LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	37374	66053	1.51%	0.204%
2	3.172	53	57	67	rVB	32028	46913	1.07%	0.145%
3	7.232	741	748	754	rBV	22281	38991	0.89%	0.121%
4	7.397	770	776	783	rBV	64773	103854	2.37%	0.321%
5	7.602	805	811	822	rVB	66795	116211	2.65%	0.359%
6	8.078	885	892	899	rBV	63441	103734	2.37%	0.321%
7	8.448	949	955	961	rBB	16577	27548	0.63%	0.085%
8	8.619	976	984	991	rBV	79196	134961	3.08%	0.417%
9	8.783	1006	1012	1020	rBV	63246	108694	2.48%	0.336%
10	9.248	1083	1091	1102	rBB	85277	156994	3.58%	0.485%
11	9.565	1138	1145	1150	rBV3	10115	19776	0.45%	0.061%
12	9.970	1207	1214	1223	rBB	76949	137057	3.12%	0.424%
13	10.287	1262	1268	1270	rBV4	14573	24957	0.57%	0.077%
14	10.311	1270	1272	1278	rVV3	11515	21277	0.49%	0.066%
15	10.381	1278	1284	1296	rVB4	11047	32792	0.75%	0.101%
16	10.517	1299	1307	1316	rBV2	122733	218085	4.97%	0.674%
17	10.899	1363	1372	1375	rBV	84203	167140	3.81%	0.517%
18	10.963	1375	1383	1393	rVV	2204303	4386115	100.00%	13.562%
19	11.069	1394	1401	1412	rVB	86029	150651	3.43%	0.466%
20	11.715	1506	1511	1518	rBB2	15176	24694	0.56%	0.076%
21	12.444	1629	1635	1644	rBV	19150	33955	0.77%	0.105%
22	12.550	1644	1653	1665	rVV	960547	1593478	36.33%	4.927%
23	12.661	1665	1672	1679	rVV	24870	47479	1.08%	0.147%
24	12.767	1679	1690	1699	rVB	572439	944089	21.52%	2.919%
25	13.542	1816	1822	1832	rBV	293357	469652	10.71%	1.452%
26	13.742	1850	1856	1867	rVB	61275	121079	2.76%	0.374%
27	14.030	1898	1905	1910	rBV	131076	234008	5.34%	0.724%
28	14.112	1910	1919	1925	rVV2	258696	484122	11.04%	1.497%
29	14.271	1939	1946	1949	rBV	53723	86763	1.98%	0.268%
30	14.300	1949	1951	1957	rVB	21428	25387	0.58%	0.078%
31	14.406	1962	1969	1973	rBV	268594	488906	11.15%	1.512%
32	14.682	2010	2016	2018	rBV	63755	99137	2.26%	0.307%
33	14.712	2018	2021	2026	rVV2	154376	250707	5.72%	0.775%
34	14.788	2026	2034	2039	rVV	1828555	2960705	67.50%	9.155%

LSC Area Percent Report

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Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	14.847	2039	2044	2050	rVV	199348	301852	6.88%	0.933%
36	14.917	2050	2056	2063	rVV4	27657	52154	1.19%	0.161%
37	15.017	2069	2073	2078	rVV	41979	66320	1.51%	0.205%
38	15.117	2082	2090	2097	rVV	972653	1597217	36.42%	4.939%
39	15.193	2097	2103	2110	rVB2	33395	62526	1.43%	0.193%
40	15.323	2116	2125	2130	rBV3	13697	27272	0.62%	0.084%
41	15.376	2130	2134	2146	rVV4	10380	22650	0.52%	0.070%
42	15.705	2180	2190	2194	rVV	359659	582305	13.28%	1.800%
43	15.763	2194	2200	2206	rVV	1258106	1956596	44.61%	6.050%
44	15.828	2206	2211	2217	rVV3	101299	202376	4.61%	0.626%
45	15.881	2217	2220	2223	rVV2	67685	105996	2.42%	0.328%
46	15.916	2223	2226	2232	rVV2	88265	155158	3.54%	0.480%
47	15.969	2232	2235	2238	rVV2	27608	43723	1.00%	0.135%
48	16.010	2238	2242	2245	rVV	42150	66484	1.52%	0.206%
49	16.051	2245	2249	2257	rVV	75329	116594	2.66%	0.361%
50	16.192	2257	2273	2284	rVV2	103818	247922	5.65%	0.767%
51	16.286	2284	2289	2295	rVV	14797	26784	0.61%	0.083%
52	16.427	2303	2313	2319	rVB4	16708	32557	0.74%	0.101%
53	16.545	2324	2333	2340	rBV	72331	111535	2.54%	0.345%
54	16.633	2346	2348	2357	rVB4	12169	20717	0.47%	0.064%
55	16.715	2357	2362	2364	rBV3	28165	45740	1.04%	0.141%
56	16.756	2365	2369	2374	rVB	54038	86898	1.98%	0.269%
57	16.809	2374	2378	2384	rVB2	23815	33985	0.77%	0.105%
58	16.909	2387	2395	2400	rVB	26551	40902	0.93%	0.126%
59	17.109	2425	2429	2436	rVB	24631	43311	0.99%	0.134%
60	17.279	2452	2458	2466	rVV	184919	282081	6.43%	0.872%
61	17.461	2483	2489	2492	rVV	229874	391763	8.93%	1.211%
62	17.514	2492	2498	2502	rVV	2209996	3642160	83.04%	11.262%
63	17.561	2502	2506	2510	rVV	452400	698717	15.93%	2.160%
64	17.591	2510	2511	2516	rVV	149101	167128	3.81%	0.517%
65	17.649	2516	2521	2530	rVB4	25960	56207	1.28%	0.174%
66	17.867	2551	2558	2565	rVB	719771	1101472	25.11%	3.406%
67	17.973	2568	2576	2580	rBV6	36642	76907	1.75%	0.238%
68	18.020	2580	2584	2590	rVB2	23526	36284	0.83%	0.112%
69	18.096	2594	2597	2603	rVB2	12629	22524	0.51%	0.070%
70	18.296	2626	2631	2633	rVV	19360	26216	0.60%	0.081%
71	18.331	2633	2637	2641	rVV	75758	106906	2.44%	0.331%

LSC Area Percent Report

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Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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	18.378	2641	2645	2652	rVB	200888	290963	6.63%	0.900%
73	18.454	2652	2658	2664	rVB2	28985	53528	1.22%	0.166%
74	18.531	2664	2671	2680	rBV2	209111	379769	8.66%	1.174%
75	18.631	2680	2688	2692	rBV2	65776	117010	2.67%	0.362%
76	18.678	2692	2696	2699	rVV	75097	98947	2.26%	0.306%
77	18.766	2706	2711	2717	rBV2	69355	106870	2.44%	0.330%
78	18.825	2717	2721	2725	rVB2	52294	67326	1.53%	0.208%
79	18.872	2725	2729	2734	rBV	82767	112737	2.57%	0.349%
80	19.236	2786	2791	2799	rVB10	12676	35007	0.80%	0.108%
81	19.342	2805	2809	2814	rVV3	15334	34793	0.79%	0.108%
82	19.389	2814	2817	2823	rVB4	15765	25006	0.57%	0.077%
83	19.506	2830	2837	2844	rVB	578540	824092	18.79%	2.548%
84	19.700	2865	2870	2874	rBV3	23976	39758	0.91%	0.123%
85	19.753	2875	2879	2884	rVV2	21282	37418	0.85%	0.116%
86	19.841	2888	2894	2897	rVV	557741	901298	20.55%	2.787%
87	19.870	2897	2899	2906	rVV	360021	444110	10.13%	1.373%
88	19.929	2906	2909	2918	rVB4	11735	23041	0.53%	0.071%
89	20.058	2924	2931	2938	rVB2	17853	35488	0.81%	0.110%
90	20.246	2958	2963	2968	rVV	117017	162170	3.70%	0.501%
91	20.305	2968	2973	2978	rVV	38808	69626	1.59%	0.215%
92	20.358	2978	2982	2986	rVB	21213	34671	0.79%	0.107%
93	20.458	2993	2999	3004	rBV	27306	44613	1.02%	0.138%
94	20.963	3081	3085	3095	rVB2	12852	27819	0.63%	0.086%
95	21.310	3139	3144	3148	rBV2	12192	21604	0.49%	0.067%
96	21.733	3207	3216	3222	rBV2	308475	558565	12.73%	1.727%
97	22.150	3280	3287	3296	rVB	28020	51525	1.17%	0.159%
98	22.385	3320	3327	3337	rBV2	11644	32292	0.74%	0.100%
99	24.782	3722	3735	3748	rBV	242979	741167	16.90%	2.292%
100	25.006	3762	3773	3788	rBV	121762	386381	8.81%	1.195%

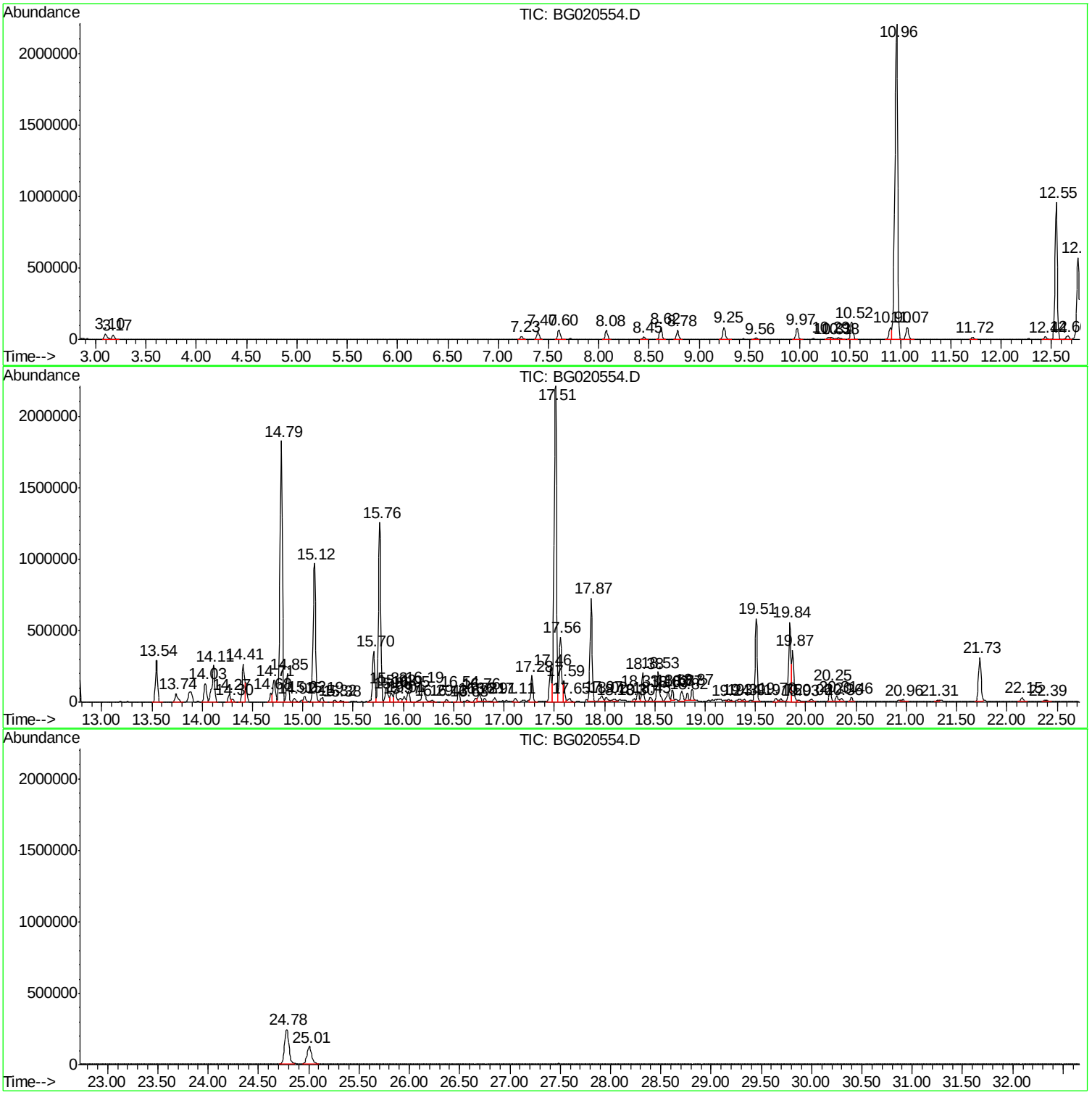
Sum of corrected areas: 32341497

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N64

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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Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

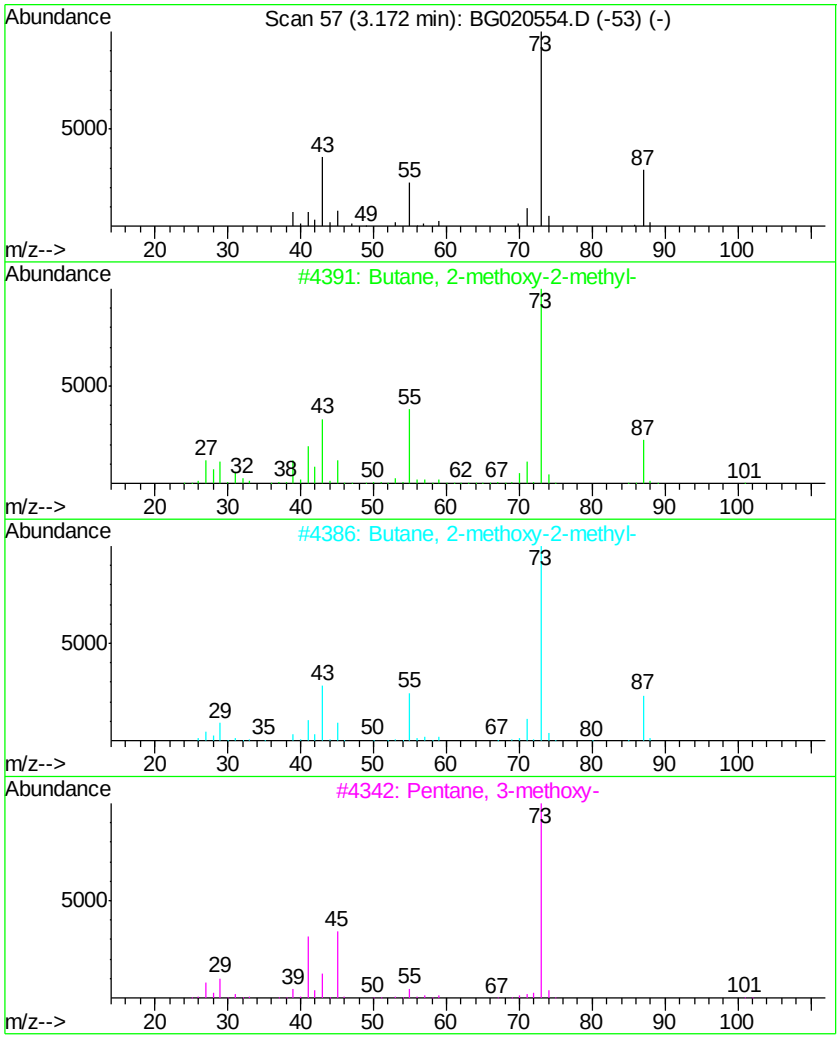
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

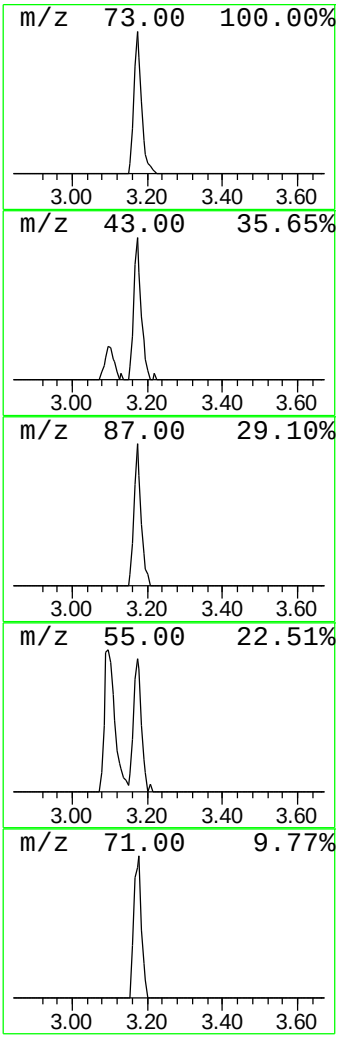
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	9.04 ng/ul	46913	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	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

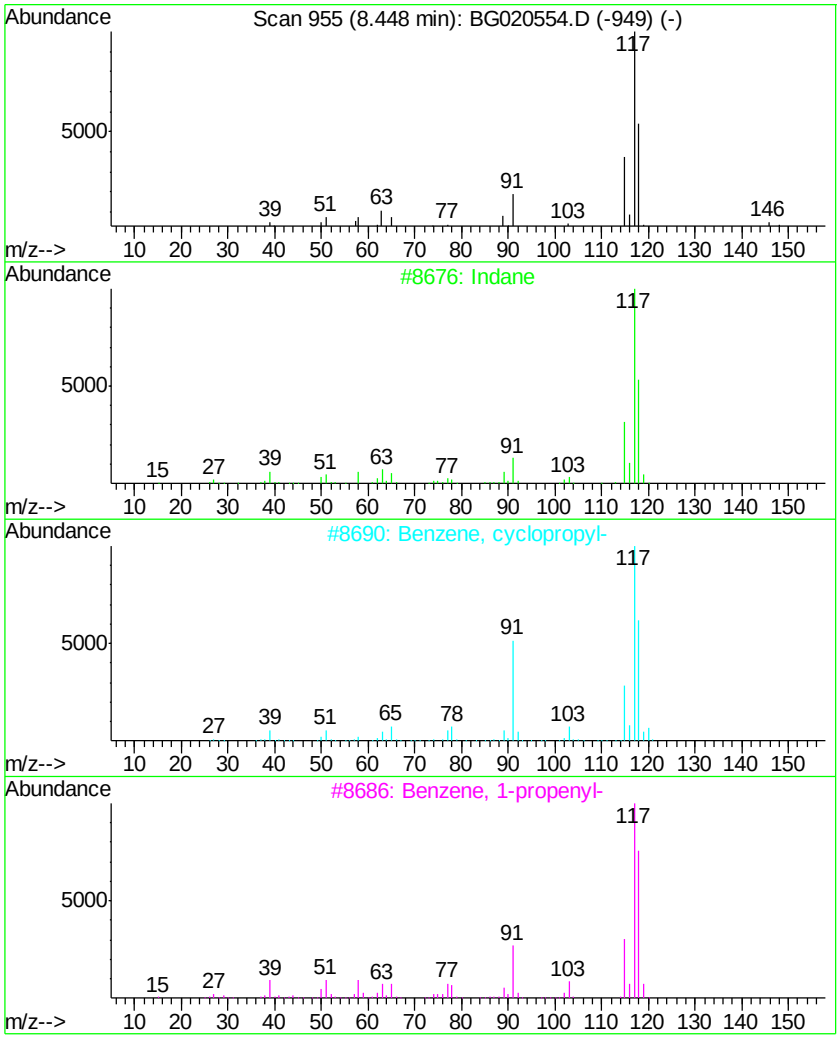
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

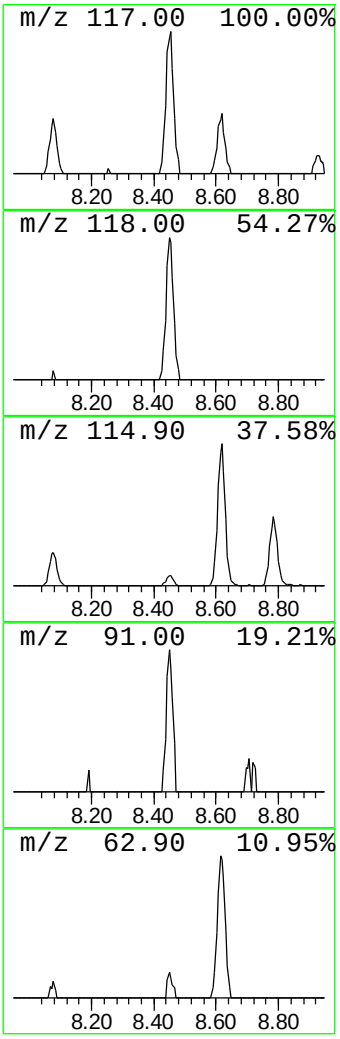
****

Peak Number 3 Indane Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	5.31 ng/ul	27548	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	58
4	Deltacyclene	118	C9H10	007785-10-6	53
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
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Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

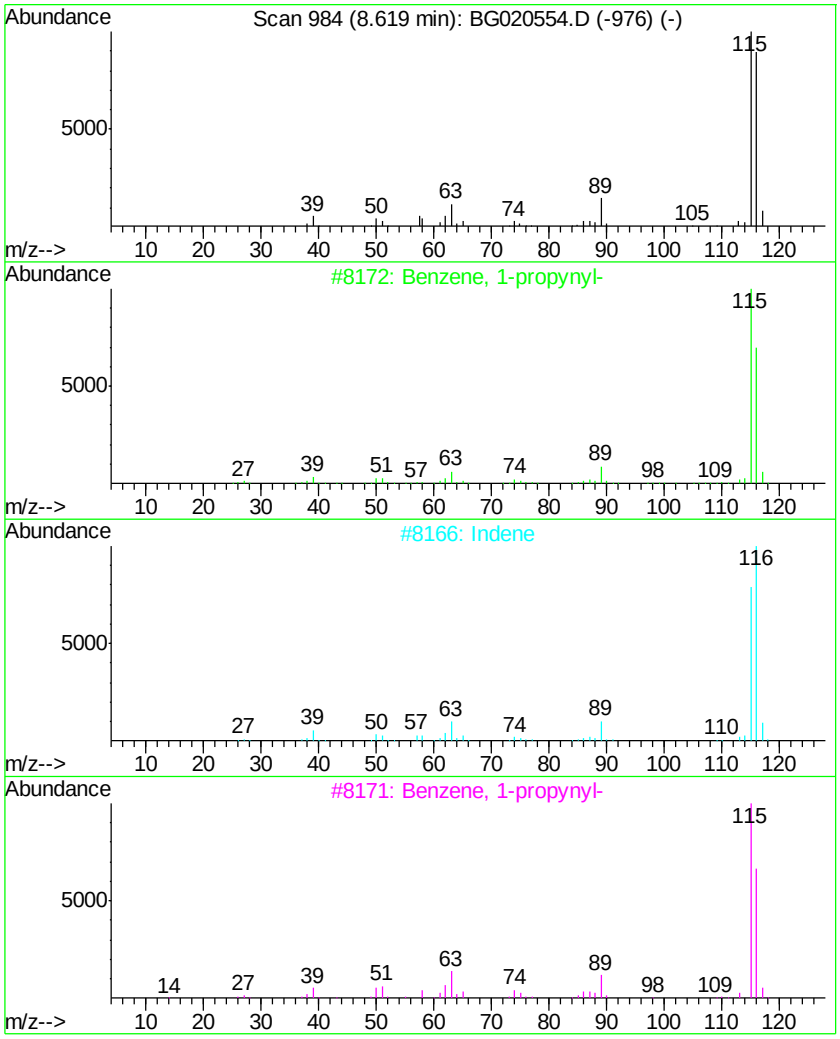
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

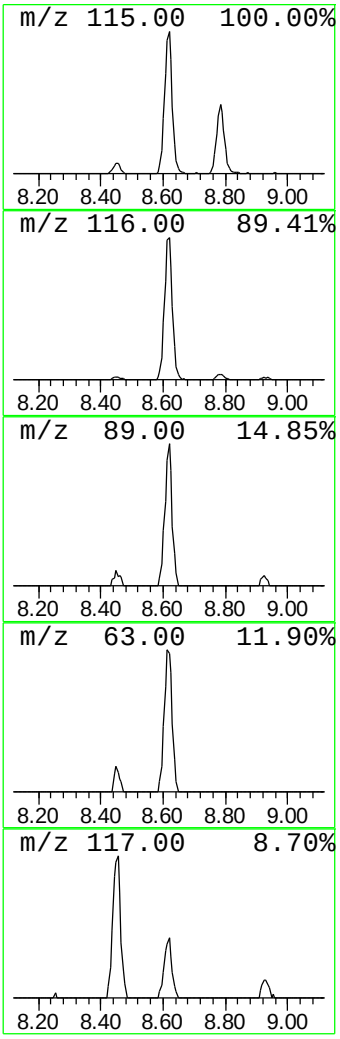
****

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	26.02 ng/ul	134961	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Indene	116	C9H8	000095-13-6	94
5	Indene	116	C9H8	000095-13-6	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

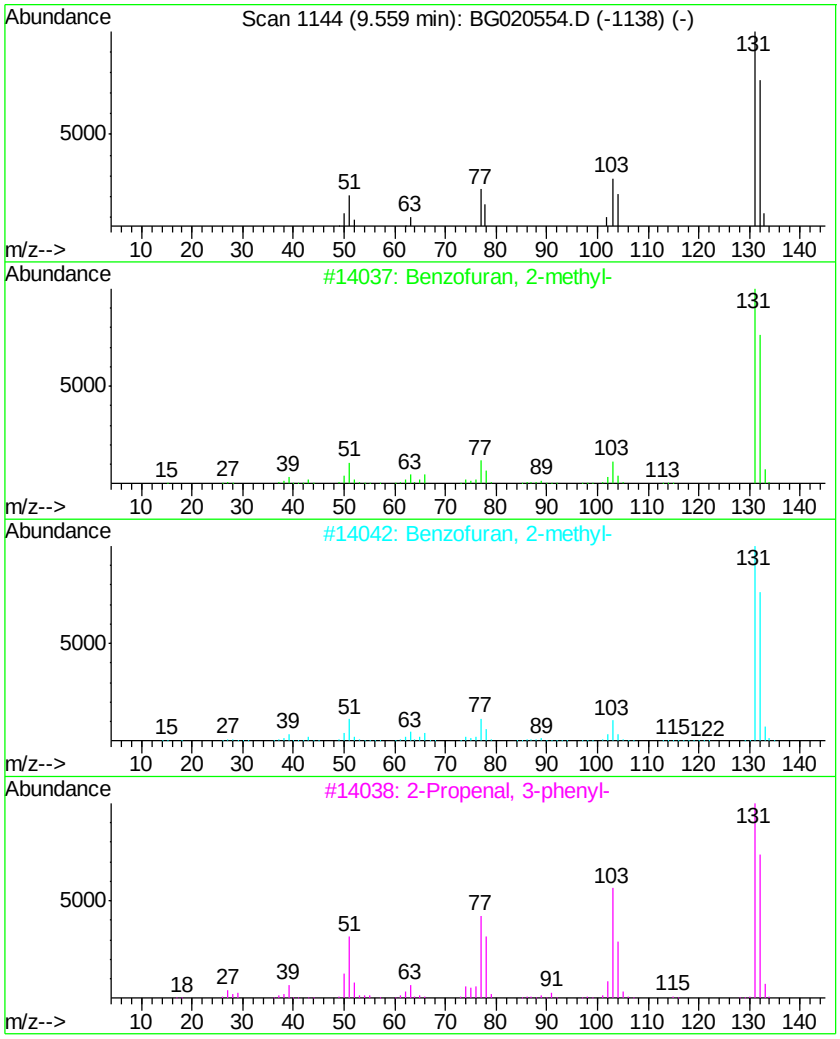
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

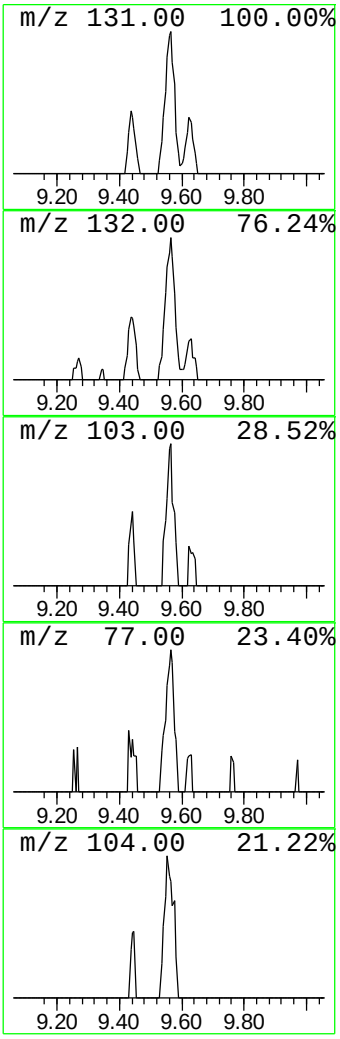
****

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	2.37 ng/ul	19776	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

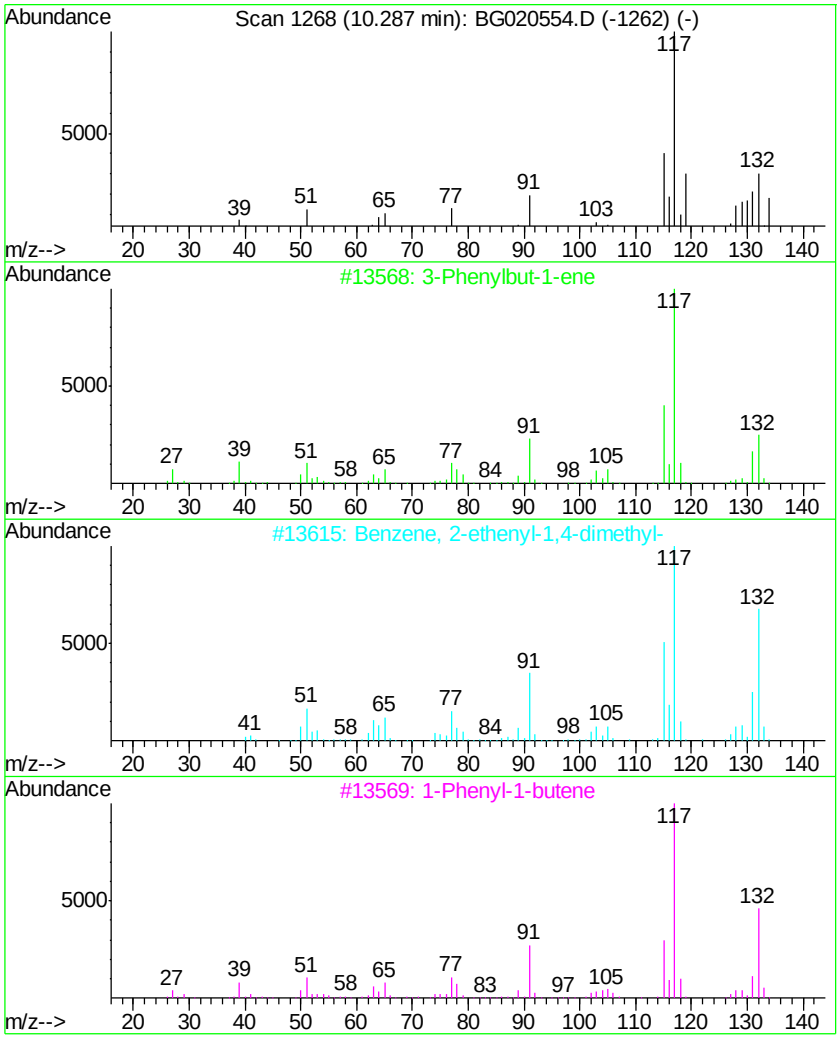
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

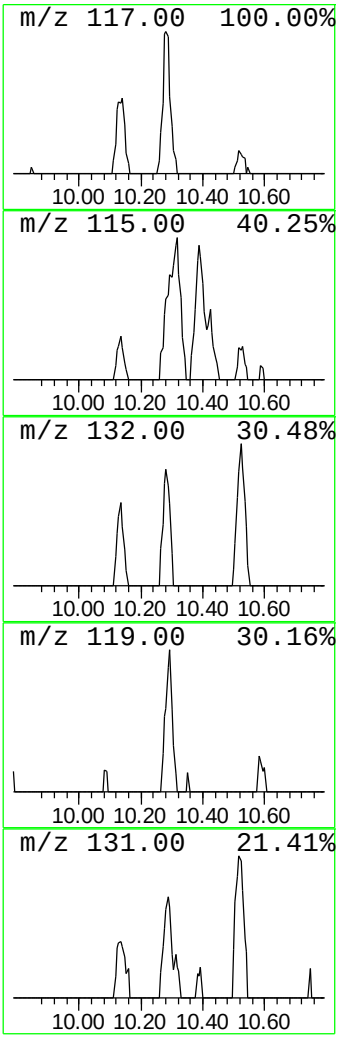
****

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	2.99 ng/ul	24957	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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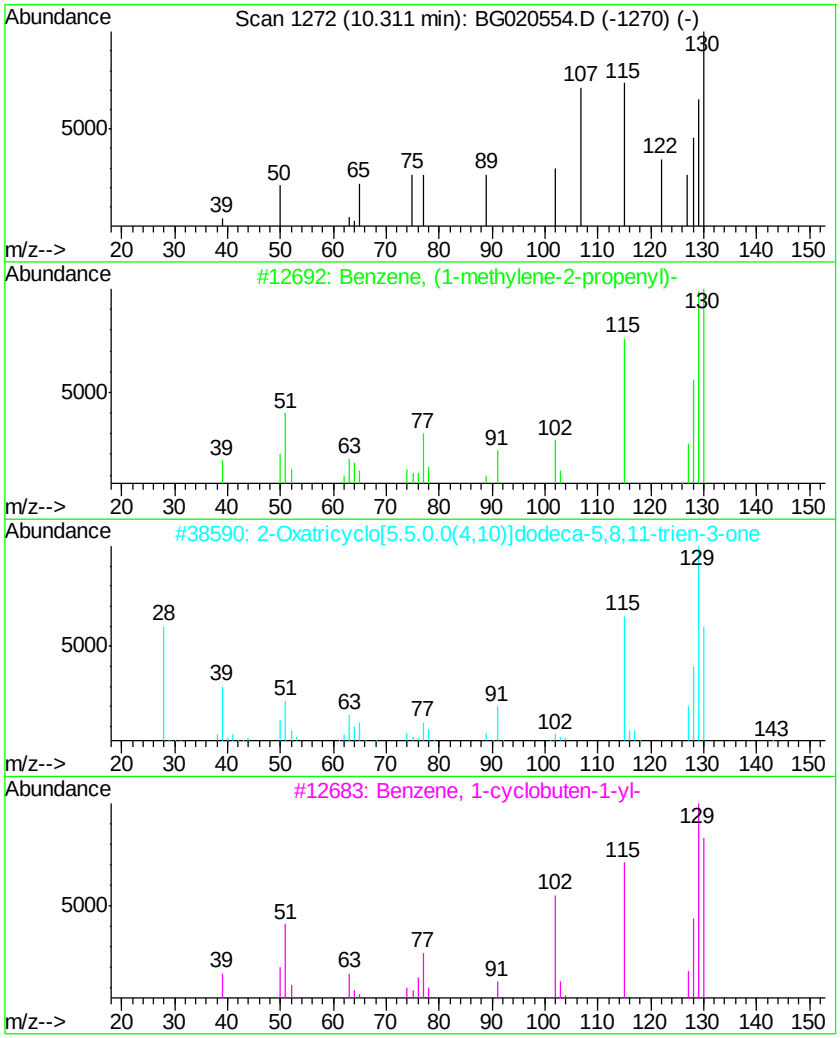
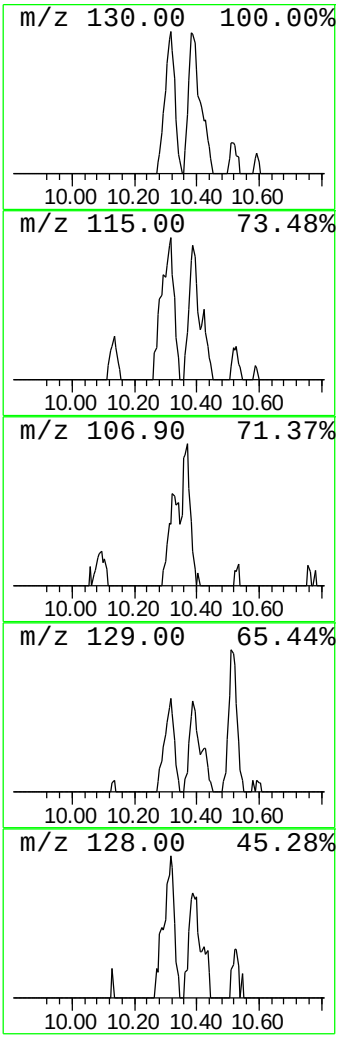
Peak Number 7 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	2.55 ng/ul	21277	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	38
2	2-Oxatricyclo[5.5.0.0(4,10)]dode...	174	C11H10O2	056909-26-3	28
3	Benzene, 1-cyclobuten-1-yl-	130	C10H10	003365-26-2	23
4	Benzene, (cyclopropylidenemethyl)-	130	C10H10	007555-67-1	10
5	Benzenemethanol, .alpha.-methyl-	122	C8H10O	000098-85-1	9





Library Search Compound Report

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Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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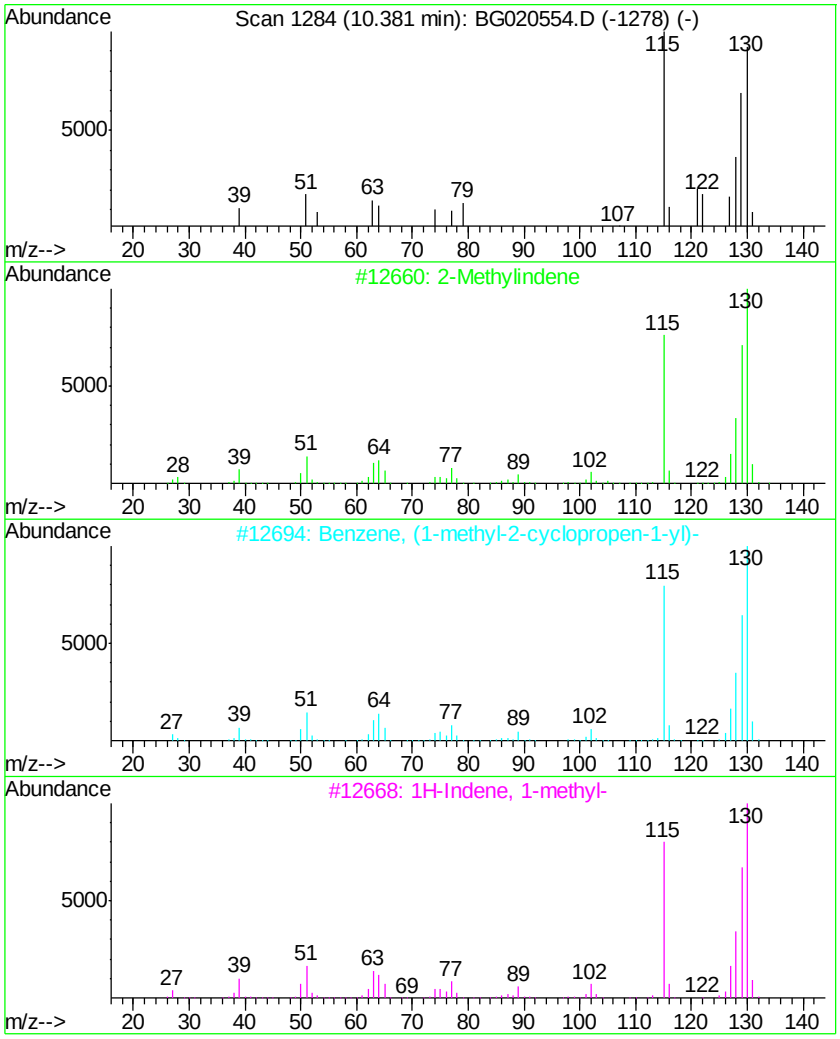
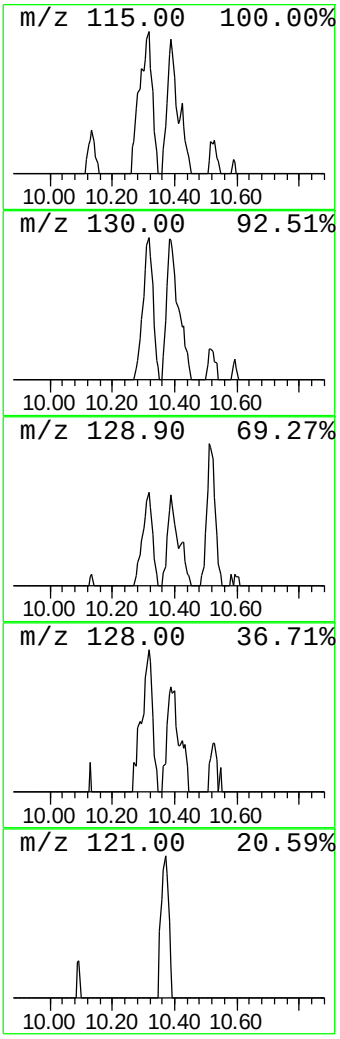
Peak Number 8 2-Methylindene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	3.92 ng/ul	32792	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	87
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	87
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	87
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	87
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	83





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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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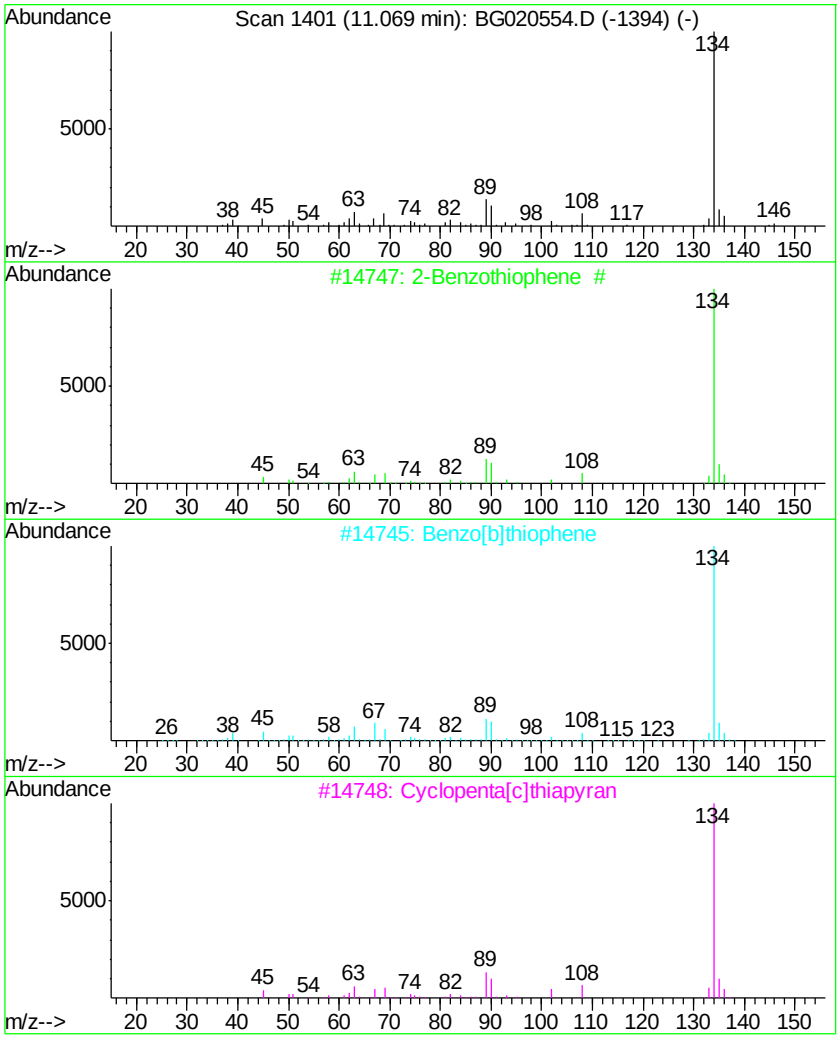
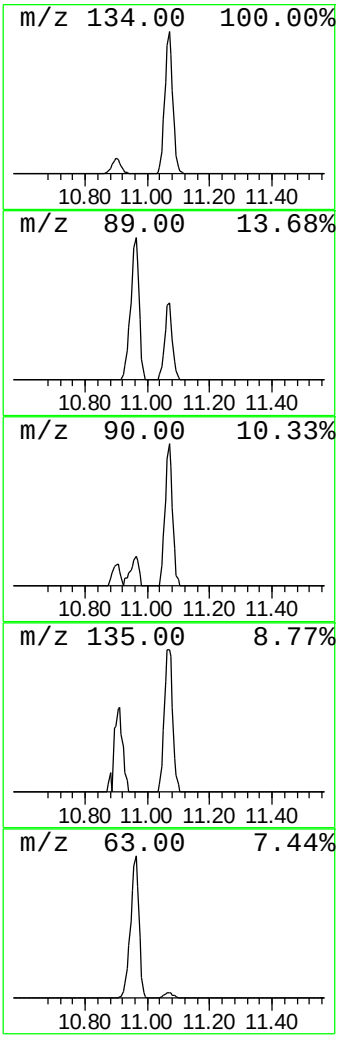
Peak Number 9 2-Benzothiophene # Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	18.03 ng/ul	150651	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





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Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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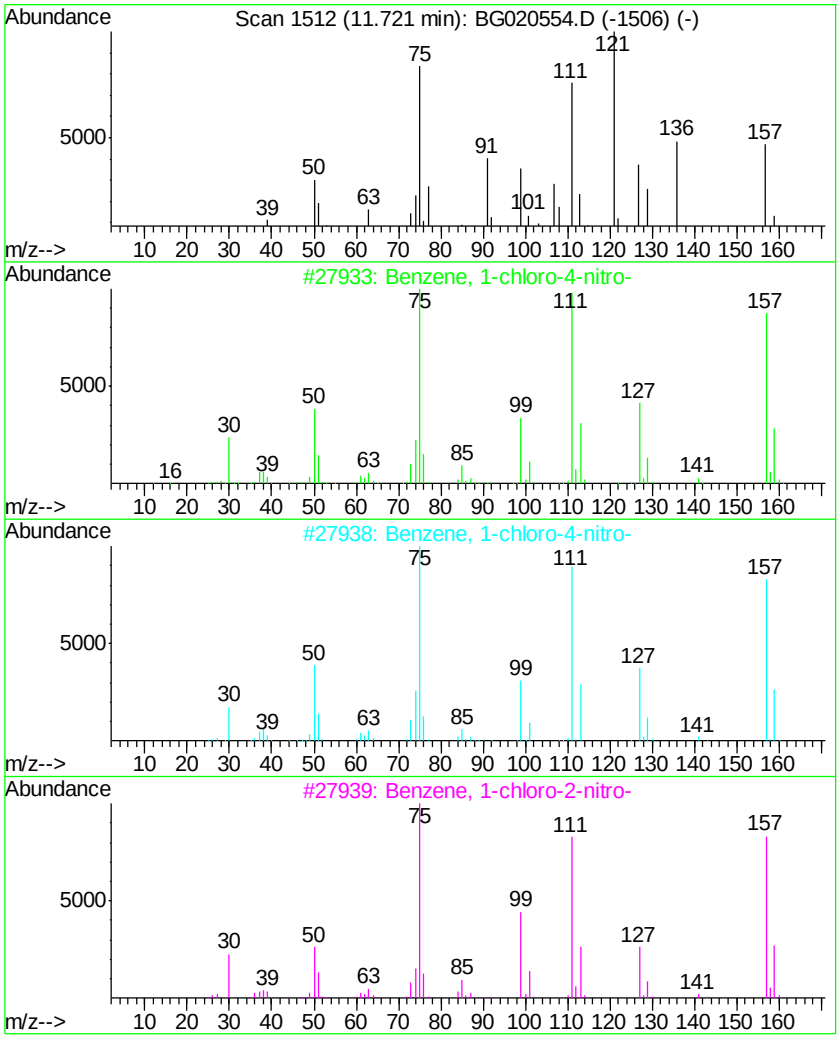
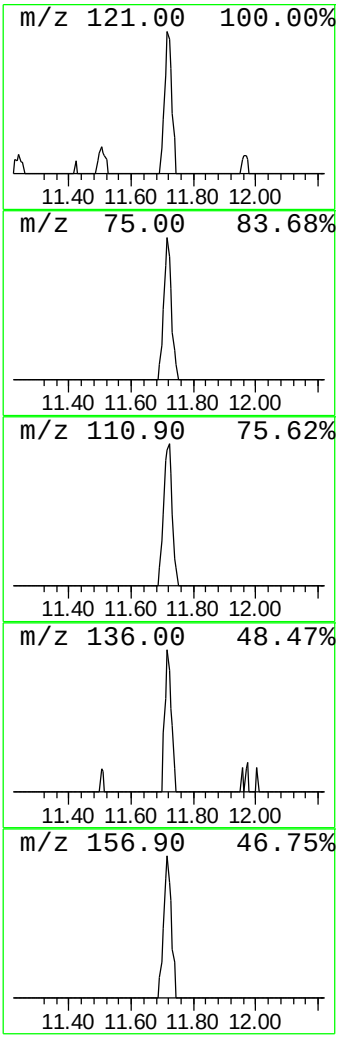
Peak Number 10 Benzene, 1-chloro-4-nitro- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.95 ng/ul	24694	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	95
2	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	91
3	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	50
4	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	49
5	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	43





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Sample : G4846-18
Misc :
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Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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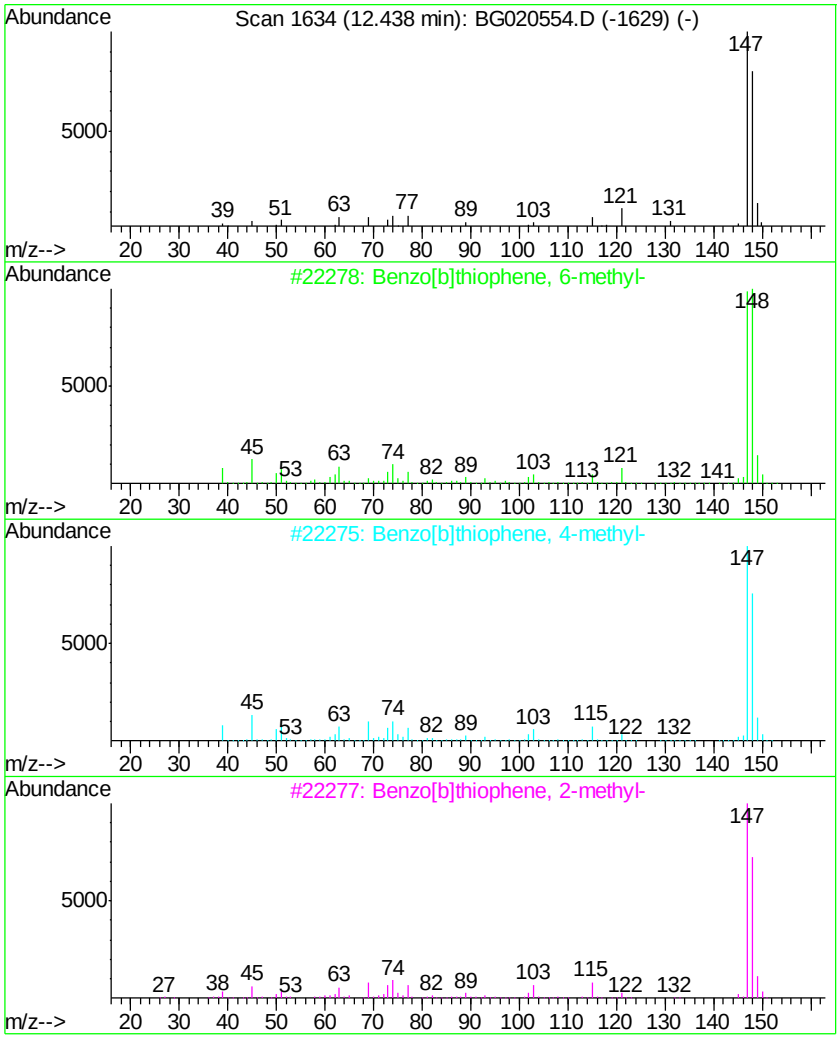
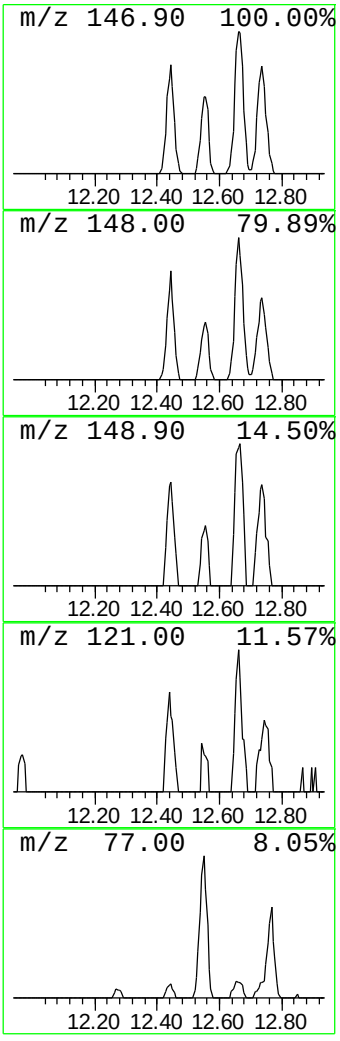
Peak Number 11 Benzo[b]thiophene, 6-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	4.06 ng/ul	33955	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90





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Acq On : 27 Dec 2015 13:58
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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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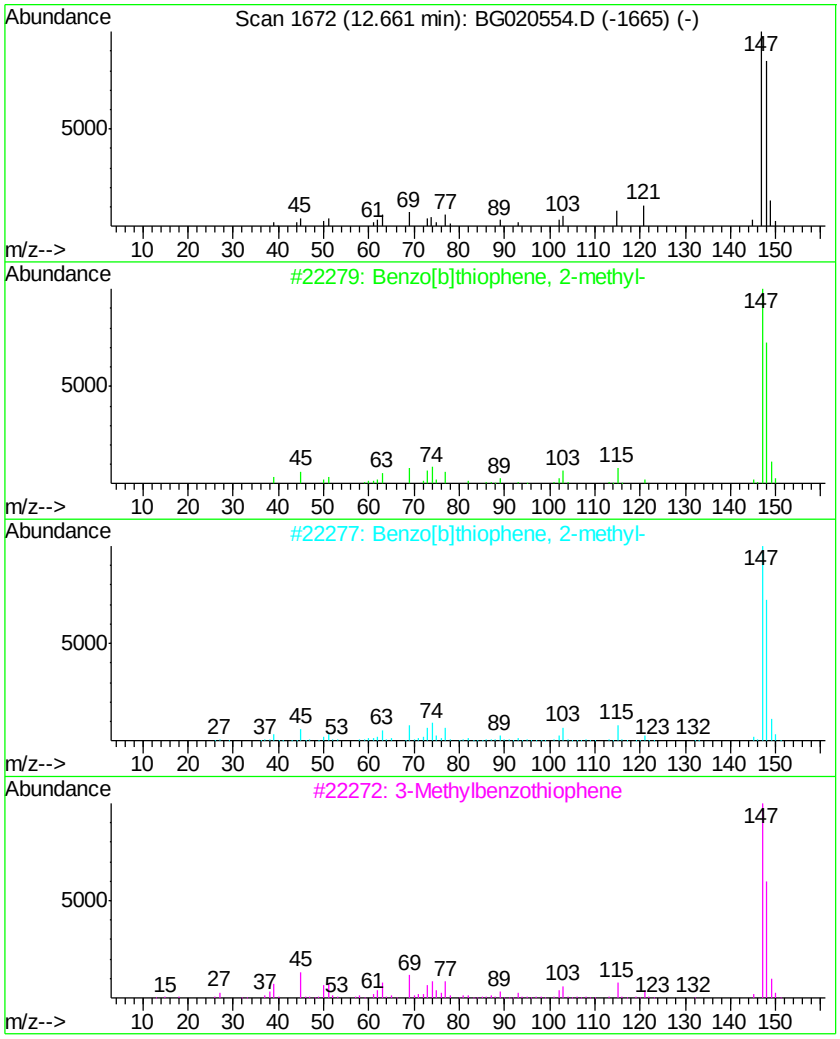
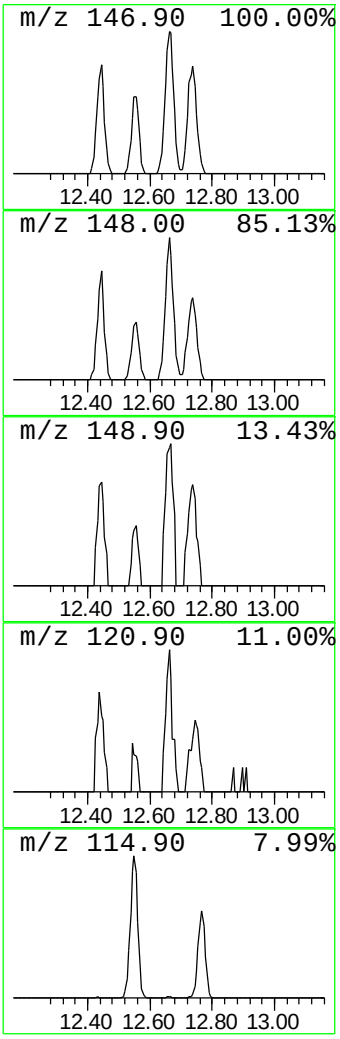
Peak Number 12 Benzo[b]thiophene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	5.68 ng/ul	47479	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91





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Sample : G4846-18
Misc :
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Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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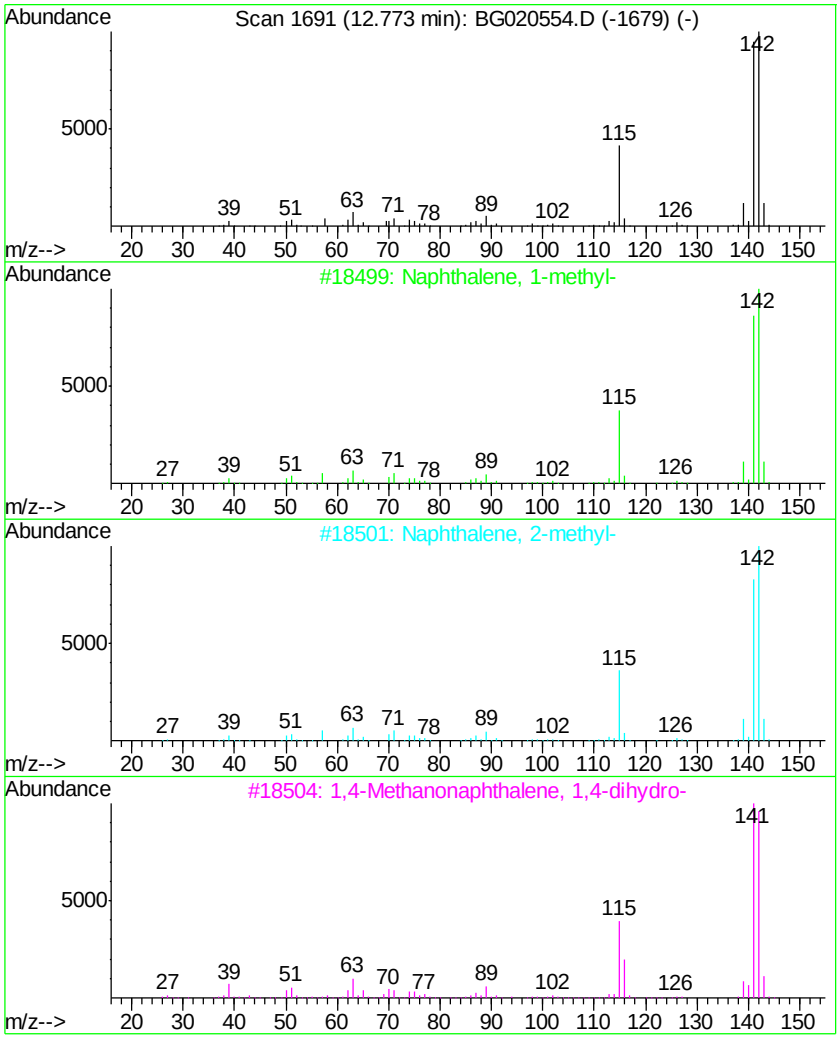
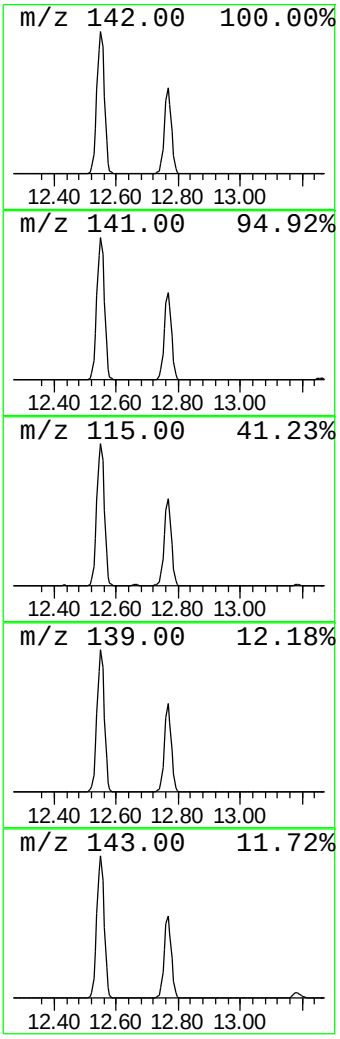
Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	112.97 ng/ul	944089	Naphthalene-d8	10.90

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Sample : G4846-18
Misc :
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Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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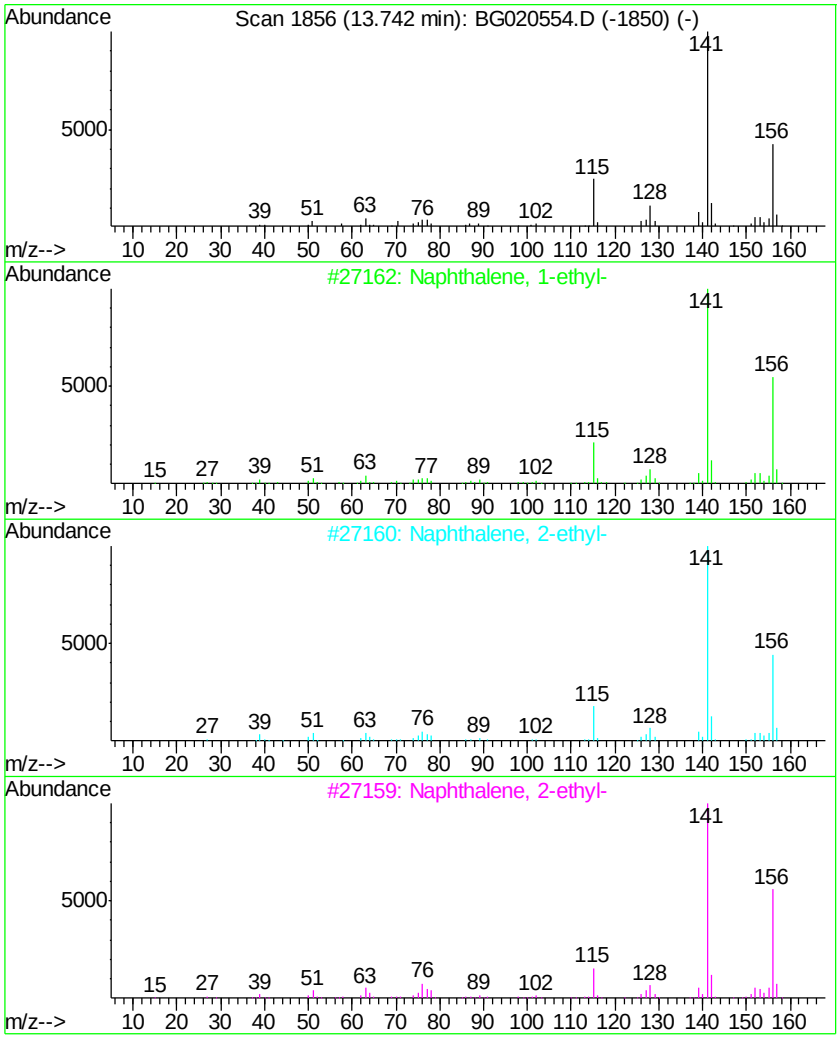
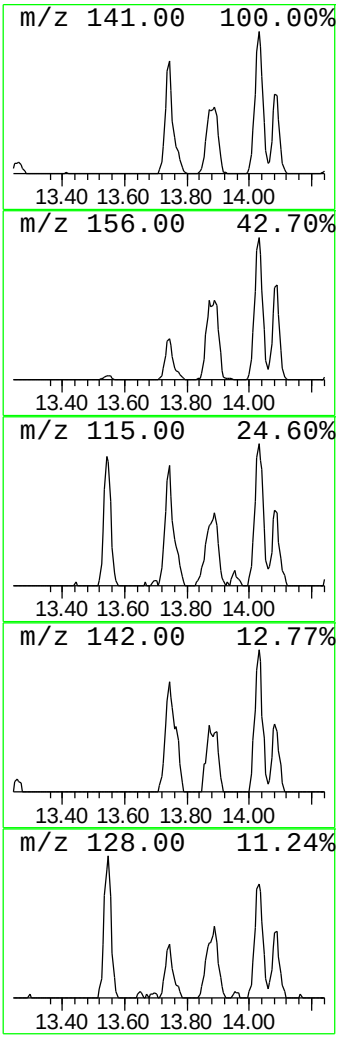
Peak Number 14 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	9.66 ng/ul	121079	Acenaphthene-d10	14.71

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





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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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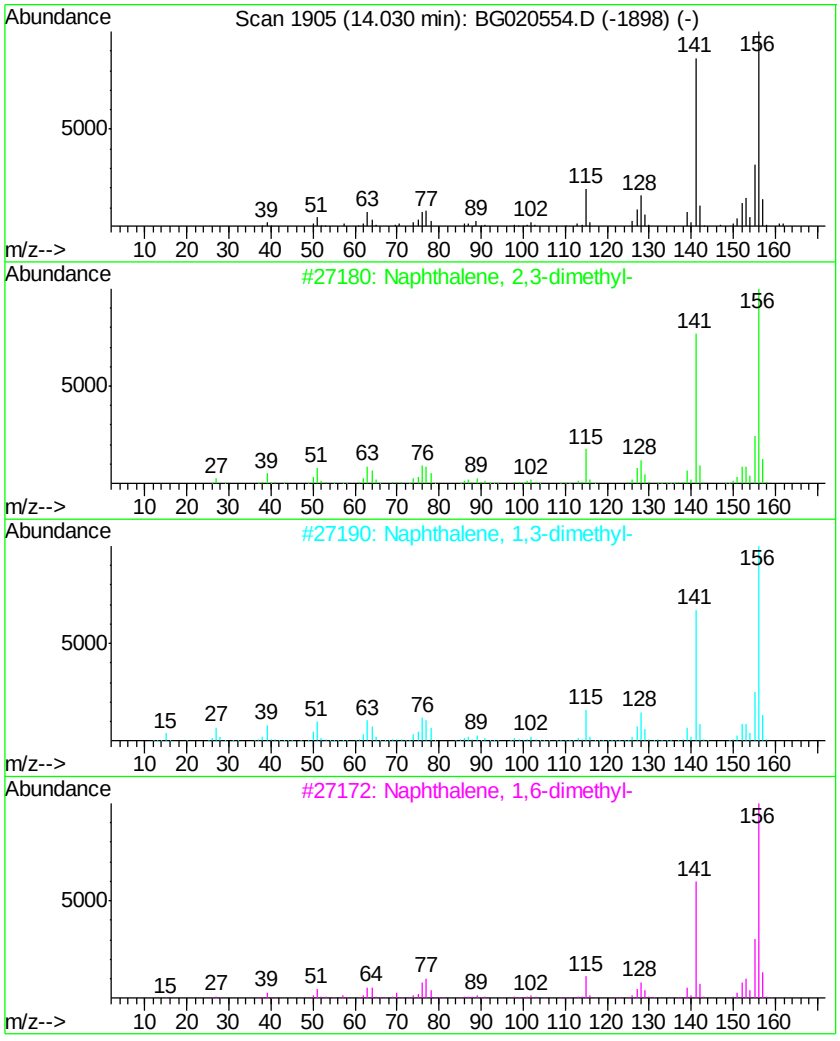
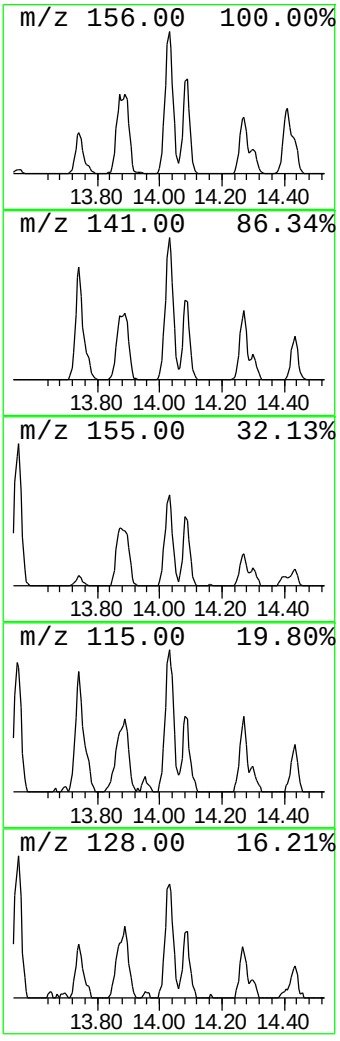
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	18.67 ng/ul	234008	Acenaphthene-d10	14.71

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





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Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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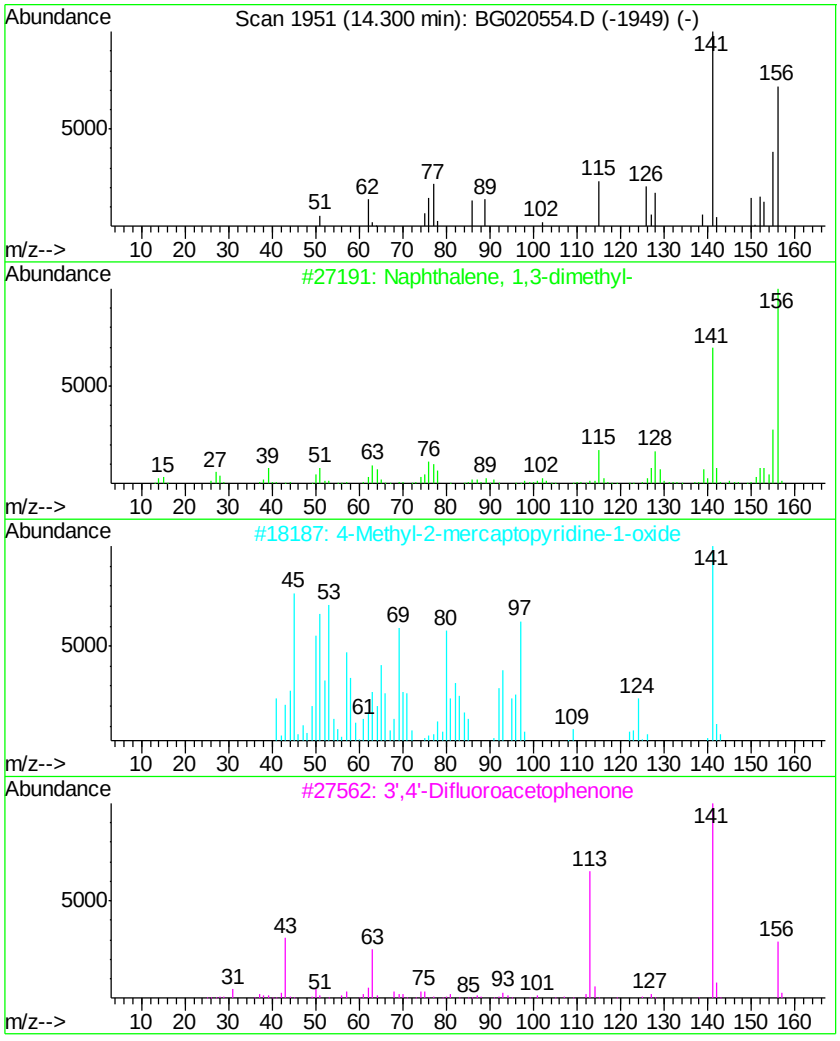
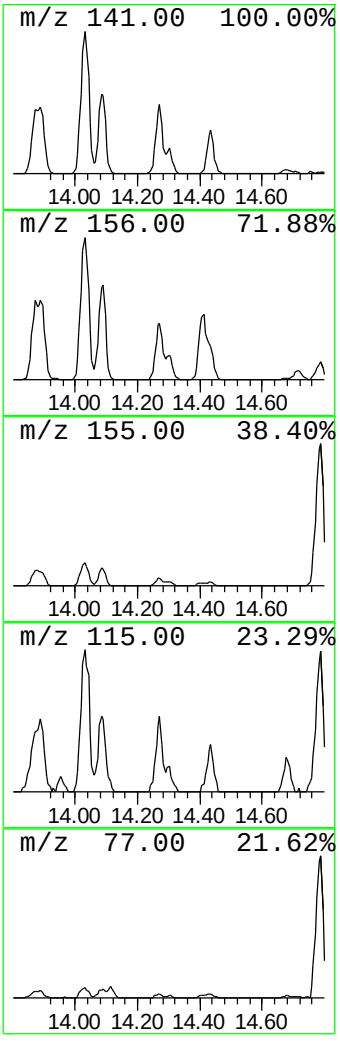
Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	2.03 ng/ul	25387	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	23
2	4-Methyl-2-mercaptopyridine-1-oxide	141	C6H7NOS	034341-26-9	9
3	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	9
4	4-Hydroxylamino-6-methylpyrimidi...	141	C5H7N3O2	006220-22-0	9
5	3-Hepten-2-one, O-methyloxime	141	C8H15NO	056336-01-7	9





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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 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	24.08 ng/ul	301852	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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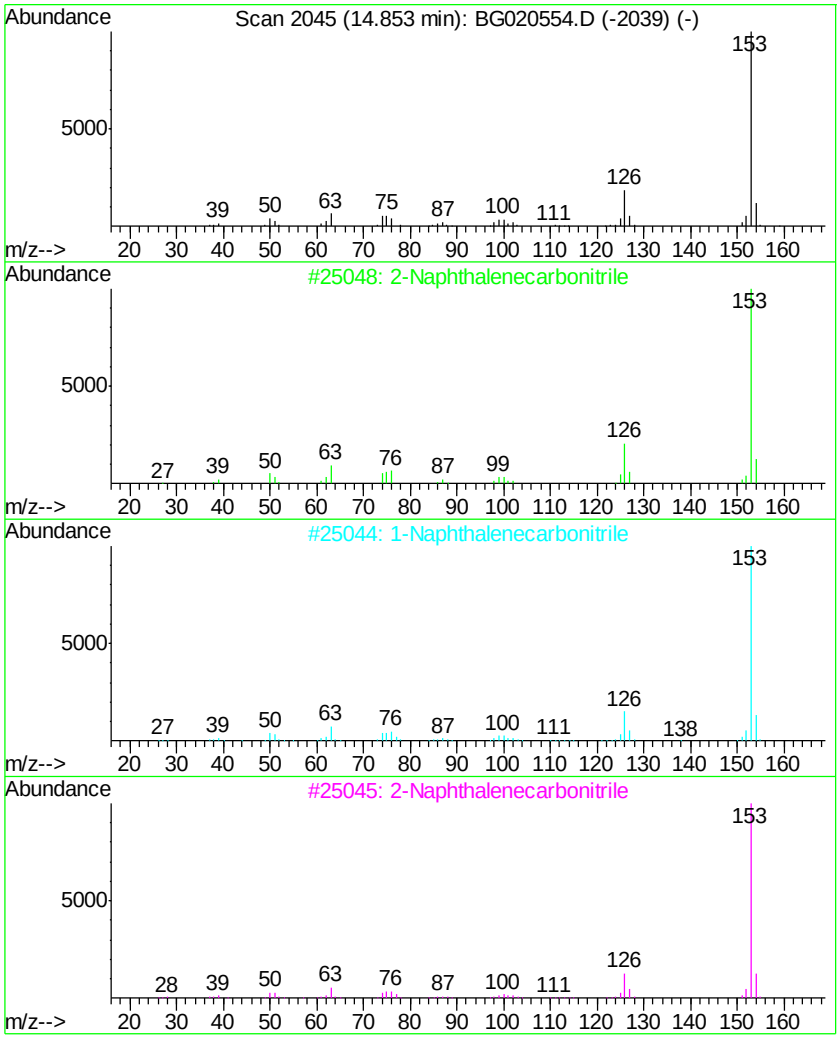

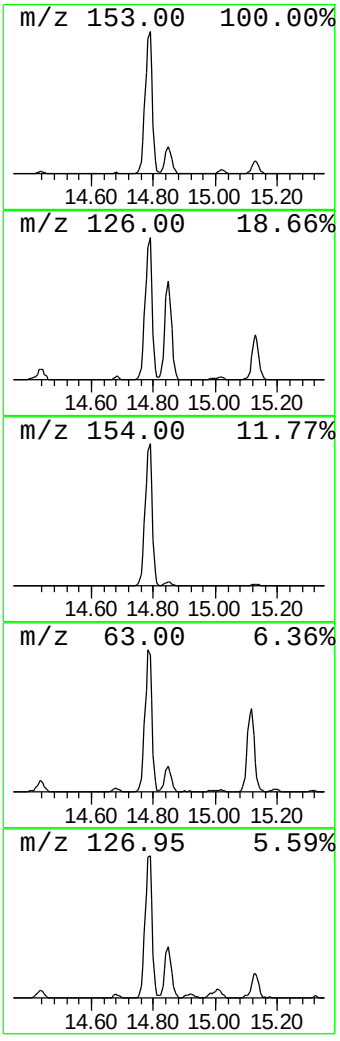

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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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Quant Title : SVOA CALIBRATION

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

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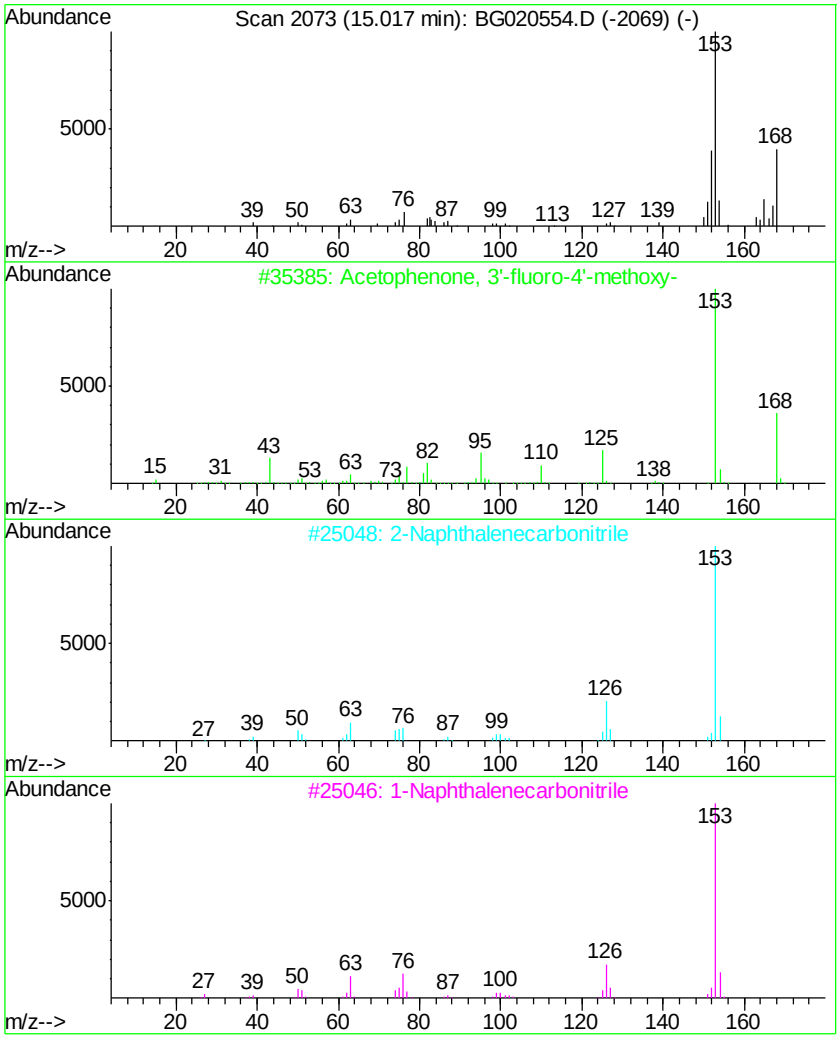
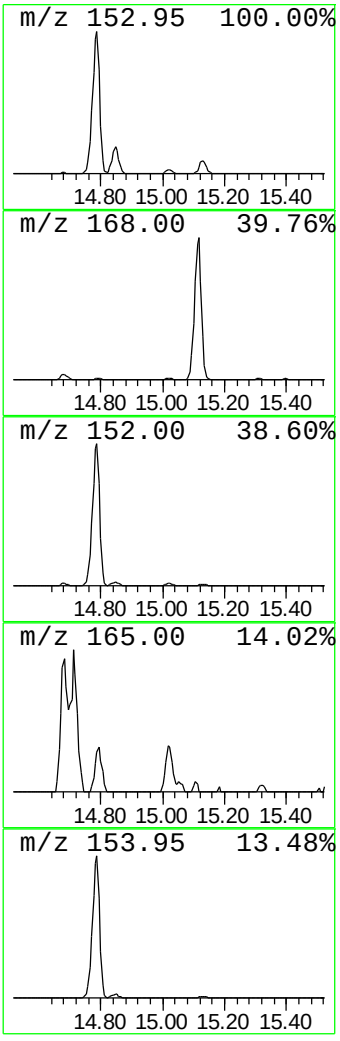
Peak Number 19 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	5.29 ng/ul	66320	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	37
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	25
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	17
4	Benzeneacetonitrile, 2,5-difluoro-	153	C8H5F2N	069584-87-8	9
5	2-Fluorobenzothiazole	153	C7H4FNS	001123-98-4	9





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Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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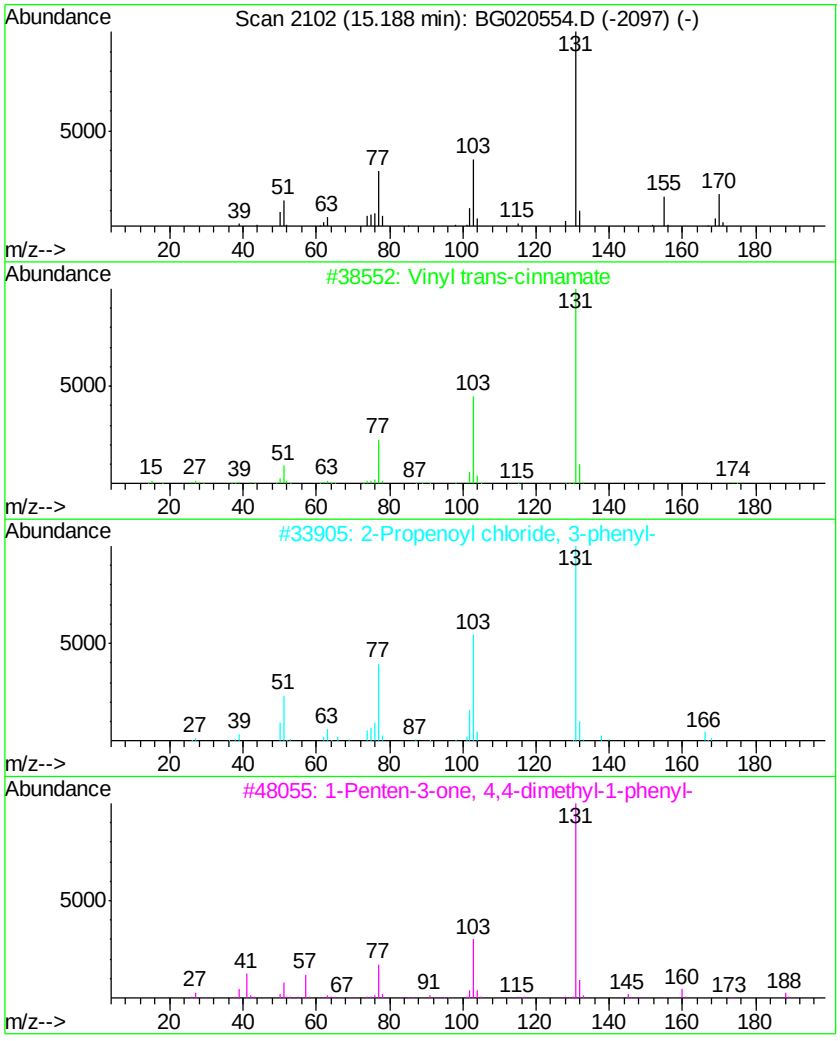
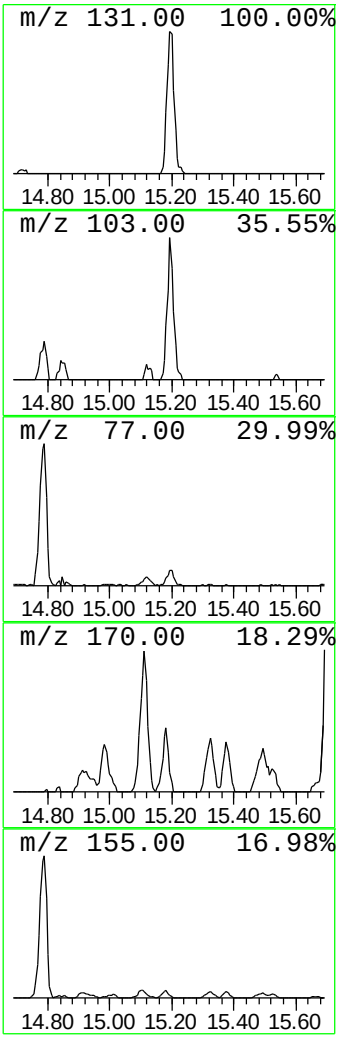
Peak Number 20 Vinyl trans-cinnamate Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.99 ng/ul	62526	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	78
2	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	78
3	1-Penten-3-one, 4,4-dimethyl-1-p...	188	C13H16O	000538-44-3	78
4	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	78
5	1-(2-Vinylphenyl)propan-1-one	160	C11H12O	052095-41-7	78





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Acq On : 27 Dec 2015 13:58
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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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

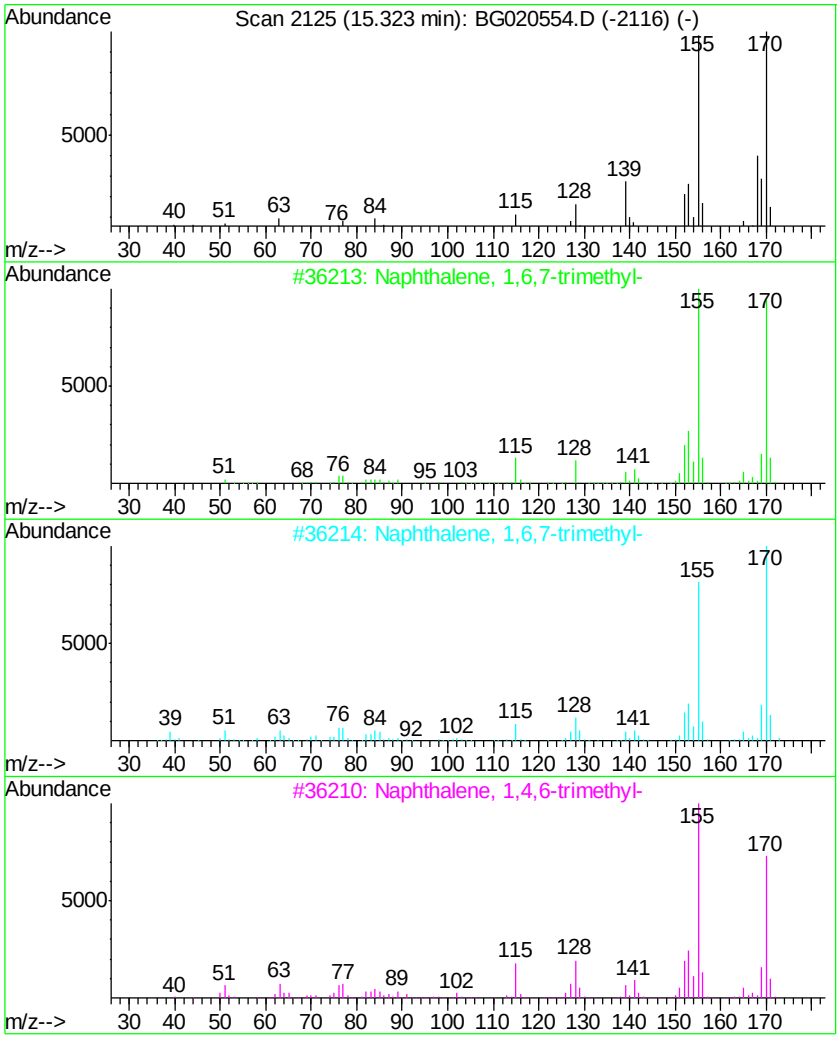
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

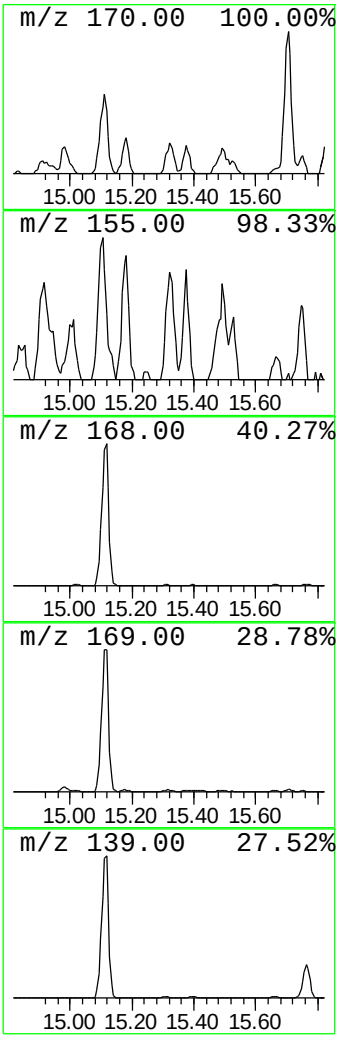
****

Peak Number 21 Naphthalene, 1,6,7-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	2.18 ng/ul	27272	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92





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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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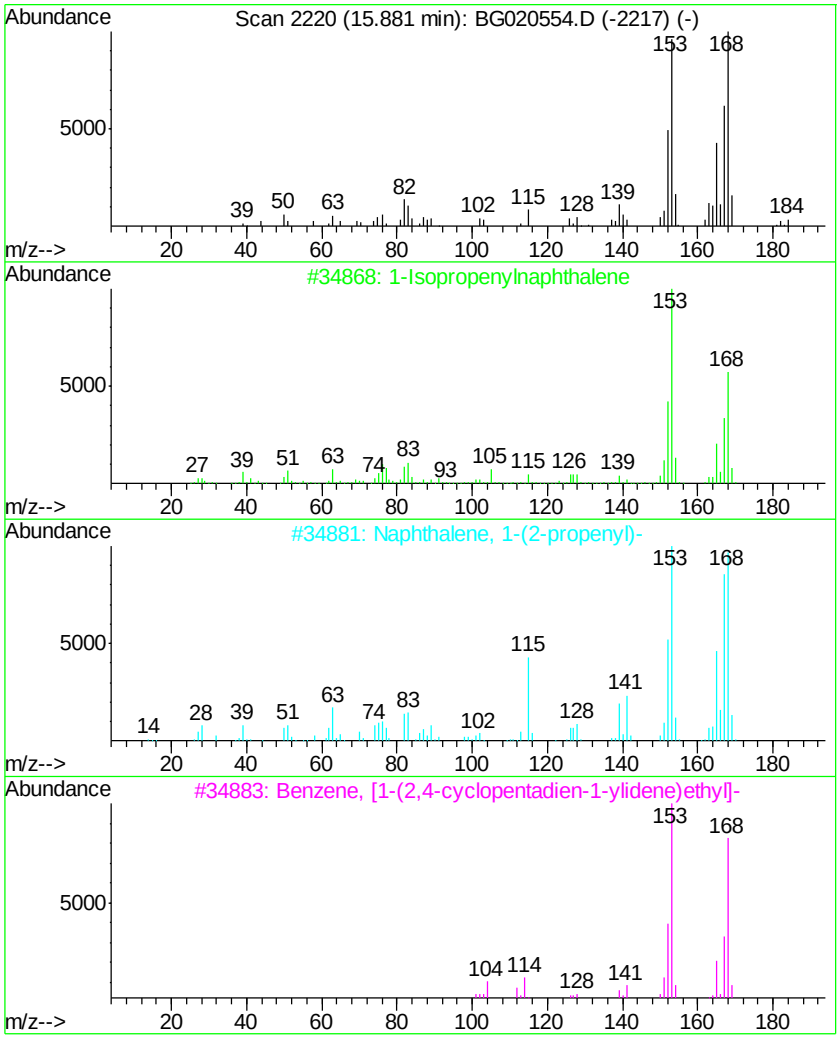
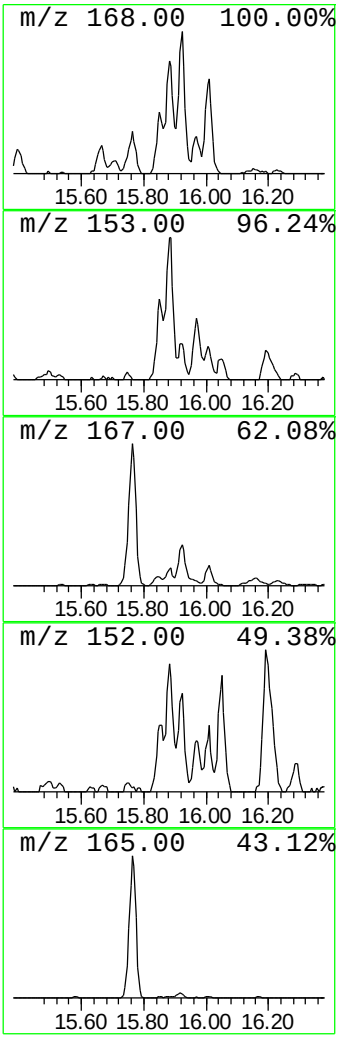
Peak Number 22 1-Isopropenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	8.46 ng/ul	105996	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	81
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	62
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	49





Library Search Compound Report

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Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
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Instrument : BNA_G
ClientSampleId : D9N64

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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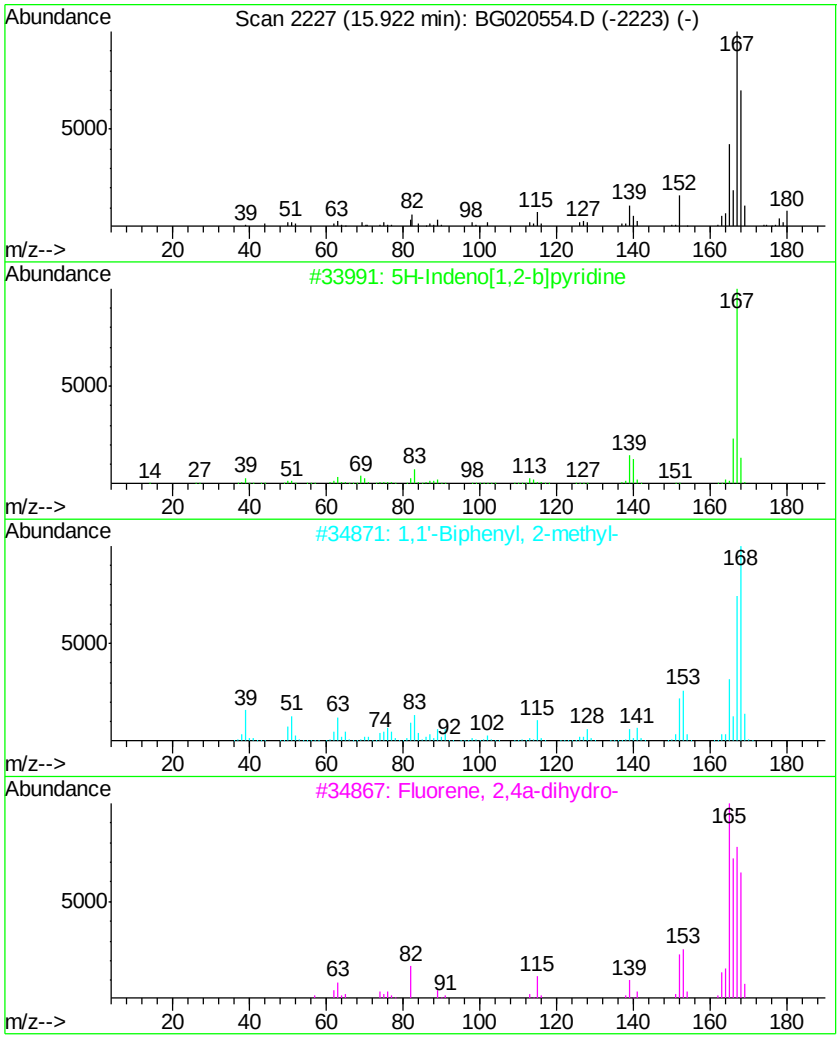
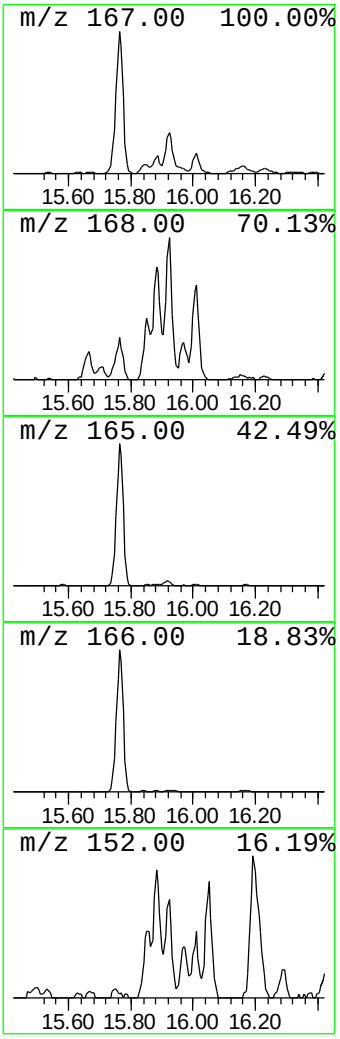
Peak Number 23 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	12.38 ng/ul	155158	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	43
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	42
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	42
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	41
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	38





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Acq On : 27 Dec 2015 13:58
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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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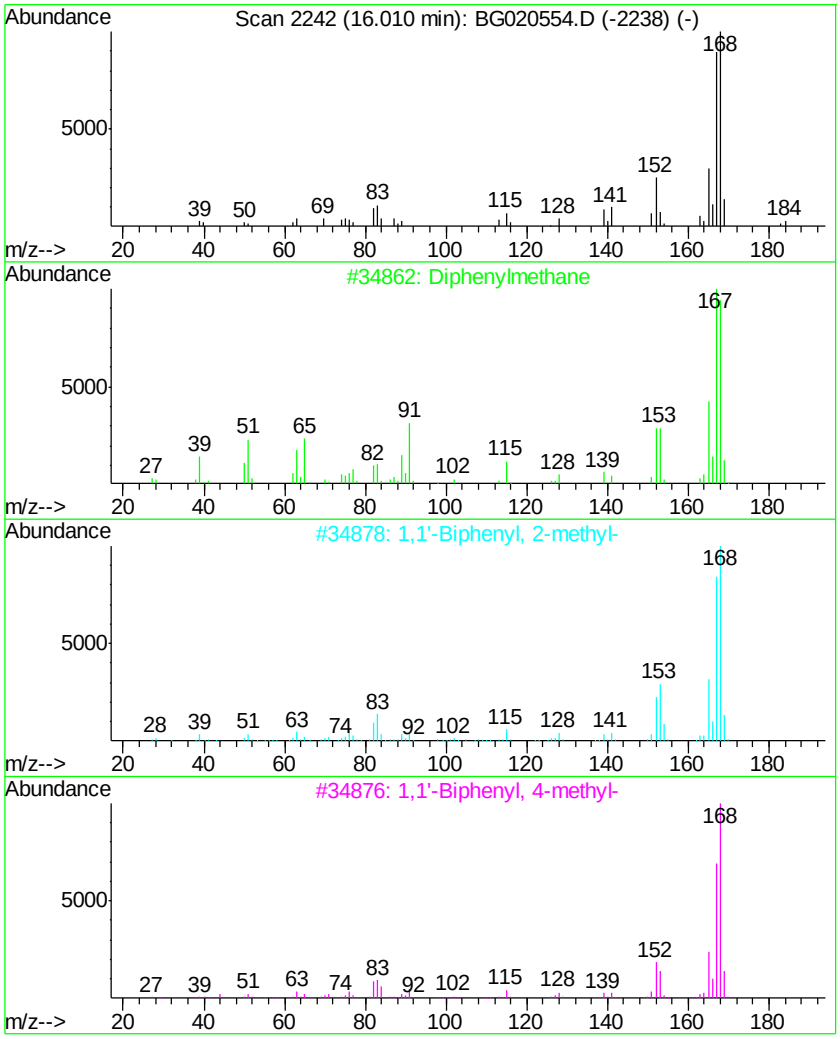
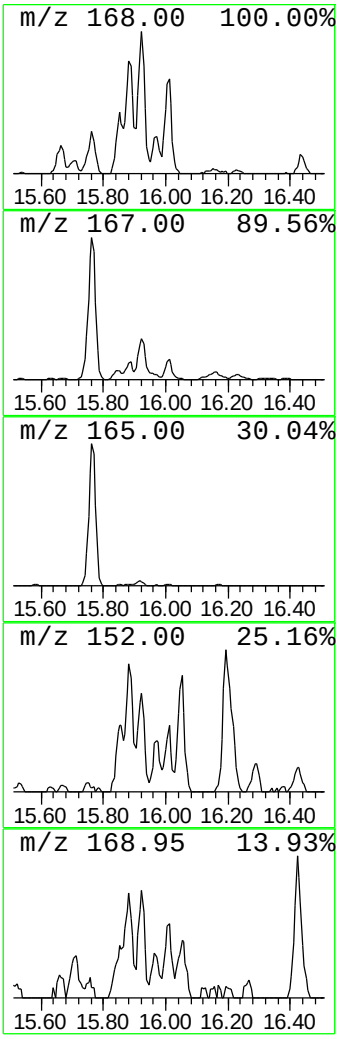
Peak Number 25 Diphenylmethane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	5.30 ng/ul	66484	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
4	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	78
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74





Library Search Compound Report

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Data File : BG020554.D
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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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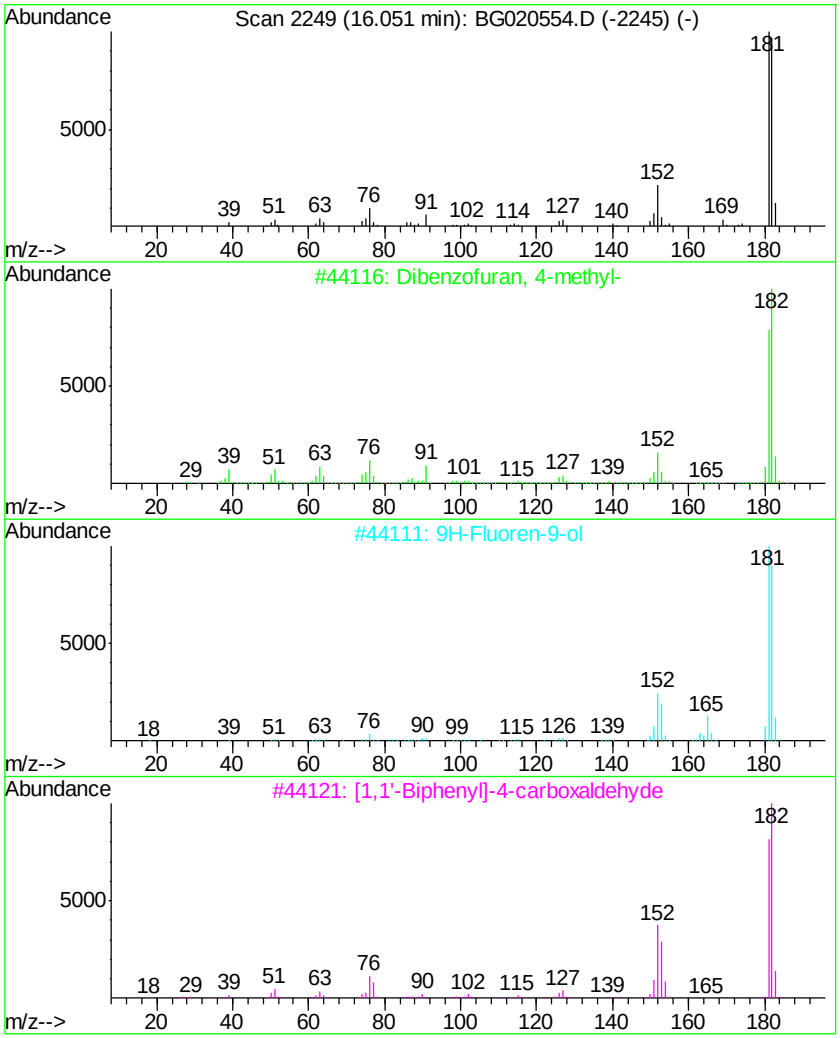
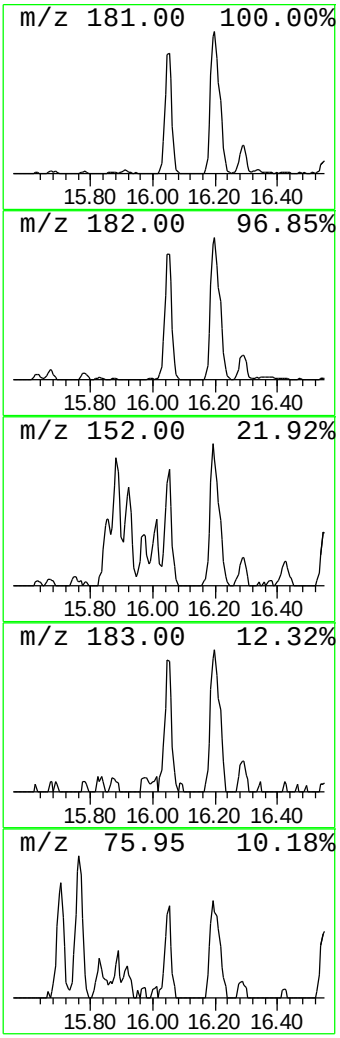
Peak Number 26 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	9.30 ng/ul	116594	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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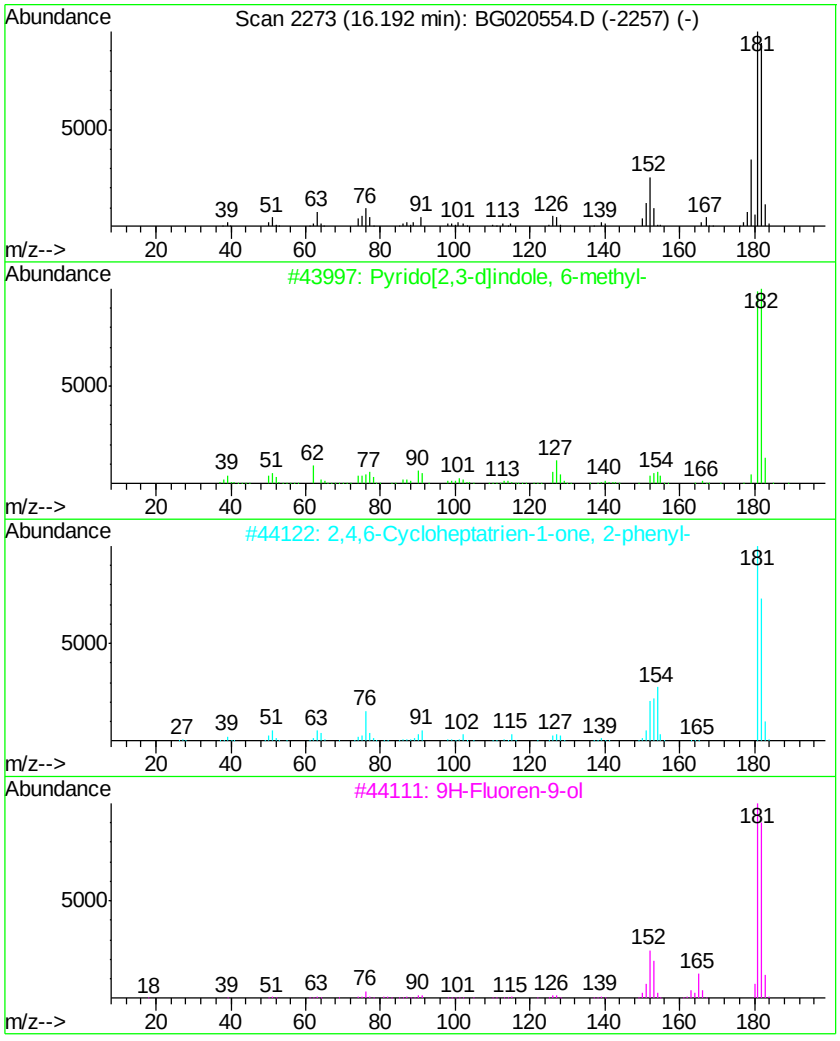
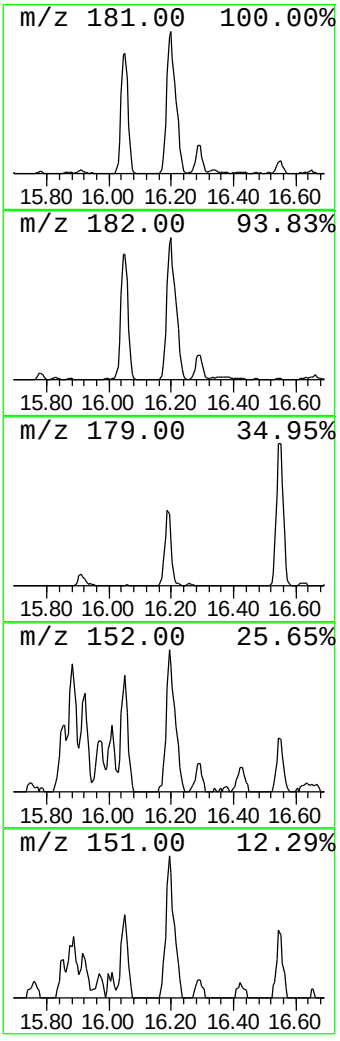
Peak Number 27 Pyrido[2,3-d]indole, 6-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	12.66 ng/ul	247922	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	59
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	58





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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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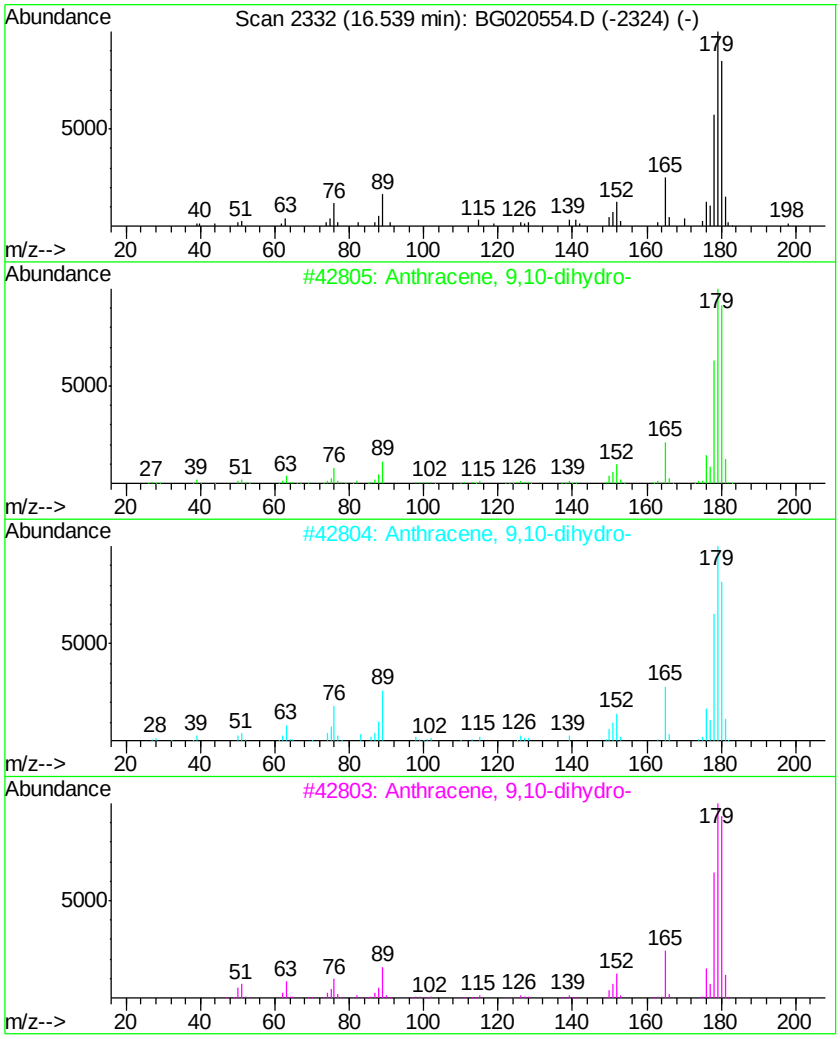
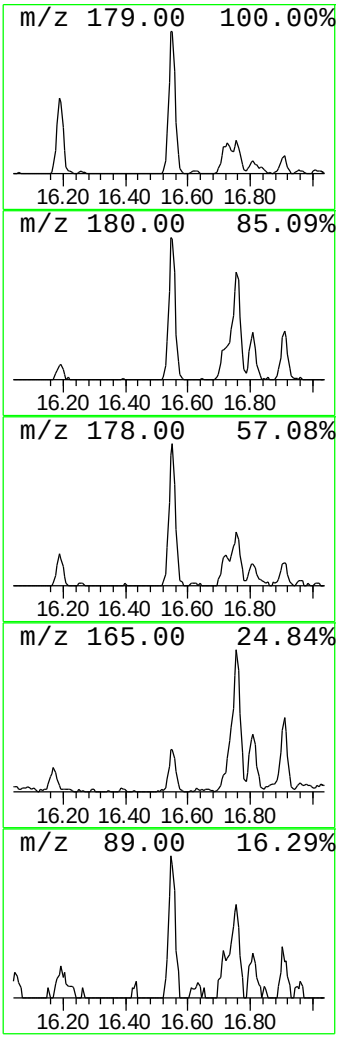
Peak Number 28 Anthracene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	5.69 ng/ul	111535	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	89





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Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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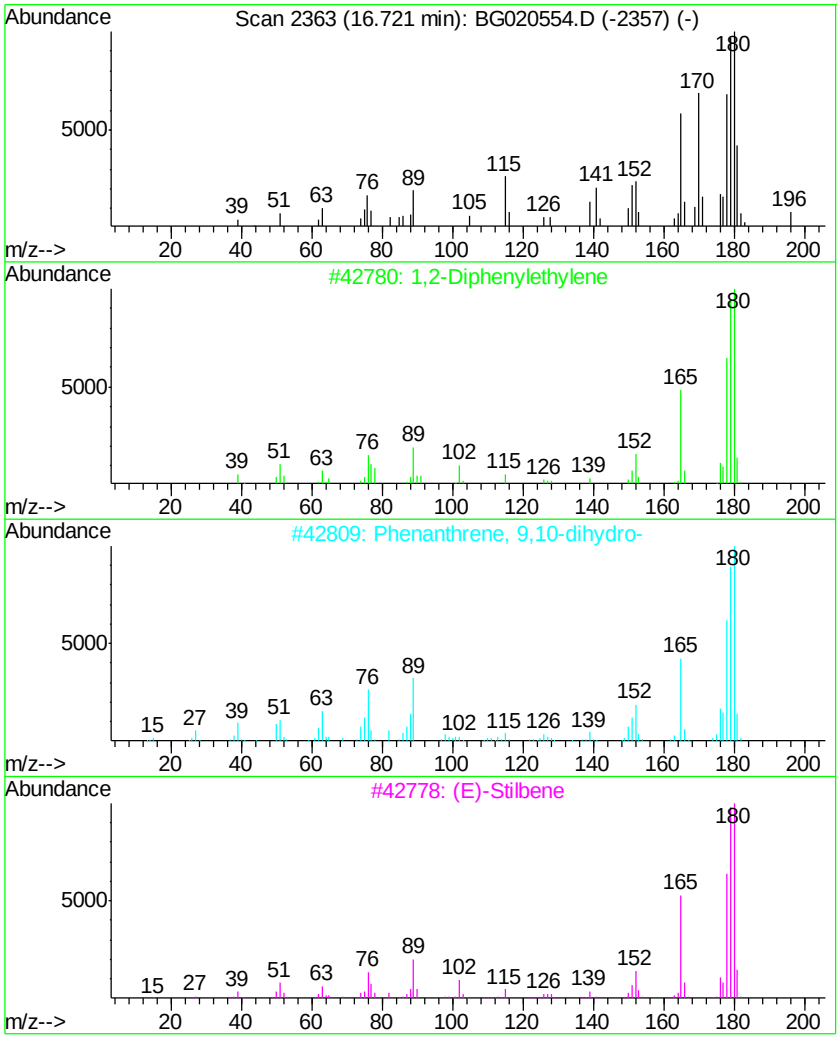
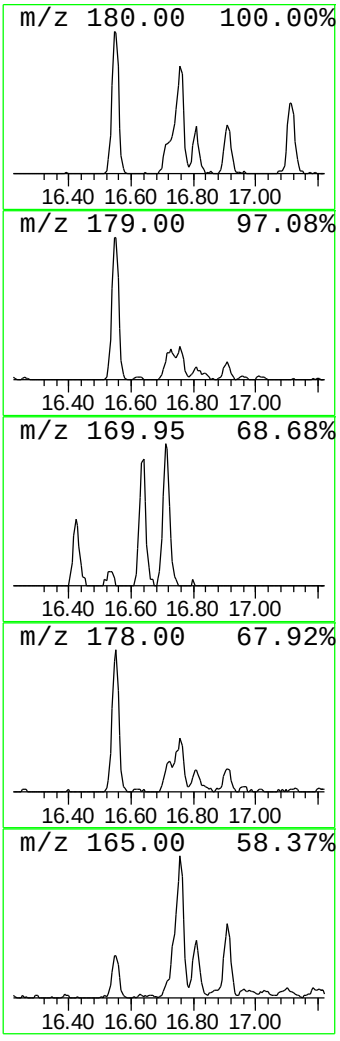
Peak Number 29 1,2-Diphenylethylene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.34 ng/ul	45740	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Diphenylethylene	180	C14H12	000588-59-0	91
2	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	90
3	(E)-Stilbene	180	C14H12	000103-30-0	60
4	cis-Stilbene	180	C14H12	000645-49-8	60
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	55





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Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

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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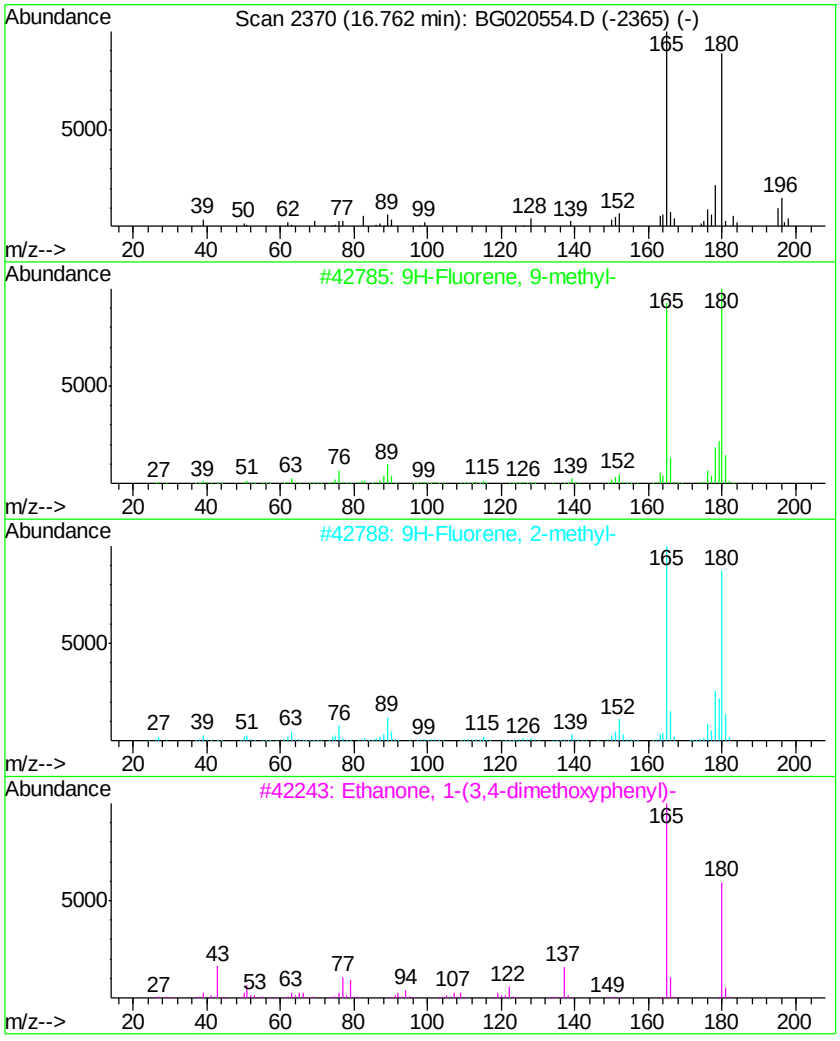
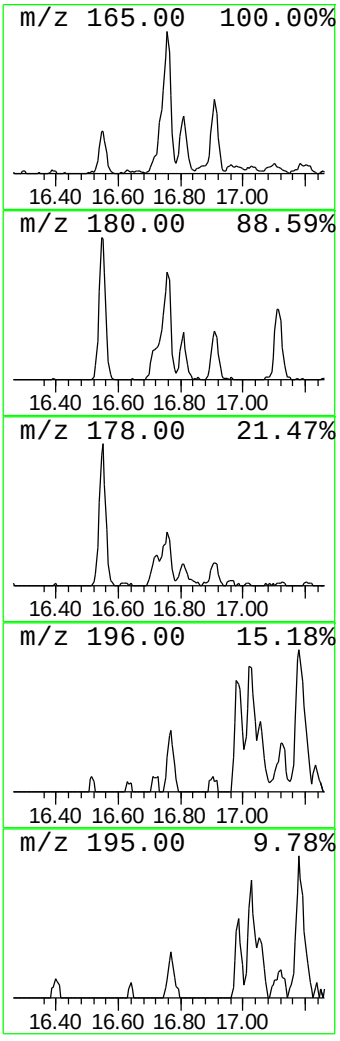
Peak Number 30 9H-Fluorene, 9-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.44 ng/ul	86898	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	72
3	Ethanone, 1-(3,4-dimethoxyphenyl)-	180	C10H12O3	001131-62-0	64
4	Ethanone, 1-(3,4-dimethoxyphenyl)-	180	C10H12O3	001131-62-0	64
5	Ethanone, 1-(2,5-dimethoxyphenyl)-	180	C10H12O3	001201-38-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020554.D
Acq On : 27 Dec 2015 13:58
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
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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	9.0	ng/ul	46913	1	8.08	103734	20.0
Indane	8.45	5.3	ng/ul	27548	1	8.08	103734	20.0
Benzene, 1-propynyl-	8.62	26.0	ng/ul	134961	1	8.08	103734	20.0
Benzofuran, 2-met...	9.56	2.4	ng/ul	19776	2	10.90	167140	20.0
3-Phenylbut-1-ene	10.29	3.0	ng/ul	24957	2	10.90	167140	20.0
unknown-01	10.31	2.5	ng/ul	21277	2	10.90	167140	20.0
2-Methylindene	10.38	3.9	ng/ul	32792	2	10.90	167140	20.0
2-Benzothiophene #	11.07	18.0	ng/ul	150651	2	10.90	167140	20.0
Benzene, 1-chloro...	11.72	3.0	ng/ul	24694	2	10.90	167140	20.0
Benzo[b]thiophene...	12.44	4.1	ng/ul	33955	2	10.90	167140	20.0
Benzo[b]thiophene...	12.66	5.7	ng/ul	47479	2	10.90	167140	20.0
Naphthalene, 1-me...	12.77	113.0	ng/ul	944089	2	10.90	167140	20.0
Naphthalene, 1-et...	13.74	9.7	ng/ul	121079	3	14.71	250707	20.0
Naphthalene, 2,3-...	14.03	18.7	ng/ul	234008	3	14.71	250707	20.0
Naphthalene, 1,3-...	14.30	2.0	ng/ul	25387	3	14.71	250707	20.0
2-Naphthalenecarb...	14.85	24.1	ng/ul	301852	3	14.71	250707	20.0
unknown-02	15.02	5.3	ng/ul	66320	3	14.71	250707	20.0
Vinyl trans-cinna...	15.19	5.0	ng/ul	62526	3	14.71	250707	20.0
Naphthalene, 1,6,...	15.32	2.2	ng/ul	27272	3	14.71	250707	20.0
1-Isopropenylnaph...	15.88	8.5	ng/ul	105996	3	14.71	250707	20.0
unknown-03	15.92	12.4	ng/ul	155158	3	14.71	250707	20.0
Diphenylmethane	16.01	5.3	ng/ul	66484	3	14.71	250707	20.0
Dibenzofuran, 4-m...	16.05	9.3	ng/ul	116594	3	14.71	250707	20.0
Pyrido[2,3-d]indo...	16.19	12.7	ng/ul	247922	4	17.46	391763	20.0
Anthracene, 9,10-...	16.54	5.7	ng/ul	111535	4	17.46	391763	20.0
1,2-Diphenylethylene	16.72	2.3	ng/ul	45740	4	17.46	391763	20.0
9H-Fluorene, 9-me...	16.76	4.4	ng/ul	86898	4	17.46	391763	20.0