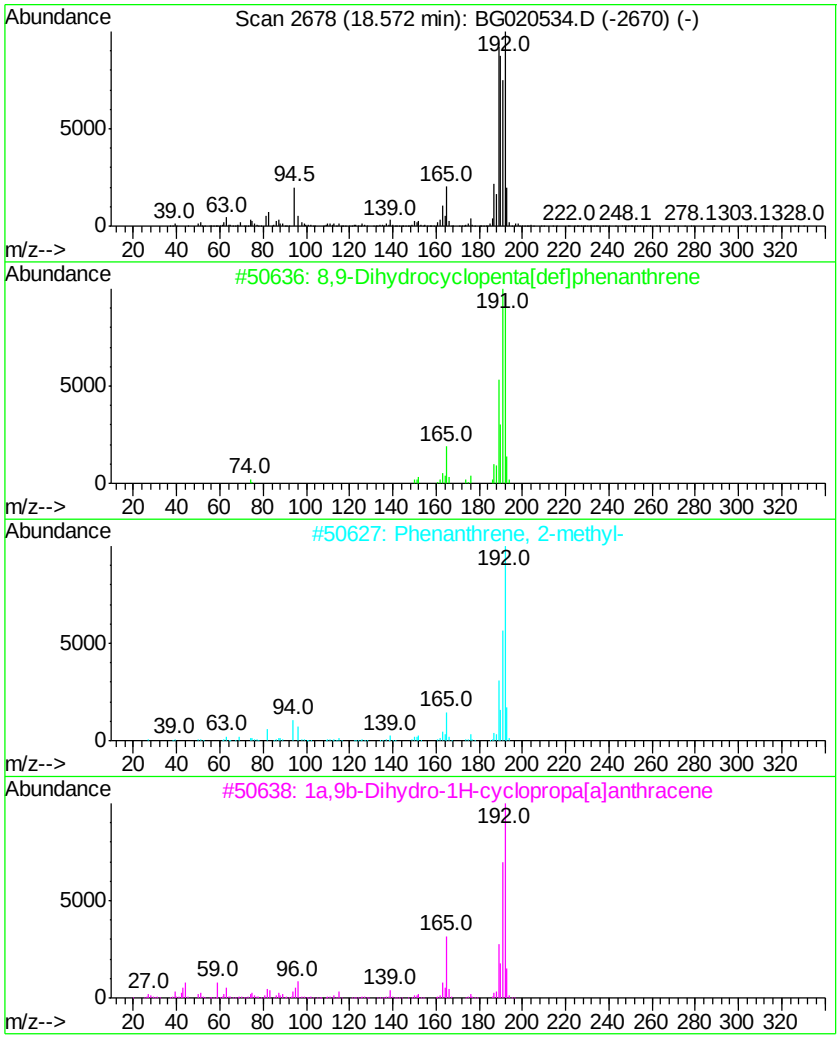
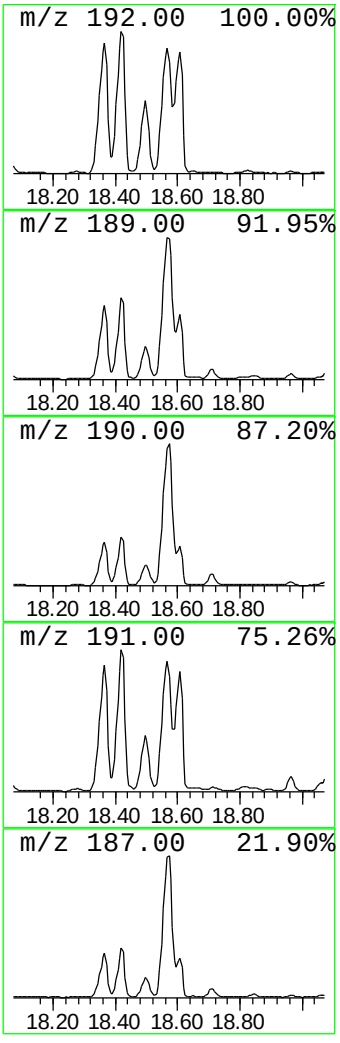
Peak Number 36 8,9-Dihydrocyclopenta[def]p... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	10.02 ng/ul	11803100	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	83
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020534.D
Acq On : 26 Dec 2015 10:55
Operator : UM/SJ
Sample : G4802-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D88

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	8.46	54.8	ng/ul	3739860	1	8.08	1364800	20.0
Indene	8.62	12.7	ng/ul	864499	1	8.08	1364800	20.0
Benzene, 4-ethyl-...	9.18	15.4	ng/ul	1050120	1	8.08	1364800	20.0
1H-Indene, 1-methyl-	10.32	2.4	ng/ul	3143030	2	10.93	25770400	20.0
Naphthalene, 1-me...	12.83	126.7	ng/ul	19121700	3	14.72	3018140	20.0
Naphthalene, 2,3-...	13.77	65.5	ng/ul	9882330	3	14.72	3018140	20.0
Naphthalene, 2,6-...	13.92	76.9	ng/ul	11608600	3	14.72	3018140	20.0
Naphthalene, 1,4-...	14.08	86.1	ng/ul	12990600	3	14.72	3018140	20.0
Naphthalene, 2,7-...	14.33	8.5	ng/ul	1277540	3	14.72	3018140	20.0
Naphthalene, 1,4,...	14.93	26.6	ng/ul	4006450	3	14.72	3018140	20.0
3-(2-Methyl-prope...	15.01	5.5	ng/ul	836099	3	14.72	3018140	20.0
Naphthalene, 2,3,...	15.20	20.3	ng/ul	3059320	3	14.72	3018140	20.0
Naphthalene, 1,6,...	15.34	28.4	ng/ul	4280790	3	14.72	3018140	20.0
Naphthalene, 1,4,...	15.52	21.7	ng/ul	3268070	3	14.72	3018140	20.0
1H-Phenalene	15.60	16.7	ng/ul	2519750	3	14.72	3018140	20.0
1-Isopropenylnaph...	15.88	7.4	ng/ul	1117950	3	14.72	3018140	20.0
unknown-01	15.94	7.2	ng/ul	1083360	3	14.72	3018140	20.0
9H-Fluoren-9-ol	16.07	7.7	ng/ul	1158380	3	14.72	3018140	20.0
4-Cyclohepta-2,4,...	16.43	2.1	ng/ul	2456130	4	17.48	23551000	20.0
9H-Fluorene, 1-me...	16.78	4.0	ng/ul	4713870	4	17.48	23551000	20.0
9H-Fluorene, 3-me...	16.83	2.3	ng/ul	2720510	4	17.48	23551000	20.0
Phenol, 4-(2-phen...	17.04	2.3	ng/ul	2737730	4	17.48	23551000	20.0
8,9-Dihydrocyclop...	18.57	10.0	ng/ul	11803100	4	17.48	23551000	20.0