LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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	3.096	39	44	53	rBV	36391	68834	0.54%	0.156%
2	3.172	53	57	64	rVB	20366	29692	0.23%	0.067%
3	5.557	456	463	469	rBV	46454	71280	0.56%	0.162%
4	5.692	480	486	496	rVB	22579	48638	0.38%	0.110%
5	6.069	542	550	556	rVB3	14846	30072	0.24%	0.068%
6	7.150	729	734	740	rBV	20782	30850	0.24%	0.070%
7	7.232	740	748	754	rVV3	20591	47422	0.37%	0.108%
8	7.396	770	776	783	rBV	72786	120363	0.94%	0.273%
9	7.608	807	812	820	rVV	76873	130813	1.03%	0.297%
10	7.720	824	831	840	rBB2	37701	66136	0.52%	0.150%
11	8.078	885	892	898	rBV	69037	114387	0.90%	0.259%
12	8.190	906	911	917	rBV3	11546	18042	0.14%	0.041%
13	8.454	949	956	965	rBB	163862	274630	2.16%	0.623%
14	8.618	977	984	995	rVB	258892	431420	3.39%	0.978%
15	8.783	1005	1012	1020	rBV	64071	111154	0.87%	0.252%
16	9.247	1085	1091	1104	rVB	100022	188285	1.48%	0.427%
17	9.441	1118	1124	1130	rBB	12923	21546	0.17%	0.049%
18	9.564	1133	1145	1151	rBV	35375	76014	0.60%	0.172%
19	9.623	1151	1155	1164	rVB	10509	17400	0.14%	0.039%
20	9.976	1208	1215	1225	rVB	84807	153429	1.20%	0.348%
21	10.134	1236	1242	1250	rVB	23641	38786	0.30%	0.088%
22	10.287	1260	1268	1272	rBV2	57184	128051	1.01%	0.290%
23	10.393	1279	1286	1297	rVB2	45858	130120	1.02%	0.295%
24	10.522	1301	1308	1315	rBV2	150190	271657	2.13%	0.616%
25	10.992	1363	1388	1393	rBV	4557426	12740392	100.00%	28.886%
26	11.080	1395	1403	1410	rVV	441405	751523	5.90%	1.704%
27	11.304	1436	1441	1447	rVB	10128	18343	0.14%	0.042%
28	11.803	1521	1526	1535	rVB3	9231	17928	0.14%	0.041%
29	12.079	1568	1573	1581	rVB3	11596	21585	0.17%	0.049%
30	12.443	1628	1635	1642	rVB	36106	63951	0.50%	0.145%
31	12.555	1644	1654	1666	rBV	1784629	3090869	24.26%	7.008%
32	12.661	1666	1672	1678	rVV	44324	80024	0.63%	0.181%
33	12.772	1678	1691	1699	rVB	976942	1688182	13.25%	3.828%
34	13.548	1816	1823	1830	rBV	485318	737440	5.79%	1.672%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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	13.742	1850	1856	1865	rVV	94578	178549	1.40%	0.405%
36	13.889	1868	1881	1888	rBV2	108247	287544	2.26%	0.652%
37	14.030	1897	1905	1910	rVV	184187	334893	2.63%	0.759%
38	14.089	1910	1915	1916	rVV	119900	173127	1.36%	0.393%
39	14.112	1916	1919	1925	rVV	264266	402048	3.16%	0.912%
40	14.271	1940	1946	1949	rBV	73071	120221	0.94%	0.273%
41	14.300	1949	1951	1958	rVB	29578	37889	0.30%	0.086%
42	14.412	1962	1970	1972	rBV	271468	463763	3.64%	1.051%
43	14.682	2009	2016	2018	rBV	86025	122065	0.96%	0.277%
44	14.717	2018	2022	2027	rVV2	163401	274380	2.15%	0.622%
45	14.788	2027	2034	2040	rVV	2265471	3738760	29.35%	8.477%
46	14.846	2040	2044	2050	rVV	115930	177875	1.40%	0.403%
47	14.917	2050	2056	2064	rVV4	30739	60809	0.48%	0.138%
48	15.023	2068	2074	2079	rVV	41709	71105	0.56%	0.161%
49	15.117	2083	2090	2097	rVV	1280119	2069270	16.24%	4.692%
50	15.181	2097	2101	2109	rVB3	15439	27392	0.22%	0.062%
51	15.317	2116	2124	2130	rBV3	18797	36387	0.29%	0.082%
52	15.375	2130	2134	2142	rVB3	11253	24780	0.19%	0.056%
53	15.493	2146	2154	2157	rBV2	11147	22950	0.18%	0.052%
54	15.704	2184	2190	2195	rVV	405295	641935	5.04%	1.455%
55	15.769	2195	2201	2207	rVV	1480116	2324934	18.25%	5.271%
56	15.828	2207	2211	2217	rVV2	106345	204242	1.60%	0.463%
57	15.881	2217	2220	2223	rVV2	68230	104346	0.82%	0.237%
58	15.922	2223	2227	2232	rVV2	90550	156136	1.23%	0.354%
59	15.969	2232	2235	2238	rVV5	25731	39911	0.31%	0.090%
60	16.004	2238	2241	2245	rVV	43434	67147	0.53%	0.152%
61	16.051	2245	2249	2255	rVB	80681	118853	0.93%	0.269%
62	16.192	2260	2273	2282	rVV3	90932	222908	1.75%	0.505%
63	16.286	2285	2289	2294	rVB	13840	19531	0.15%	0.044%
64	16.427	2306	2313	2321	rVB4	20960	37200	0.29%	0.084%
65	16.550	2327	2334	2340	rBV	81604	126528	0.99%	0.287%
66	16.756	2357	2369	2374	rBV	51307	128012	1.00%	0.290%
67	16.809	2374	2378	2383	rVB2	20519	32015	0.25%	0.073%
68	16.909	2389	2395	2401	rVB2	22678	32440	0.25%	0.074%
69	17.114	2426	2430	2437	rVB	54398	83730	0.66%	0.190%
70	17.279	2450	2458	2468	rVB	190020	293671	2.31%	0.666%
71	17.461	2482	2489	2492	rBV	219412	379659	2.98%	0.861%

LSC Area Percent Report

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Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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

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Peak separation: 5

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

72	17.514	2492	2498	2502	rVB	2035136	3277444	25.72%	7.431%
73	17.561	2502	2506	2510	rBV	454486	615447	4.83%	1.395%
74	17.649	2517	2521	2526	rVB4	12538	19678	0.15%	0.045%
75	17.861	2550	2557	2566	rBV	253402	384051	3.01%	0.871%
76	17.972	2570	2576	2583	rBV10	10523	22910	0.18%	0.052%
77	18.331	2628	2637	2641	rVV	52495	80225	0.63%	0.182%
78	18.378	2641	2645	2652	rVV	104555	158088	1.24%	0.358%
79	18.460	2654	2659	2664	rVV2	10985	20274	0.16%	0.046%
80	18.530	2664	2671	2682	rVV2	145366	264511	2.08%	0.600%
81	18.630	2682	2688	2691	rVV	33861	52420	0.41%	0.119%
82	18.671	2691	2695	2700	rVV	48055	71235	0.56%	0.162%
83	18.765	2706	2711	2717	rVV2	33362	56867	0.45%	0.129%
84	18.824	2717	2721	2724	rVV	24655	35542	0.28%	0.081%
85	18.871	2724	2729	2734	rVV	43964	69635	0.55%	0.158%
86	19.353	2801	2811	2814	rBV6	6625	21001	0.16%	0.048%
87	19.388	2814	2817	2823	rVB6	10897	17080	0.13%	0.039%
88	19.506	2829	2837	2845	rVB	359594	507463	3.98%	1.151%
89	19.705	2865	2871	2873	rBV5	10558	17122	0.13%	0.039%
90	19.752	2873	2879	2885	rVB3	9969	20709	0.16%	0.047%
91	19.841	2885	2894	2898	rBV	582258	967088	7.59%	2.193%
92	19.923	2906	2908	2917	rVB6	19136	27035	0.21%	0.061%
93	20.246	2958	2963	2969	rBV	59321	85013	0.67%	0.193%
94	20.458	2994	2999	3004	rBV	14689	19113	0.15%	0.043%
95	21.733	3208	3216	3223	rBV2	304152	536253	4.21%	1.216%
96	22.150	3281	3287	3291	rBV	17845	33775	0.27%	0.077%
97	24.782	3723	3735	3749	rBV	270173	810831	6.36%	1.838%
98	25.005	3762	3773	3796	rVB	131195	412757	3.24%	0.936%
99	26.121	3956	3963	3970	rVB9	6095	16904	0.13%	0.038%
100	27.479	4189	4194	4206	rVB6	6052	18782	0.15%	0.043%

Sum of corrected areas: 44105516

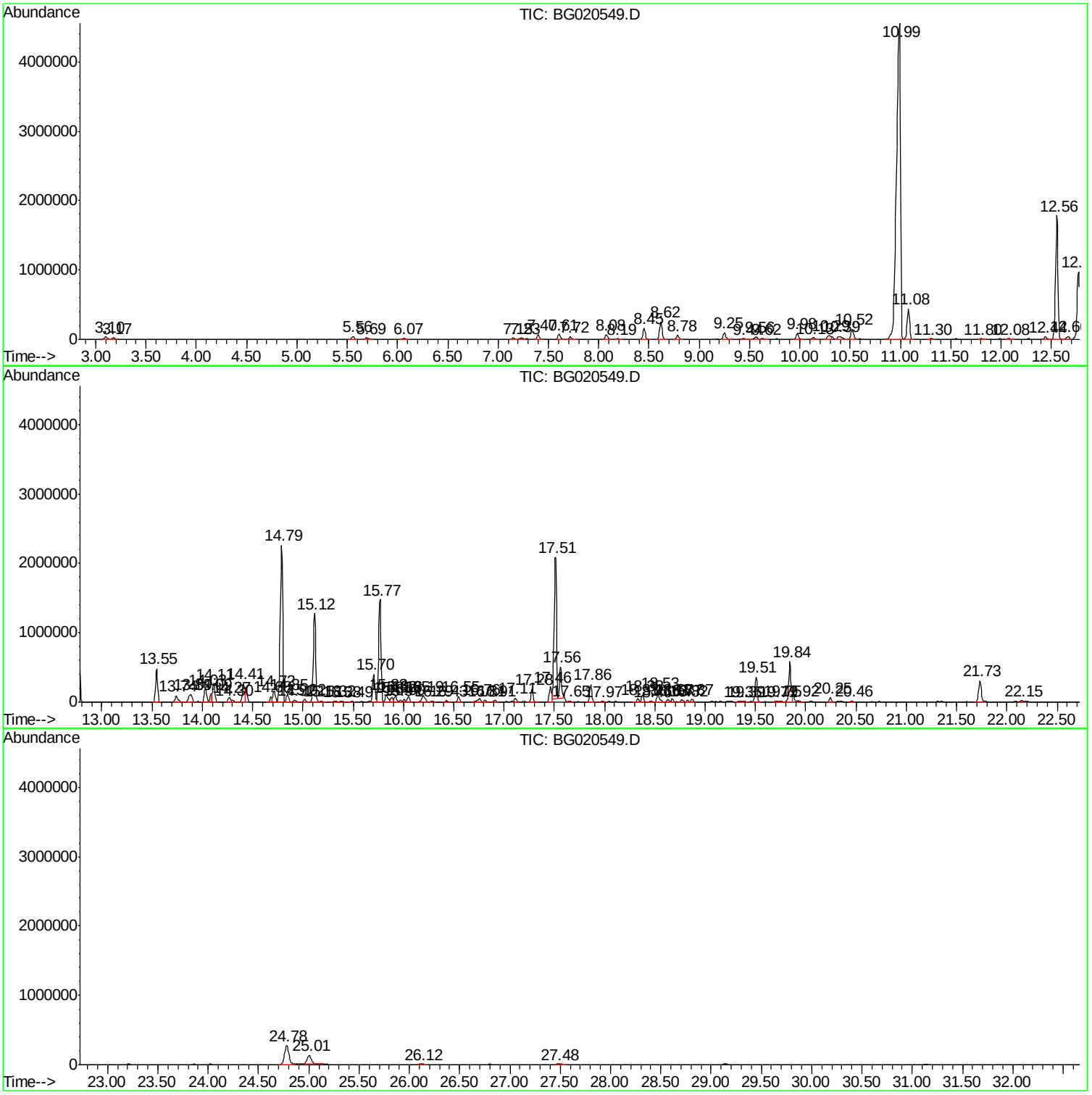
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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

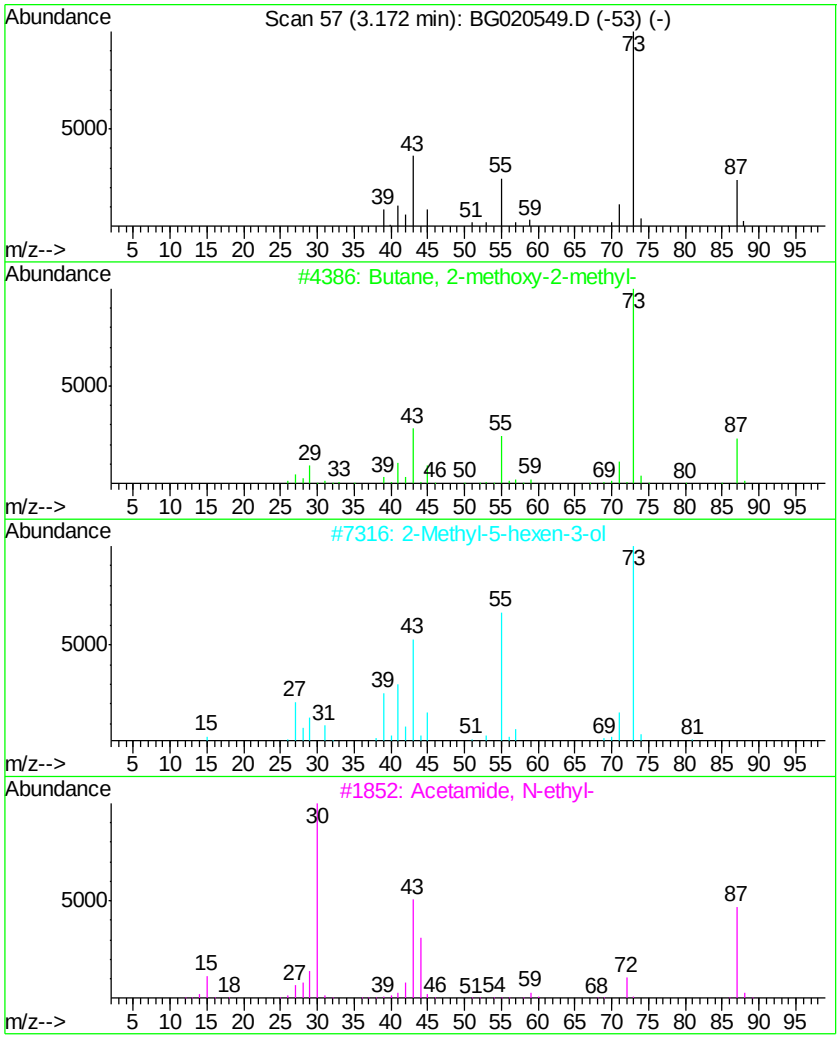
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

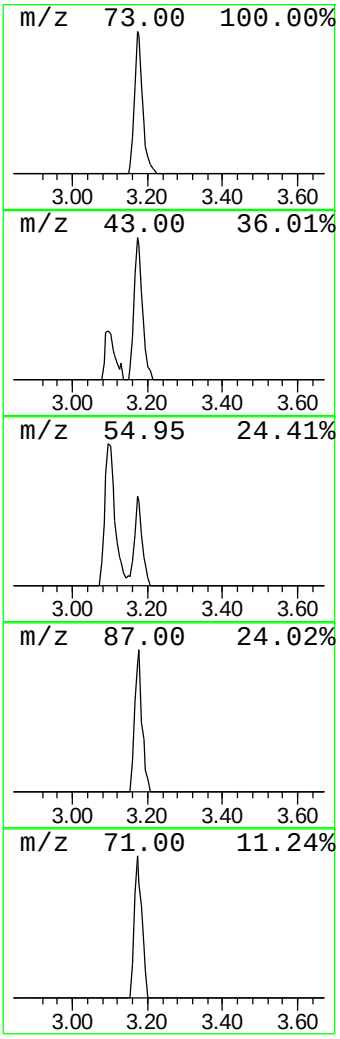
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	5.19 ng/ul	29692	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	28
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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

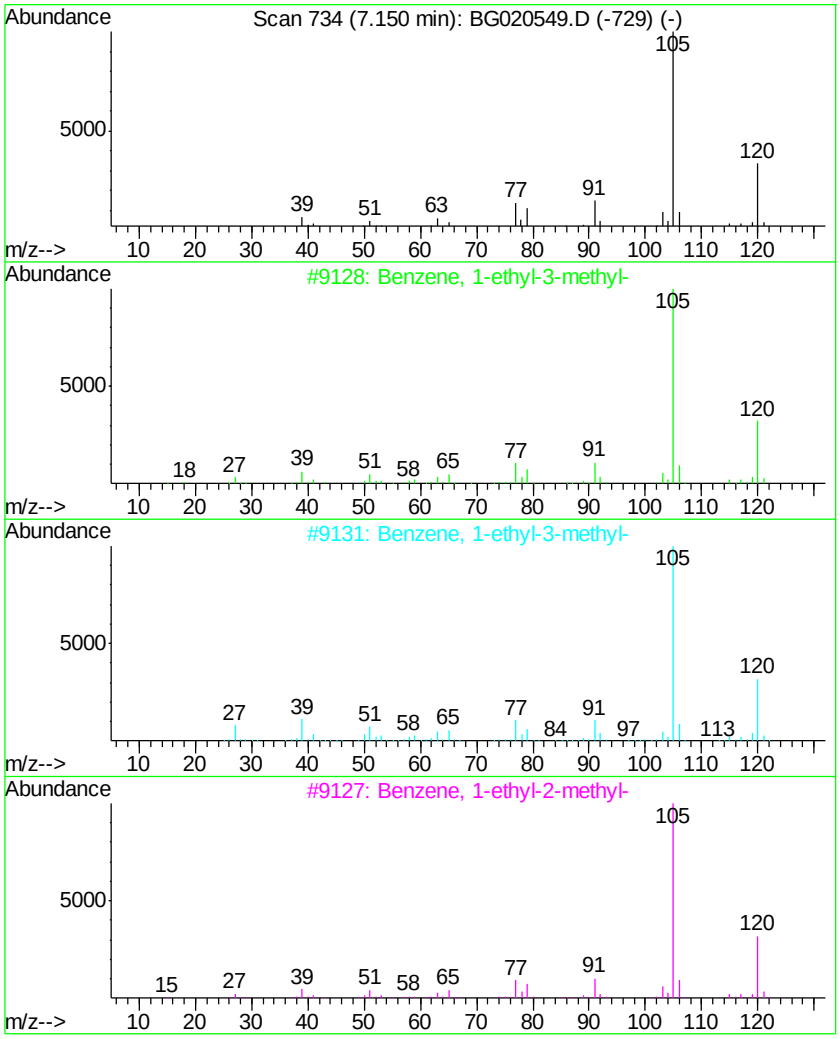
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

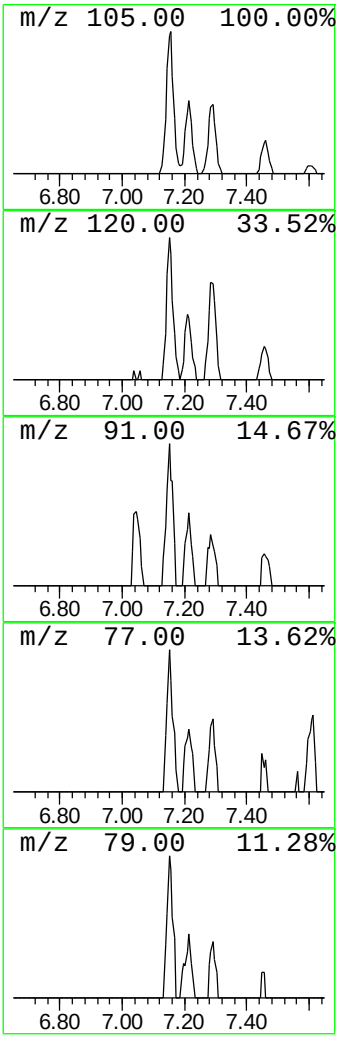
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	5.39 ng/ul	30850	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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

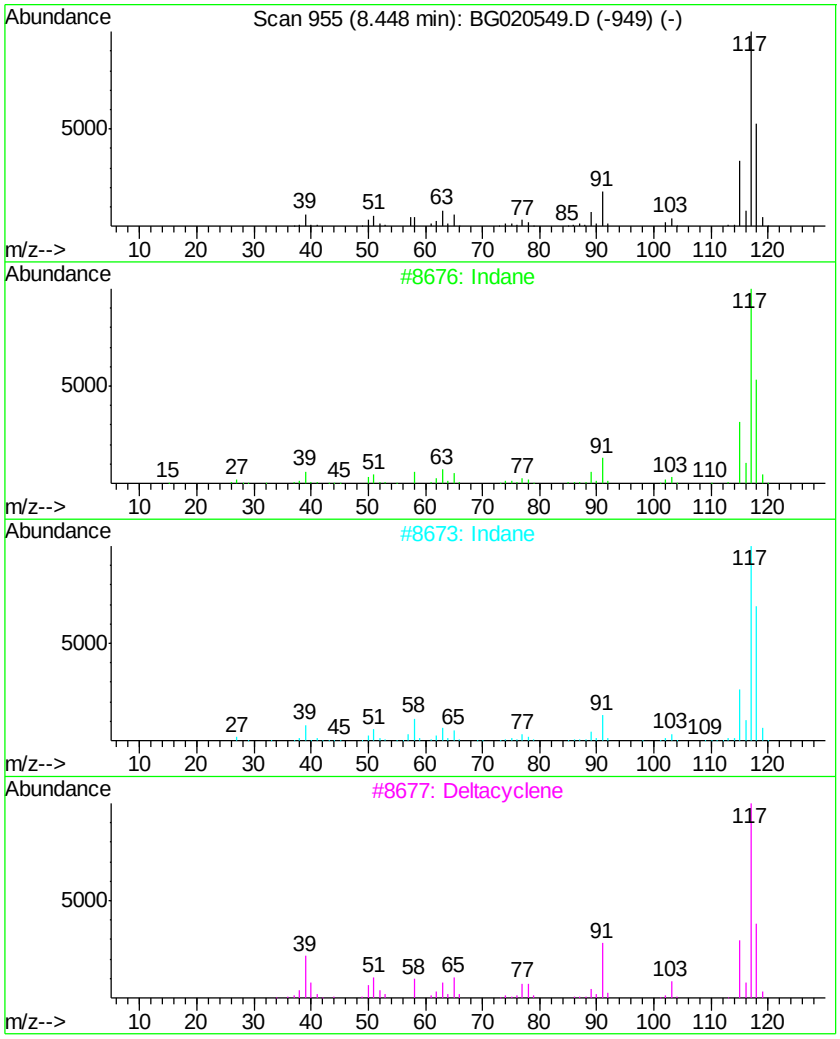
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

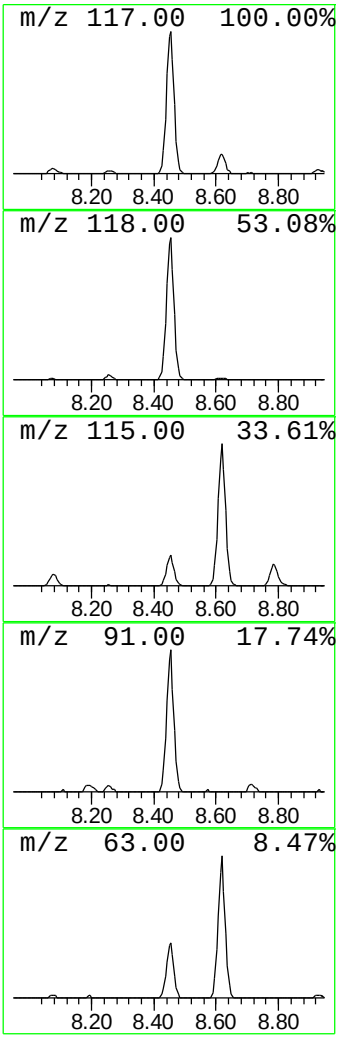
****

Peak Number 9 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	48.02 ng/ul	274630	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	83
3	Deltacyclene	118	C9H10	007785-10-6	81
4	Indane	118	C9H10	000496-11-7	72
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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

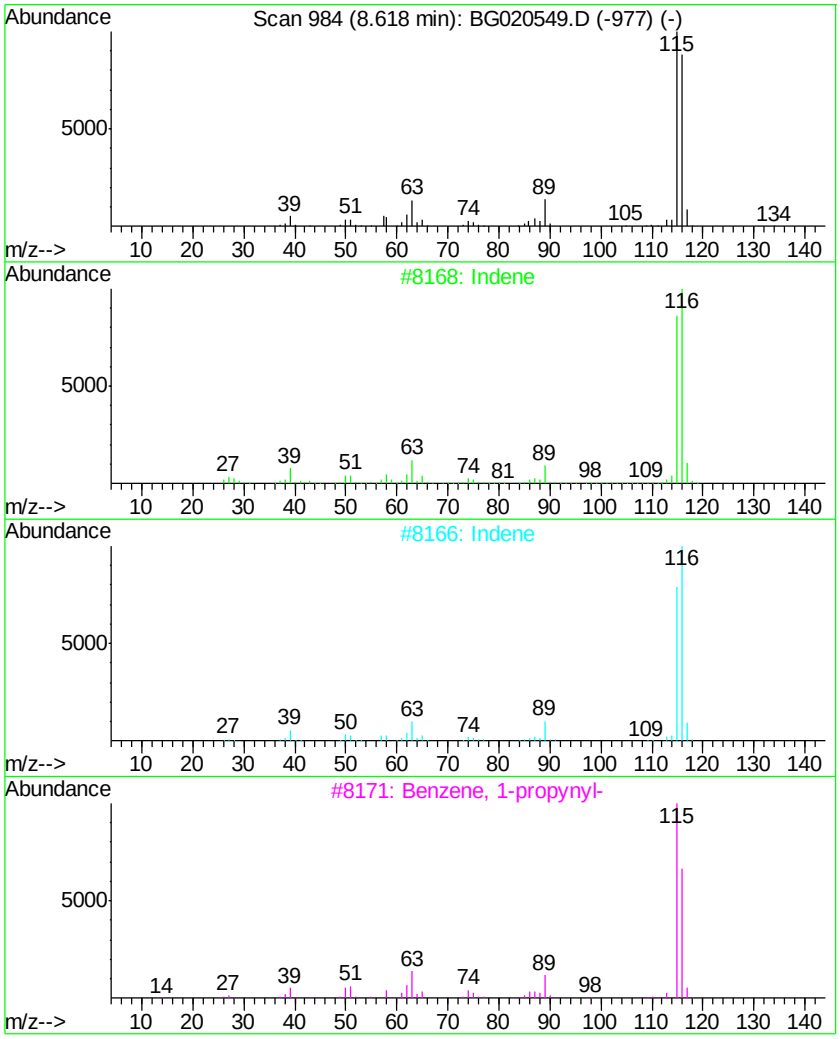
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

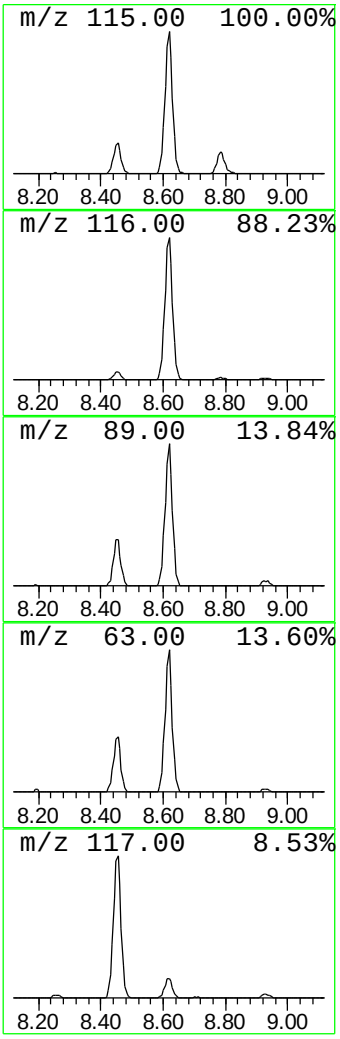
****

Peak Number 10 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	75.43 ng/ul	431420	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	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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

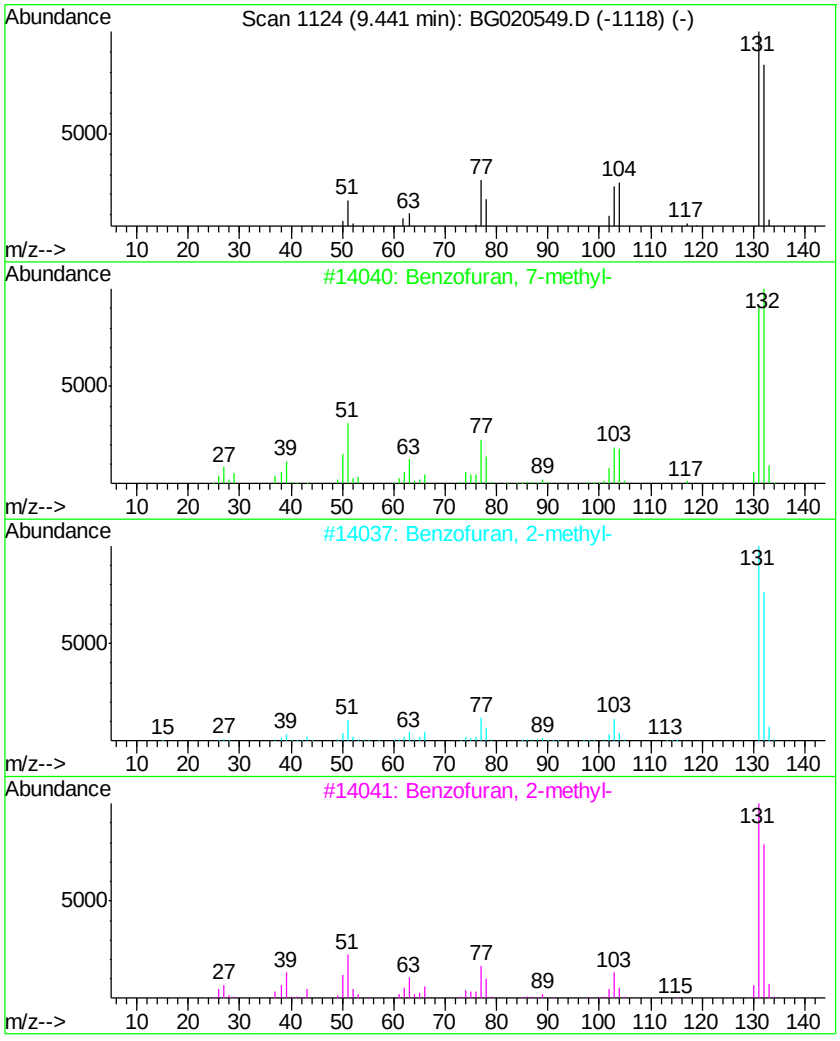
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

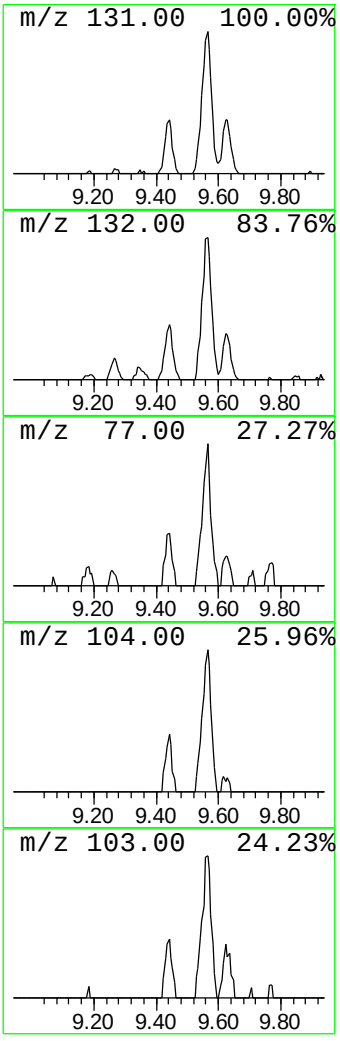
****

Peak Number 11 Benzofuran, 7-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	3.77 ng/ul	21546	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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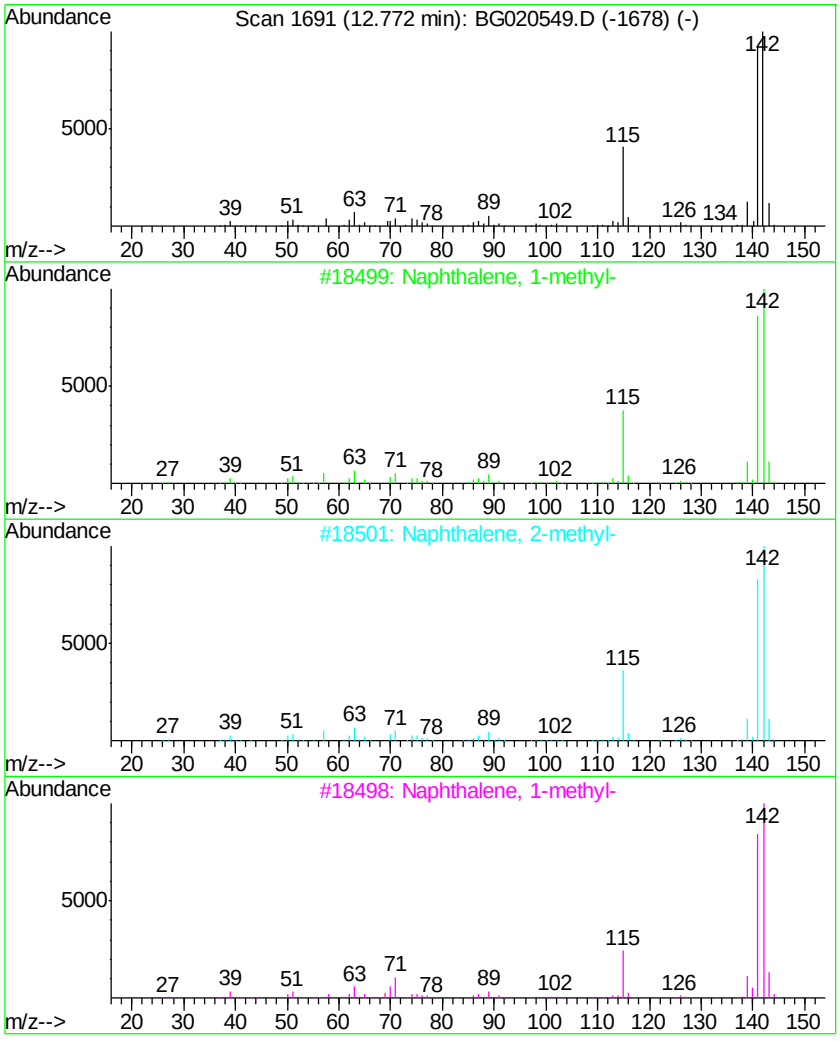
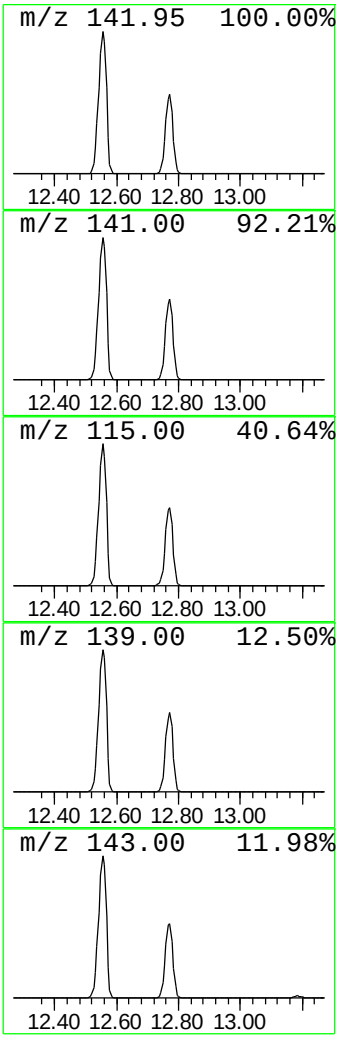
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.65 ng/ul	1688180	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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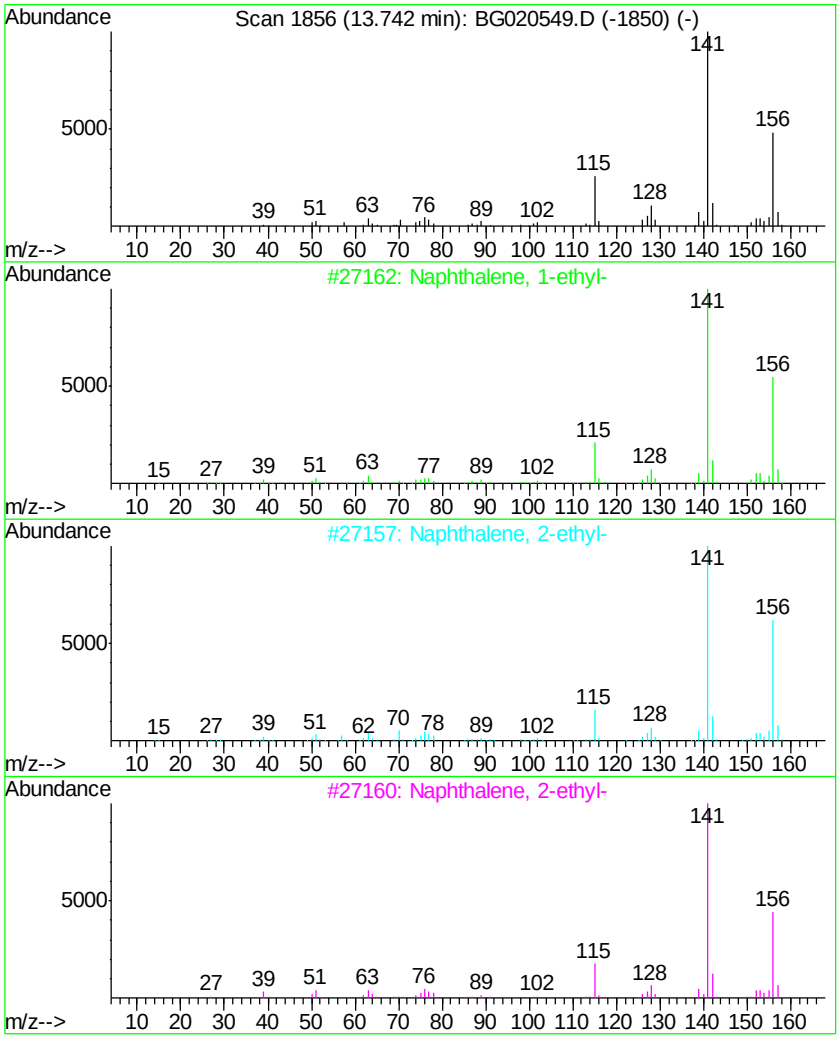
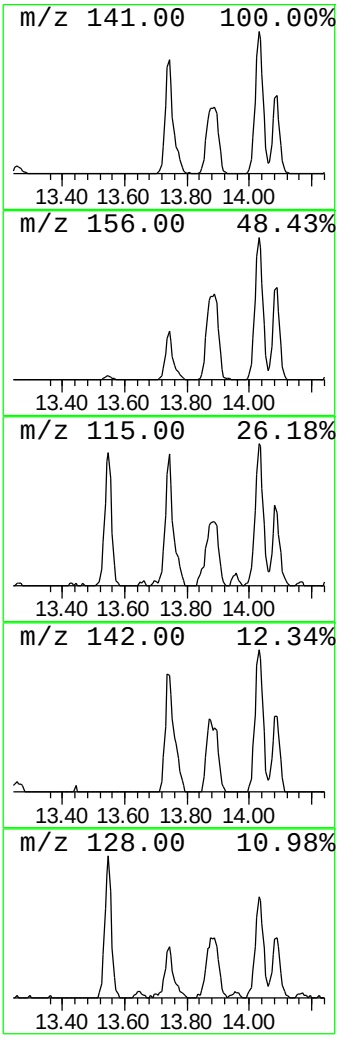
Peak Number 13 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	13.01 ng/ul	178549	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





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Acq On : 27 Dec 2015 10:42
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Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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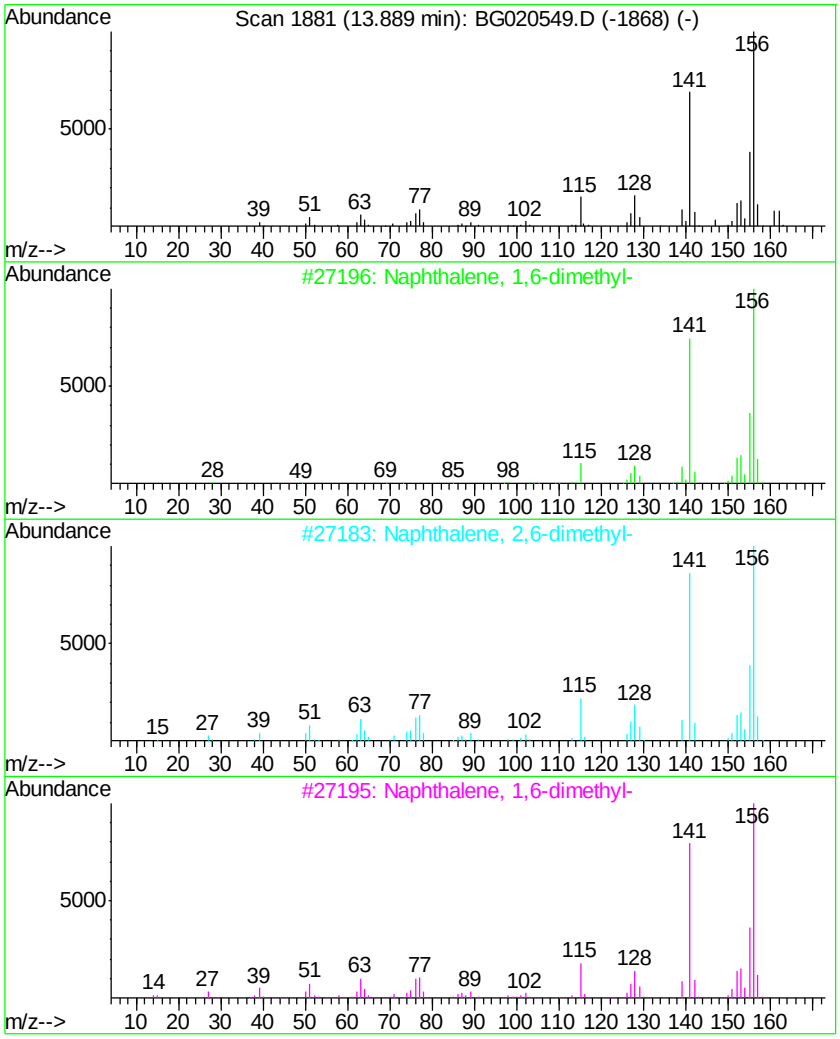
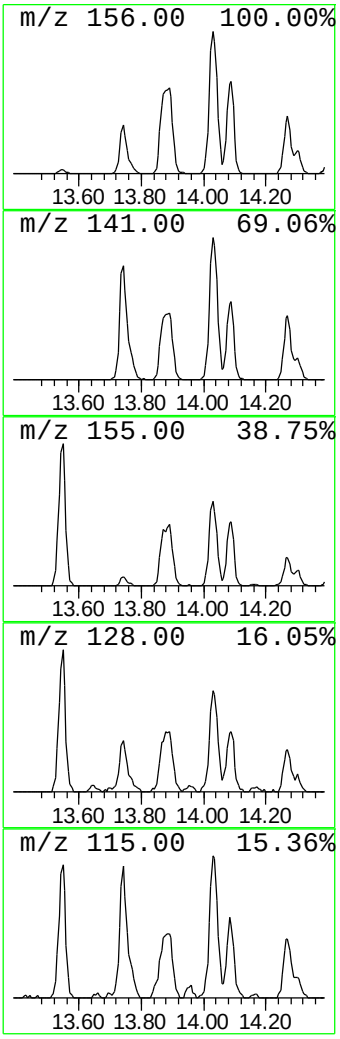
Peak Number 14 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	20.96 ng/ul	287544	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Sample : G4846-13
Misc :
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Instrument : BNA_G
ClientSampleId : D9N59

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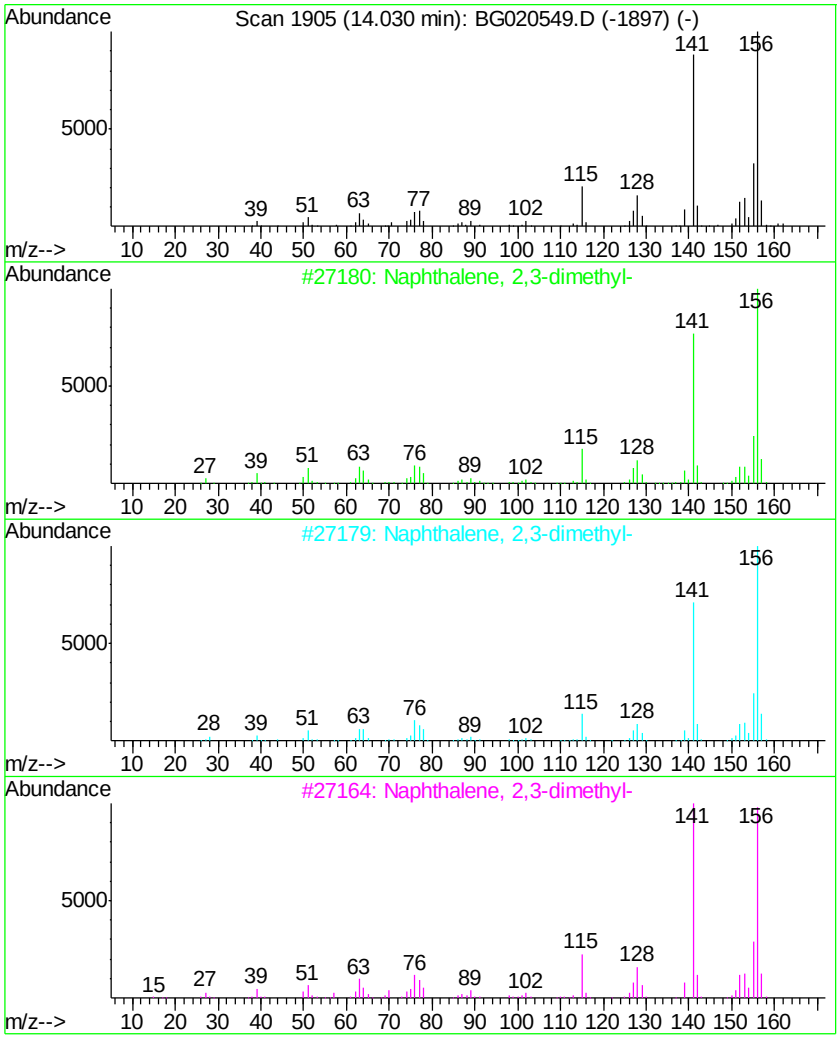
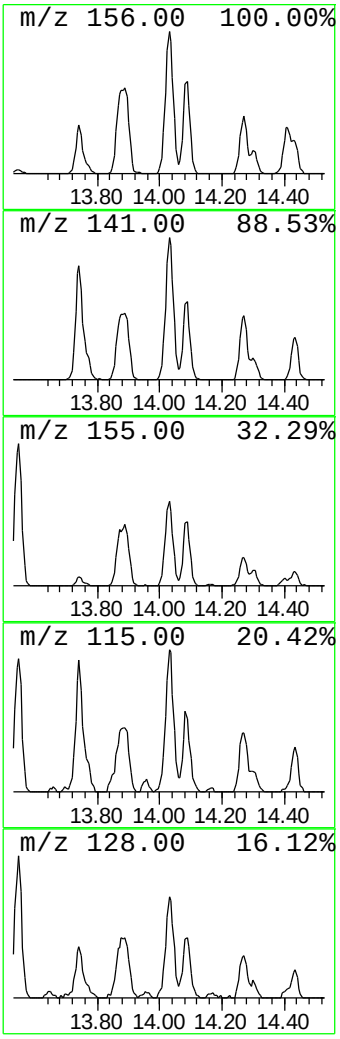
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	24.41 ng/ul	334893	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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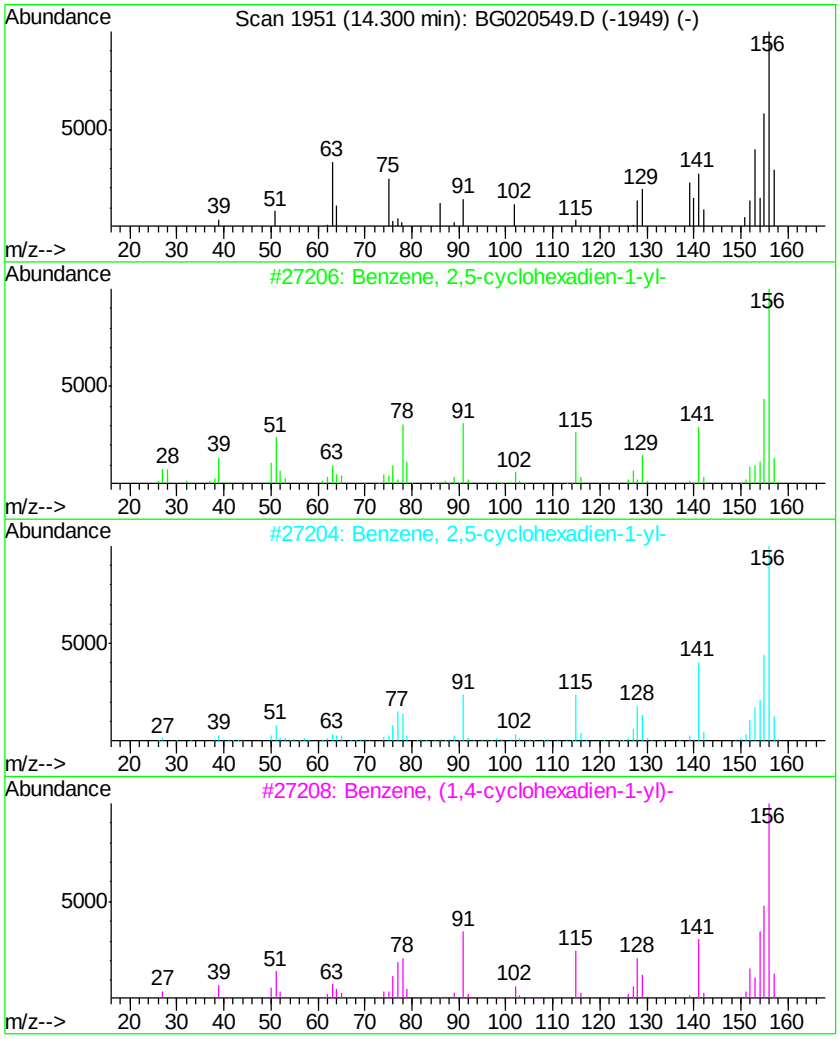
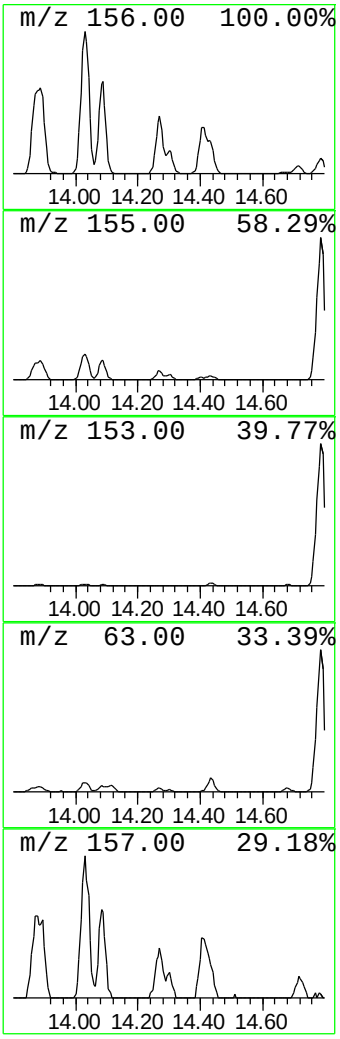
Peak Number 17 Benzene, 2,5-cyclohexadien-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	2.76 ng/ul	37889	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	58
2	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	47
3	Benzene, (1,4-cyclohexadien-1-yl)-	156	C12H12	013703-52-1	47
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	46
5	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	43





Library Search Compound Report

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Sample : G4846-13
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Instrument : BNA_G
ClientSampleId : D9N59

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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 18 2-Naphthalenecarbonitrile Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	12.97 ng/ul	177875	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
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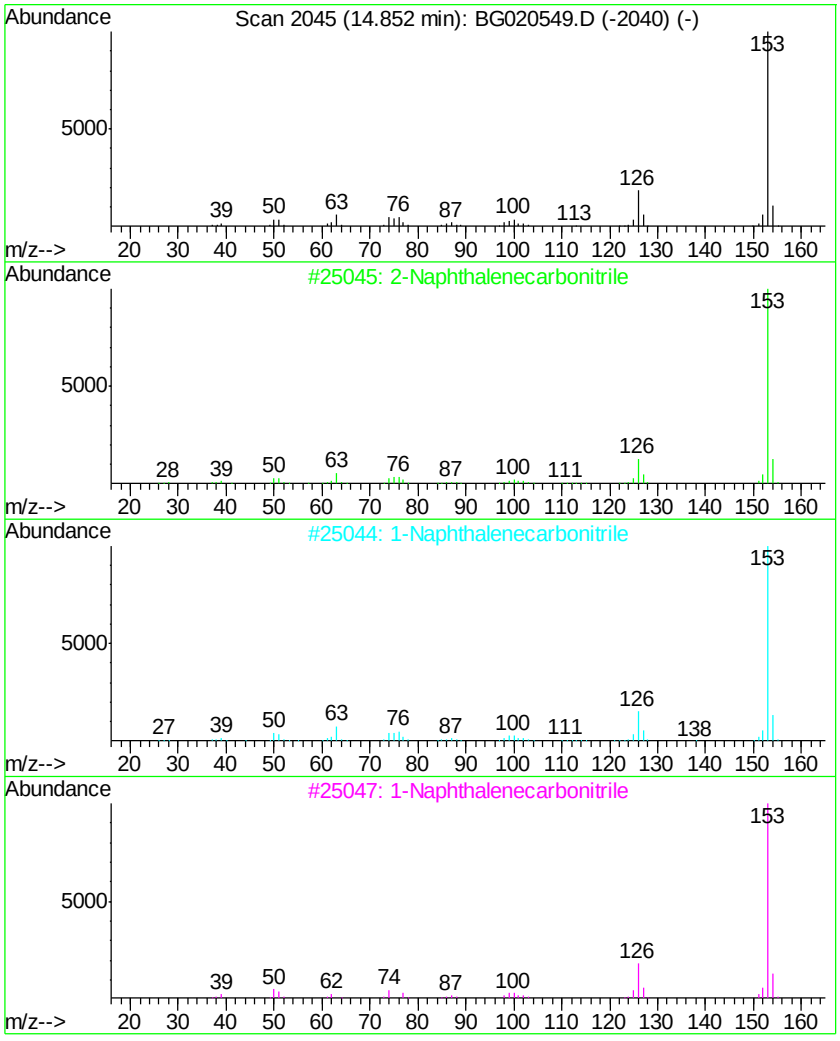

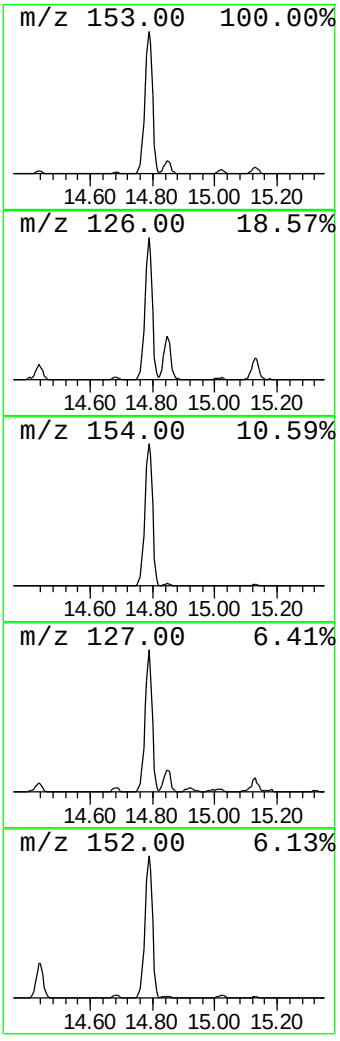

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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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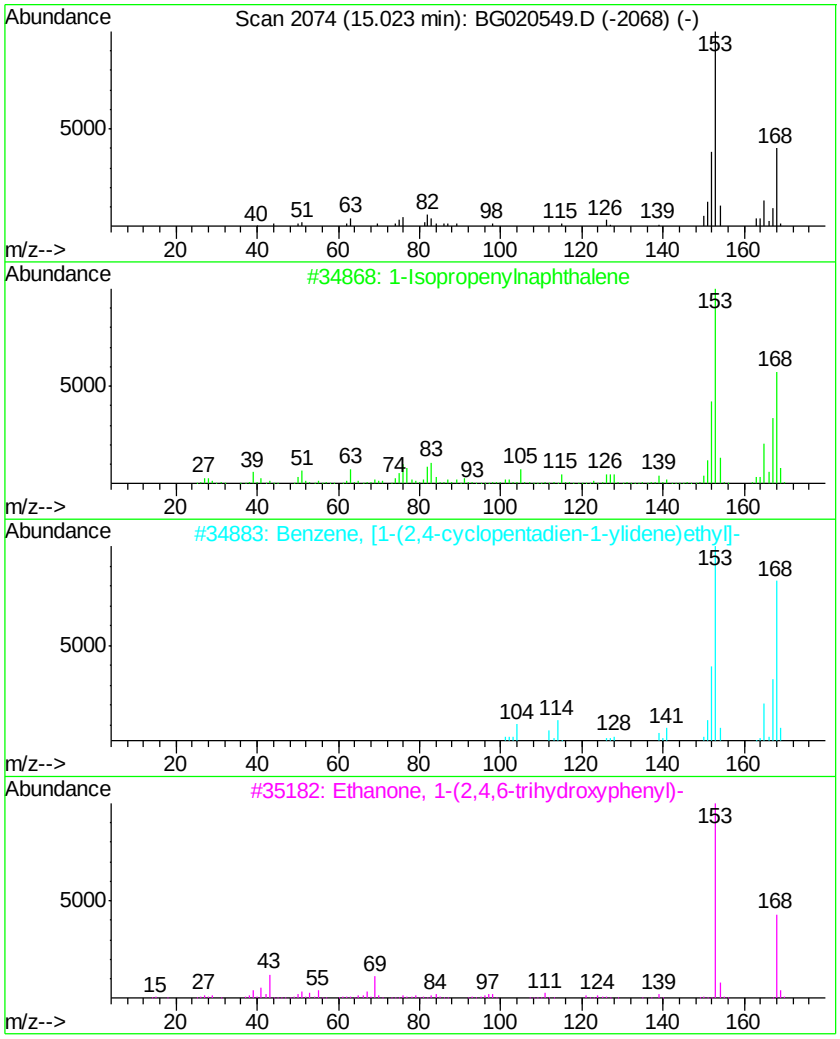
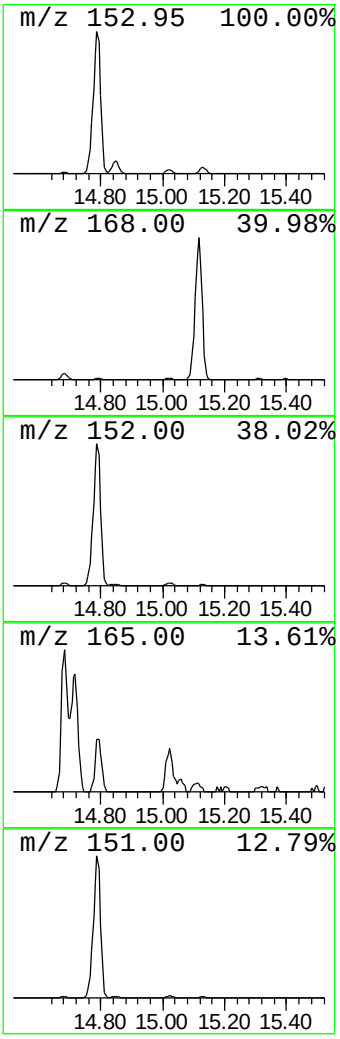
Peak Number 19 1-Isopropenylnaphthalene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	5.18 ng/ul	71105	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	43





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Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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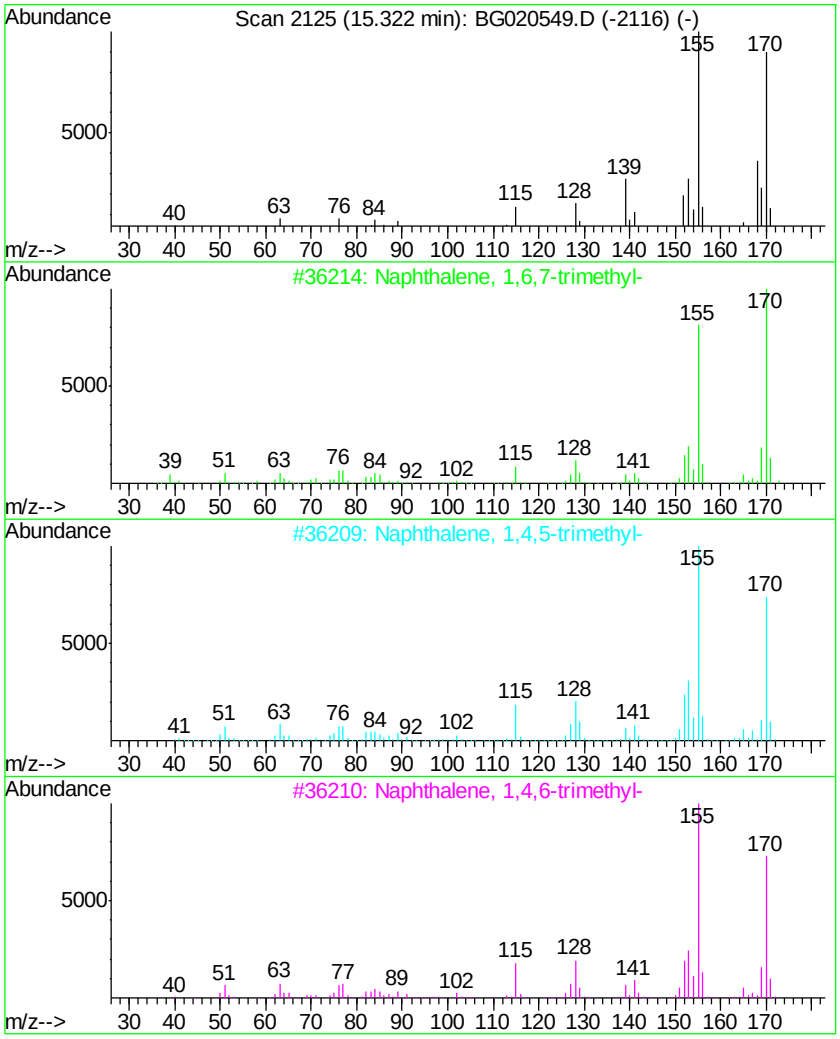
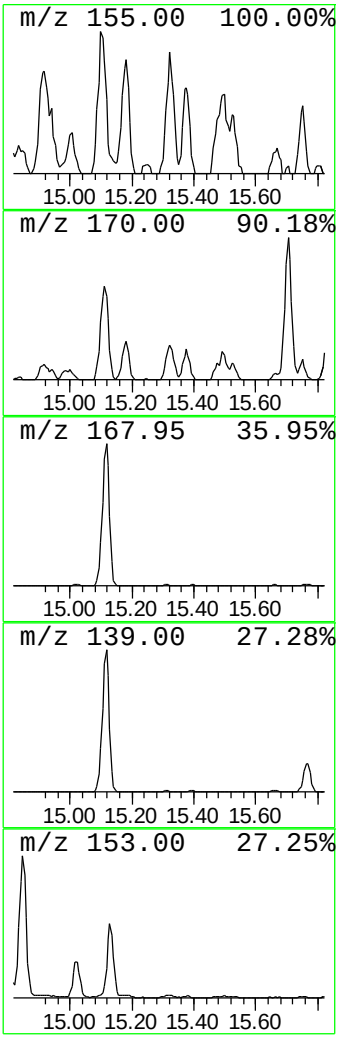
Peak Number 20 Naphthalene, 1,6,7-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	2.65 ng/ul	36387	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	92
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	78
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	60





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Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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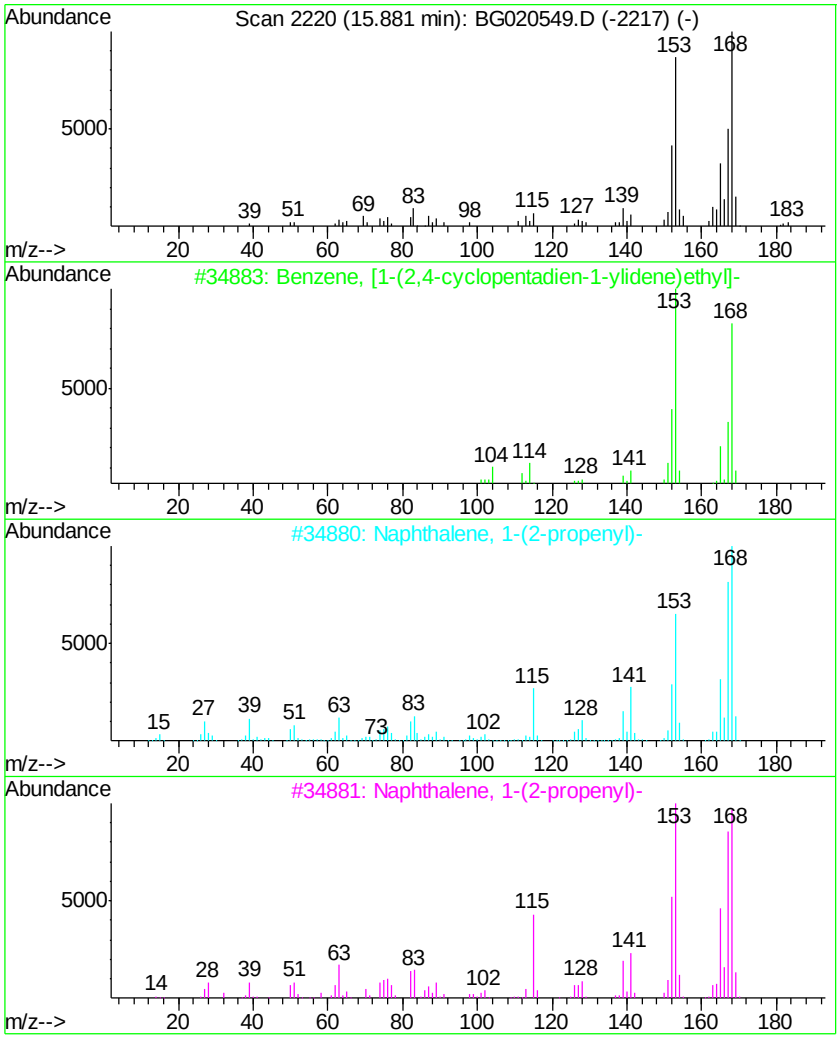
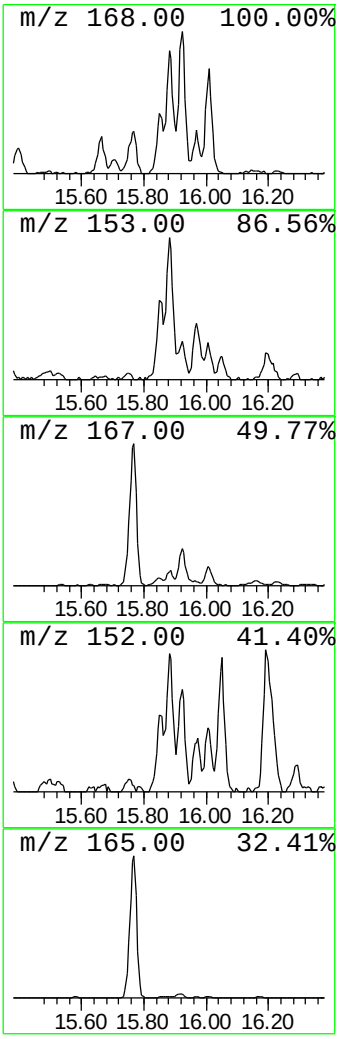
Peak Number 21 Benzene, [1-(2,4-cyclopenta... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.61 ng/ul	104346	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
4	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	53
5	Acetamide, 2,2-diphenyl-N-(3,3,5...	335	C23H29NO	329919-84-8	47





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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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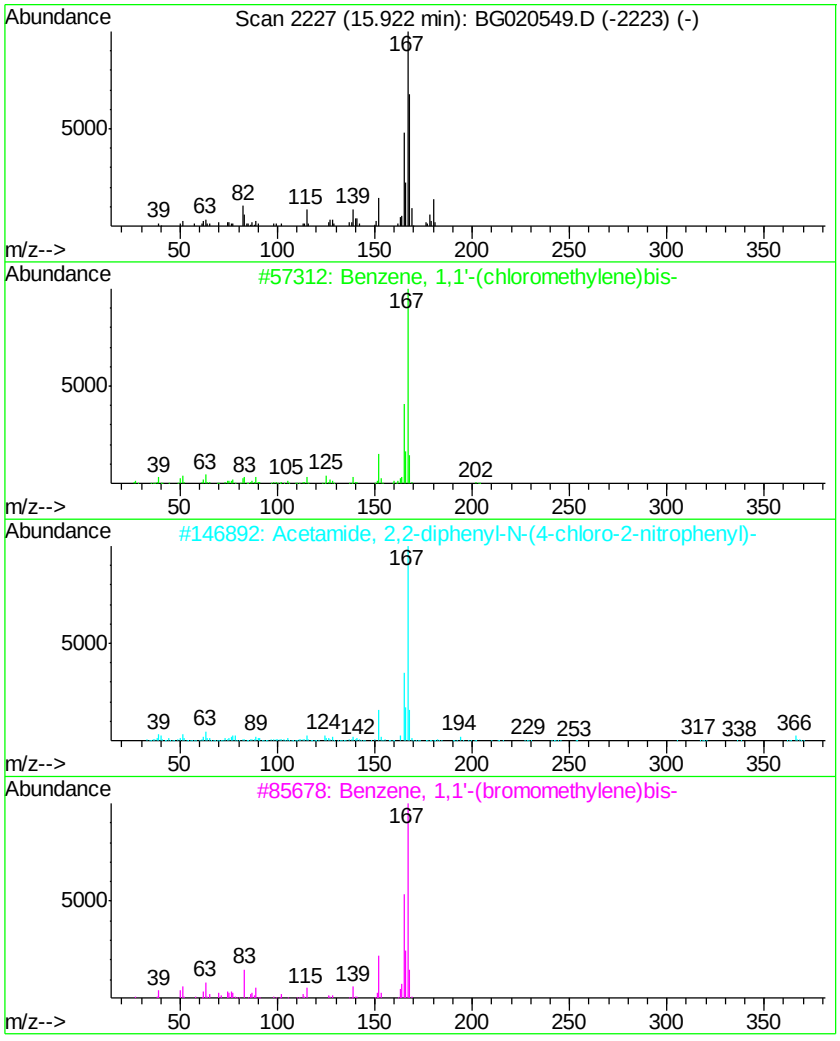
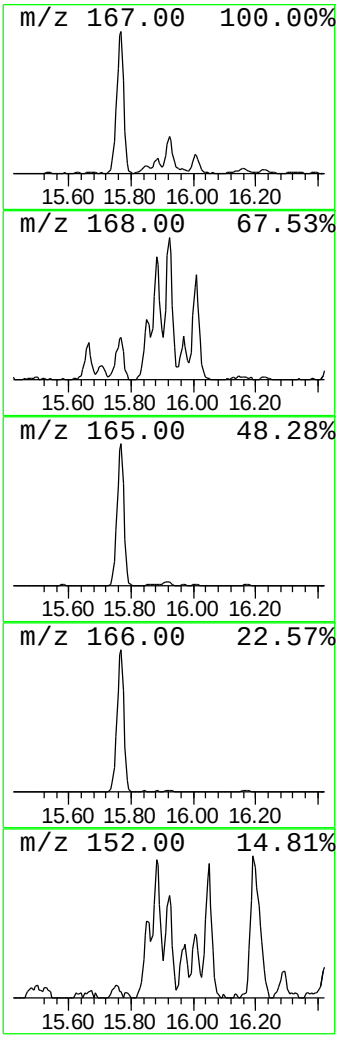
Peak Number 22 Benzene, 1,1'-(chloromethyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	11.38 ng/ul	156136	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	64
2	Acetamide, 2,2-diphenyl-N-(4-chl...	366	C20H15ClN2O3	1000295-48-3	59
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	59
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	53
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	53





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Instrument : BNA_G
ClientSampleId : D9N59

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Quant Title : SVOA CALIBRATION

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

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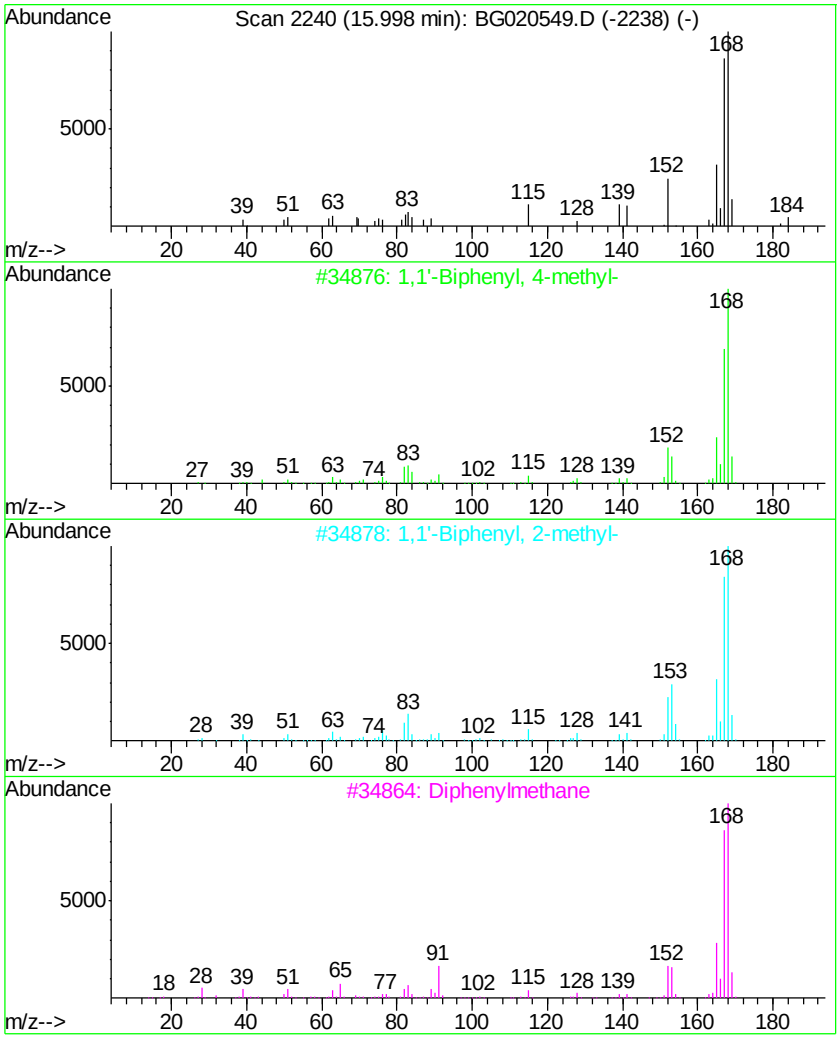
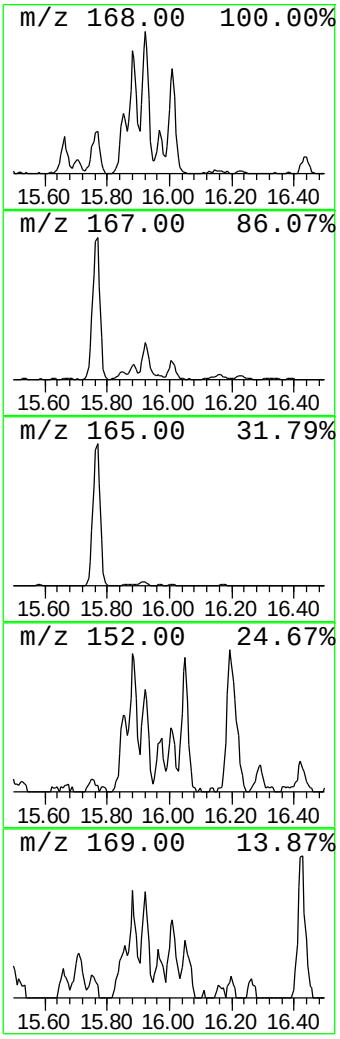
Peak Number 24 1,1'-Biphenyl, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	4.89 ng/ul	67147	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
3	Diphenylmethane	168	C13H12	000101-81-5	76
4	Diphenylmethane	168	C13H12	000101-81-5	74
5	Diphenylmethane	168	C13H12	000101-81-5	74





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Sample : G4846-13
Misc :
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Instrument : BNA_G
ClientSampleId : D9N59

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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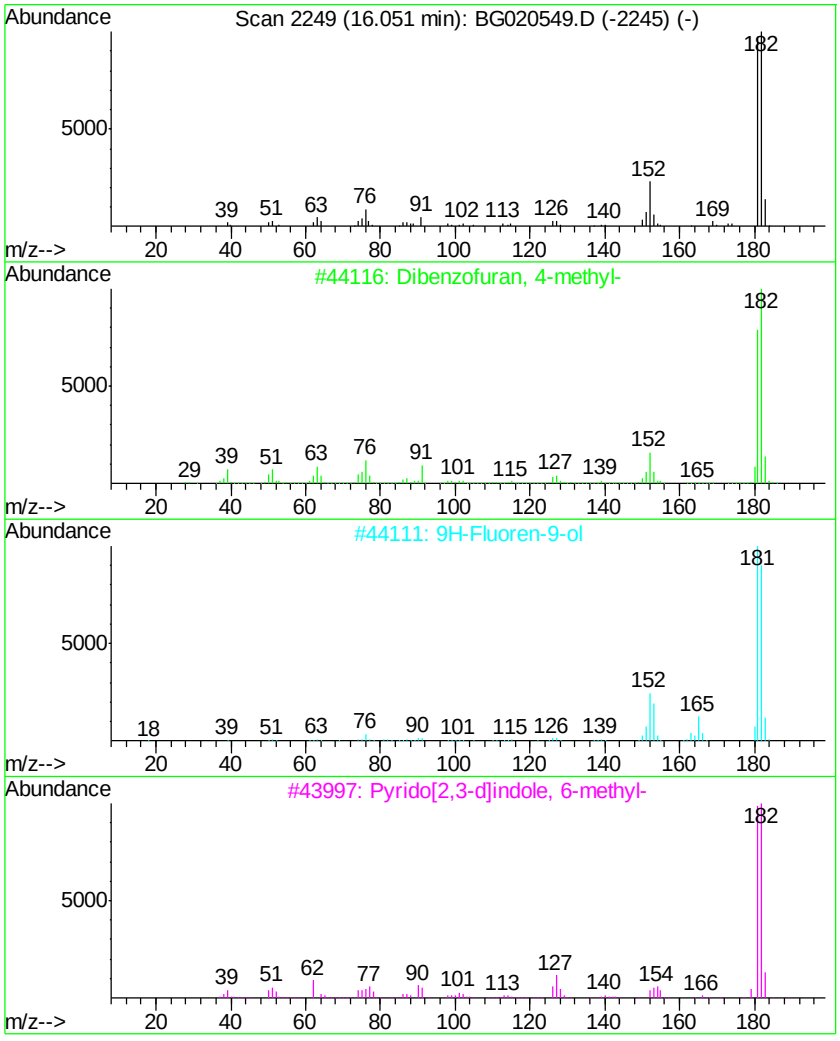
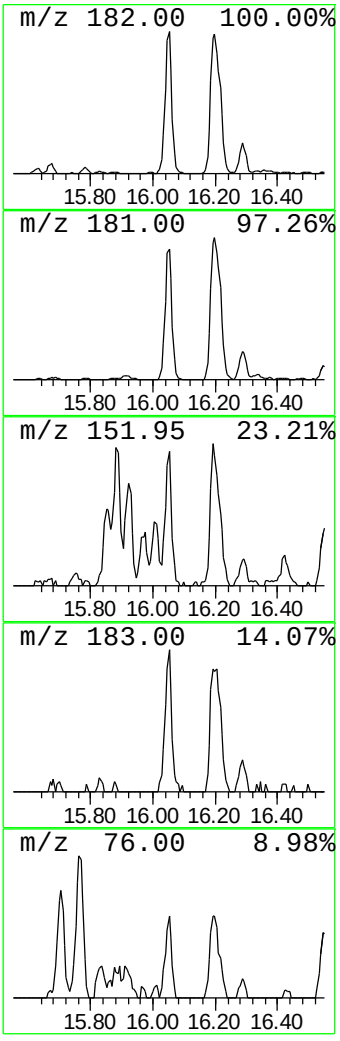
Peak Number 25 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	8.66 ng/ul	118853	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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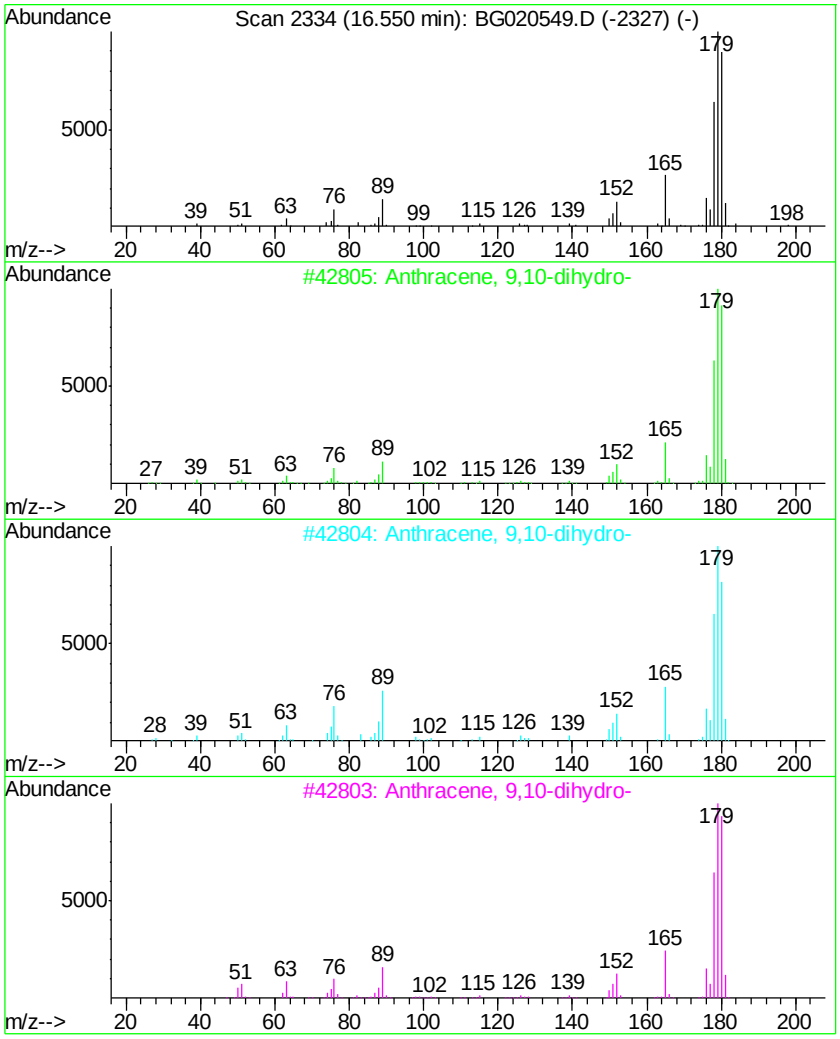
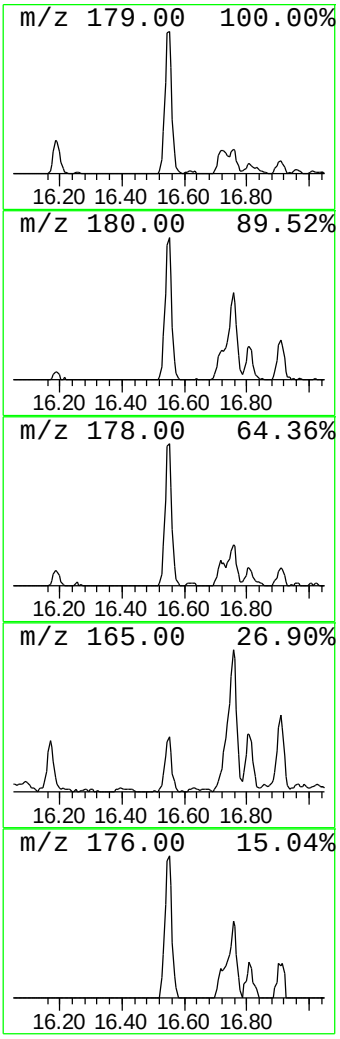
Peak Number 27 Anthracene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.67 ng/ul	126528	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	92
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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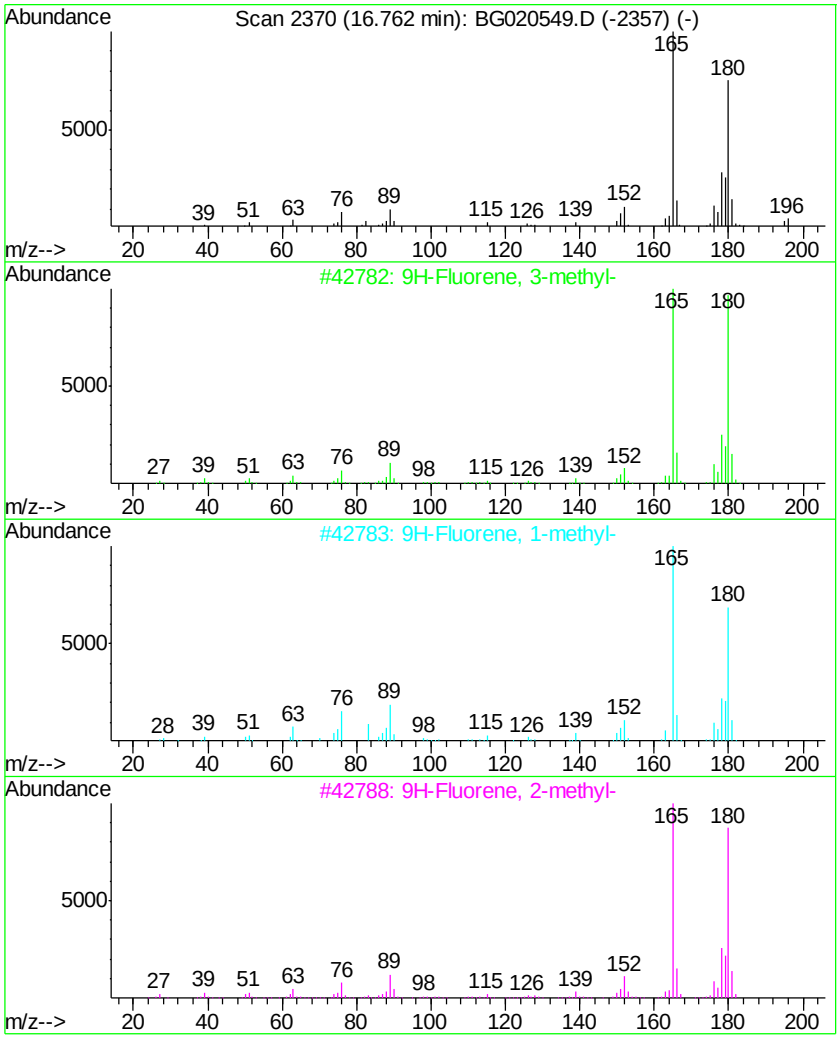
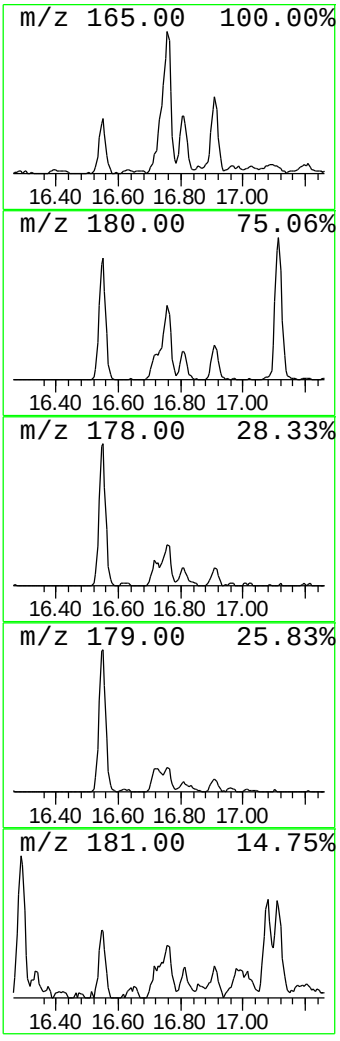
Peak Number 28 9H-Fluorene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	6.74 ng/ul	128012	Phenanthrene-d10	17.46

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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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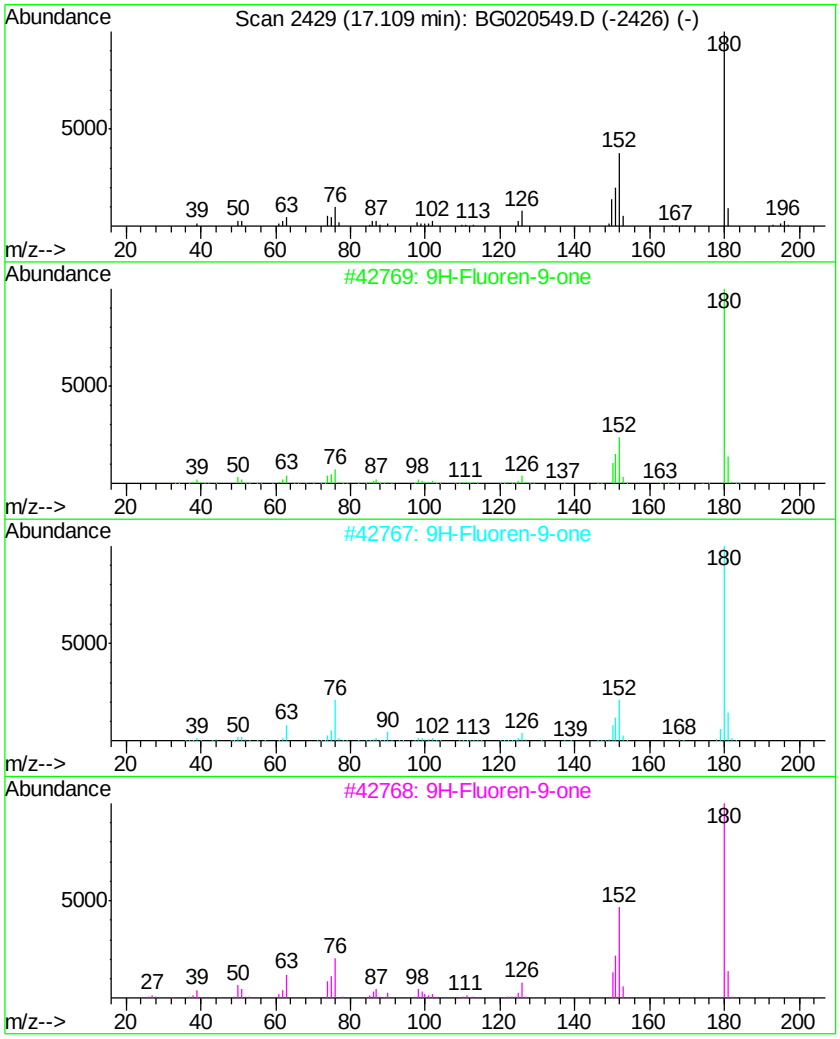
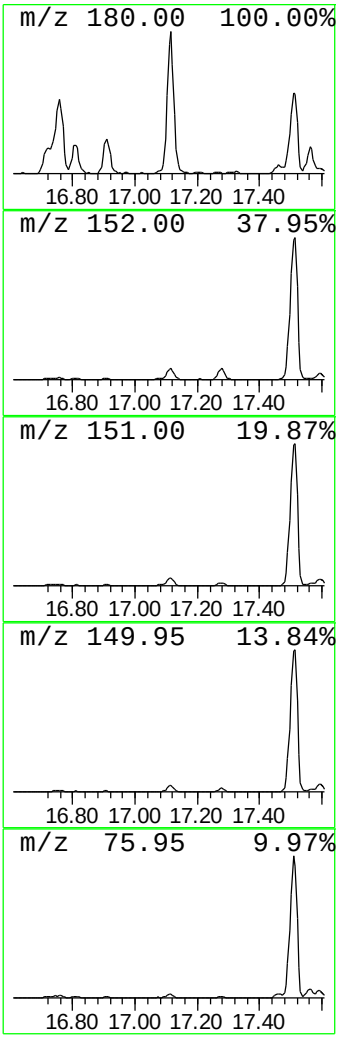
Peak Number 29 9H-Fluoren-9-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	4.41 ng/ul	83730	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	56





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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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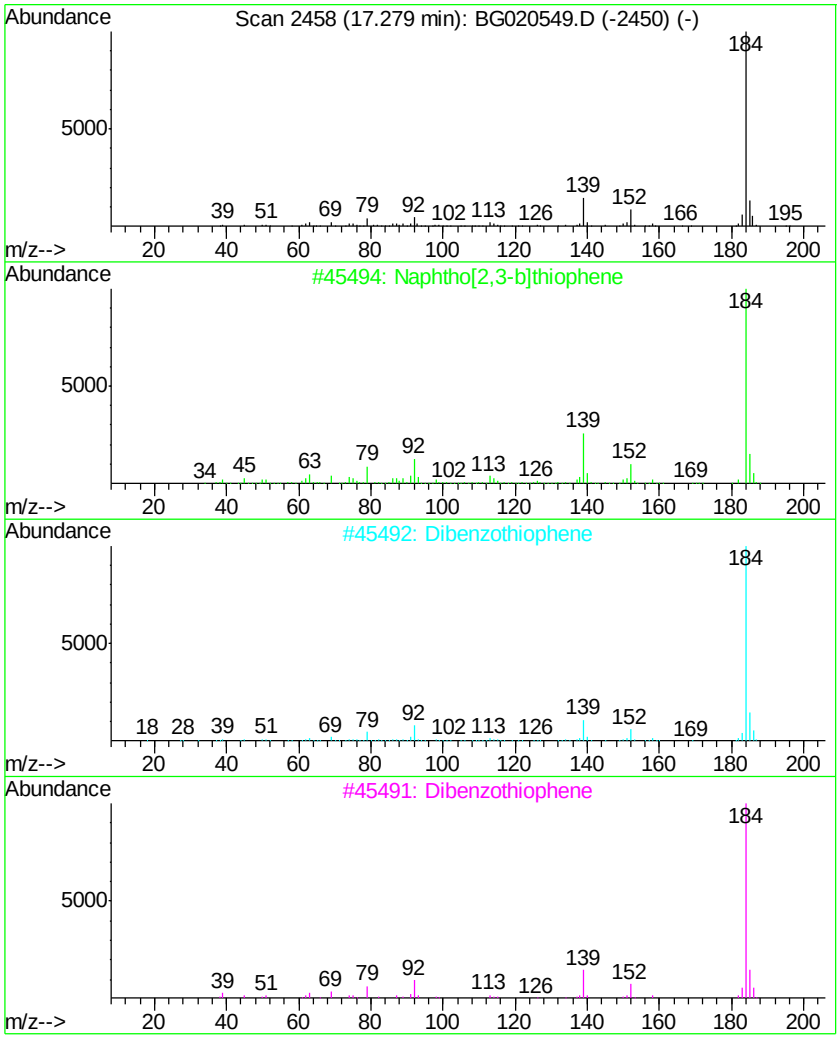
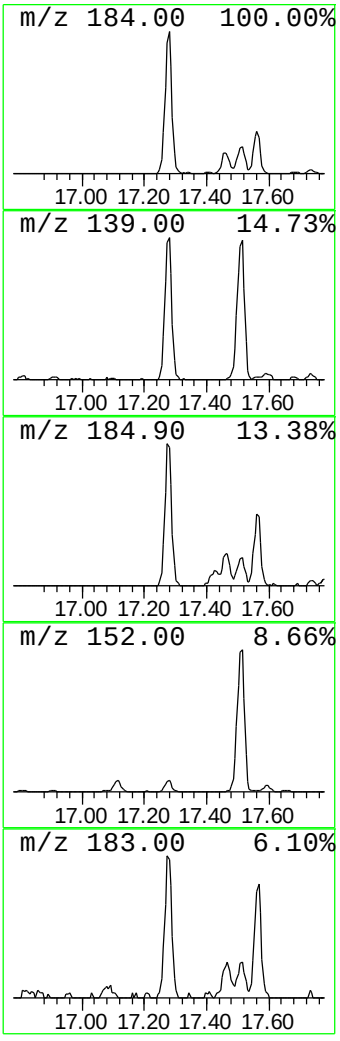
Peak Number 30 Naphtho[2,3-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	15.47 ng/ul	293671	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020549.D
Acq On : 27 Dec 2015 10:42
Operator : UM/SJ
Sample : G4846-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N59

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
Butane, 2-methoxy...	3.17	5.2	ng/ul	29692	1	8.08	114387	20.0
Benzene, 1-ethyl-...	7.15	5.4	ng/ul	30850	1	8.08	114387	20.0
Indane	8.45	48.0	ng/ul	274630	1	8.08	114387	20.0
Indene	8.62	75.4	ng/ul	431420	1	8.08	114387	20.0
Benzofuran, 7-met...	9.44	3.8	ng/ul	21546	1	8.08	114387	20.0
Naphthalene, 1-me...	12.77	2.6	ng/ul	1688180	2	10.91	12740400	20.0
Naphthalene, 1-et...	13.74	13.0	ng/ul	178549	3	14.72	274380	20.0
Naphthalene, 1,6-...	13.89	21.0	ng/ul	287544	3	14.72	274380	20.0
Naphthalene, 2,3-...	14.03	24.4	ng/ul	334893	3	14.72	274380	20.0
Benzene, 2,5-cycl...	14.30	2.8	ng/ul	37889	3	14.72	274380	20.0
2-Naphthalenecarb...	14.85	13.0	ng/ul	177875	3	14.72	274380	20.0
1-Isopropenylnaph...	15.02	5.2	ng/ul	71105	3	14.72	274380	20.0
Naphthalene, 1,6,...	15.32	2.6	ng/ul	36387	3	14.72	274380	20.0
Benzene, [1-(2,4-...	15.88	7.6	ng/ul	104346	3	14.72	274380	20.0
Benzene, 1,1'-(ch...	15.92	11.4	ng/ul	156136	3	14.72	274380	20.0
1,1'-Biphenyl, 4-...	16.00	4.9	ng/ul	67147	3	14.72	274380	20.0
Dibenzofuran, 4-m...	16.05	8.7	ng/ul	118853	3	14.72	274380	20.0
Anthracene, 9,10-...	16.55	6.7	ng/ul	126528	4	17.46	379659	20.0
9H-Fluorene, 3-me...	16.76	6.7	ng/ul	128012	4	17.46	379659	20.0
9H-Fluoren-9-one	17.11	4.4	ng/ul	83730	4	17.46	379659	20.0
Naphtho[2,3-b]thi...	17.28	15.5	ng/ul	293671	4	17.46	379659	20.0