LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	7.870	851	856	865	rVV	1440589	2463992	7.15%	0.317%
2	8.345	928	937	944	rBV2	898863	1816456	5.27%	0.233%
3	8.868	1016	1026	1032	rVV2	1221228	2583492	7.50%	0.332%
4	9.027	1044	1053	1067	rVB2	574017	1923757	5.58%	0.247%
5	9.338	1096	1106	1114	rVV2	890131	2174860	6.31%	0.279%
6	9.427	1114	1121	1130	rVB3	2395185	4780936	13.87%	0.614%
7	9.714	1165	1170	1177	rVV2	1523734	3524374	10.23%	0.453%
8	9.791	1177	1183	1191	rVB	3436358	6172988	17.91%	0.793%
9	10.226	1251	1257	1265	rBV6	811825	2573145	7.47%	0.331%
10	10.472	1288	1299	1307	rBV6	2141331	8192787	23.78%	1.053%
11	10.566	1307	1315	1320	rVV3	1209488	3685063	10.69%	0.474%
12	10.696	1329	1337	1343	rBV3	3687127	6931338	20.11%	0.891%
13	10.895	1363	1371	1380	rBV8	1340433	3801002	11.03%	0.488%
14	10.995	1380	1388	1398	rBV2	2209042	6091911	17.68%	0.783%
15	11.124	1404	1410	1419	rVV	5931362	12152892	35.27%	1.562%
16	11.248	1419	1431	1436	rVV6	2053334	8029439	23.30%	1.032%
17	11.313	1436	1442	1456	rVB3	6969845	24886106	72.22%	3.198%
18	11.442	1456	1464	1467	rBV	7470480	16317886	47.35%	2.097%
19	11.489	1467	1472	1478	rVV	14675352	30780360	89.32%	3.955%
20	11.553	1478	1483	1488	rVB	5937244	9061267	26.30%	1.164%
21	11.647	1494	1499	1506	rBV2	1453510	2815288	8.17%	0.362%
22	11.718	1506	1511	1523	rVB7	1017314	2599406	7.54%	0.334%
23	11.824	1523	1529	1534	rBV	2125951	3711372	10.77%	0.477%
24	11.882	1534	1539	1546	rBV5	1400661	2773186	8.05%	0.356%
25	11.965	1546	1553	1557	rBV3	1929838	4068423	11.81%	0.523%
26	12.018	1558	1562	1566	rVB2	1481365	2626315	7.62%	0.337%
27	12.076	1566	1572	1579	rBV6	4165055	10251720	29.75%	1.317%
28	12.159	1579	1586	1589	rVB	2195389	3905695	11.33%	0.502%
29	12.206	1589	1594	1597	rBV2	2173904	3640821	10.57%	0.468%
30	12.270	1601	1605	1611	rVB	5163774	9682843	28.10%	1.244%
31	12.376	1612	1623	1628	rBV3	2547551	6110255	17.73%	0.785%
32	12.435	1628	1633	1640	rBV3	4614818	8025848	23.29%	1.031%
33	12.529	1644	1649	1655	rBV	1800444	4490655	13.03%	0.577%
34	12.599	1655	1661	1664	rBV	3742629	7138671	20.72%	0.917%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	12.729	1670	1683	1687	rBV	15319200	34459661	100.00%	4.428%
36	12.764	1687	1689	1693	rVV	8232557	12334494	35.79%	1.585%
37	12.805	1693	1696	1700	rVV2	4525255	9318814	27.04%	1.197%
38	12.887	1700	1710	1714	rVB3	6592039	19643227	57.00%	2.524%
39	12.946	1714	1720	1725	rVB	10535150	19840022	57.57%	2.549%
40	13.022	1725	1733	1742	rBV2	6705298	16480158	47.82%	2.118%
41	13.105	1742	1747	1751	rBV2	4539437	8554483	24.82%	1.099%
42	13.222	1762	1767	1771	rBV6	2209692	3248397	9.43%	0.417%
43	13.281	1771	1777	1781	rBV2	3532082	6624567	19.22%	0.851%
44	13.357	1786	1790	1794	rBV2	3614020	5896681	17.11%	0.758%
45	13.410	1795	1799	1803	rVB	3747467	5858679	17.00%	0.753%
46	13.463	1804	1808	1812	rBV3	1530925	2538027	7.37%	0.326%
47	13.592	1818	1830	1835	rBV3	4695107	12582852	36.51%	1.617%
48	13.651	1835	1840	1845	rVV5	7114906	12604440	36.58%	1.620%
49	13.704	1845	1849	1853	rVV	3028591	4036081	11.71%	0.519%
50	13.745	1854	1856	1861	rVB4	1392164	2190641	6.36%	0.281%
51	13.821	1861	1869	1872	rBV3	2763808	7213088	20.93%	0.927%
52	13.904	1878	1883	1891	rVB6	4741391	11991674	34.80%	1.541%
53	14.056	1898	1909	1920	rVB2	6782241	20899483	60.65%	2.686%
54	14.197	1920	1933	1938	rBV4	9271133	24382040	70.76%	3.133%
55	14.250	1938	1942	1949	rVB3	9354088	14596460	42.36%	1.876%
56	14.356	1956	1960	1964	rBV3	1785485	2881928	8.36%	0.370%
57	14.427	1965	1972	1976	rVV4	2565403	4924639	14.29%	0.633%
58	14.509	1982	1986	1989	rVB2	3488654	4382447	12.72%	0.563%
59	14.556	1989	1994	1997	rBV3	3321883	7315033	21.23%	0.940%
60	14.720	2018	2022	2027	rVB	8576912	11746129	34.09%	1.509%
61	14.832	2035	2041	2046	rBV2	7672369	13084574	37.97%	1.681%
62	14.908	2046	2054	2062	rVV5	6808523	14163879	41.10%	1.820%
63	14.996	2067	2069	2076	rVB4	1870879	2951128	8.56%	0.379%
64	15.090	2076	2085	2092	rBV3	5811577	11547011	33.51%	1.484%
65	15.161	2092	2097	2102	rVB2	3610283	5697772	16.53%	0.732%
66	15.261	2106	2114	2120	rBV6	2719732	6643280	19.28%	0.854%
67	15.331	2121	2126	2129	rVV2	1985952	3658154	10.62%	0.470%
68	15.372	2129	2133	2137	rVB	2524380	3629030	10.53%	0.466%
69	15.472	2144	2150	2155	rBV4	2561892	5838497	16.94%	0.750%
70	15.525	2155	2159	2168	rVV4	5168037	11501377	33.38%	1.478%
71	15.625	2168	2176	2178	rVV2	6145422	12417397	36.03%	1.596%

LSC Area Percent Report

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Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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

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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	15.660	2178	2182	2193	rVB	10845540	20399794	59.20%	2.621%
73	15.784	2194	2203	2205	rBV4	1061870	2306111	6.69%	0.296%
74	15.895	2218	2222	2232	rVB2	4769958	10235913	29.70%	1.315%
75	16.060	2242	2250	2254	rBV7	1386203	2714261	7.88%	0.349%
76	16.459	2311	2318	2323	rVB4	2613163	6607148	19.17%	0.849%
77	16.518	2323	2328	2331	rBV	10588448	14861825	43.13%	1.910%
78	16.553	2332	2334	2340	rVB3	2975459	3907341	11.34%	0.502%
79	16.736	2356	2365	2374	rVB3	5331924	8433509	24.47%	1.084%
80	16.824	2374	2380	2386	rVB2	4244418	6035745	17.52%	0.776%
81	16.888	2386	2391	2398	rBV4	1219399	2868786	8.33%	0.369%
82	17.129	2428	2432	2440	rVB5	1144418	2162930	6.28%	0.278%
83	17.259	2445	2454	2458	rBV5	1558427	3835894	11.13%	0.493%
84	17.305	2458	2462	2471	rVB2	9250176	13619927	39.52%	1.750%
85	17.441	2480	2485	2492	rVB2	1342535	2171493	6.30%	0.279%
86	17.605	2506	2513	2517	rVV2	1202146	2255897	6.55%	0.290%
87	17.699	2524	2529	2537	rVB	1303714	2524323	7.33%	0.324%
88	17.776	2537	2542	2549	rBV2	3050986	5909593	17.15%	0.759%
89	17.999	2574	2580	2583	rVV4	1255077	2016659	5.85%	0.259%
90	18.040	2583	2587	2599	rVB	7831051	12002281	34.83%	1.542%
91	18.686	2694	2697	2700	rVV	1533479	2137668	6.20%	0.275%
92	18.727	2700	2704	2721	rVB	6161599	9418696	27.33%	1.210%
93	19.344	2806	2809	2819	rVB	5215541	6748215	19.58%	0.867%
94	19.914	2903	2906	2912	rVV	3805273	4753357	13.79%	0.611%
95	19.985	2912	2918	2925	rVB2	2882056	5047595	14.65%	0.649%
96	20.443	2983	2996	3002	rBV	3200938	5419397	15.73%	0.696%
97	20.937	3073	3080	3091	rVB3	1612770	4925097	14.29%	0.633%
98	21.888	3236	3242	3249	rVB	1401595	2468336	7.16%	0.317%
99	25.061	3773	3782	3798	rVB2	816212	2511244	7.29%	0.323%
100	25.308	3813	3824	3840	rVB2	774957	2472217	7.17%	0.318%

Sum of corrected areas: 778232045

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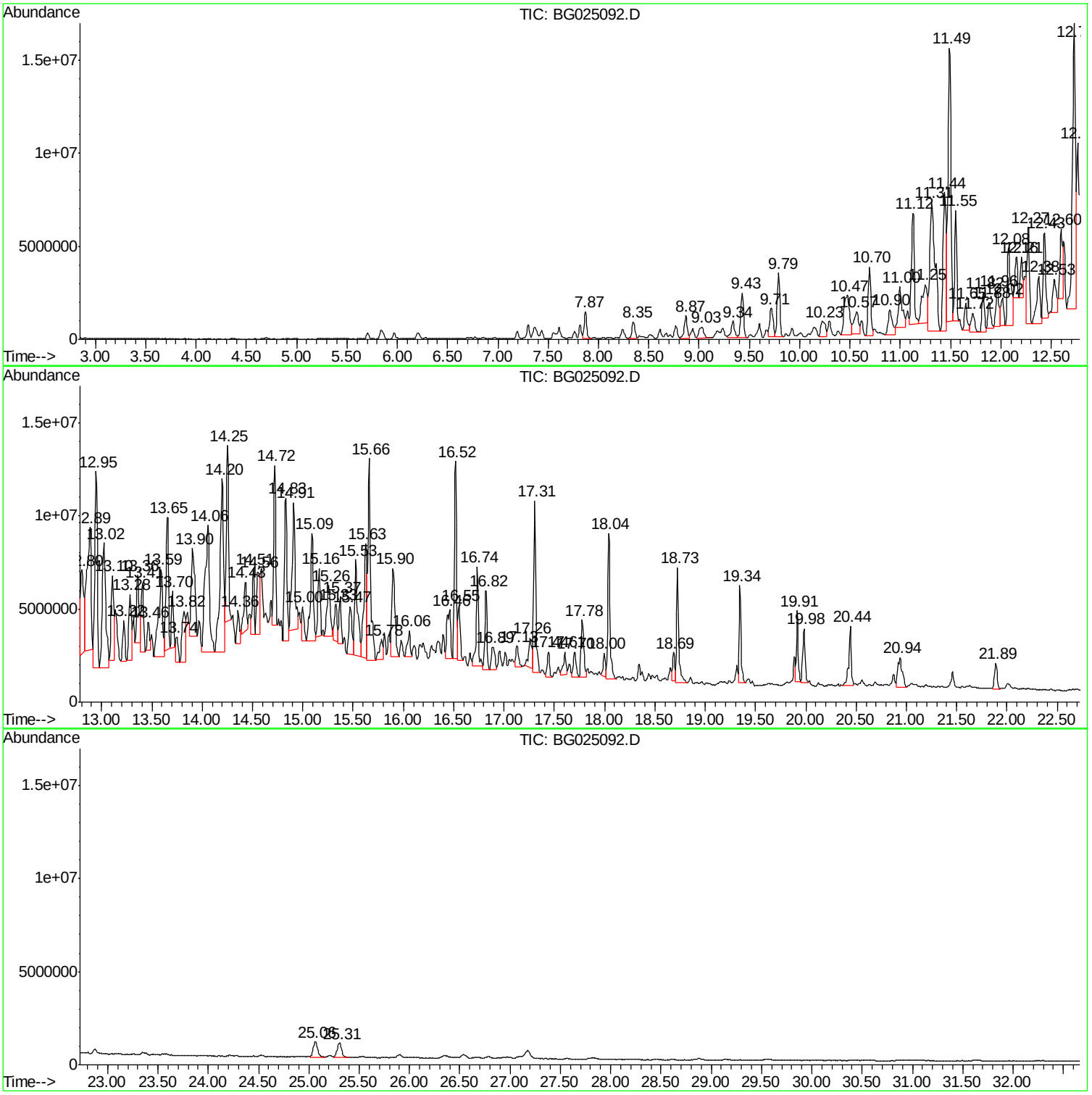
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : BG025092.D
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Operator : UM/SJ
Sample : H5905-02
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

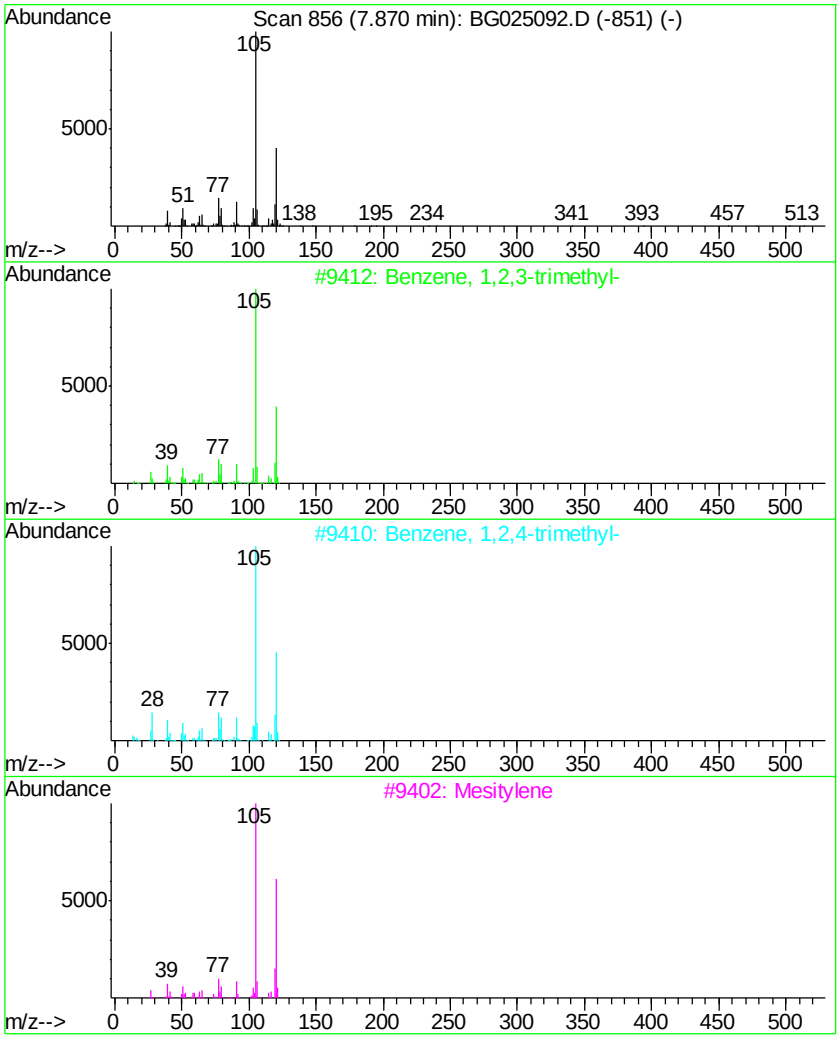
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

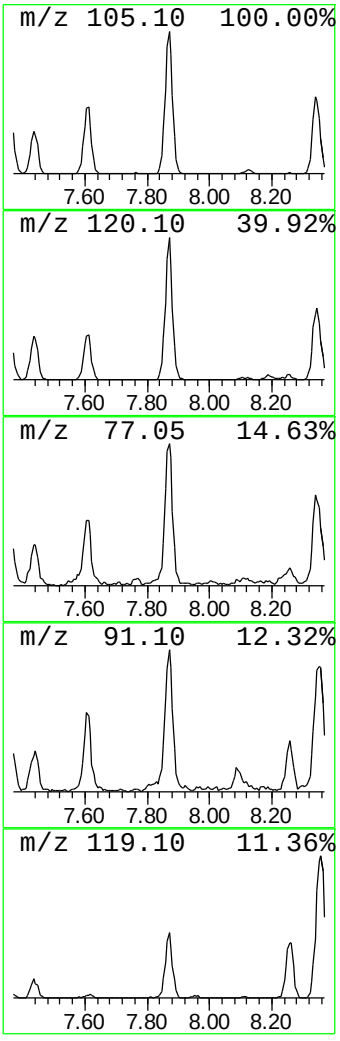
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	27.13 ng/ul	2463990	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

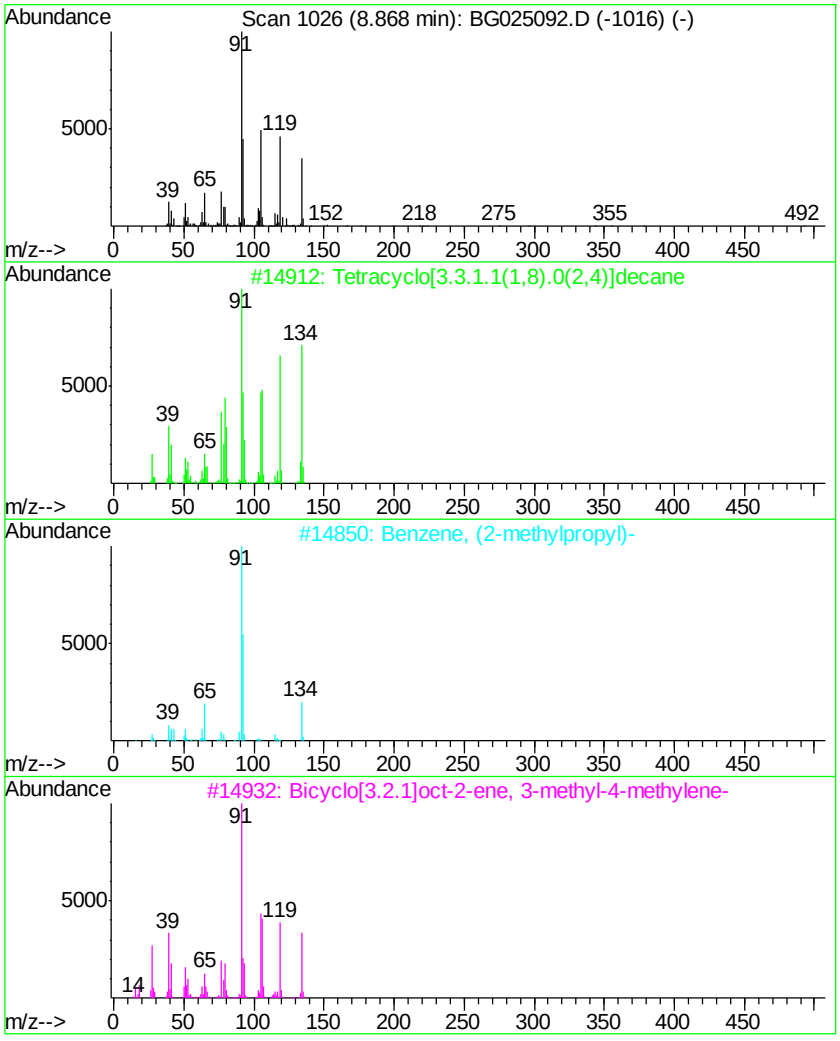
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

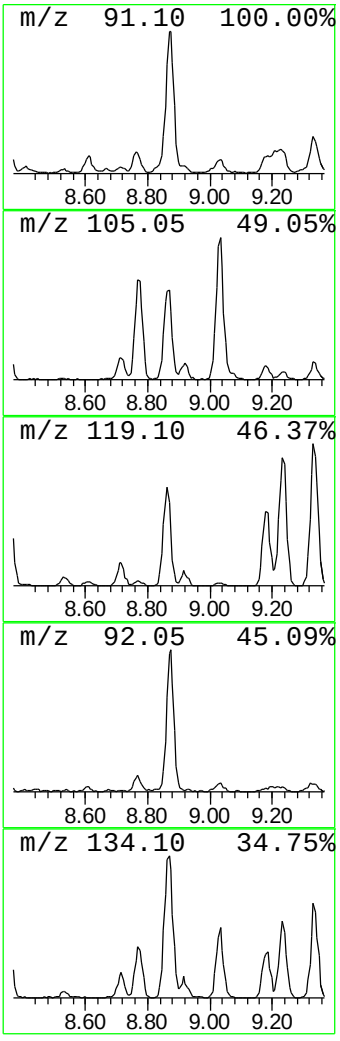
****

Peak Number 3 Tetracyclo[3.3.1.1(1,8).0(2... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	28.45 ng/ul	2583490	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.1(1,8).0(2,4)]d...	134	C10H14	1000185-58-7	83
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	55
3	Bicyclo[3.2.1]oct-2-ene, 3-methy...	134	C10H14	049826-53-1	52
4	Benzene, butyl-	134	C10H14	000104-51-8	47
5	Benzenepropanal	134	C9H10O	000104-53-0	46





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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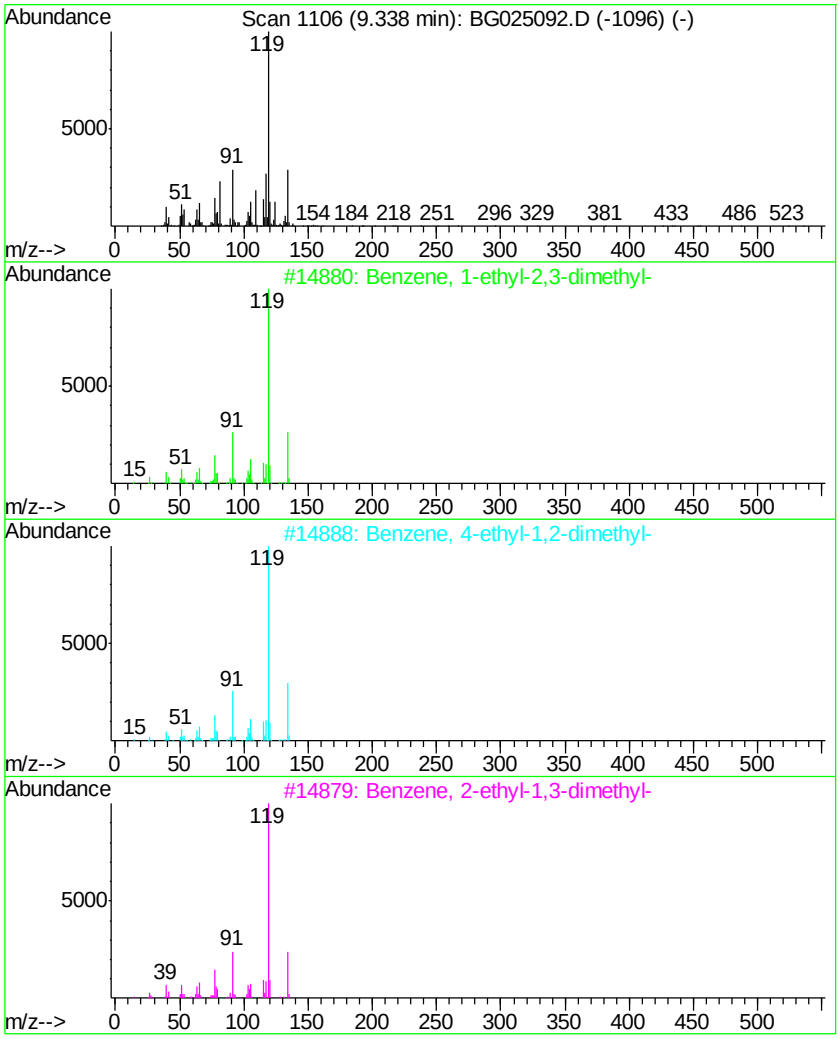
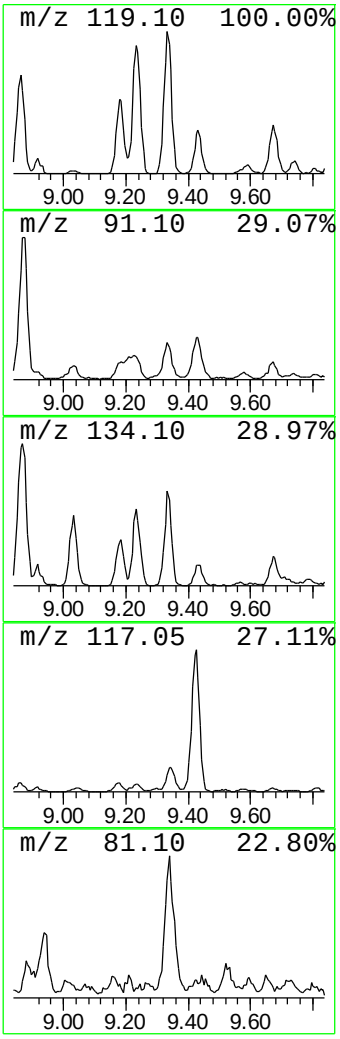
Peak Number 4 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	23.95 ng/ul	2174860	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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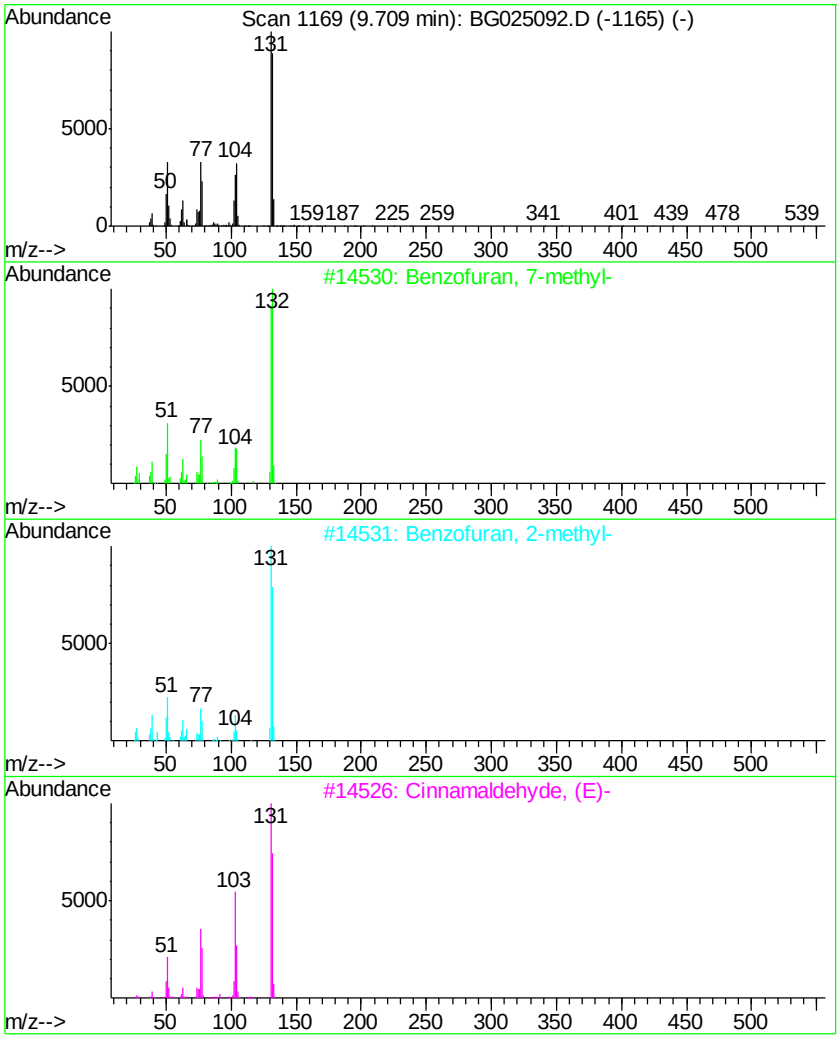
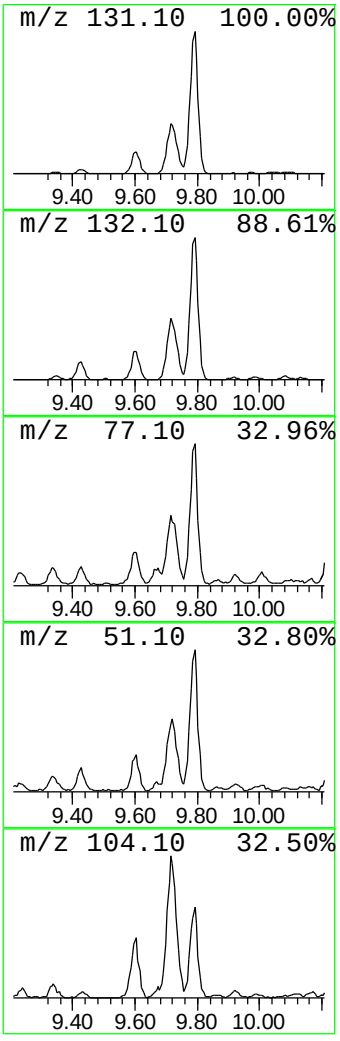
Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	5.80 ng/ul	3524370	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	93
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93





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Data File : BG025092.D
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Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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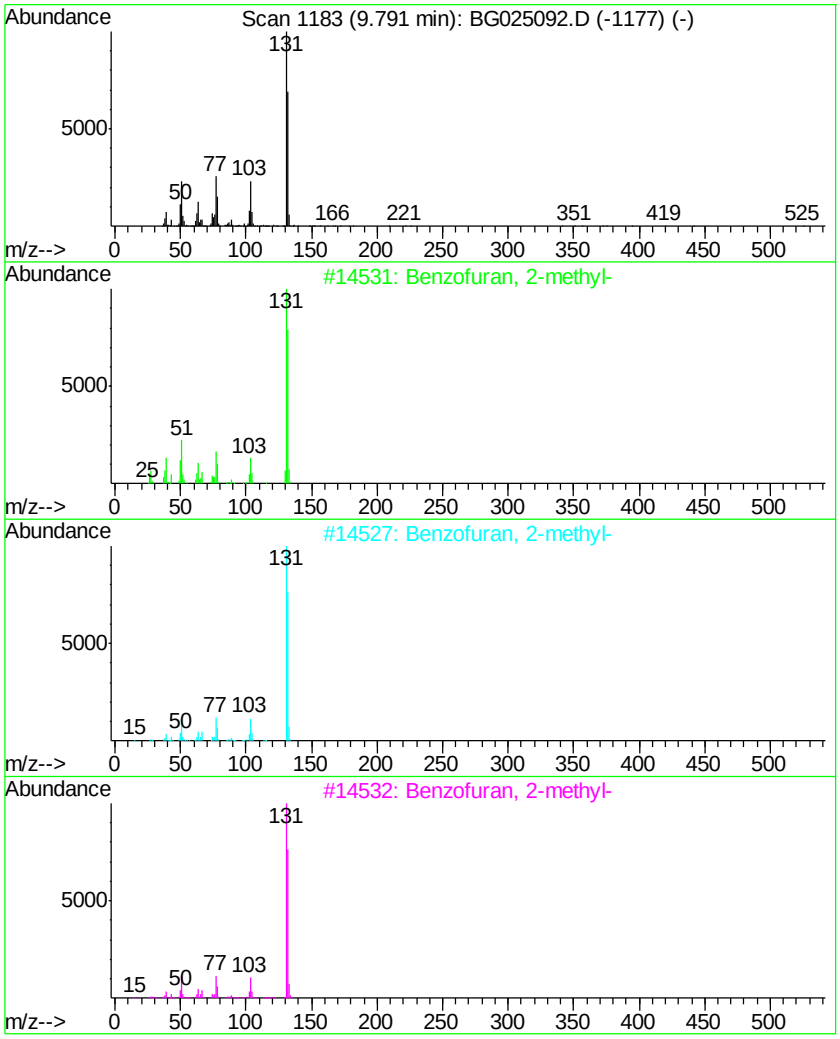
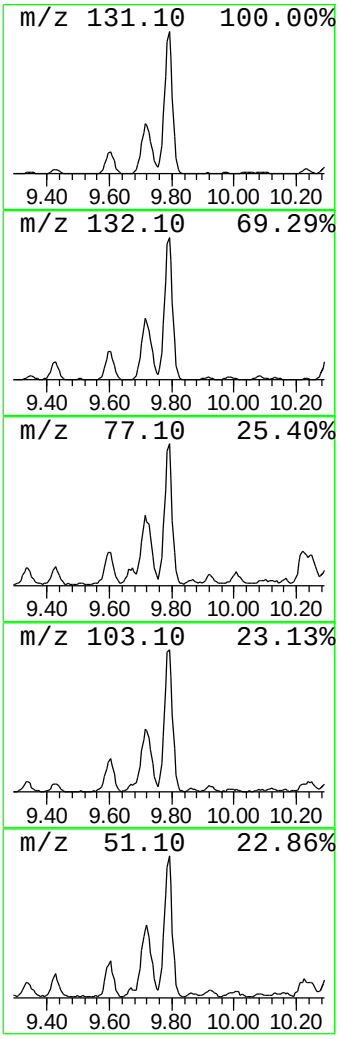
Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	10.16 ng/ul	6172990	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





Library Search Compound Report

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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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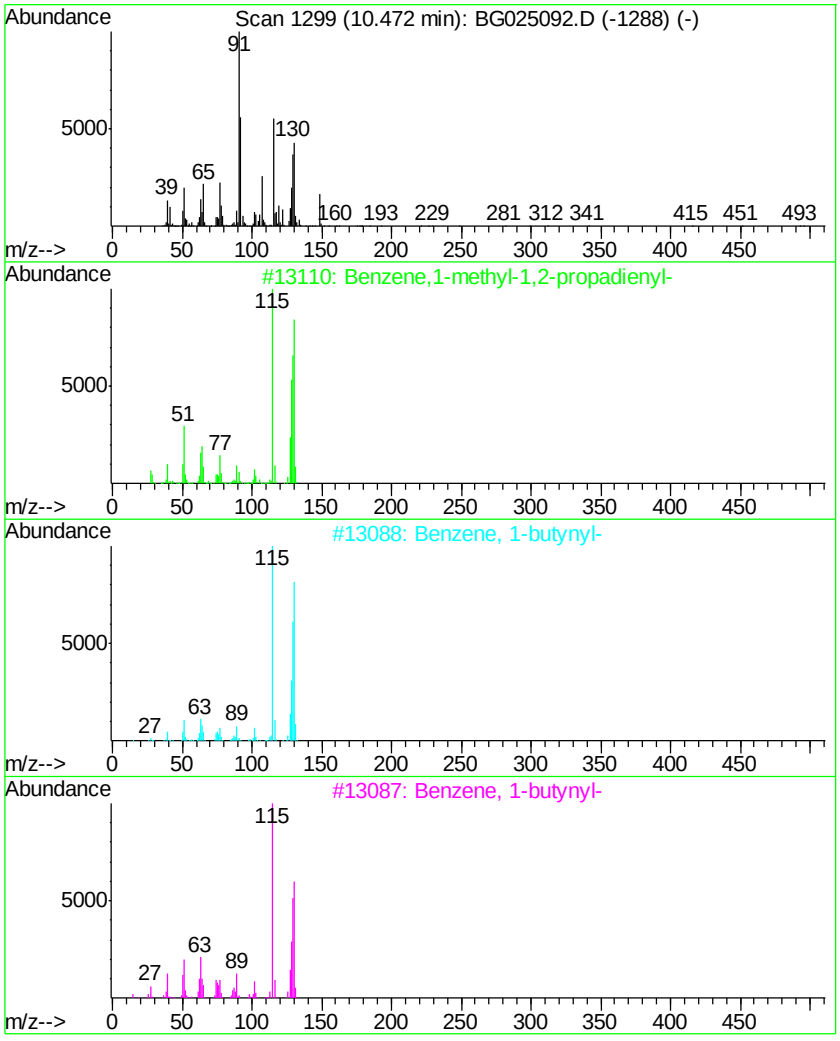
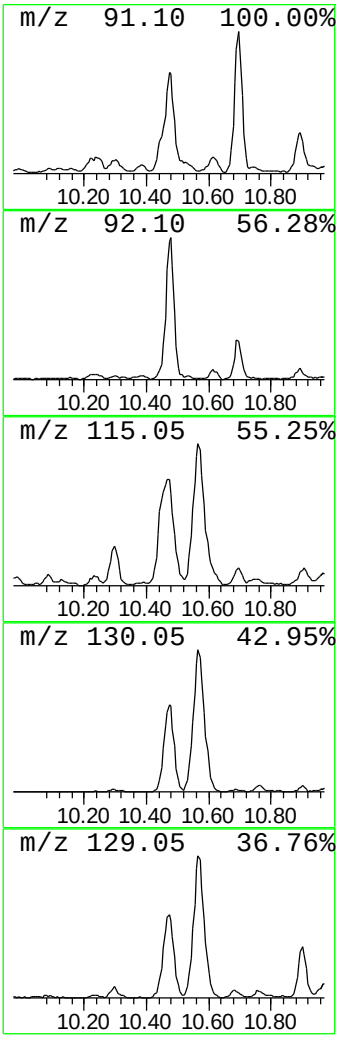
Peak Number 7 Benzene,1-methyl-1,2-propad... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	13.48 ng/ul	8192790	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	55
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	46
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	42
4	3-Butynylbenzene	130	C10H10	016520-62-0	30
5	Toluene	92	C7H8	000108-88-3	25





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Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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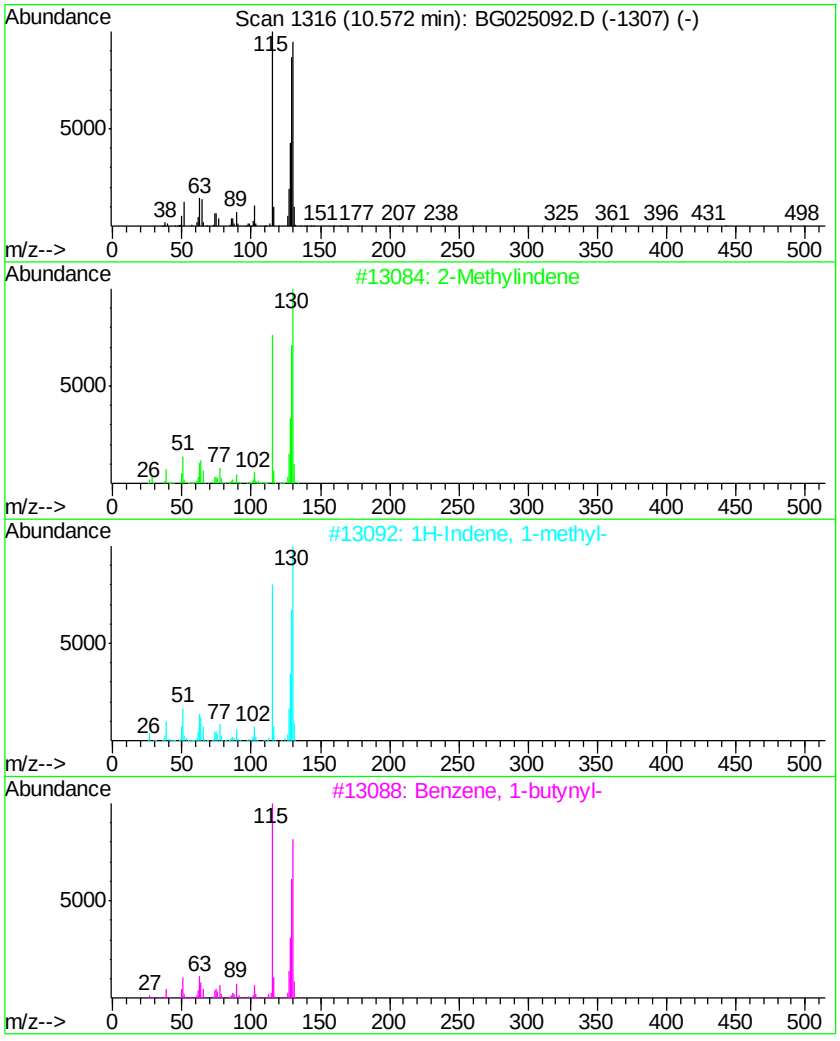
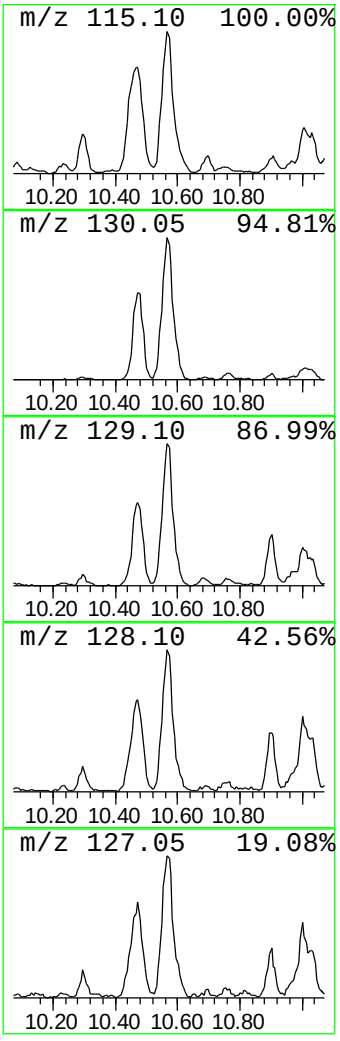
Peak Number 8 2-Methylindene Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	6.06 ng/ul	3685060	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	91





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Misc :
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Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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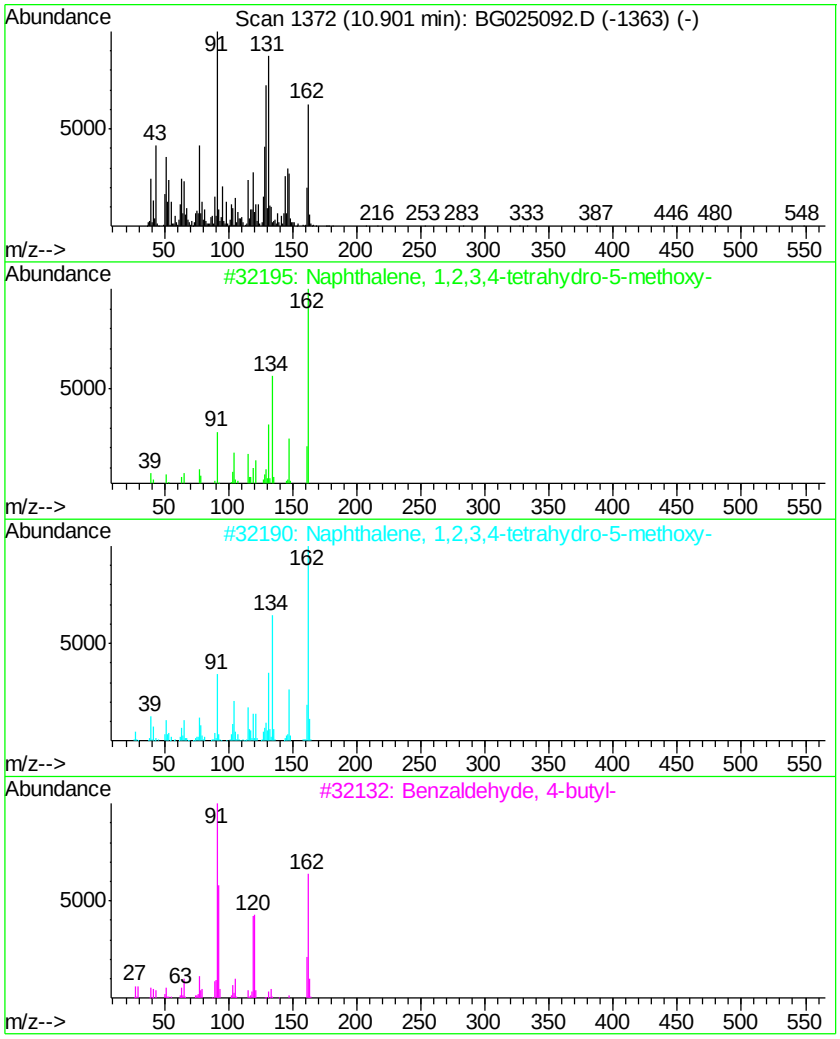
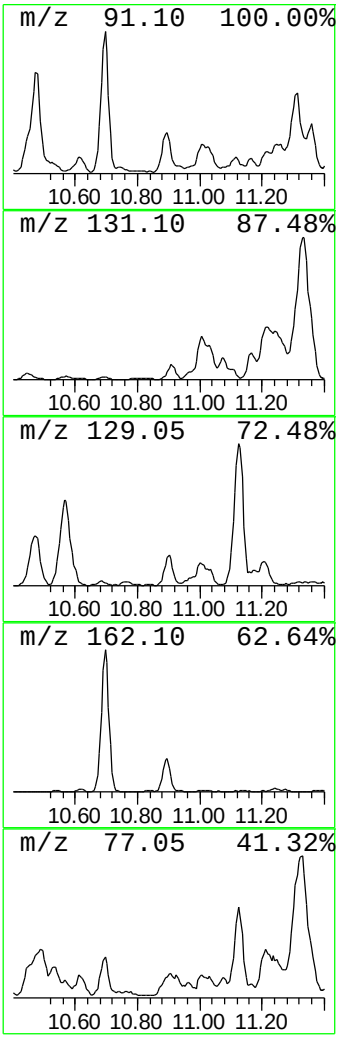
Peak Number 9 unknown-01 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	6.26 ng/ul	3801000	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	162	C11H14O	001008-19-1	35
2	Naphthalene, 1,2,3,4-tetrahydro-...	162	C11H14O	001008-19-1	35
3	Benzaldehyde, 4-butyl-	162	C11H14O	001200-14-2	30
4	Furan, 2-(2-furanylmethyl)-5-met...	162	C10H10O2	013678-51-8	30
5	Benzene, 1-(2-methoxy-1-propenyl...	162	C11H14O	053291-92-2	27





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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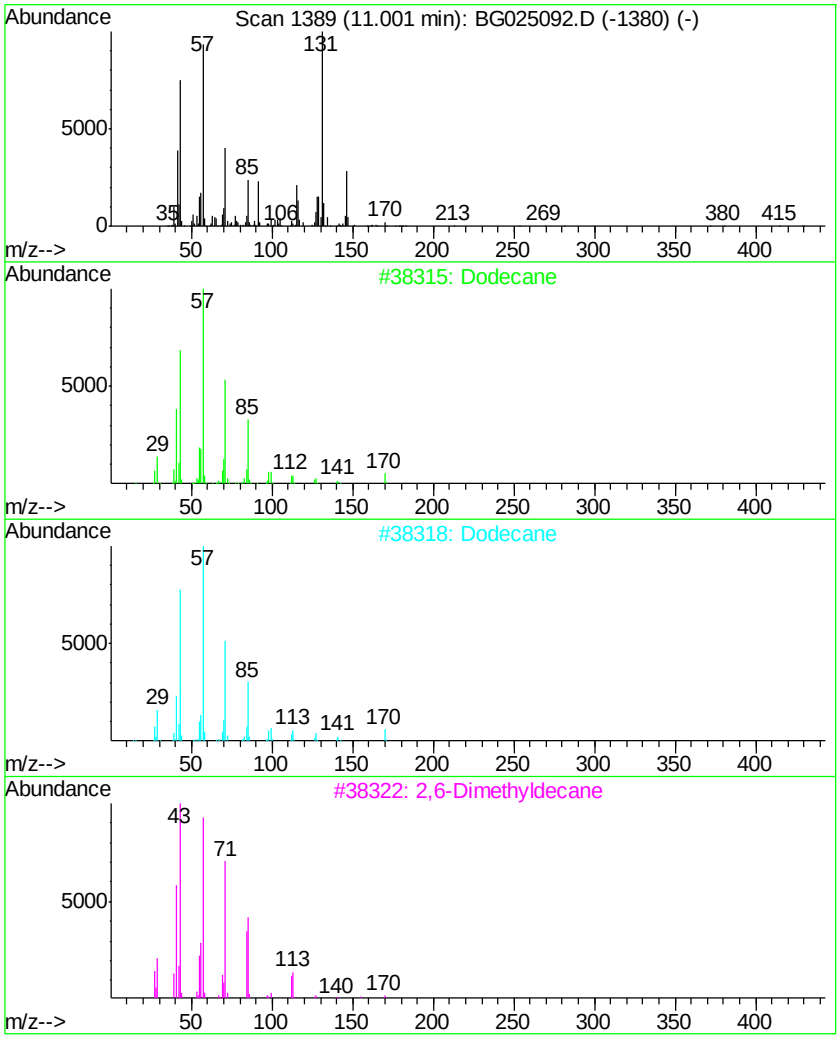
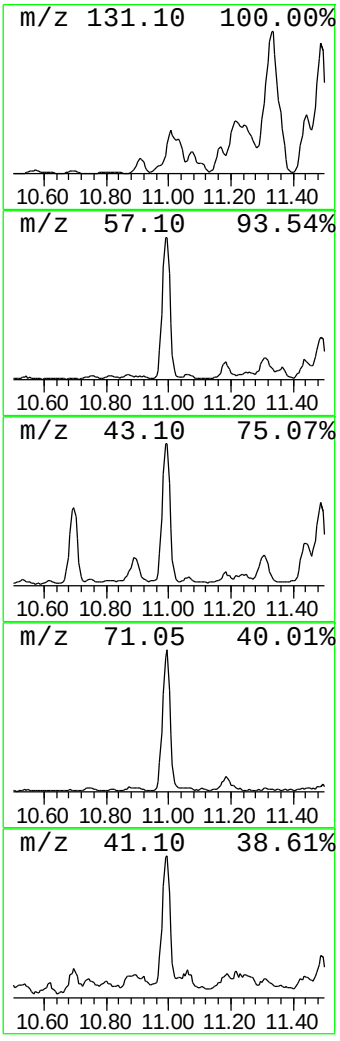
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	10.03 ng/ul	6091910	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	55
2	Dodecane	170	C12H26	000112-40-3	43
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	43
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	42
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	42





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Misc :
ALS Vial : 27 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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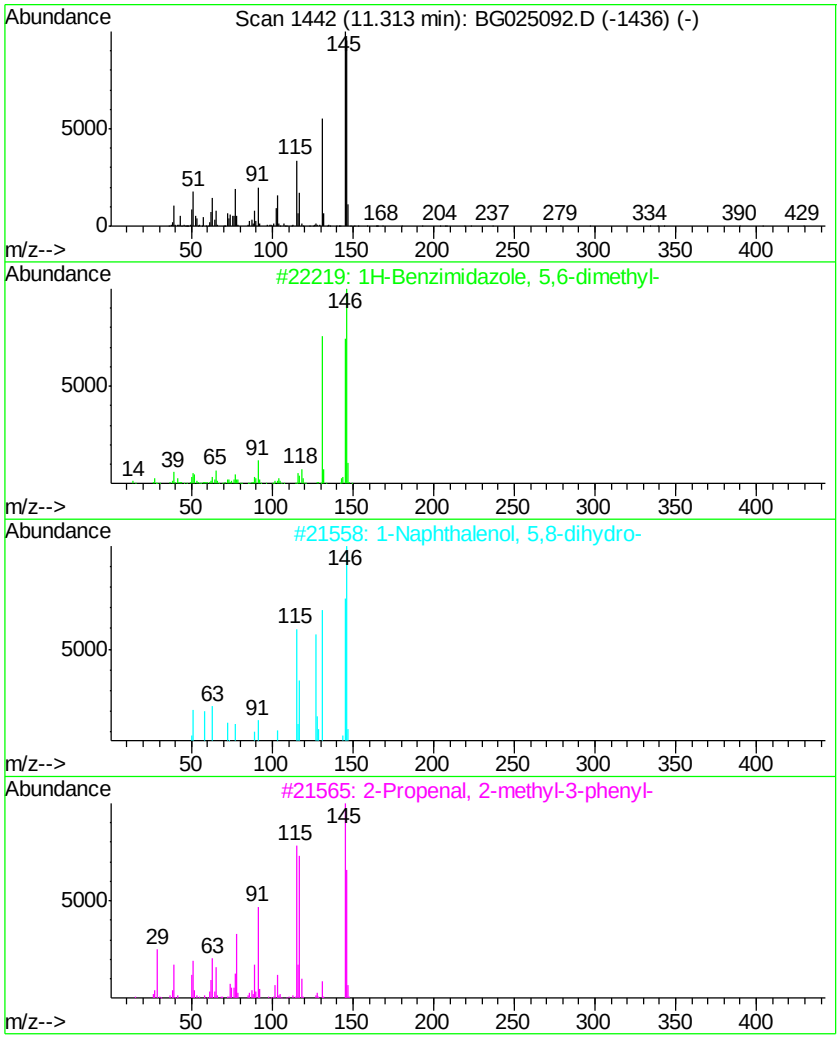
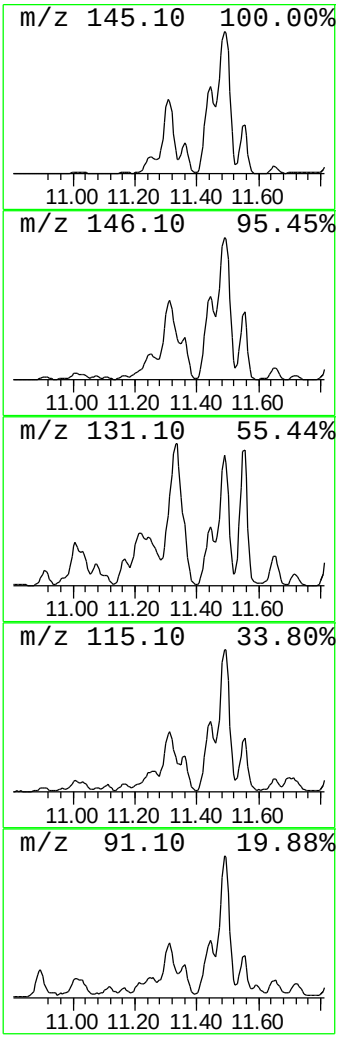
Peak Number 11 1H-Benzimidazole, 5,6-dimet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	40.96 ng/ul	24886100	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	72
2	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	72
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	62
4	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	53
5	Benzofuran-2-carboxaldehyde	146	C9H6O2	004265-16-1	53





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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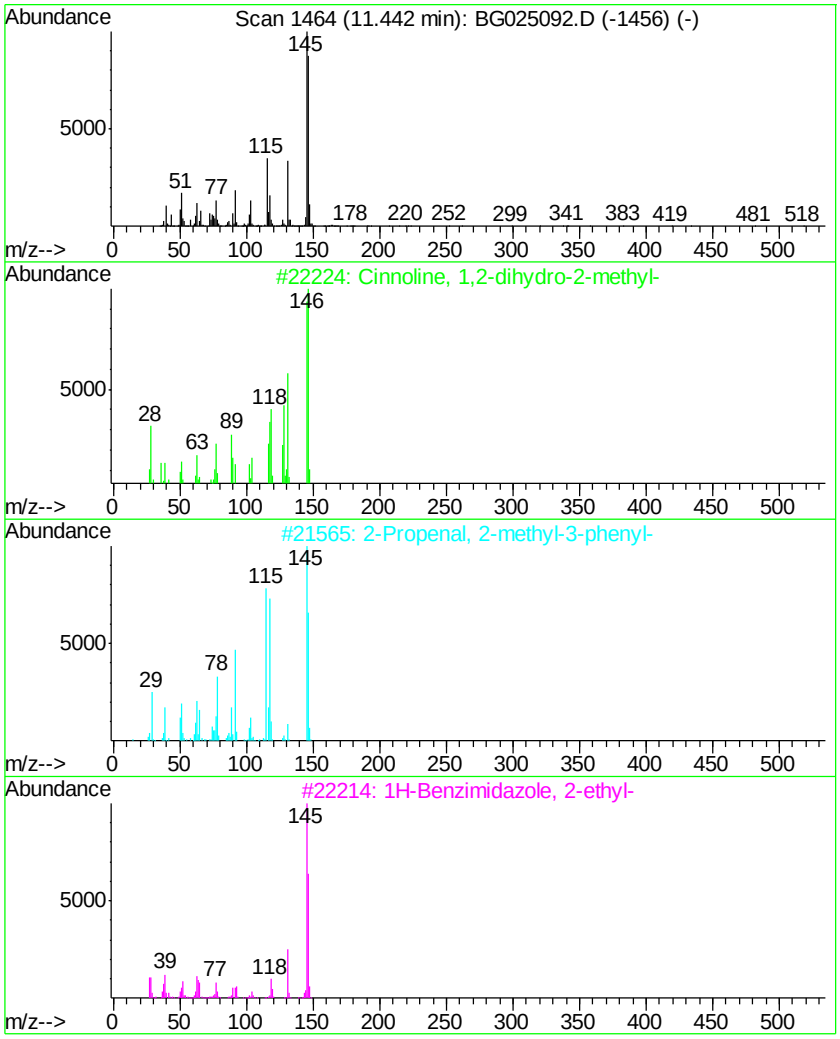
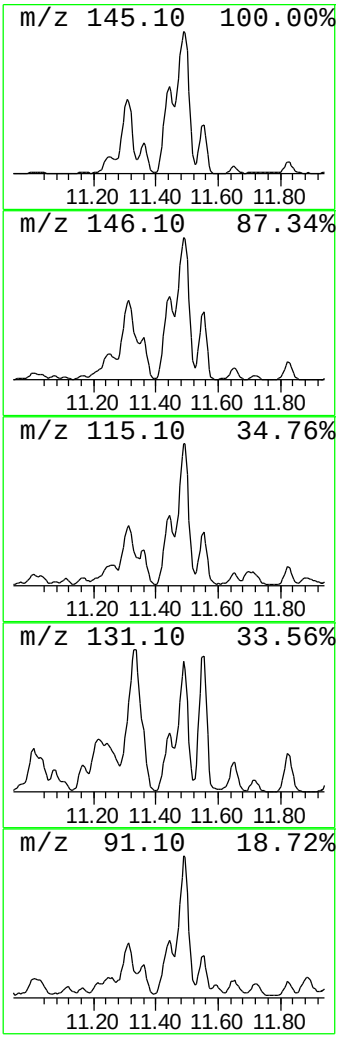
Peak Number 12 Cinnoline, 1,2-dihydro-2-me... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	26.85 ng/ul	16317900	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	74
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	74
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
4	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
5	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	64





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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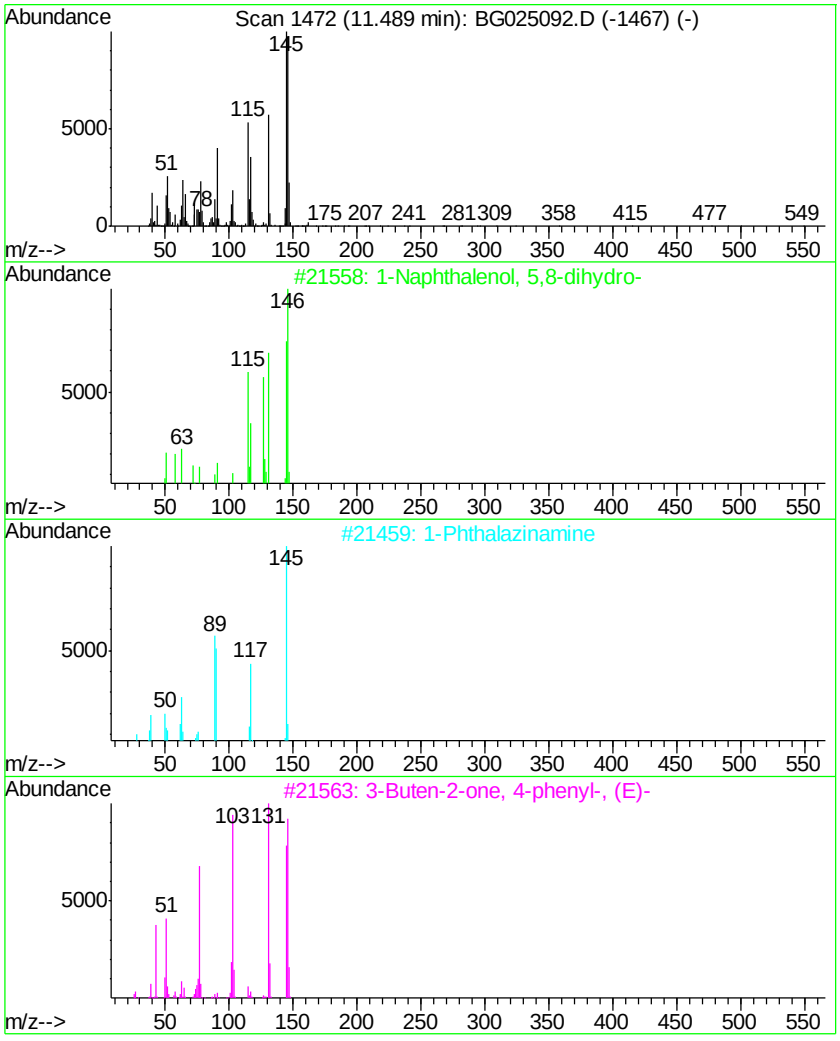
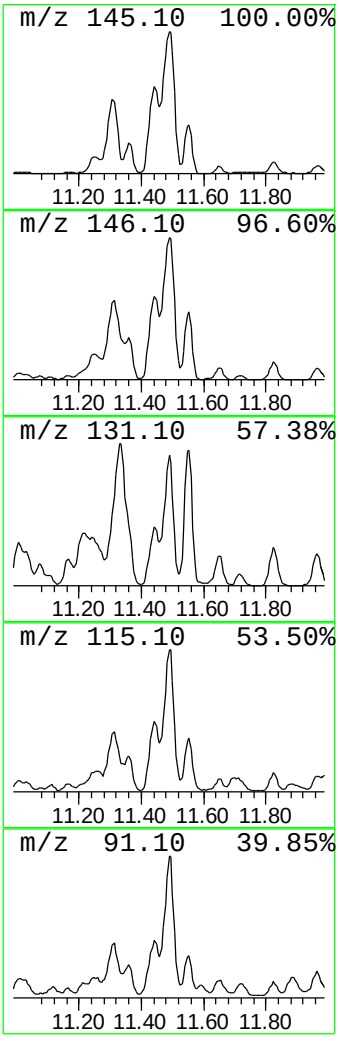
Peak Number 13 1-Naphthalenol, 5,8-dihydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	50.66 ng/ul	30780400	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	70
2	1-Phthalazinamine	145	C8H7N3	019064-69-8	62
3	3-Buten-2-one, 4-phenyl-, (E)-	146	C10H10O	001896-62-4	58
4	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	52
5	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	50





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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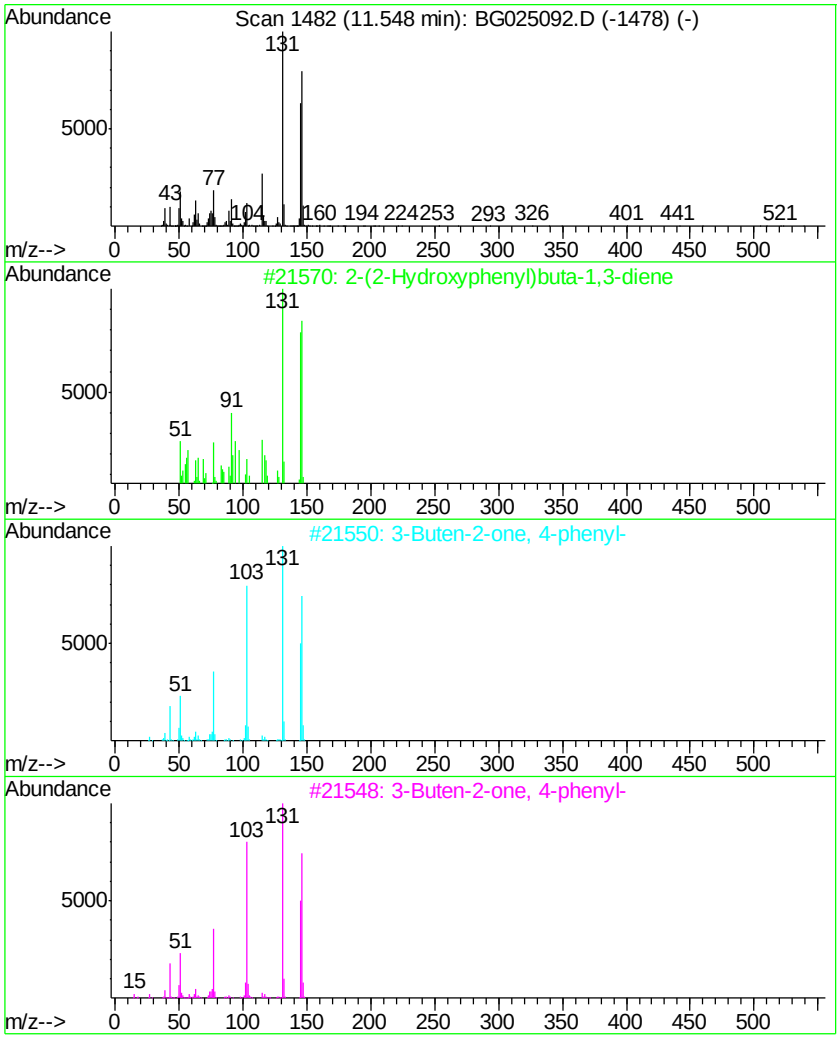
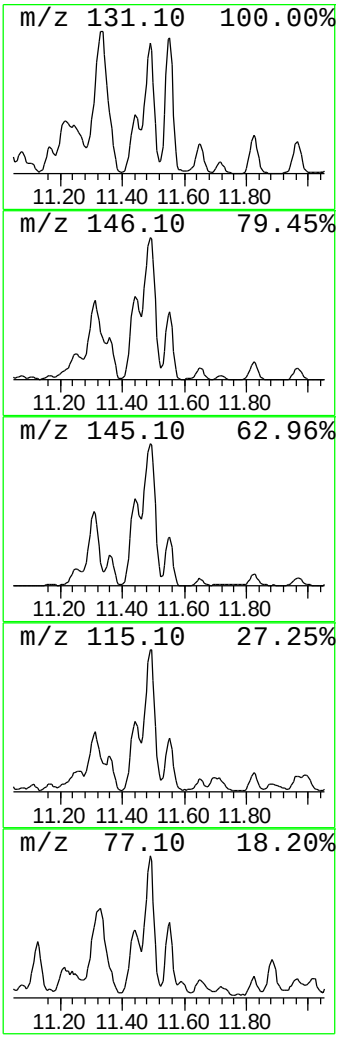
Peak Number 14 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	14.91 ng/ul	9061270	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	90
2	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	81
3	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	81
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	80
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	80





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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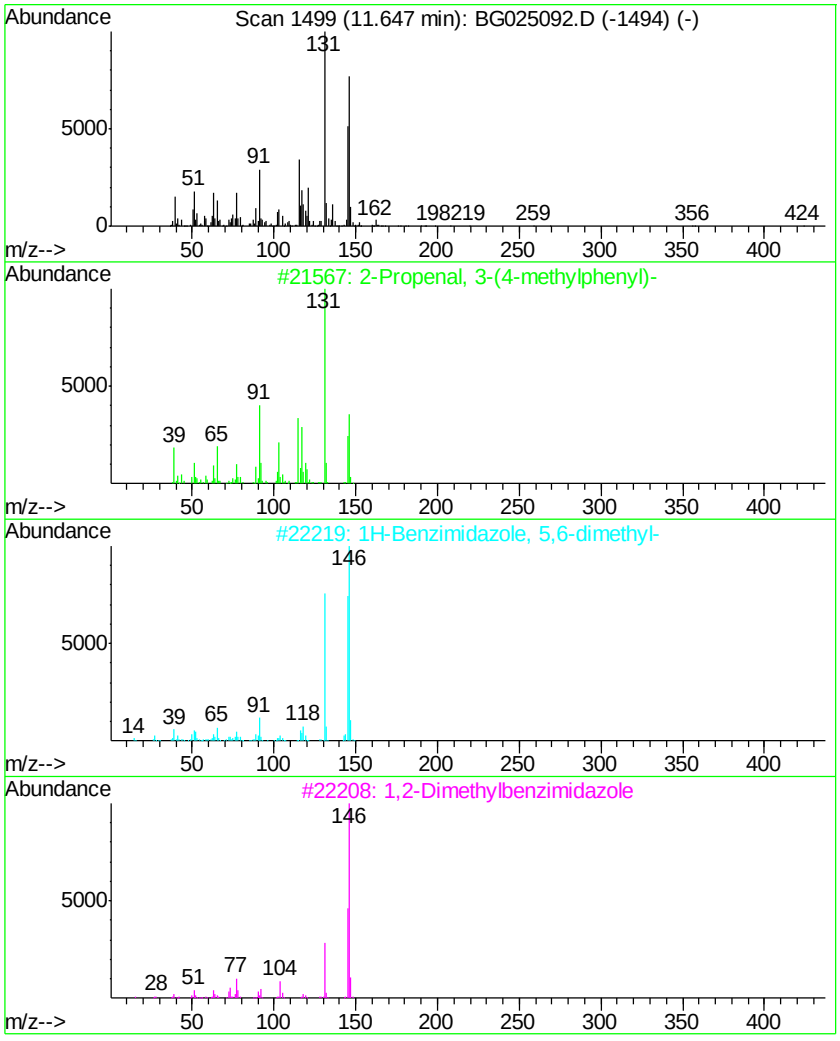
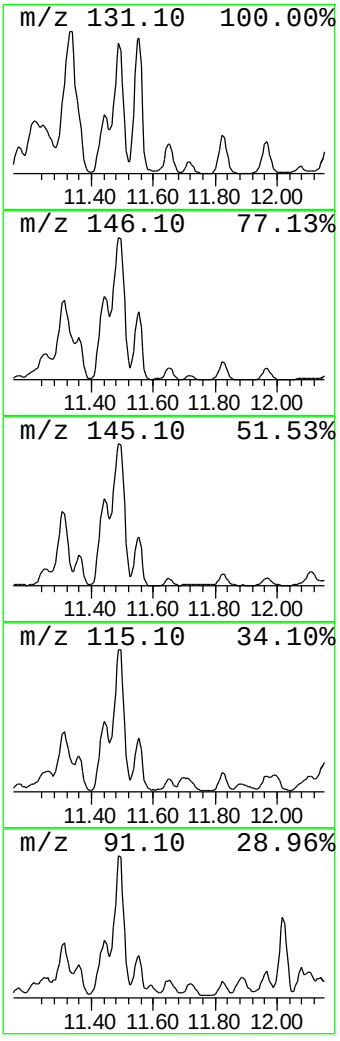
Peak Number 15 2-Propenal, 3-(4-methylphen... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	4.63 ng/ul	2815290	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	87
2	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	87
3	1,2-Dimethylbenzimidazole	146	C9H10N2	002876-08-6	74
4	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	74
5	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	74





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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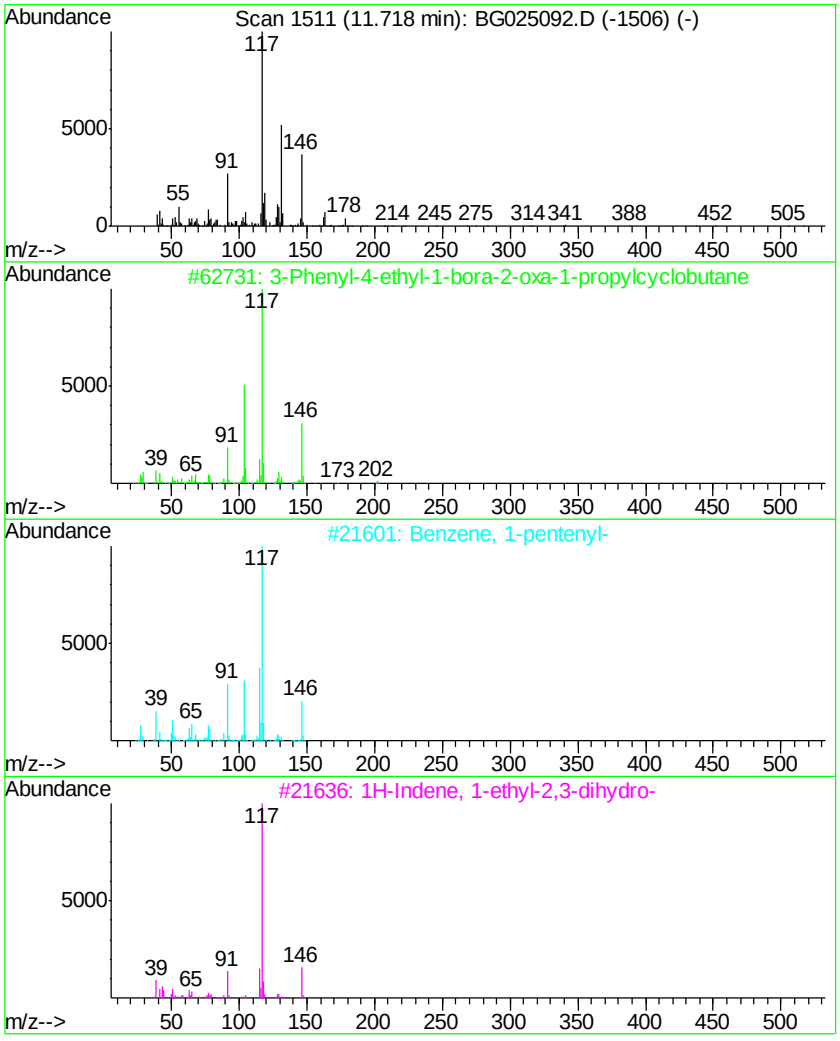
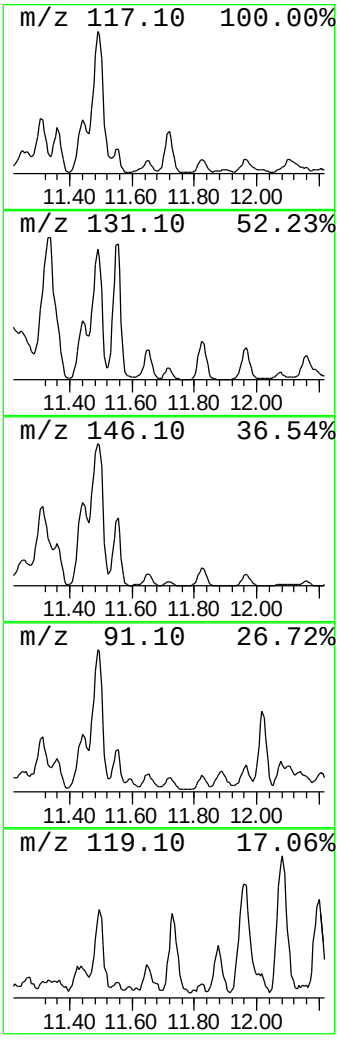
Peak Number 16 3-Phenyl-4-ethyl-1-bora-2-o... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	4.28 ng/ul	2599410	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-4-ethyl-1-bora-2-oxa-1-...	202	C13H19BO	1000062-26-2	50
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	47
3	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	43
4	Silane, [[(3.alpha.,5.beta.,20S)...	464	C27H52O2Si2	016134-56-8	38
5	3-Penten-2-one, 5-phenyl-	160	C11H12O	010521-97-8	38





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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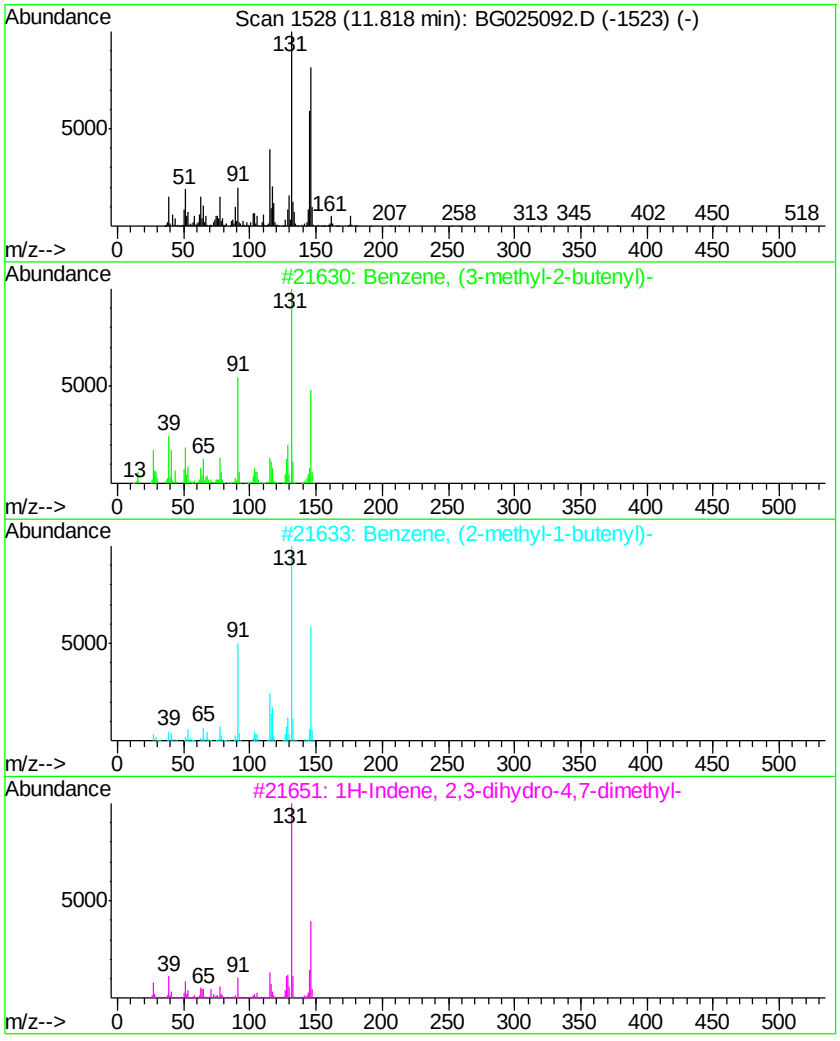
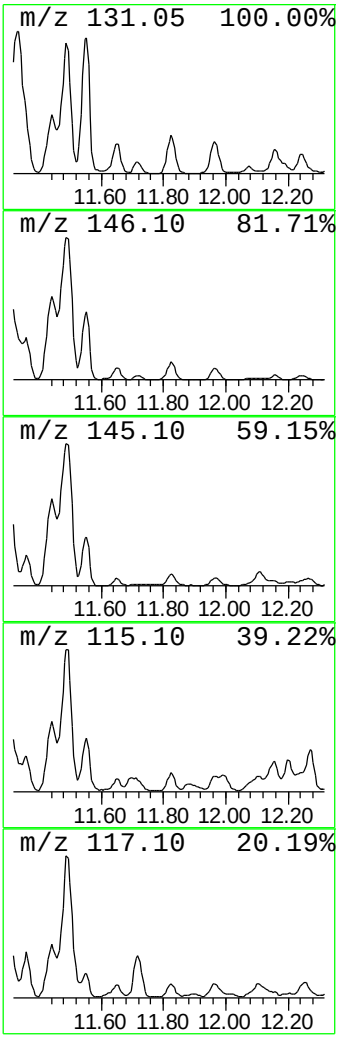
Peak Number 17 Benzene, (3-methyl-2-butenyl)- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.11 ng/ul	3711370	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
4	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	76
5	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	72





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Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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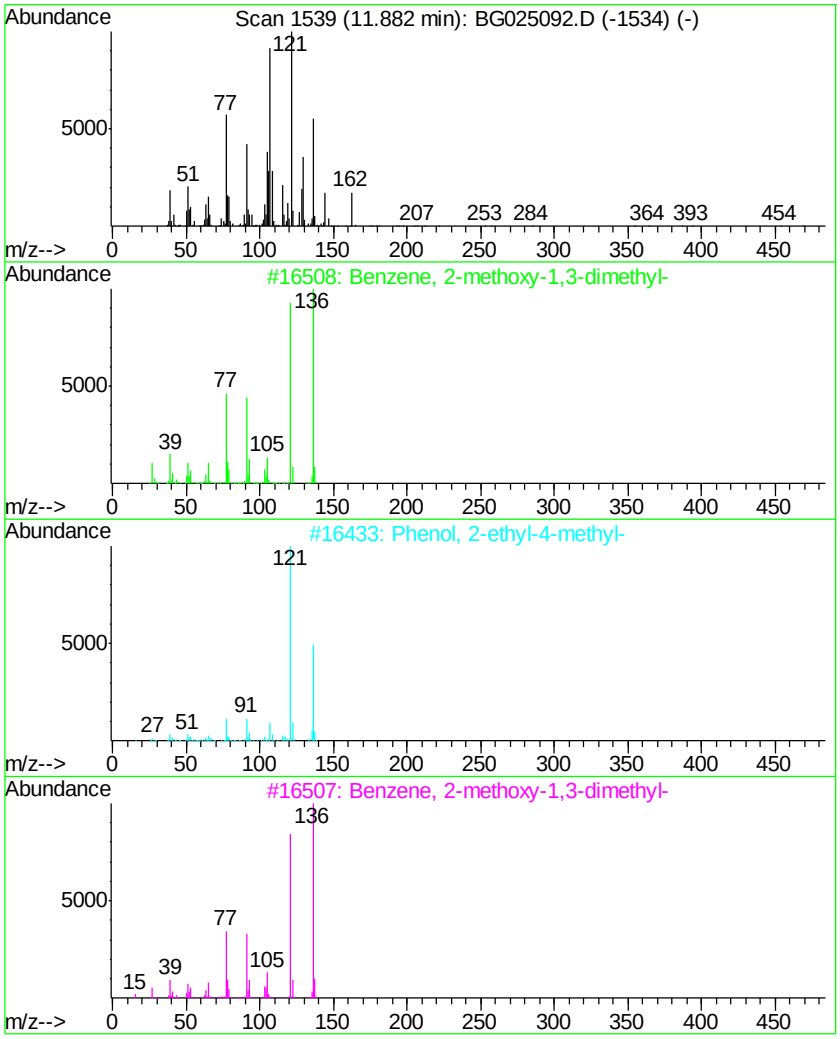
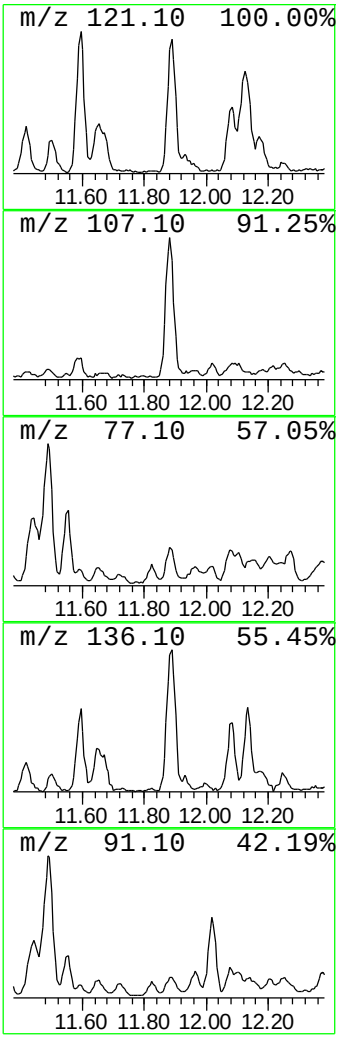
Peak Number 18 unknown-02 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.56 ng/ul	2773190	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-methoxy-1,3-dimethyl-	136	C9H12O	001004-66-6	46
2	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	45
3	Benzene, 2-methoxy-1,3-dimethyl-	136	C9H12O	001004-66-6	43
4	1,3-Cyclopentadiene, 1,2,3,4,5-p...	136	C10H16	004045-44-7	42
5	2,4,6-Octatriene, 2,6-dimethyl-	136	C10H16	000673-84-7	38





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Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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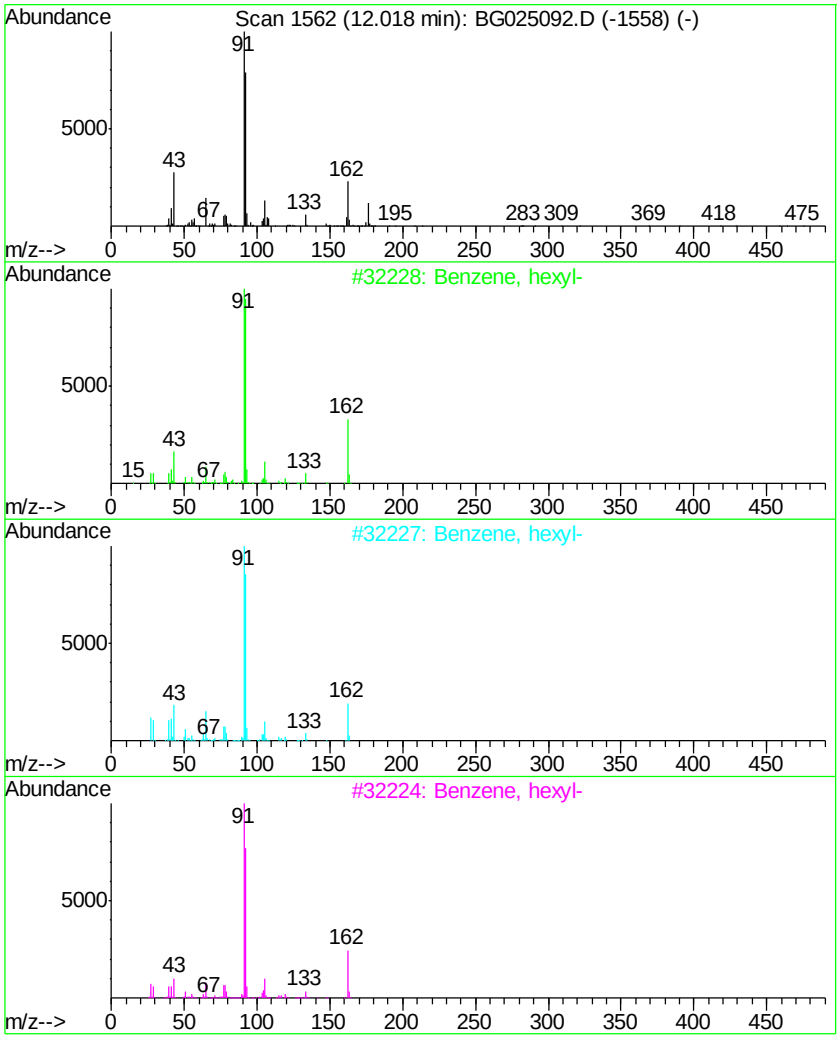
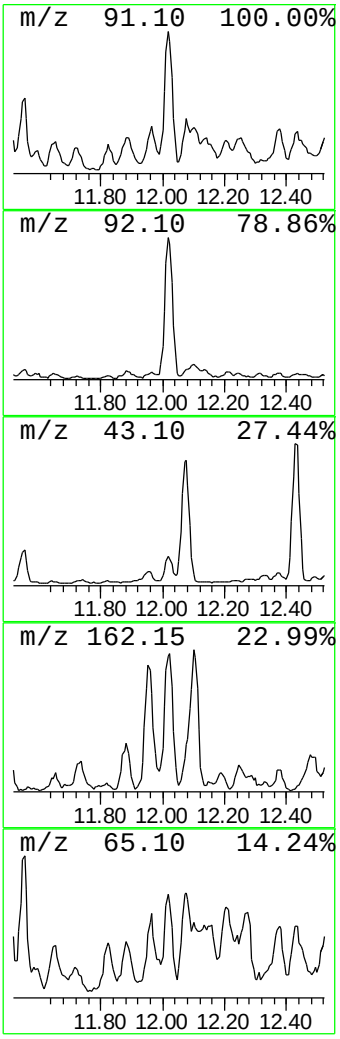
Peak Number 20 Benzene, hexyl- Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.32 ng/ul	2626320	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, hexyl-	162	C12H18	001077-16-3	87
2	Benzene, hexyl-	162	C12H18	001077-16-3	87
3	Benzene, hexyl-	162	C12H18	001077-16-3	87
4	Benzene, hexyl-	162	C12H18	001077-16-3	80
5	Benzene, heptyl-	176	C13H20	001078-71-3	64





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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

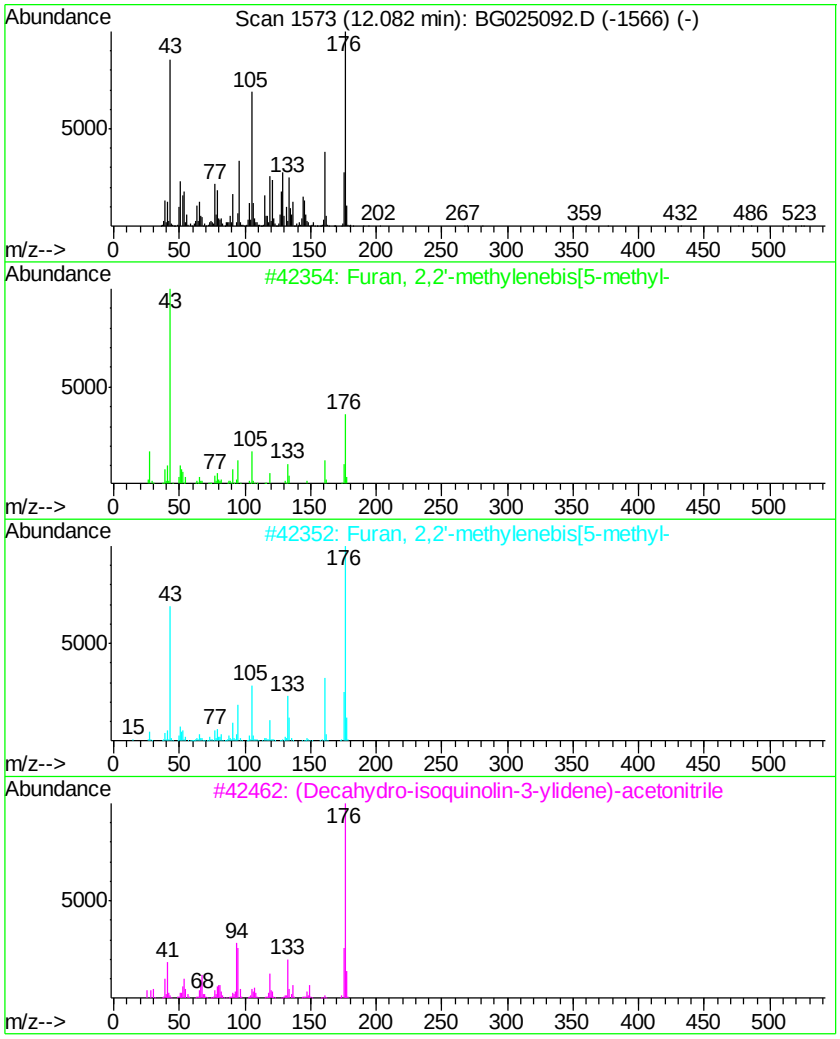
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

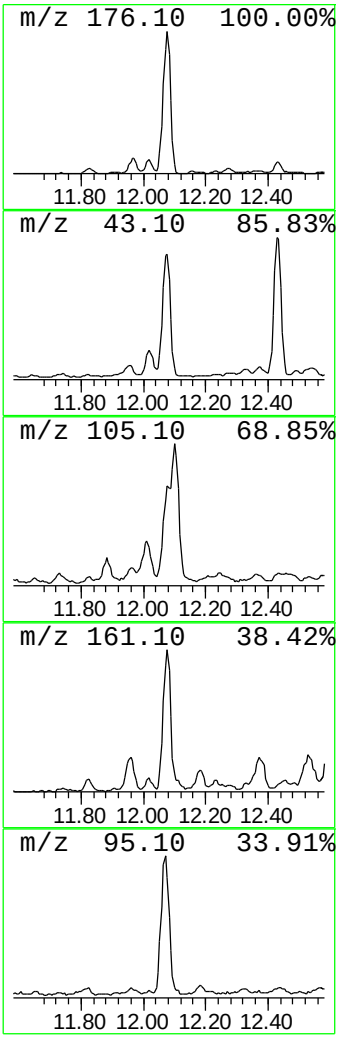
****

Peak Number 21 Furan, 2,2'-methylenebis[5-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	16.87 ng/ul	10251700	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,2'-methylenebis[5-methyl-	176	C11H12O2	013679-43-1	68
2	Furan, 2,2'-methylenebis[5-methyl-	176	C11H12O2	013679-43-1	64
3	(Decahydro-isoquinolin-3-ylidene...	176	C11H16N2	1000185-70-0	53
4	4,2,7-Ethanylylidenecyclopenta[b...	176	C11H12O2	070220-97-2	45
5	1,4,5,7-Tetramethyl-furo[3,4-d]p...	176	C10H12N2O	1000301-21-7	43





Library Search Compound Report

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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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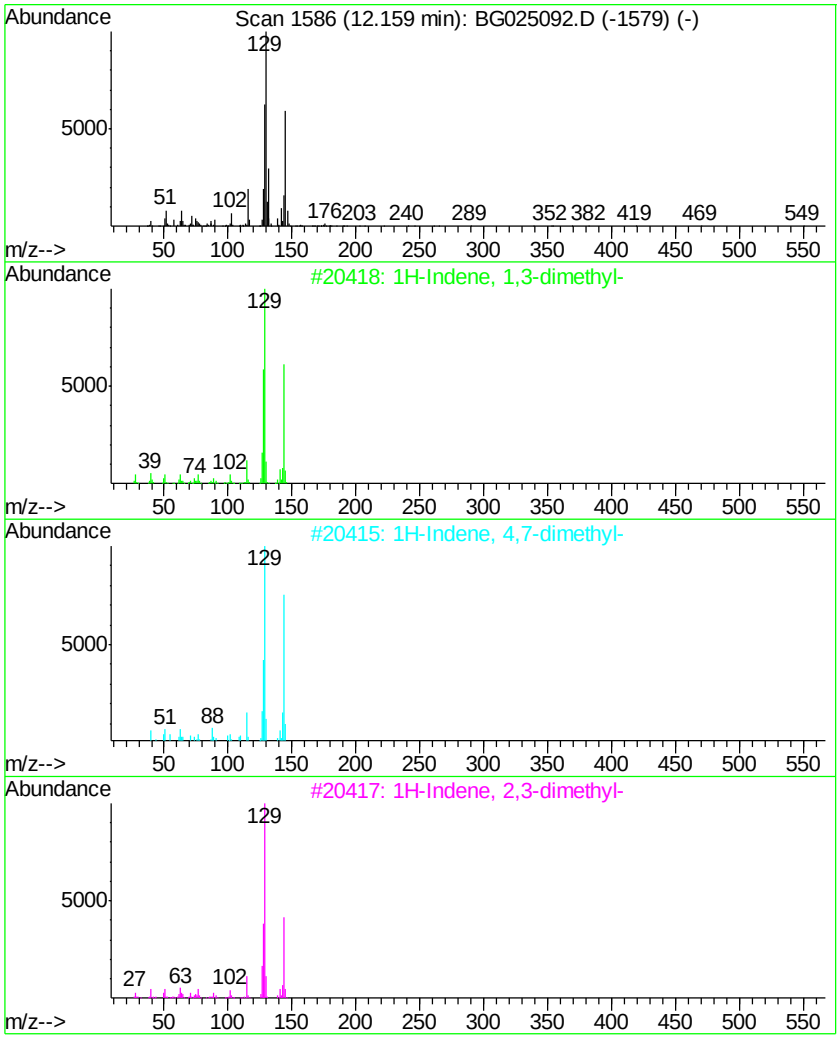
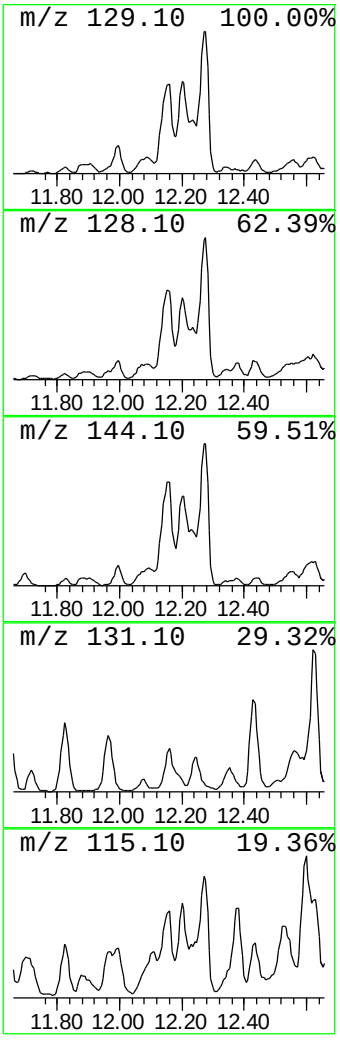
Peak Number 22 1H-Indene, 1,3-dimethyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	6.43 ng/ul	3905700	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	93
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	90
4	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	87
5	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	87





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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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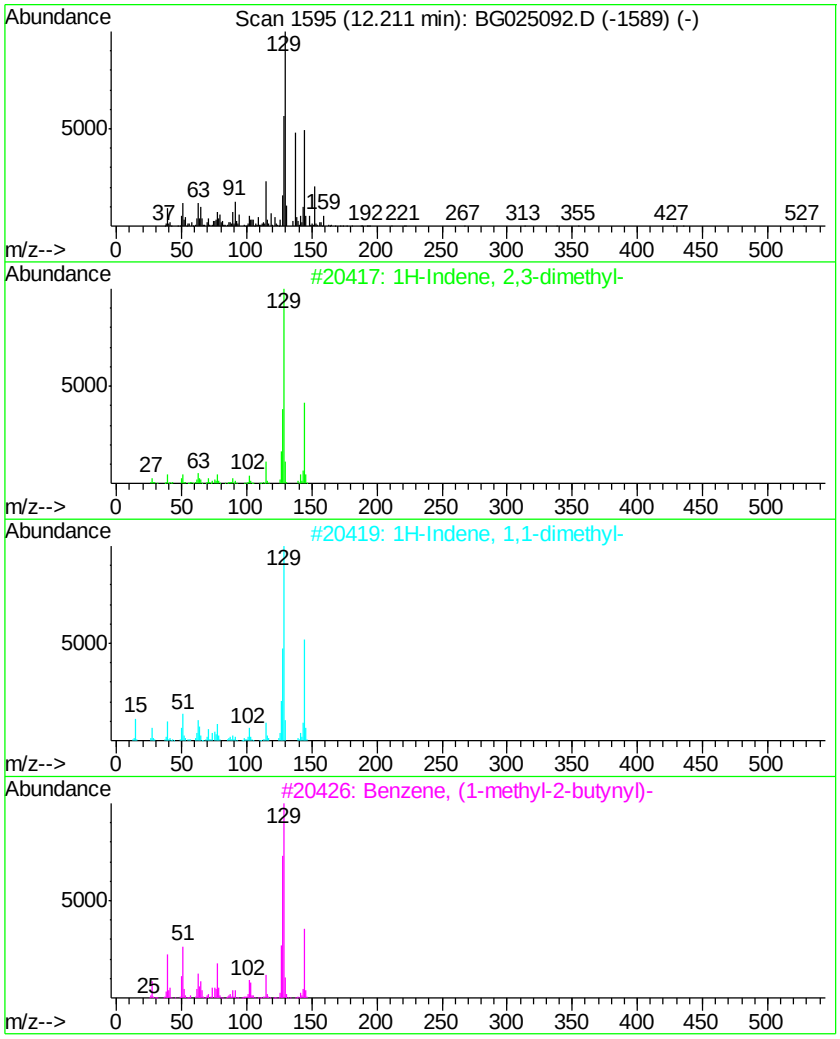
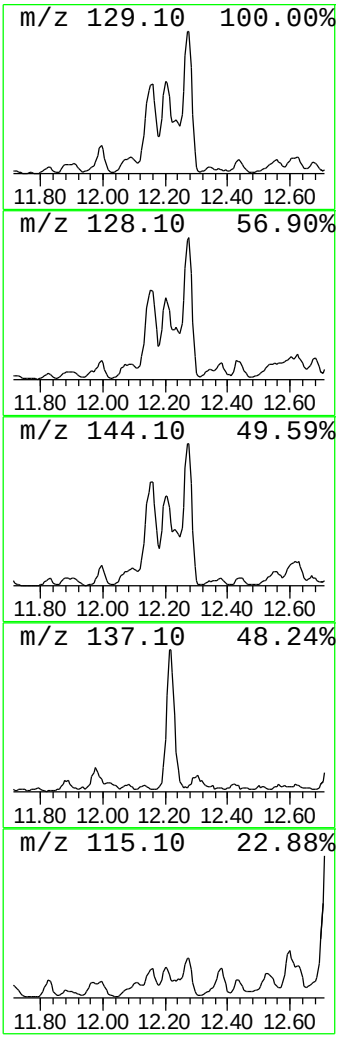
Peak Number 23 1H-Indene, 2,3-dimethyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	5.99 ng/ul	3640820	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	95
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	89
3	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	76
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	76
5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	76





Library Search Compound Report

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Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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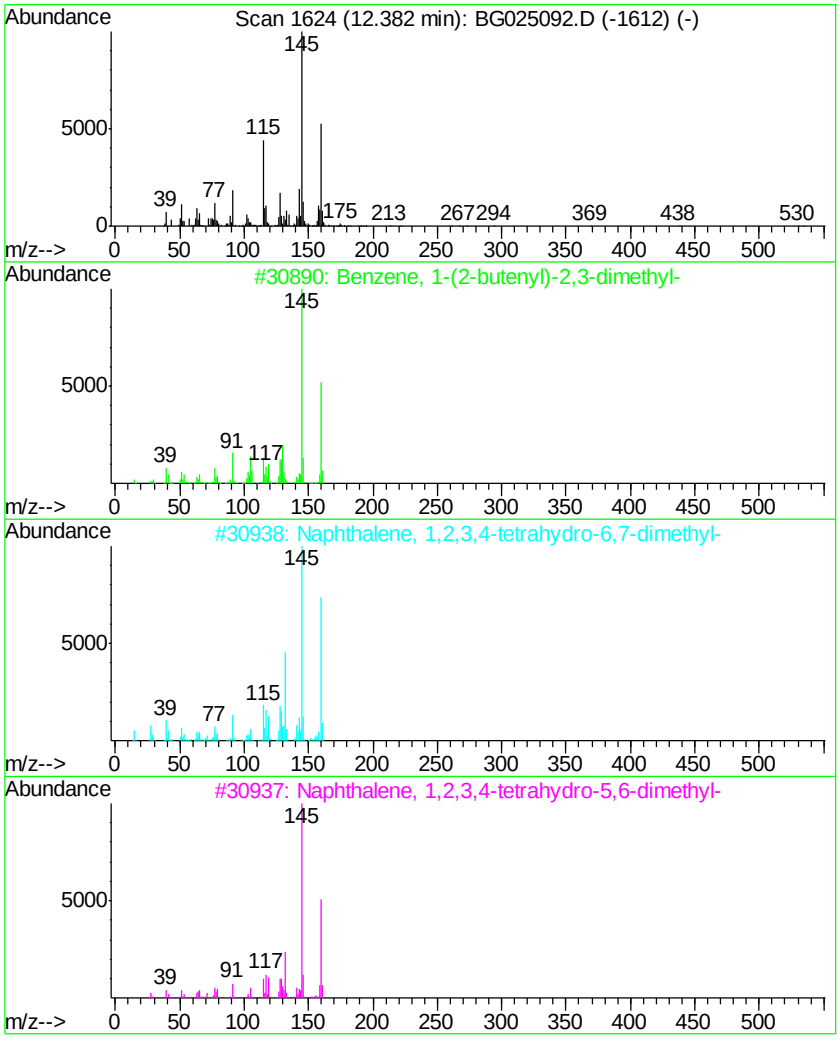
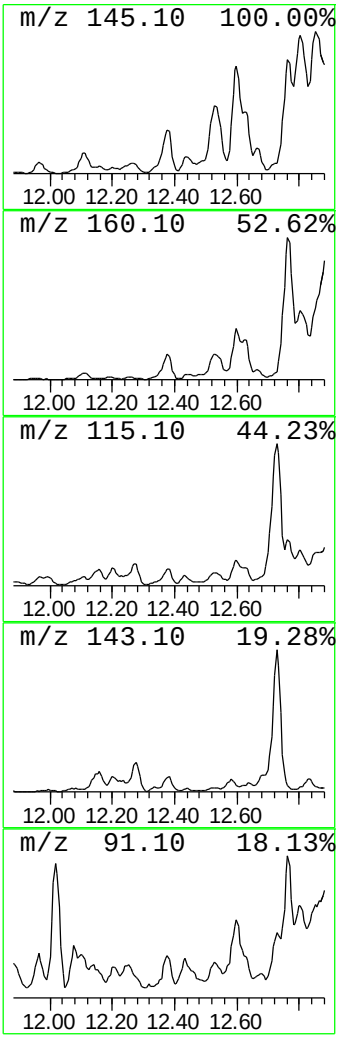
Peak Number 25 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	10.06 ng/ul	6110260	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	70
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64





Library Search Compound Report

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Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

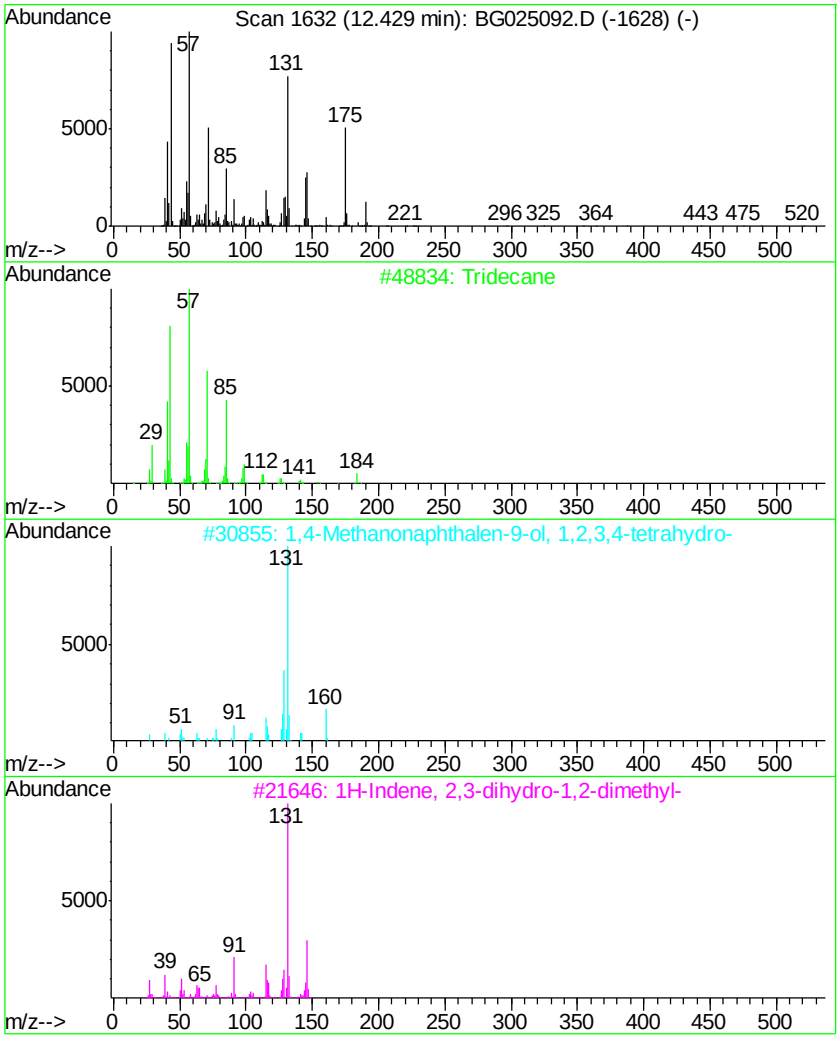
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

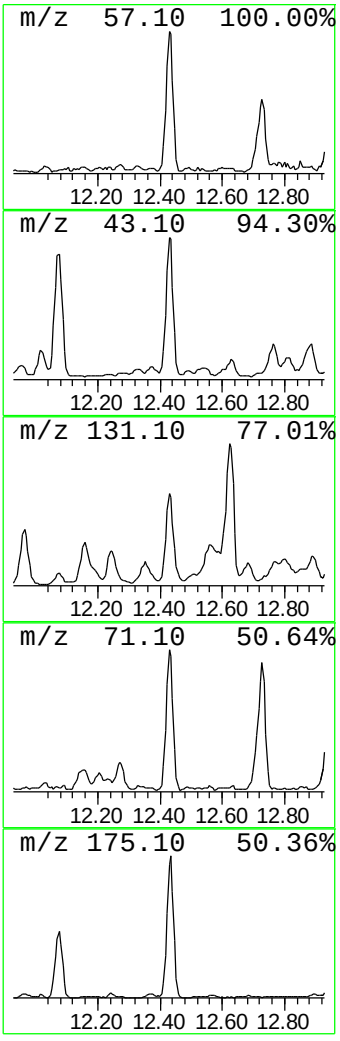
****

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	13.21 ng/ul	8025850	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	55
2	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	46
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	45
4	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	45
5	Tridecane	184	C13H28	000629-50-5	44





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Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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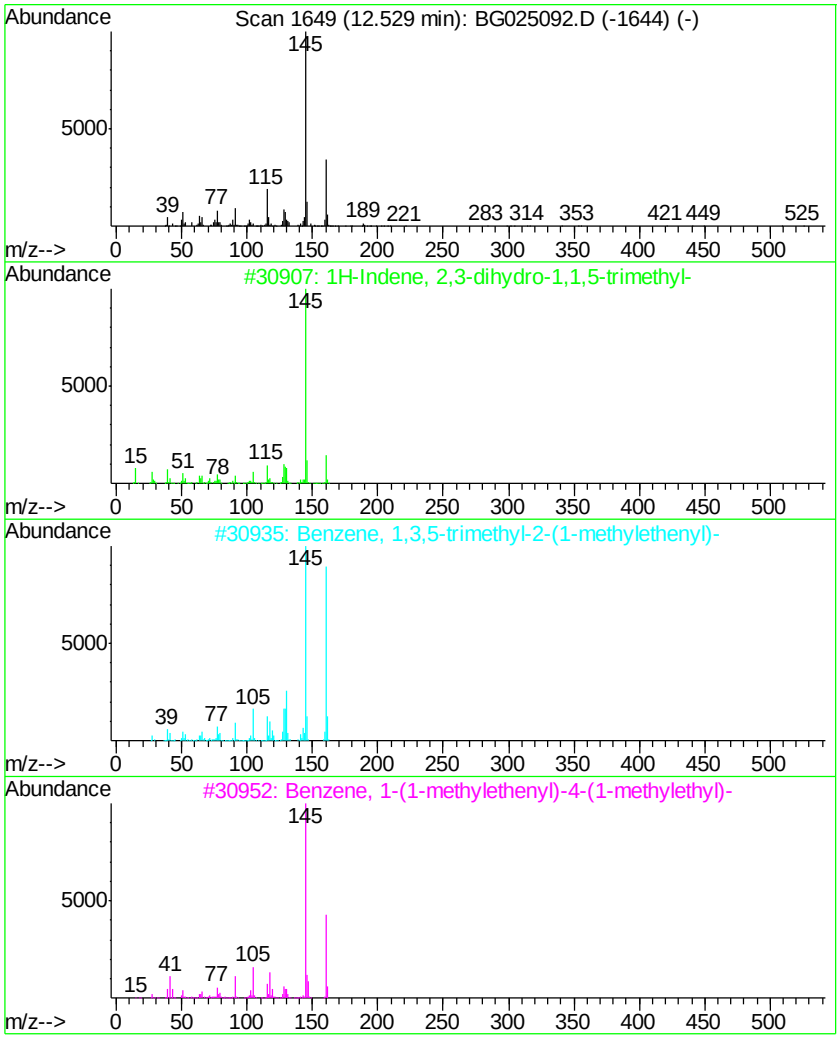
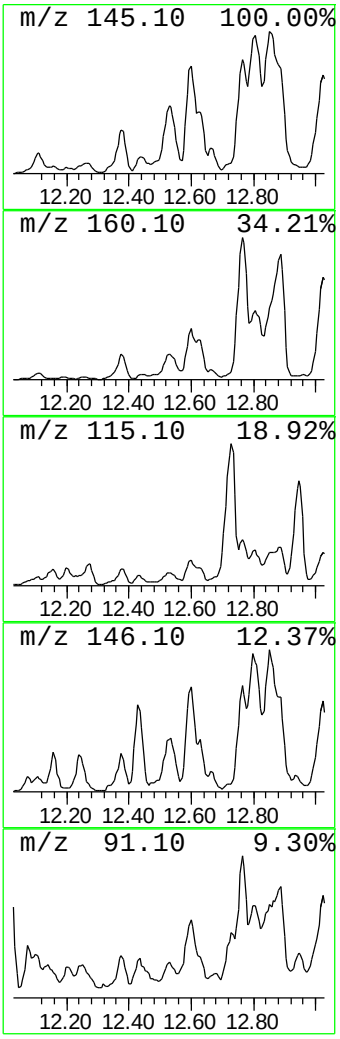
Peak Number 27 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	7.39 ng/ul	4490660	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	90
3	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	86
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	86





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Acq On : 11 Dec 2016 7:02
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Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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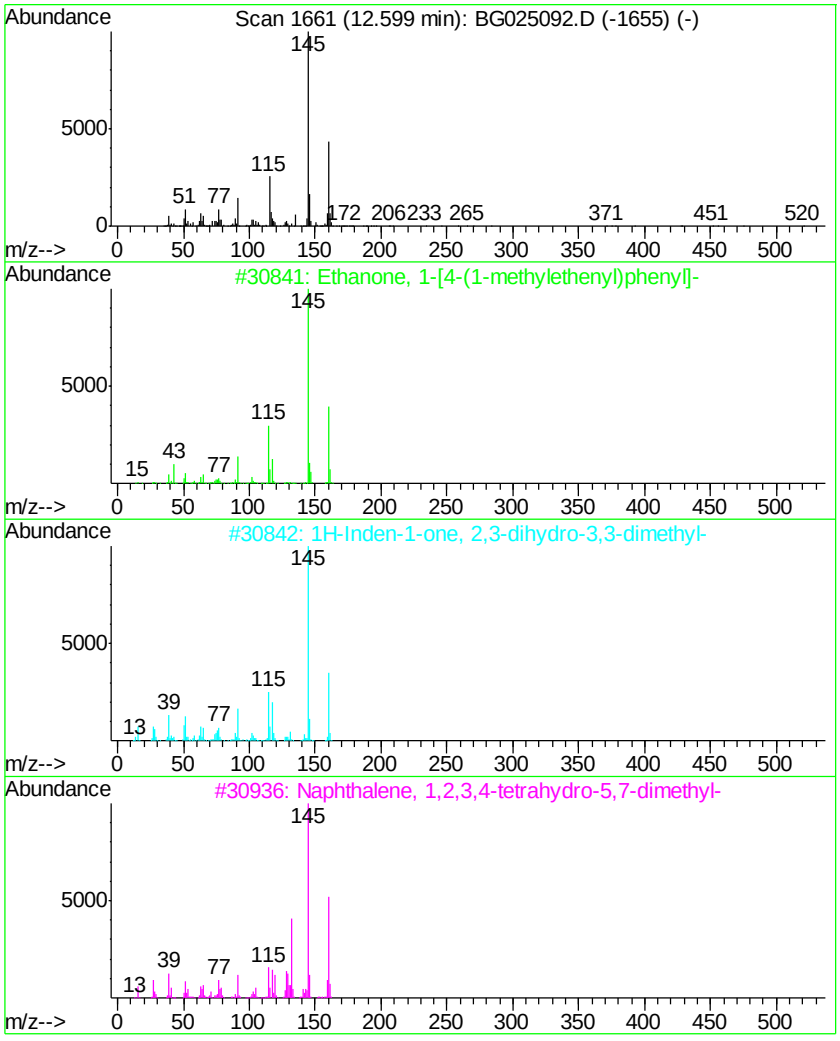
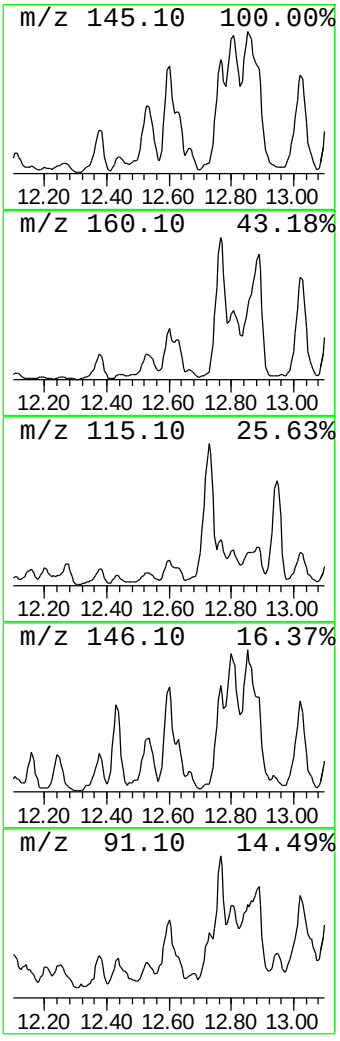
Peak Number 28 Ethanone, 1-[4-(1-methyleth... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	11.75 ng/ul	7138670	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	87
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	80
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	72
4	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	72
5	Silane, methyltripropynyl-	160	C10H12Si	1000158-62-1	72





Library Search Compound Report

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Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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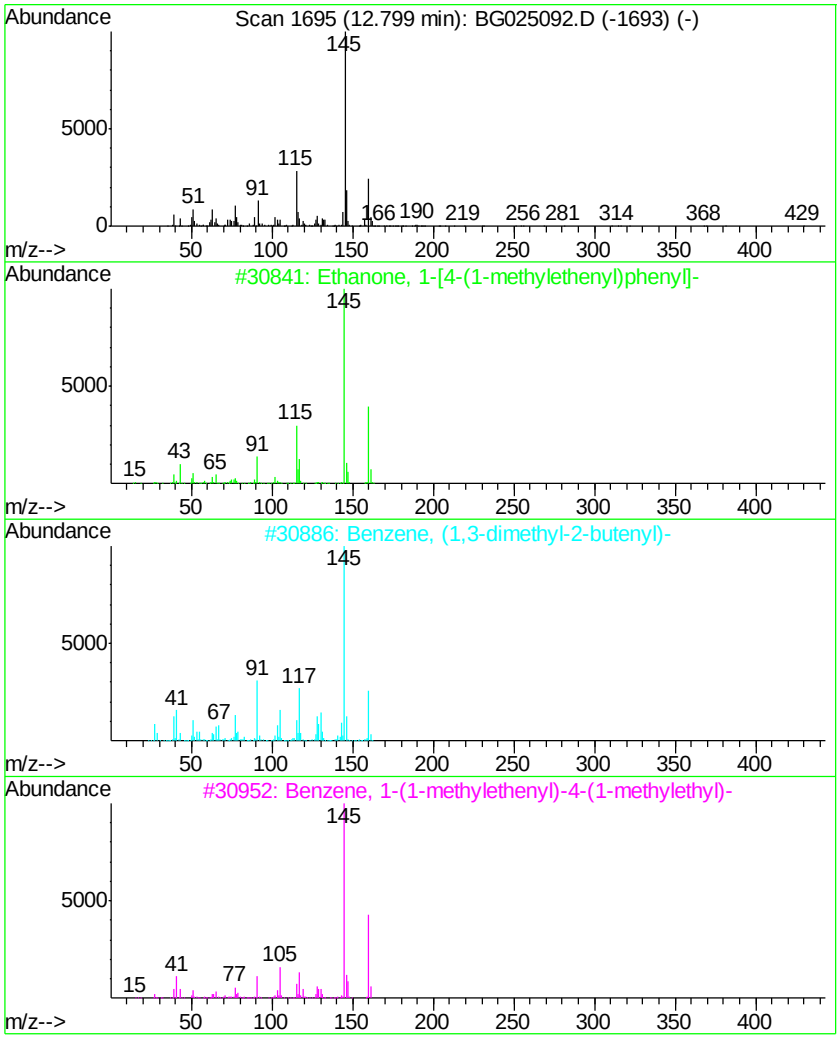
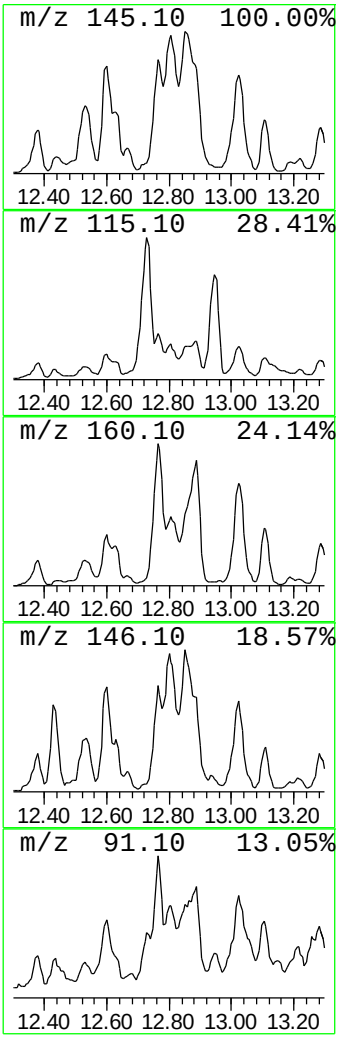
Peak Number 29 Benzene, (1,3-dimethyl-2-bu... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	15.34 ng/ul	9318810	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	68
2	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	59
3	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	53
4	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	53
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	53





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Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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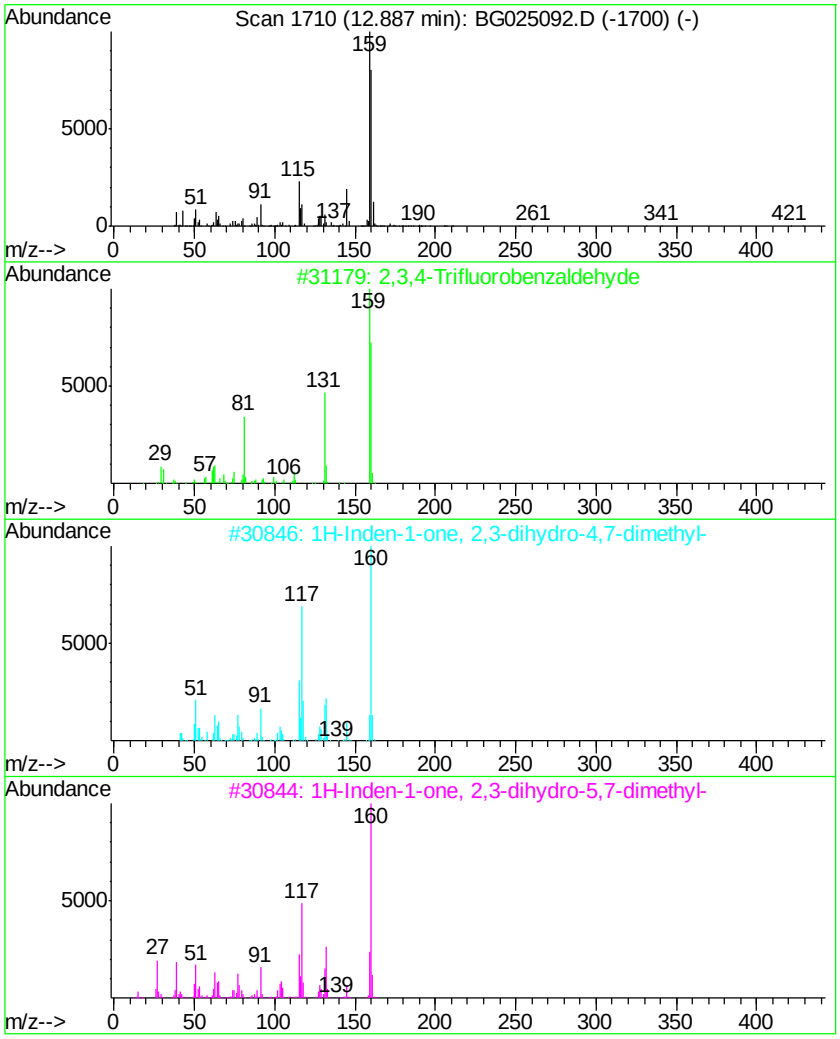
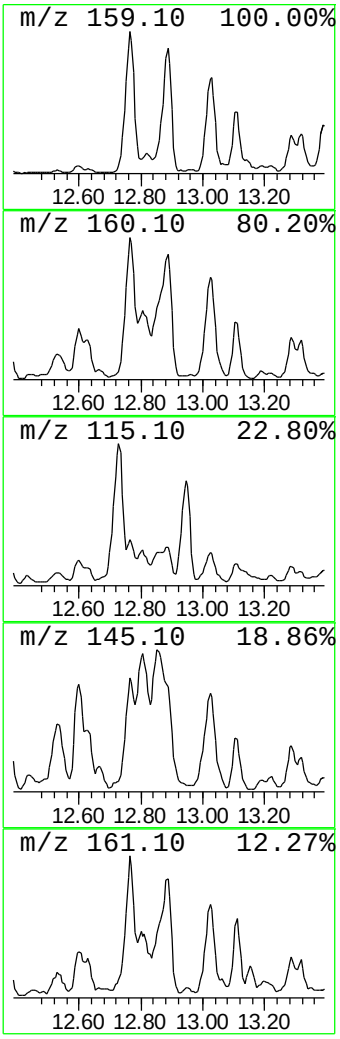
Peak Number 30 2,3,4-Trifluorobenzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	32.33 ng/ul	19643200	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4-Trifluorobenzaldehyde	160	C7H3F3O	161793-17-5	53
2	1H-Inden-1-one, 2,3-dihydro-4,7-...	160	C11H12O	005037-60-5	49
3	1H-Inden-1-one, 2,3-dihydro-5,7-...	160	C11H12O	006682-69-5	47
4	2-Naphthalenethiol	160	C10H8S	000091-60-1	46
5	Thiophene, 3-phenyl-	160	C10H8S	002404-87-7	43





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Acq On : 11 Dec 2016 7:02
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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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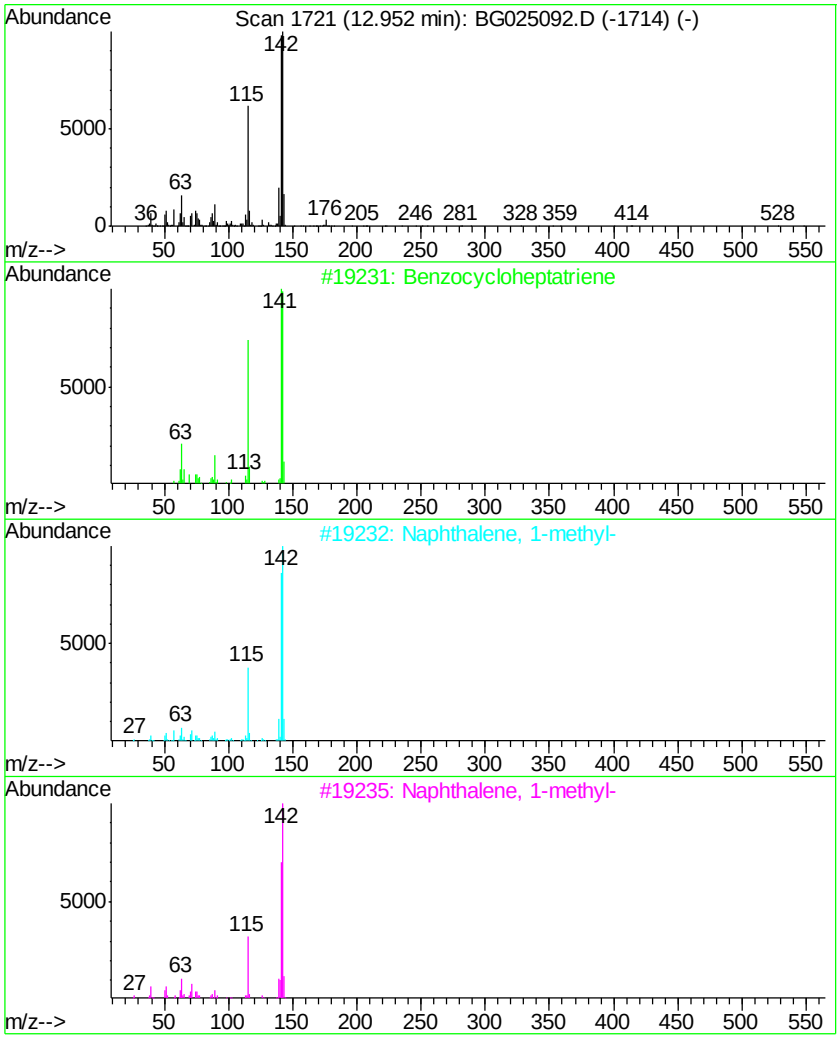
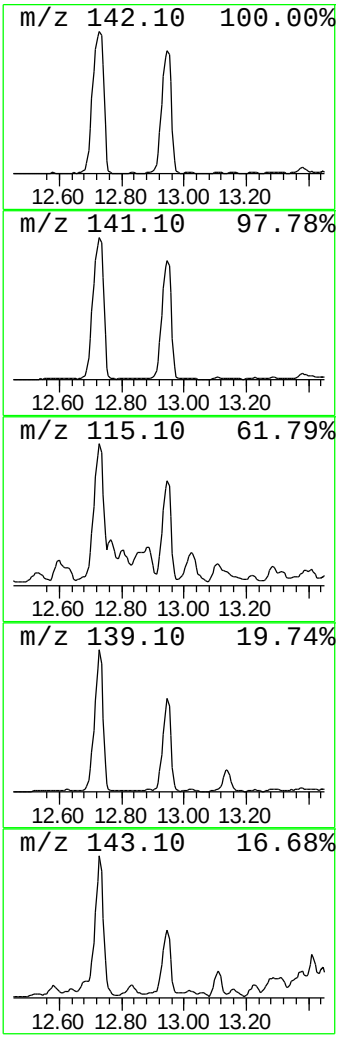
Peak Number 31 Benzocycloheptatriene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	32.65 ng/ul	19840000	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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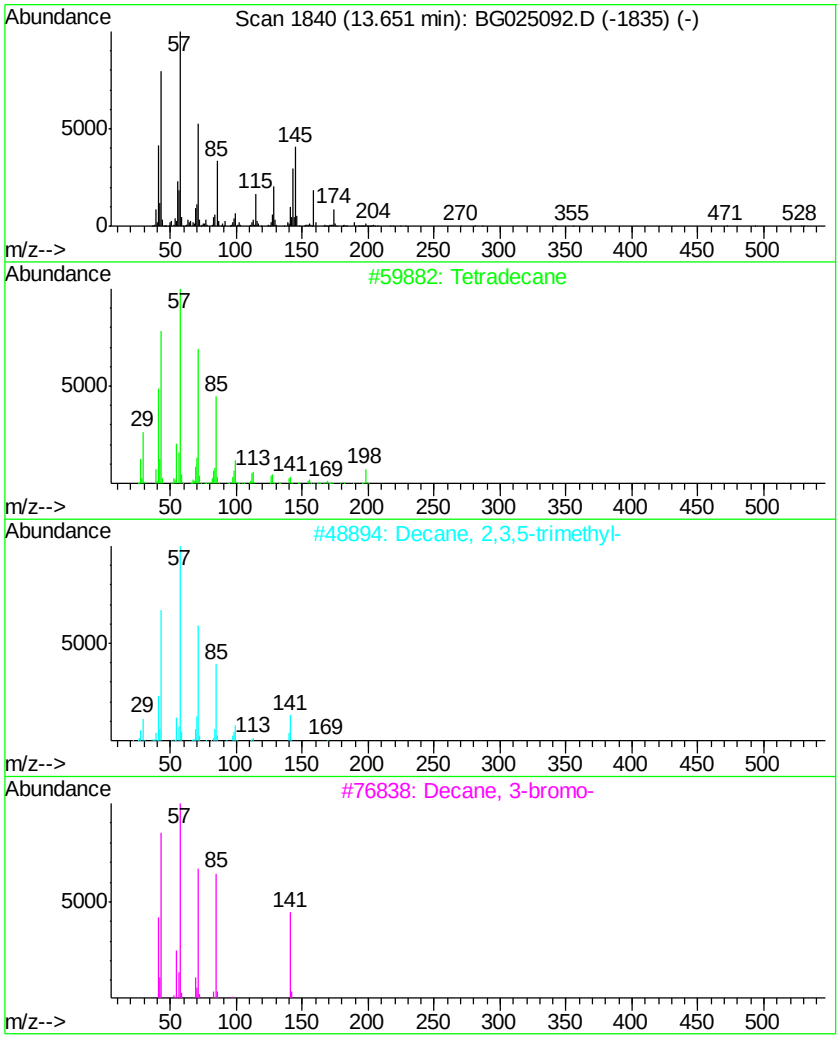
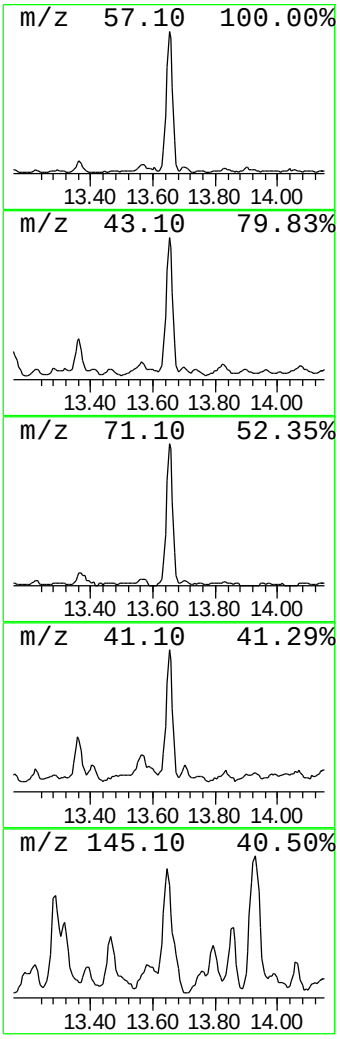
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	17.80 ng/ul	12604400	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	46
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	38
3	Decane, 3-bromo-	220	C10H21Br	030571-71-2	38
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	38
5	Decane, 3-methyl-	156	C11H24	013151-34-3	38





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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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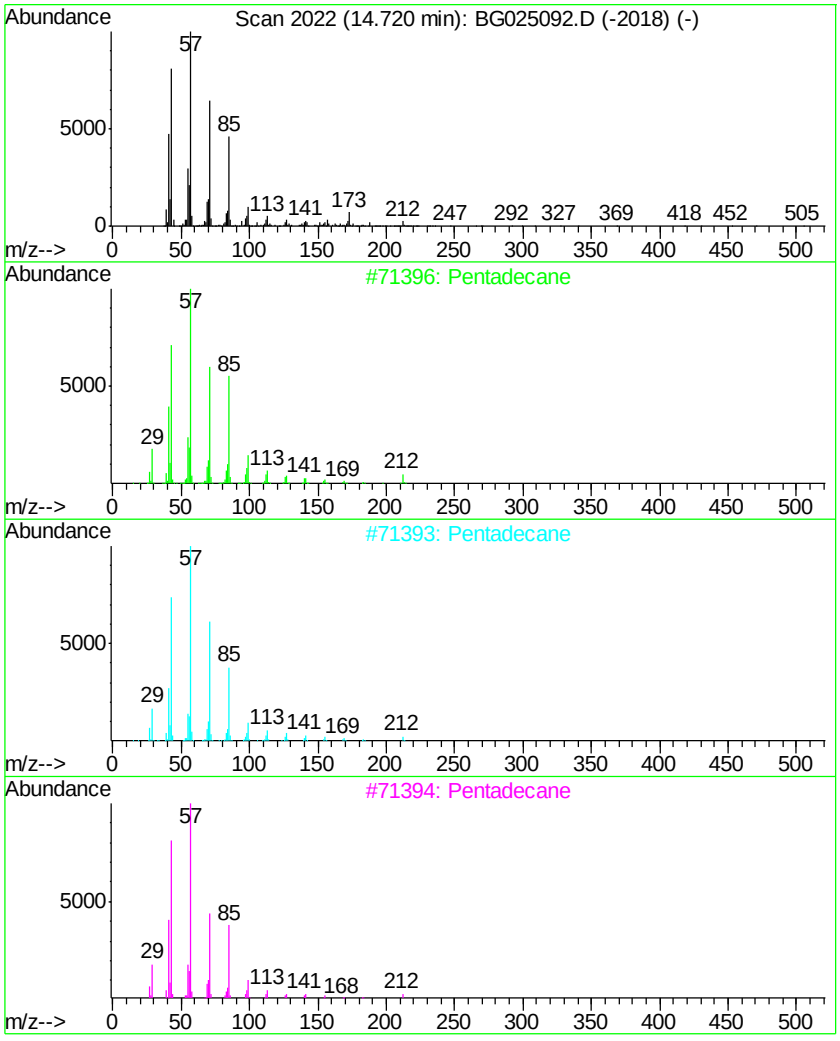
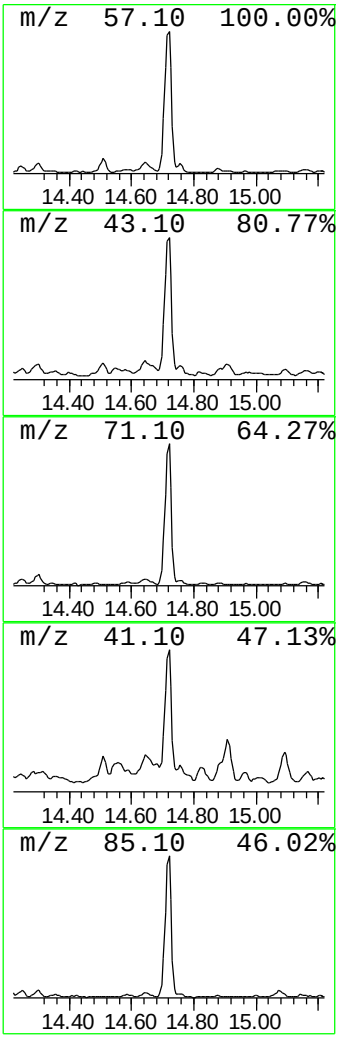
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	16.59 ng/ul	11746100	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Pentadecane	212	C15H32	000629-62-9	90
3	Pentadecane	212	C15H32	000629-62-9	87
4	Nonadecane	268	C19H40	000629-92-5	83
5	Hexadecane	226	C16H34	000544-76-3	83





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Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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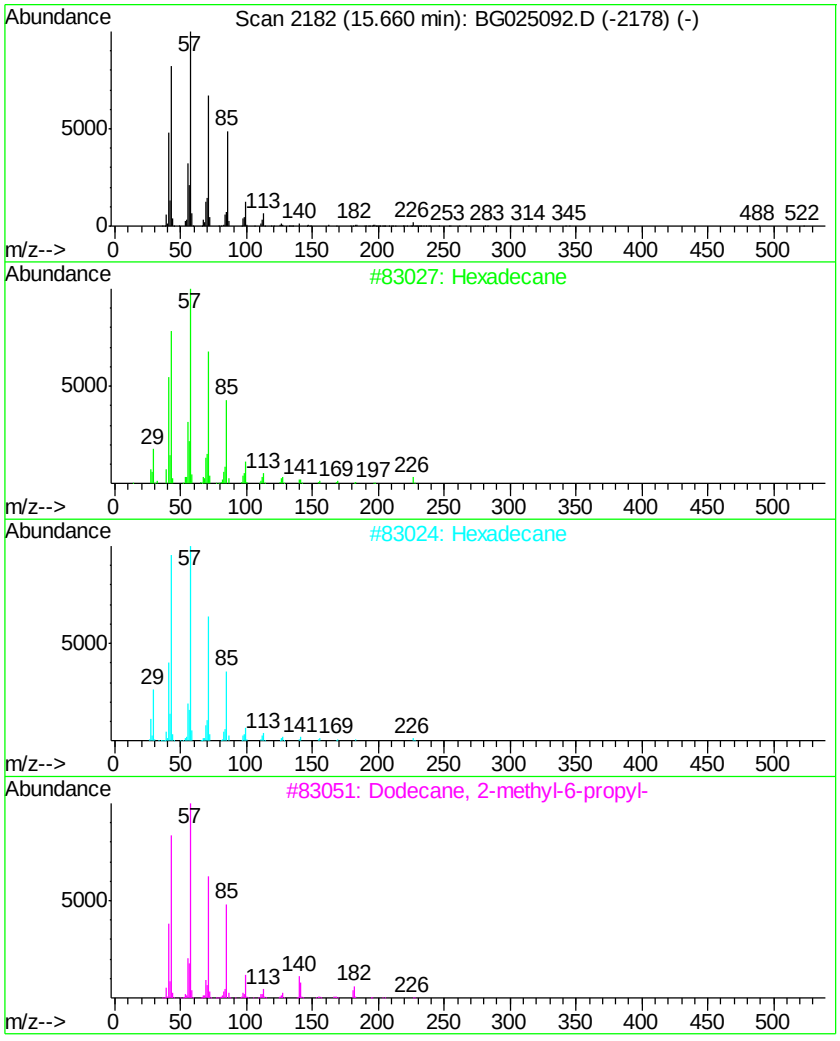
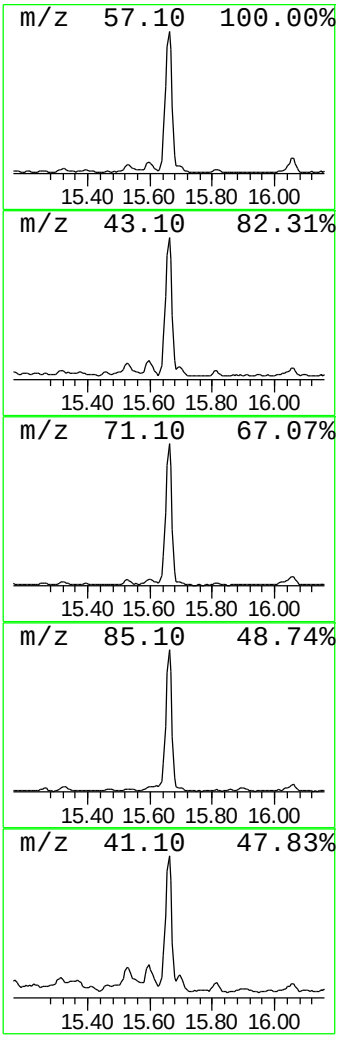
Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	28.81 ng/ul	20399800	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Heptadecane	240	C17H36	000629-78-7	86





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Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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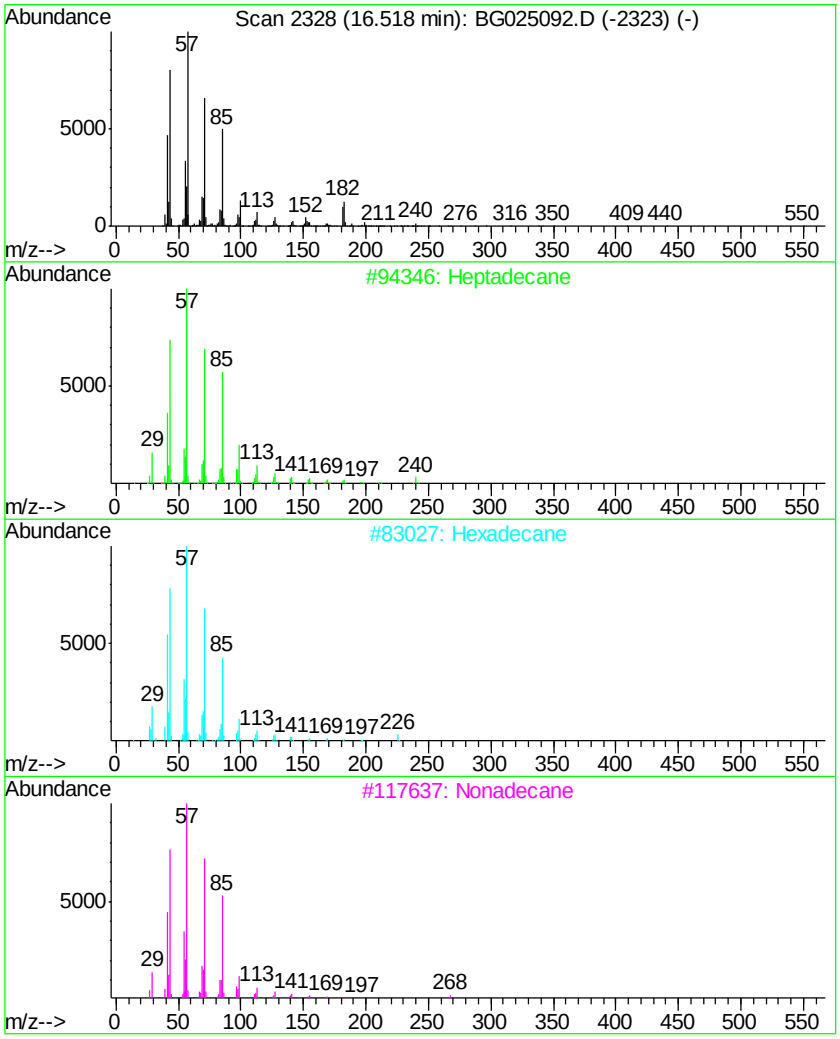
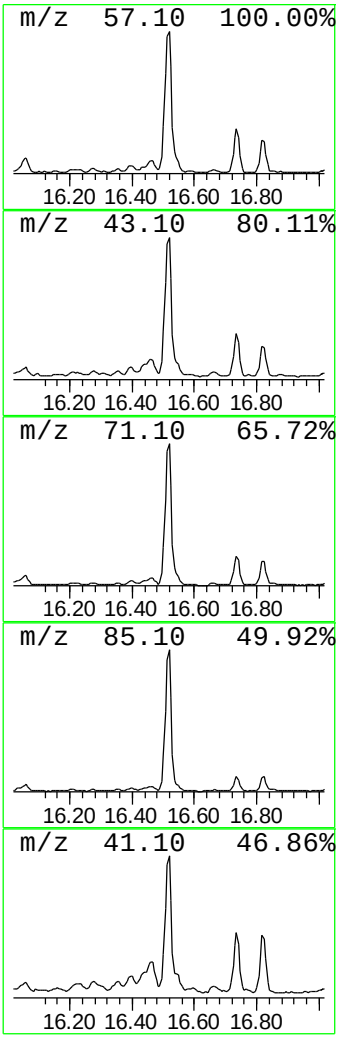
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	131.76 ng/ul	14861800	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Hexadecane	226	C16H34	000544-76-3	81
3	Nonadecane	268	C19H40	000629-92-5	74
4	Tridecane	184	C13H28	000629-50-5	72
5	Pentadecane	212	C15H32	000629-62-9	72





Library Search Compound Report

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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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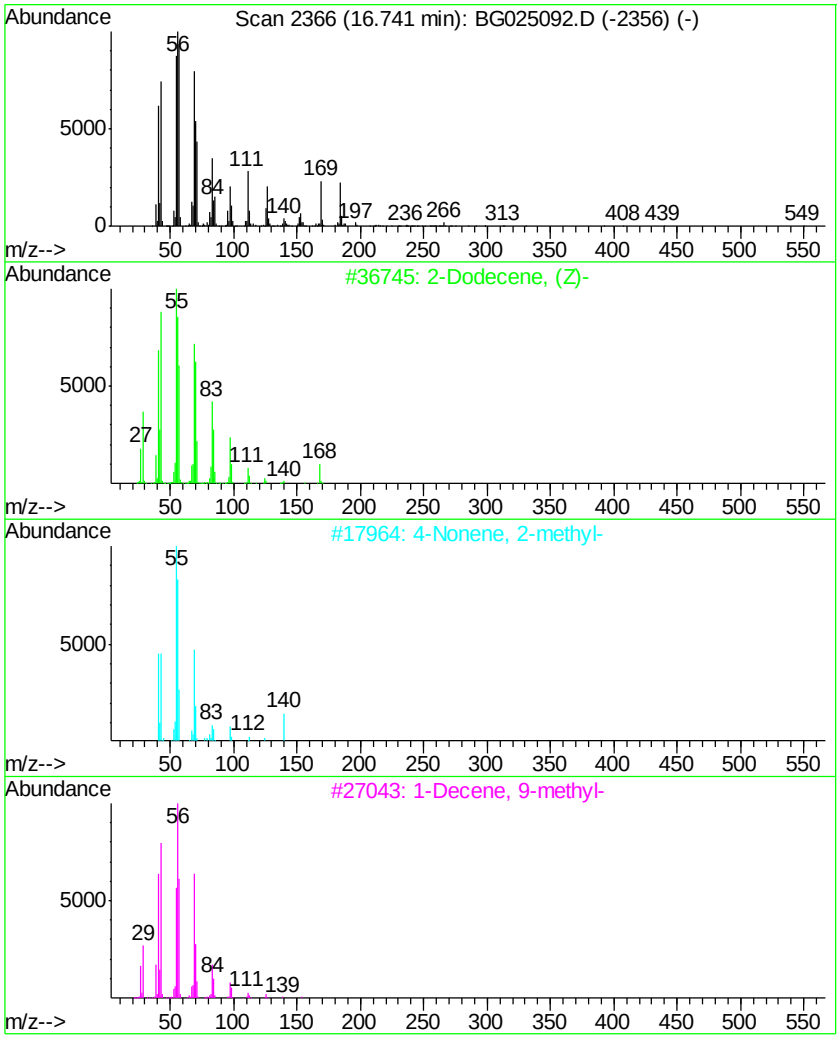
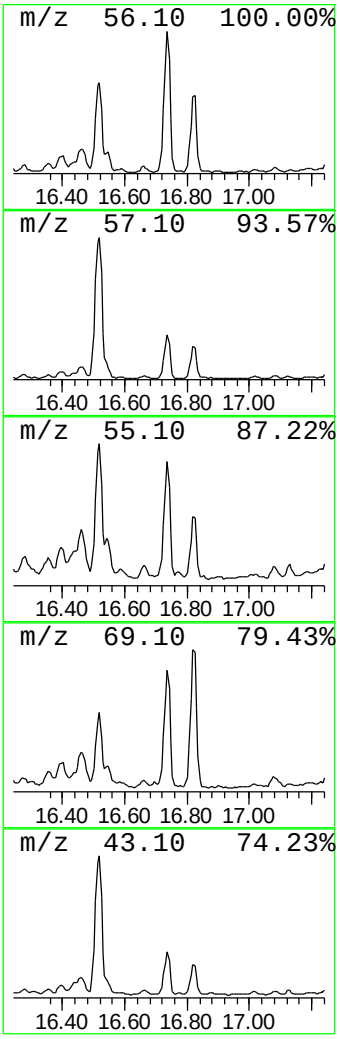
Peak Number 61 (DEL) Alkane: Cyclic16.74 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	74.77 ng/ul	8433510	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dodecene, (Z)-	168	C12H24	007206-26-0	64
2	4-Nonene, 2-methyl-	140	C10H20	055724-84-0	53
3	1-Decene, 9-methyl-	154	C11H22	061142-78-7	52
4	Cyclopentane, 3-hexyl-1,1-dimethyl-	182	C13H26	061142-65-2	52
5	1-Undecene, 5-methyl-	168	C12H24	074630-38-9	50





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Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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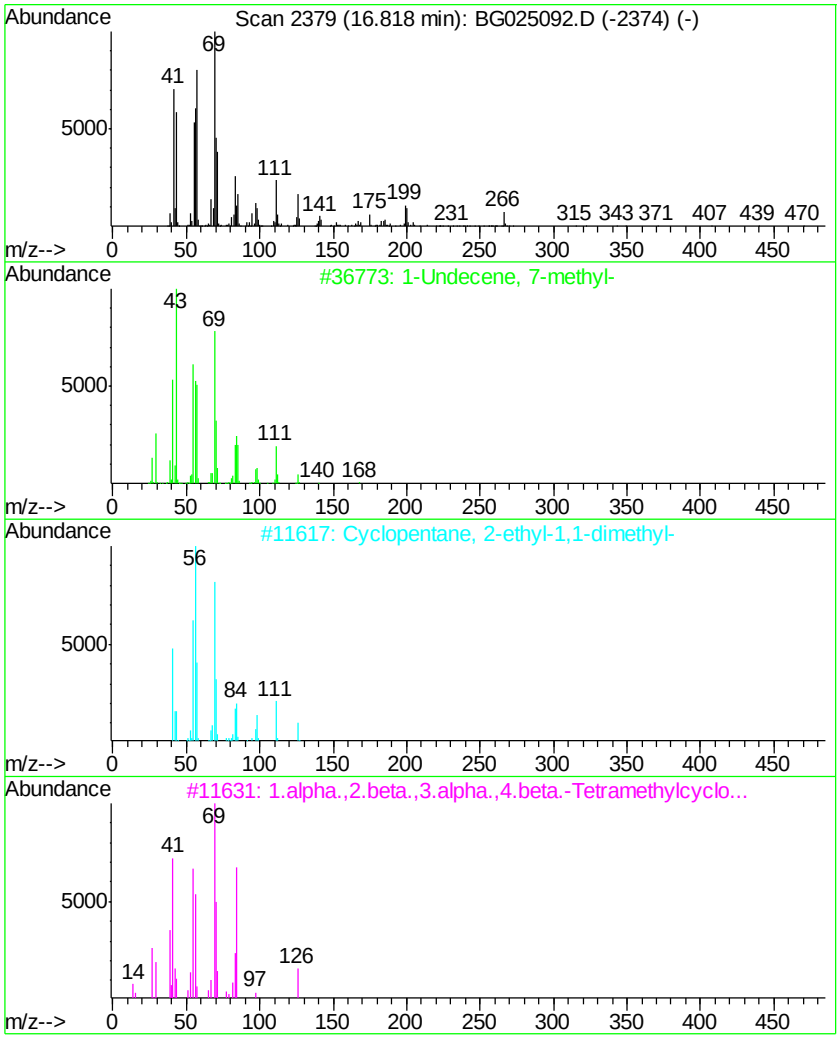
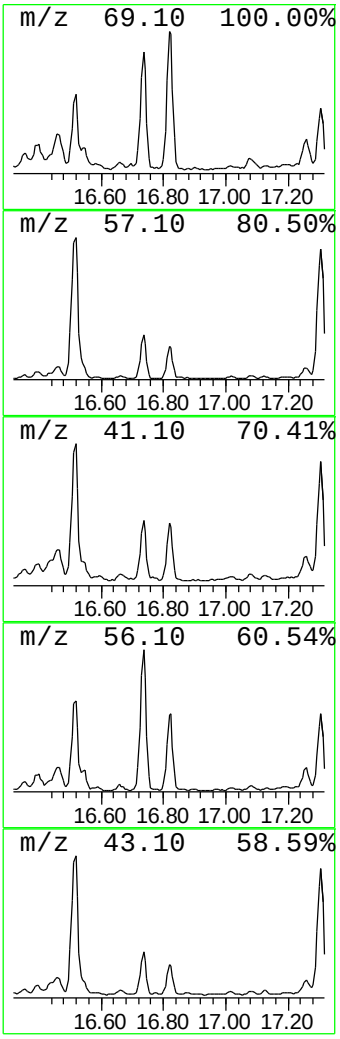
Peak Number 62 (DEL) Alkane: Cyclic16.82 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	53.51 ng/ul	6035750	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecene, 7-methyl-	168	C12H24	074630-42-5	70
2	Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	53
3	1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	52
4	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	52
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49





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Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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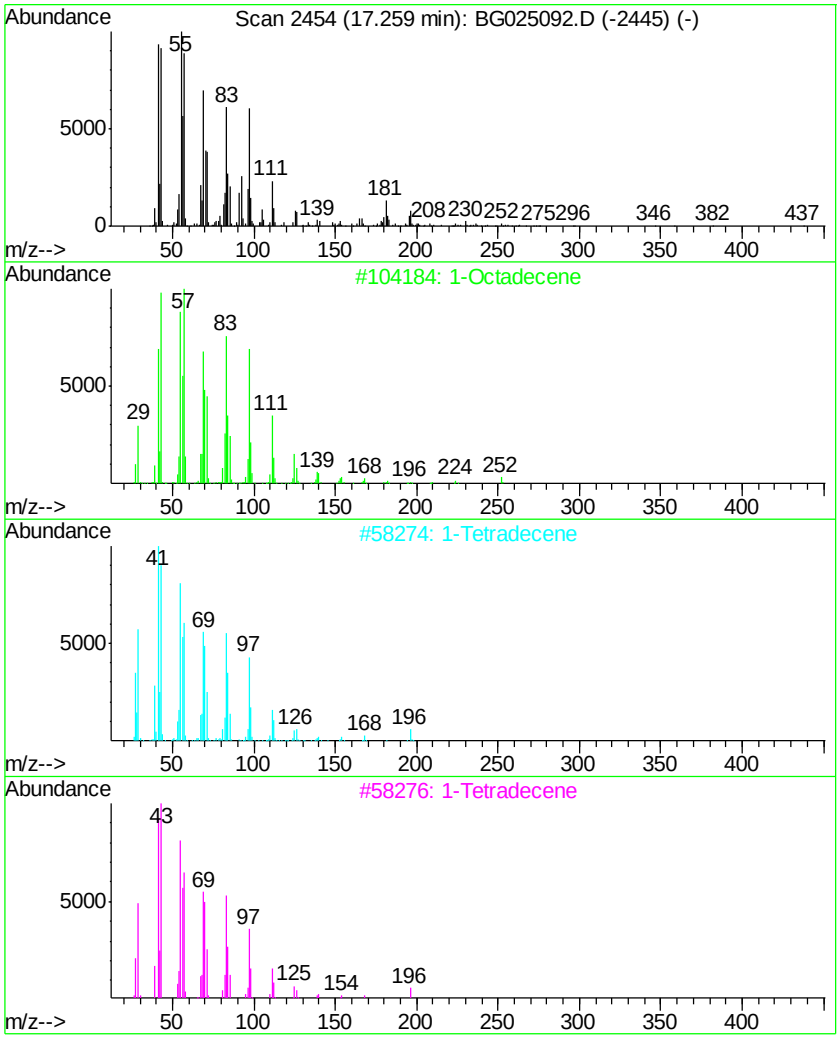
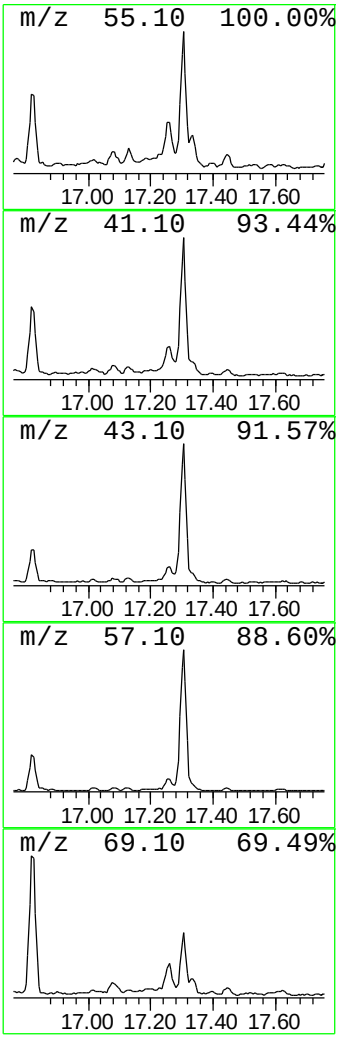
Peak Number 65 (DEL) Alkane: Cyclic17.26 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	34.01 ng/ul	3835890	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	96
2	1-Tetradecene	196	C14H28	001120-36-1	92
3	1-Tetradecene	196	C14H28	001120-36-1	92
4	Cetene	224	C16H32	000629-73-2	90
5	11-Tricosene	322	C23H46	052078-56-5	90





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Sample : H5905-02
Misc :
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Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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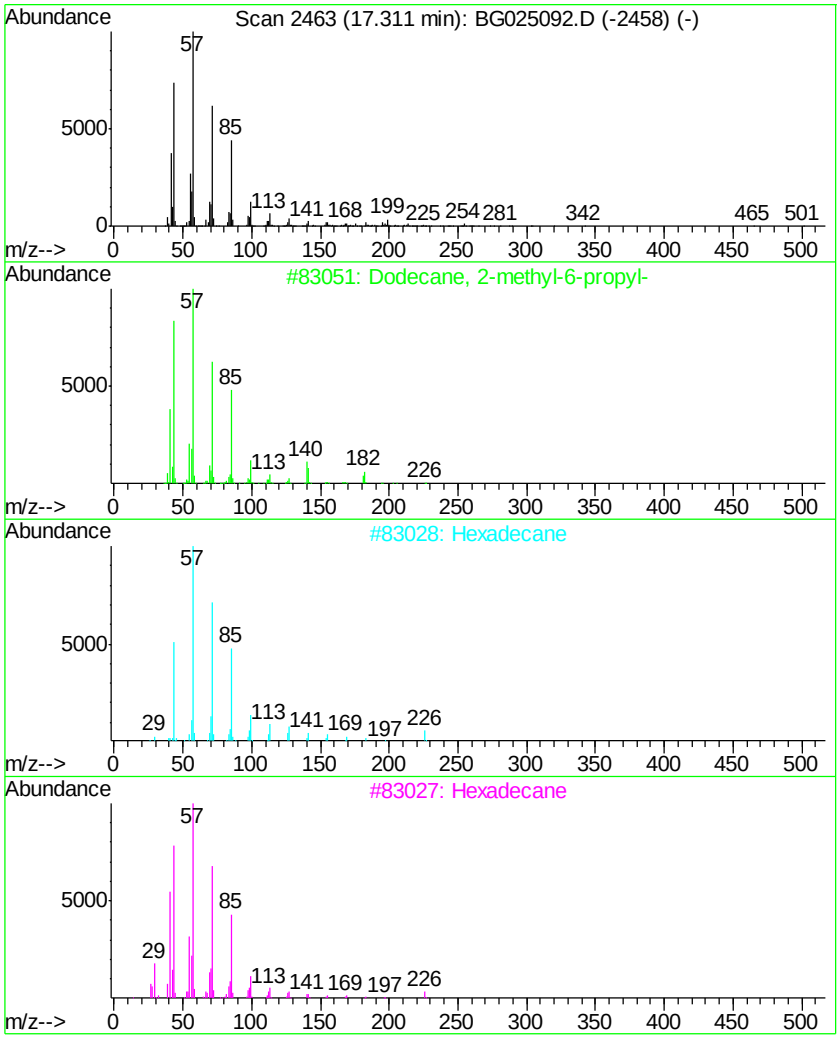
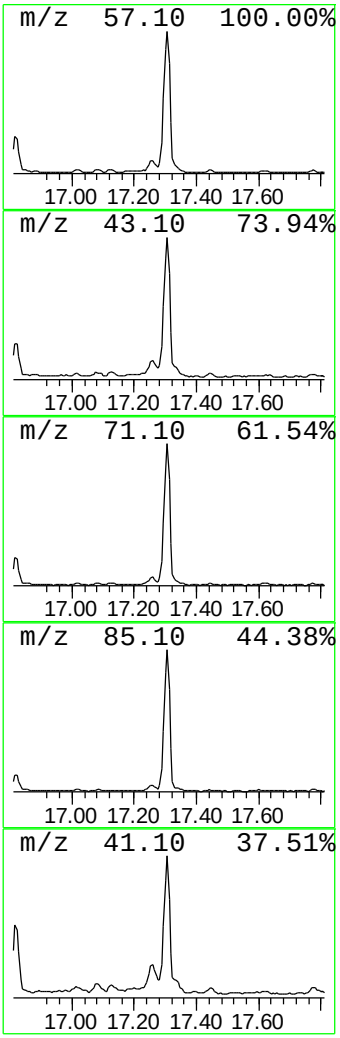
Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	120.75 ng/ul	13619900	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	94
2	Hexadecane	226	C16H34	000544-76-3	93
3	Hexadecane	226	C16H34	000544-76-3	91
4	Nonadecane	268	C19H40	000629-92-5	91
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	90





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Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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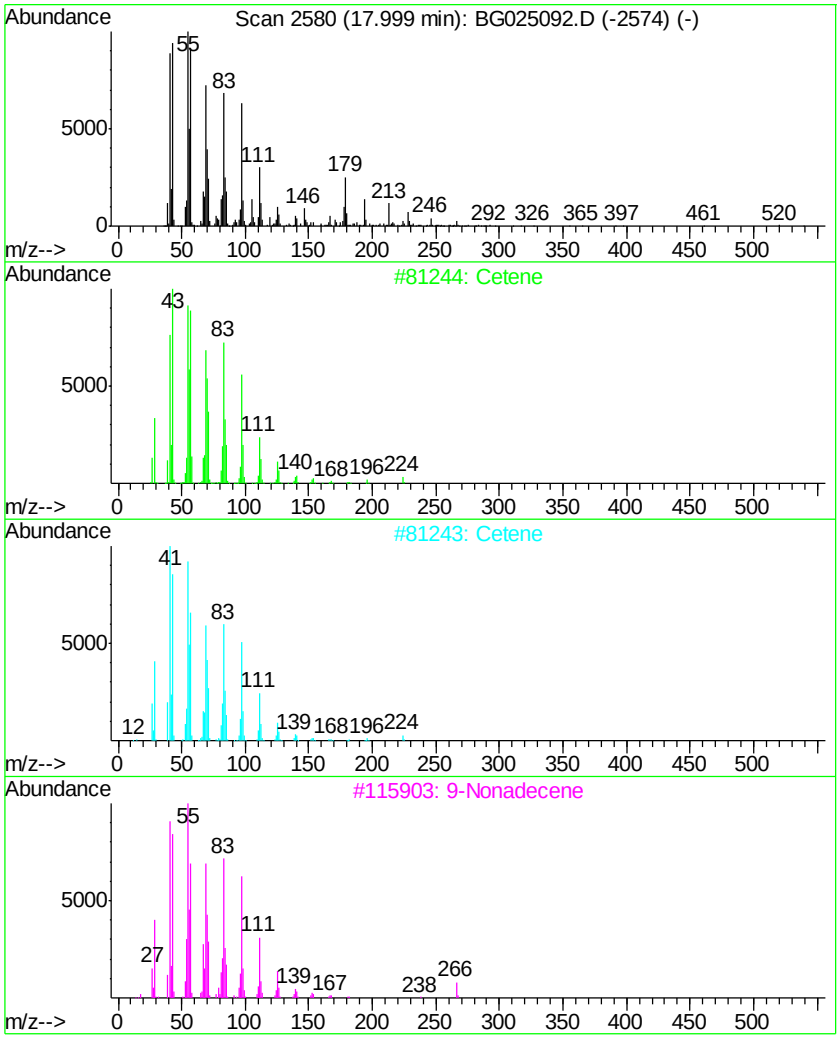
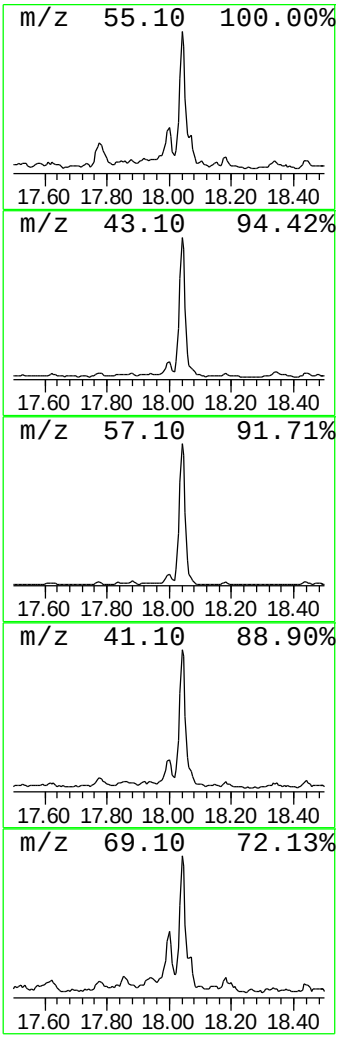
Peak Number 69 (DEL) Alkane: Cyclic18.00 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	17.88 ng/ul	2016660	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	98
2	Cetene	224	C16H32	000629-73-2	97
3	9-Nonadecene	266	C19H38	031035-07-1	93
4	Z-5-Nonadecene	266	C19H38	1000131-11-8	90
5	1-Nonadecene	266	C19H38	018435-45-5	87





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Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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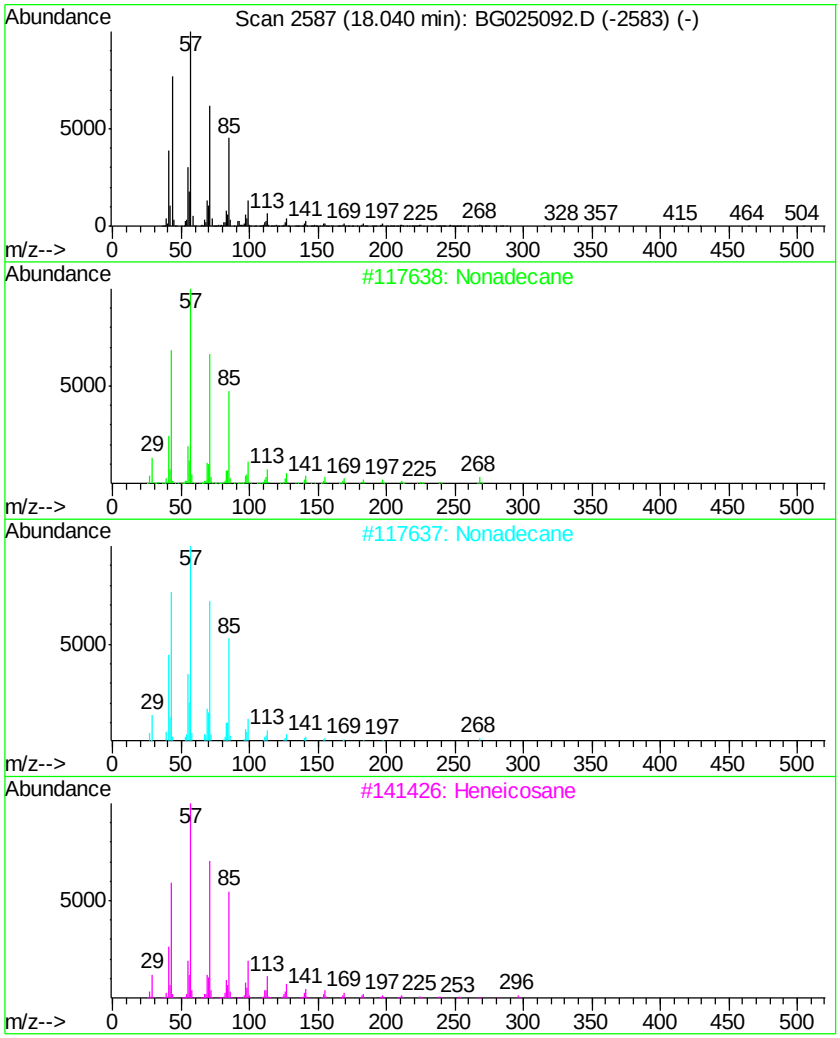
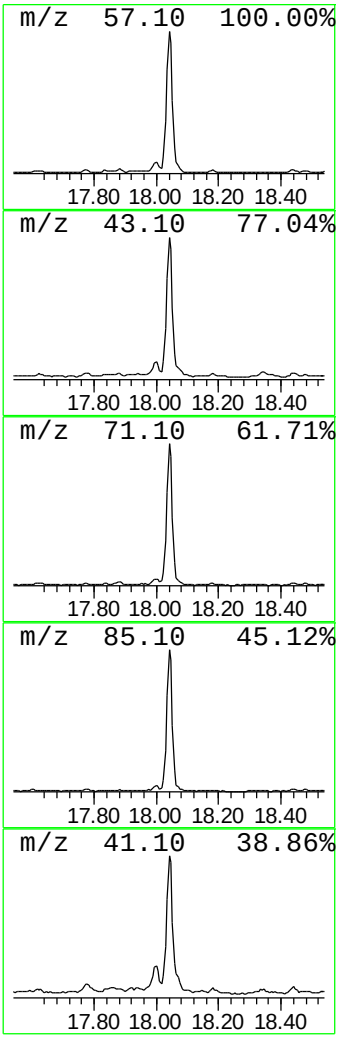
Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	106.41 ng/ul	12002300	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Nonadecane	268	C19H40	000629-92-5	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





Library Search Compound Report

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Operator : UM/SJ
Sample : H5905-02
Misc :
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Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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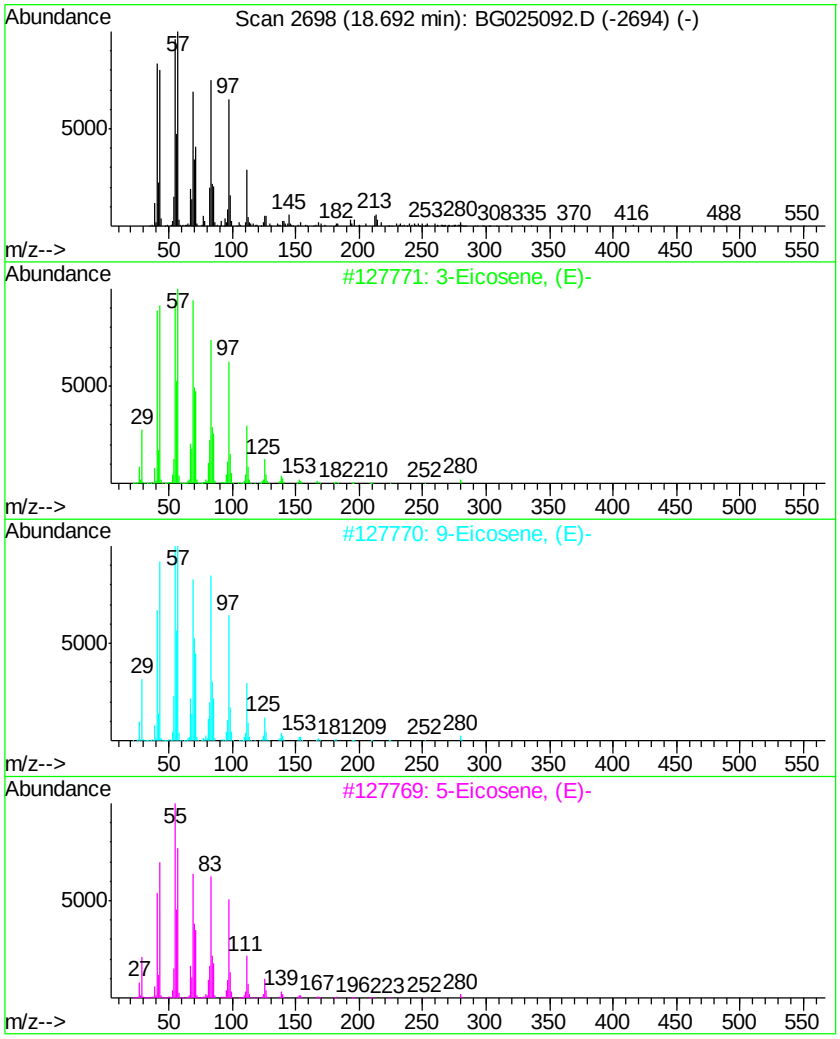
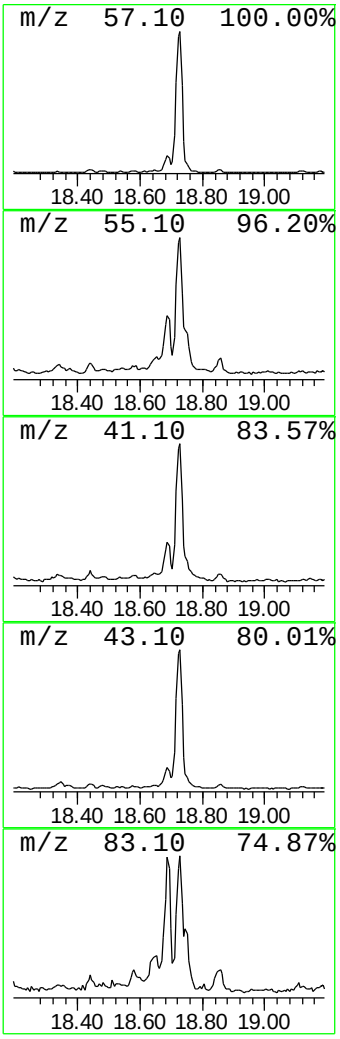
Peak Number 71 (DEL) Alkane: Cyclic18.69 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	18.95 ng/ul	2137670	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	99
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	99
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
4	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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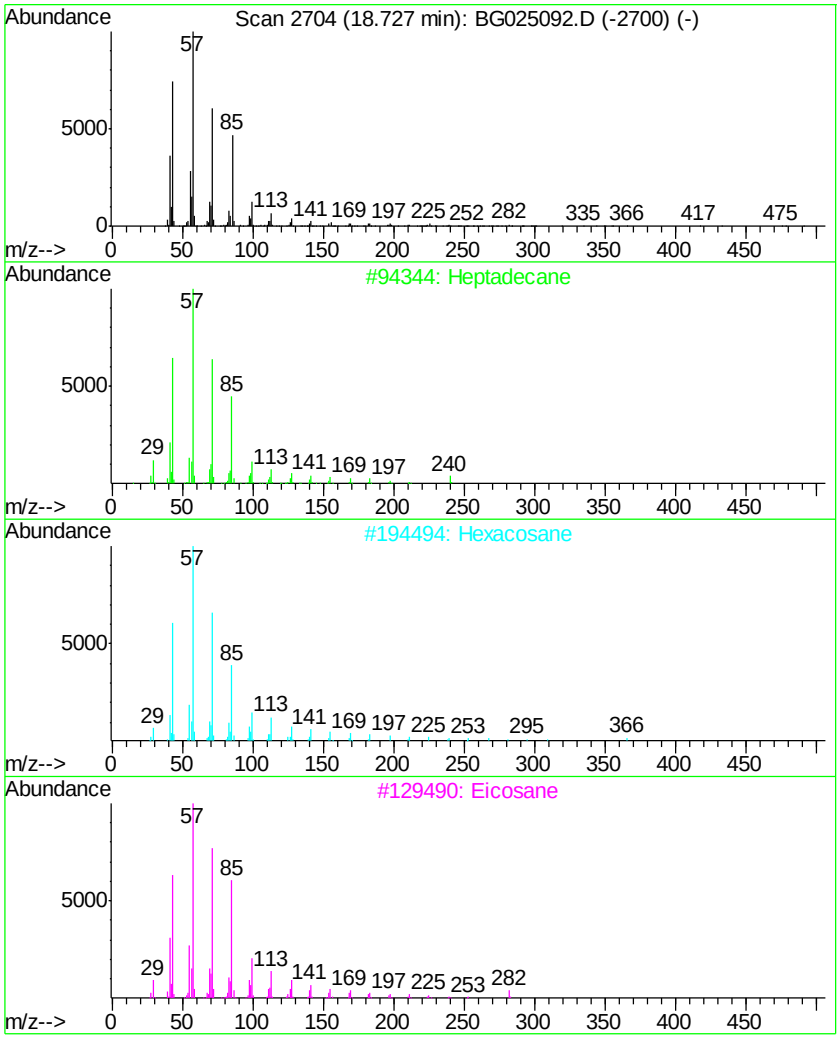
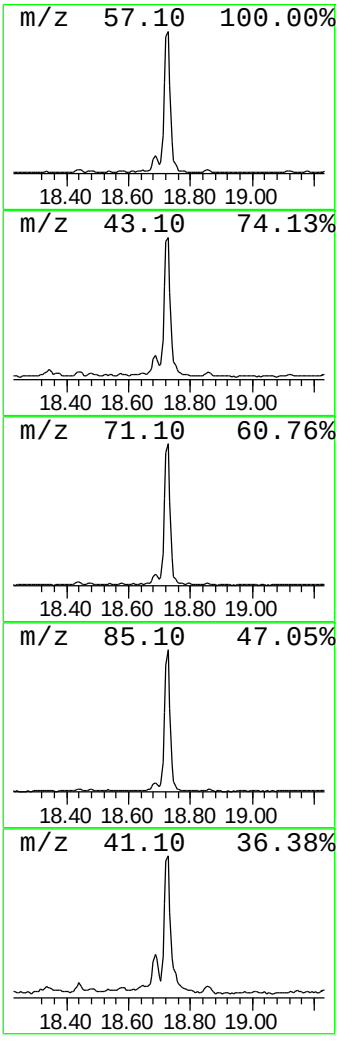
Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	83.50 ng/ul	9418700	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Hexacosane	366	C26H54	000630-01-3	95
3	Eicosane	282	C20H42	000112-95-8	95
4	Eicosane	282	C20H42	000112-95-8	95
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

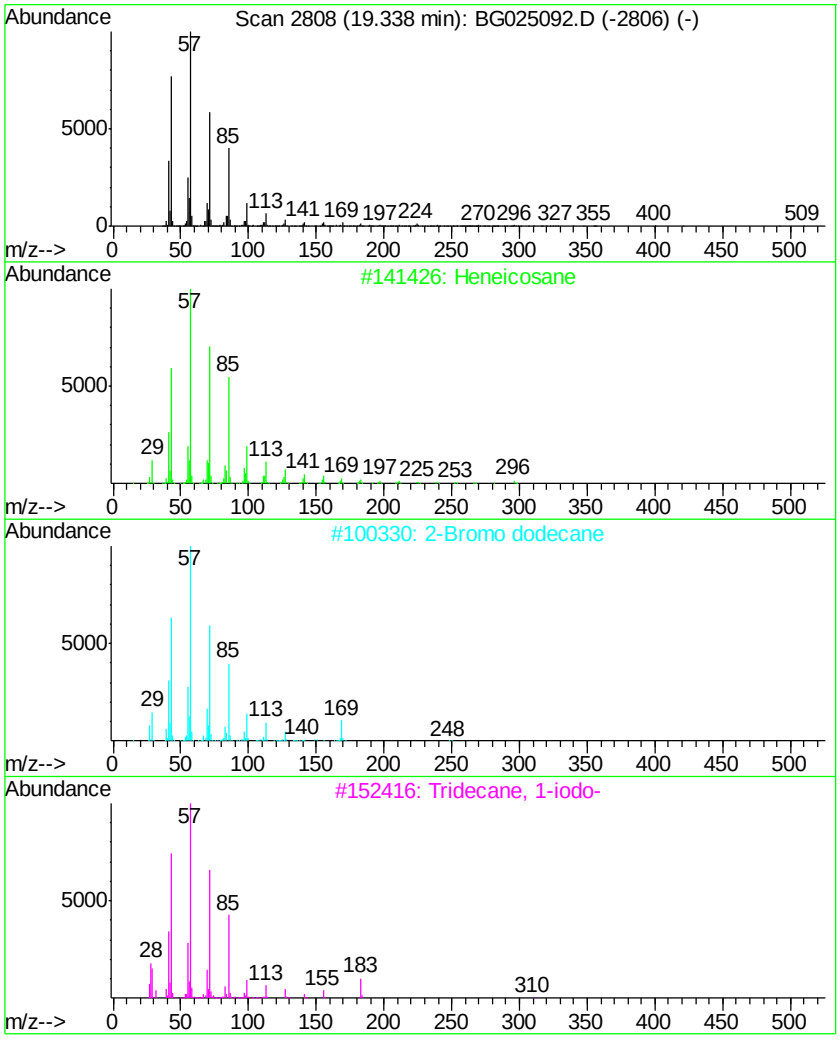
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

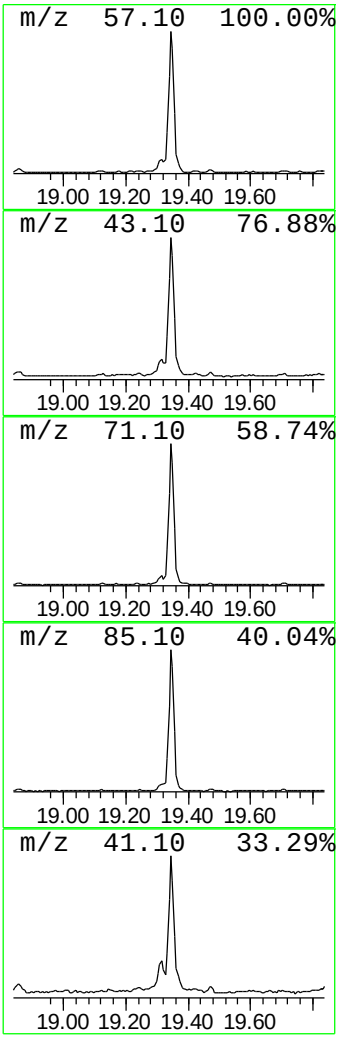
****

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	59.83 ng/ul	6748220	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
5	Tridecane	184	C13H28	000629-50-5	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

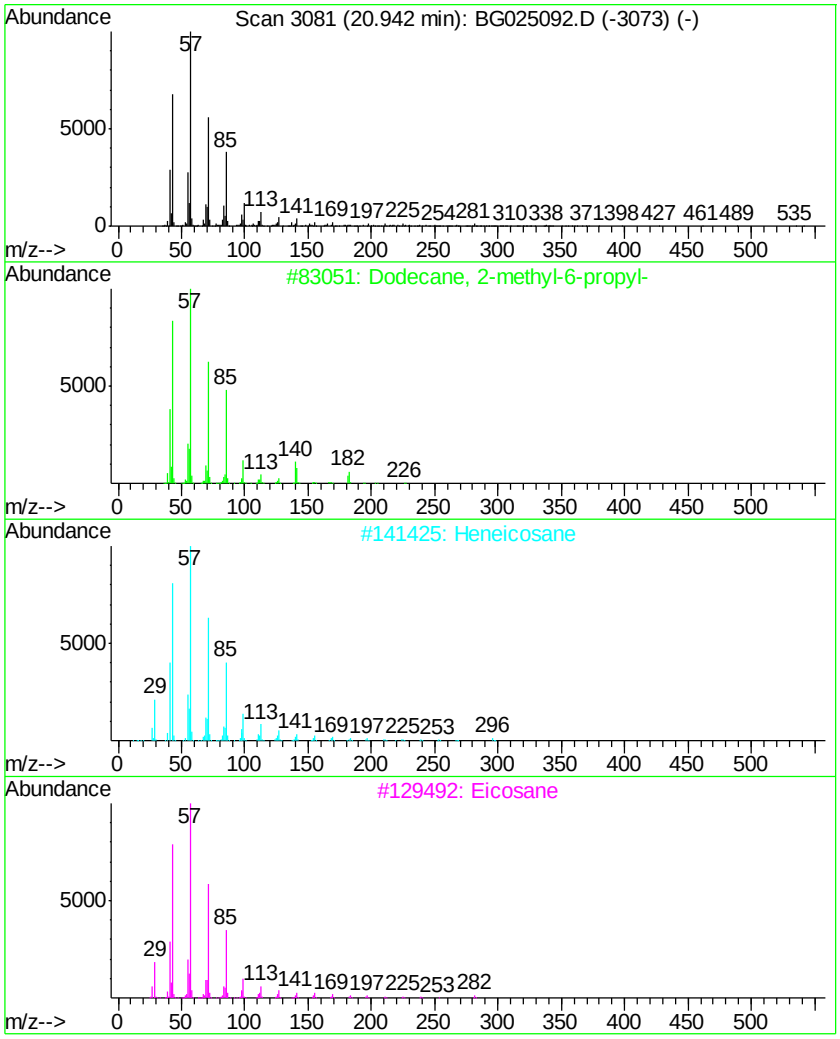
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

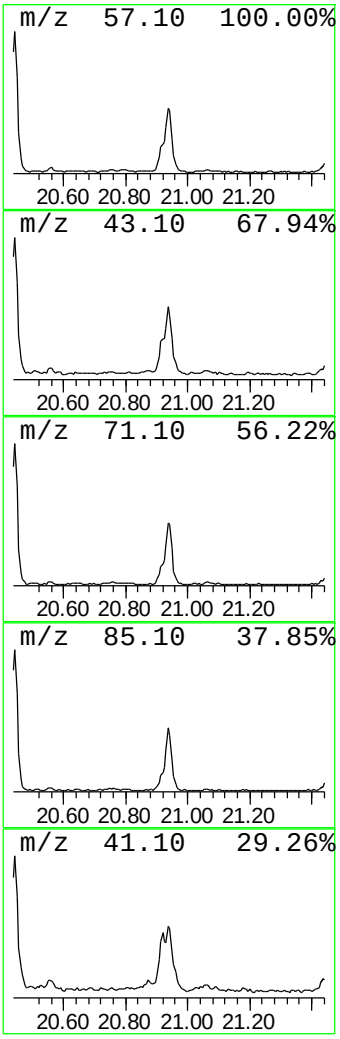
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 76 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	39.91 ng/ul	4925100	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025092.D
Acq On : 11 Dec 2016 7:02
Operator : UM/SJ
Sample : H5905-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA804

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,2,3-tr...	7.87	27.1	ng/ul	2463990	1	8.23	1816460	20.0
Tetracyclo[3.3.1....	8.87	28.4	ng/ul	2583490	1	8.23	1816460	20.0
Benzene, 1-ethyl-...	9.34	23.9	ng/ul	2174860	1	8.23	1816460	20.0
Benzofuran, 7-met...	9.71	5.8	ng/ul	3524370	2	11.07	12152900	20.0
Benzofuran, 2-met...	9.79	10.2	ng/ul	6172990	2	11.07	12152900	20.0
Benzene,1-methyl-...	10.47	13.5	ng/ul	8192790	2	11.07	12152900	20.0
2-Methylindene	10.57	6.1	ng/ul	3685060	2	11.07	12152900	20.0
unknown-01	10.90	6.3	ng/ul	3801000	2	11.07	12152900	20.0
(DEL) Alkane: Str...	11.00	10.0	ng/ul	6091910	2	11.07	12152900	20.0
1H-Benzimidazole,...	11.31	41.0	ng/ul	24886100	2	11.07	12152900	20.0
Cinnoline, 1,2-di...	11.44	26.9	ng/ul	16317900	2	11.07	12152900	20.0
1-Naphthalenol, 5...	11.49	50.7	ng/ul	30780400	2	11.07	12152900	20.0
2-(2-Hydroxypheny...	11.55	14.9	ng/ul	9061270	2	11.07	12152900	20.0
2-Propenal, 3-(4-...	11.65	4.6	ng/ul	2815290	2	11.07	12152900	20.0
3-Phenyl-4-ethyl-...	11.72	4.3	ng/ul	2599410	2	11.07	12152900	20.0
Benzene, (3-methy...	11.82	6.1	ng/ul	3711370	2	11.07	12152900	20.0
unknown-02	11.88	4.6	ng/ul	2773190	2	11.07	12152900	20.0
Benzene, hexyl-	12.02	4.3	ng/ul	2626320	2	11.07	12152900	20.0
Furan, 2,2'-methy...	12.08	16.9	ng/ul	10251700	2	11.07	12152900	20.0
1H-Indene, 1,3-di...	12.16	6.4	ng/ul	3905700	2	11.07	12152900	20.0
1H-Indene, 2,3-di...	12.21	6.0	ng/ul	3640820	2	11.07	12152900	20.0
Benzene, 1-(2-but...	12.38	10.1	ng/ul	6110260	2	11.07	12152900	20.0
(DEL) Alkane: Str...	12.43	13.2	ng/ul	8025850	2	11.07	12152900	20.0
1H-Indene, 2,3-di...	12.53	7.4	ng/ul	4490660	2	11.07	12152900	20.0
Ethanone, 1-[4-(1...	12.60	11.8	ng/ul	7138670	2	11.07	12152900	20.0
Benzene, (1,3-dim...	12.80	15.3	ng/ul	9318810	2	11.07	12152900	20.0
2,3,4-Trifluorobe...	12.89	32.3	ng/ul	19643200	2	11.07	12152900	20.0
Benzocycloheptatr...	12.95	32.6	ng/ul	19840000	2	11.07	12152900	20.0
(DEL) Alkane: Str...	13.65	17.8	ng/ul	12604400	3	14.87	14163900	20.0
(DEL) Alkane: Str...	14.72	16.6	ng/ul	11746100	3	14.87	14163900	20.0
(DEL) Alkane: Str...	15.66	28.8	ng/ul	20399800	3	14.87	14163900	20.0
(DEL) Alkane: Str...	16.52	131.8	ng/ul	14861800	4	17.61	2255900	20.0
(DEL) Alkane: Cyc...	16.74	74.8	ng/ul	8433510	4	17.61	2255900	20.0
(DEL) Alkane: Cyc...	16.82	53.5	ng/ul	6035750	4	17.61	2255900	20.0
(DEL) Alkane: Cyc...	17.26	34.0	ng/ul	3835890	4	17.61	2255900	20.0
(DEL) Alkane: Str...	17.31	120.8	ng/ul	13619900	4	17.61	2255900	20.0
(DEL) Alkane: Cyc...	18.00	17.9	ng/ul	2016660	4	17.61	2255900	20.0
(DEL) Alkane: Str...	18.04	106.4	ng/ul	12002300	4	17.61	2255900	20.0
(DEL) Alkane: Cyc...	18.69	18.9	ng/ul	2137670	4	17.61	2255900	20.0
(DEL) Alkane: Str...	18.73	83.5	ng/ul	9418700	4	17.61	2255900	20.0
(DEL) Alkane: Str...	19.34	59.8	ng/ul	6748220	4	17.61	2255900	20.0
(DEL) Alkane: Str...	20.94	39.9	ng/ul	4925100	5	21.89	2468340	20.0