LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

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-BG100415.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	3.147	47	52	60	rBV	57028	101705	12.12%	1.088%
2	3.218	60	64	77	rVB	134826	190684	22.71%	2.040%
3	7.195	734	741	751	rVB	23023	39534	4.71%	0.423%
4	7.360	762	769	777	rBV	60459	99448	11.85%	1.064%
5	7.566	798	804	813	rVB	67154	114143	13.60%	1.221%
6	8.036	878	884	891	rVB	72365	117519	14.00%	1.257%
7	8.341	929	936	942	rVB3	6270	10853	1.29%	0.116%
8	8.682	988	994	998	rBV2	12038	18702	2.23%	0.200%
9	8.735	998	1003	1012	rVB	63178	107198	12.77%	1.147%
10	9.005	1044	1049	1055	rBV3	5588	8450	1.01%	0.090%
11	9.105	1062	1066	1070	rVV4	8561	15146	1.80%	0.162%
12	9.134	1070	1071	1075	rVV4	7933	10297	1.23%	0.110%
13	9.193	1075	1081	1088	rVB	85595	152109	18.12%	1.627%
14	9.305	1094	1100	1106	rBV5	5334	8818	1.05%	0.094%
15	9.358	1106	1109	1112	rVV3	4232	6543	0.78%	0.070%
16	9.399	1112	1116	1120	rVV4	4493	7542	0.90%	0.081%
17	9.457	1120	1126	1131	rVV2	26449	45155	5.38%	0.483%
18	9.510	1131	1135	1142	rVV3	4128	9633	1.15%	0.103%
19	9.581	1142	1147	1152	rVV2	12419	23184	2.76%	0.248%
20	9.916	1197	1204	1210	rBV	75055	137829	16.42%	1.474%
21	10.127	1235	1240	1245	rVB3	6830	11867	1.41%	0.127%
22	10.315	1266	1272	1274	rBV3	4633	8135	0.97%	0.087%
23	10.456	1289	1296	1305	rBV	110366	195252	23.26%	2.089%
24	10.662	1326	1331	1337	rBV2	15906	31783	3.79%	0.340%
25	10.838	1351	1361	1369	rBV	112005	203812	24.28%	2.180%
26	10.985	1379	1386	1395	rVB2	22891	42200	5.03%	0.451%
27	11.108	1404	1407	1415	rVB4	4986	7991	0.95%	0.085%
28	11.191	1415	1421	1427	rBV4	6447	13363	1.59%	0.143%
29	11.373	1446	1452	1457	rBV2	21791	41647	4.96%	0.446%
30	11.426	1457	1461	1467	rVB	31483	50979	6.07%	0.545%
31	11.667	1496	1502	1506	rBV	35608	55321	6.59%	0.592%
32	11.714	1506	1510	1514	rVV3	14179	23055	2.75%	0.247%
33	11.761	1514	1518	1521	rVV5	4320	7326	0.87%	0.078%
34	11.913	1537	1544	1546	rBV4	6635	12553	1.50%	0.134%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

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-BG100415.M
Title : SVOA CALIBRATION

35	11.949	1546	1550	1558	rVB	17694	29284	3.49%	0.313%
36	12.031	1558	1564	1569	rBV6	4226	8232	0.98%	0.088%
37	12.242	1594	1600	1605	rVB2	6629	11126	1.33%	0.119%
38	12.524	1643	1648	1654	rBV	51247	83877	9.99%	0.897%
39	12.589	1654	1659	1668	rVB6	15259	29875	3.56%	0.320%
40	12.671	1668	1673	1675	rBV4	5517	8015	0.95%	0.086%
41	12.701	1676	1678	1687	rVB5	10676	17496	2.08%	0.187%
42	12.812	1693	1697	1701	rBV2	18915	28401	3.38%	0.304%
43	12.859	1701	1705	1711	rVV5	12540	22181	2.64%	0.237%
44	12.924	1713	1716	1725	rVB4	14247	27070	3.22%	0.290%
45	13.018	1725	1732	1737	rBV5	47783	92711	11.04%	0.992%
46	13.071	1737	1741	1747	rVV5	35698	71473	8.51%	0.765%
47	13.124	1747	1750	1756	rVB3	9596	14092	1.68%	0.151%
48	13.265	1766	1774	1780	rVB8	5512	12931	1.54%	0.138%
49	13.406	1794	1798	1802	rVB4	10956	14436	1.72%	0.154%
50	13.459	1802	1807	1813	rBV4	10937	20609	2.45%	0.220%
51	13.535	1813	1820	1824	rBV9	10866	22972	2.74%	0.246%
52	13.629	1832	1836	1843	rVB2	26148	45974	5.48%	0.492%
53	13.794	1858	1864	1867	rBV3	20915	39382	4.69%	0.421%
54	13.835	1867	1871	1878	rVB6	19964	38608	4.60%	0.413%
55	13.929	1883	1887	1890	rVV5	12877	17928	2.14%	0.192%
56	14.005	1894	1900	1902	rVV5	13406	26261	3.13%	0.281%
57	14.070	1905	1911	1915	rVV	237336	361437	43.05%	3.866%
58	14.111	1915	1918	1921	rVV	22857	30134	3.59%	0.322%
59	14.158	1921	1926	1936	rVB6	37845	78997	9.41%	0.845%
60	14.240	1936	1940	1945	rBV5	10004	20963	2.50%	0.224%
61	14.358	1954	1960	1966	rBV	248472	385901	45.97%	4.128%
62	14.522	1984	1988	1991	rBV4	7200	12809	1.53%	0.137%
63	14.663	2006	2012	2020	rBV3	203778	343964	40.97%	3.680%
64	14.734	2020	2024	2028	rVB	18392	23412	2.79%	0.250%
65	14.851	2035	2044	2050	rVB4	51038	102292	12.18%	1.094%
66	14.957	2058	2062	2065	rBV3	7947	12997	1.55%	0.139%
67	15.439	2140	2144	2149	rBV7	7796	15130	1.80%	0.162%
68	15.539	2159	2161	2166	rVB5	5566	7472	0.89%	0.080%
69	15.597	2166	2171	2174	rBV5	5572	13005	1.55%	0.139%
70	15.656	2175	2181	2188	rVB	357782	528707	62.98%	5.656%
71	15.762	2194	2199	2206	rVB	141273	206364	24.58%	2.208%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

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-BG100415.M
Title : SVOA CALIBRATION

72	15.862	2212	2216	2220	rBV	31908	42705	5.09%	0.457%
73	15.903	2220	2223	2228	rVB6	9898	13760	1.64%	0.147%
74	15.956	2228	2232	2239	rBV	84132	112516	13.40%	1.204%
75	16.085	2248	2254	2257	rBV4	12569	23210	2.76%	0.248%
76	16.326	2291	2295	2298	rVB6	6235	8829	1.05%	0.094%
77	16.631	2344	2347	2351	rBV4	3432	6591	0.79%	0.071%
78	16.702	2354	2359	2365	rVV8	11296	21369	2.55%	0.229%
79	16.955	2398	2402	2404	rBV5	4364	7064	0.84%	0.076%
80	17.066	2418	2421	2423	rBV4	6670	7020	0.84%	0.075%
81	17.137	2429	2433	2436	rBV4	5470	8535	1.02%	0.091%
82	17.319	2461	2464	2469	rVB7	5637	8235	0.98%	0.088%
83	17.407	2473	2479	2486	rVV2	284479	434911	51.81%	4.652%
84	17.507	2490	2496	2503	rVB	428517	649893	77.41%	6.952%
85	17.601	2508	2512	2518	rVB6	9104	16353	1.95%	0.175%
86	17.783	2539	2543	2547	rVV	34027	40627	4.84%	0.435%
87	17.912	2561	2565	2568	rVB7	4966	7154	0.85%	0.077%
88	18.306	2627	2632	2638	rBV	44158	71139	8.47%	0.761%
89	19.375	2809	2814	2816	rBV5	4280	7254	0.86%	0.078%
90	19.428	2818	2823	2827	rBV2	8179	14040	1.67%	0.150%
91	19.575	2844	2848	2854	rVV4	15632	23620	2.81%	0.253%
92	19.687	2863	2867	2870	rBV2	5060	7072	0.84%	0.076%
93	19.792	2879	2885	2891	rBV	575702	839493	100.00%	8.980%
94	21.326	3143	3146	3154	rVB	28613	41136	4.90%	0.440%
95	21.684	3200	3207	3214	rBV	367779	588358	70.08%	6.294%
96	23.400	3495	3499	3505	rVB4	21860	40462	4.82%	0.433%
97	24.475	3676	3682	3690	rVB3	29748	69655	8.30%	0.745%
98	24.698	3710	3720	3732	rVB2	298305	825274	98.31%	8.828%
99	24.916	3748	3757	3766	rBV2	183460	528972	63.01%	5.659%
100	25.809	3902	3909	3920	rVB4	43006	126433	15.06%	1.353%

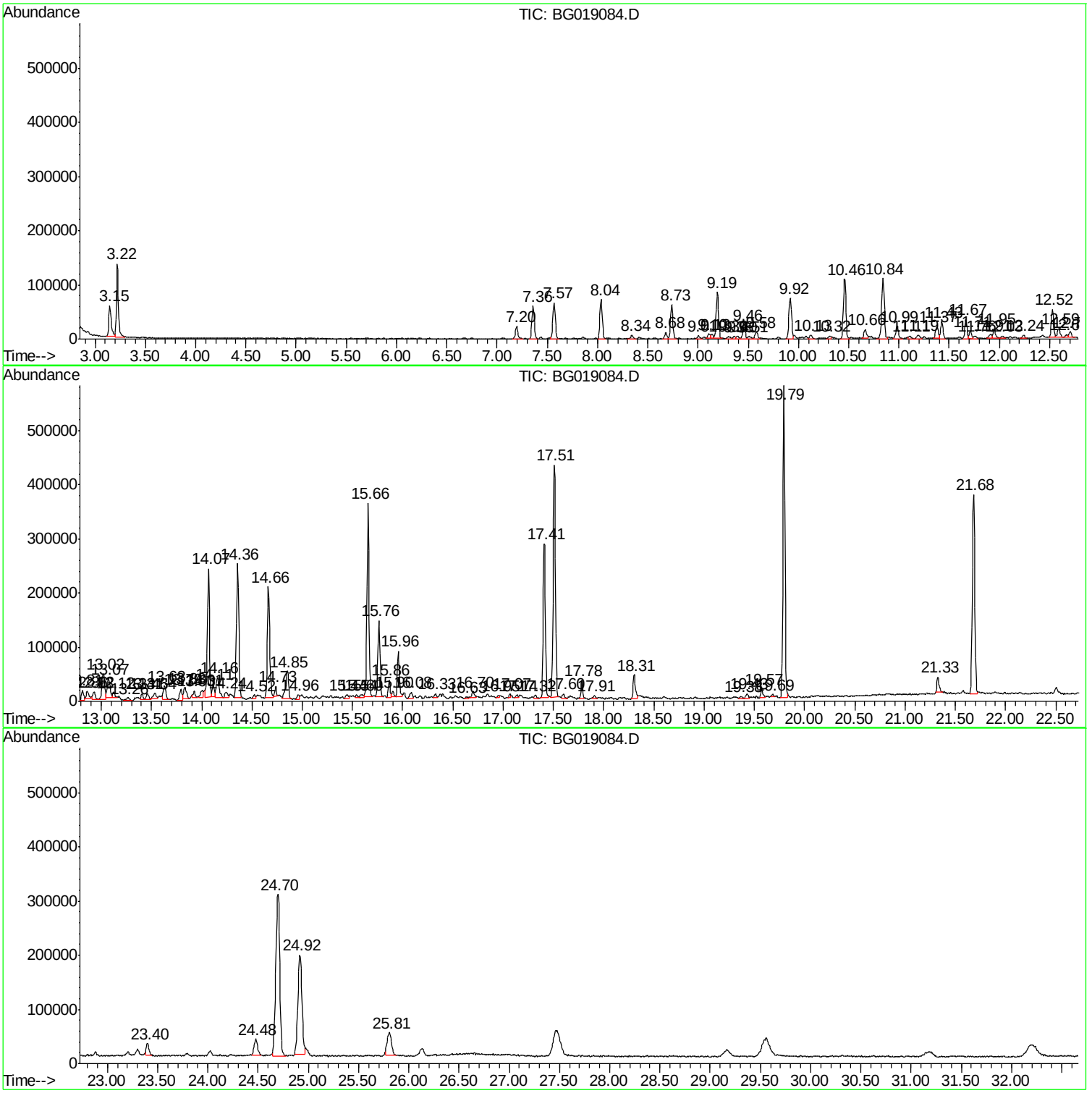
Sum of corrected areas: 9347974

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.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\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

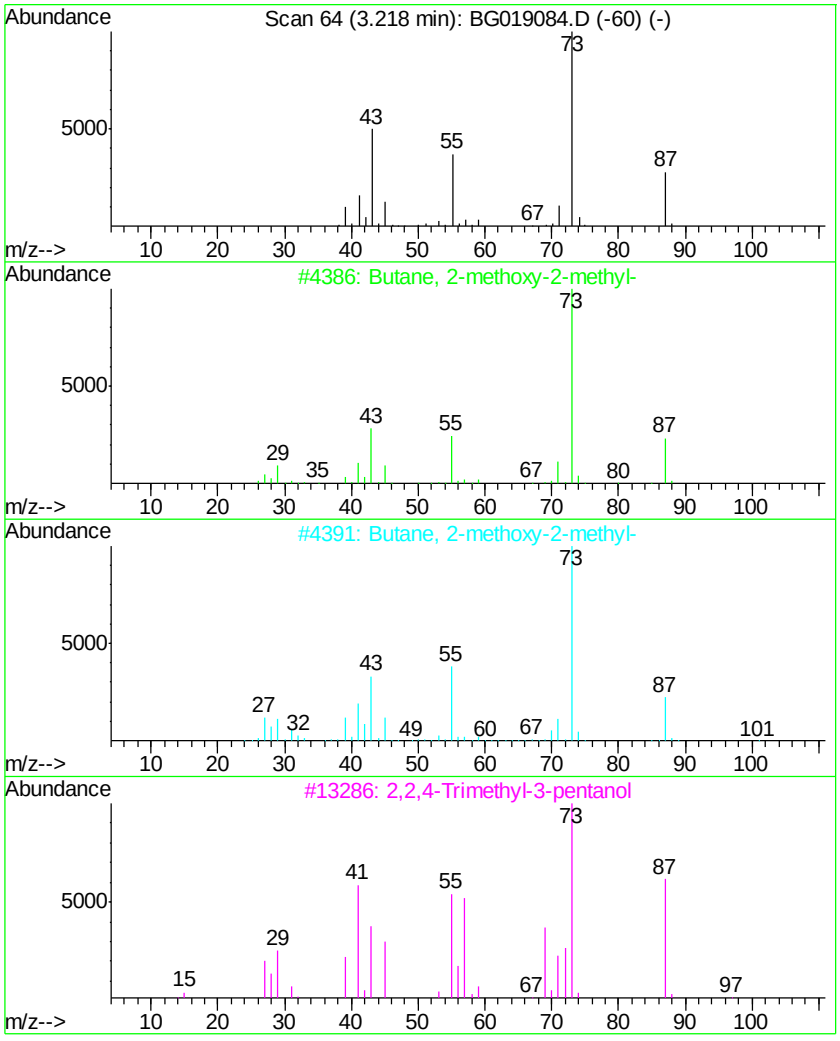
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

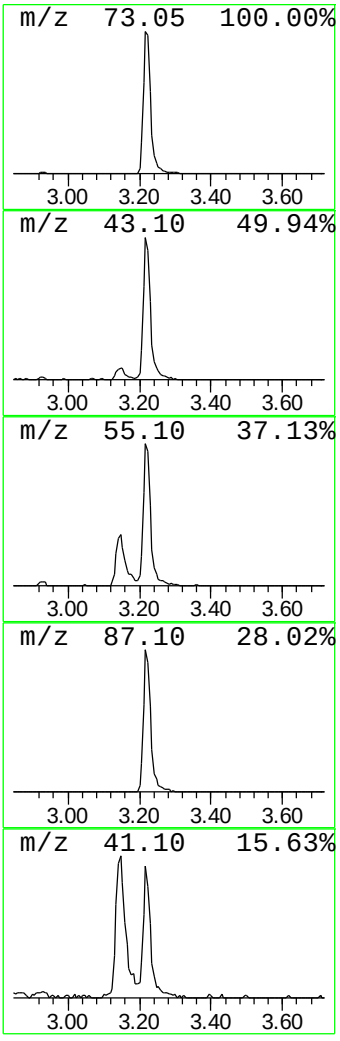
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	32.45 ng/ul	190684	1,4-Dichlorobenzene-d4	8.04

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	50
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

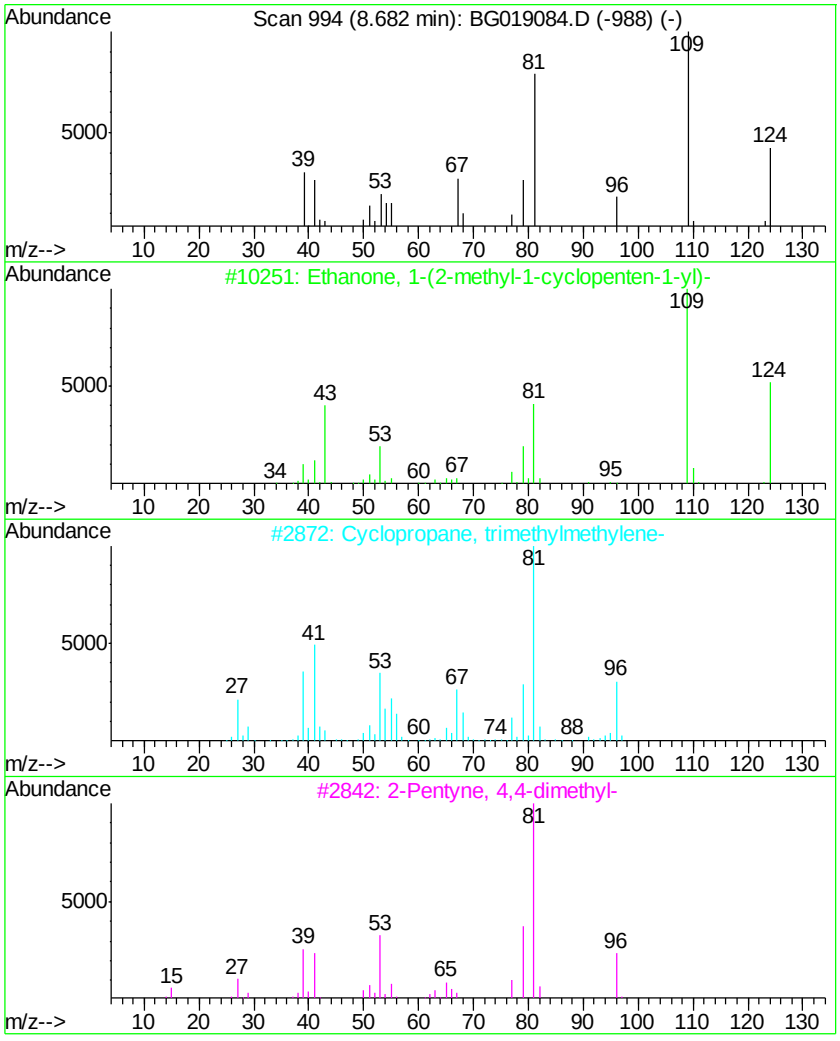
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

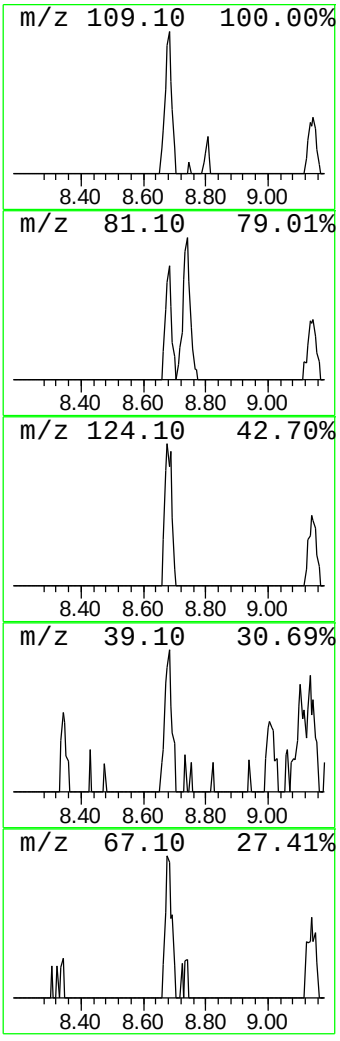
****

Peak Number 3 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	3.18 ng/ul	18702	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	47
2	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	46
3	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	38
4	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	38
5	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

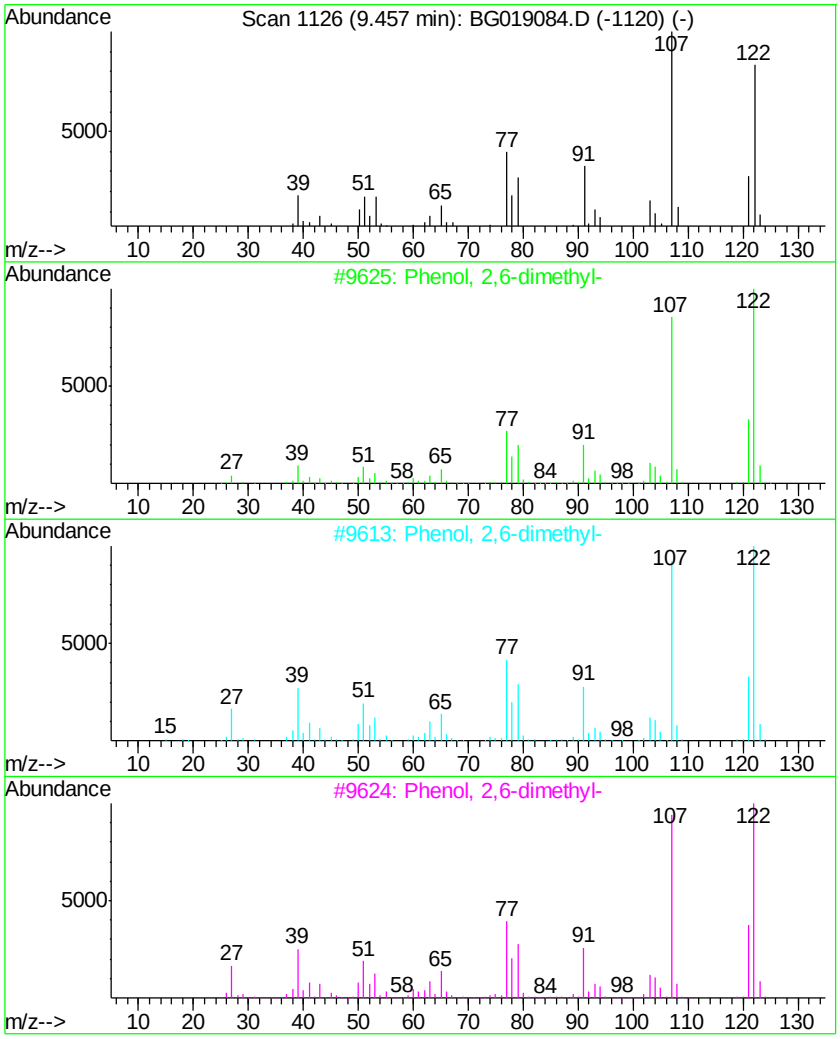
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

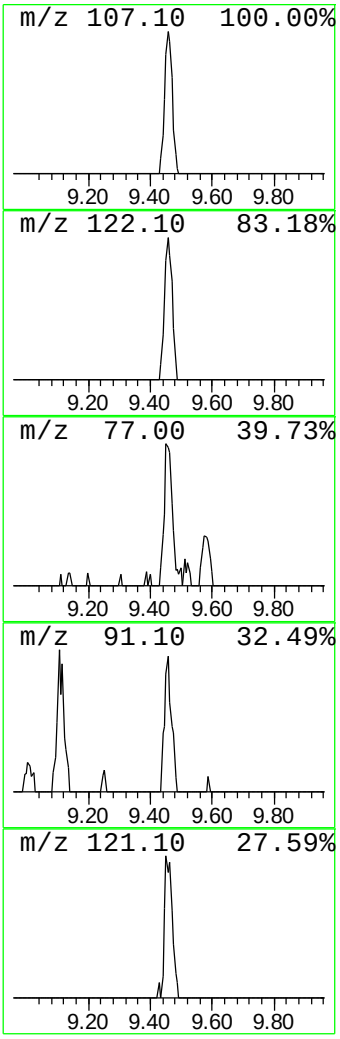
****

Peak Number 5 Phenol, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	4.43 ng/ul	45155	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
4	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	96
5	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

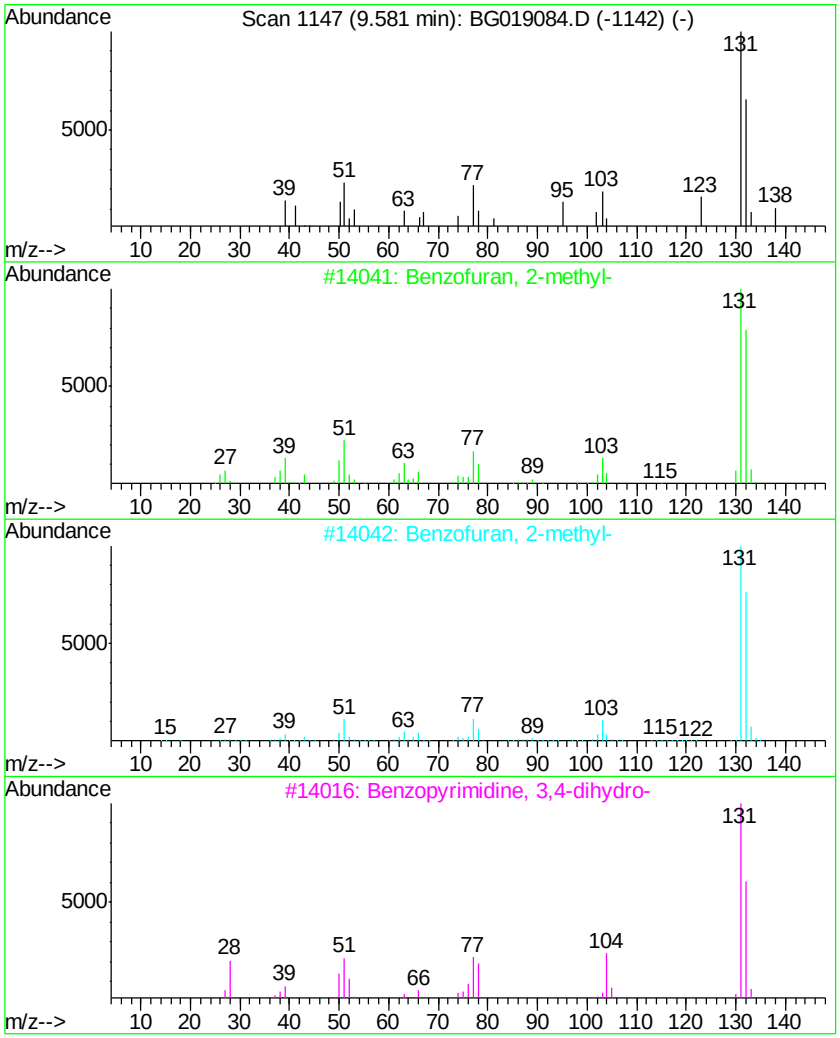
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

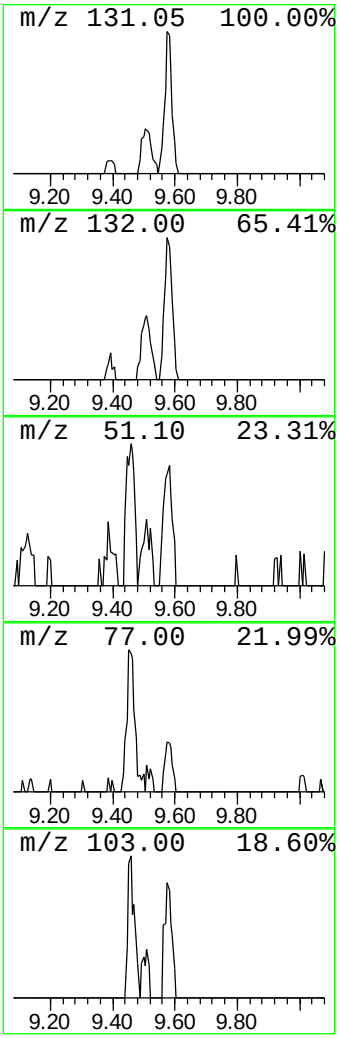
****

Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	2.28 ng/ul	23184	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	81
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	74
3	Benzopyrimidine, 3,4-dihydro-	132	C8H8N2	001904-64-9	72
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	64
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

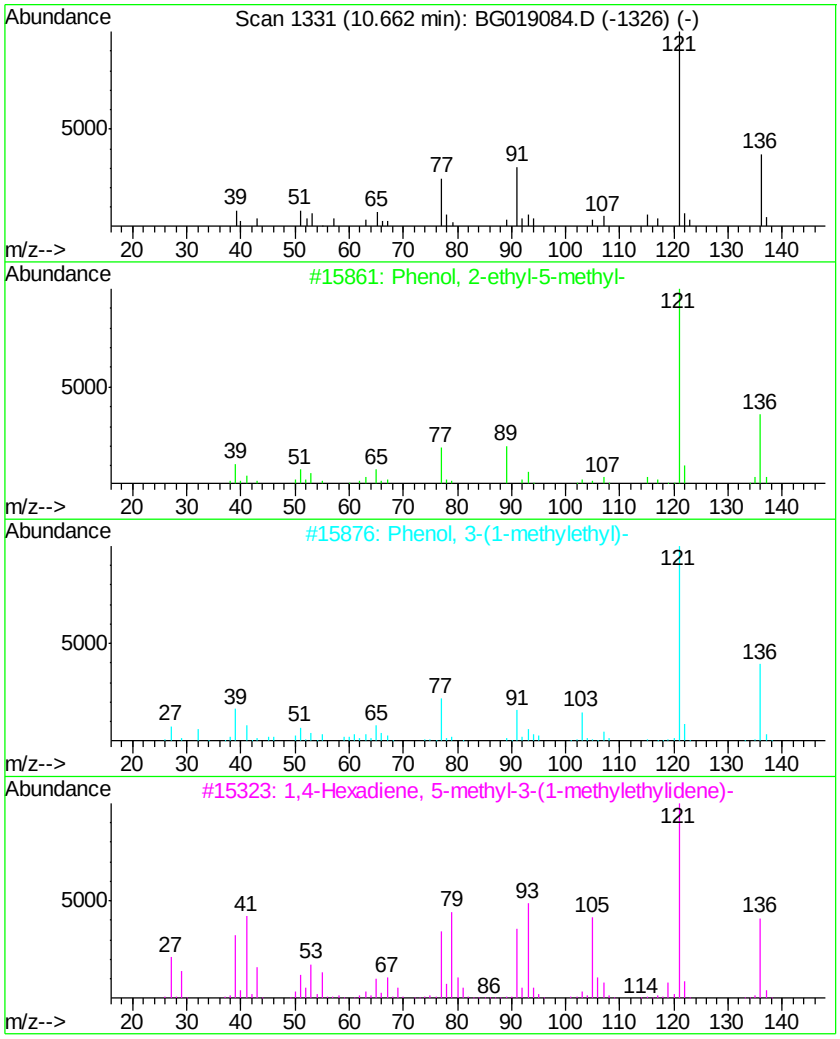
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

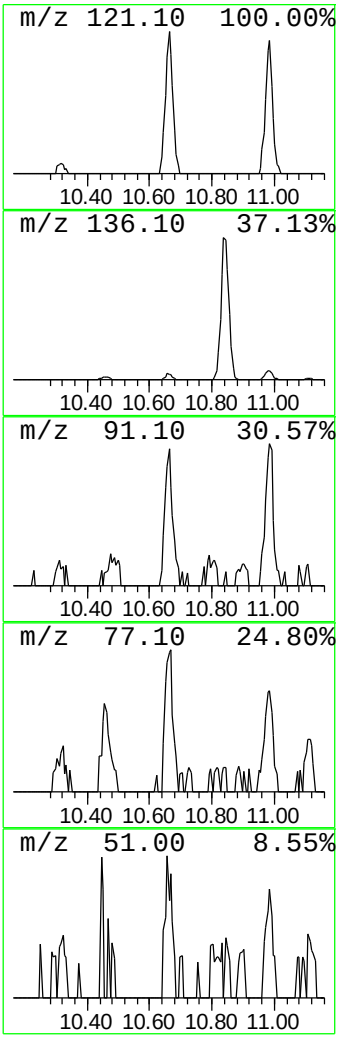
****

Peak Number 7 Phenol, 2-ethyl-5-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	3.12 ng/ul	31783	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	87
2	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	86
3	1,4-Hexadiene, 5-methyl-3-(1-met...	136	C10H16	113687-24-4	86
4	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	83
5	2,4,6-Octatriene, 2,6-dimethyl-,...	136	C10H16	007216-56-0	80





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Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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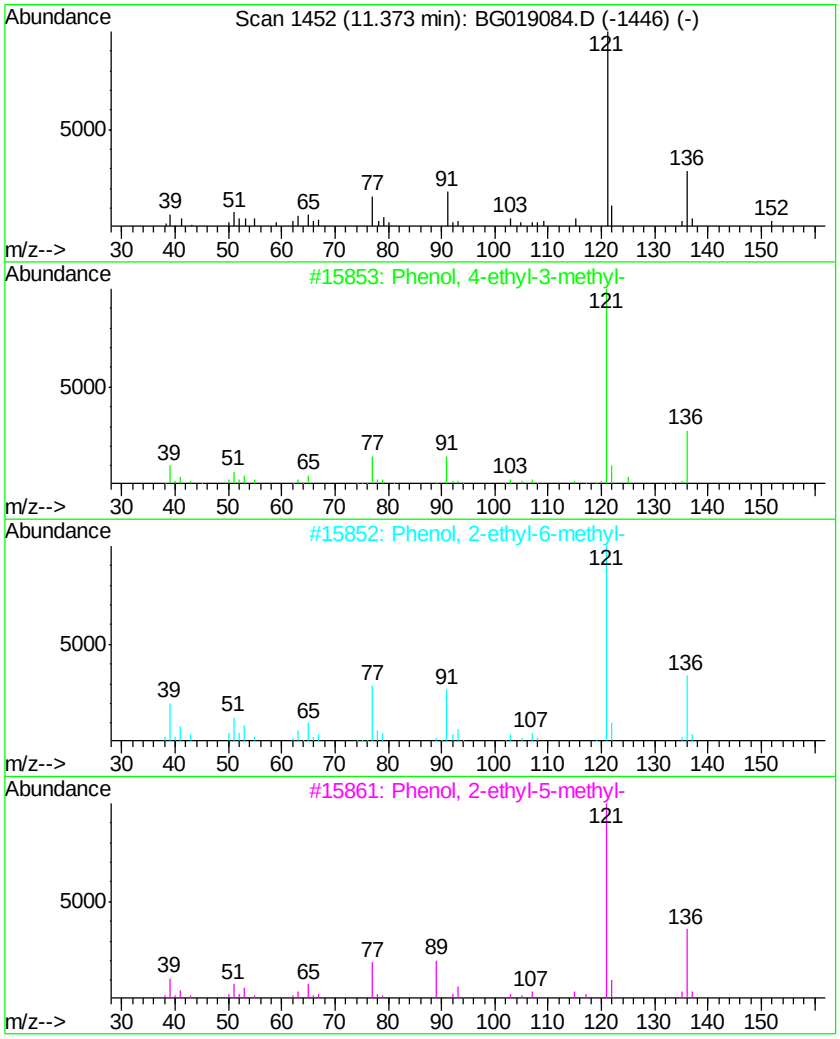
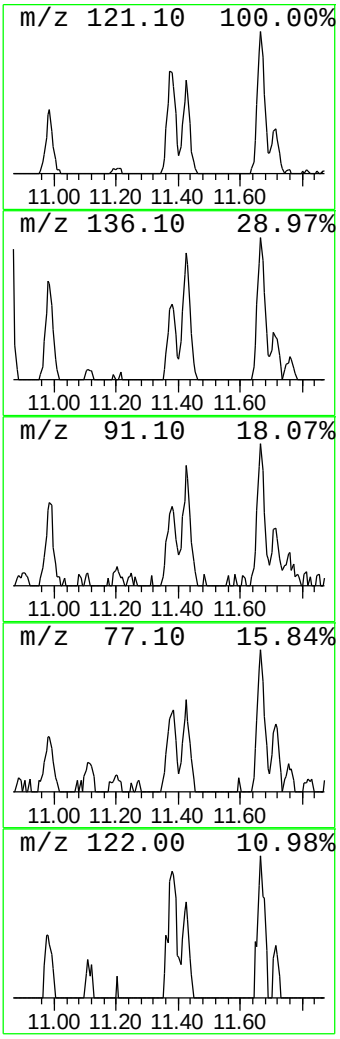
Peak Number 8 Phenol, 4-ethyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	4.09 ng/ul	41647	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-3-methyl-	136	C9H12O	001123-94-0	93
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	87
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	87
4	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	86
5	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	83





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Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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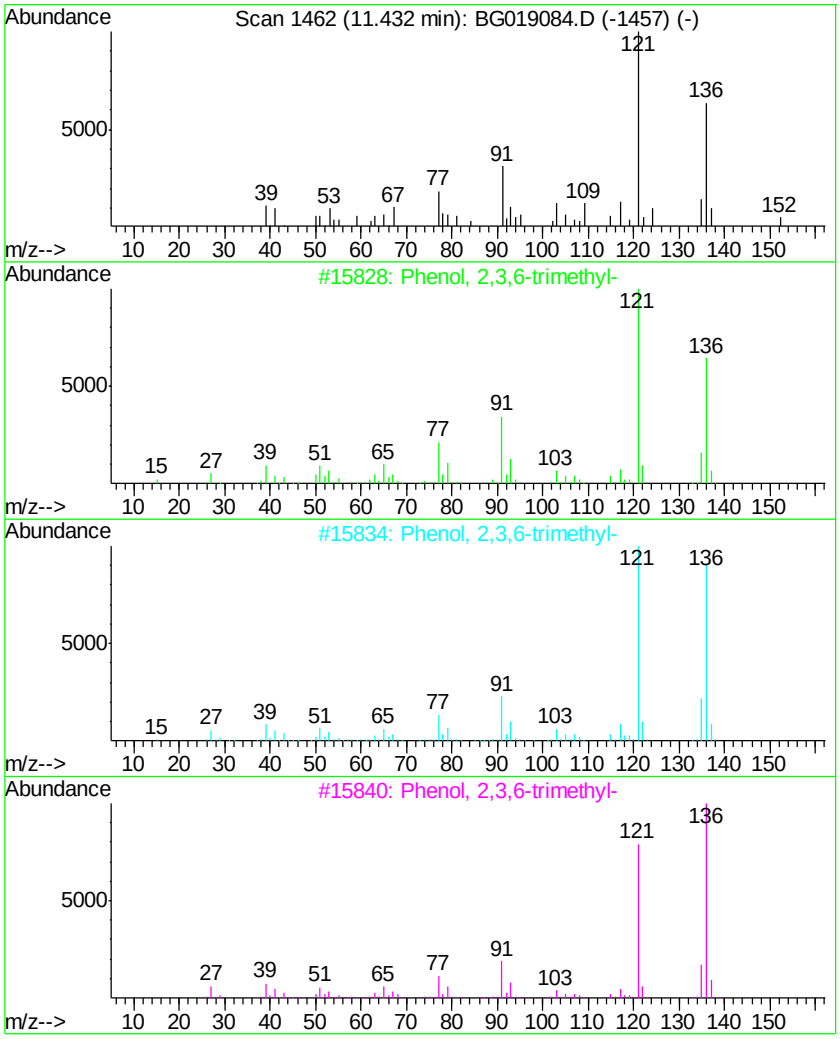
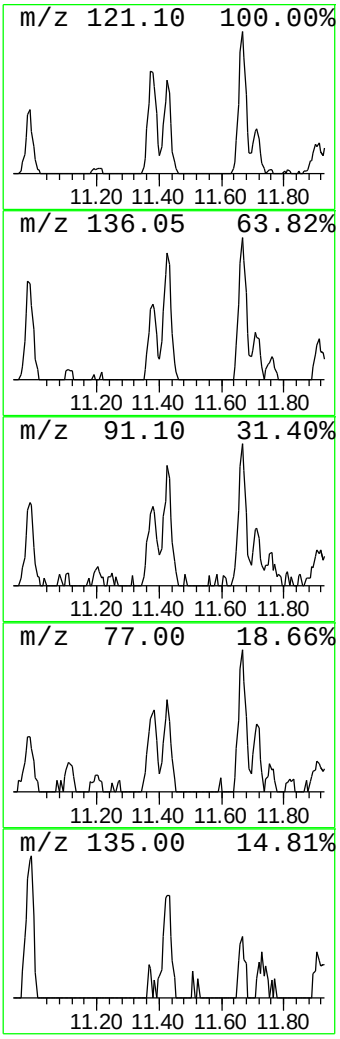
Peak Number 9 Phenol, 2,3,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	5.00 ng/ul	50979	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95
2	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	87
3	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	87
4	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	87
5	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	81





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Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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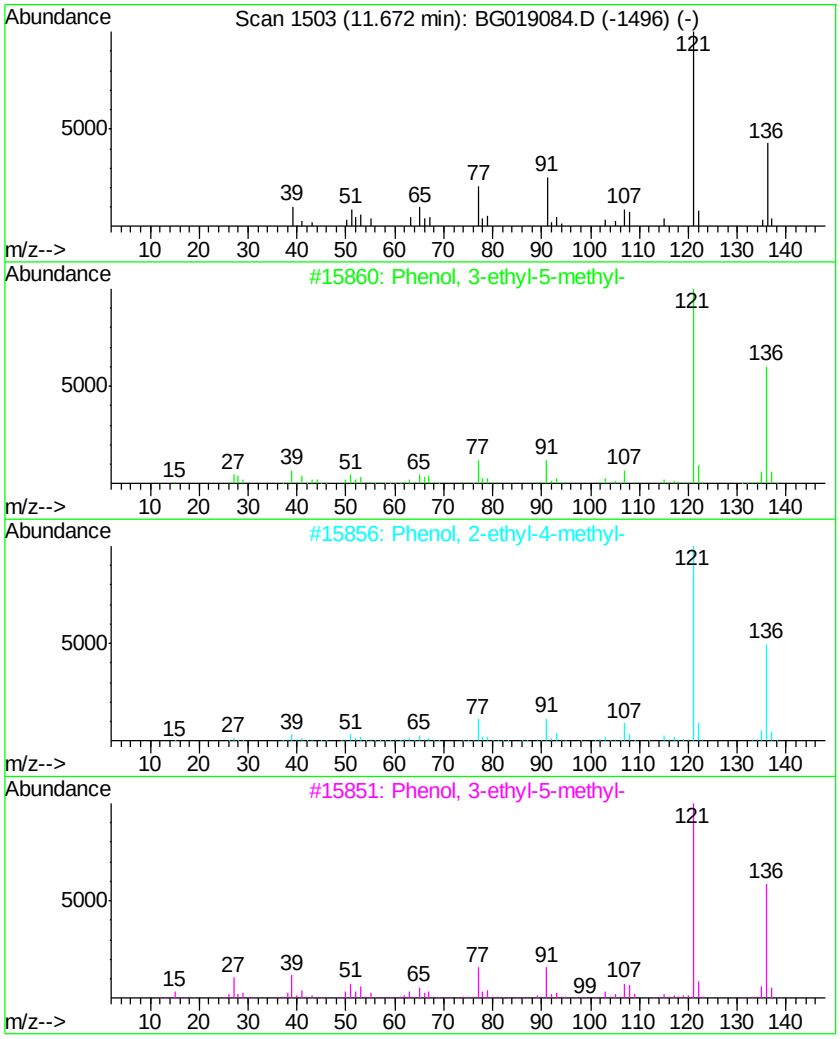
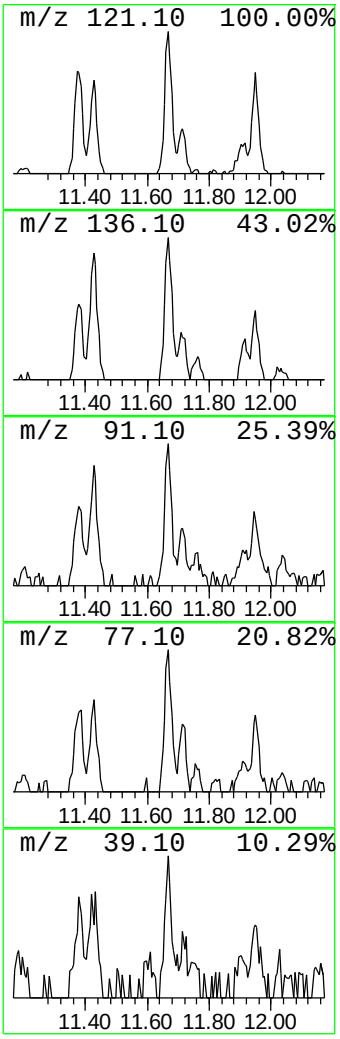
Peak Number 10 Phenol, 3-ethyl-5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	5.43 ng/ul	55321	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	91
2	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	91
3	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	91
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	90
5	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	87





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Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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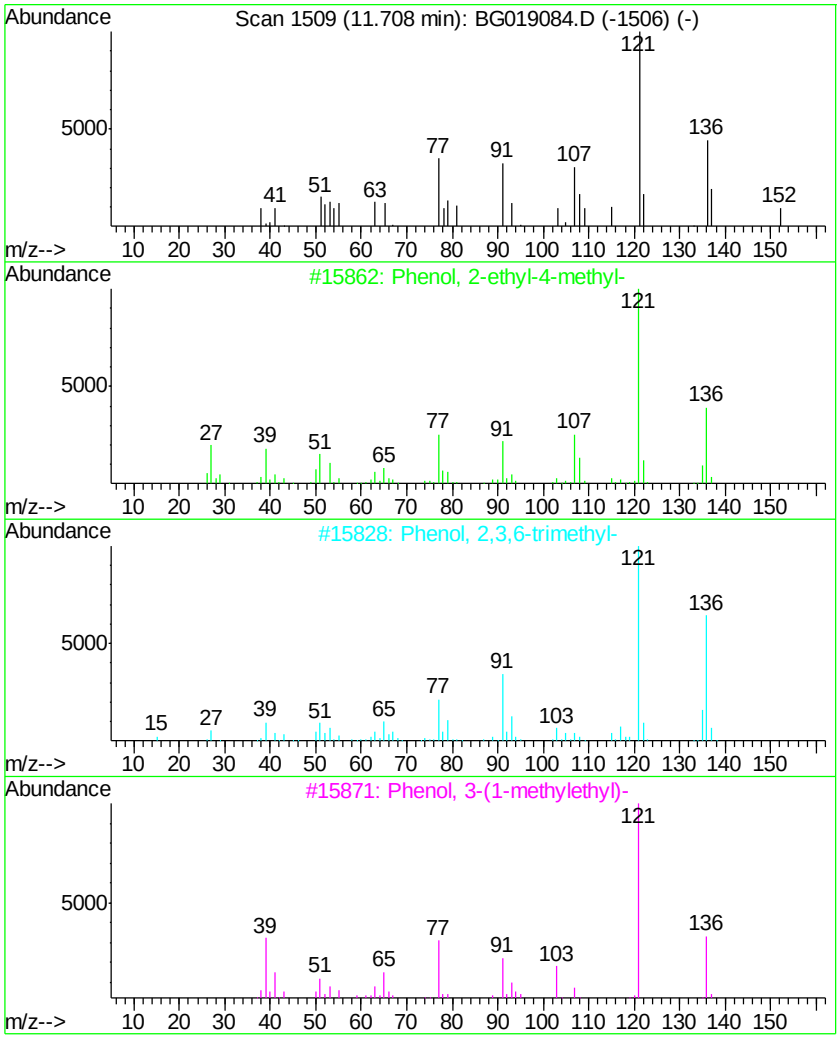
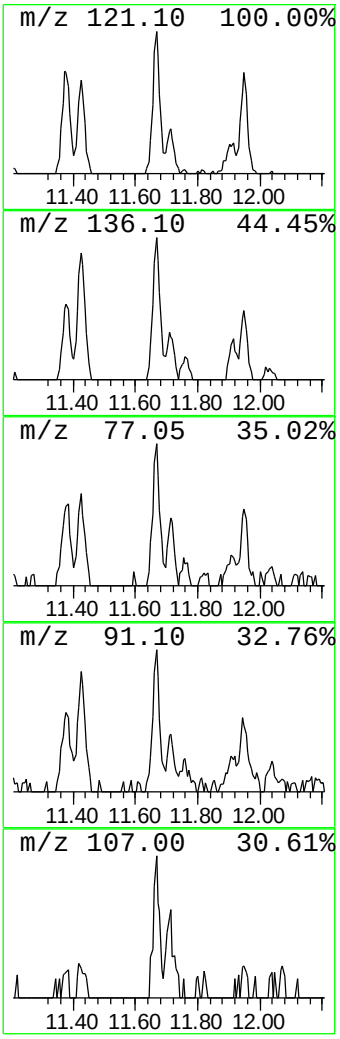
Peak Number 11 Phenol, 2-ethyl-4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	2.26 ng/ul	23055	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	72
2	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	59
3	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	58
4	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	53
5	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	53





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Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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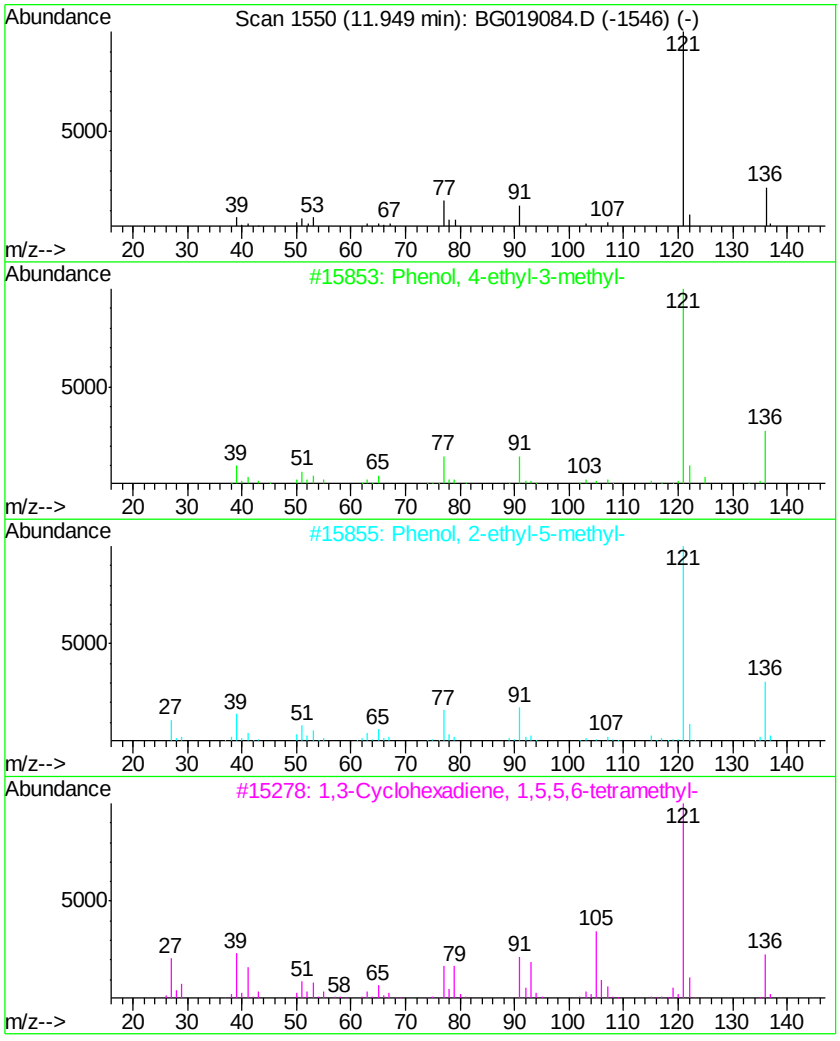
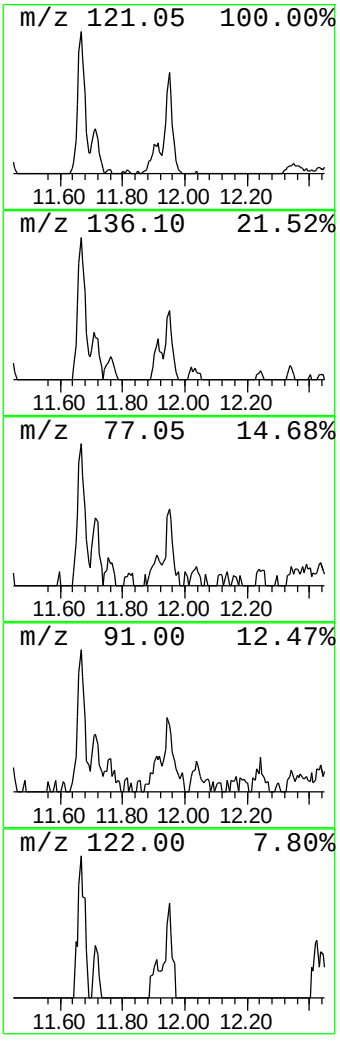
Peak Number 12 1,3-Cyclohexadiene, 1,5,5,6... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.87 ng/ul	29284	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-3-methyl-	136	C9H12O	001123-94-0	90
2	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	86
3	1,3-Cyclohexadiene, 1,5,5,6-tetr...	136	C10H16	000514-94-3	80
4	1,3-Cyclohexadiene, 1,2,6,6-tetr...	136	C10H16	000514-96-5	78
5	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	78





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Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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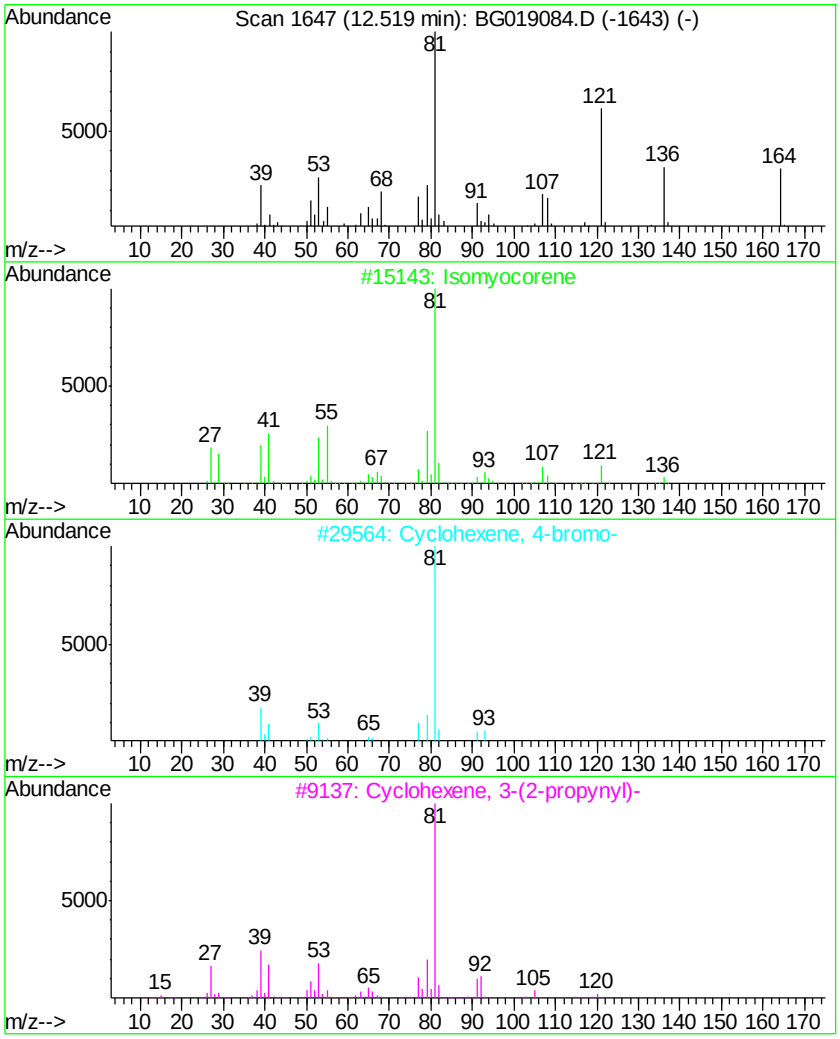
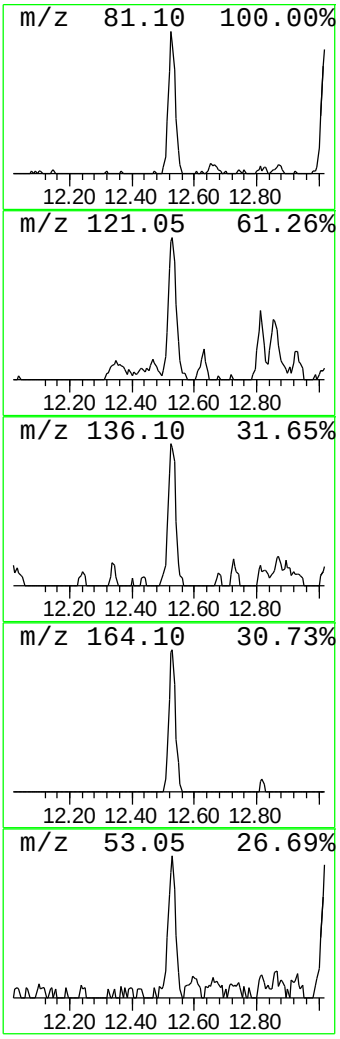
Peak Number 13 Isomyocorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	8.23 ng/ul	83877	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isomyocorene	136	C10H16	006876-07-9	50
2	Cyclohexene, 4-bromo-	160	C6H9Br	003540-84-9	50
3	Cyclohexene, 3-(2-propynyl)-	120	C9H12	055956-43-9	49
4	Cyclohexene, 1-bromo-	160	C6H9Br	002044-08-8	43
5	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	43





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Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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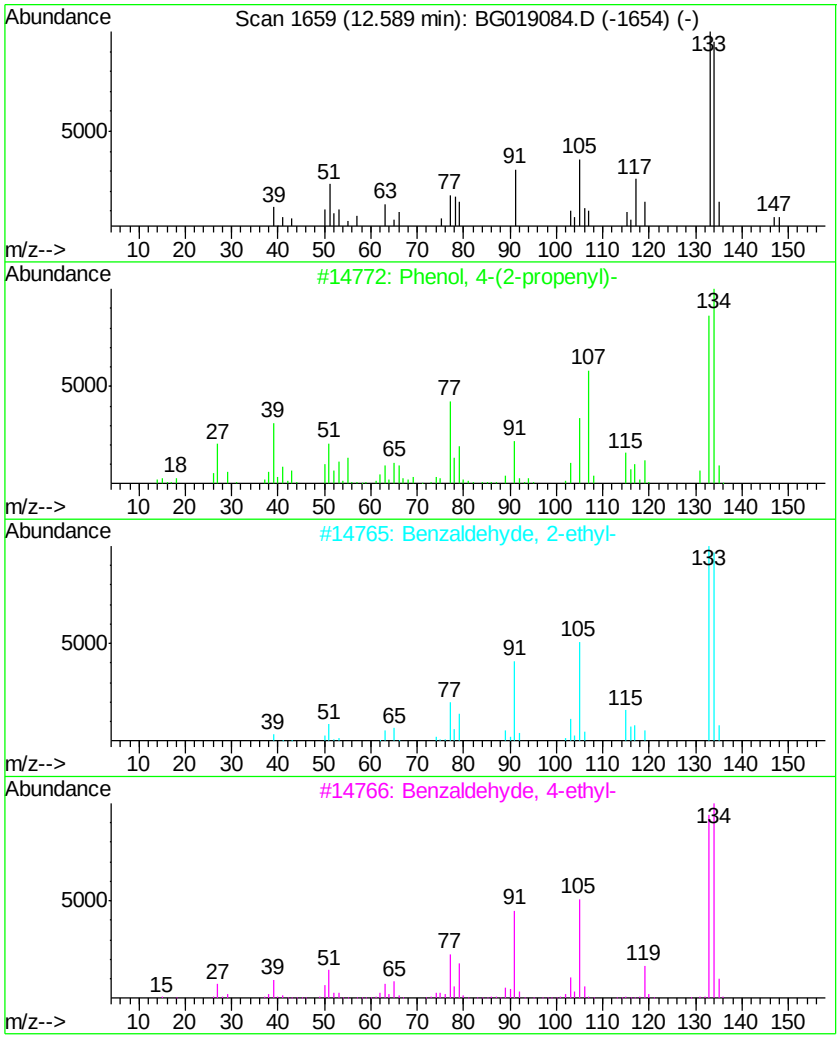
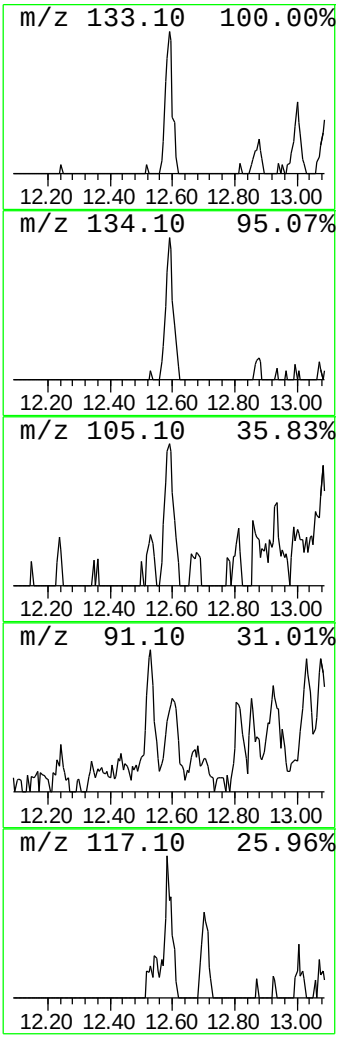
Peak Number 14 Phenol, 4-(2-propenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.93 ng/ul	29875	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-propenyl)-	134	C9H10O	000501-92-8	83
2	Benzaldehyde, 2-ethyl-	134	C9H10O	022927-13-5	81
3	Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	74
4	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	72
5	Benzaldehyde, 2,5-dimethyl-	134	C9H10O	005779-94-2	68





Library Search Compound Report

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Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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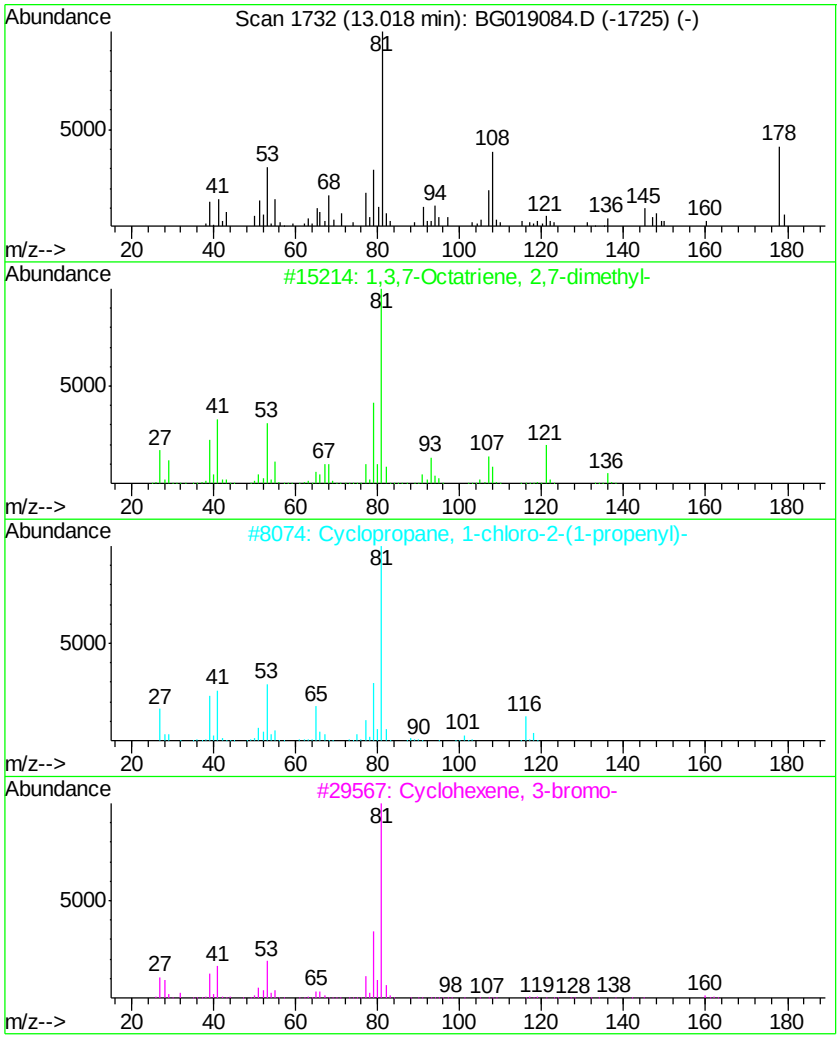
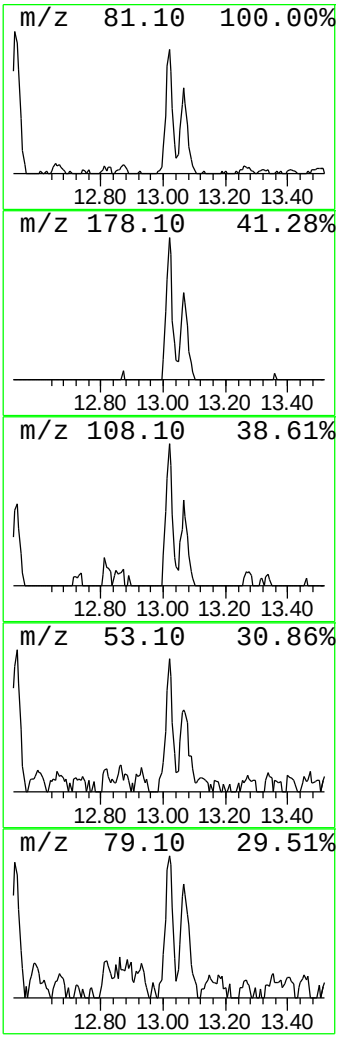
Peak Number 15 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	5.39 ng/ul	92711	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,7-Octatriene, 2,7-dimethyl-	136	C10H16	036638-38-7	43
2	Cyclopropane, 1-chloro-2-(1-prop...	116	C6H9Cl	074752-94-6	38
3	Cyclohexene, 3-bromo-	160	C6H9Br	001521-51-3	38
4	Cyclohexene,3-(2-propenyl)-	122	C9H14	015232-95-8	38
5	1,3-Butadiene, 2-(bromomethyl)-3...	160	C6H9Br	074793-41-2	38





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Sample : G3966-02
Misc :
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Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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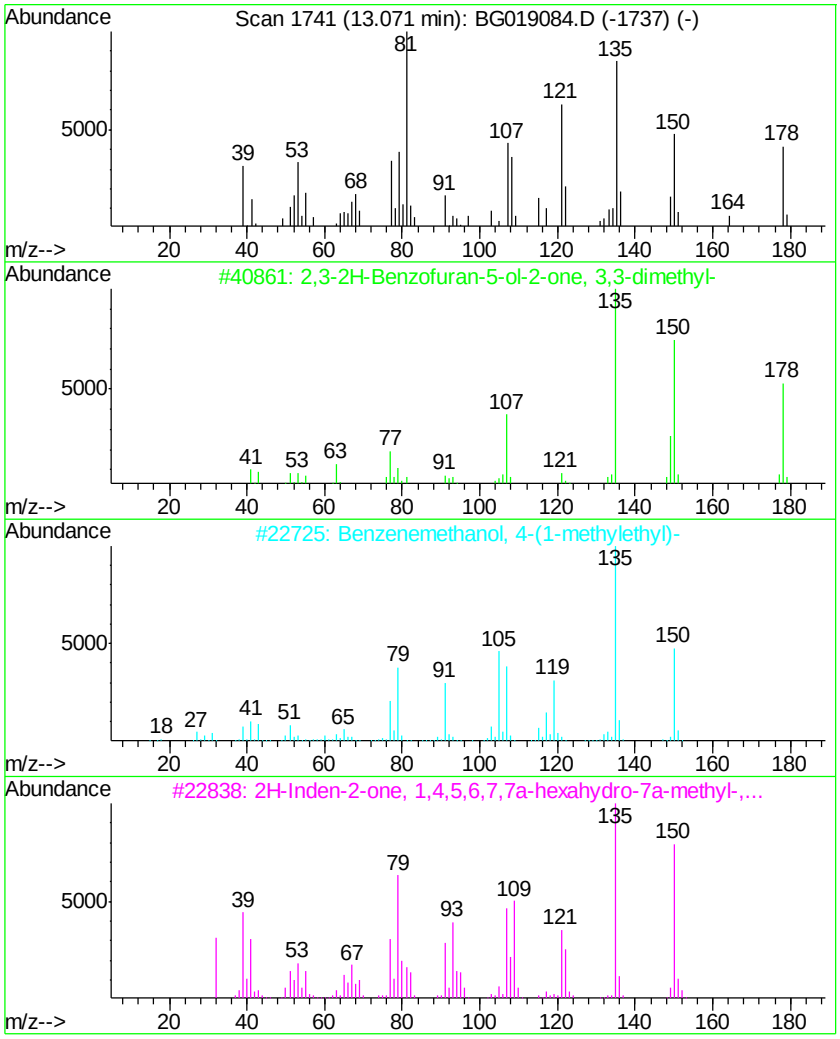
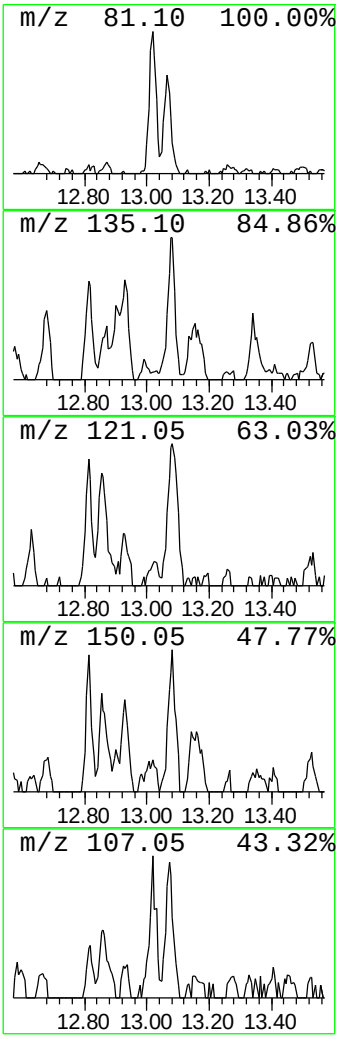
Peak Number 16 2,3-2H-Benzofuran-5-ol-2-on... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	4.16 ng/ul	71473	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-2H-Benzofuran-5-ol-2-one, 3,...	178	C10H10O3	026172-13-4	55
2	Benzenemethanol, 4-(1-methylethyl)-	150	C10H14O	000536-60-7	49
3	2H-Inden-2-one, 1,4,5,6,7,7a-hex...	150	C10H14O	054725-16-5	49
4	Benzenemethanol, 4-(1-methylethyl)-	150	C10H14O	000536-60-7	46
5	Benzenemethanol, 4-(1-methylethyl)-	150	C10H14O	000536-60-7	46





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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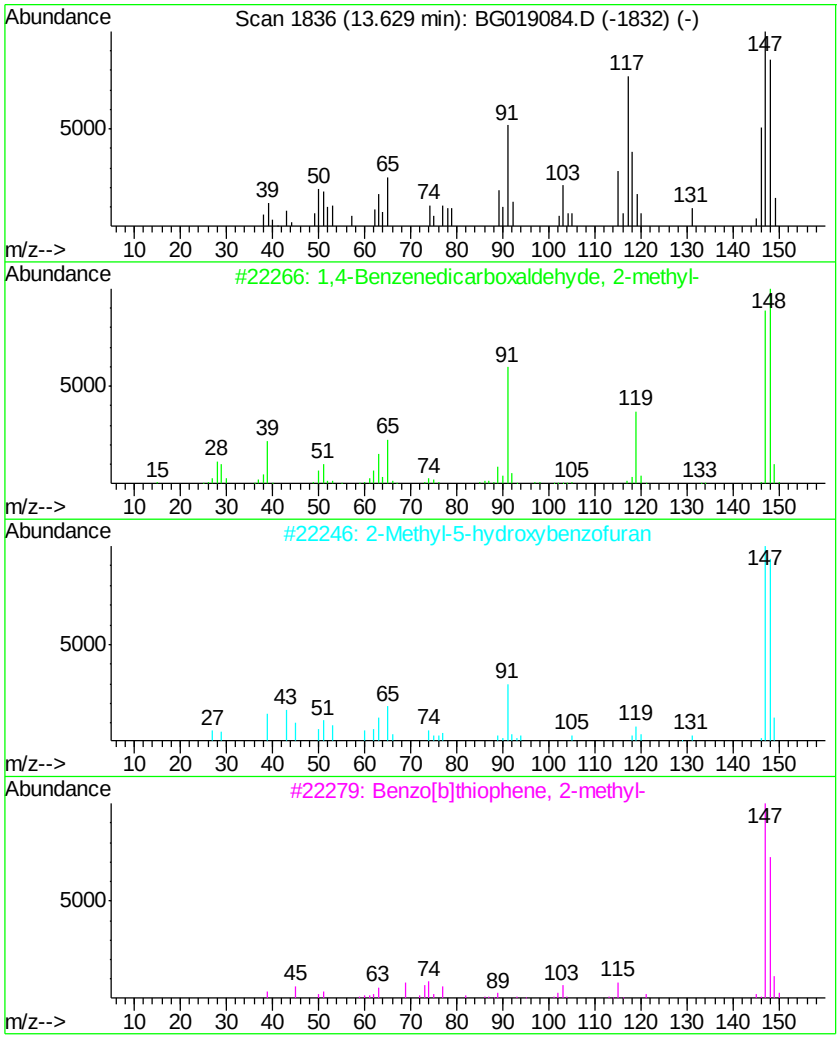
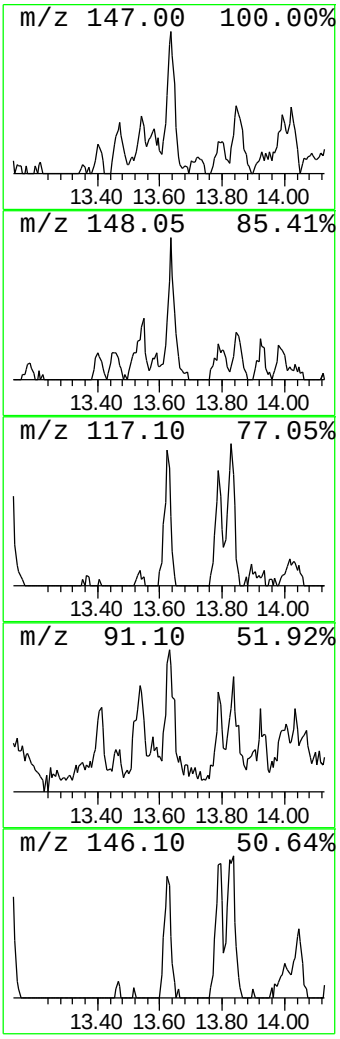
Peak Number 17 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	2.67 ng/ul	45974	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxaldehyde, 2-m...	148	C9H8O2	027587-17-3	46
2	2-Methyl-5-hydroxybenzofuran	148	C9H8O2	006769-56-8	41
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	38
4	Benzene, cyclopentyl-	146	C11H14	000700-88-9	38
5	2H-Benzimidazol-2-one, 1,3-dihyd...	148	C8H8N2O	005400-75-9	38





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Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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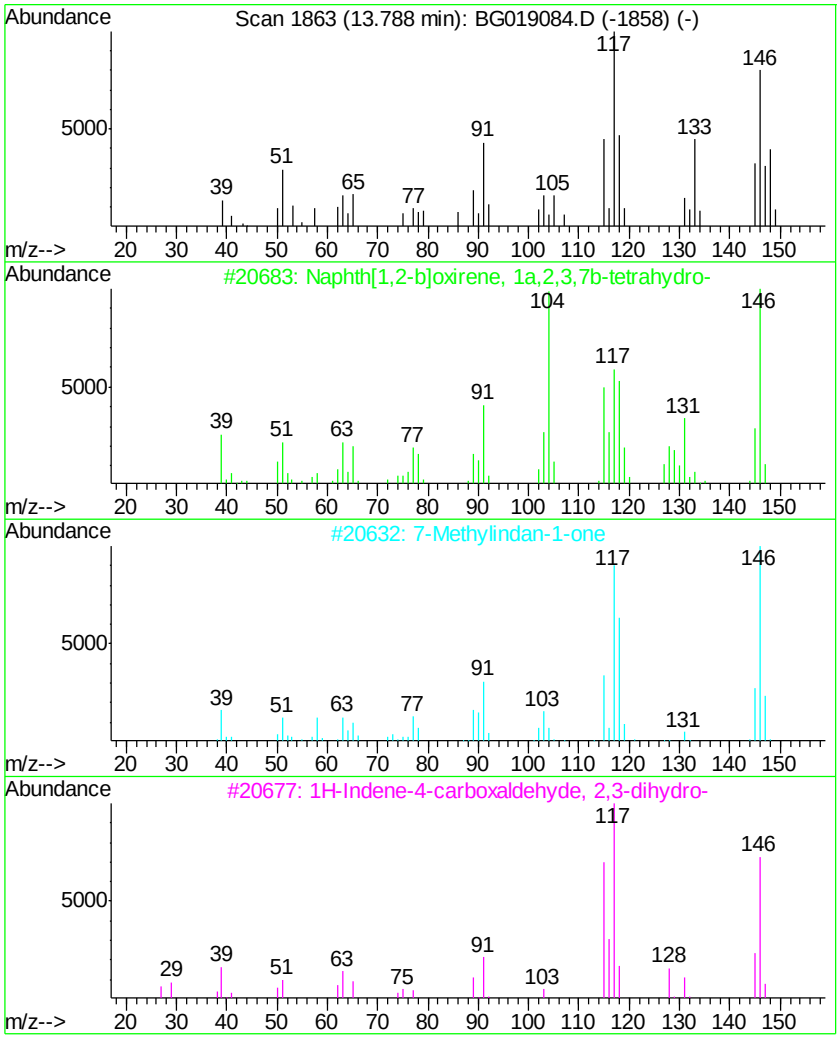
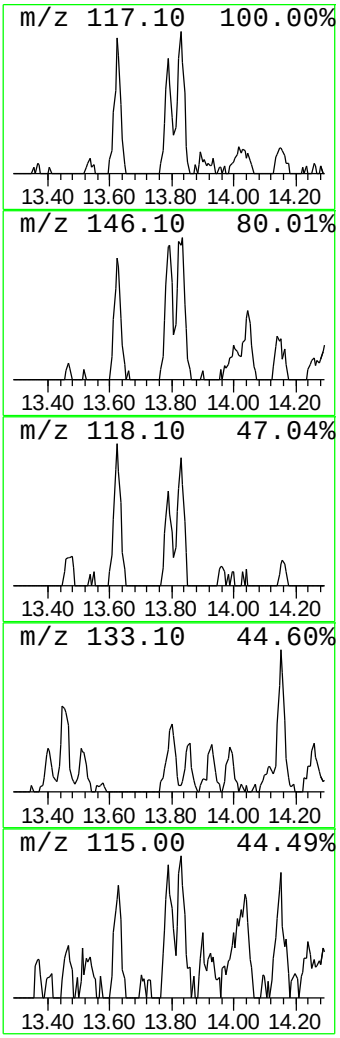
Peak Number 18 unknown-04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.29 ng/ul	39382	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	49
2	7-Methylindan-1-one	146	C10H10O	039627-61-7	47
3	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	38
4	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	38
5	Benzenamine, 2-(1-methylethenyl)-	133	C9H11N	052562-19-3	27





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Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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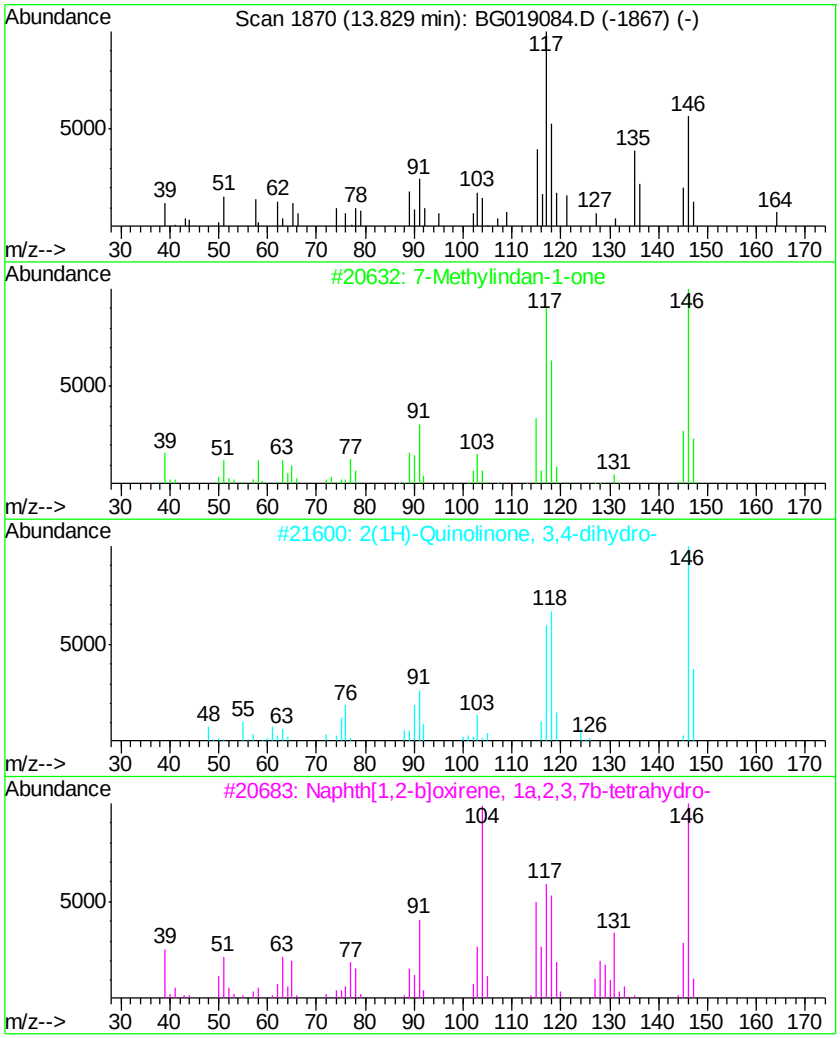
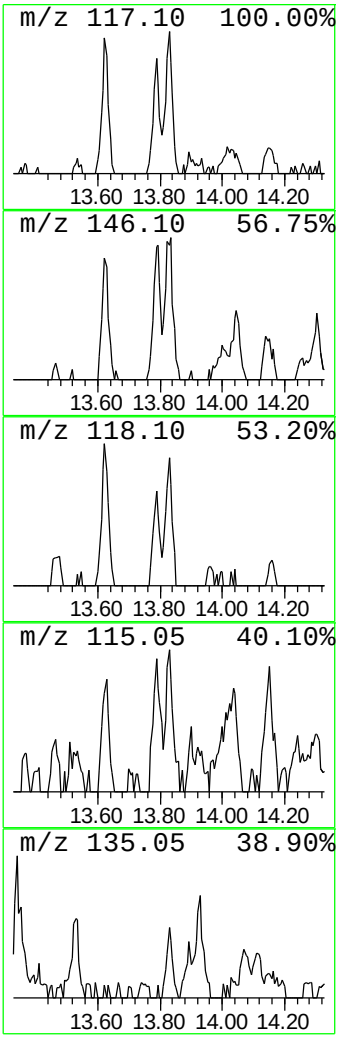
Peak Number 19 unknown-05 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.24 ng/ul	38608	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylindan-1-one	146	C10H10O	039627-61-7	49
2	2(1H)-Quinolinone, 3,4-dihydro-	147	C9H9NO	000553-03-7	38
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	38
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	30
5	1H-Imidazole, 4,5-dihydro-2-phenyl-	146	C9H10N2	000936-49-2	27





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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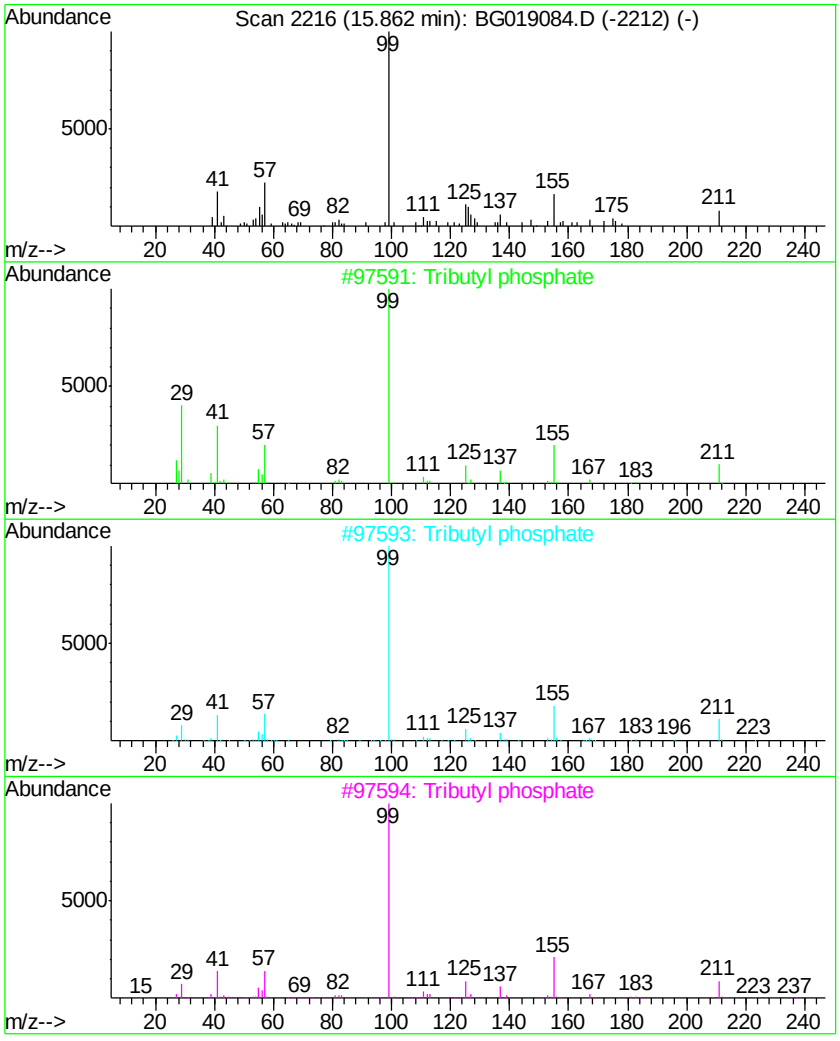
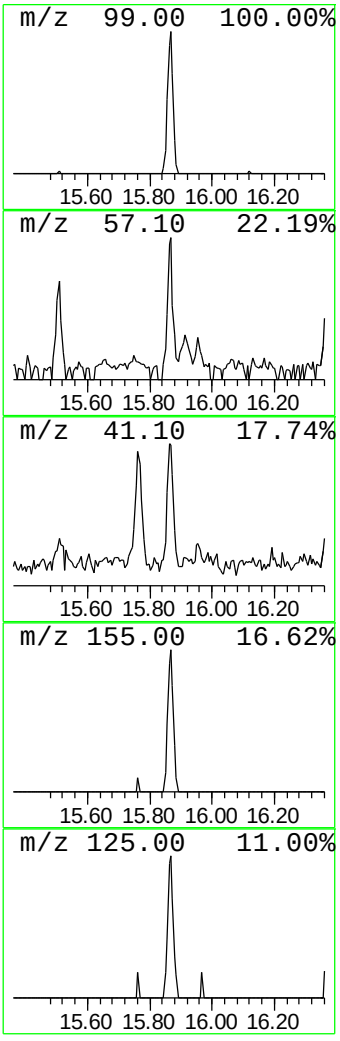
Peak Number 20 Tributyl phosphate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	2.48 ng/ul	42705	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	72
2	Tributyl phosphate	266	C12H27O4P	000126-73-8	64
3	Tributyl phosphate	266	C12H27O4P	000126-73-8	64
4	Tributyl phosphate	266	C12H27O4P	000126-73-8	59
5	Tributyl phosphate	266	C12H27O4P	000126-73-8	45





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Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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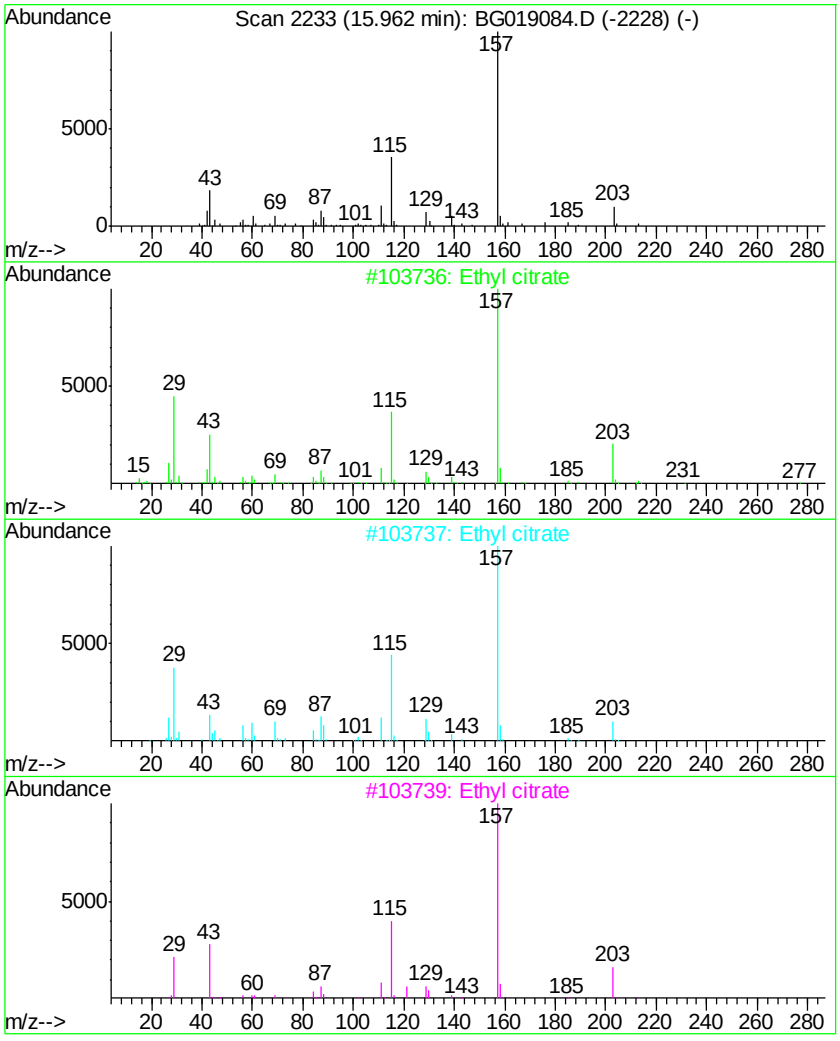
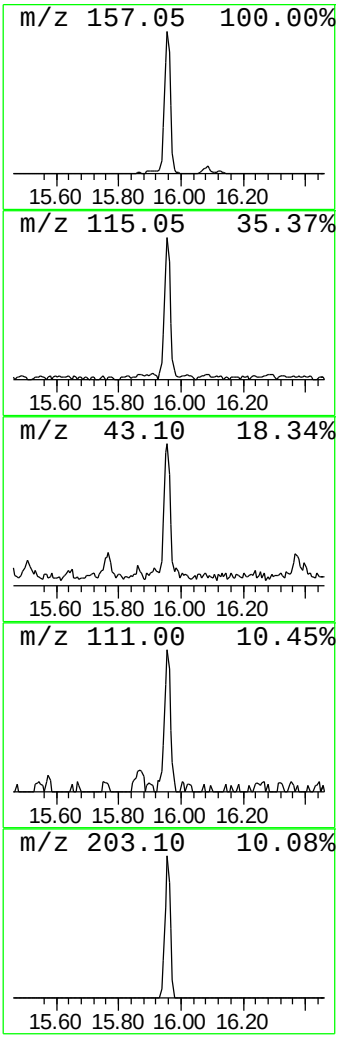
Peak Number 21 Ethyl citrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	6.54 ng/ul	112516	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl citrate	276	C12H20O7	000077-93-0	87
2	Ethyl citrate	276	C12H20O7	000077-93-0	83
3	Ethyl citrate	276	C12H20O7	000077-93-0	78
4	Ethyl citrate	276	C12H20O7	000077-93-0	52
5	Hexanedioic acid, 3-ethyl-, bis(...	286	C16H30O4	057983-54-7	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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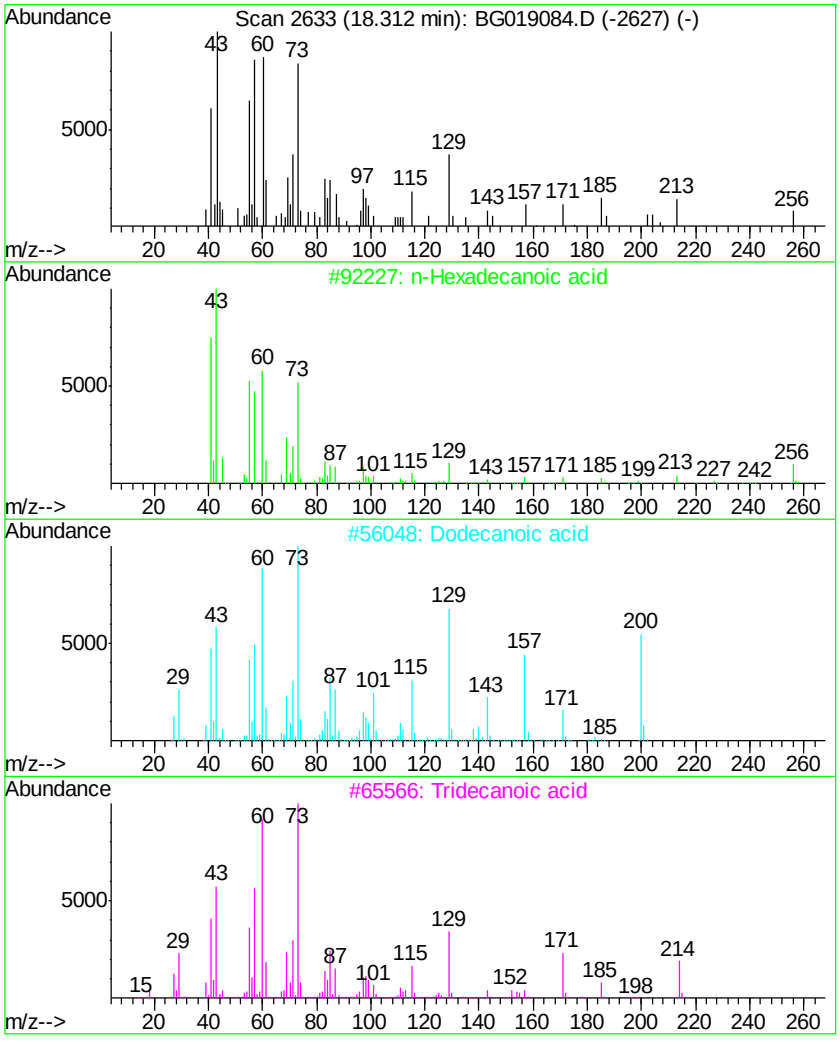
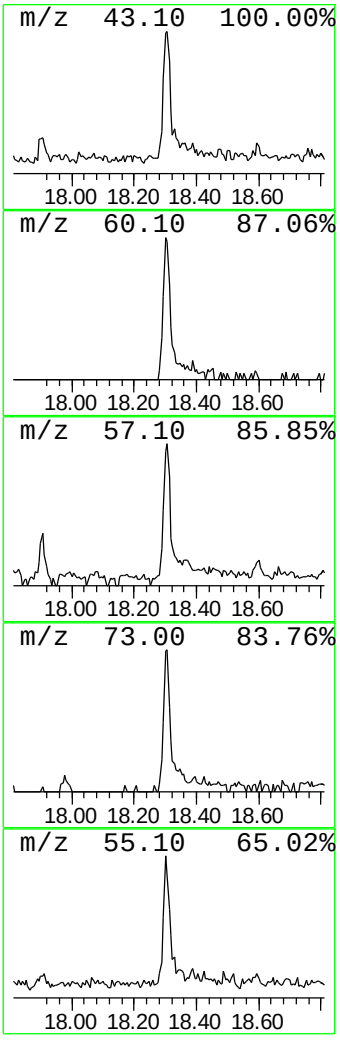
Peak Number 22 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	3.27 ng/ul	71139	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Dodecanoic acid	200	C12H24O2	000143-07-7	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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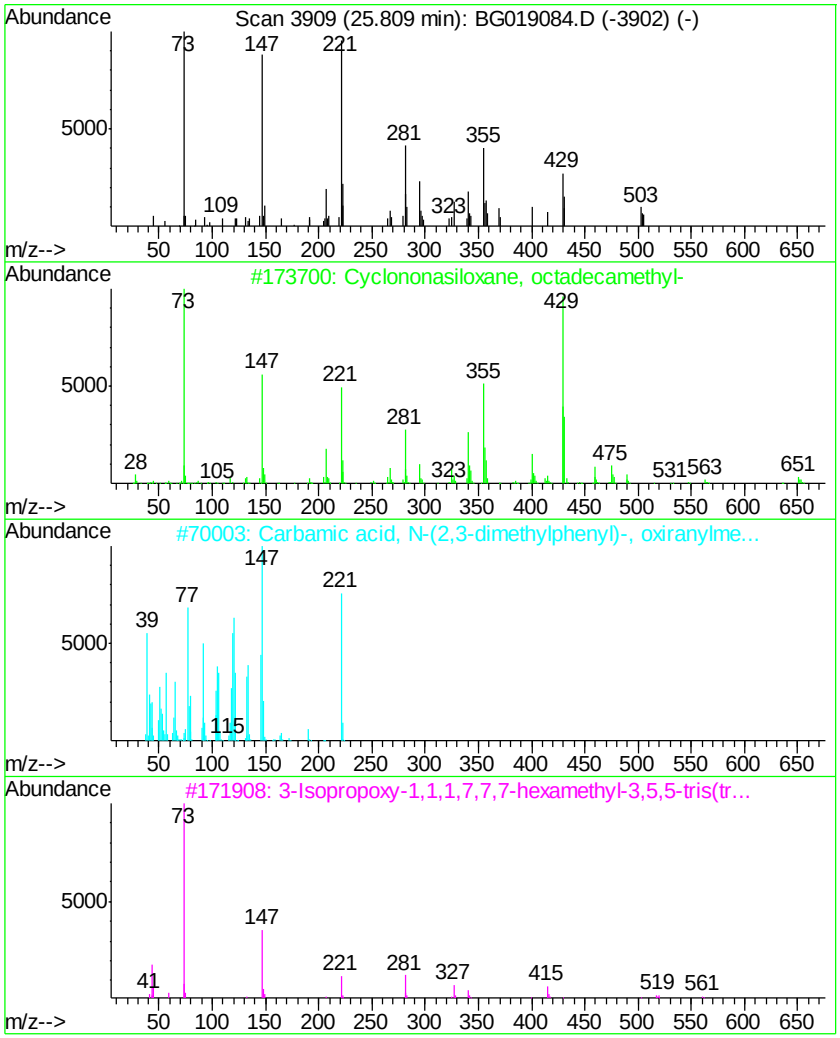
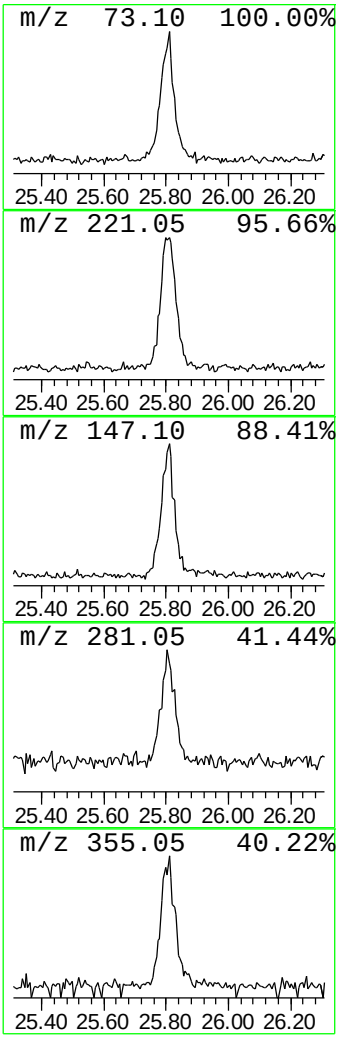
Peak Number 24 unknown-06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	4.78 ng/ul	126433	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	43
2	Carbamic acid, N-(2,3-dimethylph...	221	C12H15NO3	339273-79-9	32
3	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	25
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	25
5	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019084.D
Acq On : 9 Oct 2015 18:02
Operator : UM/NP
Sample : G3966-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.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...	3.22	32.5	ng/ul	190684	1	8.04	117519	20.0
unknown-01	8.68	3.2	ng/ul	18702	1	8.04	117519	20.0
Phenol, 2,6-dimet...	9.46	4.4	ng/ul	45155	2	10.84	203812	20.0
Benzofuran, 2-met...	9.58	2.3	ng/ul	23184	2	10.84	203812	20.0
Phenol, 2-ethyl-5...	10.66	3.1	ng/ul	31783	2	10.84	203812	20.0
Phenol, 4-ethyl-3...	11.37	4.1	ng/ul	41647	2	10.84	203812	20.0
Phenol, 2,3,6-tri...	11.43	5.0	ng/ul	50979	2	10.84	203812	20.0
Phenol, 3-ethyl-5...	11.67	5.4	ng/ul	55321	2	10.84	203812	20.0
Phenol, 2-ethyl-4...	11.71	2.3	ng/ul	23055	2	10.84	203812	20.0
1,3-Cyclohexadien...	11.95	2.9	ng/ul	29284	2	10.84	203812	20.0
Isomyocorene	12.52	8.2	ng/ul	83877	2	10.84	203812	20.0
Phenol, 4-(2-prop...	12.59	2.9	ng/ul	29875	2	10.84	203812	20.0
unknown-02	13.02	5.4	ng/ul	92711	3	14.66	343964	20.0
2,3-2H-Benzofuran...	13.07	4.2	ng/ul	71473	3	14.66	343964	20.0
unknown-03	13.63	2.7	ng/ul	45974	3	14.66	343964	20.0
unknown-04	13.79	2.3	ng/ul	39382	3	14.66	343964	20.0
unknown-05	13.83	2.2	ng/ul	38608	3	14.66	343964	20.0
Tributyl phosphate	15.86	2.5	ng/ul	42705	3	14.66	343964	20.0
Ethyl citrate	15.96	6.5	ng/ul	112516	3	14.66	343964	20.0
n-Hexadecanoic acid	18.31	3.3	ng/ul	71139	4	17.41	434911	20.0
unknown-06	25.81	4.8	ng/ul	126433	6	24.92	528972	20.0