LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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	7.374	764	772	780	rVV4	354595	1223246	11.03%	0.397%
2	7.867	851	856	865	rVB	677122	1144477	10.32%	0.372%
3	8.672	987	993	1004	rVV	727852	1487127	13.41%	0.483%
4	8.866	1016	1026	1033	rVV3	485570	1227181	11.06%	0.399%
5	9.007	1043	1050	1068	rVB3	1879464	3972613	35.82%	1.291%
6	9.424	1114	1121	1128	rVB3	834545	1741552	15.70%	0.566%
7	9.718	1166	1171	1177	rVV	539879	1161974	10.48%	0.378%
8	9.789	1177	1183	1191	rVB	1303779	2382479	21.48%	0.774%
9	10.217	1250	1256	1259	rBV	1158260	2174139	19.60%	0.706%
10	10.488	1288	1302	1306	rBV4	2582953	7336965	66.15%	2.384%
11	10.529	1307	1309	1320	rVB2	1324438	2239638	20.19%	0.728%
12	10.688	1329	1336	1342	rBV2	1531633	2784074	25.10%	0.905%
13	10.887	1361	1370	1372	rBV6	427378	1044576	9.42%	0.339%
14	10.987	1381	1387	1392	rBV2	643765	1195817	10.78%	0.389%
15	11.116	1404	1409	1416	rVB	2115025	3723822	33.58%	1.210%
16	11.205	1416	1424	1428	rBV2	932826	1908364	17.21%	0.620%
17	11.299	1435	1440	1454	rVB3	1972672	6618161	59.67%	2.150%
18	11.428	1454	1462	1465	rVV3	2621387	5387096	48.57%	1.750%
19	11.469	1465	1469	1476	rVV	5329390	10680721	96.30%	3.470%
20	11.534	1476	1480	1485	rVV	1876119	3299442	29.75%	1.072%
21	11.586	1485	1489	1494	rVV	759767	1326660	11.96%	0.431%
22	11.645	1494	1499	1507	rVV4	645278	1521023	13.71%	0.494%
23	11.821	1522	1529	1532	rBV	670072	1156218	10.42%	0.376%
24	11.874	1532	1538	1545	rVB2	2788394	5030007	45.35%	1.634%
25	12.068	1565	1571	1576	rBV2	1335817	2694477	24.29%	0.875%
26	12.145	1577	1584	1589	rVV2	902387	2975210	26.83%	0.967%
27	12.192	1589	1592	1596	rVV	988599	1702144	15.35%	0.553%
28	12.262	1596	1604	1610	rVB2	1429725	3552505	32.03%	1.154%
29	12.368	1617	1622	1627	rVB2	601640	1041926	9.39%	0.339%
30	12.421	1627	1631	1639	rBV4	1212909	2405578	21.69%	0.782%
31	12.521	1643	1648	1653	rBV2	560396	1352495	12.19%	0.439%
32	12.585	1653	1659	1668	rVB2	1365859	4011794	36.17%	1.303%
33	12.709	1674	1680	1684	rBV	6015716	11090973	100.00%	3.604%
34	12.750	1684	1687	1690	rVB	1950066	2484059	22.40%	0.807%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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	12.832	1697	1701	1703	rBV2	839538	1215721	10.96%	0.395%
36	12.867	1704	1707	1712	rVV	2089453	3569006	32.18%	1.160%
37	12.926	1712	1717	1724	rVB	4129579	7134462	64.33%	2.318%
38	13.008	1724	1731	1741	rBV2	2207072	5863147	52.86%	1.905%
39	13.096	1741	1746	1761	rVB8	1486621	3985171	35.93%	1.295%
40	13.214	1761	1766	1770	rBV5	811714	1279111	11.53%	0.416%
41	13.273	1770	1776	1779	rBV3	1242826	2162419	19.50%	0.703%
42	13.349	1785	1789	1793	rBV2	748494	1150591	10.37%	0.374%
43	13.402	1794	1798	1802	rVB3	882675	1353618	12.20%	0.440%
44	13.455	1802	1807	1811	rBV3	612703	1070367	9.65%	0.348%
45	13.584	1816	1829	1833	rBV4	1686936	4835982	43.60%	1.571%
46	13.643	1833	1839	1844	rVB6	2075917	3486862	31.44%	1.133%
47	13.696	1844	1848	1852	rVB	997219	1365864	12.32%	0.444%
48	13.737	1852	1855	1861	rVB4	474424	912928	8.23%	0.297%
49	13.813	1861	1868	1870	rBV3	1013425	2279003	20.55%	0.740%
50	13.896	1877	1882	1890	rVB5	1478747	3729958	33.63%	1.212%
51	14.042	1897	1907	1919	rVB3	2431952	7998545	72.12%	2.599%
52	14.183	1919	1931	1936	rBV3	3248904	7756005	69.93%	2.520%
53	14.236	1936	1940	1947	rVB3	3420704	5802022	52.31%	1.885%
54	14.348	1955	1959	1963	rBV6	819408	1307489	11.79%	0.425%
55	14.418	1964	1971	1975	rBV4	1215204	2277215	20.53%	0.740%
56	14.501	1981	1985	1988	rVB2	1163644	1565509	14.12%	0.509%
57	14.577	1988	1998	2003	rBV6	1676362	5431582	48.97%	1.765%
58	14.636	2003	2008	2012	rVB4	897755	1465693	13.22%	0.476%
59	14.706	2016	2020	2025	rVB	3374257	4450982	40.13%	1.446%
60	14.818	2034	2039	2044	rBV2	2812714	4745419	42.79%	1.542%
61	14.865	2044	2047	2050	rVV2	1060965	1960300	17.67%	0.637%
62	14.900	2050	2053	2074	rVB7	1925045	4885471	44.05%	1.587%
63	15.047	2074	2078	2080	rBV4	727529	1057066	9.53%	0.343%
64	15.082	2080	2084	2090	rVB7	1577947	2536837	22.87%	0.824%
65	15.153	2091	2096	2101	rVV4	964952	1560806	14.07%	0.507%
66	15.247	2105	2112	2120	rBV6	1232579	3185829	28.72%	1.035%
67	15.317	2120	2124	2128	rBV2	681521	1058504	9.54%	0.344%
68	15.364	2129	2132	2138	rVB4	684491	1001514	9.03%	0.325%
69	15.464	2143	2149	2154	rBV5	1047039	2330036	21.01%	0.757%
70	15.517	2154	2158	2166	rVV2	2024800	4376550	39.46%	1.422%
71	15.617	2166	2175	2178	rVV2	2696827	6703158	60.44%	2.178%

LSC Area Percent Report

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Acq On : 11 Dec 2016 9:39
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Sample : H5905-18
Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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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Peak separation: 1

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

72	15.652	2178	2181	2192	rVB	4828196	7789600	70.23%	2.531%
73	15.846	2210	2214	2217	rVV	1100894	1693713	15.27%	0.550%
74	15.887	2217	2221	2231	rVV3	2004030	4521846	40.77%	1.469%
75	15.970	2231	2235	2241	rVB2	707348	1057905	9.54%	0.344%
76	16.052	2242	2249	2253	rVV6	671818	1435706	12.94%	0.466%
77	16.457	2310	2318	2322	rVB3	1888841	3656755	32.97%	1.188%
78	16.510	2322	2327	2331	rBV	5344210	7302927	65.85%	2.373%
79	16.733	2356	2365	2369	rVV3	2606829	3751435	33.82%	1.219%
80	16.816	2374	2379	2386	rVB2	2388497	3232455	29.14%	1.050%
81	16.880	2386	2390	2397	rBV4	572419	1307612	11.79%	0.425%
82	17.256	2444	2454	2457	rBV2	1293928	2359013	21.27%	0.766%
83	17.303	2457	2462	2471	rVB	4369126	6796397	61.28%	2.208%
84	17.438	2480	2485	2491	rVB2	654425	1056120	9.52%	0.343%
85	17.603	2506	2513	2517	rBV	1146896	1795735	16.19%	0.583%
86	17.703	2524	2530	2537	rVB	1142121	2078693	18.74%	0.675%
87	17.773	2537	2542	2549	rBV2	666721	1290809	11.64%	0.419%
88	17.997	2575	2580	2583	rVV2	936431	1340232	12.08%	0.435%
89	18.038	2583	2587	2600	rVB	3586241	5650367	50.95%	1.836%
90	18.684	2687	2697	2700	rVV3	1124638	2022065	18.23%	0.657%
91	18.719	2700	2703	2722	rVV	2667056	4086522	36.85%	1.328%
92	19.342	2806	2809	2818	rVB	2033166	2775147	25.02%	0.902%
93	19.889	2898	2902	2904	rBV	843279	1038587	9.36%	0.337%
94	19.912	2904	2906	2911	rVV	1515066	1709424	15.41%	0.555%
95	19.971	2911	2916	2929	rVB	1655915	2696647	24.31%	0.876%
96	20.441	2984	2996	3008	rVB2	1238139	2328464	20.99%	0.757%
97	20.917	3072	3077	3092	rVB2	680628	1834100	16.54%	0.596%
98	21.892	3235	3243	3251	rVB	1374698	2520446	22.73%	0.819%
99	25.071	3773	3784	3798	rVB2	699784	2243215	20.23%	0.729%
100	25.300	3814	3823	3838	rVB	811194	2474028	22.31%	0.804%

Sum of corrected areas: 307775240

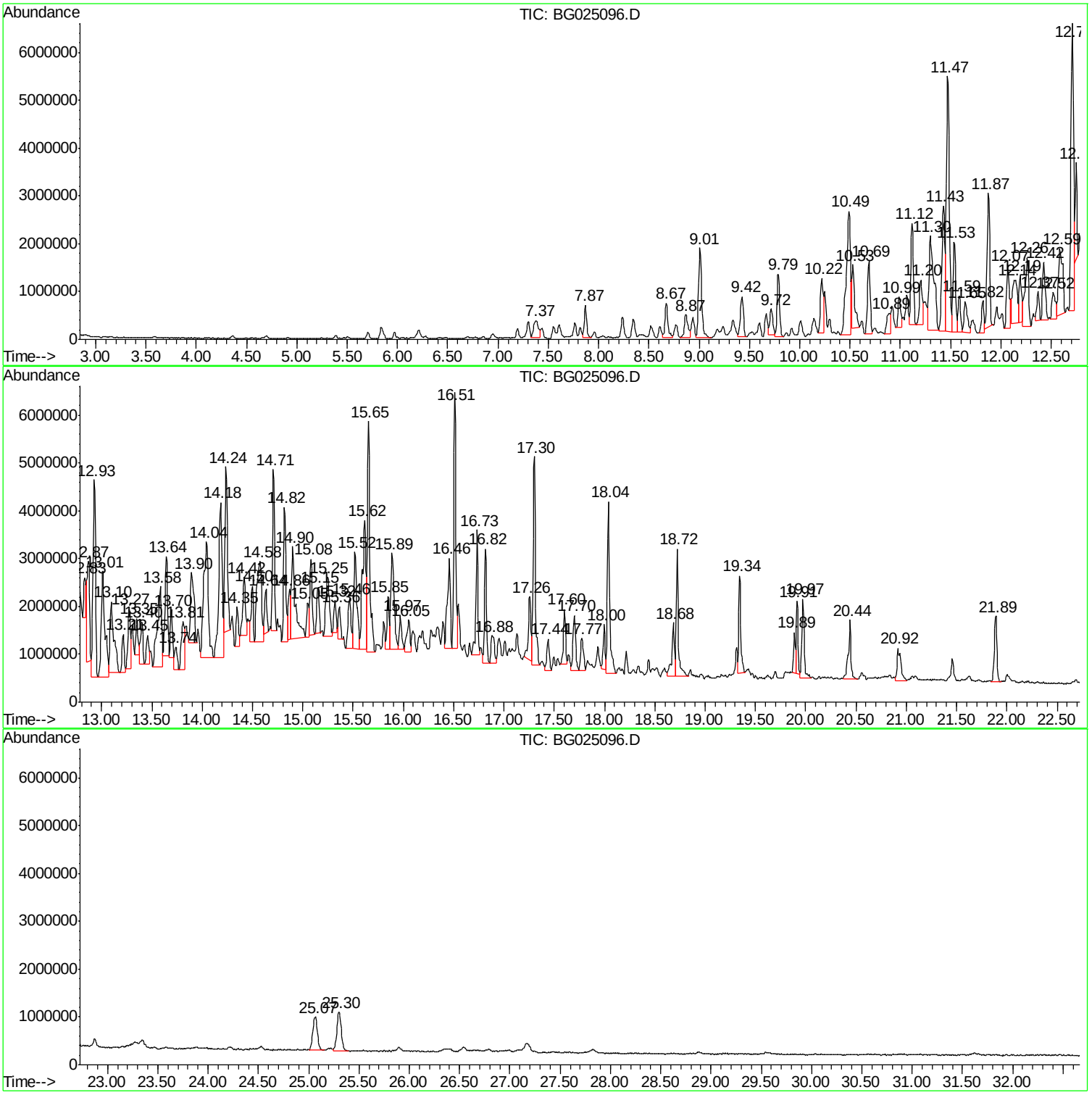
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA817

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
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Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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

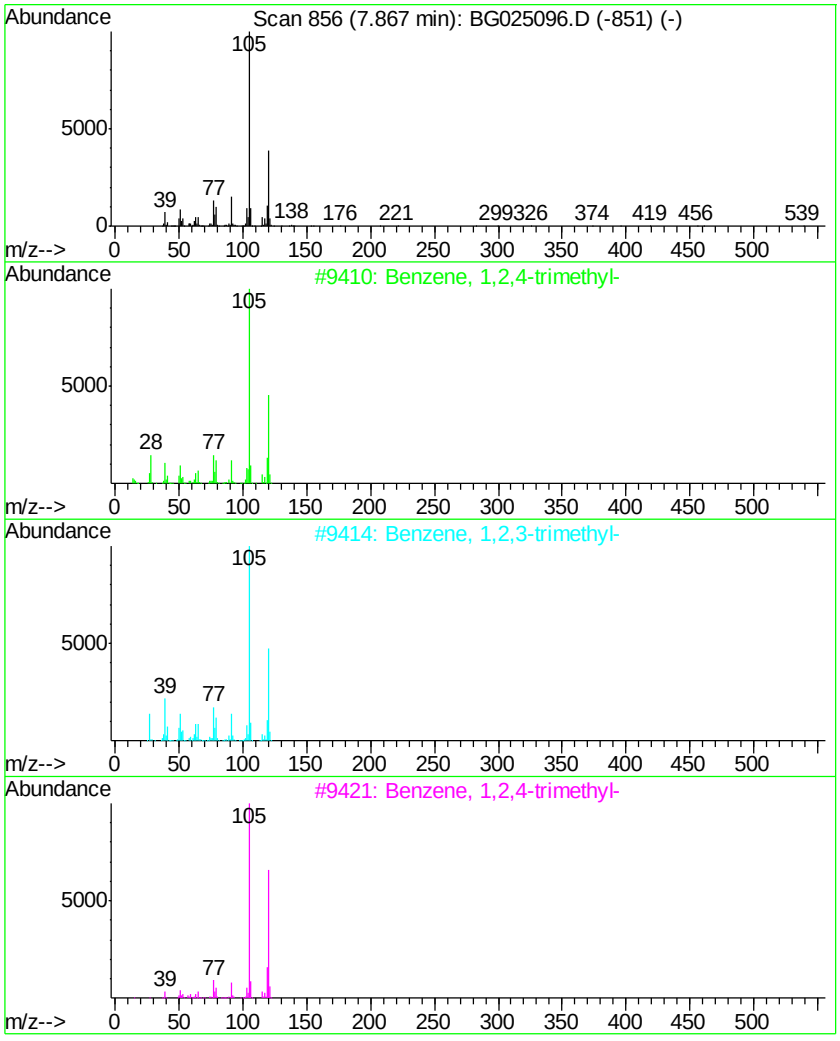
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

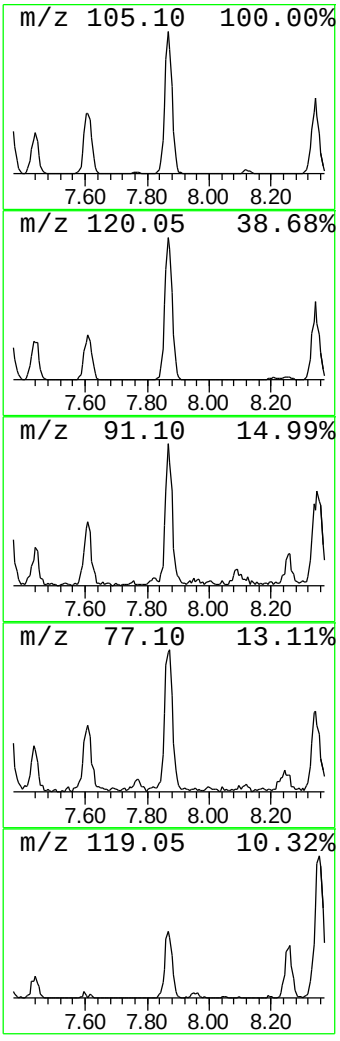
****

Peak Number 1 Benzene, 1,2,4-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	20.00 ng/ul	1144480	1,4-Dichlorobenzene-d4	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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

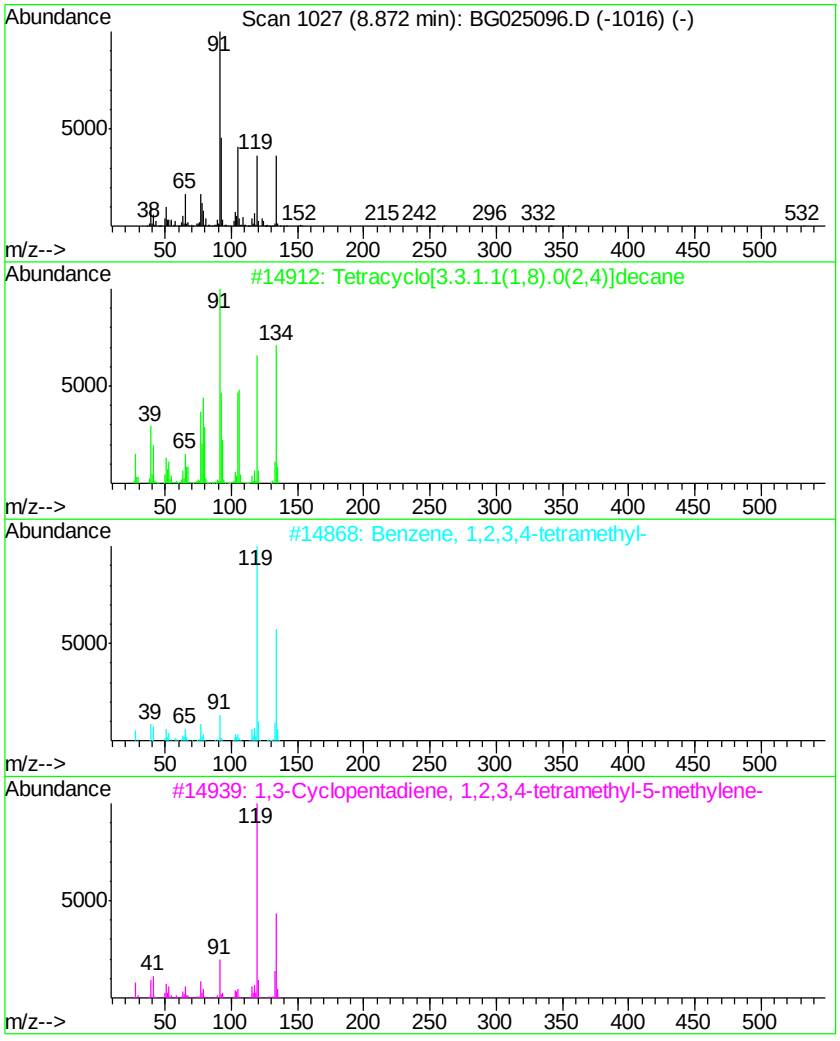
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

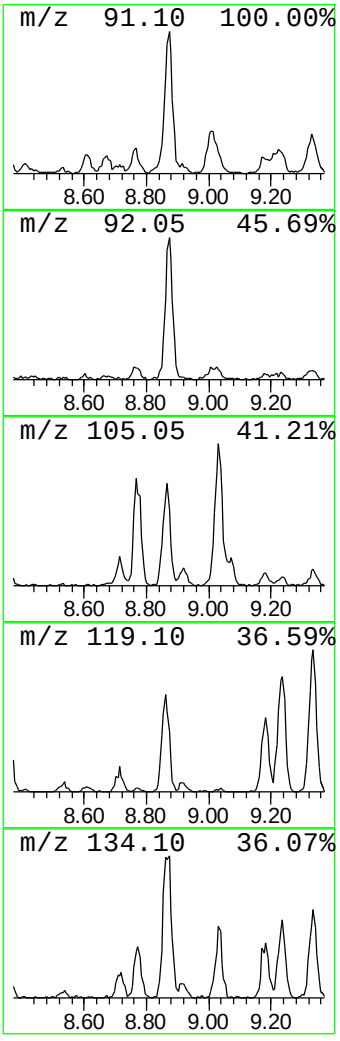
****

Peak Number 2 Tetracyclo[3.3.1.1(1,8).0(2... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	21.45 ng/ul	1227180	1,4-Dichlorobenzene-d4	8.24

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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76





Library Search Compound Report

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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

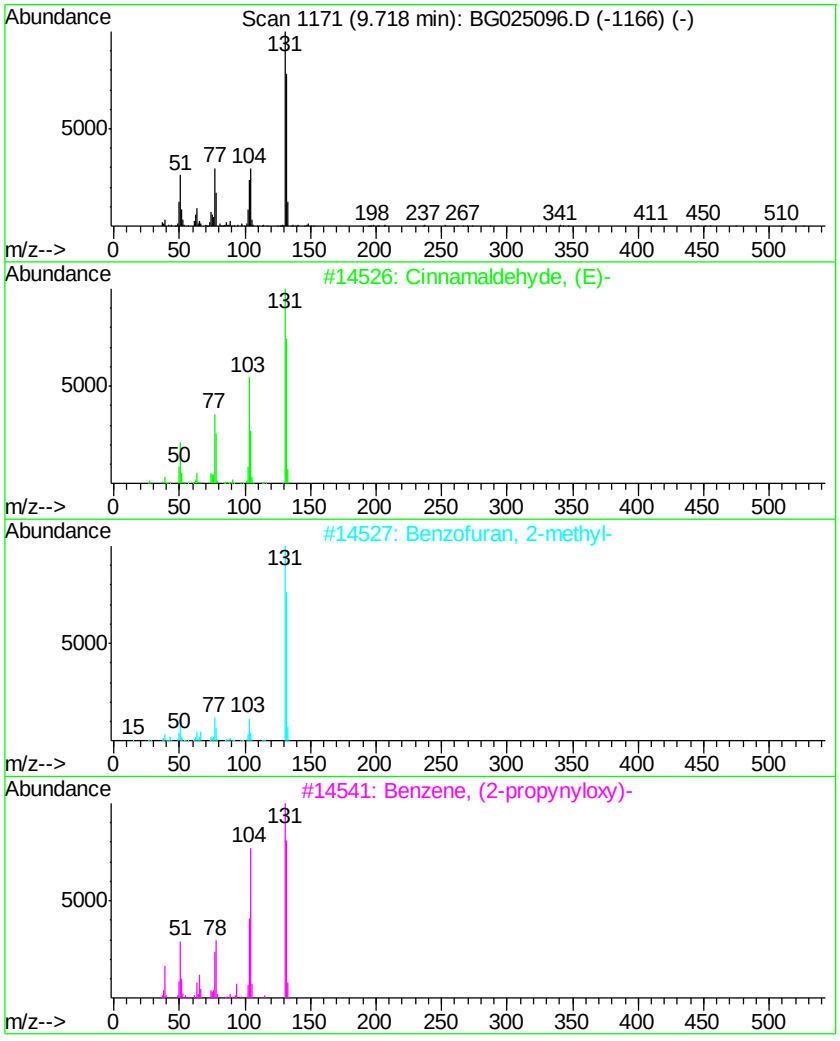
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

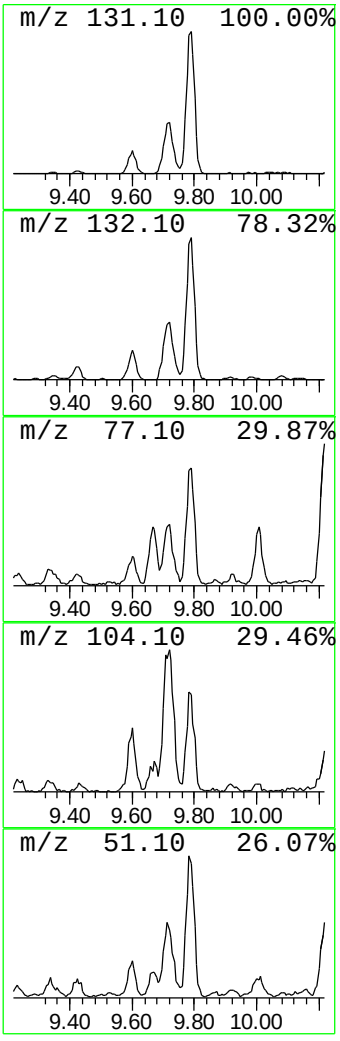
****

Peak Number 3 Cinnamaldehyde, (E)- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	6.24 ng/ul	1161970	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
3	Benzene, (2-propynyloxy)-	132	C9H8O	013610-02-1	90
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
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Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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

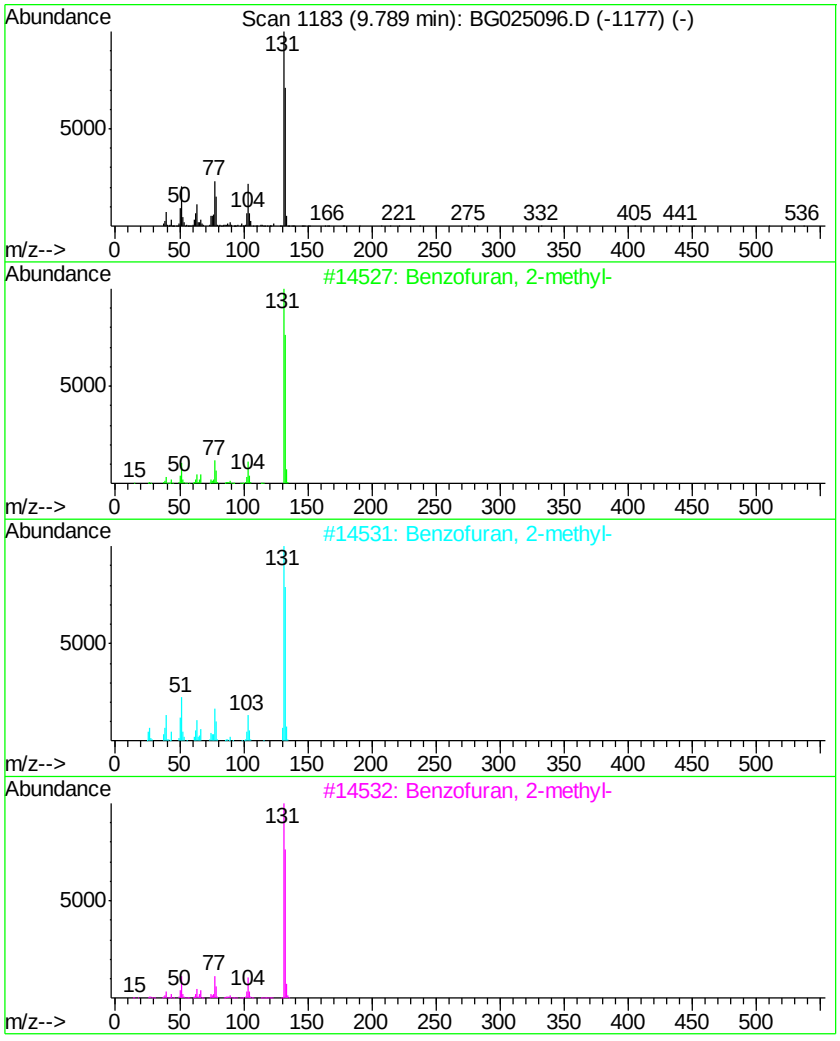
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

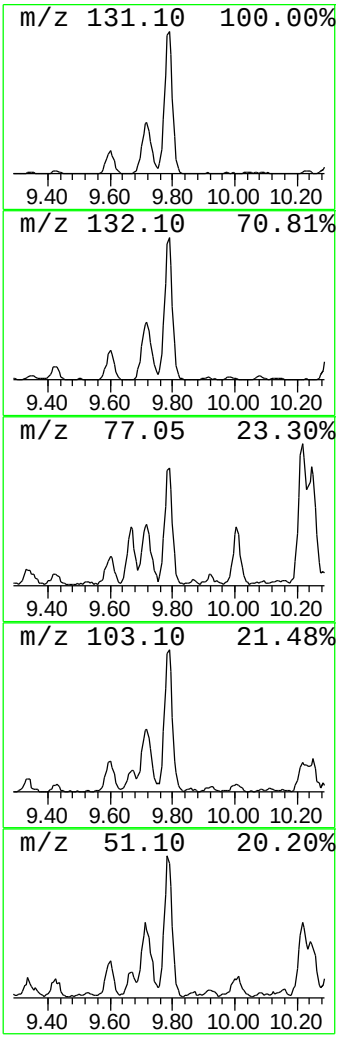
****

Peak Number 4 Benzofuran, 2-methyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	12.80 ng/ul	2382480	Naphthalene-d8	11.06

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	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
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Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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

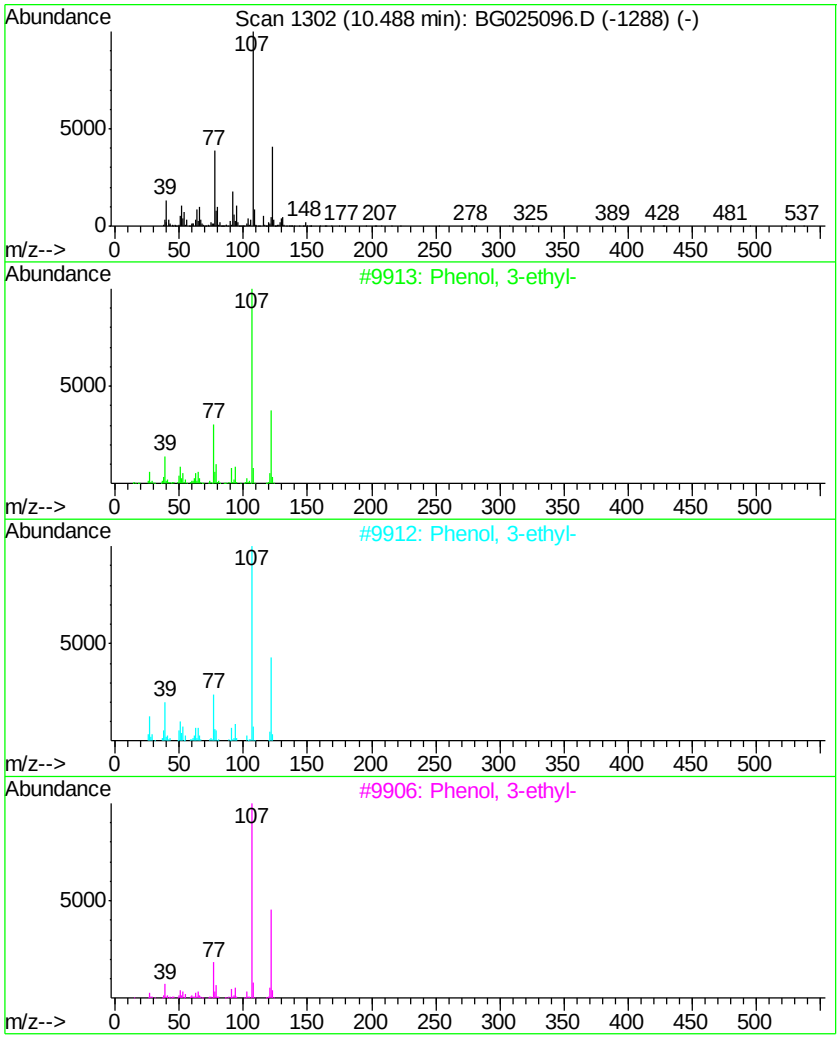
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

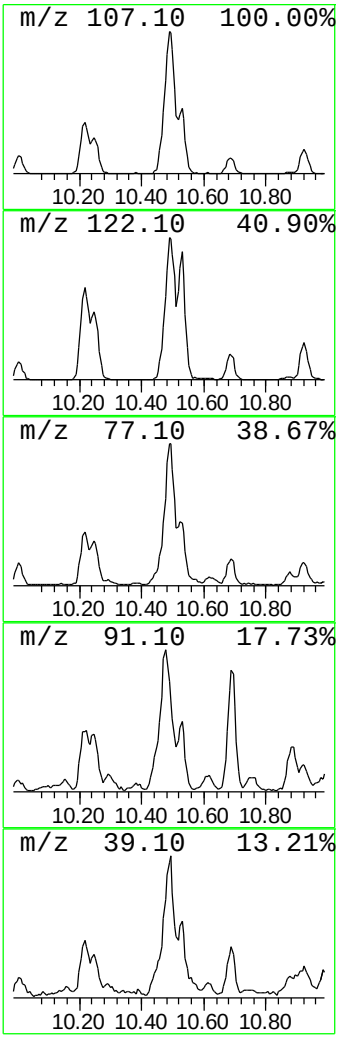
****

Peak Number 5 Phenol, 3-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	39.41 ng/ul	7336970	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	93
2	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	90
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	90
4	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	87
5	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	83





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Sample : H5905-18
Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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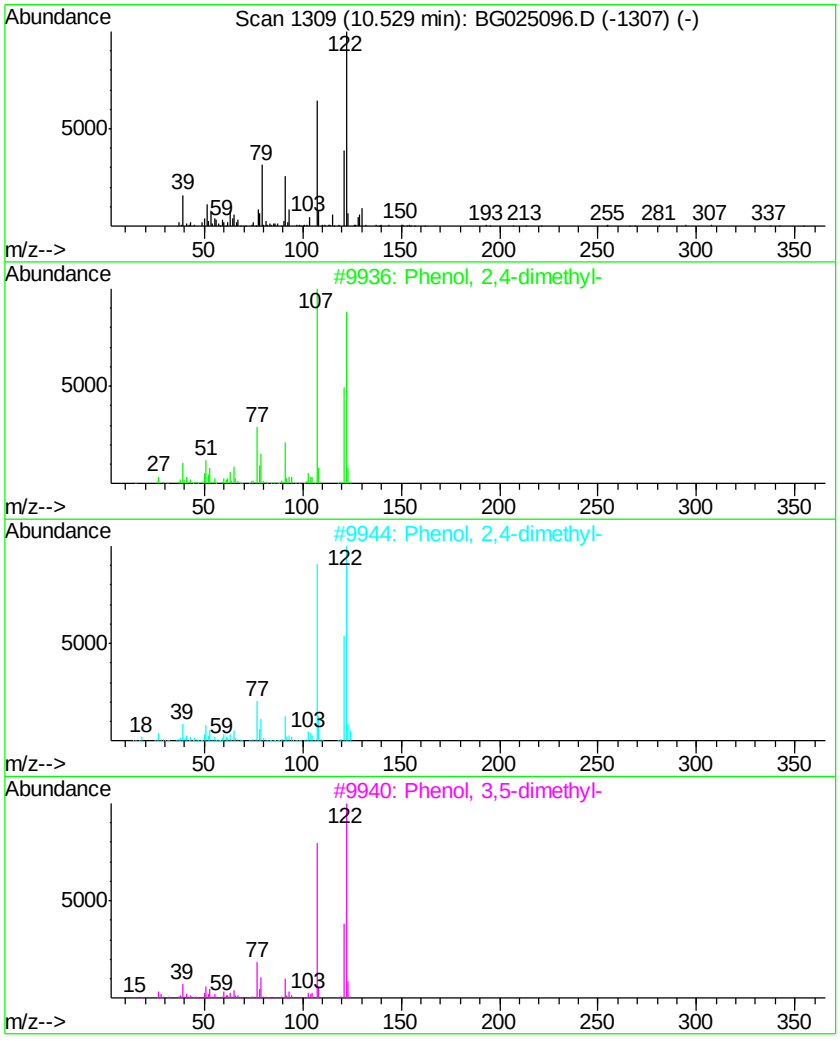
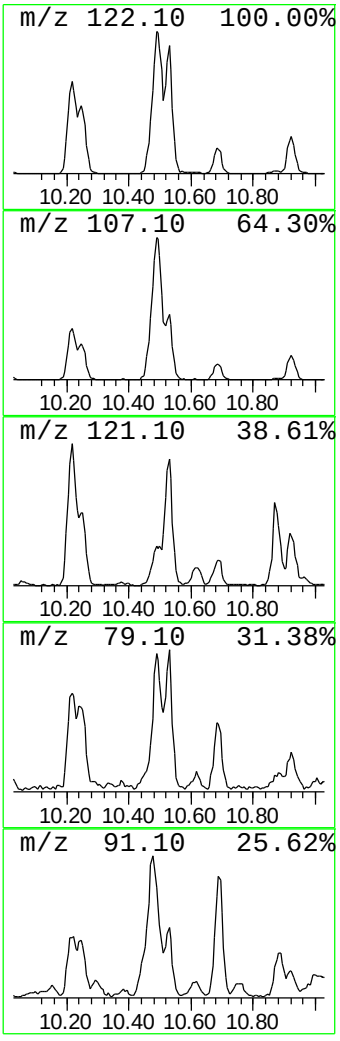
Peak Number 6 Phenol, 2,4-dimethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	12.03 ng/ul	2239640	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	74
2	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	72
3	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	72
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	72
5	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	72





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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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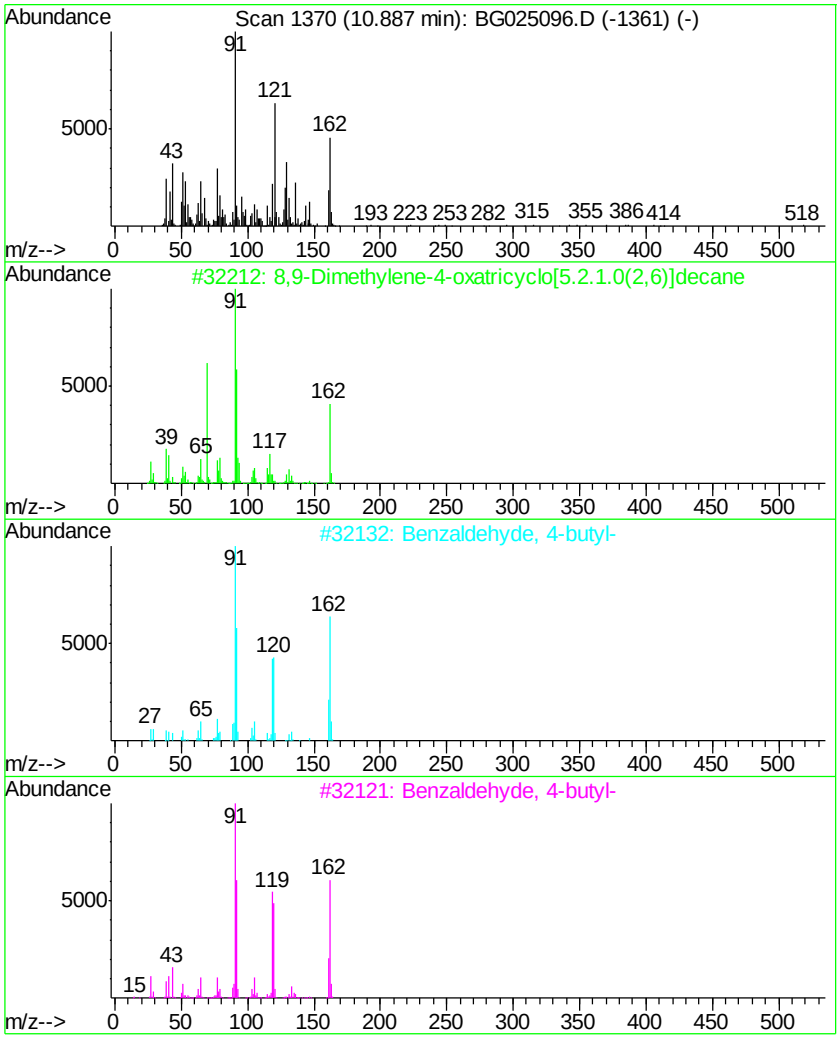
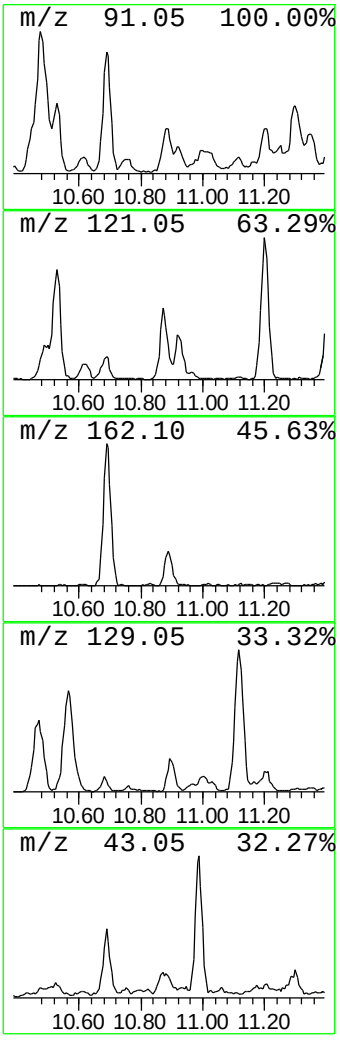
Peak Number 7 unknown-01 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	5.61 ng/ul	1044580	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dimethylene-4-oxatricyclo[5....	162	C11H14O	080707-63-7	22
2	Benzaldehyde, 4-butyl-	162	C11H14O	001200-14-2	16
3	Benzaldehyde, 4-butyl-	162	C11H14O	001200-14-2	14
4	Methyl 2-isothiocyanato-3-phenyl...	221	C11H11NO2S	068521-58-4	14
5	Benzenepropanoic acid, .alpha.-h...	180	C10H12O3	013674-16-3	12





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ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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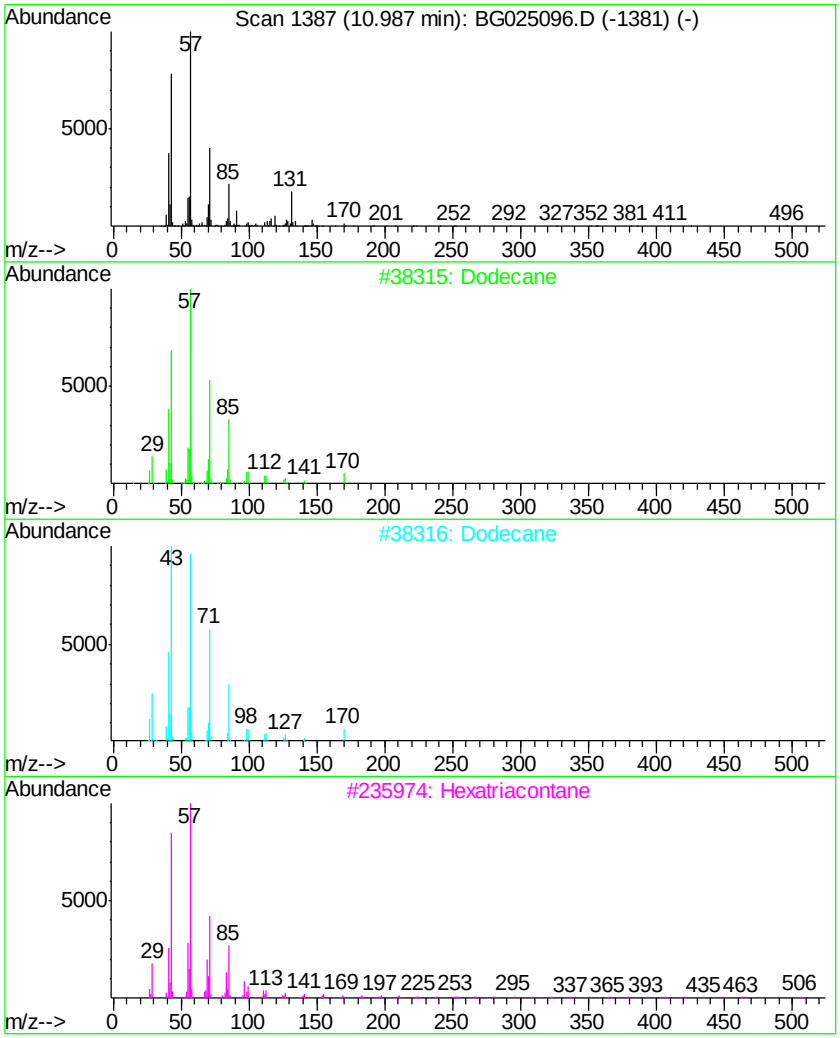
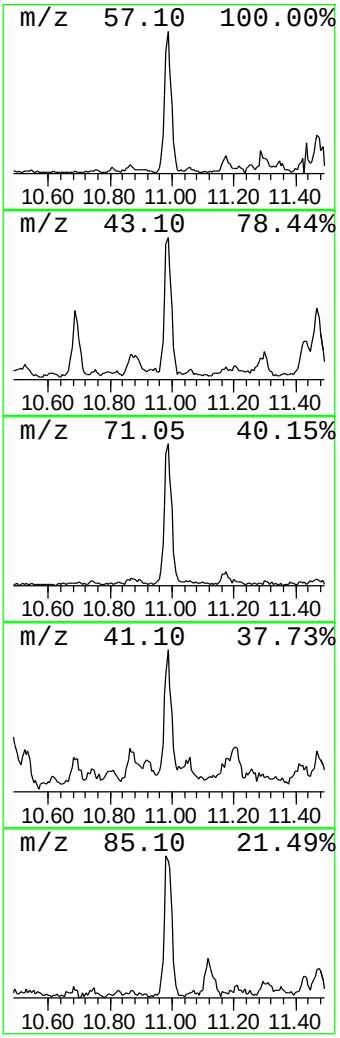
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	6.42 ng/ul	1195820	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	81
2	Dodecane	170	C12H26	000112-40-3	81
3	Hexatriacontane	507	C36H74	000630-06-8	59
4	Dodecane	170	C12H26	000112-40-3	53
5	Hexadecane	226	C16H34	000544-76-3	53





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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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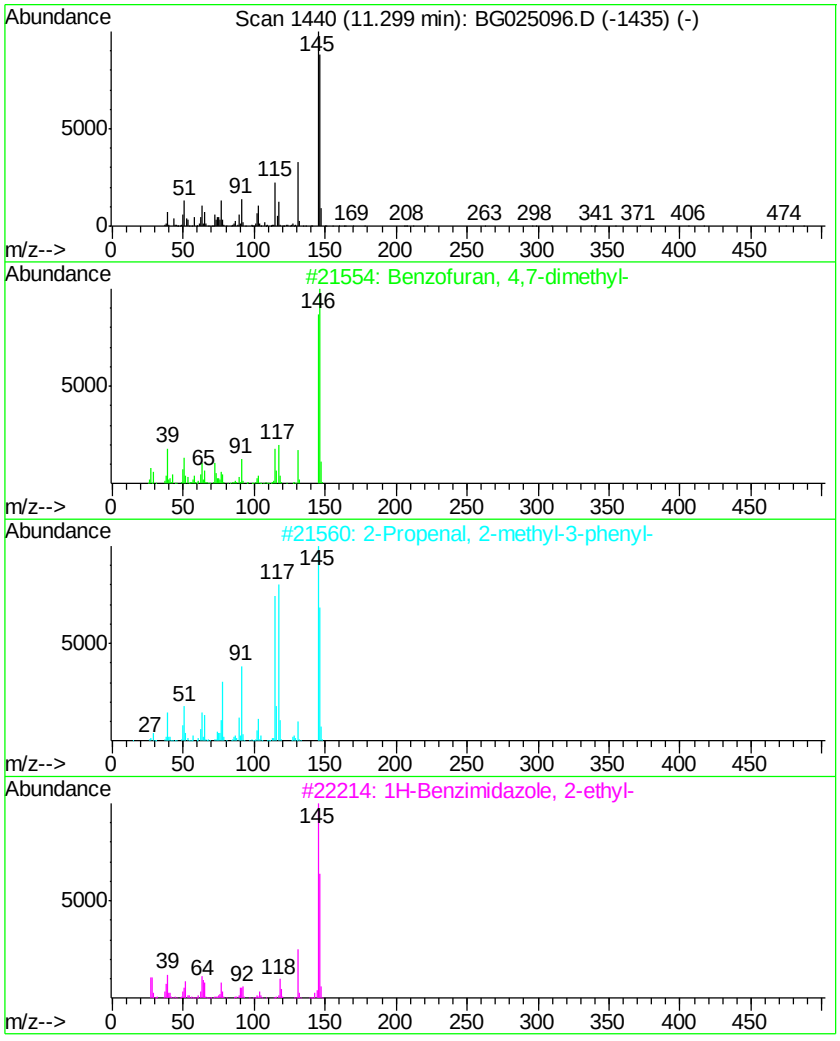
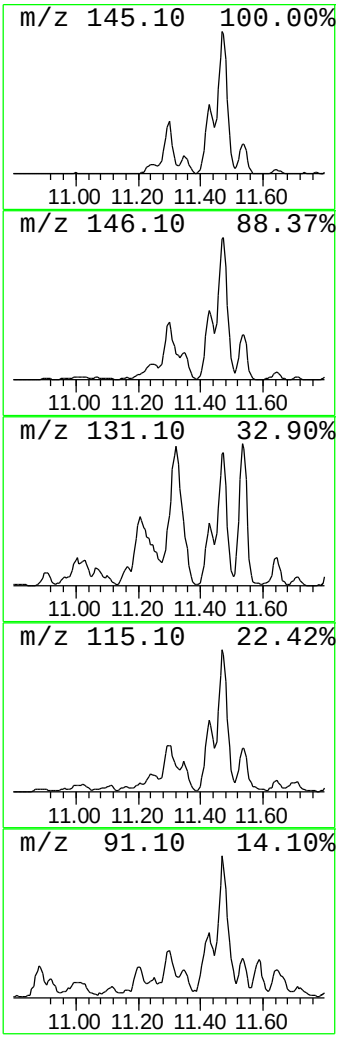
Peak Number 9 Benzofuran, 4,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	35.55 ng/ul	6618160	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	64
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	64
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	59
4	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	59
5	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	50





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Quant Title : SVOA CALIBRATION

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

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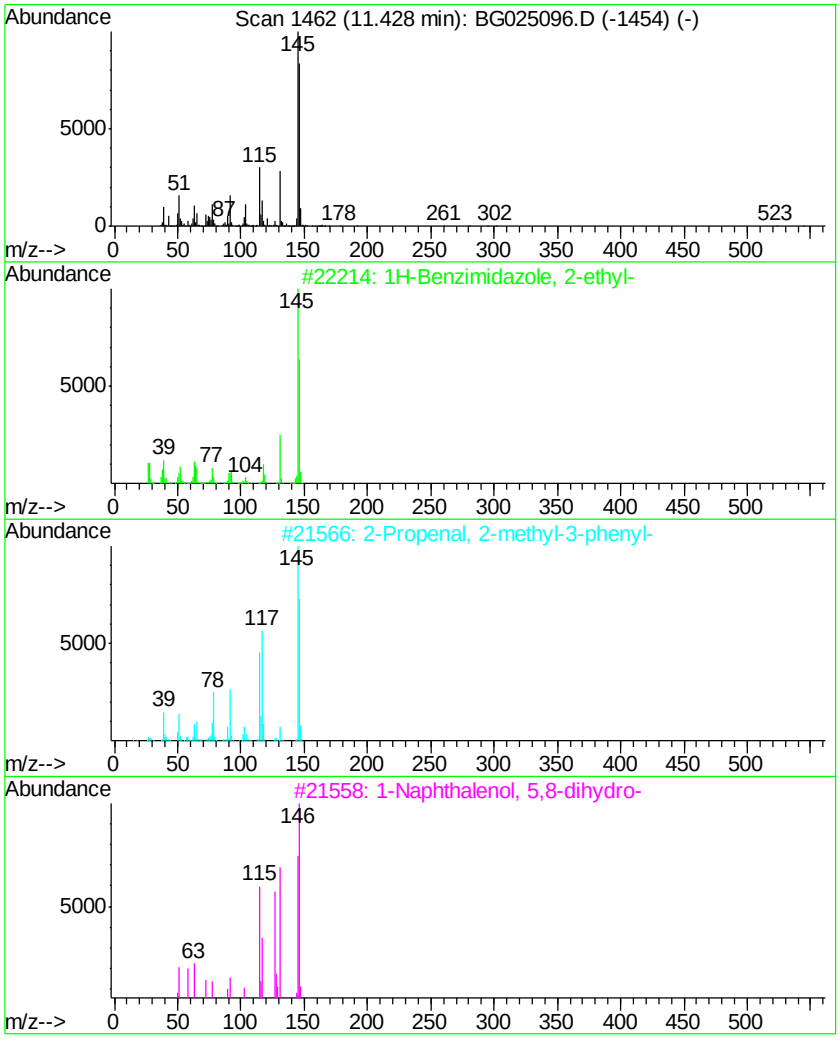
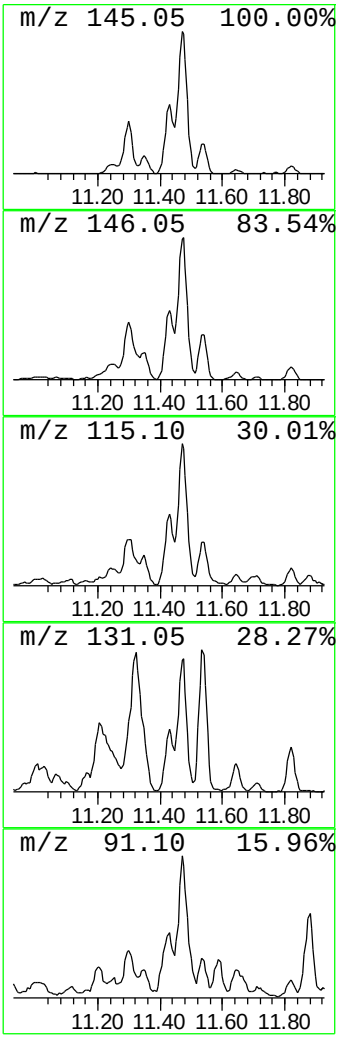
Peak Number 10 1H-Benzimidazole, 2-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	28.93 ng/ul	5387100	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	59
3	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	53
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	2-Thiophenecarboxaldehyde, 5-chl...	146	C5H3ClOS	007283-96-7	53





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Sample : H5905-18
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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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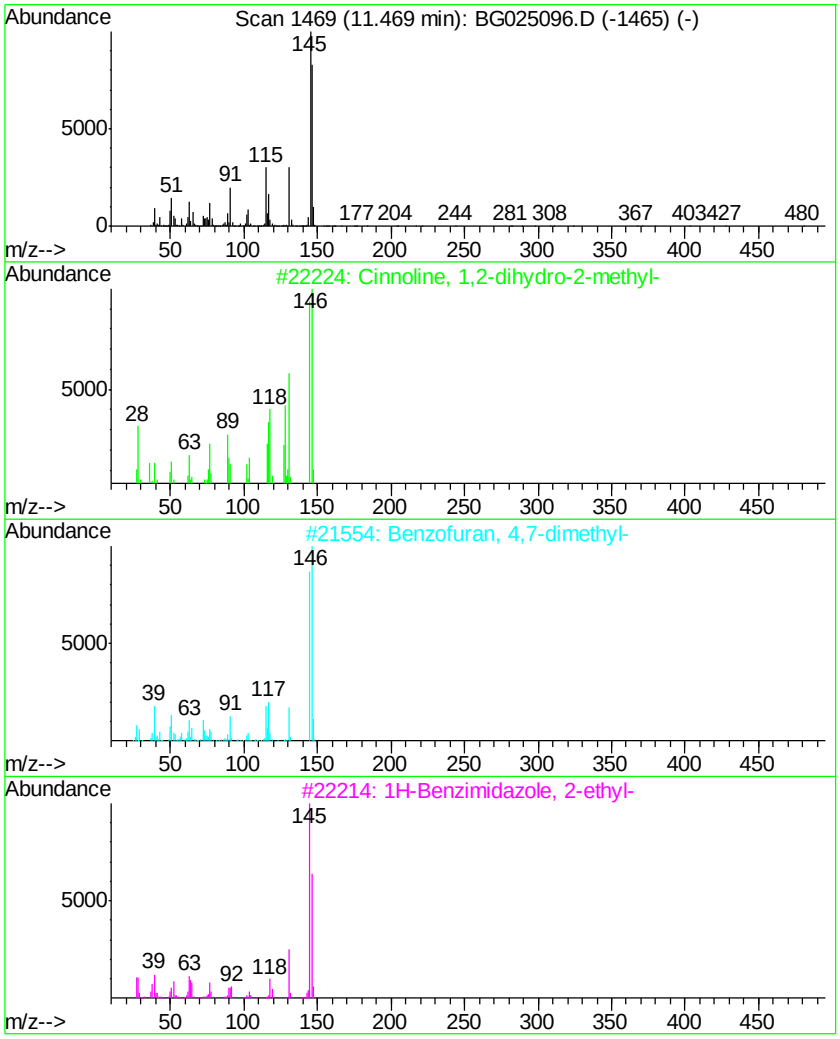
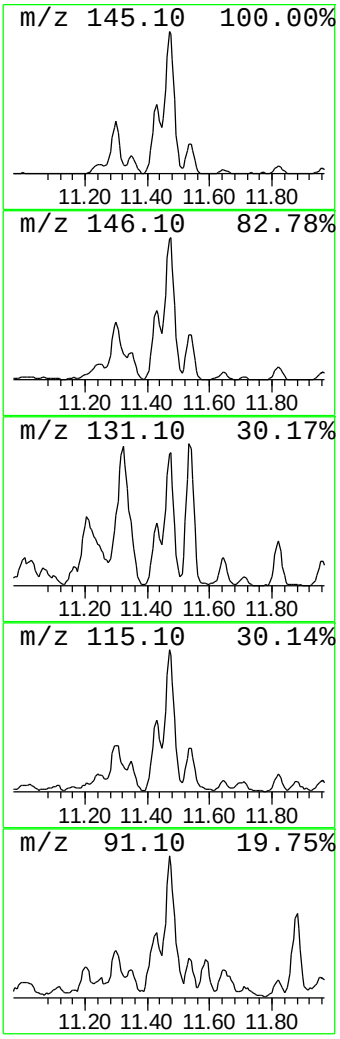
Peak Number 11 Cinnoline, 1,2-dihydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	57.36 ng/ul	10680700	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	83
2	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	80
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	72
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	59
5	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	59





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Sample : H5905-18
Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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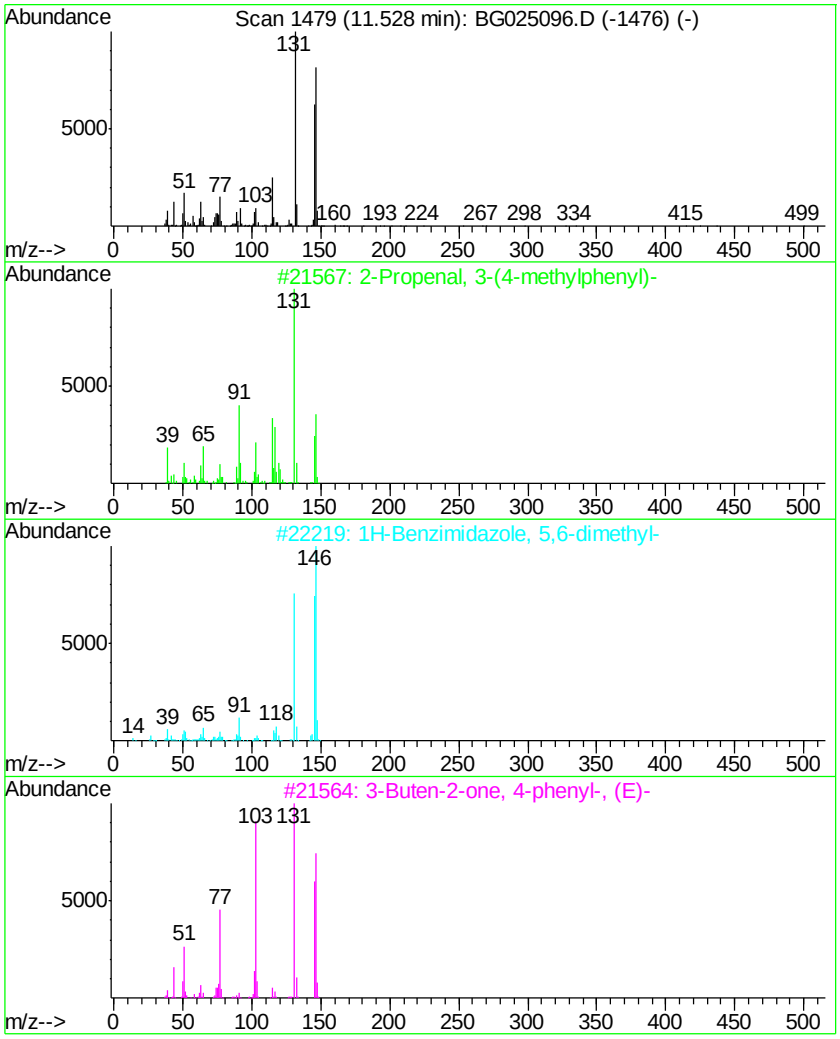
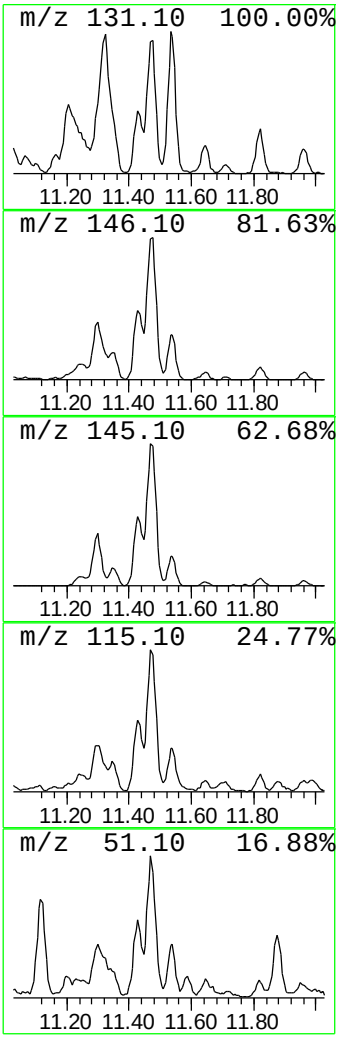
Peak Number 12 2-Propenal, 3-(4-methylphen... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	17.72 ng/ul	3299440	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	86
2	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	80
3	3-Buten-2-one, 4-phenyl-, (E)-	146	C10H10O	001896-62-4	72
4	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	72
5	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	72





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Quant Title : SVOA CALIBRATION

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

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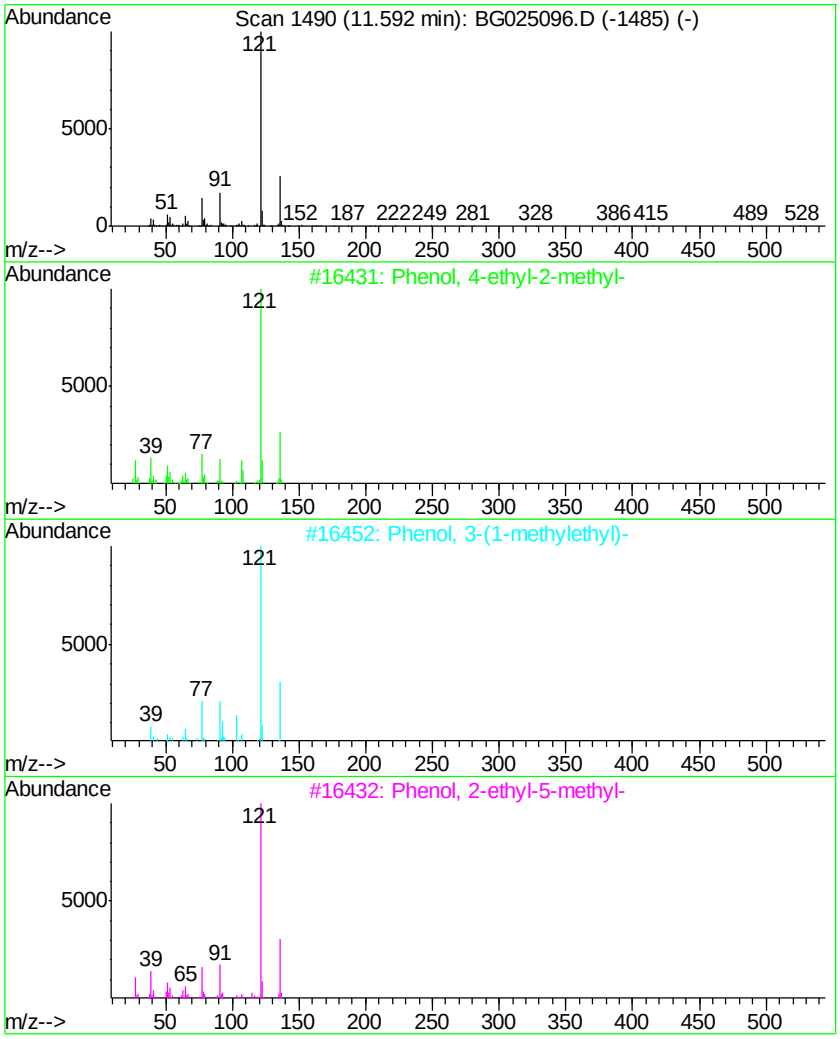
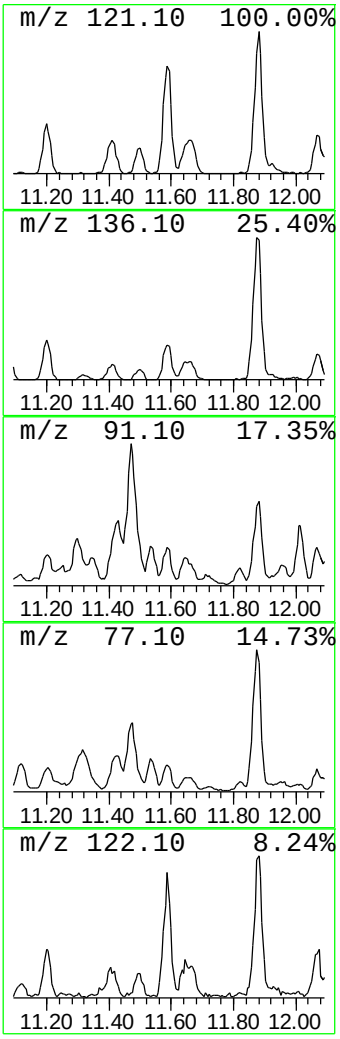
Peak Number 13 Phenol, 4-ethyl-2-methyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	7.13 ng/ul	1326660	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-2-methyl-	136	C9H12O	002219-73-0	91
2	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	91
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	91
4	Phenol, 4-ethyl-3-methyl-	136	C9H12O	001123-94-0	91
5	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	90





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Quant Title : SVOA CALIBRATION

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

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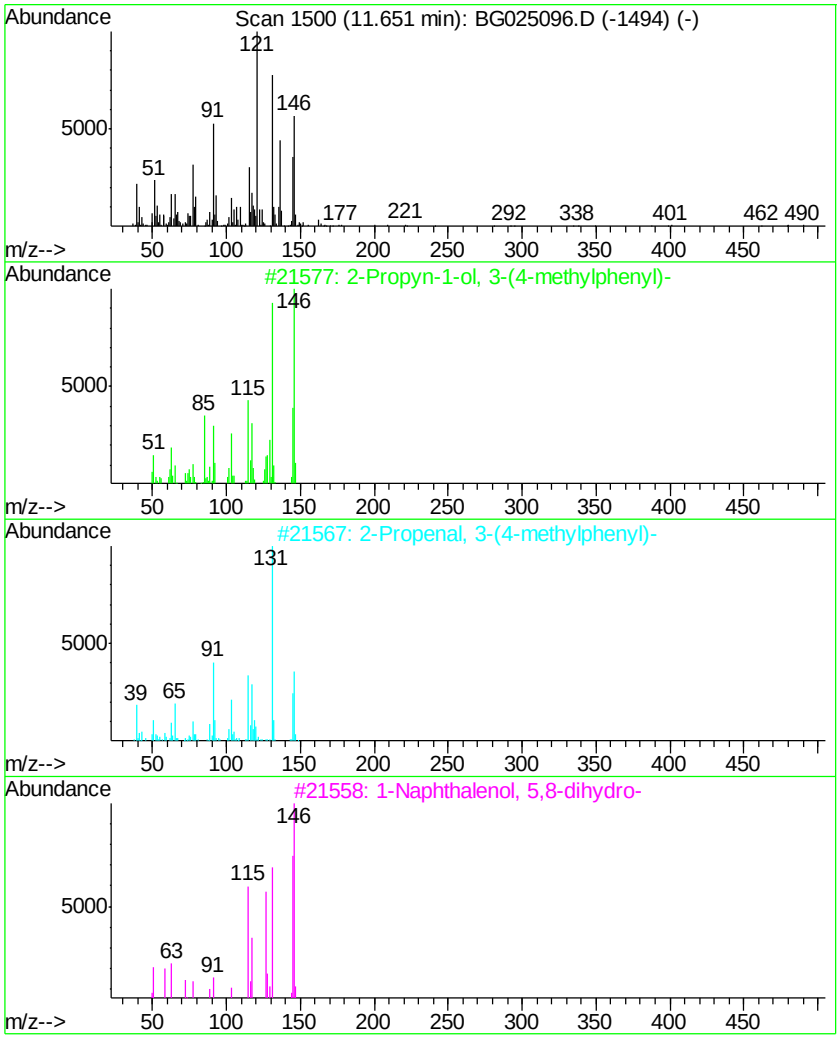
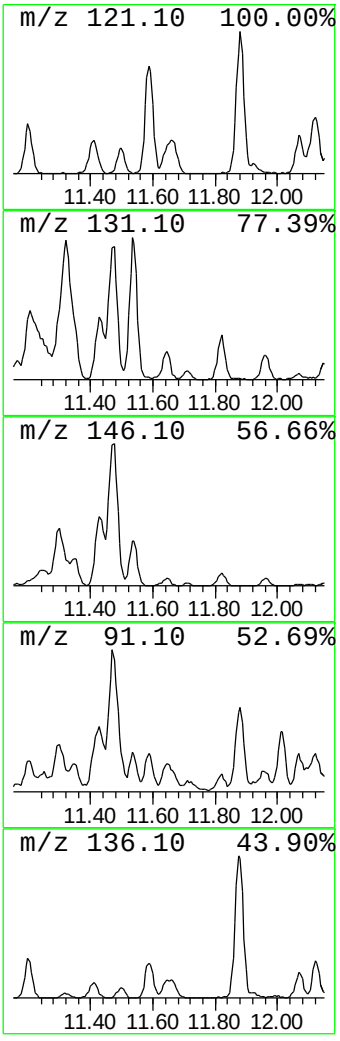
Peak Number 14 2-Propyn-1-ol, 3-(4-methylp... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	8.17 ng/ul	1521020	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	55
2	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	53
3	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	50
4	1,2-Dimethylbenzimidazole	146	C9H10N2	002876-08-6	49
5	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	49





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Quant Title : SVOA CALIBRATION

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

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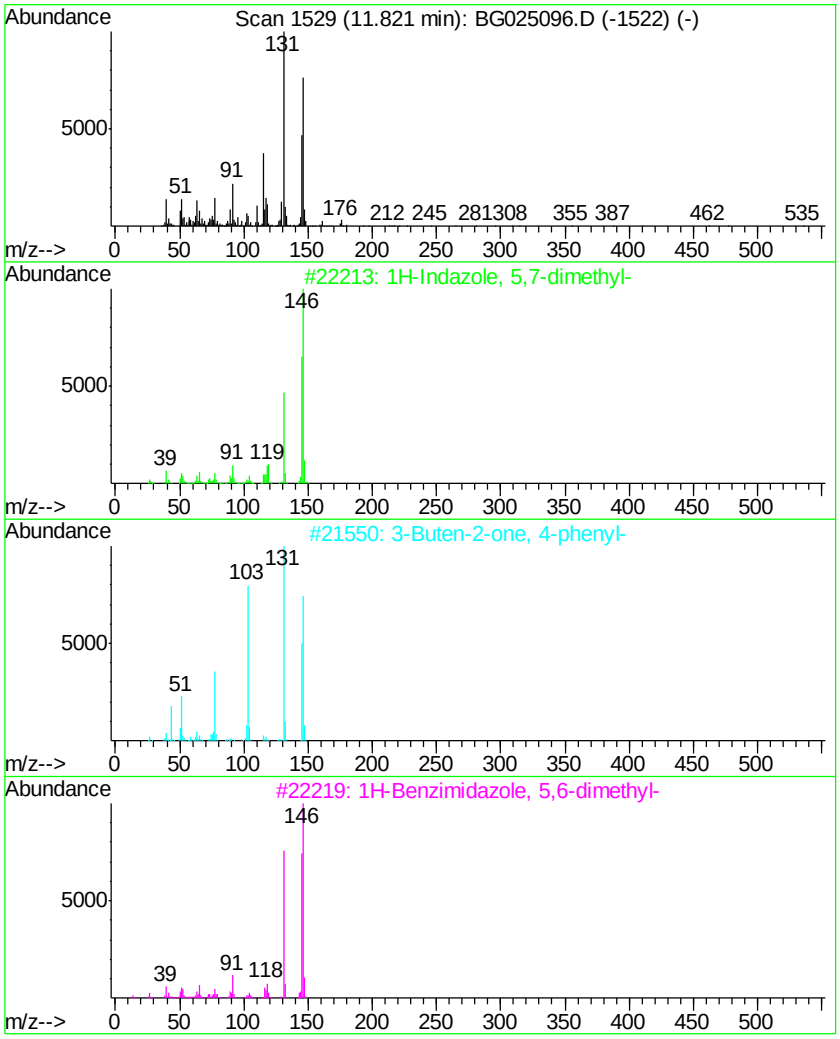
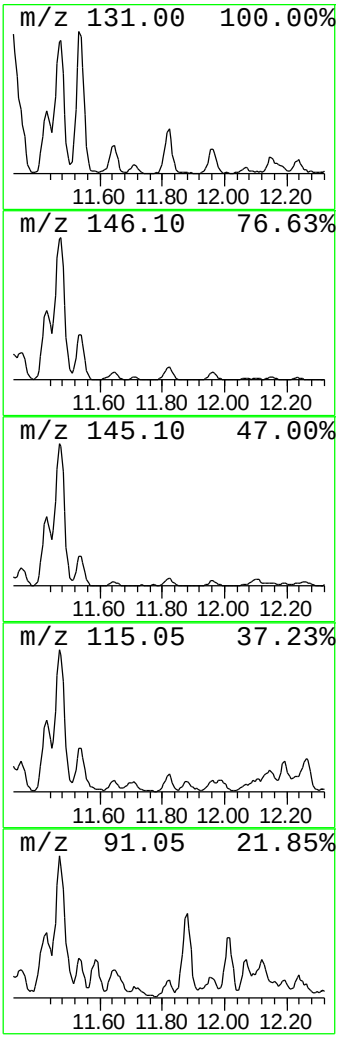
Peak Number 15 1H-Indazole, 5,7-dimethyl- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.21 ng/ul	1156220	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	81
2	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	72
3	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	72
4	3-Buten-2-one, 4-phenyl-	146	C10H10O	000122-57-6	72
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	68





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Quant Title : SVOA CALIBRATION

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

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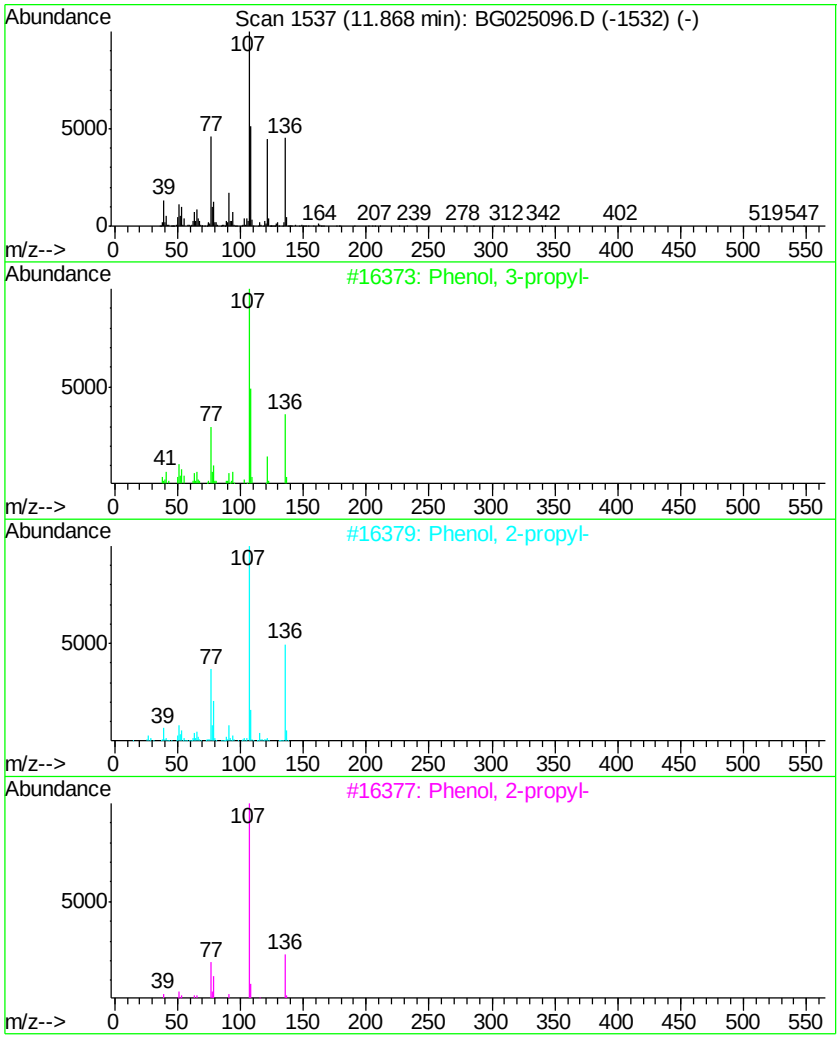
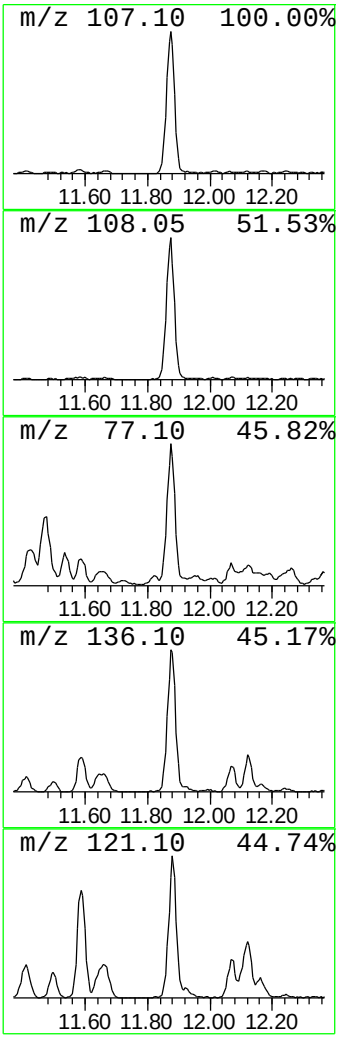
Peak Number 16 Phenol, 3-propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	27.02 ng/ul	5030010	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-propyl-	136	C9H12O	000621-27-2	91
2	Phenol, 2-propyl-	136	C9H12O	000644-35-9	64
3	Phenol, 2-propyl-	136	C9H12O	000644-35-9	58
4	Benzene, 1-ethoxy-4-methyl-	136	C9H12O	000622-60-6	49
5	2,5-Cyclohexadien-1-one, 3,4,4-t...	136	C9H12O	017429-31-1	49





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Sample : H5905-18
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TIC Integration Parameters: LSCINT.P

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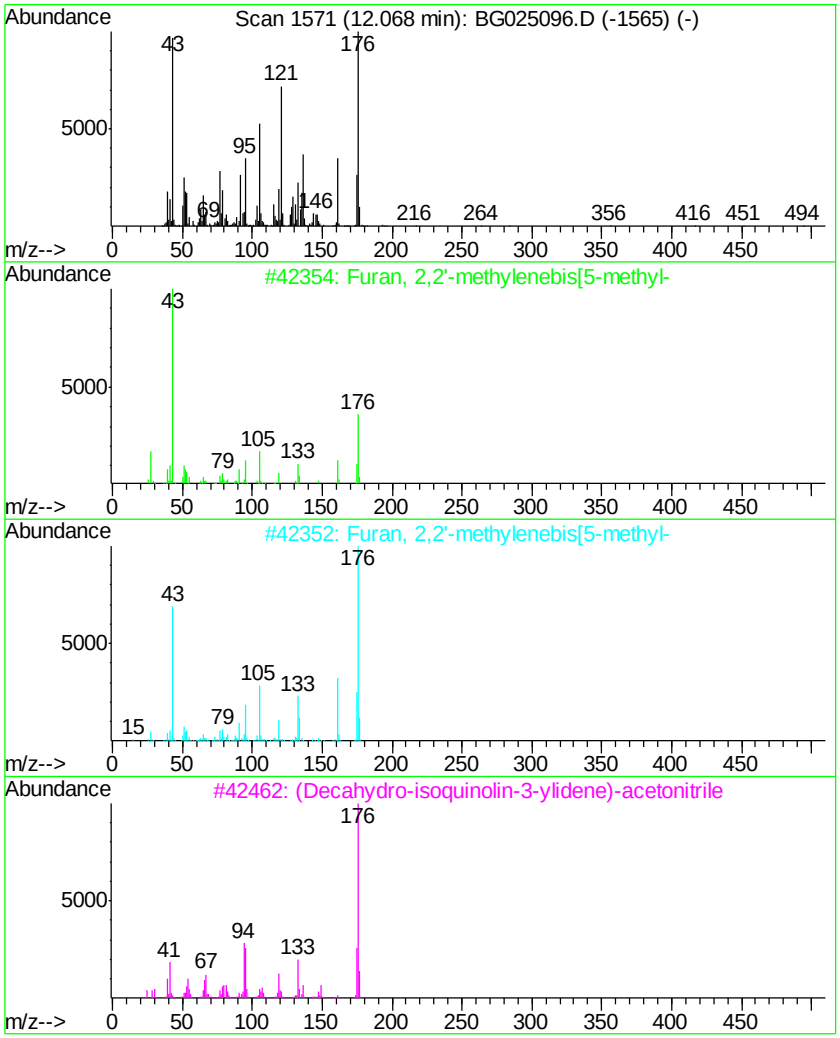
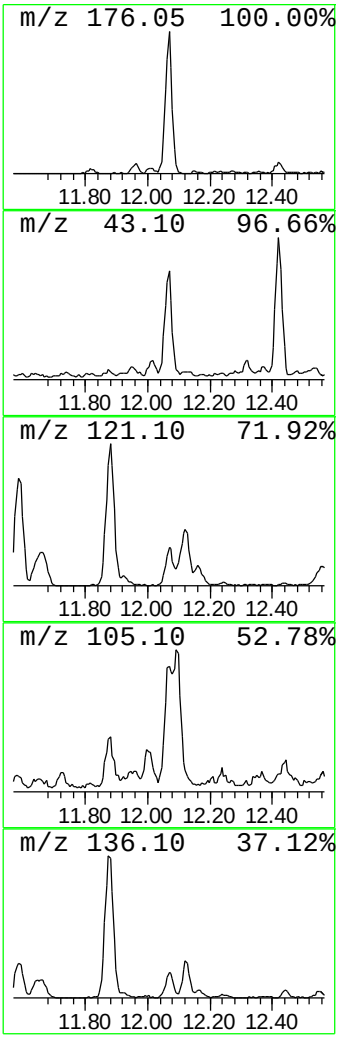
Peak Number 17 Furan, 2,2'-methylenebis[5-... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	14.47 ng/ul	2694480	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,2'-methylenebis[5-methyl-	176	C11H12O2	013679-43-1	64
2	Furan, 2,2'-methylenebis[5-methyl-	176	C11H12O2	013679-43-1	58
3	(Decahydro-isoquinolin-3-ylidene...	176	C11H16N2	1000185-70-0	53
4	2H-1-Benzopyran-2-one, 8-methoxy-	176	C10H8O3	002445-81-0	43
5	1,2-Dihydro-4-methoxy-1-oxophtha...	176	C9H8N2O2	019807-84-2	43





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Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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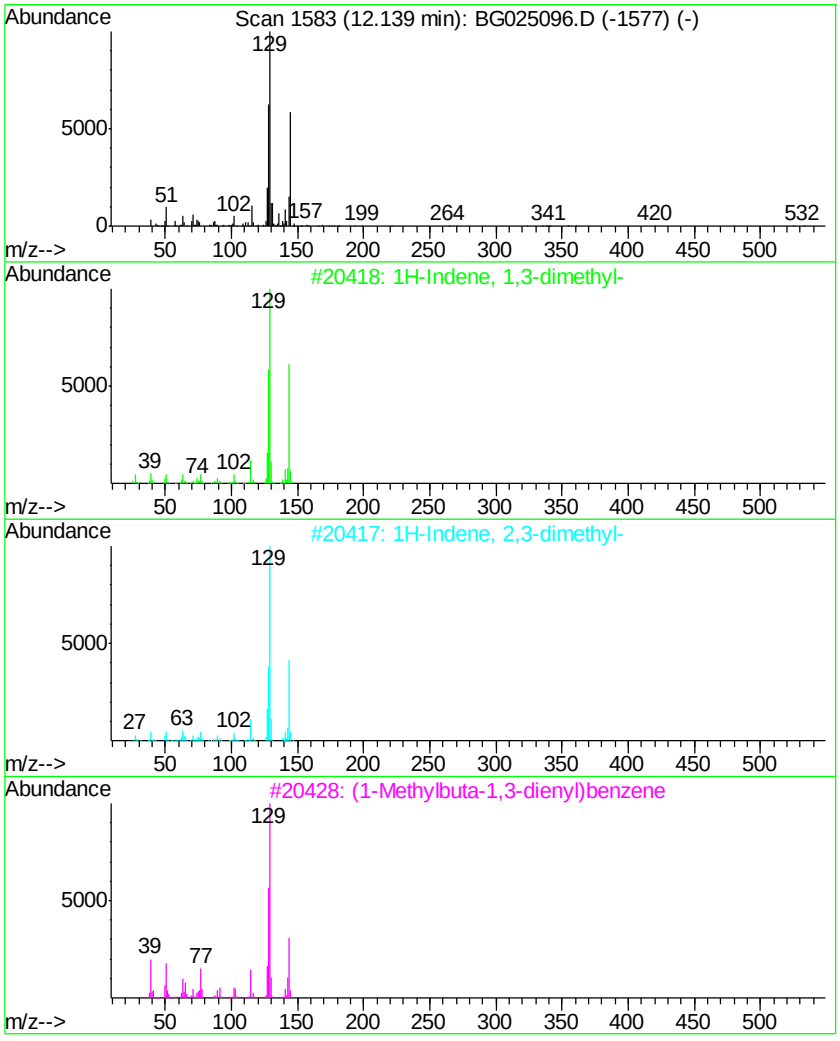
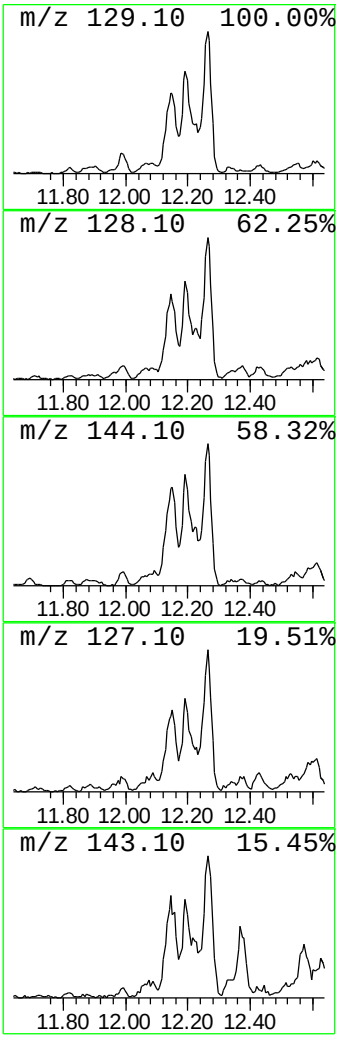
Peak Number 18 1H-Indene, 1,3-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	15.98 ng/ul	2975210	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	87
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	87
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	81
5	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	80





Library Search Compound Report

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Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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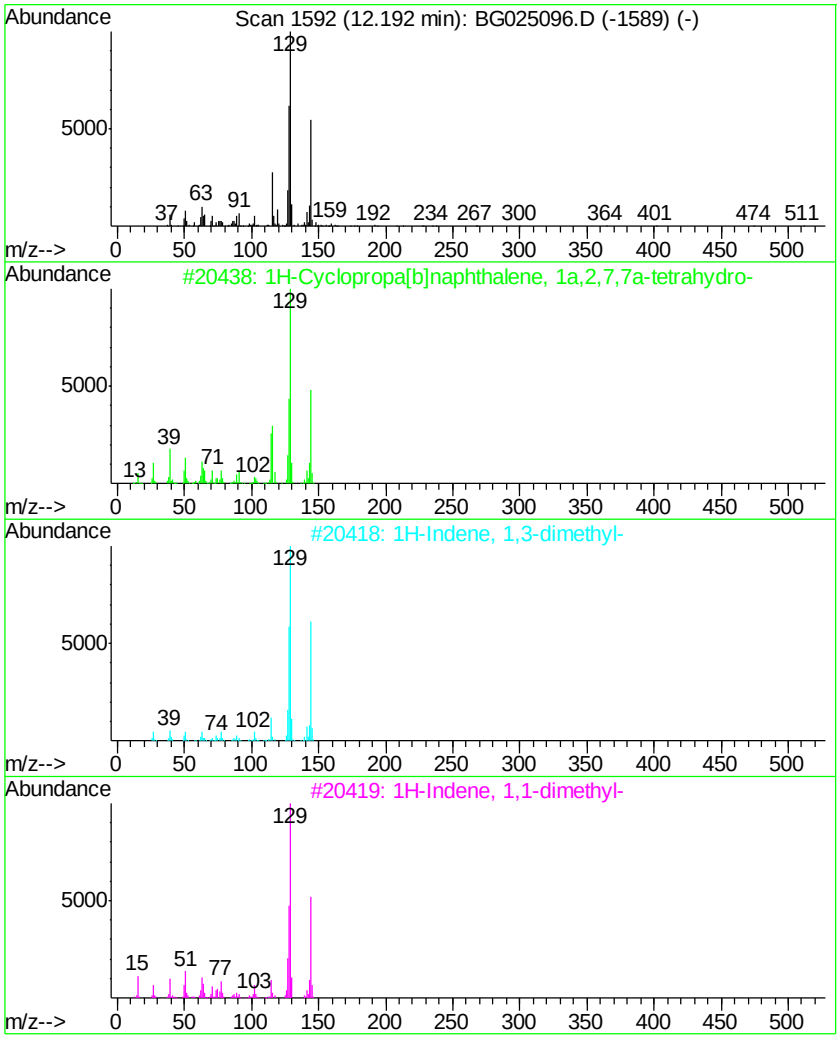
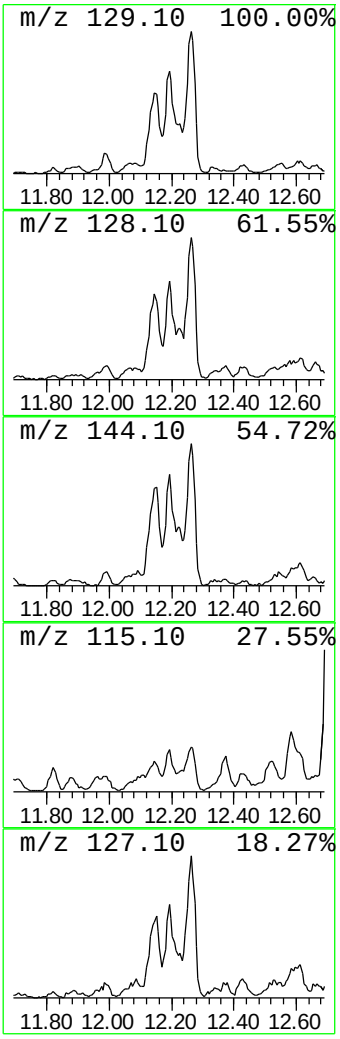
Peak Number 19 1H-Cyclopropa[b]naphthalene... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	9.14 ng/ul	1702140	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	90
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	90
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
4	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	86
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	83





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Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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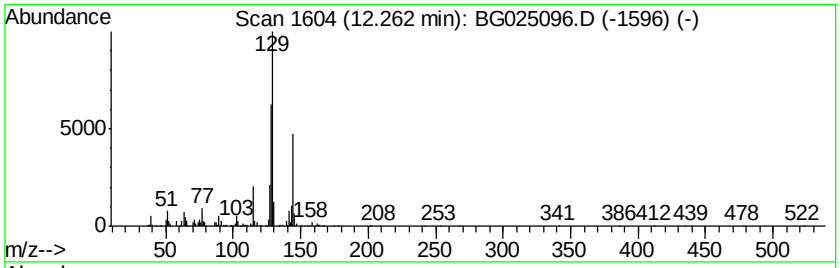
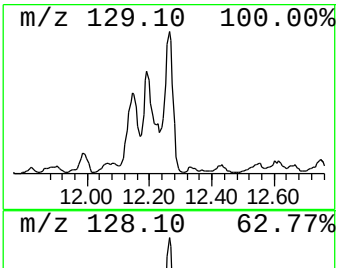
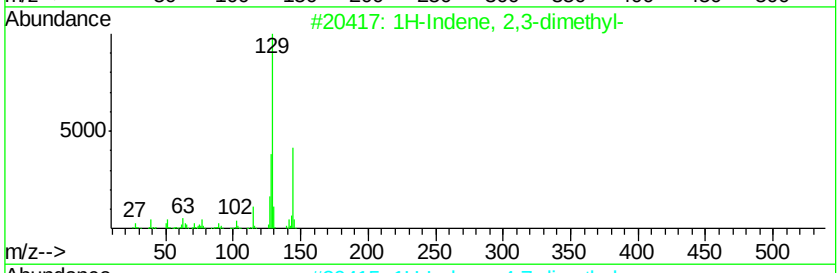
Peak Number 20 1H-Indene, 2,3-dimethyl- Concentration Rank 36

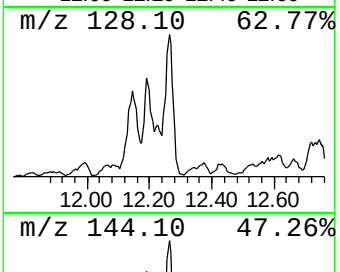
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	19.08 ng/ul	3552510	Naphthalene-d8	11.06

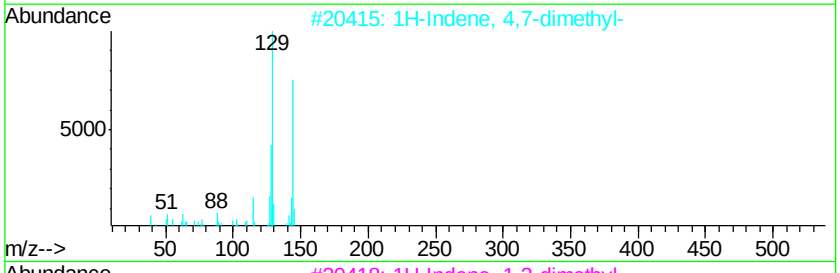
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	95
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	94
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	93
4	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	90
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90

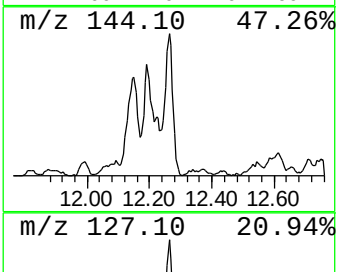


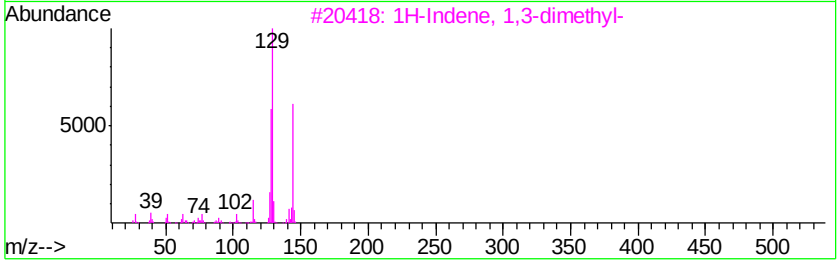


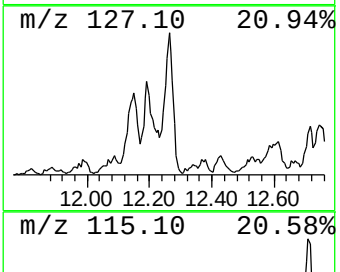


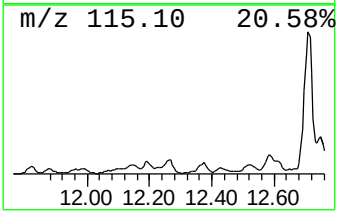












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Instrument : BNA_G
ClientSampleId : DA817

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

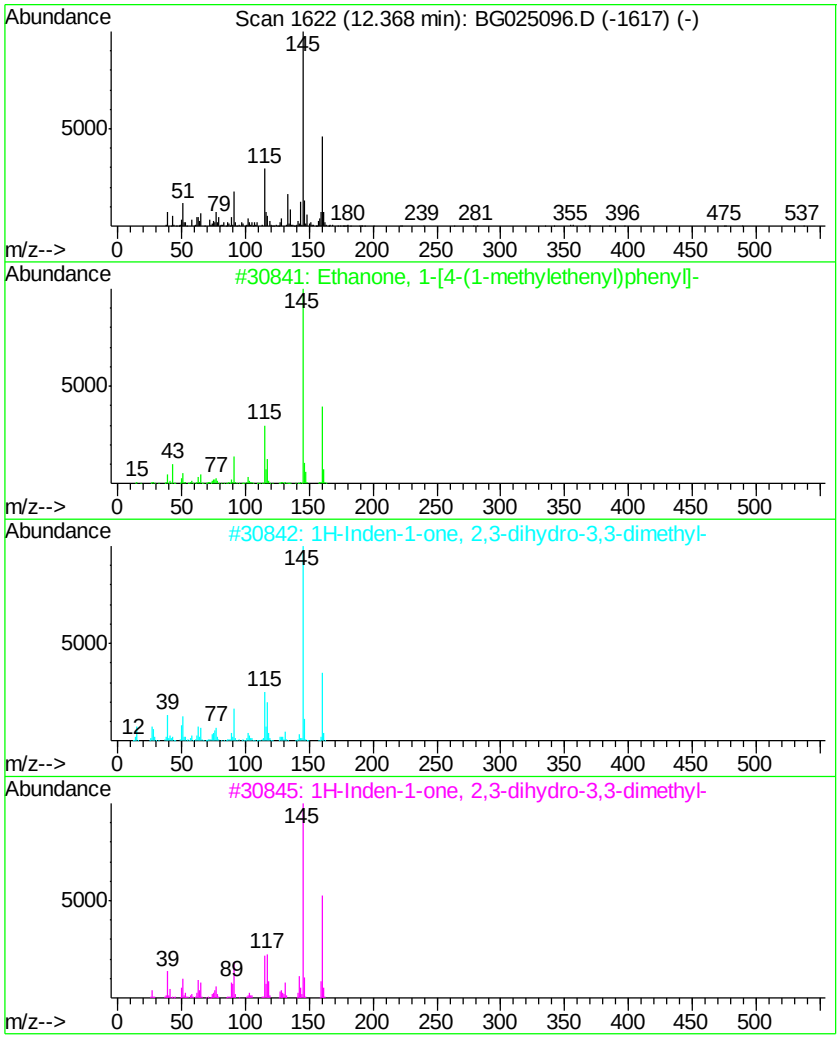
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

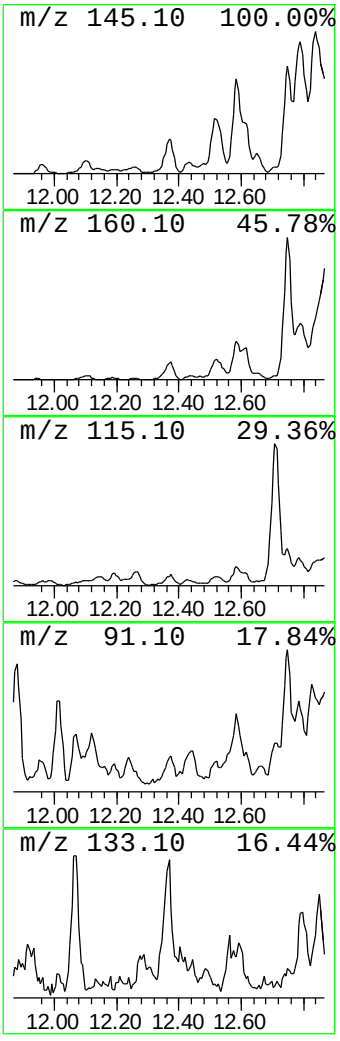
****

Peak Number 21 Ethanone, 1-[4-(1-methyleth... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	5.60 ng/ul	1041930	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	90
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	81
3	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	72
4	1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64





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Sample : H5905-18
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

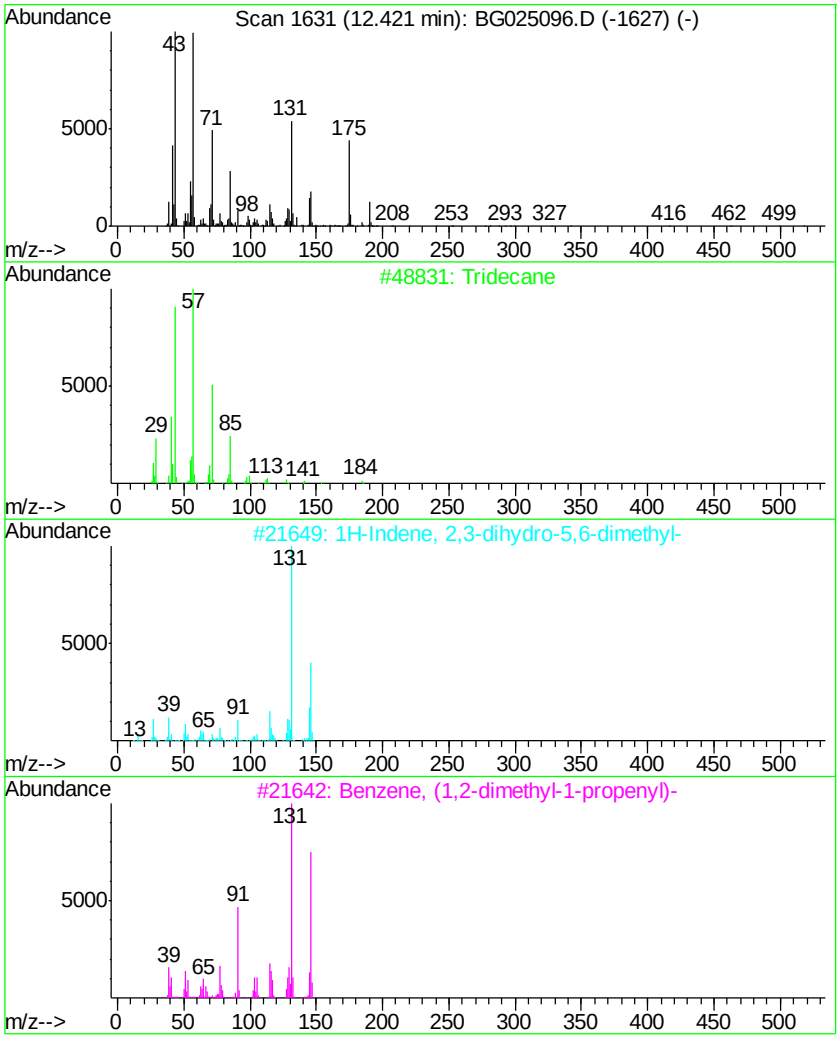
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

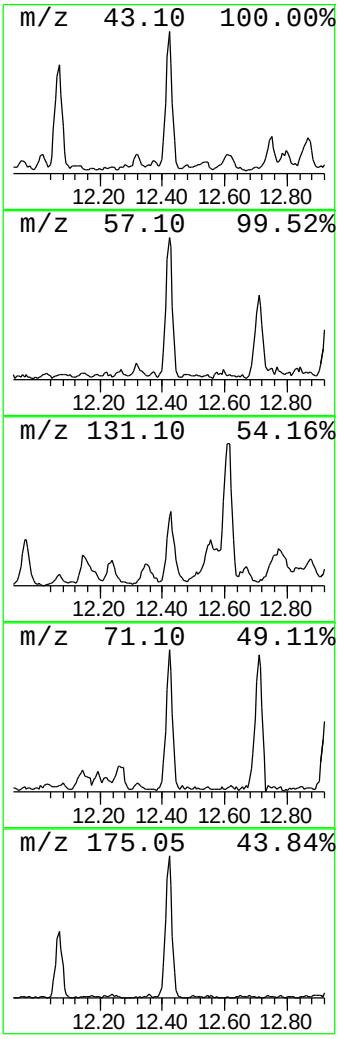
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	12.92 ng/ul	2405580	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	81
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	38
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	35
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	35
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	35





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Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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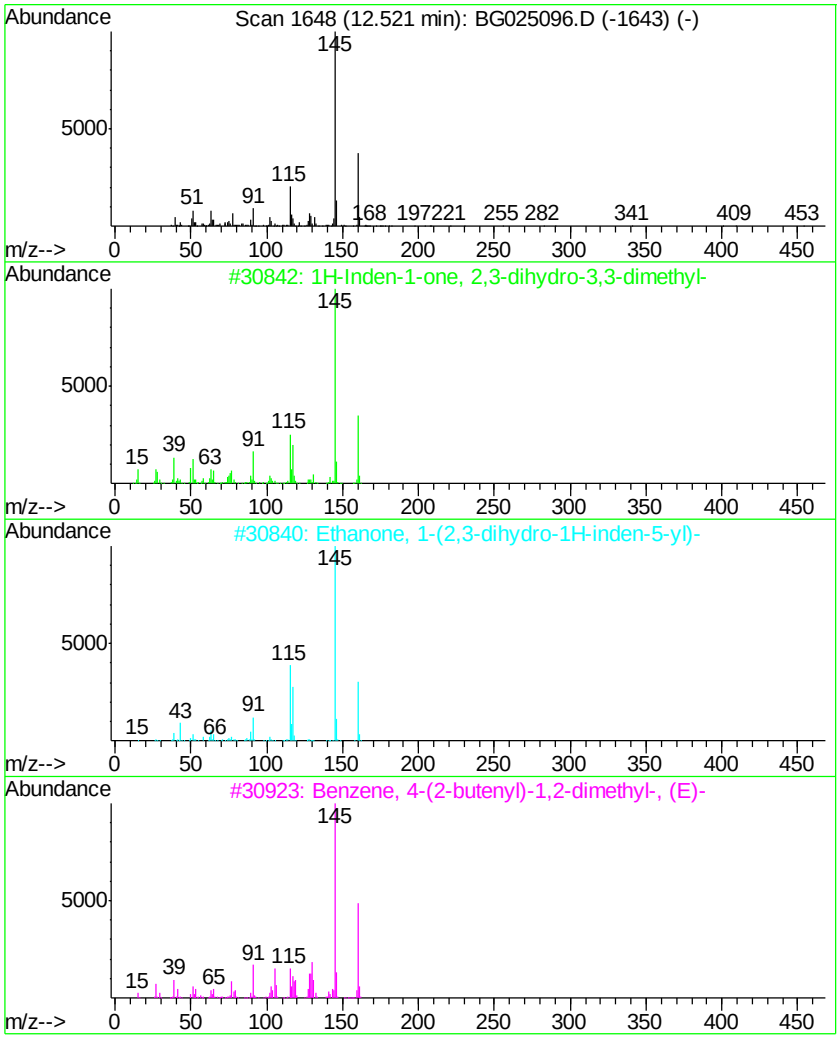
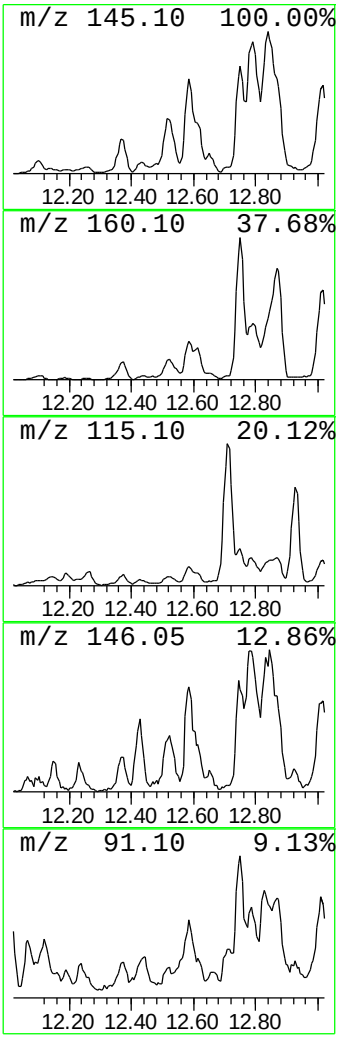
Peak Number 23 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	7.26 ng/ul	1352500	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	87
2	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	87
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	83
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	83
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	80





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Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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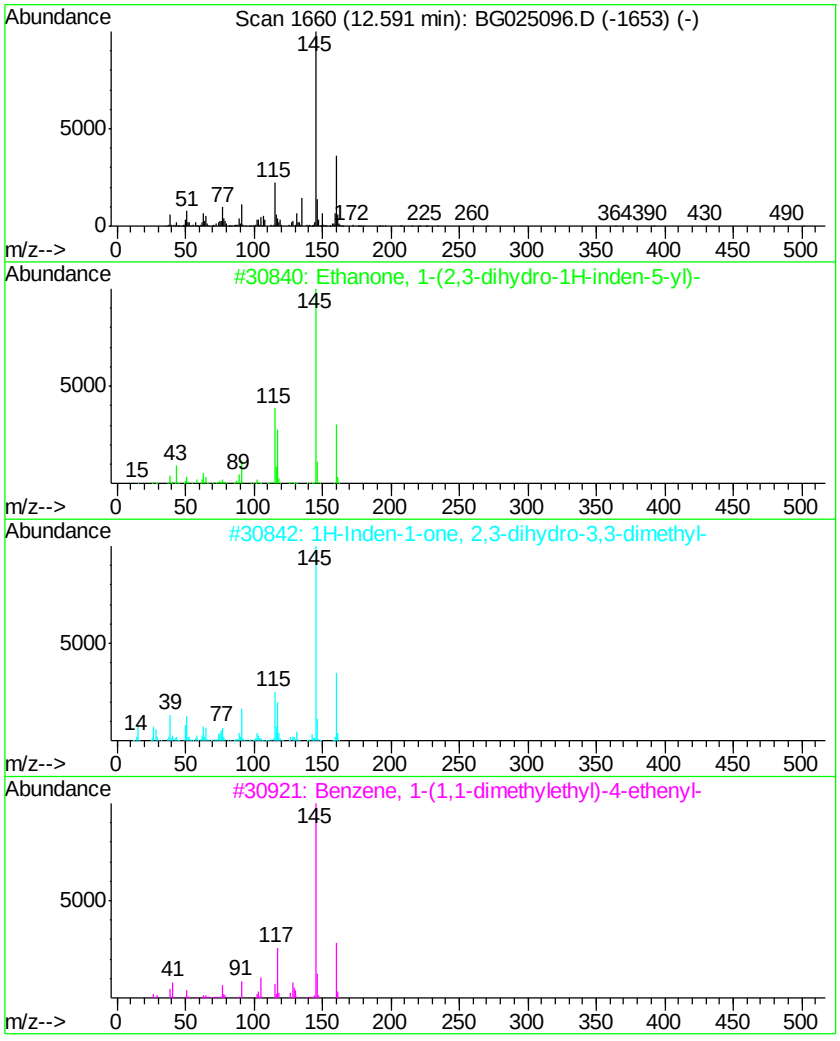
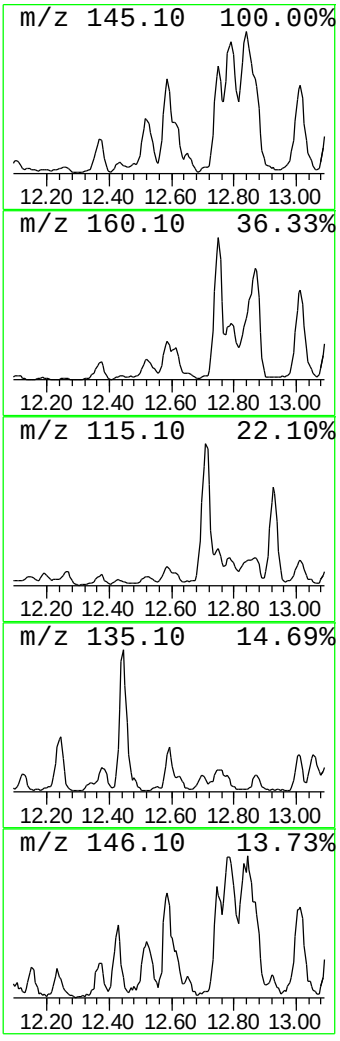
Peak Number 24 Ethanone, 1-(2,3-dihydro-1H... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	21.55 ng/ul	4011790	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	87
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	87
3	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	64
4	FENAZAQUIN	306	C20H22N2O	120928-09-8	59
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	59





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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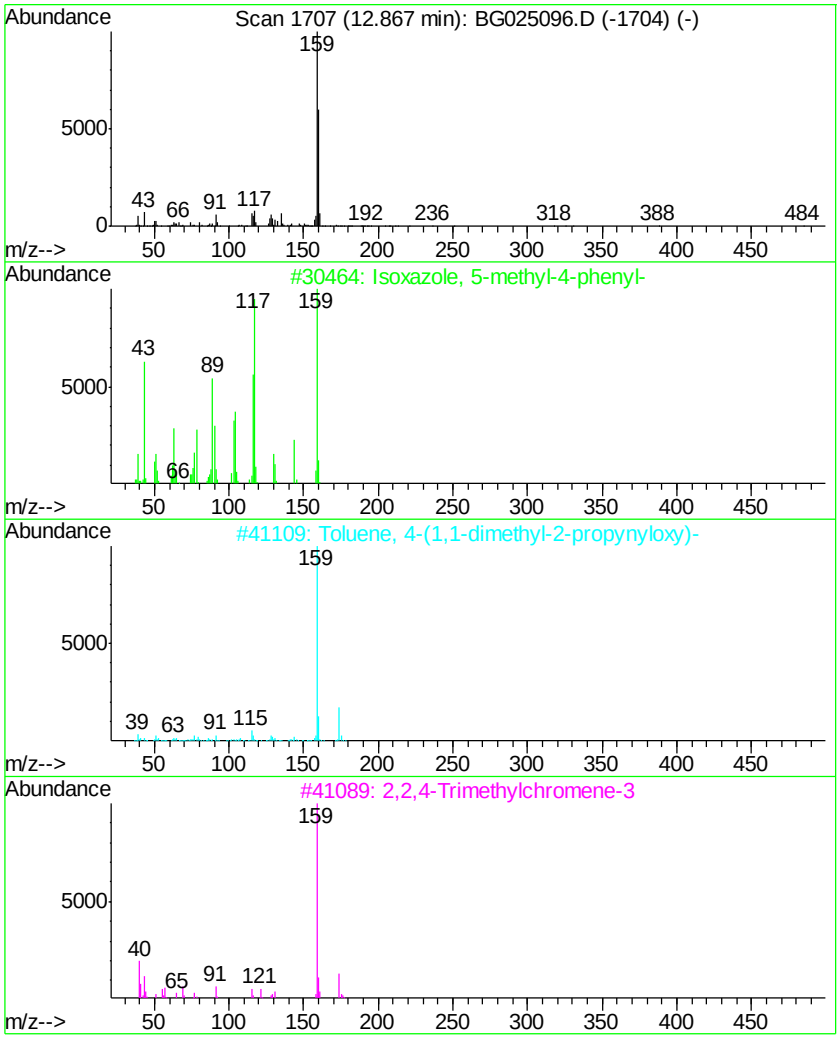
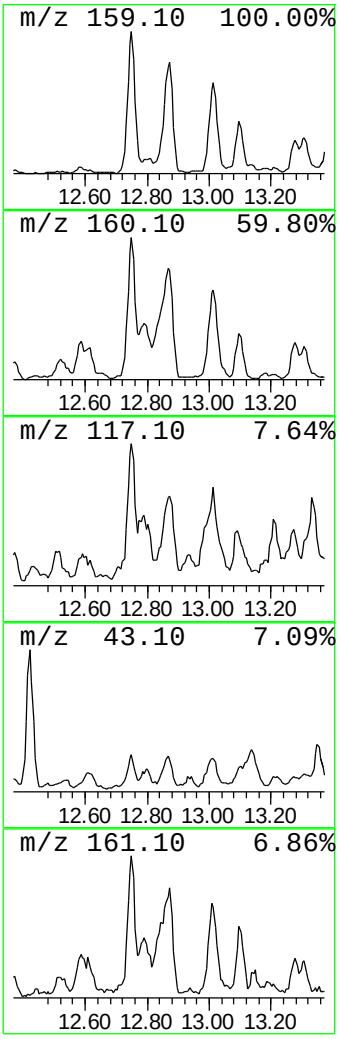
Peak Number 26 unknown-02 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	19.17 ng/ul	3569010	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	47
2	Toluene, 4-(1,1-dimethyl-2-propy...	174	C12H14O	082719-54-8	40
3	2,2,4-Trimethylchromene-3	174	C12H14O	017937-04-1	33
4	1-Methyl-2-formylindole	159	C10H9NO	027421-51-8	28
5	Quinoline, 4-methyl-, 1-oxide	159	C10H9NO	004053-40-1	28





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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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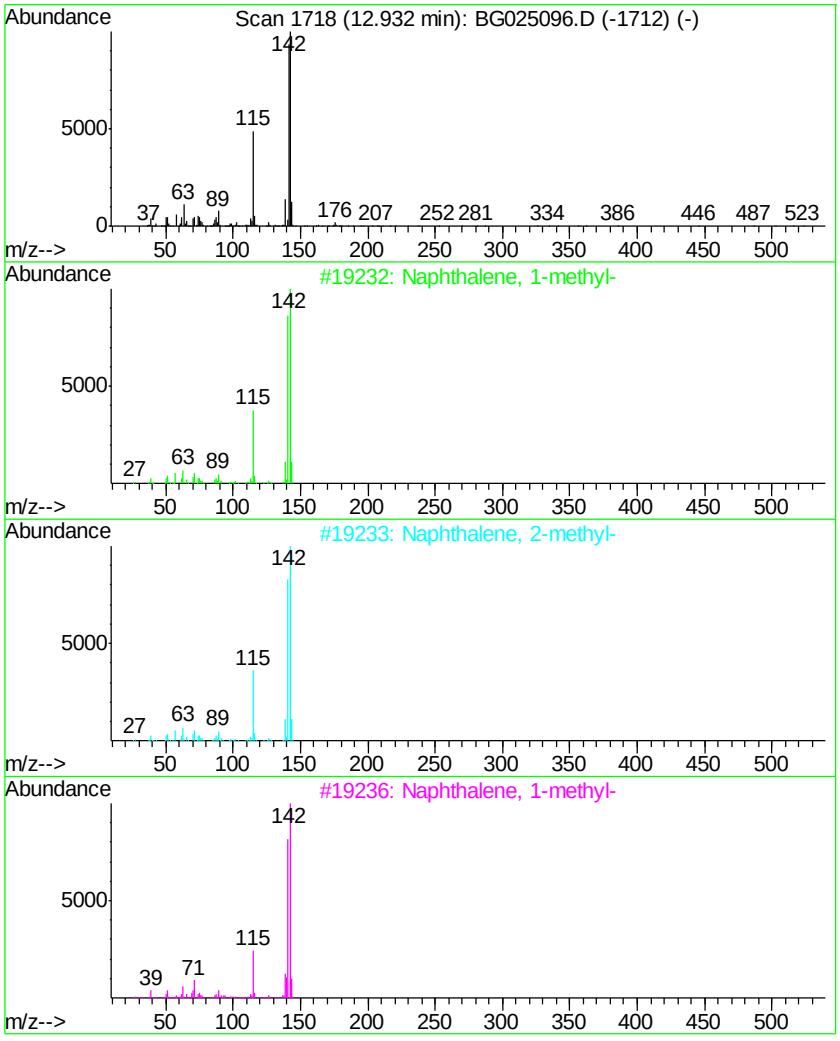
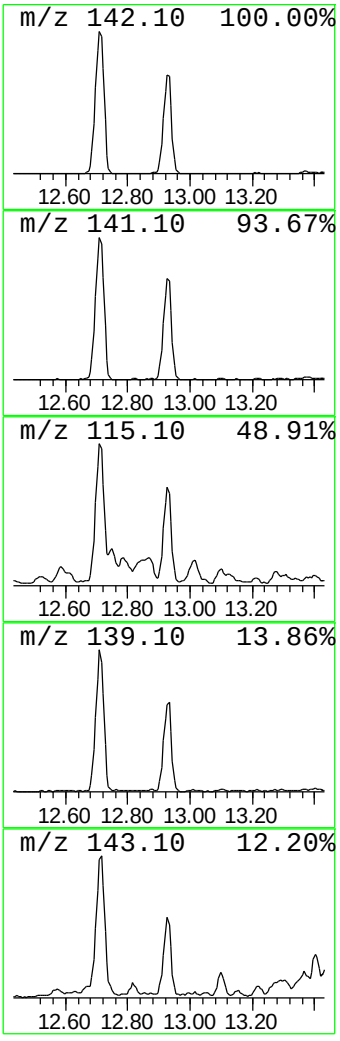
Peak Number 27 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	38.32 ng/ul	7134460	Naphthalene-d8	11.06

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





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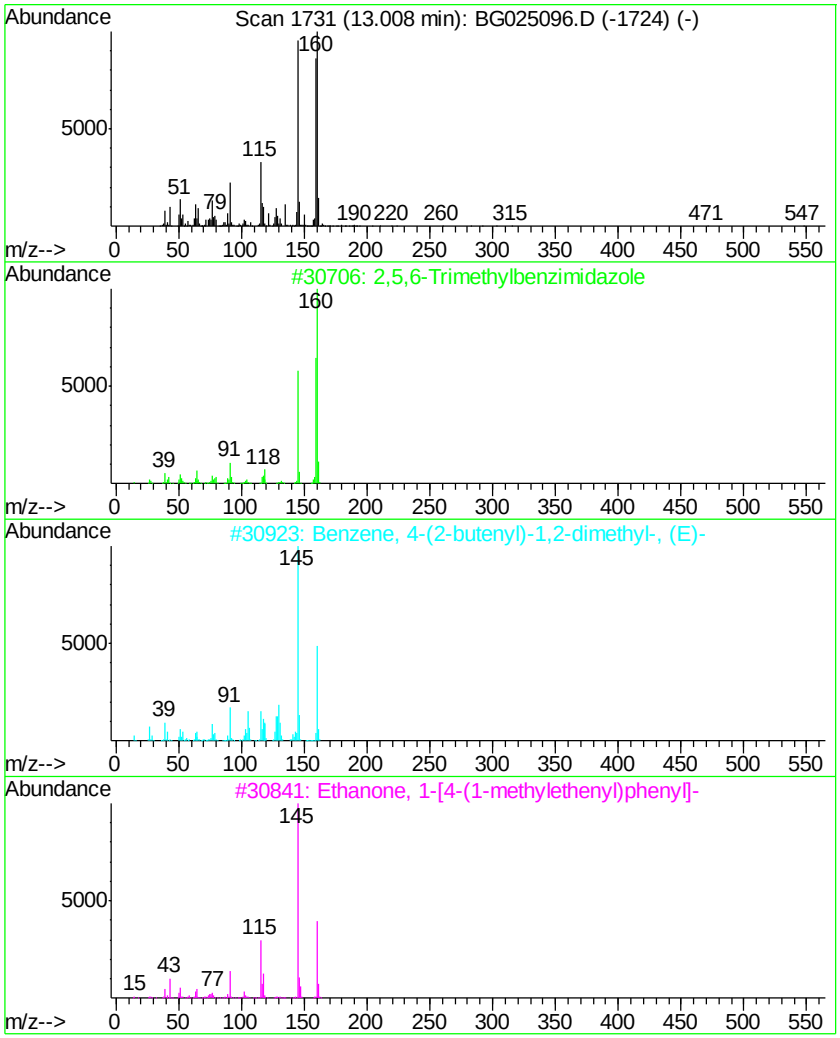
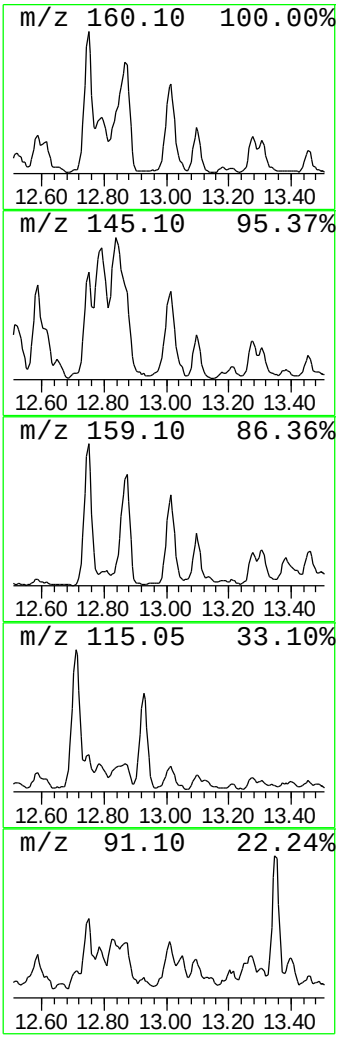
Peak Number 28 2,5,6-Trimethylbenzimidazole Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	59.82 ng/ul	5863150	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	90
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	60
3	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	58
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	58
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	53





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Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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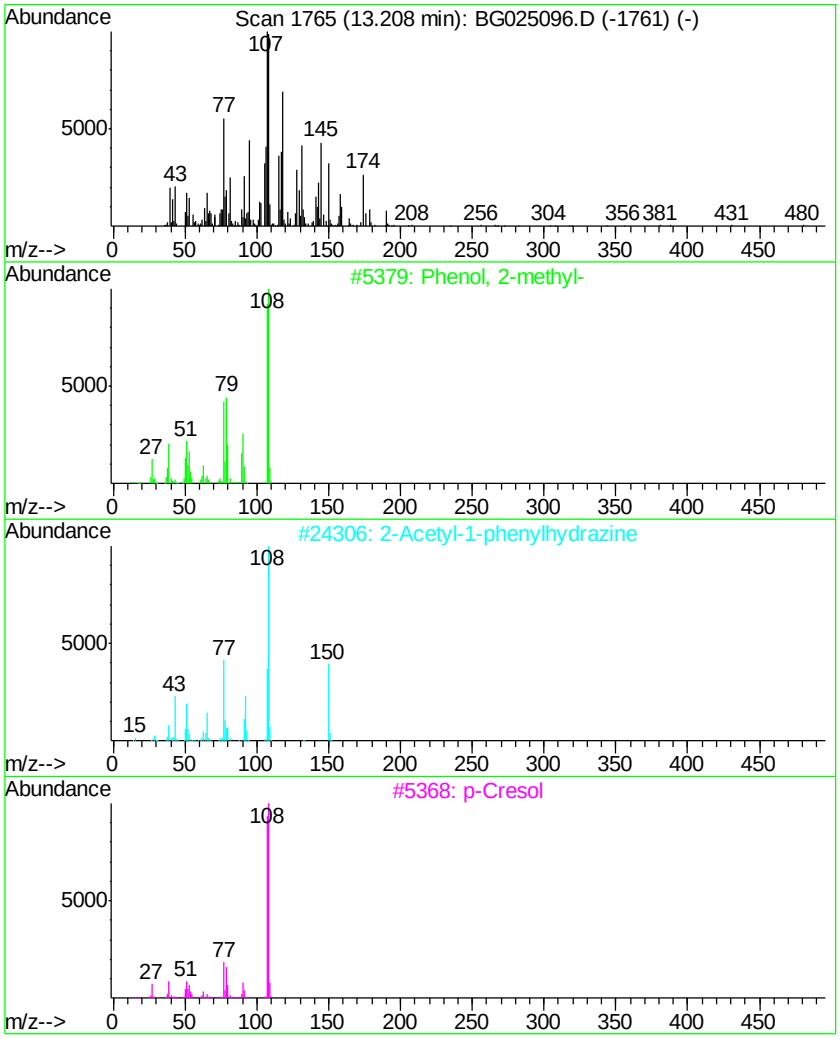
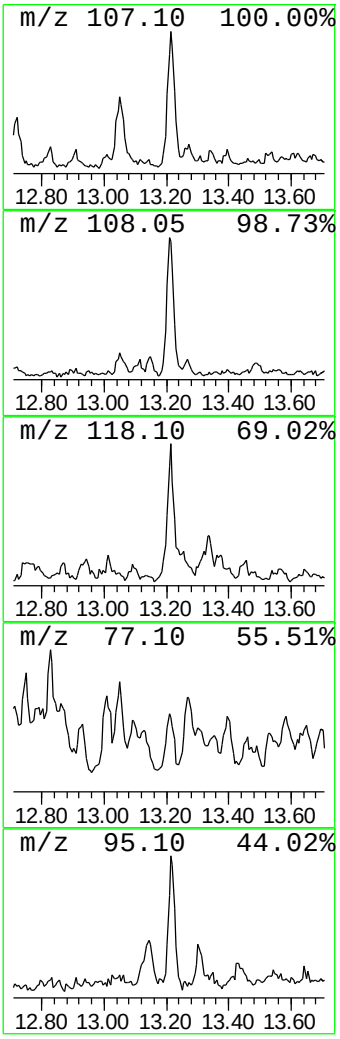
Peak Number 30 unknown-03 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	13.05 ng/ul	1279110	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methyl-	108	C7H8O	000095-48-7	35
2	2-Acetyl-1-phenylhydrazine	150	C8H10N2O	000114-83-0	35
3	p-Cresol	108	C7H8O	000106-44-5	30
4	Phenol, 3-methyl-	108	C7H8O	000108-39-4	30
5	p-Cresol	108	C7H8O	000106-44-5	27





Library Search Compound Report

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Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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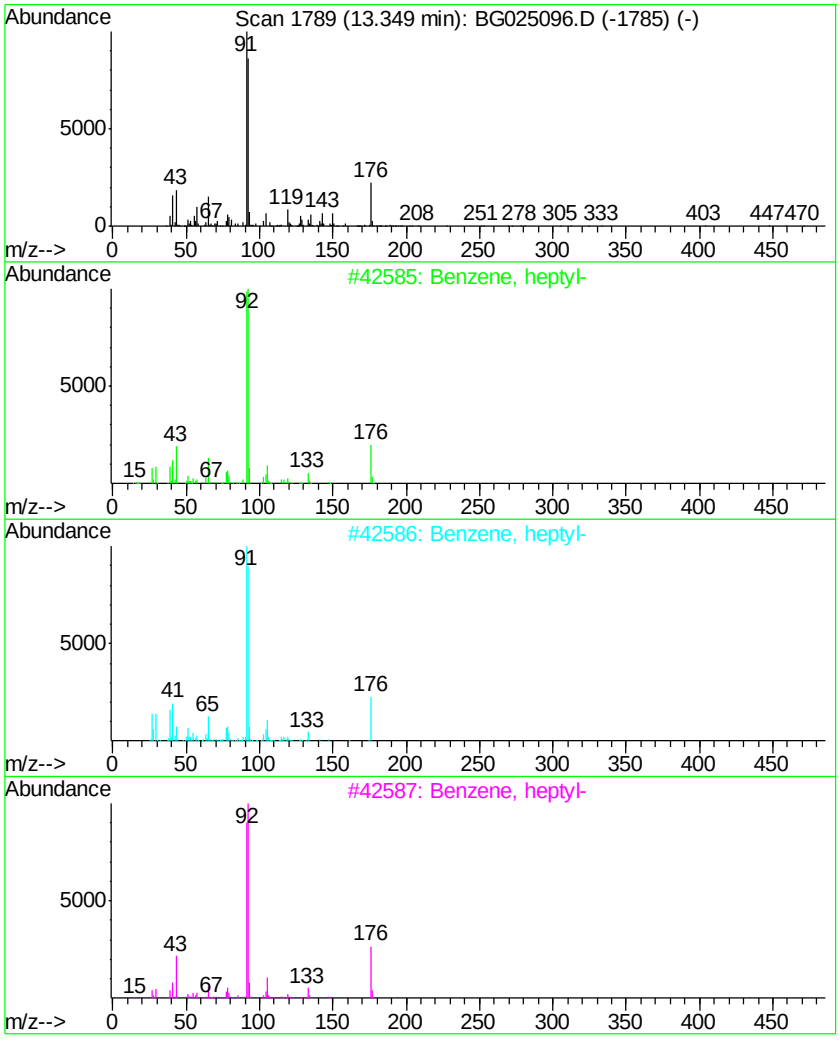
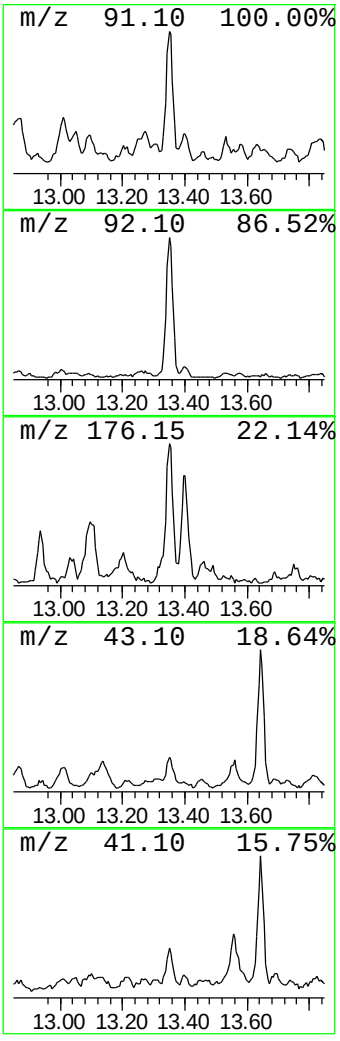
Peak Number 32 Benzene, heptyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	11.74 ng/ul	1150590	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, heptyl-	176	C13H20	001078-71-3	74
2	Benzene, heptyl-	176	C13H20	001078-71-3	72
3	Benzene, heptyl-	176	C13H20	001078-71-3	64
4	Benzene, hexyl-	162	C12H18	001077-16-3	53
5	Benzene, pentyl-	148	C11H16	000538-68-1	50





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Sample : H5905-18
Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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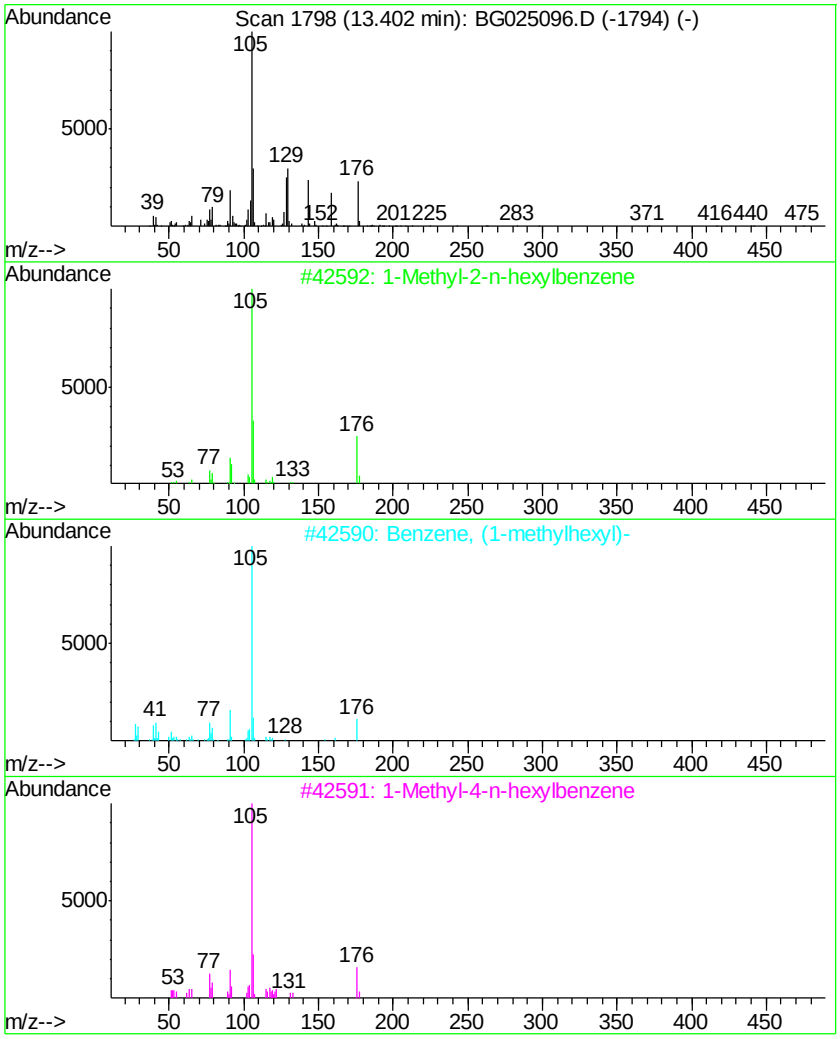
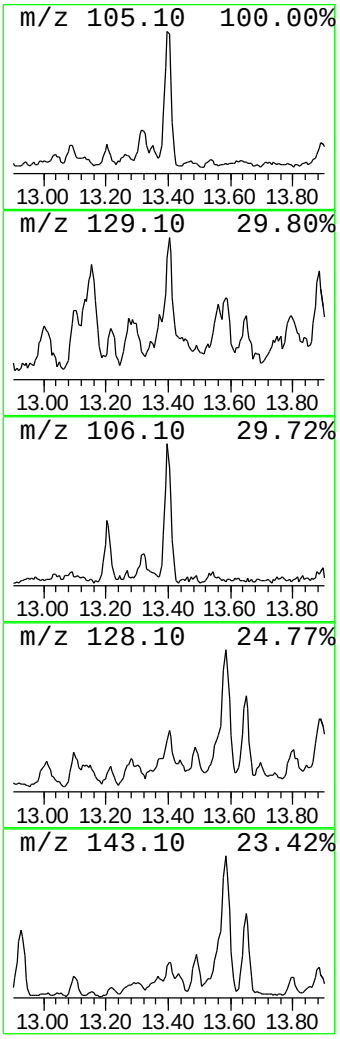
Peak Number 33 unknown-04 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	13.81 ng/ul	1353620	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-n-hexylbenzene	176	C13H20	001595-10-4	35
2	Benzene, (1-methylhexyl)-	176	C13H20	002132-84-5	22
3	1-Methyl-4-n-hexylbenzene	176	C13H20	001595-01-3	22
4	Nicotinonitrile, 1,4-dihydro-1-p...	176	C11H16N2	019424-19-2	12
5	Benzene, 1,1'-(oxydiethylidene)bis-	226	C16H18O	000093-96-9	10





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Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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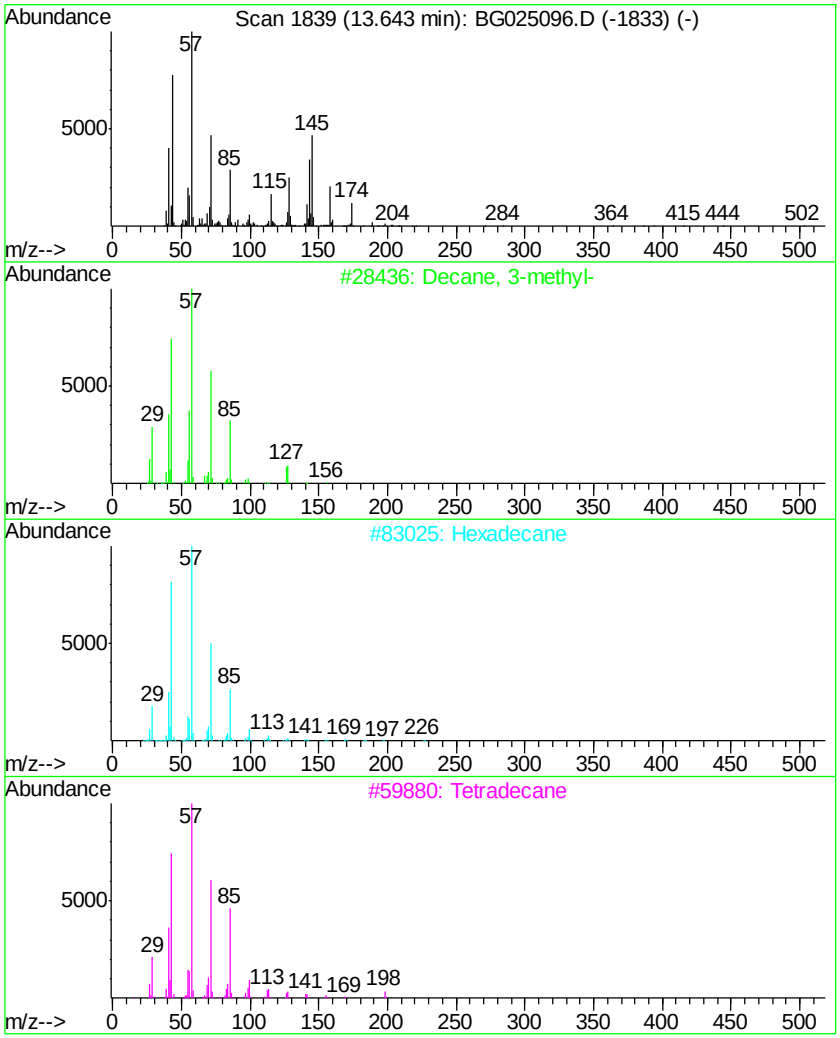
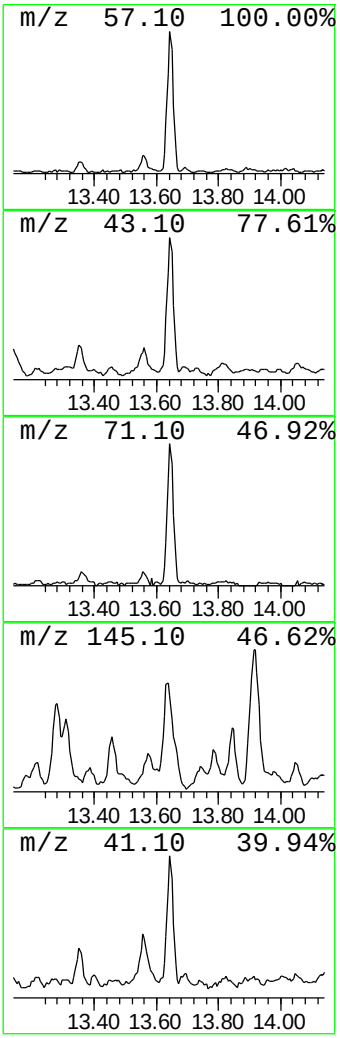
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	35.57 ng/ul	3486860	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	38
2	Hexadecane	226	C16H34	000544-76-3	38
3	Tetradecane	198	C14H30	000629-59-4	38
4	Tetradecane	198	C14H30	000629-59-4	30
5	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	30





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Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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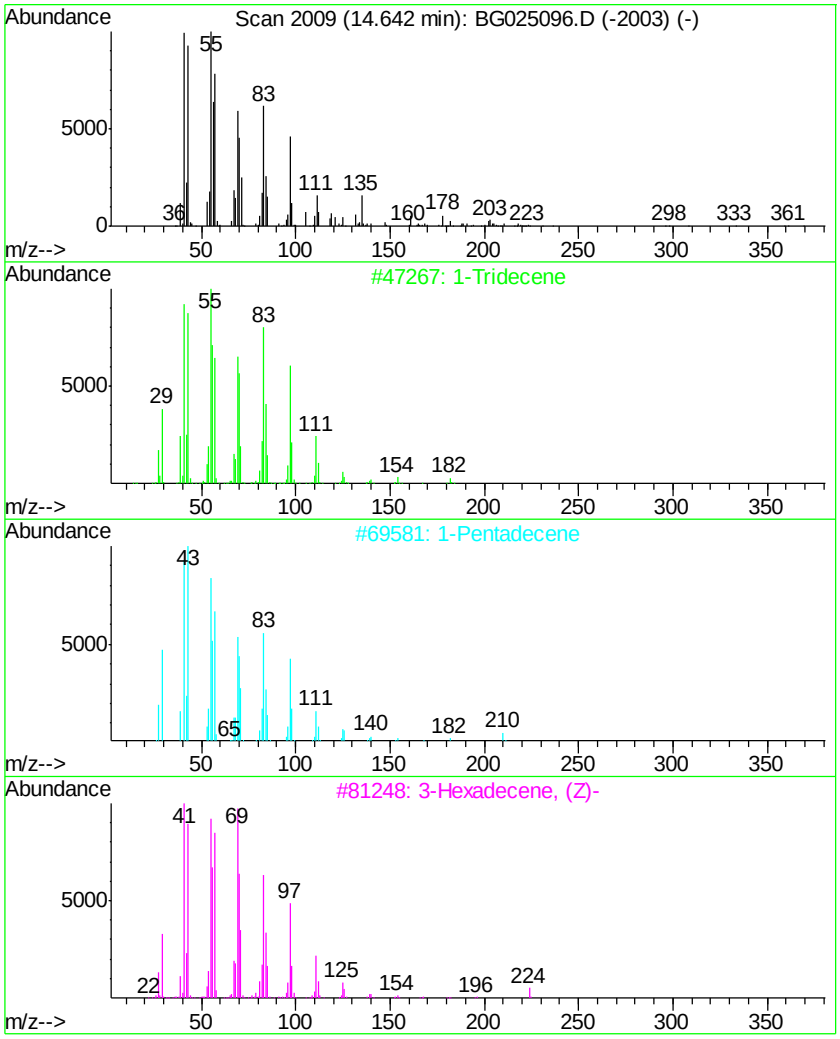
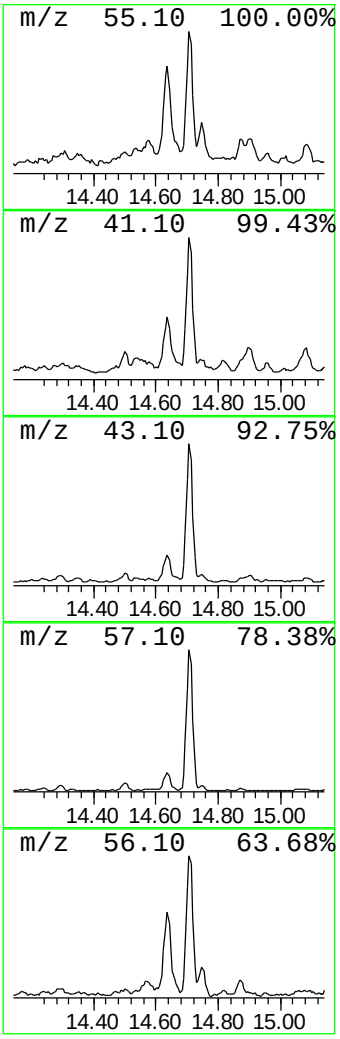
Peak Number 43 (DEL) Alkane: Cyclic14.64 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	14.95 ng/ul	1465690	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tridecene	182	C13H26	002437-56-1	97
2	1-Pentadecene	210	C15H30	013360-61-7	90
3	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	90
4	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	87
5	1-Pentadecene	210	C15H30	013360-61-7	87





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Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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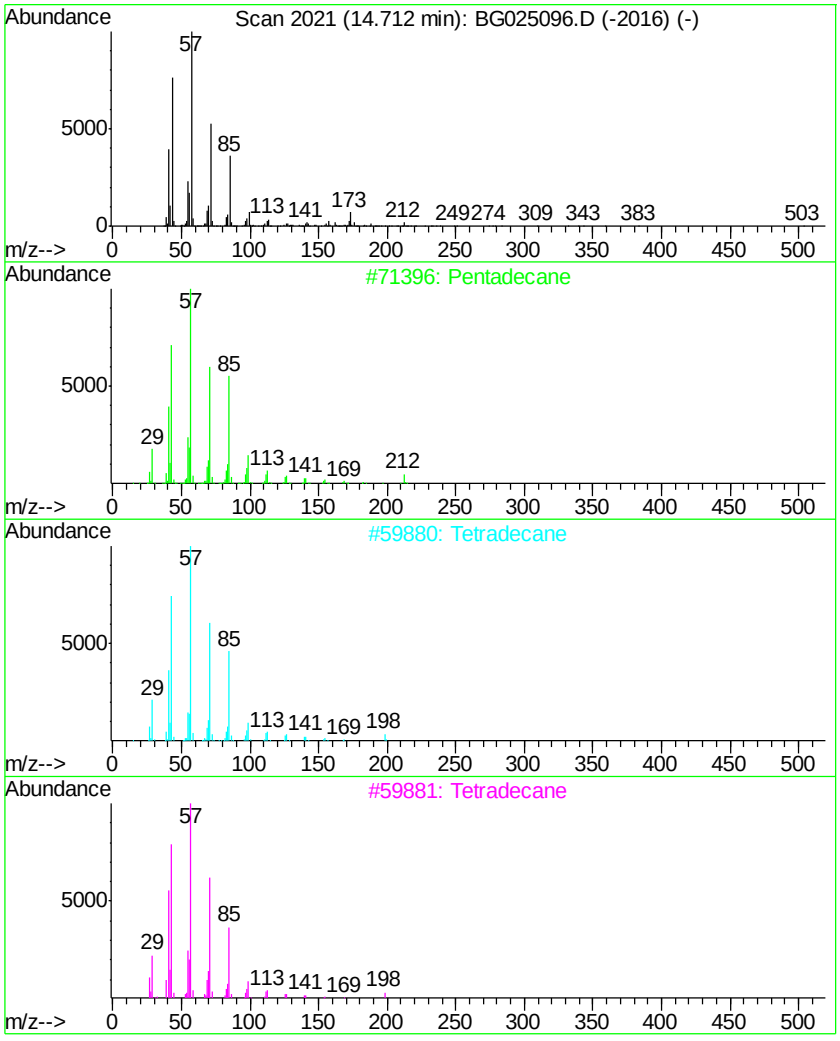
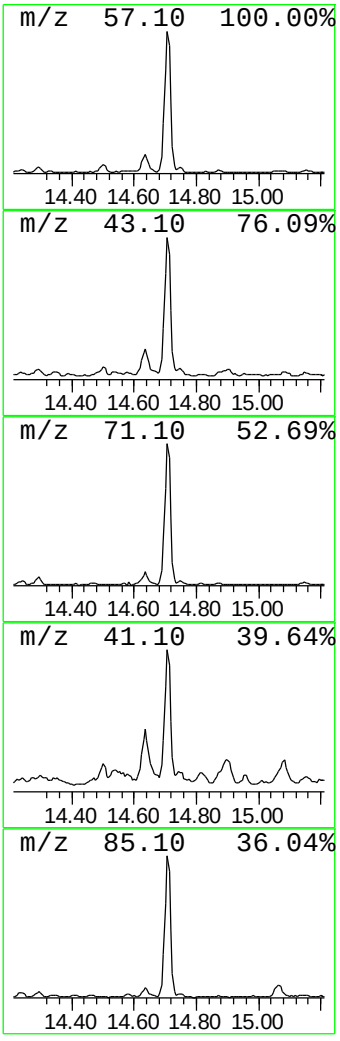
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	45.41 ng/ul	4450980	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Tetradecane	198	C14H30	000629-59-4	95
3	Tetradecane	198	C14H30	000629-59-4	93
4	Pentadecane	212	C15H32	000629-62-9	91
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	90





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Operator : UM/SJ
Sample : H5905-18
Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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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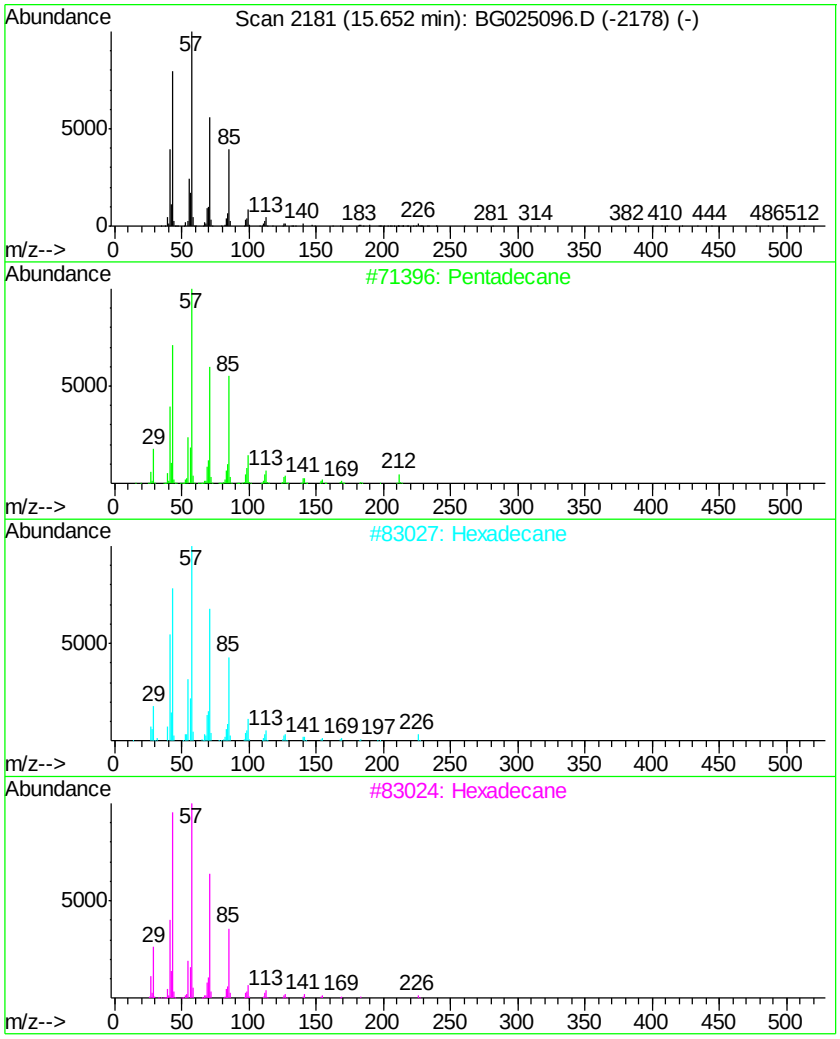
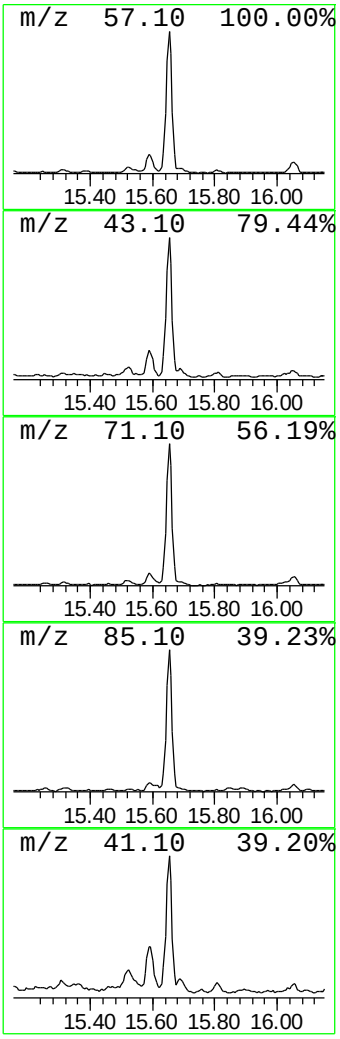
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	79.47 ng/ul	7789600	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Hexadecane	226	C16H34	000544-76-3	93
3	Hexadecane	226	C16H34	000544-76-3	93
4	Hexadecane	226	C16H34	000544-76-3	91
5	Hexadecane	226	C16H34	000544-76-3	87





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Operator : UM/SJ
Sample : H5905-18
Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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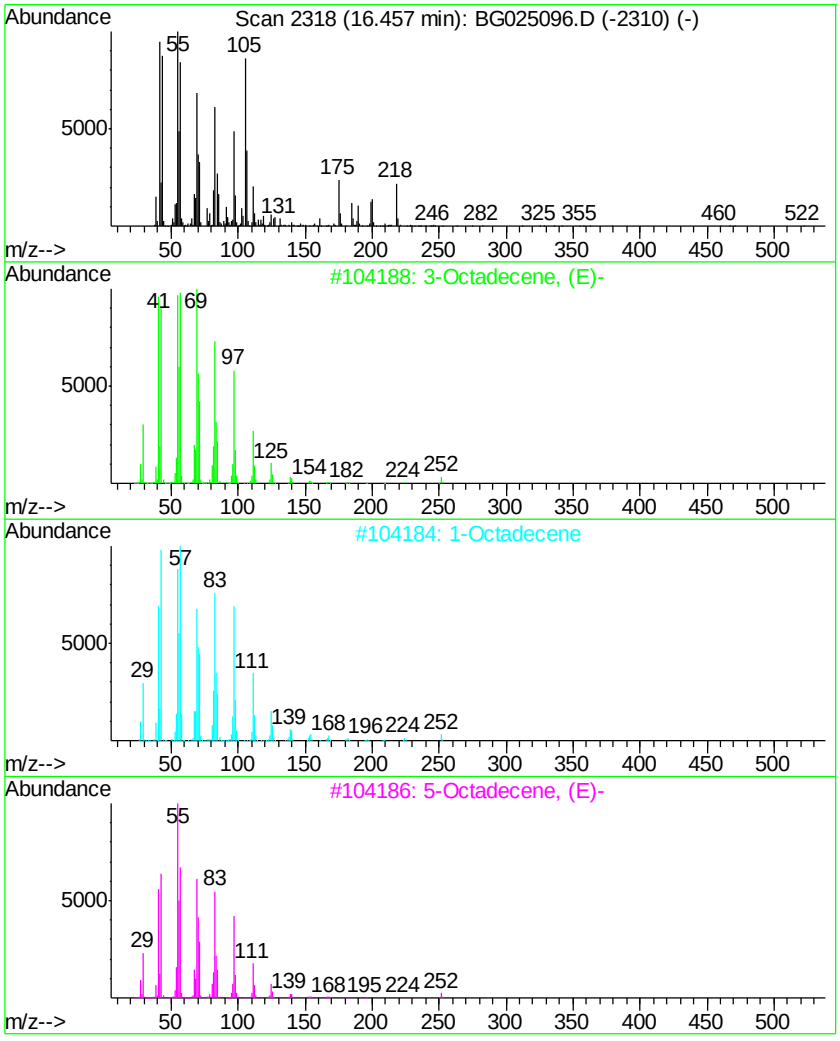
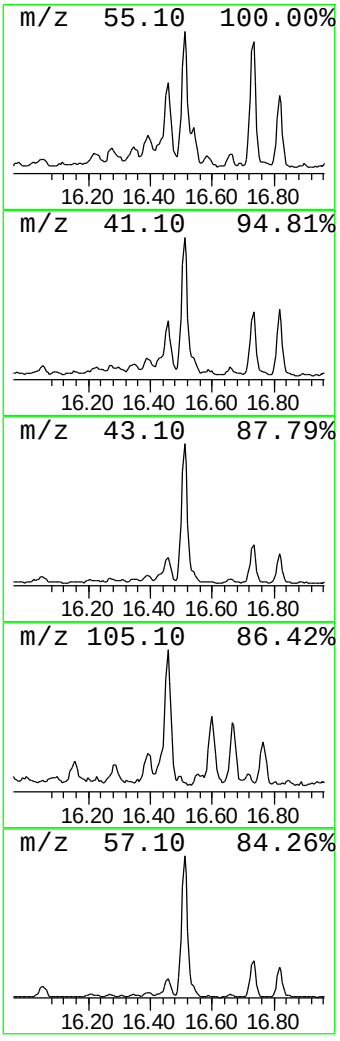
Peak Number 53 (DEL) Alkane: Cyclic16.46 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	40.73 ng/ul	3656760	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octadecene, (E)-	252	C18H36	007206-19-1	60
2	1-Octadecene	252	C18H36	000112-88-9	60
3	5-Octadecene, (E)-	252	C18H36	007206-21-5	60
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	53
5	E-14-Hexadecenal	238	C16H30O	330207-53-9	53





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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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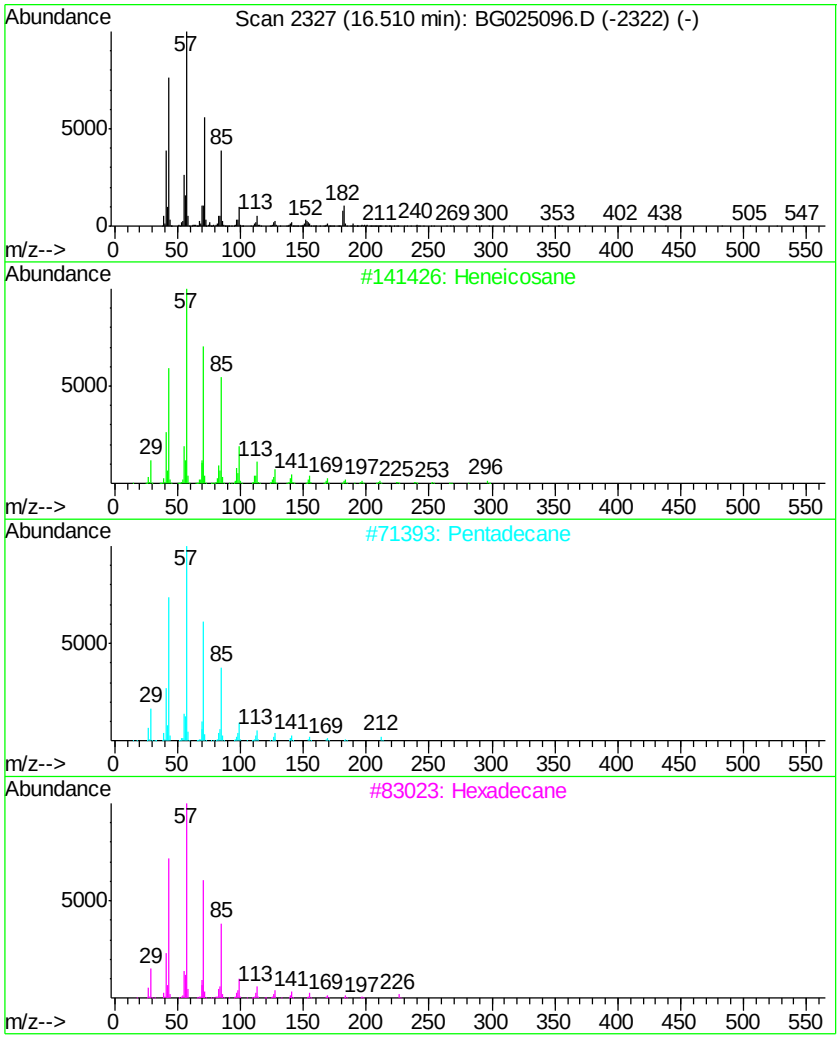
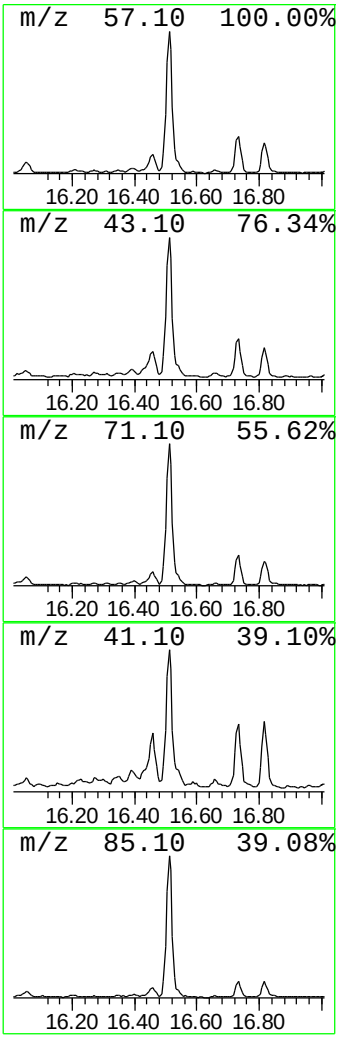
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	81.34 ng/ul	7302930	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	86
2	Pentadecane	212	C15H32	000629-62-9	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Tetradecane	198	C14H30	000629-59-4	80
5	Tetradecane	198	C14H30	000629-59-4	80





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Sample : H5905-18
Misc :
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Instrument : BNA_G
ClientSampleId : DA817

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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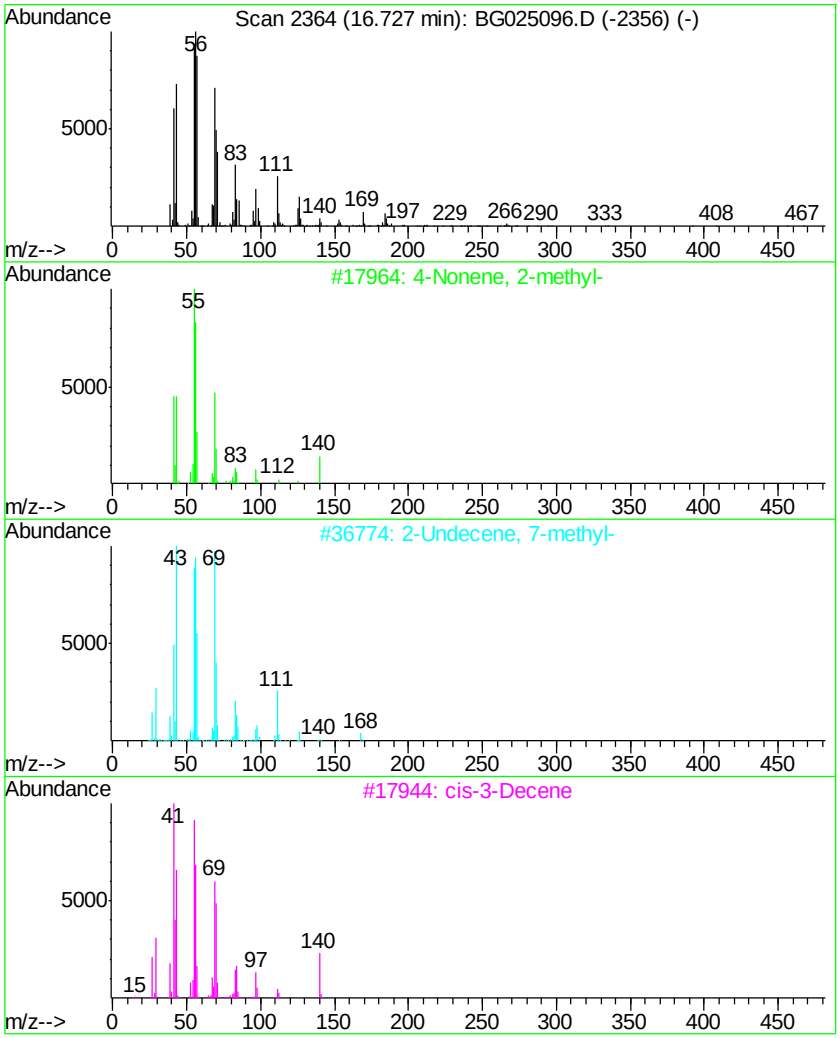
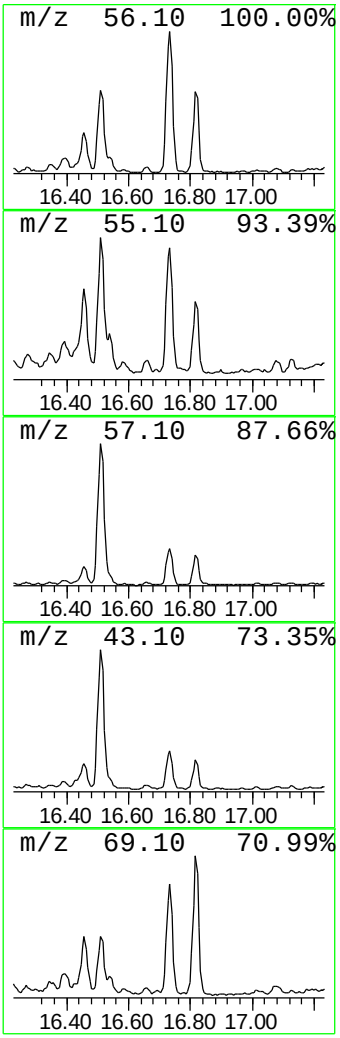
Peak Number 55 (DEL) Alkane: Cyclic16.73 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	41.78 ng/ul	3751440	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 2-methyl-	140	C10H20	055724-84-0	53
2	2-Undecene, 7-methyl-	168	C12H24	1000061-83-0	50
3	cis-3-Decene	140	C10H20	019398-86-8	49
4	cis-3-Nonene	126	C9H18	020237-46-1	49
5	4-Undecene, (E)-	154	C11H22	000693-62-9	47





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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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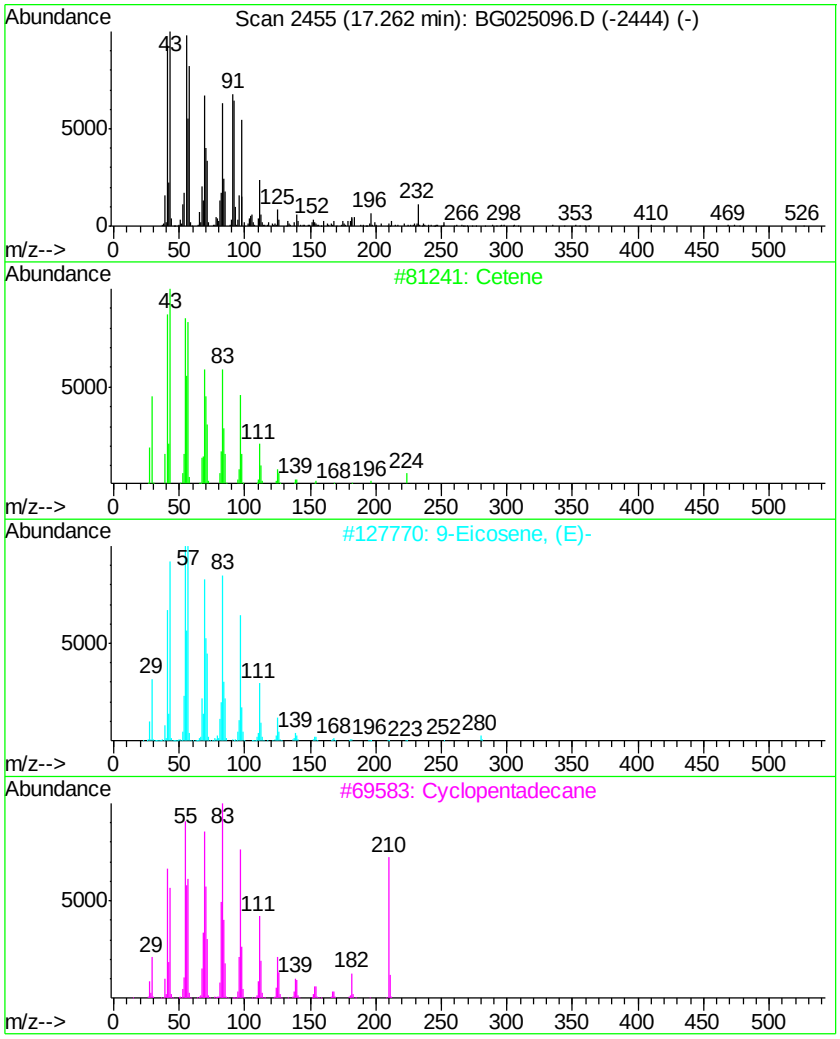
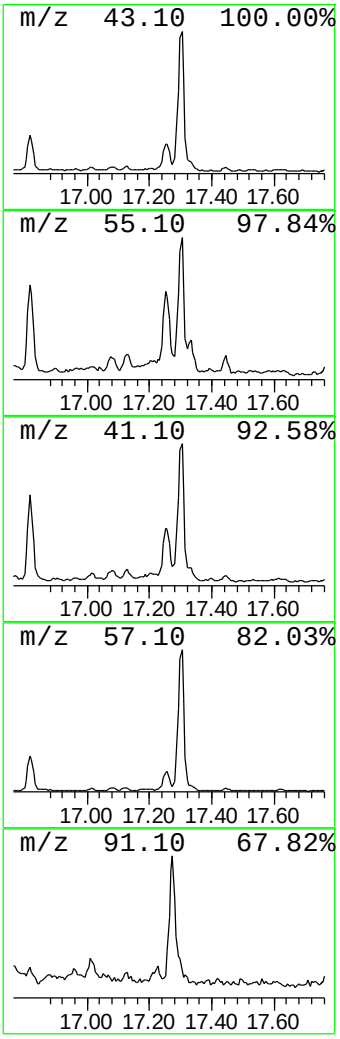
Peak Number 58 (DEL) Alkane: Cyclic17.26 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	26.27 ng/ul	2359010	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	95
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	94
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	E-14-Hexadecenal	238	C16H30O	330207-53-9	91
5	E-15-Heptadecenal	252	C17H32O	1000130-97-9	91





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Sample : H5905-18
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Instrument : BNA_G
ClientSampleId : DA817

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Quant Title : SVOA CALIBRATION

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

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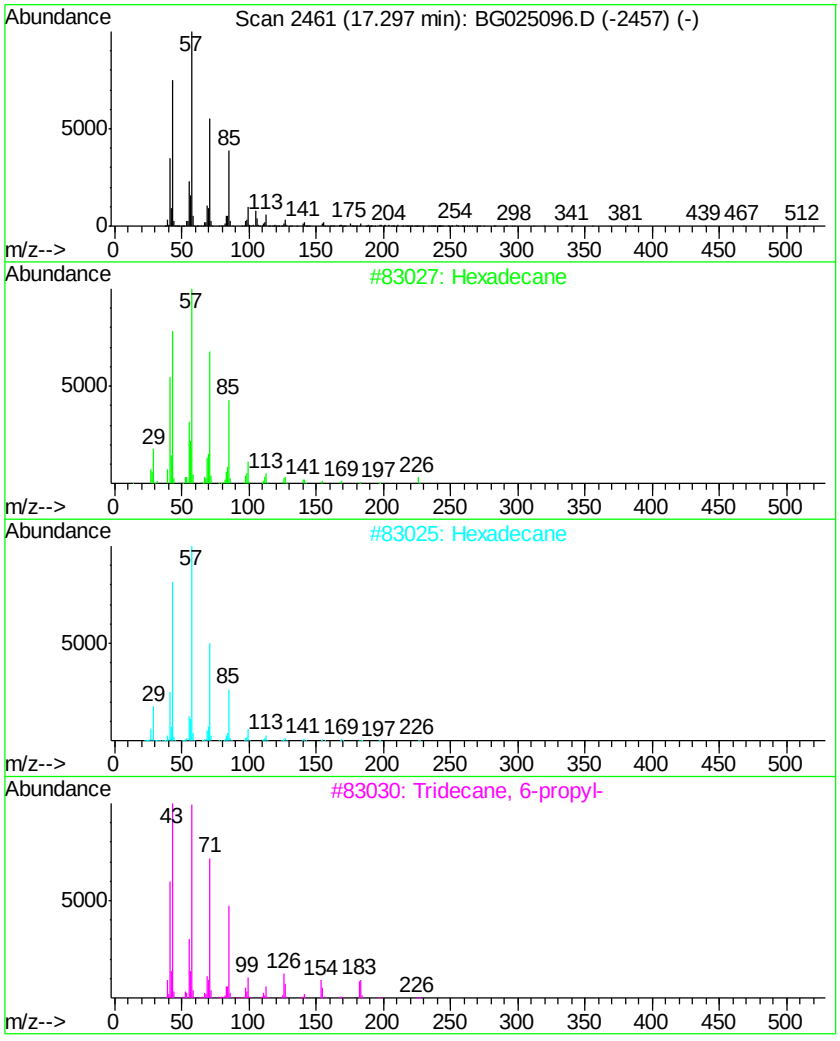
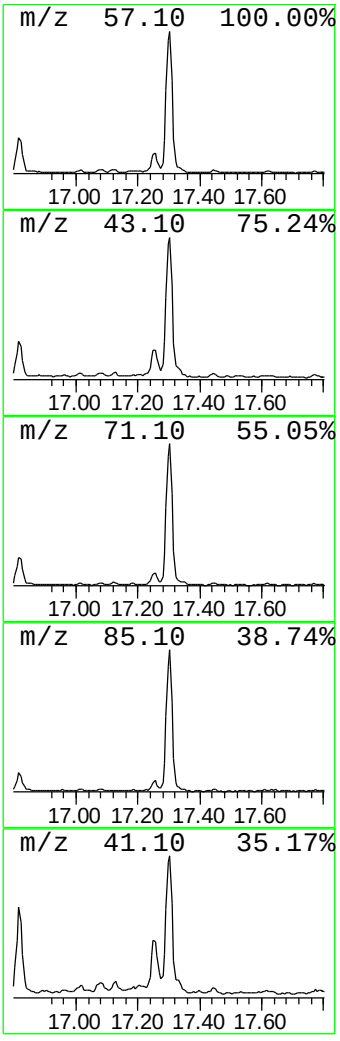
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	75.69 ng/ul	6796400	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Hexadecane	226	C16H34	000544-76-3	94
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	94
4	Tetradecane	198	C14H30	000629-59-4	93
5	Octadecane	254	C18H38	000593-45-3	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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

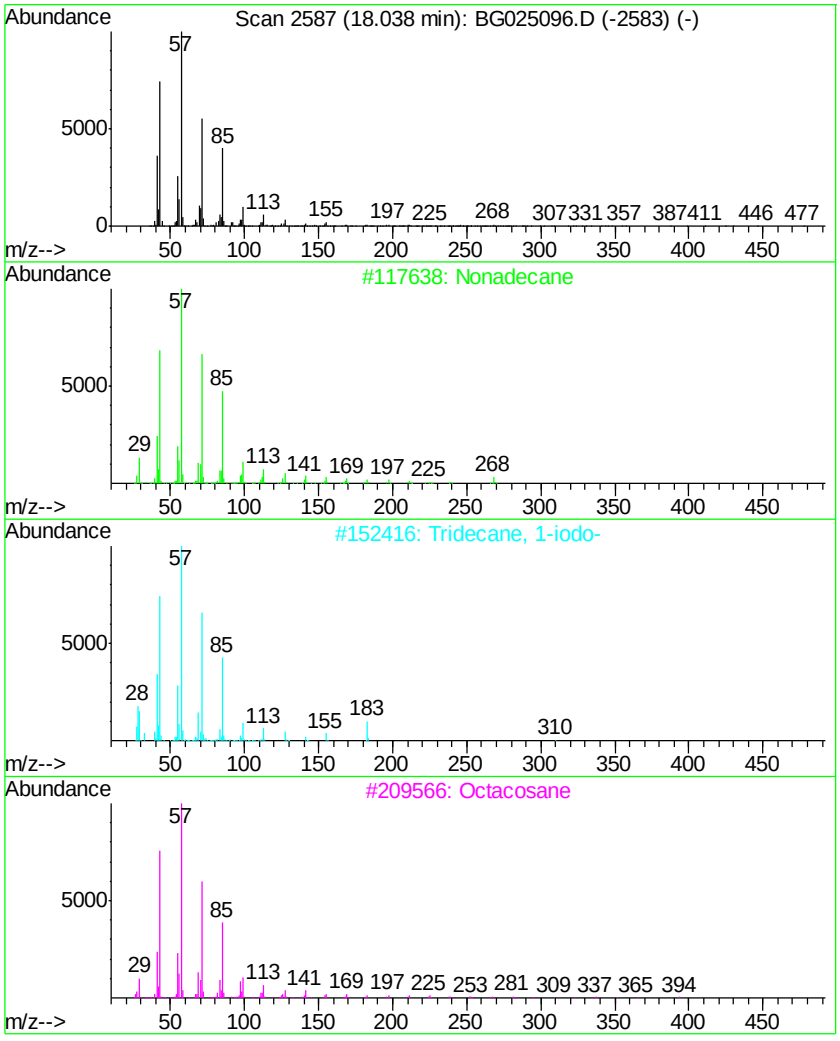
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

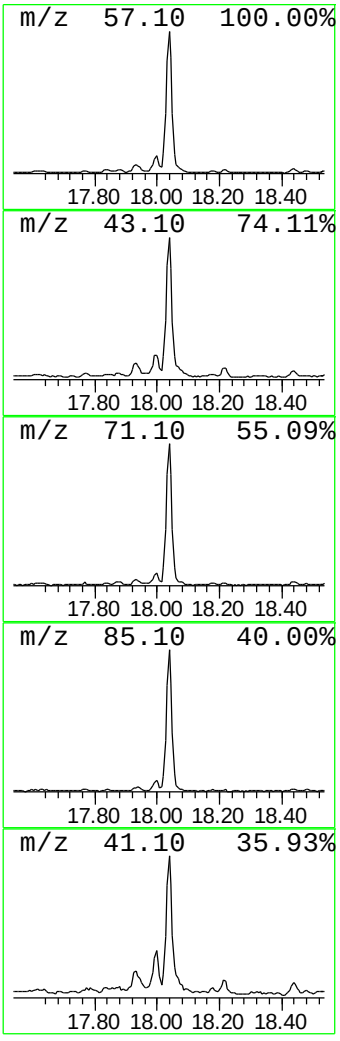
****

Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	62.93 ng/ul	5650370	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Octacosane	394	C28H58	000630-02-4	86
4	Heneicosane	296	C21H44	000629-94-7	83
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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

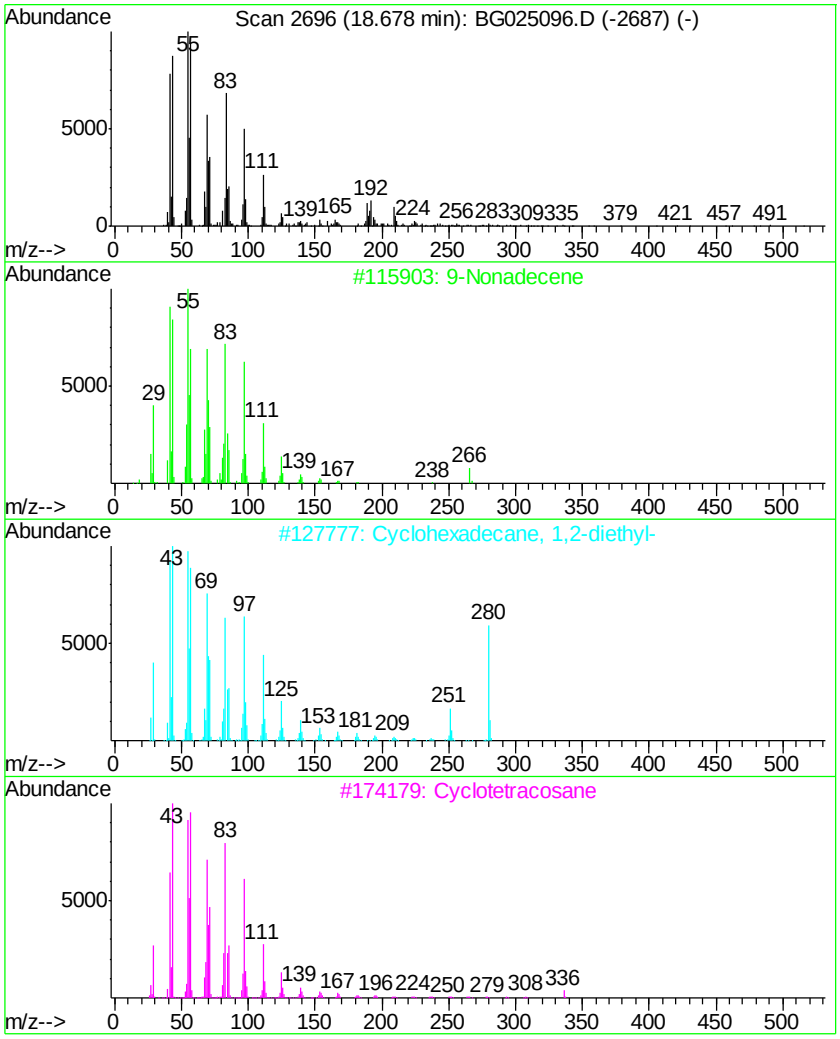
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

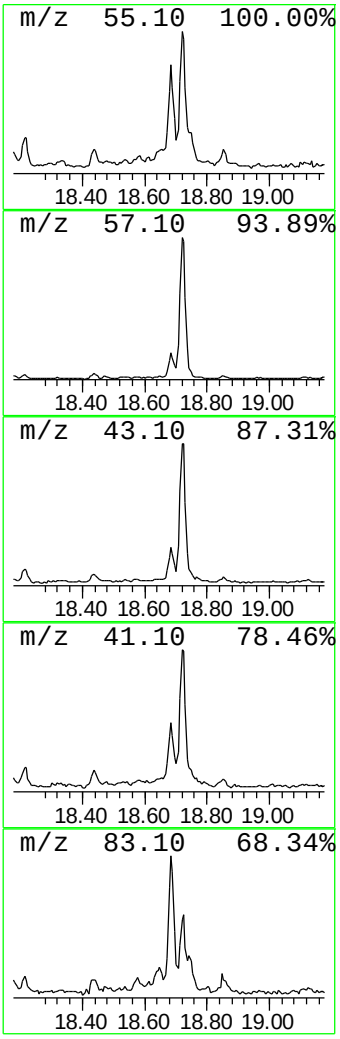
****

Peak Number 64 (DEL) Alkane: Cyclic18.68 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	22.52 ng/ul	2022070	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Nonadecene	266	C19H38	031035-07-1	93
2	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	91
3	Cyclotetracosane	336	C24H48	000297-03-0	91
4	E-15-Heptadecenal	252	C17H32O	1000130-97-9	91
5	1-Docosene	308	C22H44	001599-67-3	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

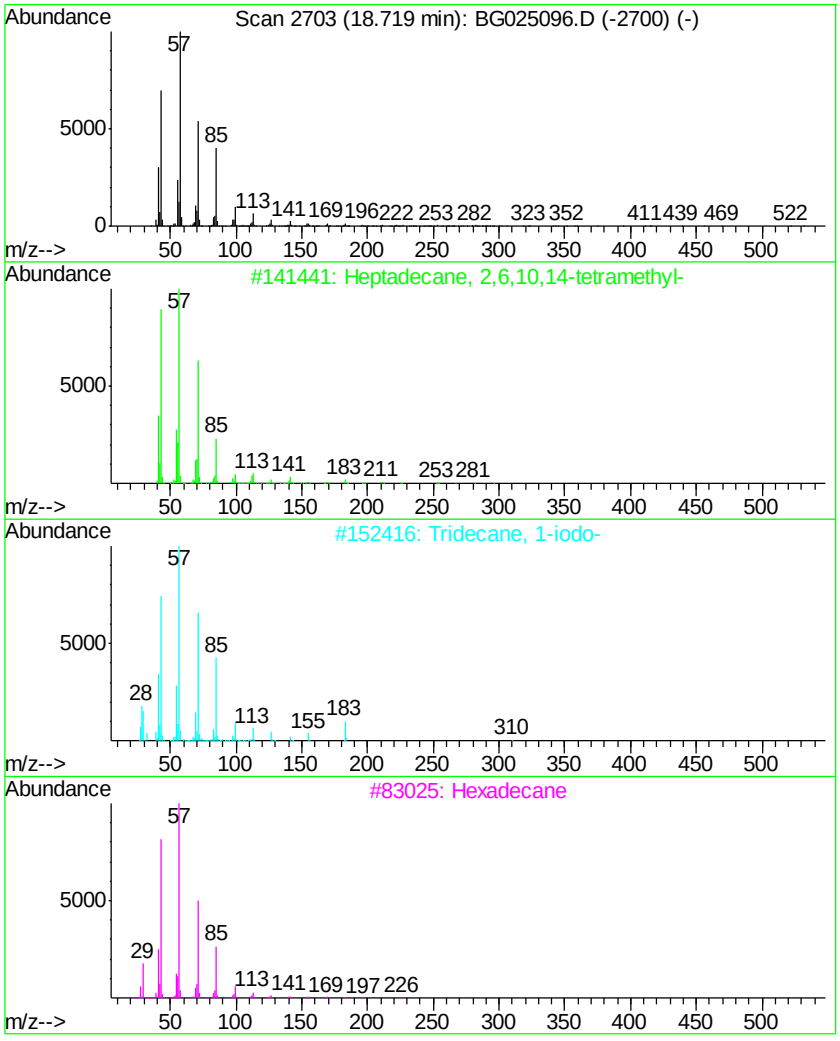
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

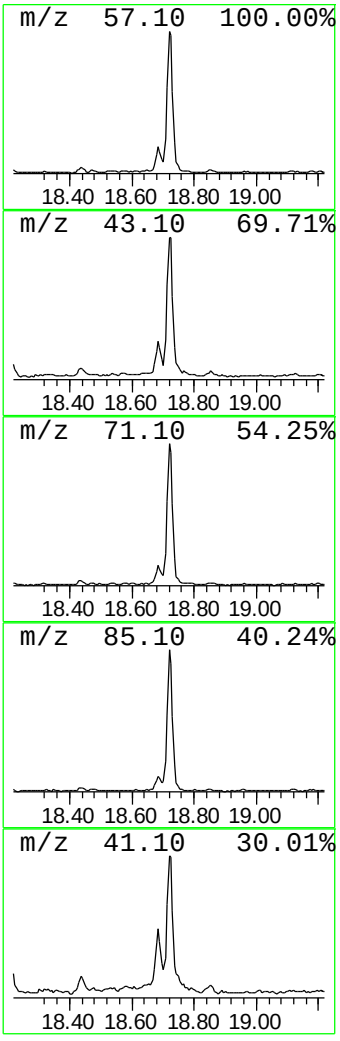
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	45.51 ng/ul	4086520	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	91
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Hexacosane	366	C26H54	000630-01-3	87
5	Pentadecane	212	C15H32	000629-62-9	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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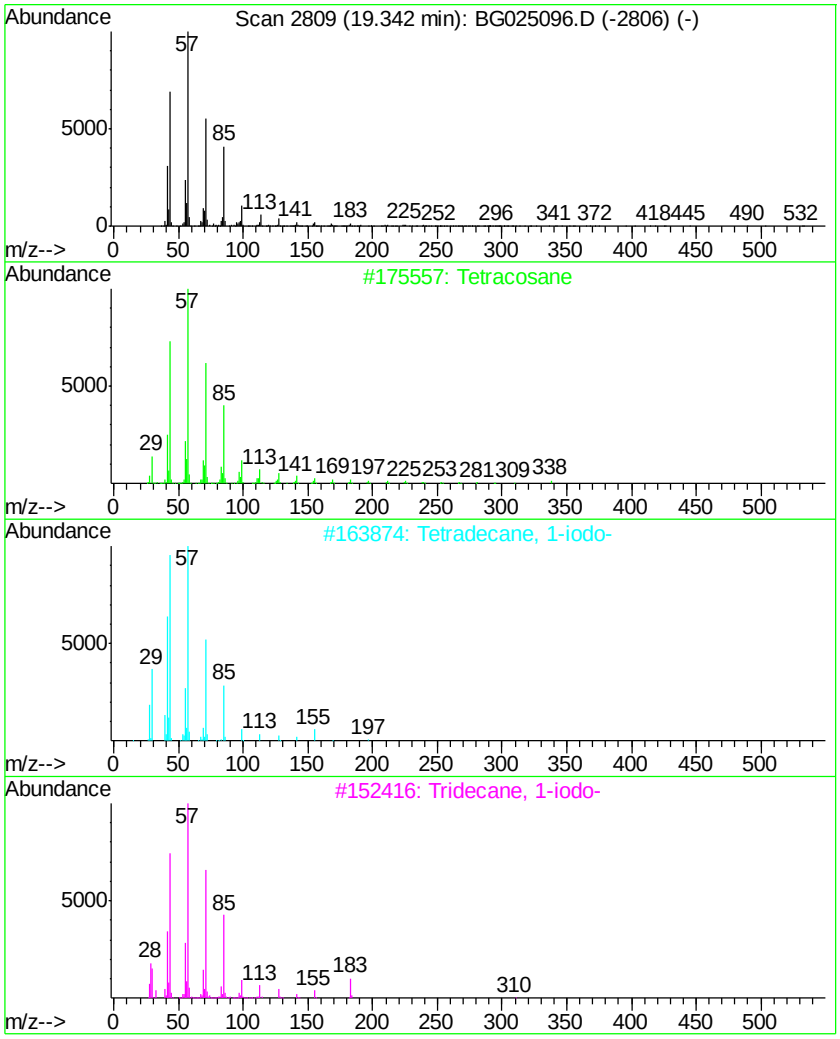
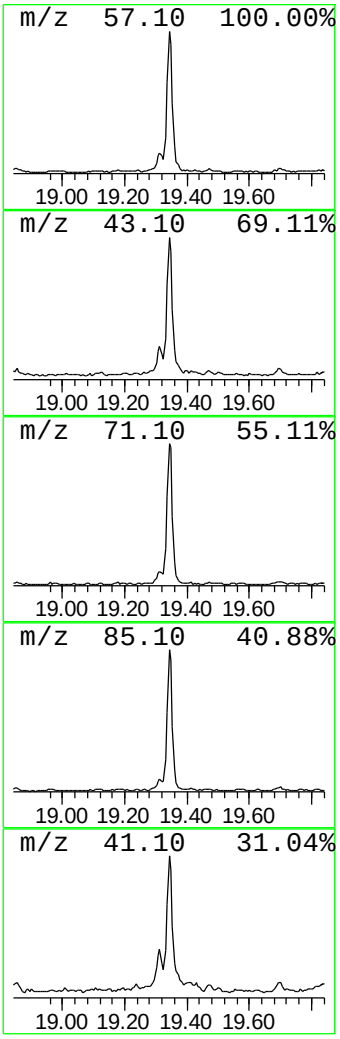
Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	30.91 ng/ul	2775150	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	86
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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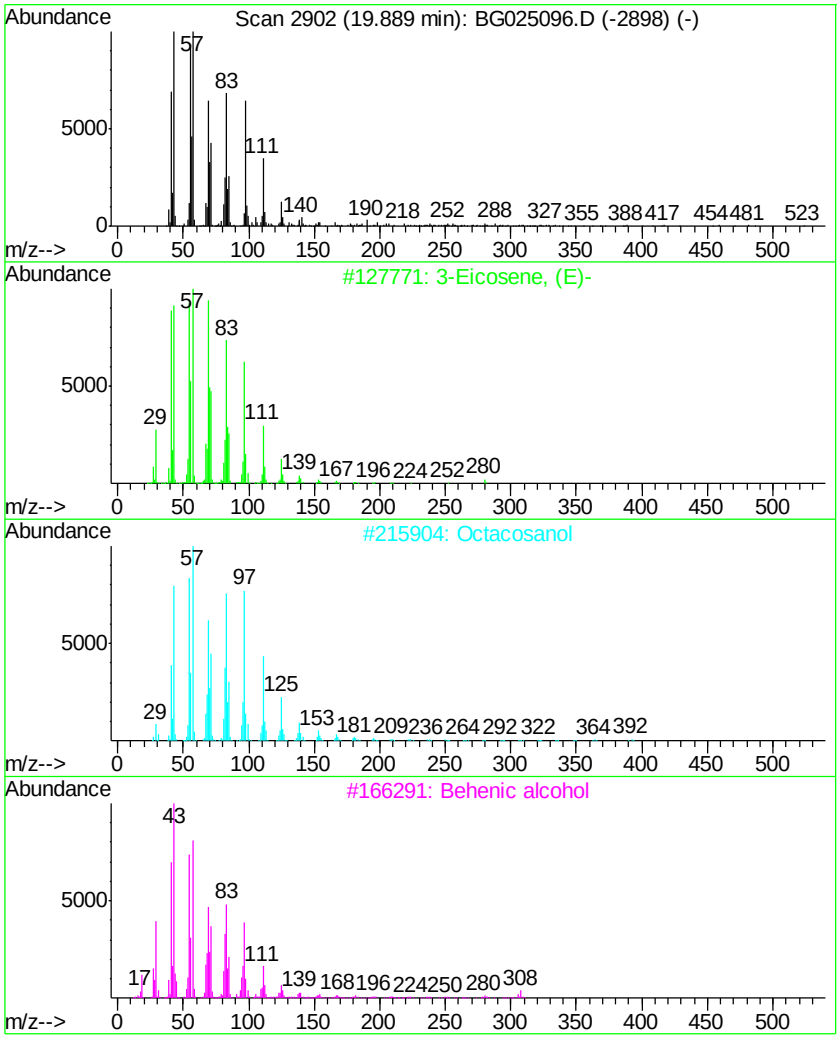
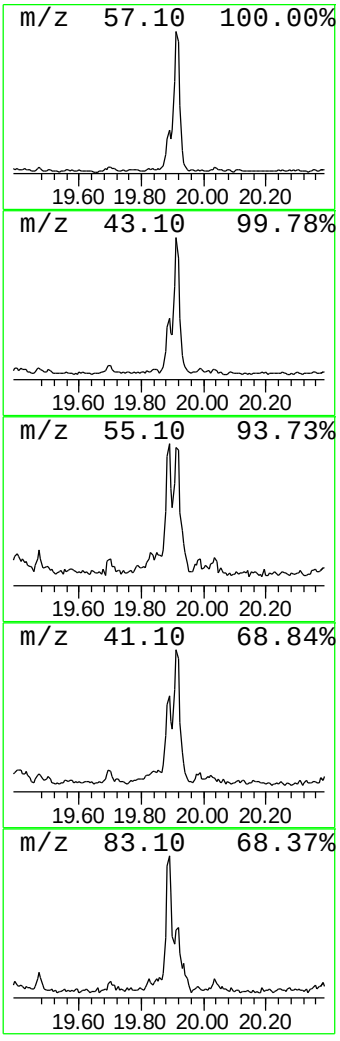
Peak Number 67 (DEL) Alkane: Cyclic19.89 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	8.24 ng/ul	1038590	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	94
2	Octacosanol	410	C28H58O	000557-61-9	91
3	Behenic alcohol	326	C22H46O	000661-19-8	91
4	9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
5	1-Docosene	308	C22H44	001599-67-3	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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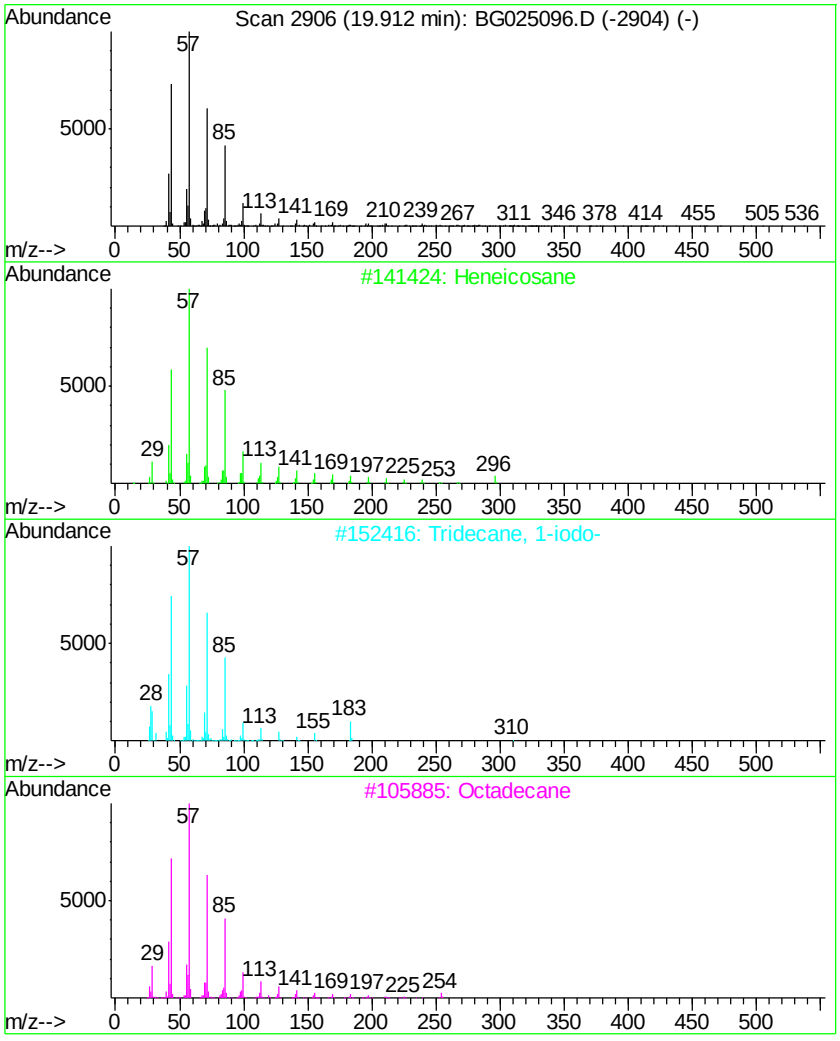
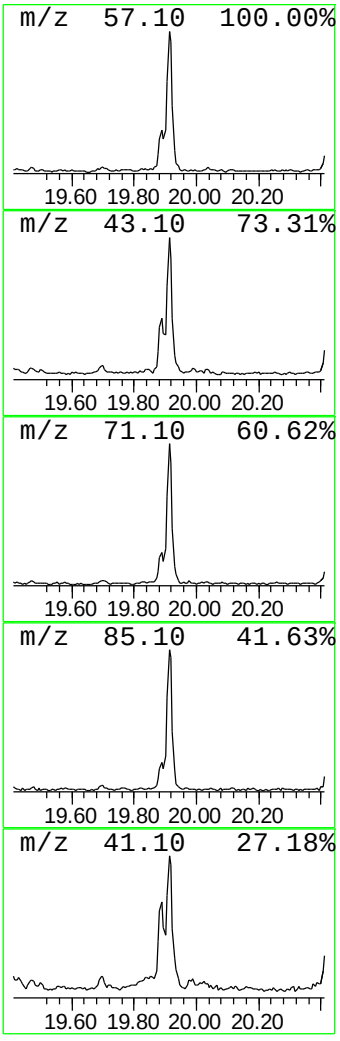
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	13.56 ng/ul	1709420	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	94
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	94
3	Octadecane	254	C18H38	000593-45-3	93
4	Heptacosane	380	C27H56	000593-49-7	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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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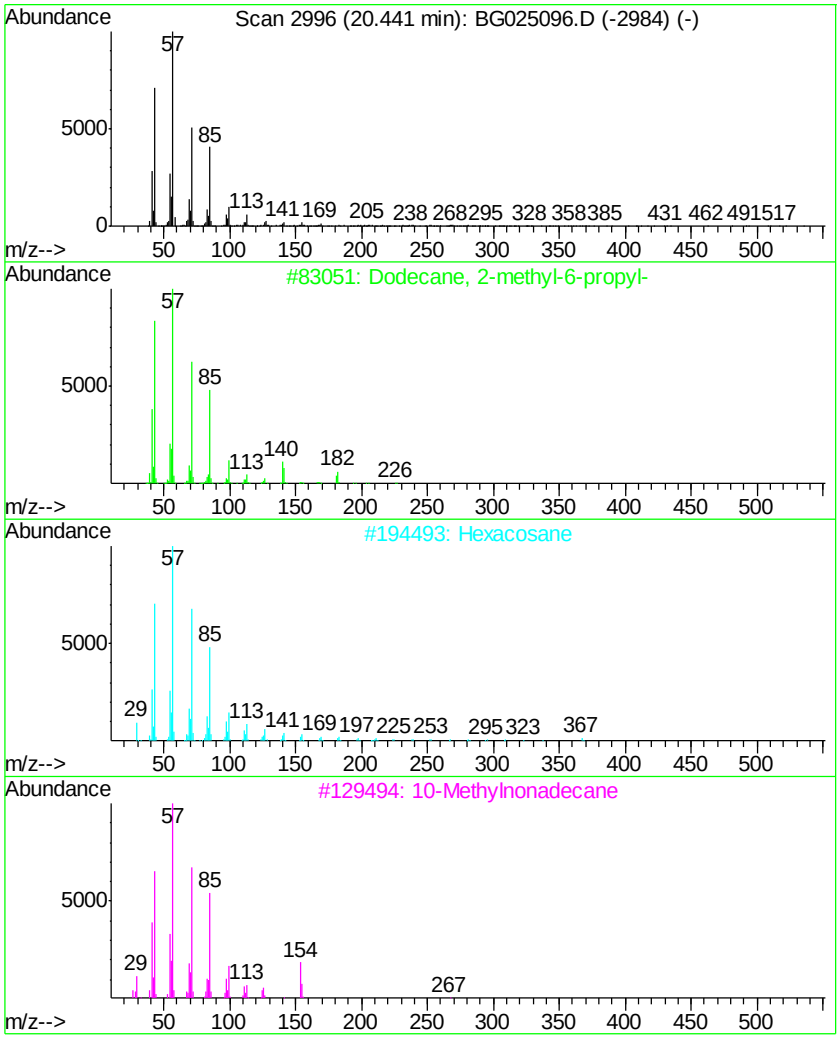
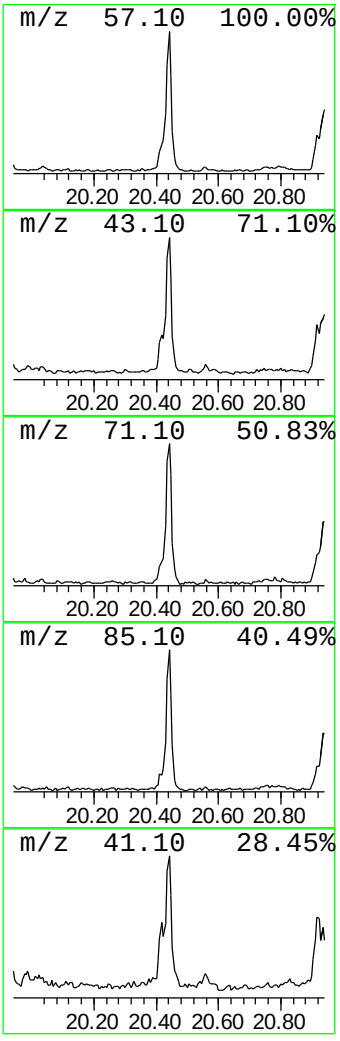
Peak Number 69 (DEL) Alkane: Branched20.44 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	18.48 ng/ul	2328460	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	10-Methylnonadecane	282	C20H42	056862-62-5	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Hentriacontane	437	C31H64	000630-04-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA817

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, 1,2,4-tr...	7.87	20.0	ng/ul	1144480	1	8.24	1144480	20.0
Tetracyclo[3.3.1....	8.87	21.4	ng/ul	1227180	1	8.24	1144480	20.0
Cinnamaldehyde, (E)-	9.72	6.2	ng/ul	1161970	2	11.06	3723820	20.0
Benzofuran, 2-met...	9.79	12.8	ng/ul	2382480	2	11.06	3723820	20.0
Phenol, 3-ethyl-	10.49	39.4	ng/ul	7336970	2	11.06	3723820	20.0
Phenol, 2,4-dimet...	10.53	12.0	ng/ul	2239640	2	11.06	3723820	20.0
unknown-01	10.89	5.6	ng/ul	1044580	2	11.06	3723820	20.0
(DEL) Alkane: Str...	10.99	6.4	ng/ul	1195820	2	11.06	3723820	20.0
Benzofuran, 4,7-d...	11.30	35.5	ng/ul	6618160	2	11.06	3723820	20.0
1H-Benzimidazole,...	11.43	28.9	ng/ul	5387100	2	11.06	3723820	20.0
Cinnoline, 1,2-di...	11.47	57.4	ng/ul	10680700	2	11.06	3723820	20.0
2-Propenal, 3-(4-...	11.53	17.7	ng/ul	3299440	2	11.06	3723820	20.0
Phenol, 4-ethyl-2...	11.59	7.1	ng/ul	1326660	2	11.06	3723820	20.0
2-Propyn-1-ol, 3-...	11.65	8.2	ng/ul	1521020	2	11.06	3723820	20.0
1H-Indazole, 5,7-...	11.82	6.2	ng/ul	1156220	2	11.06	3723820	20.0
Phenol, 3-propyl-	11.87	27.0	ng/ul	5030010	2	11.06	3723820	20.0
Furan, 2,2'-methy...	12.07	14.5	ng/ul	2694480	2	11.06	3723820	20.0
1H-Indene, 1,3-di...	12.14	16.0	ng/ul	2975210	2	11.06	3723820	20.0
1H-Cyclopropa[b]n...	12.19	9.1	ng/ul	1702140	2	11.06	3723820	20.0
1H-Indene, 2,3-di...	12.26	19.1	ng/ul	3552510	2	11.06	3723820	20.0
Ethanone, 1-[4-(1...	12.37	5.6	ng/ul	1041930	2	11.06	3723820	20.0
(DEL) Alkane: Str...	12.42	12.9	ng/ul	2405580	2	11.06	3723820	20.0
1H-Inden-1-one, 2...	12.52	7.3	ng/ul	1352500	2	11.06	3723820	20.0
Ethanone, 1-(2,3-...	12.59	21.6	ng/ul	4011790	2	11.06	3723820	20.0
unknown-02	12.87	19.2	ng/ul	3569010	2	11.06	3723820	20.0
Naphthalene, 1-me...	12.93	38.3	ng/ul	7134460	2	11.06	3723820	20.0
2,5,6-Trimethylbe...	13.01	59.8	ng/ul	5863150	3	14.86	1960300	20.0
unknown-03	13.21	13.1	ng/ul	1279110	3	14.86	1960300	20.0
Benzene, heptyl-	13.35	11.7	ng/ul	1150590	3	14.86	1960300	20.0
unknown-04	13.40	13.8	ng/ul	1353620	3	14.86	1960300	20.0
(DEL) Alkane: Str...	13.64	35.6	ng/ul	3486860	3	14.86	1960300	20.0
(DEL) Alkane: Cyc...	14.64	14.9	ng/ul	1465690	3	14.86	1960300	20.0
(DEL) Alkane: Str...	14.71	45.4	ng/ul	4450980	3	14.86	1960300	20.0
(DEL) Alkane: Str...	15.65	79.5	ng/ul	7789600	3	14.86	1960300	20.0
(DEL) Alkane: Cyc...	16.46	40.7	ng/ul	3656760	4	17.60	1795740	20.0
(DEL) Alkane: Str...	16.51	81.3	ng/ul	7302930	4	17.60	1795740	20.0
(DEL) Alkane: Cyc...	16.73	41.8	ng/ul	3751440	4	17.60	1795740	20.0
(DEL) Alkane: Cyc...	17.26	26.3	ng/ul	2359010	4	17.60	1795740	20.0
(DEL) Alkane: Str...	17.30	75.7	ng/ul	6796400	4	17.60	1795740	20.0
(DEL) Alkane: Str...	18.04	62.9	ng/ul	5650370	4	17.60	1795740	20.0
(DEL) Alkane: Cyc...	18.68	22.5	ng/ul	2022070	4	17.60	1795740	20.0
(DEL) Alkane: Str...	18.72	45.5	ng/ul	4086520	4	17.60	1795740	20.0
(DEL) Alkane: Str...	19.34	30.9	ng/ul	2775150	4	17.60	1795740	20.0
(DEL) Alkane: Cyc...	19.89	8.2	ng/ul	1038590	5	21.89	2520450	20.0
(DEL) Alkane: Str...	19.91	13.6	ng/ul	1709420	5	21.89	2520450	20.0
(DEL) Alkane: Bra...	20.44	18.5	ng/ul	2328460	5	21.89	2520450	20.0