LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008786.D
Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.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	7.093	761	766	770	rBV	813337	1241711	1.89%	0.456%
2	7.369	808	813	821	rVB	1445529	2050299	3.12%	0.753%
3	7.481	824	832	842	rVB3	404828	903726	1.38%	0.332%
4	7.951	905	912	916	rBV2	437378	738136	1.12%	0.271%
5	8.010	916	922	927	rVB	3649401	5406544	8.23%	1.985%
6	8.328	968	976	980	rBV	869152	1455645	2.22%	0.534%
7	8.387	980	986	998	rVB	1481903	2750662	4.19%	1.010%
8	8.651	1024	1031	1040	rVB5	333693	755190	1.15%	0.277%
9	8.751	1040	1048	1053	rBV	481828	810526	1.23%	0.298%
10	9.116	1105	1110	1116	rBV	546868	959310	1.46%	0.352%
11	9.310	1126	1143	1146	rBV	622744	1964859	2.99%	0.721%
12	9.733	1210	1215	1222	rVB	850593	1328880	2.02%	0.488%
13	9.834	1222	1232	1236	rBV6	627393	1316490	2.00%	0.483%
14	9.881	1236	1240	1248	rVB	722325	1212651	1.85%	0.445%
15	10.151	1279	1286	1297	rBV5	329410	822648	1.25%	0.302%
16	10.375	1317	1324	1330	rVV3	864228	1644978	2.50%	0.604%
17	10.433	1330	1334	1342	rVB3	369462	694463	1.06%	0.255%
18	10.616	1359	1365	1374	rBV	1360500	2441079	3.71%	0.896%
19	10.763	1379	1390	1393	rBV2	985228	2219166	3.38%	0.815%
20	10.816	1393	1399	1408	rVB	13262614	22270945	33.89%	8.176%
21	10.928	1413	1418	1425	rVB	1993231	3259578	4.96%	1.197%
22	11.028	1430	1435	1441	rVV2	2632655	5101671	7.76%	1.873%
23	11.080	1441	1444	1446	rVV	1154500	1745688	2.66%	0.641%
24	11.116	1446	1450	1457	rVB	1931969	3289942	5.01%	1.208%
25	11.251	1464	1473	1479	rBV4	284156	763705	1.16%	0.280%
26	11.628	1531	1537	1540	rBV	882979	1540395	2.34%	0.565%
27	11.669	1540	1544	1552	rVB5	1060480	2519725	3.83%	0.925%
28	11.880	1568	1580	1583	rBV5	282312	717926	1.09%	0.264%
29	12.298	1644	1651	1657	rVV5	350702	814288	1.24%	0.299%
30	12.410	1664	1670	1680	rVV	1767850	3451503	5.25%	1.267%
31	12.510	1681	1687	1693	rVB	902784	1413278	2.15%	0.519%
32	12.633	1702	1708	1717	rVB	1916556	3201078	4.87%	1.175%
33	12.733	1718	1725	1733	rBV3	472929	1261717	1.92%	0.463%
34	12.969	1760	1765	1773	rBV	628266	985193	1.50%	0.362%

LSC Area Percent Report

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Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Title : SVOA CALIBRATION

35	13.086	1780	1785	1794	rVB	2769819	4454386	6.78%	1.635%
36	13.186	1794	1802	1812	rVB5	1633327	3043239	4.63%	1.117%
37	13.286	1813	1819	1823	rBV	1138584	1910939	2.91%	0.702%
38	13.404	1832	1839	1845	rVB4	621116	1398086	2.13%	0.513%
39	13.569	1860	1867	1868	rBV2	793302	1216625	1.85%	0.447%
40	13.598	1868	1872	1884	rVB5	1708121	3809784	5.80%	1.399%
41	13.757	1888	1899	1904	rBV9	466553	1452451	2.21%	0.533%
42	13.916	1919	1926	1931	rBV6	510556	1438841	2.19%	0.528%
43	13.992	1935	1939	1943	rVB	1479028	1961927	2.99%	0.720%
44	14.280	1981	1988	1997	rVB	1714028	3548409	5.40%	1.303%
45	14.380	1999	2005	2009	rBV6	334769	661646	1.01%	0.243%
46	14.580	2030	2039	2043	rBV	1275739	2665727	4.06%	0.979%
47	14.633	2043	2048	2056	rVB2	5983118	9462798	14.40%	3.474%
48	14.710	2056	2061	2065	rBV2	728288	1378415	2.10%	0.506%
49	14.763	2065	2070	2082	rVB2	3249462	6868511	10.45%	2.522%
50	14.892	2082	2092	2098	rBV4	2902200	9884084	15.04%	3.629%
51	14.951	2098	2102	2112	rVB4	5054445	12231779	18.62%	4.490%
52	15.027	2112	2115	2117	rBV3	483548	696975	1.06%	0.256%
53	15.127	2128	2132	2138	rVB3	2083156	4105246	6.25%	1.507%
54	15.198	2140	2144	2147	rVV	1478234	2210188	3.36%	0.811%
55	15.239	2147	2151	2159	rVB	2307140	4553131	6.93%	1.672%
56	15.574	2202	2208	2213	rBV	2283040	3428497	5.22%	1.259%
57	15.633	2213	2218	2220	rBV	2539763	4081447	6.21%	1.498%
58	15.715	2225	2232	2238	rVB	38000647	65708886	100.00%	24.123%
59	16.315	2330	2334	2339	rVB2	1106265	1701293	2.59%	0.625%
60	16.710	2398	2401	2410	rVB7	481516	859418	1.31%	0.316%
61	16.974	2439	2446	2454	rVB5	1704366	3190433	4.86%	1.171%
62	17.062	2456	2461	2467	rBV6	390035	825471	1.26%	0.303%
63	17.327	2500	2506	2510	rBV	1617656	2610656	3.97%	0.958%
64	17.368	2510	2513	2517	rVV	1980229	2727870	4.15%	1.001%
65	17.427	2517	2523	2534	rVB	2488487	4323642	6.58%	1.587%
66	17.733	2570	2575	2586	rVB	2150634	3123825	4.75%	1.147%
67	17.833	2586	2592	2597	rBV3	825111	1307232	1.99%	0.480%
68	19.527	2876	2880	2885	rBV	1012529	1266360	1.93%	0.465%
69	19.709	2906	2911	2916	rBV	2901298	3915887	5.96%	1.438%
70	20.186	2986	2992	2997	rVB	1321258	1847081	2.81%	0.678%
71	21.486	3209	3213	3220	rVB	1904392	2520699	3.84%	0.925%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : DA9R6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Title : SVOA CALIBRATION

72	21.609	3230	3234	3244	rBV	938797	1230671	1.87%	0.452%
73	23.697	3582	3589	3598	rVB2	1792882	3640784	5.54%	1.337%
74	23.850	3609	3615	3625	rVB2	1041776	2079513	3.16%	0.763%

Sum of corrected areas: 272396447

LSC Report - Integrated Chromatogram

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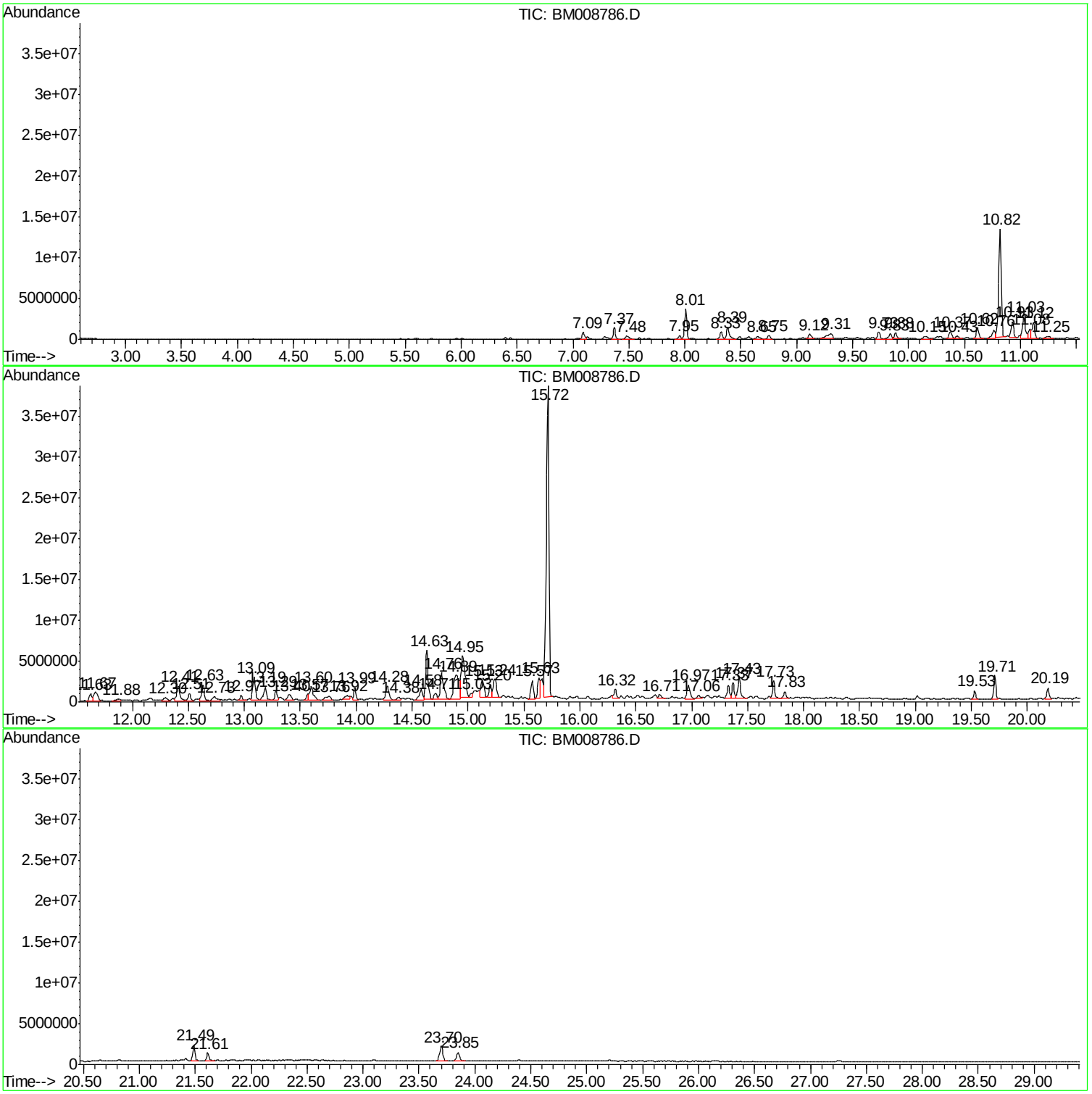
Data File : BM008786.D
Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.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_M\DATA\BM012117\
Data File : BM008786.D
Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
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Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

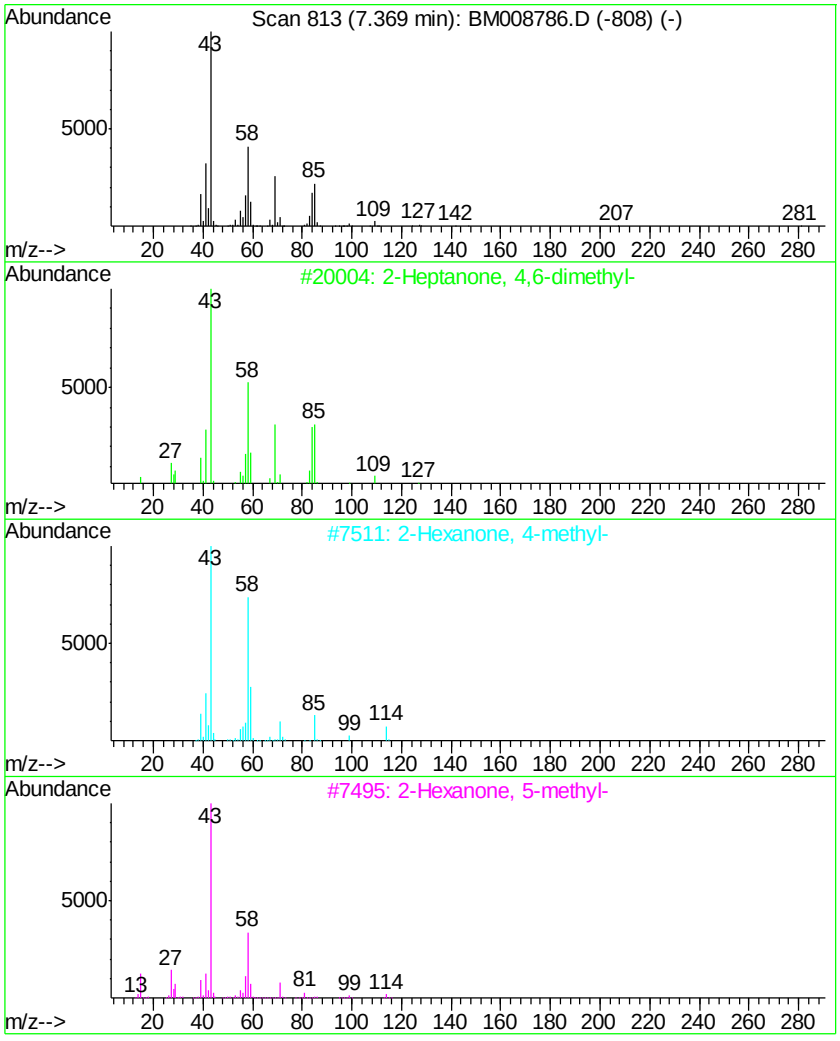
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

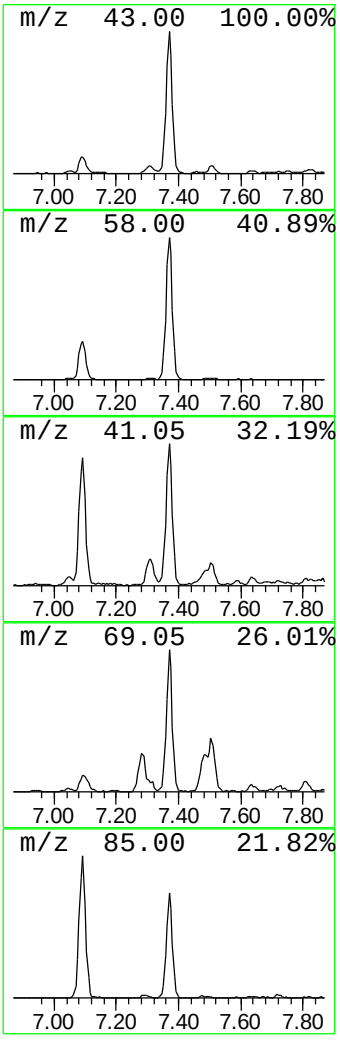
****

Peak Number 1 2-Heptanone, 4,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	55.55 ng/ul	2050300	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	78
2	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	50
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	50
4	Ethanone, 1-(trimethyloxiranyl)-	128	C7H12O2	015120-99-7	43
5	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	43





Library Search Compound Report

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Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

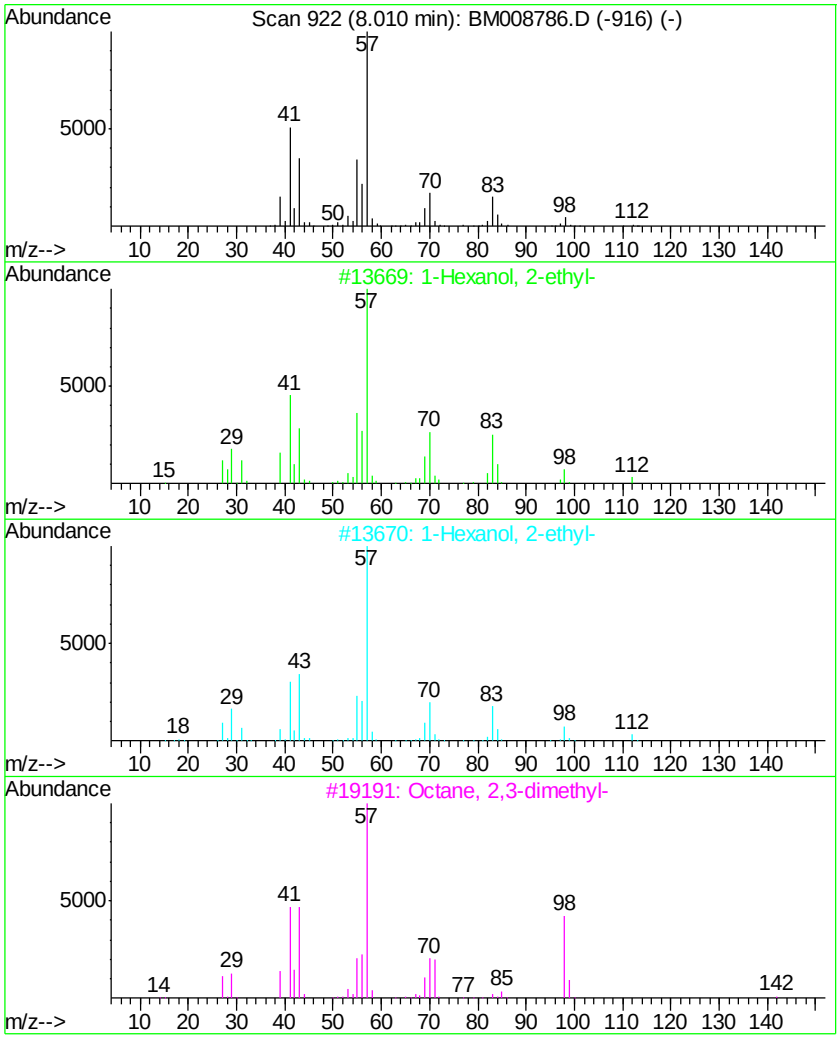
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

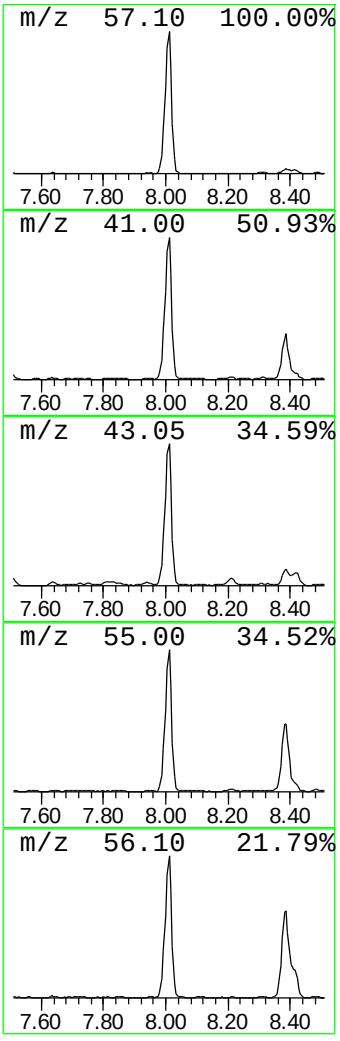
****

Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	146.49 ng/ul	5406540	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
4	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56
5	Acetic acid, cyano-, 2-ethylhexy...	197	C11H19NO2	013361-34-7	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008786.D
Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

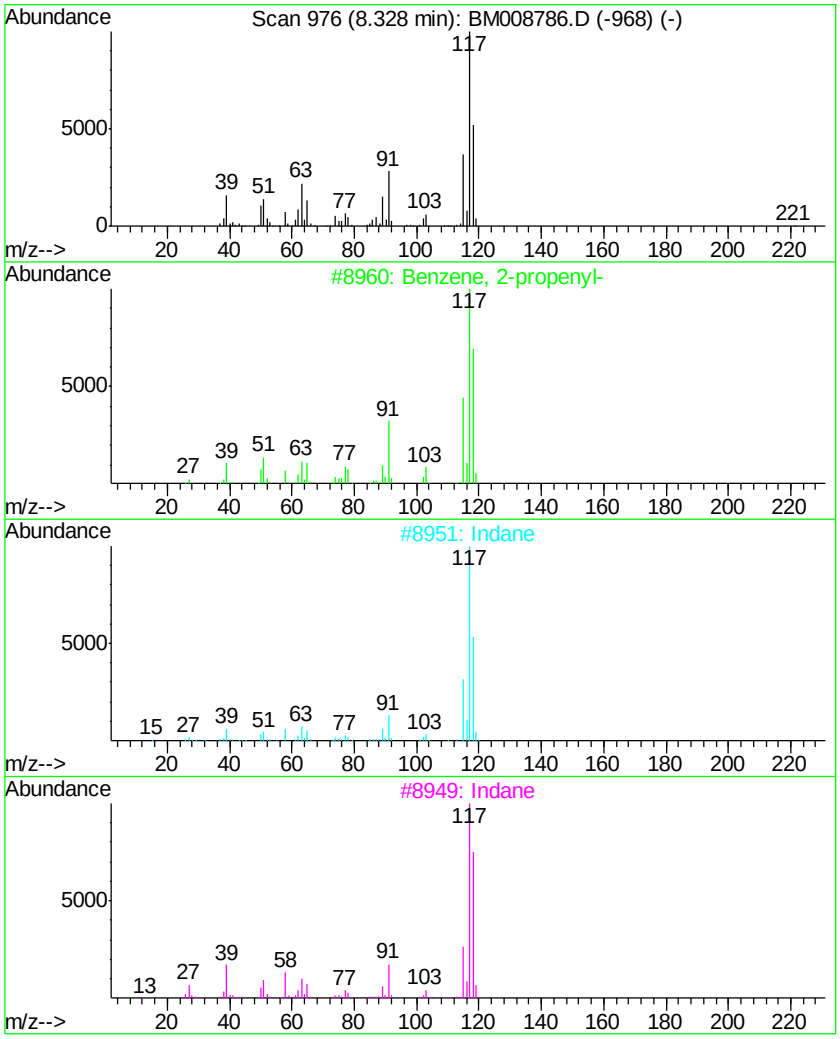
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

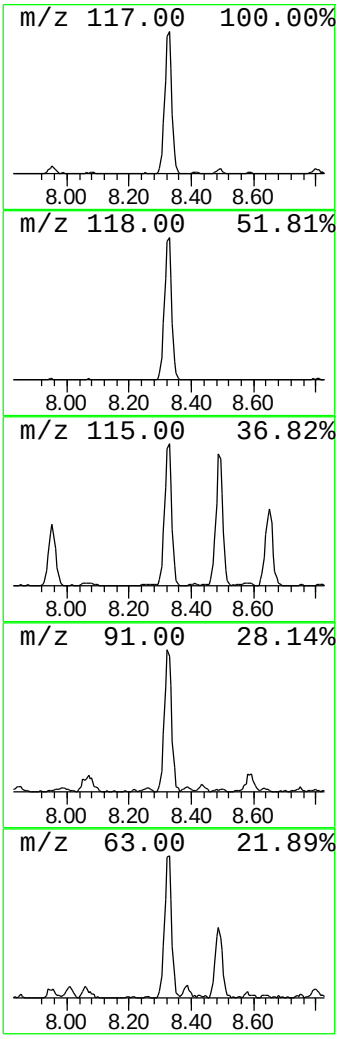
****

Peak Number 3 Benzene, 2-propenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	39.44 ng/ul	1455650	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	81
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





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Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

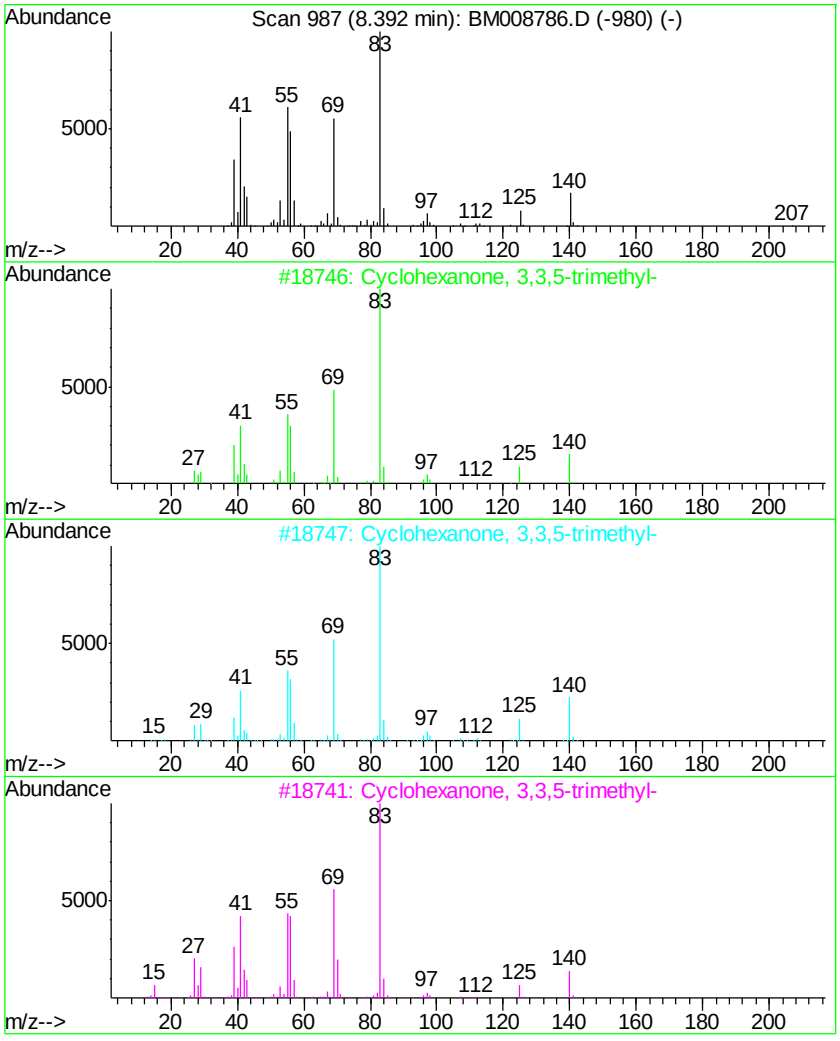
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

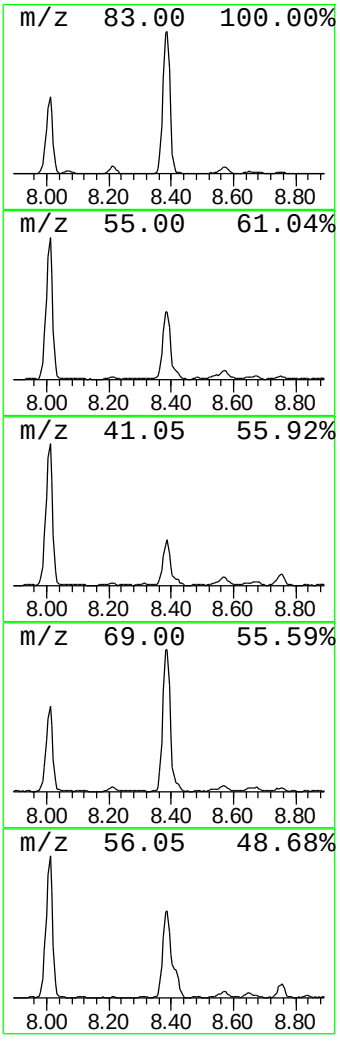
****

Peak Number 4 Cyclohexanone, 3,3,5-trimet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	74.53 ng/ul	2750660	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	93
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	93
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
4	2,4,6-Trimethyl-3-heptene	140	C10H20	1000113-56-9	53
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

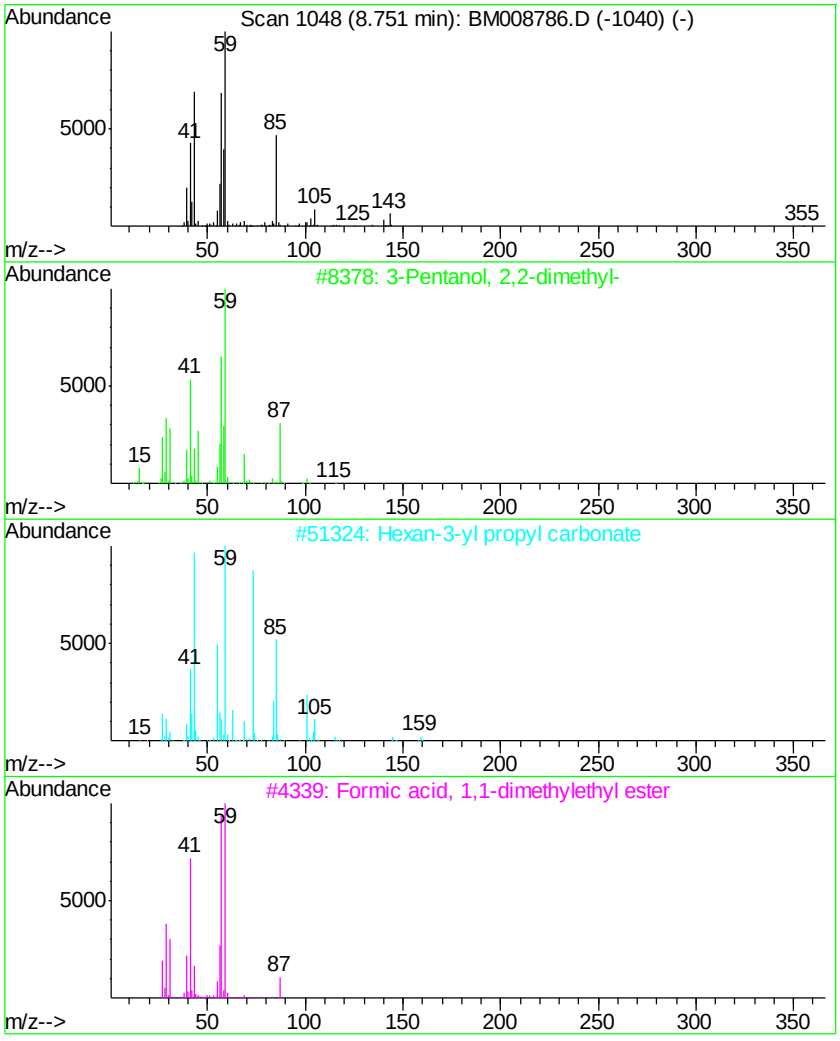
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

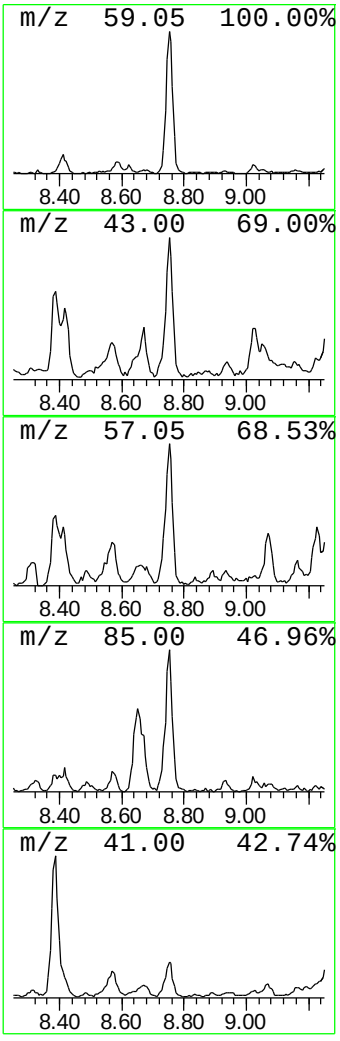
****

Peak Number 5 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	21.96 ng/ul	810526	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	42
2	Hexan-3-yl propyl carbonate	188	C10H20O3	1000372-82-0	40
3	Formic acid, 1,1-dimethylethyl e...	102	C5H10O2	000762-75-4	38
4	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	36
5	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	35





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Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

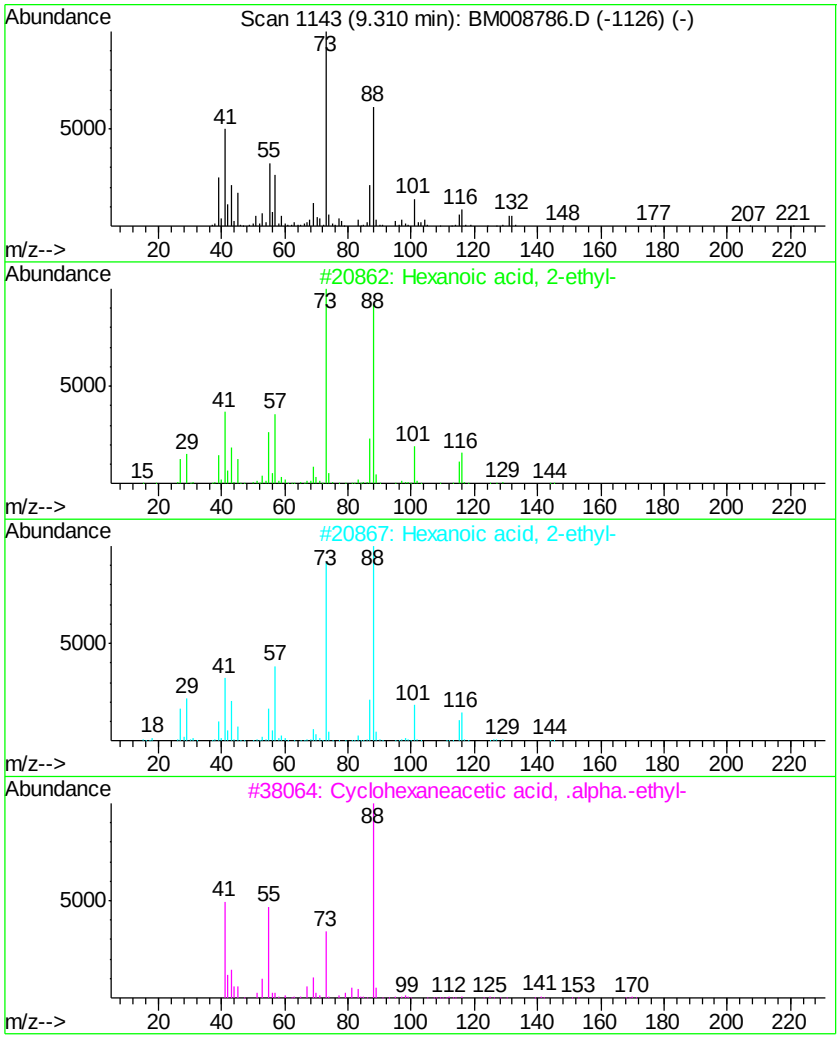
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

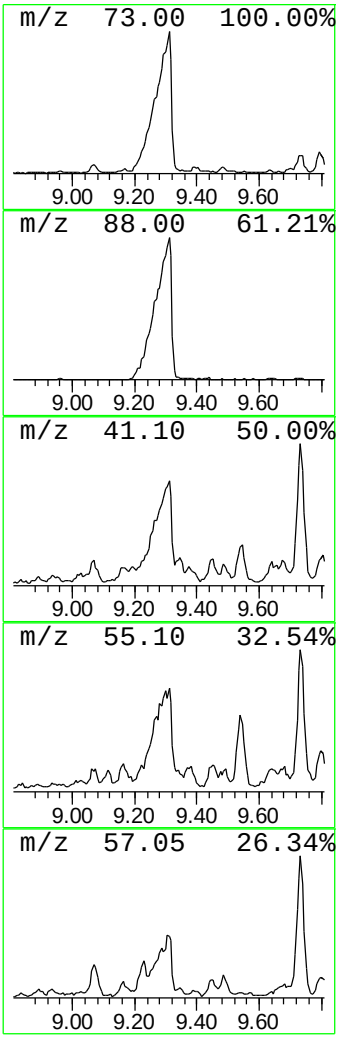
****

Peak Number 6 Hexanoic acid, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	53.24 ng/ul	1964860	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	50
3	Cyclohexaneacetic acid, .alpha.-...	170	C10H18O2	006051-00-9	47
4	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	47
5	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	40





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Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

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

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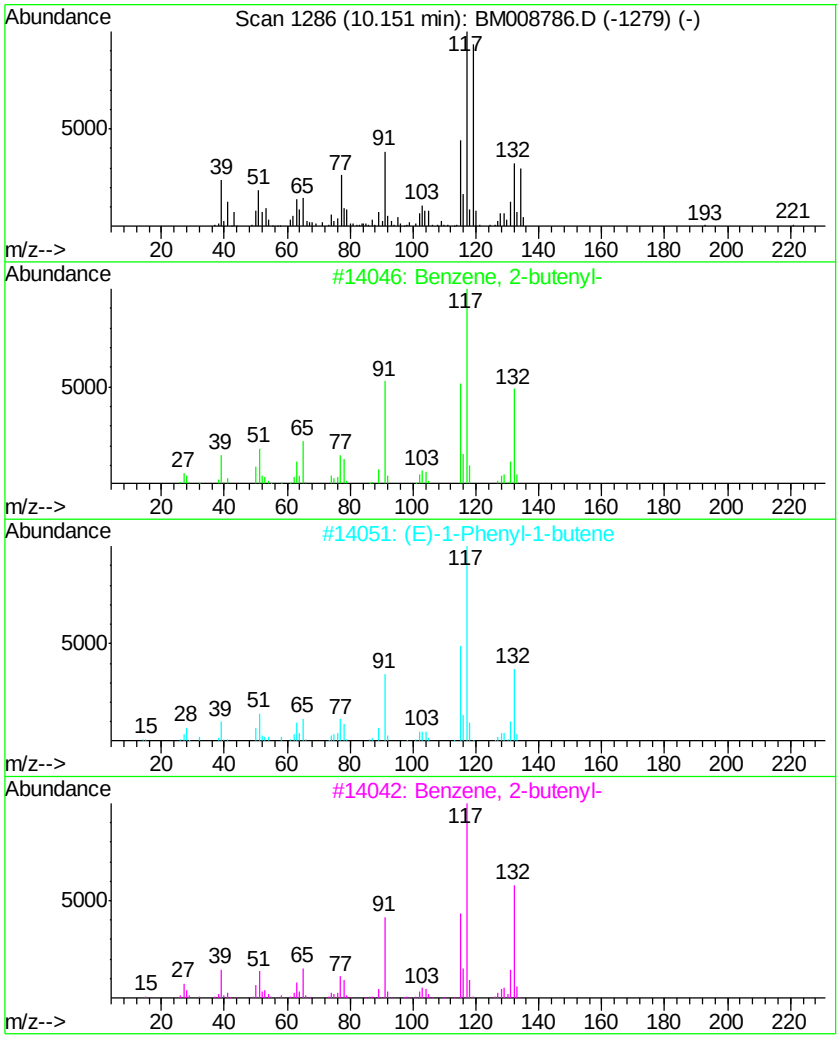
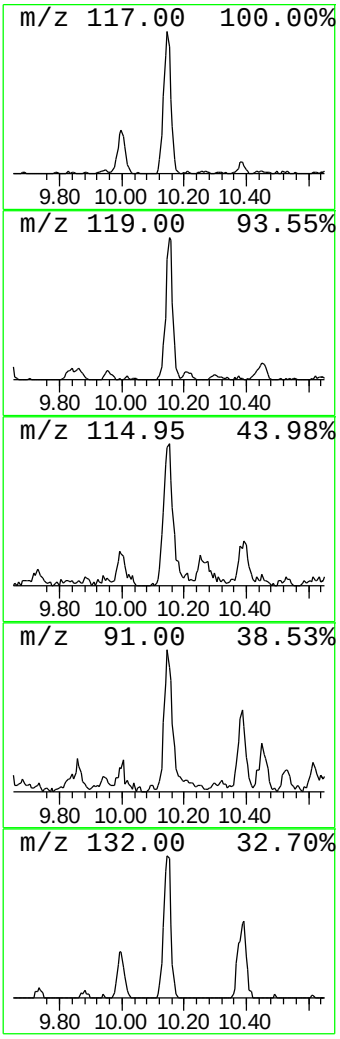
Peak Number 7 Benzene, 2-butenyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	7.41 ng/ul	822648	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	95
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90





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Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

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

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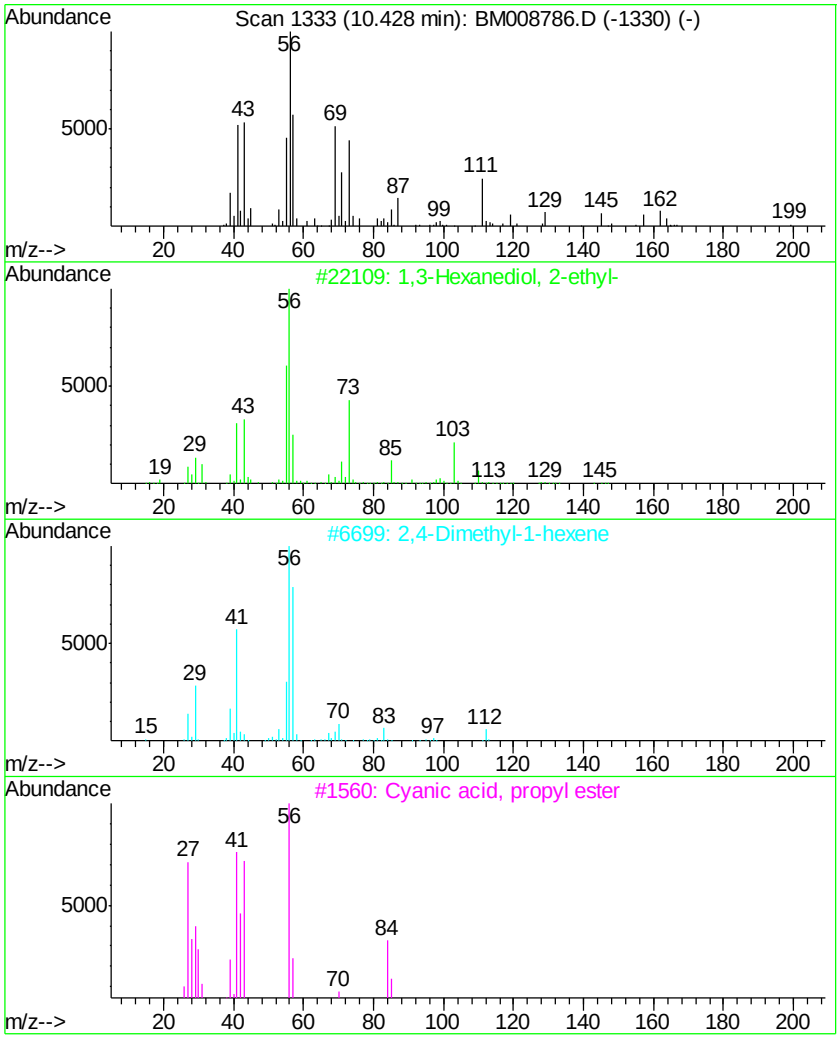
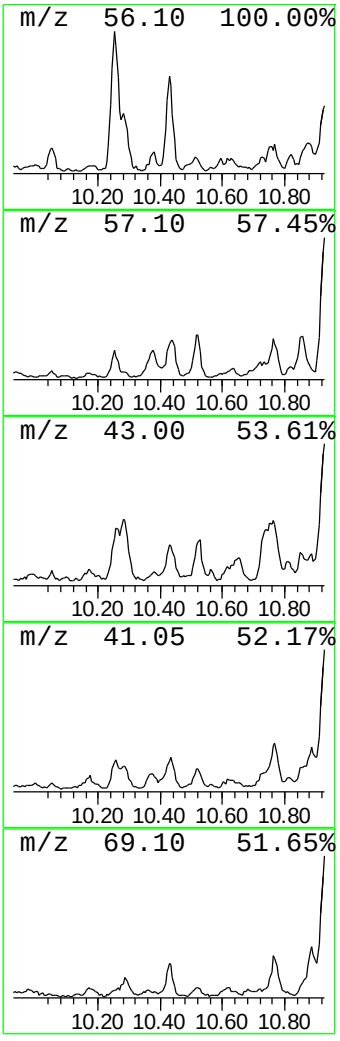
Peak Number 8 unknown-02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	6.26 ng/ul	694463	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	47
2	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	38
3	Cyanic acid, propyl ester	85	C4H7NO	001768-36-1	38
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	38
5	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	38





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Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

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

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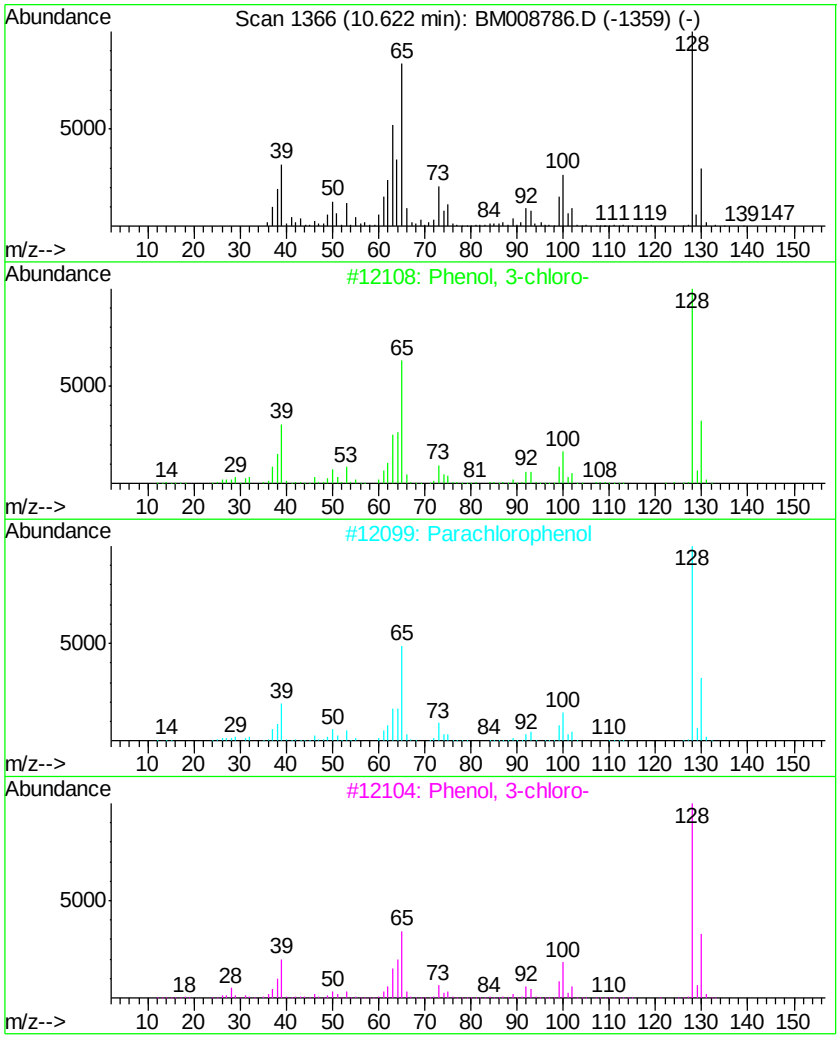
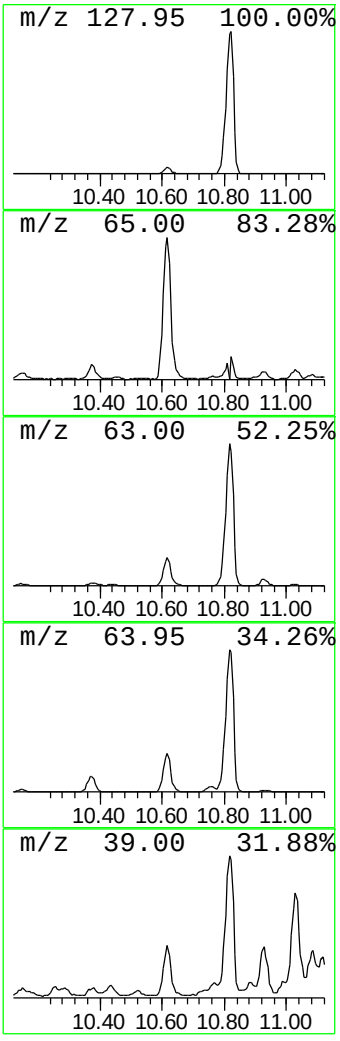
Peak Number 9 Phenol, 3-chloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	22.00 ng/ul	2441080	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	94
2	Parachlorophenol	128	C6H5ClO	000106-48-9	89
3	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	86
4	Parachlorophenol	128	C6H5ClO	000106-48-9	86
5	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	86





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Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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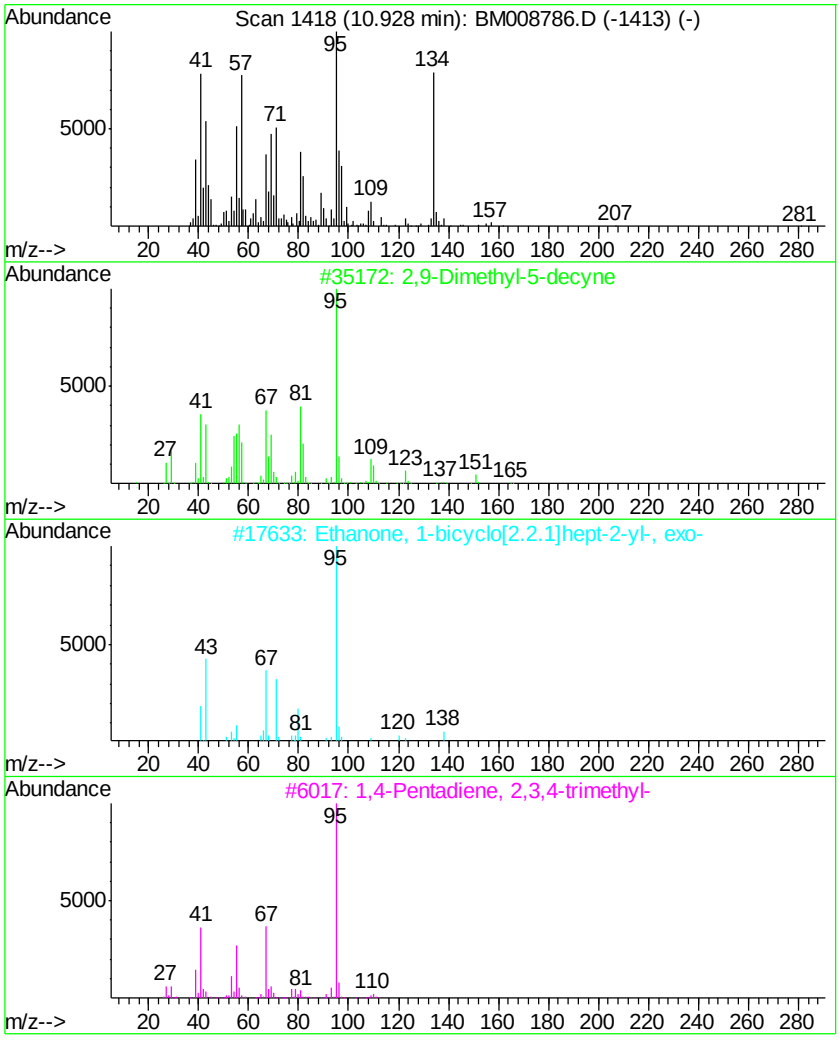
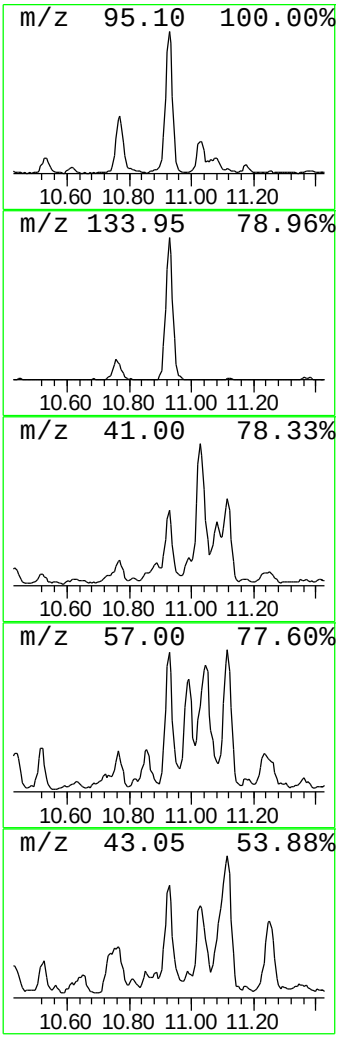
Peak Number 10 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	29.38 ng/ul	3259580	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,9-Dimethyl-5-decyne	166	C12H22	019550-56-2	27
2	Ethanone, 1-bicyclo[2.2.1]hept-2...	138	C9H14O	000824-59-9	27
3	1,4-Pentadiene, 2,3,4-trimethyl-	110	C8H14	072014-90-5	18
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	15
5	exo-2-Bromonorbornane	174	C7H11Br	002534-77-2	14





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Misc :
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Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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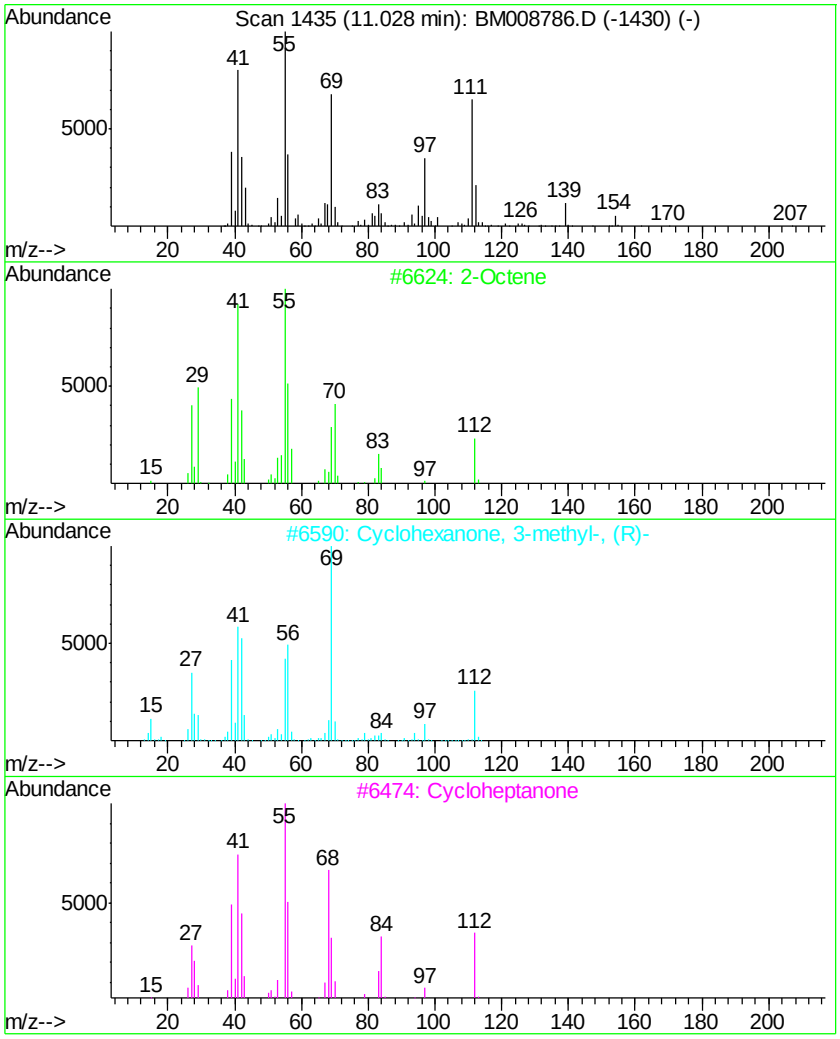
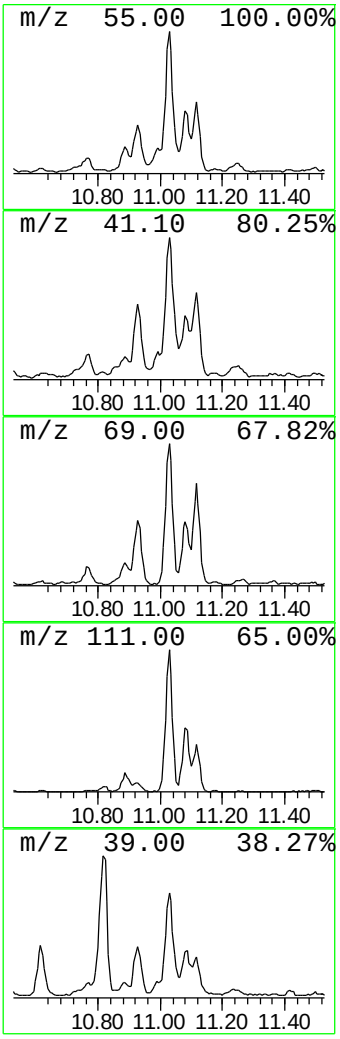
Peak Number 11 (DEL) Alkane: Cyclic11.03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	45.98 ng/ul	5101670	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene	112	C8H16	000111-67-1	60
2	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	50
3	Cycloheptanone	112	C7H12O	000502-42-1	46
4	3-Octene, (Z)-	112	C8H16	014850-22-7	30
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	30





Library Search Compound Report

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Sample : I1323-21
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Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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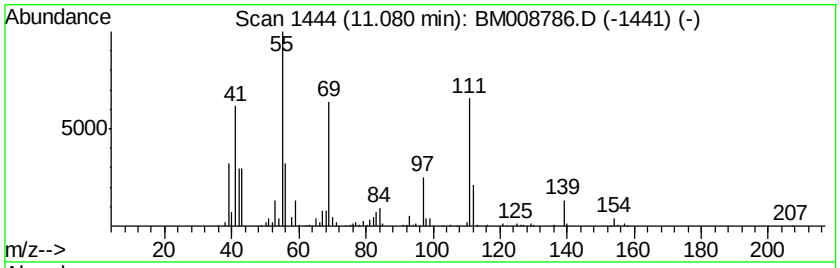
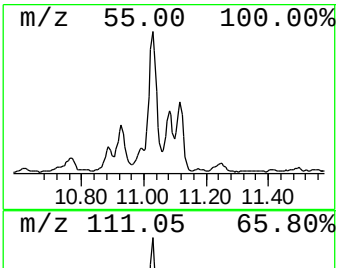
Peak Number 12 unknown-04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	15.73 ng/ul	1745690	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	104518-69-6	49
2	2-Pentenal, 2-ethyl-	112	C7H12O	003491-57-4	45
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	43
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	43
5	3-Octene, (Z)-	112	C8H16	014850-22-7	38





Library Search Compound Report

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Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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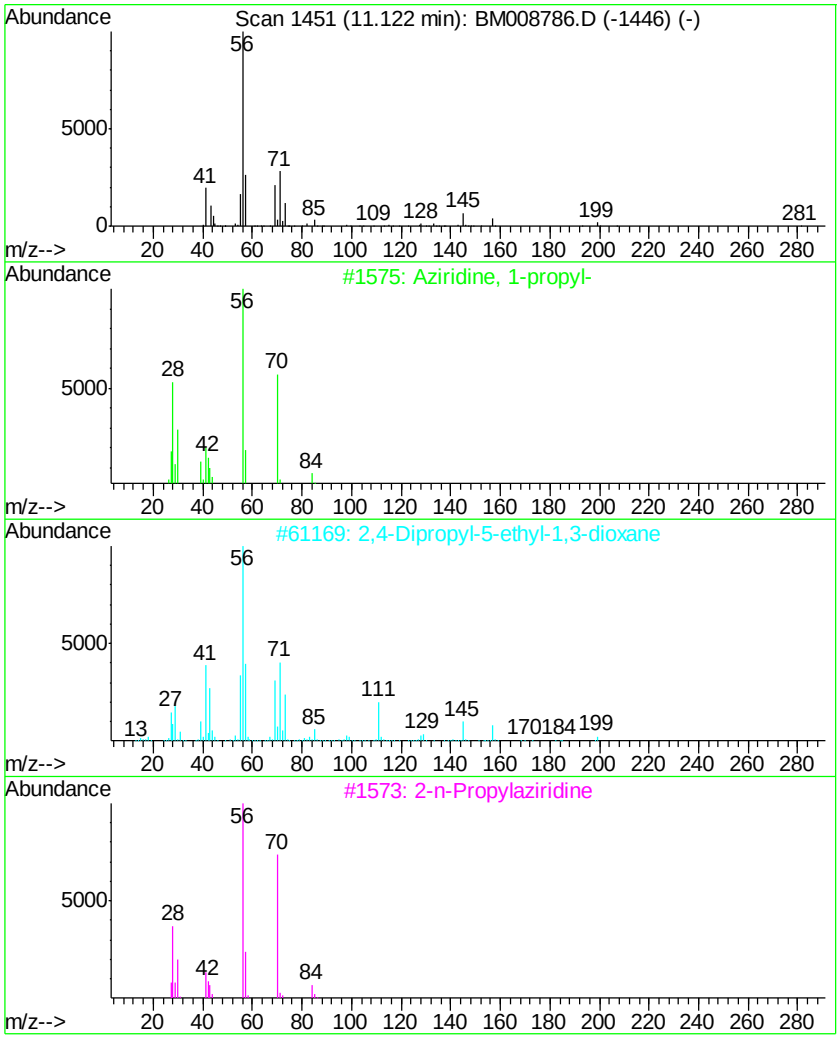
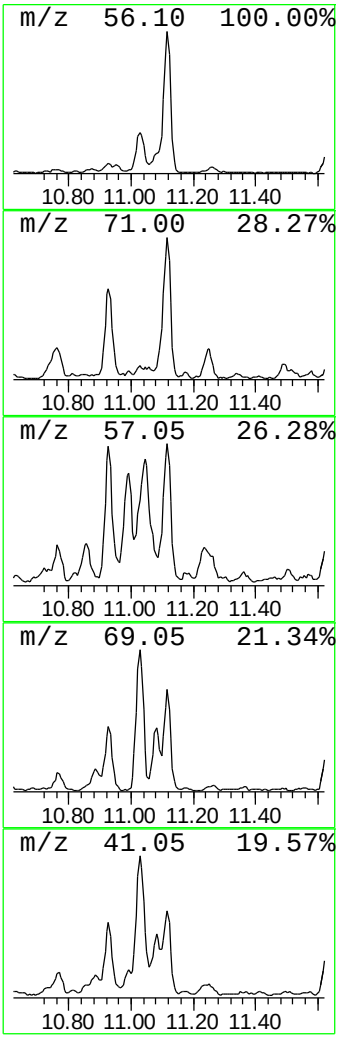
Peak Number 13 Aziridine, 1-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	29.65 ng/ul	3289940	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aziridine, 1-propyl-	85	C5H11N	005536-98-1	50
2	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	25
3	2-n-Propylaziridine	85	C5H11N	003647-38-9	9
4	1-Decene, 2-methyl-	154	C11H22	013151-27-4	9
5	m-Dioxane, 4,5,5-trimethyl-	130	C7H14O2	006301-68-4	9





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

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

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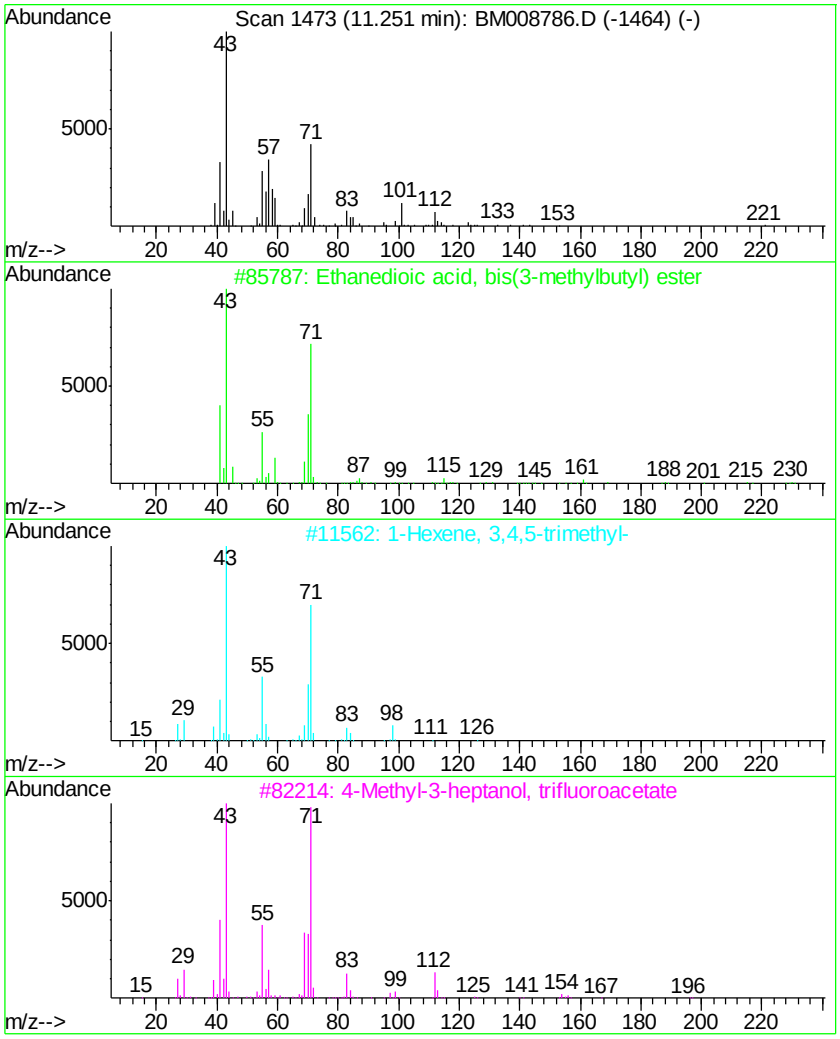
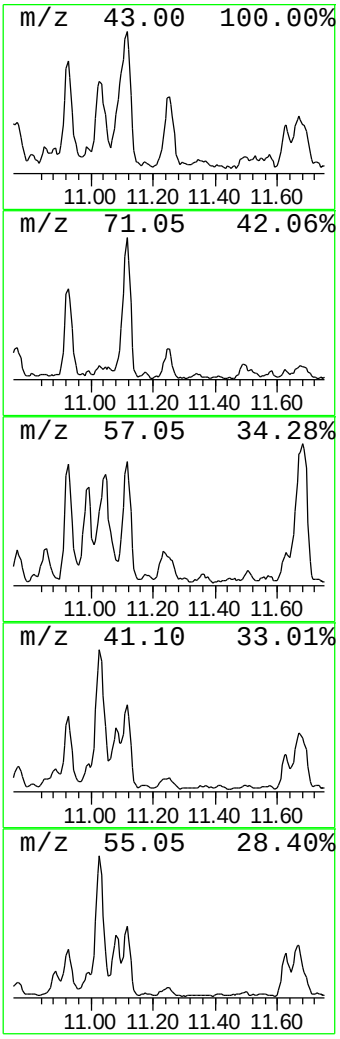
Peak Number 14 Ethanedioic acid, bis(3-met... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	6.88 ng/ul	763705	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	50
2	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	47
3	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	47
4	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	43
5	Decane, 4-methyl-	156	C11H24	002847-72-5	40





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Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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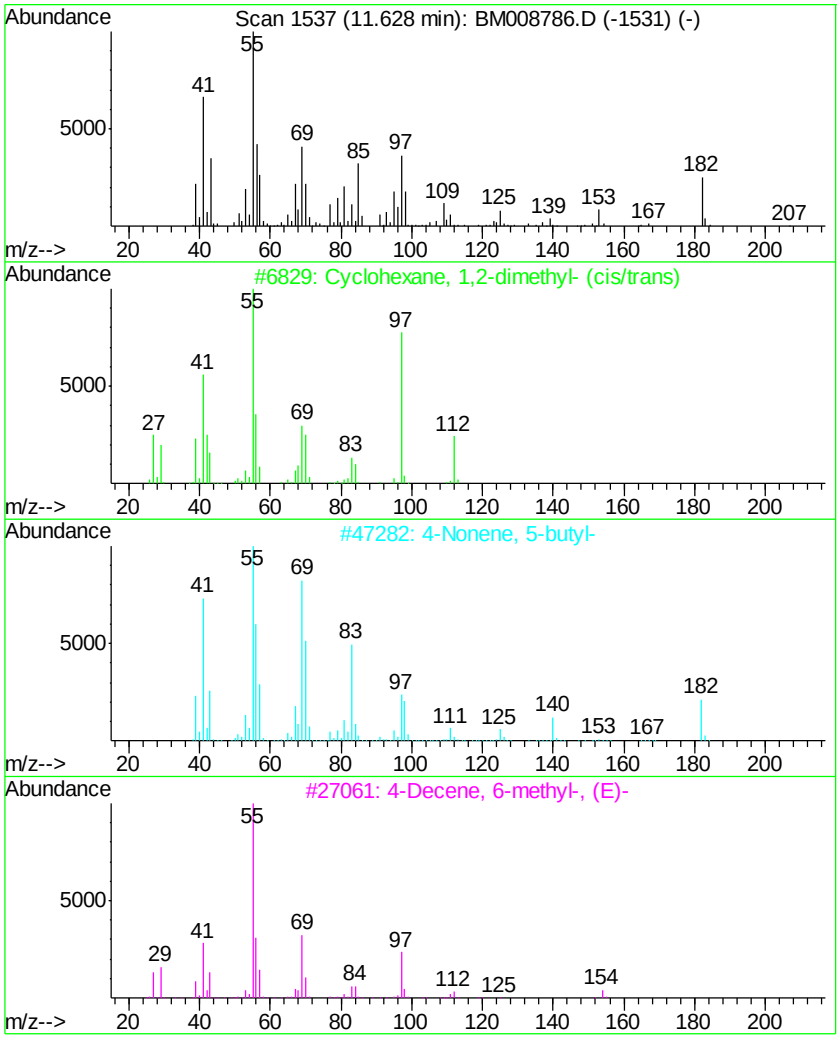
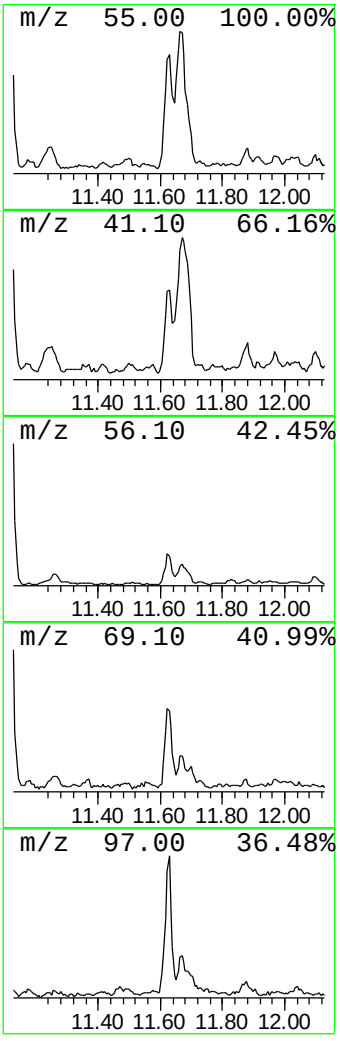
Peak Number 15 (DEL) Alkane: Cyclic11.63 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	13.88 ng/ul	1540400	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	35
2	4-Nonene, 5-butyl-	182	C13H26	007367-38-6	30
3	4-Decene, 6-methyl-, (E)-	154	C11H22	036229-57-9	27
4	4-Undecene, 6-methyl-	168	C12H24	1000061-85-4	25
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	22





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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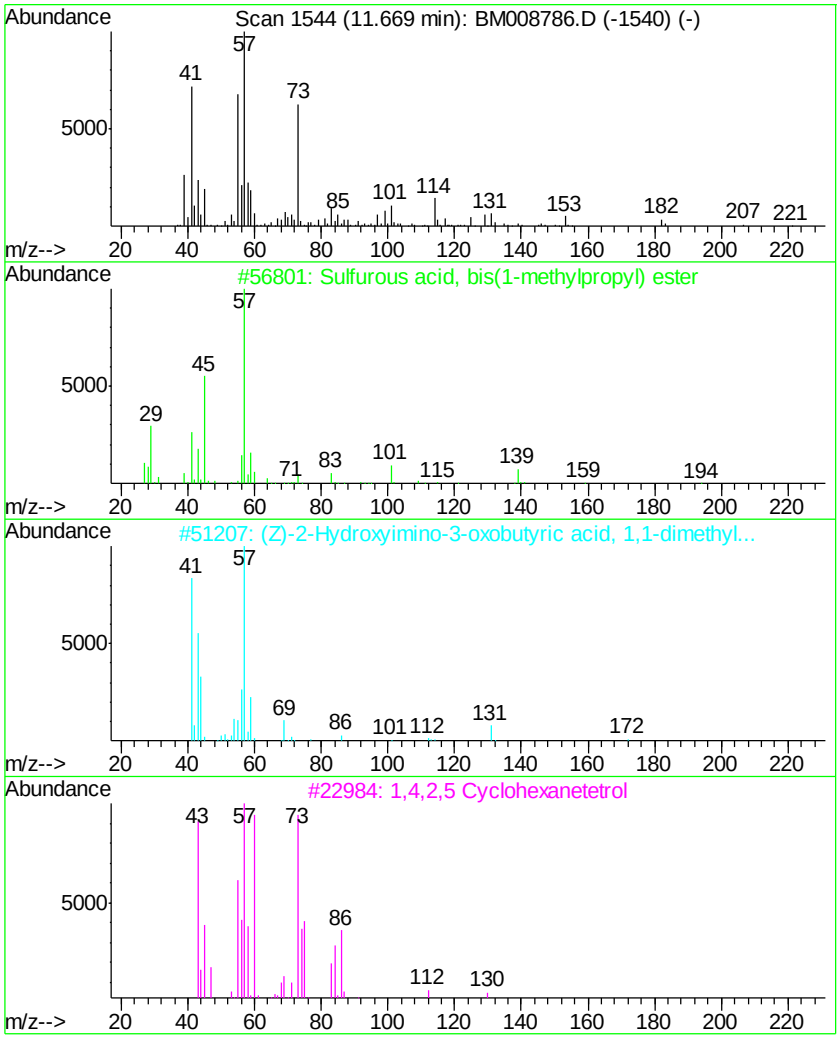
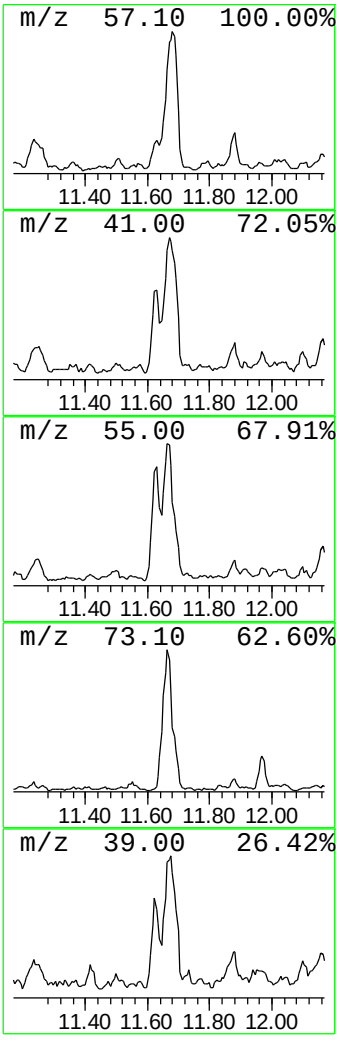
Peak Number 16 unknown-05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	22.71 ng/ul	2519730	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, bis(1-methylprop...	194	C8H18O3S	024769-51-5	38
2	(Z)-2-Hydroxyimino-3-oxobutyric ...	187	C8H13NO4	1000308-88-5	38
3	1,4,2,5 Cyclohexanetetrol	148	C6H12O4	1000371-49-6	32
4	Succinimide, N-methoxy-	129	C5H7NO3	005904-50-7	16
5	4-Heptanone, oxime	129	C7H15NO	001188-63-2	14





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Quant Title : SVOA CALIBRATION

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

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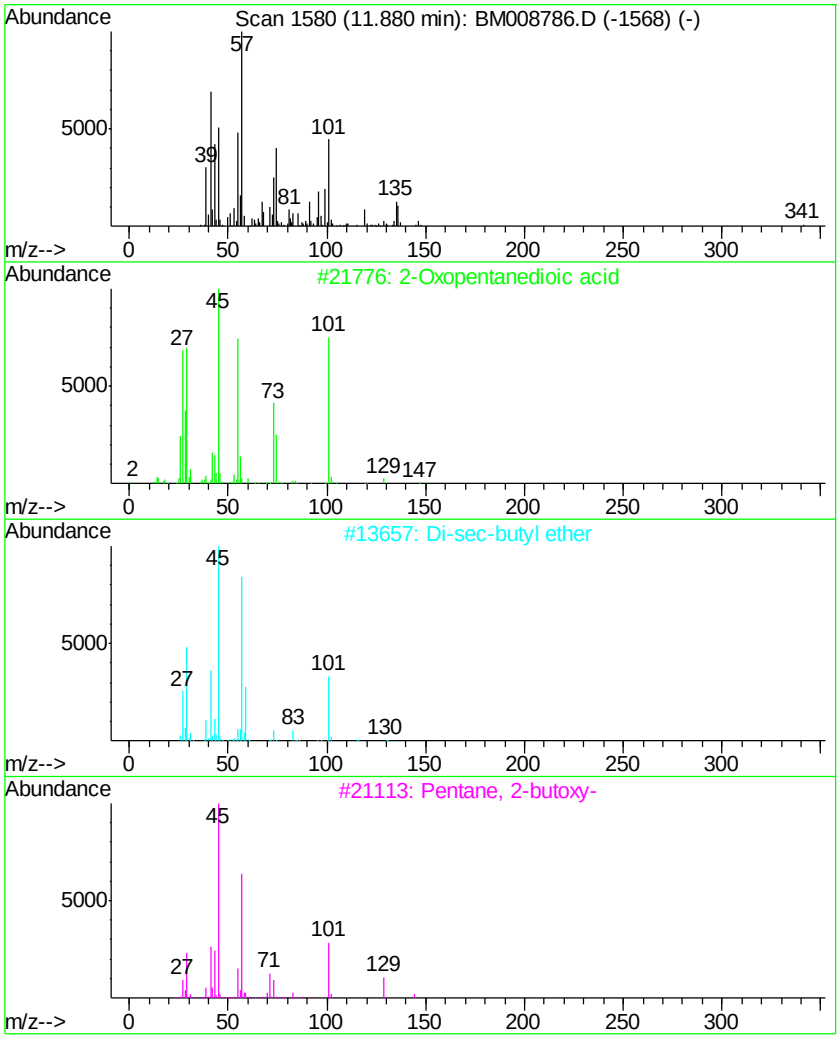
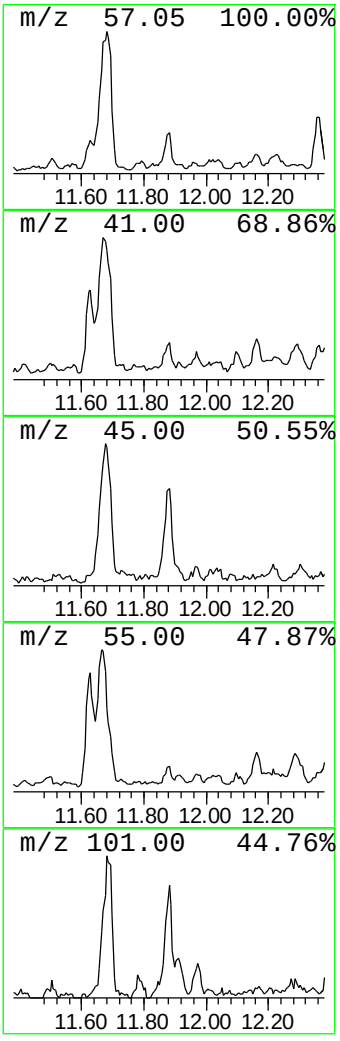
Peak Number 17 unknown-06 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	6.47 ng/ul	717926	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxopentanedioic acid	146	C5H6O5	000328-50-7	38
2	Di-sec-butyl ether	130	C8H18O	006863-58-7	32
3	Pentane, 2-butoxy-	144	C9H20O	062238-02-2	32
4	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	27
5	Propanoic acid, silver(1+) salt	180	C3H5AgO2	005489-14-5	25





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Quant Title : SVOA CALIBRATION

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

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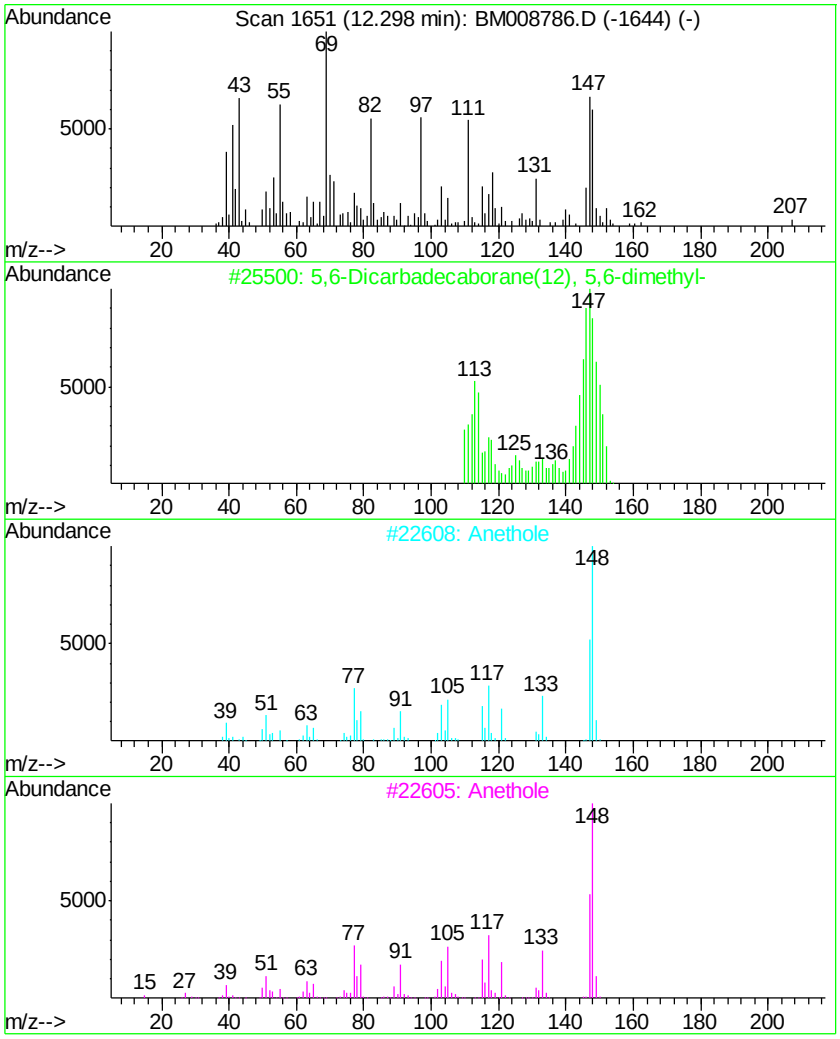
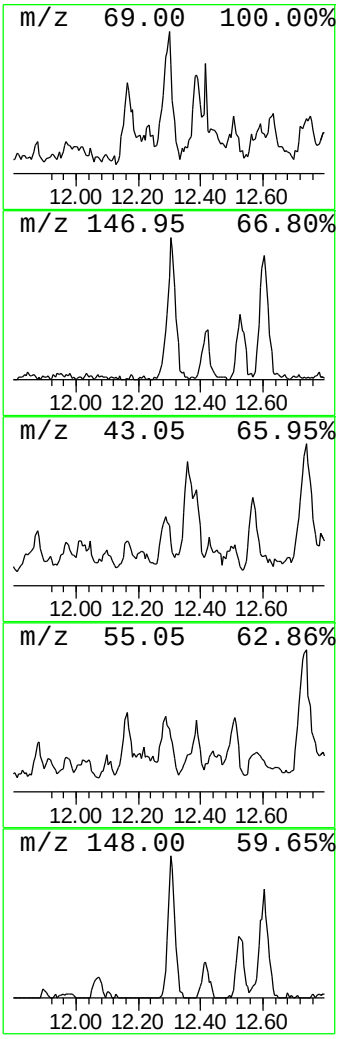
Peak Number 18 unknown-07 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.34 ng/ul	814288	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6-Dicarbadecaborane(12), 5,6-d...	152	C4H16B8	031566-09-3	43
2	Anethole	148	C10H12O	000104-46-1	25
3	Anethole	148	C10H12O	000104-46-1	25
4	Anethole	148	C10H12O	000104-46-1	25
5	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	22





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Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

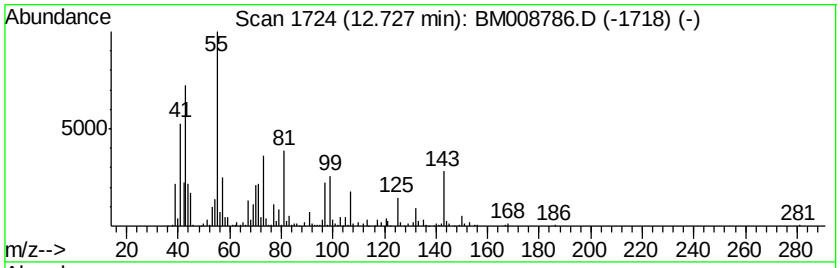
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

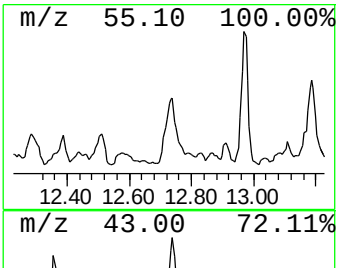
****

Peak Number 21 unknown-08 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	9.47 ng/ul	1261720	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-5-hydroxy-isoxazole	99	C4H5NO2	045469-93-0	30
2	3-Methyl-isoxazol-5(4H)-one	99	C4H5NO2	001517-96-0	27
3	Propanedinitrile, (2-methylcyclo...	162	C10H14N2	074764-54-8	22
4	Hydroxylamine, O-(3-methylbutyl)-	103	C5H13NO	019411-65-5	22
5	3-Nonen-2-one	140	C9H16O	014309-57-0	16





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Sample : I1323-21
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Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

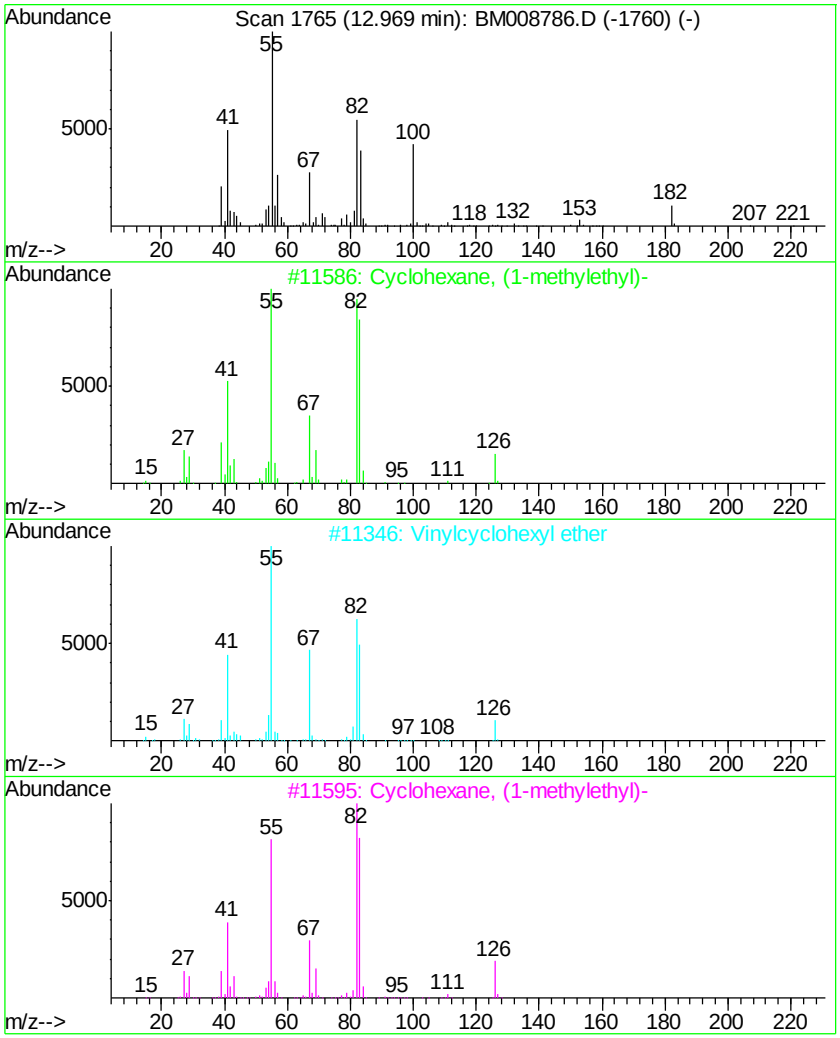
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

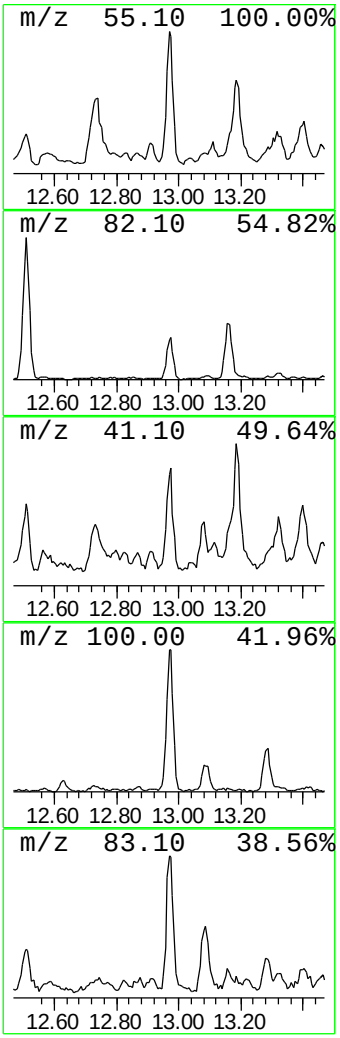
****

Peak Number 22 (DEL) Alkane: Cyclic12.97 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	7.39 ng/ul	985193	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
2	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	47
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	42
4	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	38
5	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	38





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Instrument : BNA_M
ClientSampleId : DA9R6

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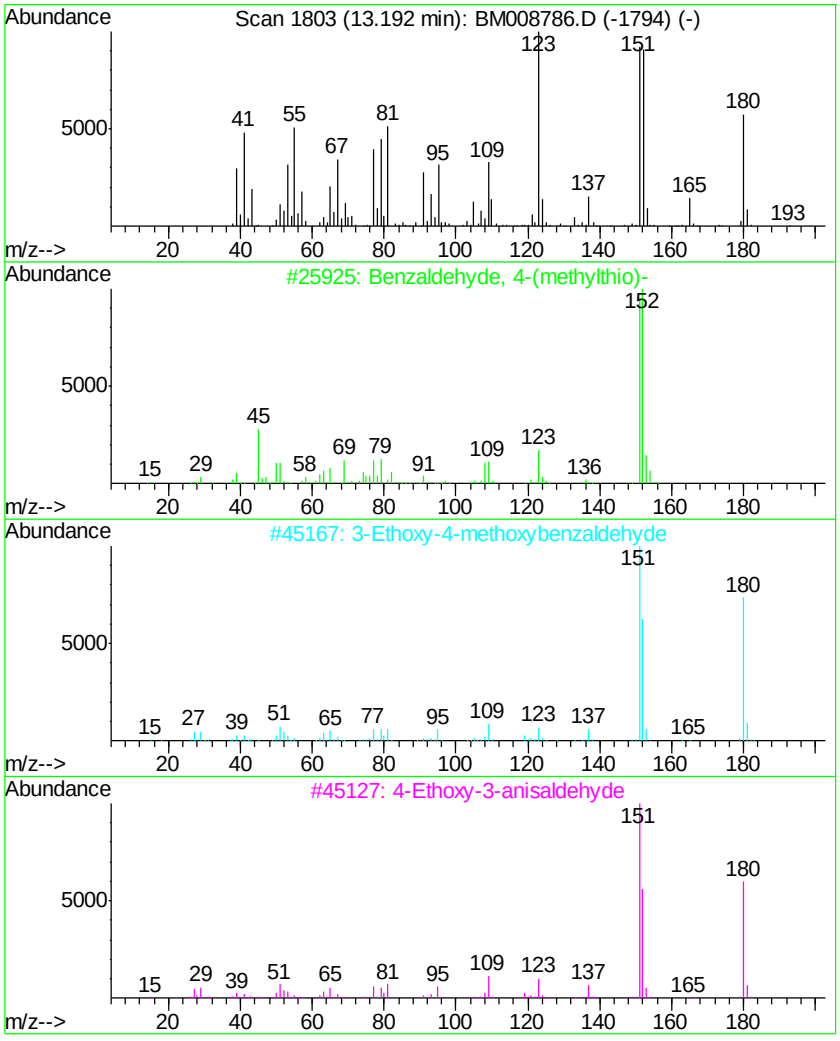
Quant Title : SVOA CALIBRATION

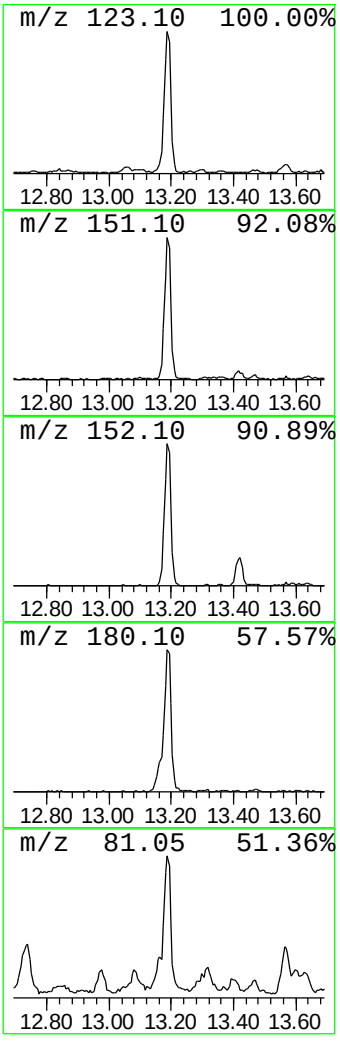
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzaldehyde, 4-(methylthio)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	22.83 ng/ul	3043240	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-(methylthio)-	152	C8H8OS	003446-89-7	50
2	3-Ethoxy-4-methoxybenzaldehyde	180	C10H12O3	001131-52-8	46
3	4-Ethoxy-3-anisaldehyde	180	C10H12O3	000120-25-2	38
4	4-Ethoxy-3-anisaldehyde	180	C10H12O3	000120-25-2	30
5	4-Ethoxy-3-anisaldehyde	180	C10H12O3	000120-25-2	30





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Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
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Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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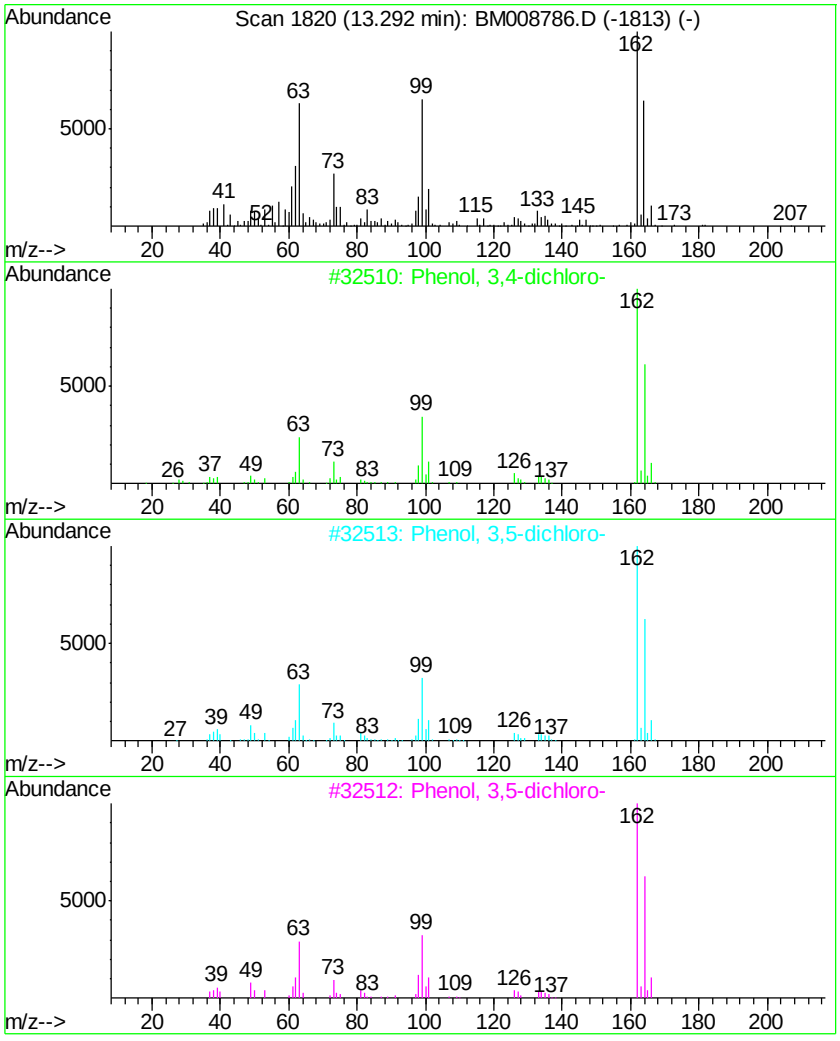
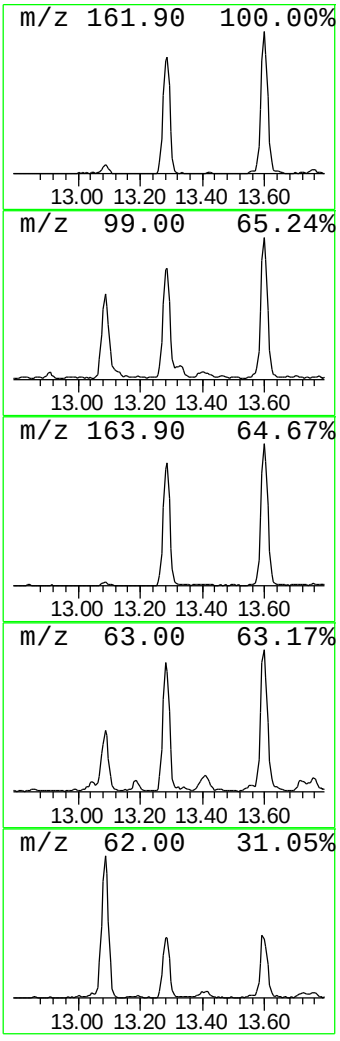
Peak Number 24 Phenol, 3,4-dichloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	14.34 ng/ul	1910940	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dichloro-	162	C6H4Cl2O	000095-77-2	89
2	Phenol, 3,5-dichloro-	162	C6H4Cl2O	000591-35-5	87
3	Phenol, 3,5-dichloro-	162	C6H4Cl2O	000591-35-5	87
4	Phenol, 2,5-dichloro-	162	C6H4Cl2O	000583-78-8	70
5	Phenol, 2,5-dichloro-	162	C6H4Cl2O	000583-78-8	64





Library Search Compound Report

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Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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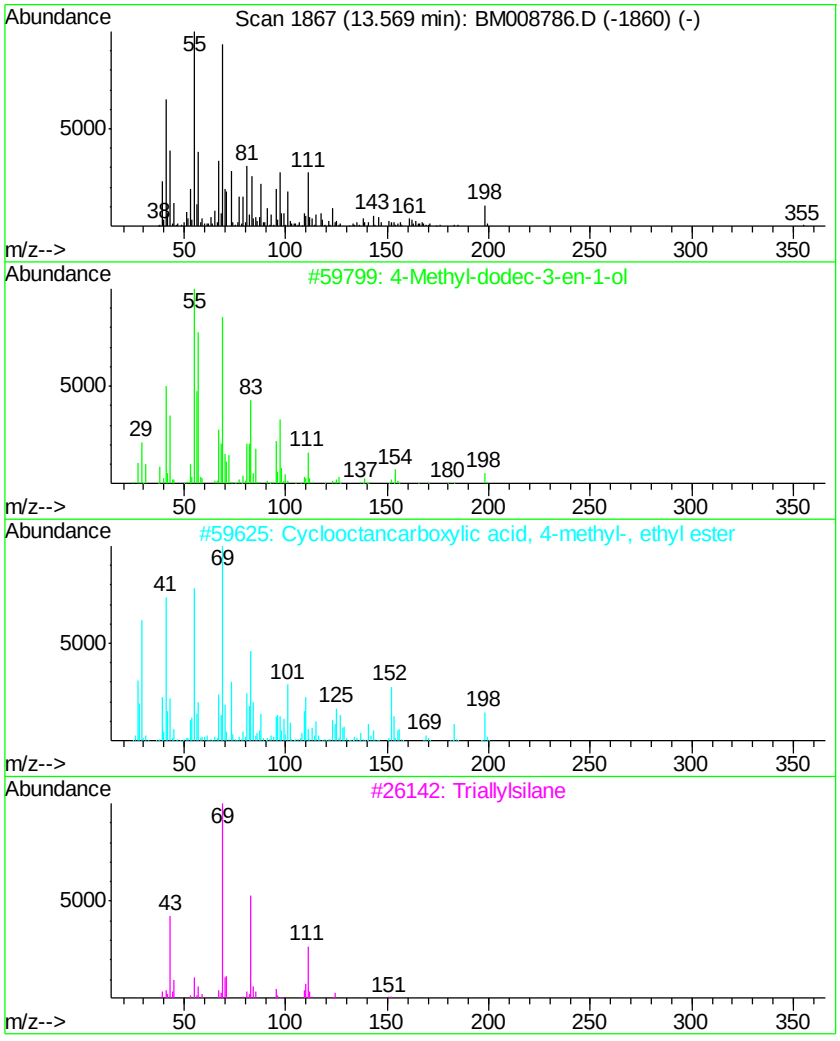
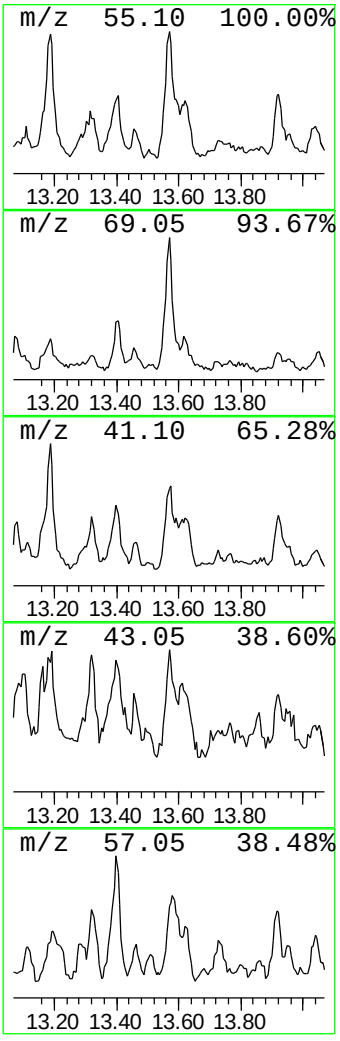
Peak Number 25 unknown-09 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	9.13 ng/ul	1216630	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-dodec-3-en-1-ol	198	C13H26O	1000192-41-0	47
2	Cyclooctancarboxylic acid, 4-met...	198	C12H22O2	1000149-78-5	43
3	Triallylsilane	152	C9H16Si	001116-62-7	38
4	Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	38
5	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	35





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Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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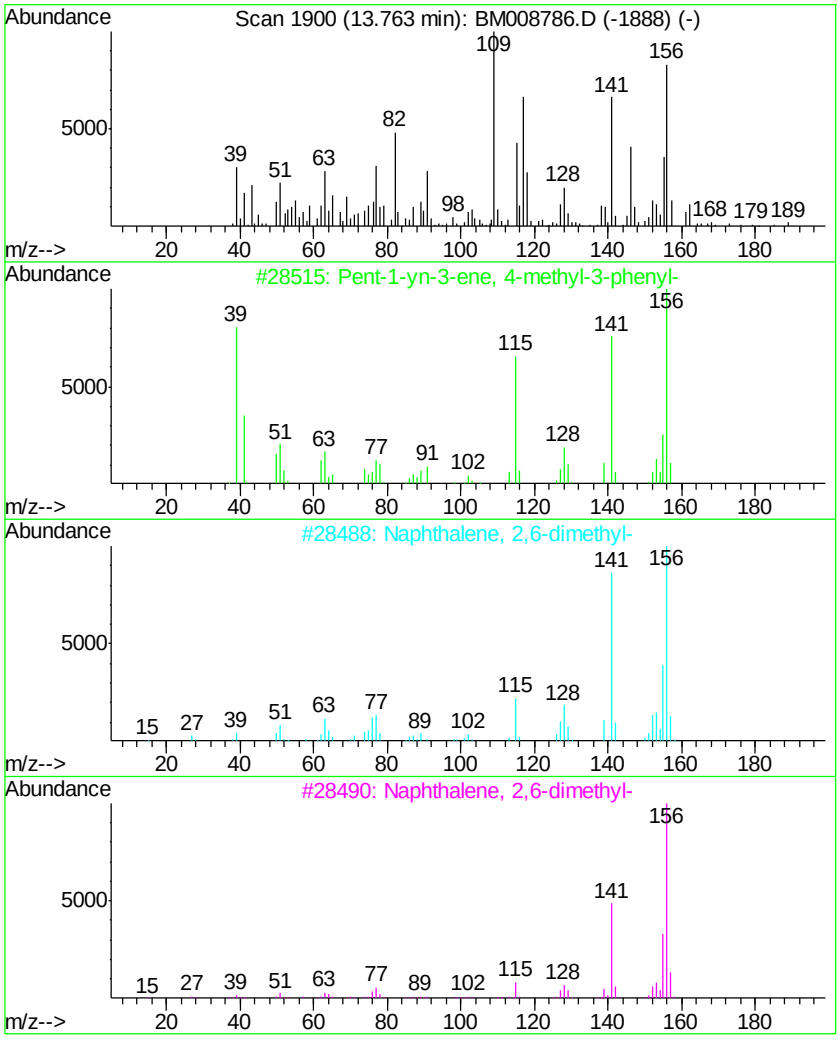
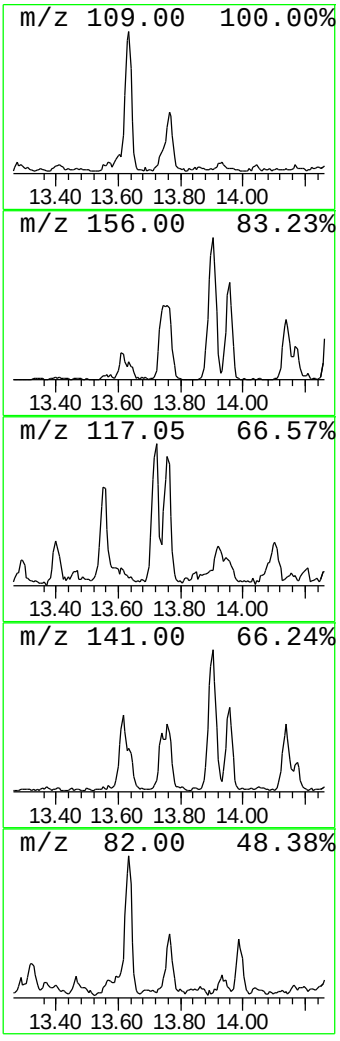
Peak Number 27 Pent-1-yn-3-ene, 4-methyl-3... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	10.90 ng/ul	1452450	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pent-1-yn-3-ene, 4-methyl-3-phenyl-	156	C12H12	065050-80-8	87
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	66
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	59
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	58
5	Indane	118	C9H10	000496-11-7	48





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Sample : I1323-21
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Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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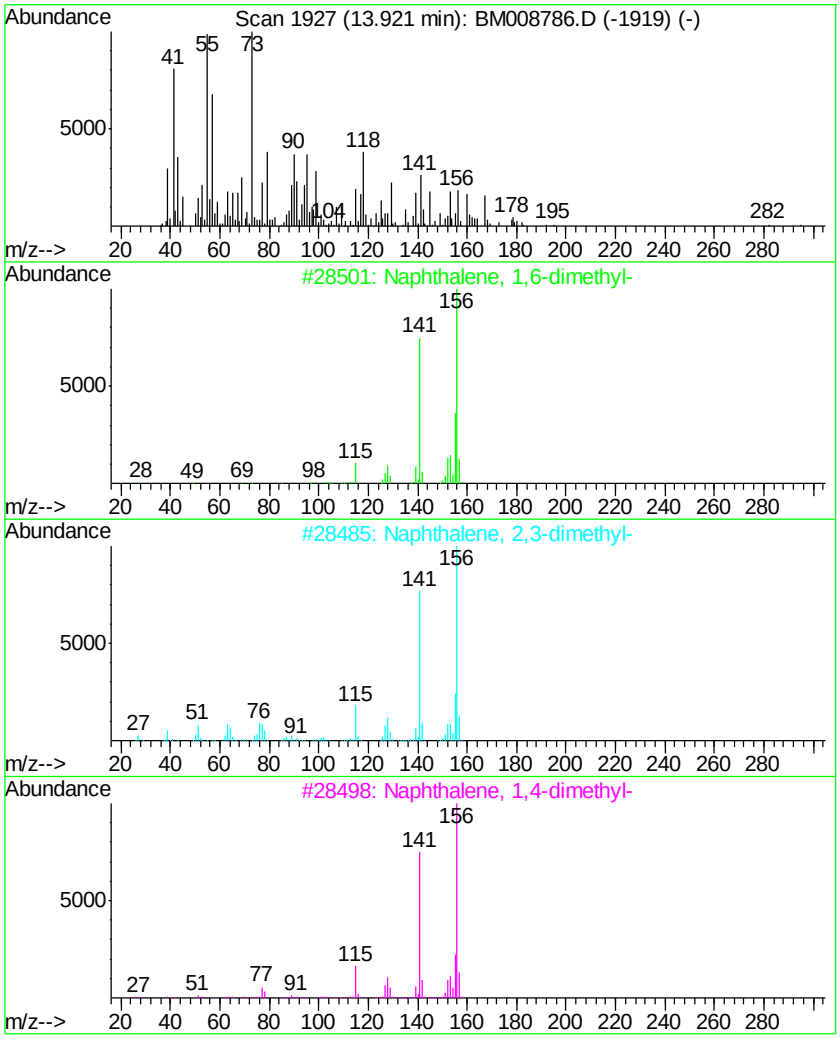
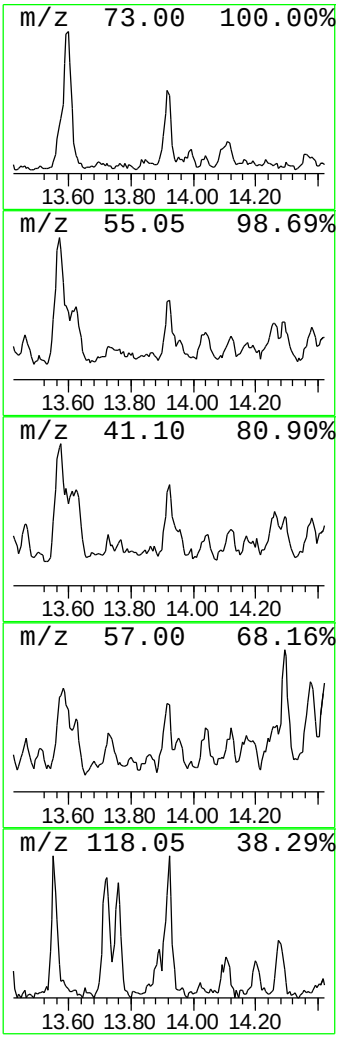
Peak Number 28 Naphthalene, 1,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	10.80 ng/ul	1438840	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	50
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	38
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	38
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	38
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	38





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Instrument : BNA_M
ClientSampleId : DA9R6

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Quant Title : SVOA CALIBRATION

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

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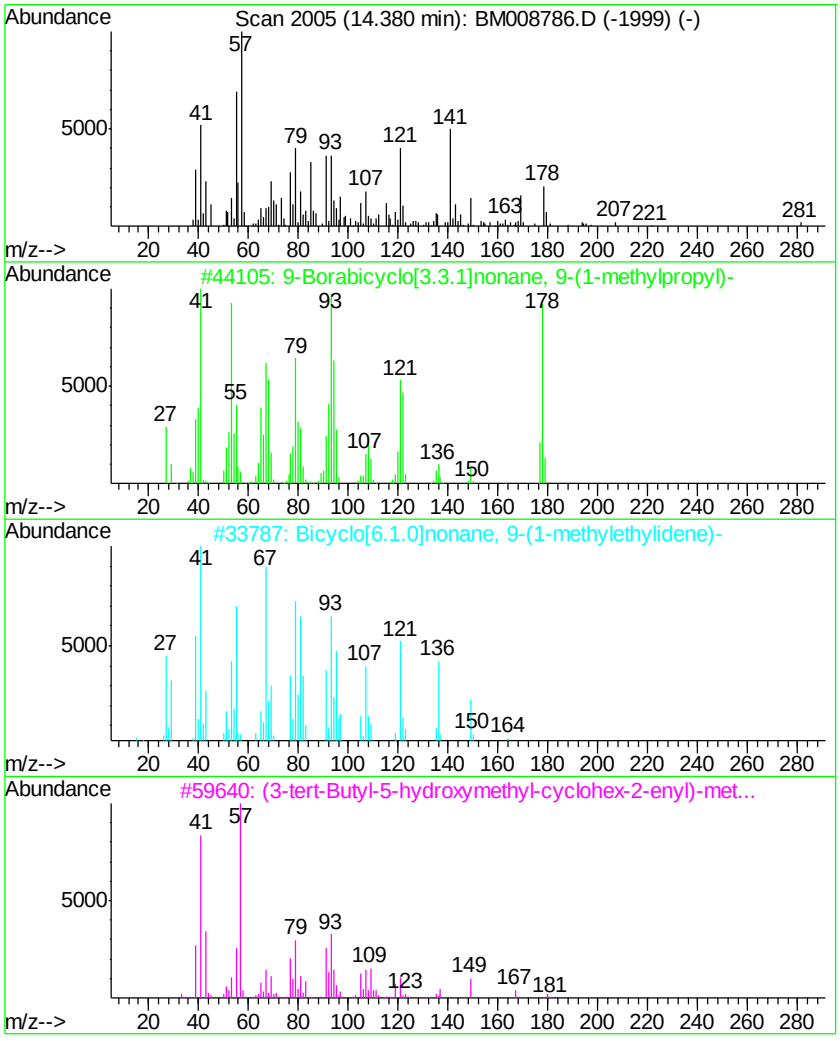
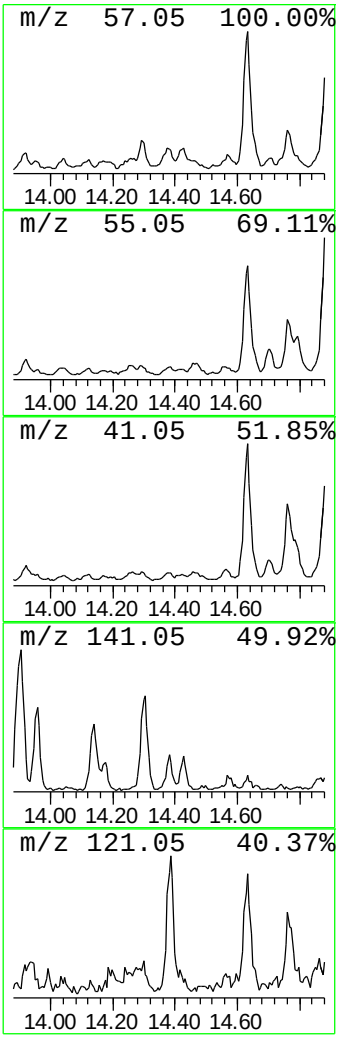
Peak Number 29 unknown-10 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	4.96 ng/ul	661646	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Borabicyclo[3.3.1]nonane, 9-(1...	178	C12H23B	053317-06-9	25
2	Bicyclo[6.1.0]nonane, 9-(1-methy...	164	C12H20	056666-90-1	12
3	(3-tert-Butyl-5-hydroxymethyl-cy...	198	C12H22O2	1000300-54-1	12
4	1,5-Heptadiene, 2,5-dimethyl-3-m...	136	C10H16	074663-83-5	10
5	1,4-Nonadiene, 2-nitro-, (Z)-	169	C9H15NO2	080255-19-2	9





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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 Naphthalene, 1-isocyano- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	10.34 ng/ul	1378420	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	72
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	70
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	70
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	70
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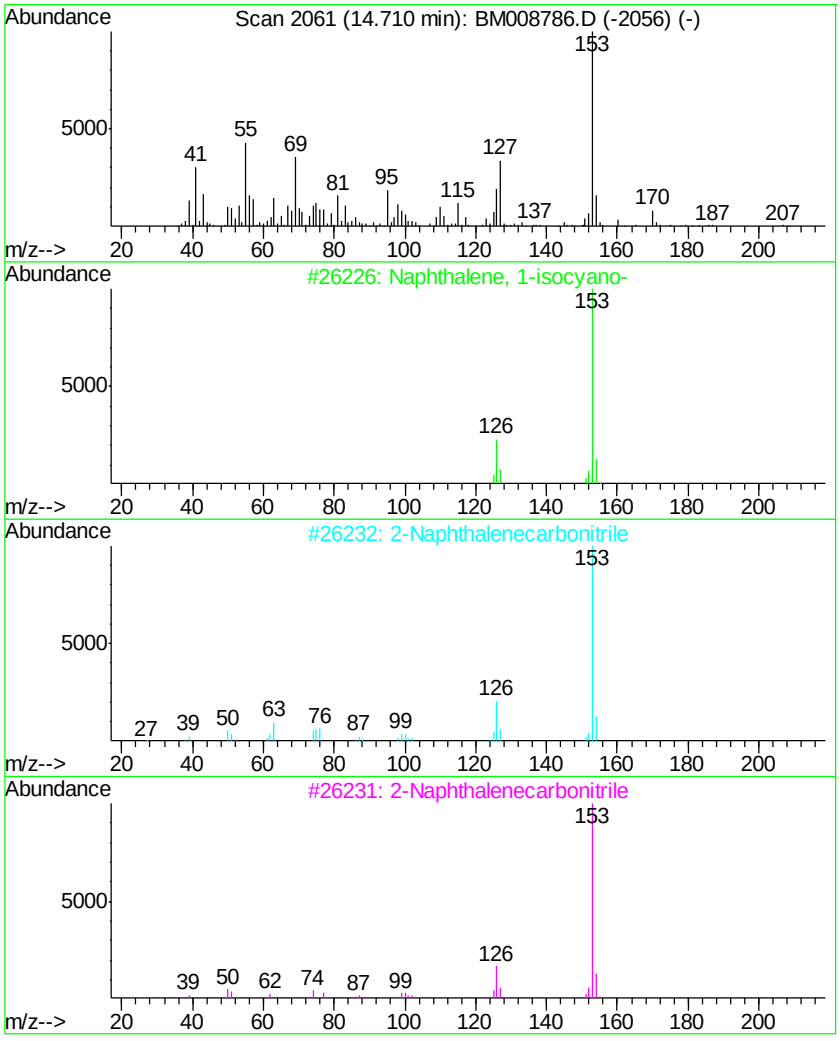

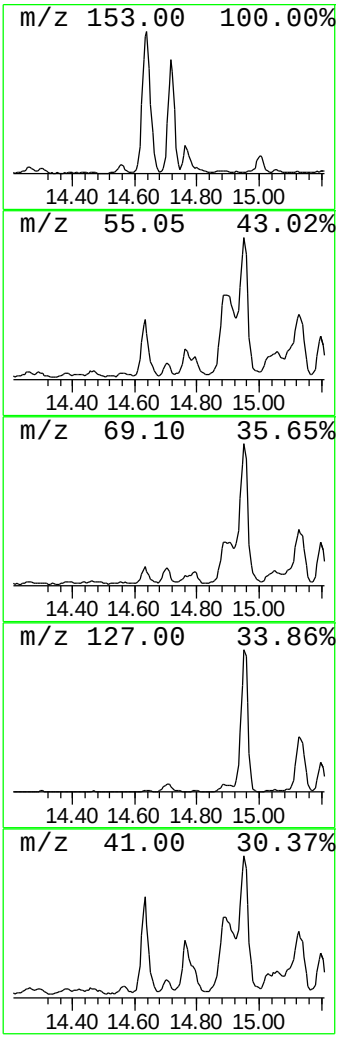

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Quant Title : SVOA CALIBRATION

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

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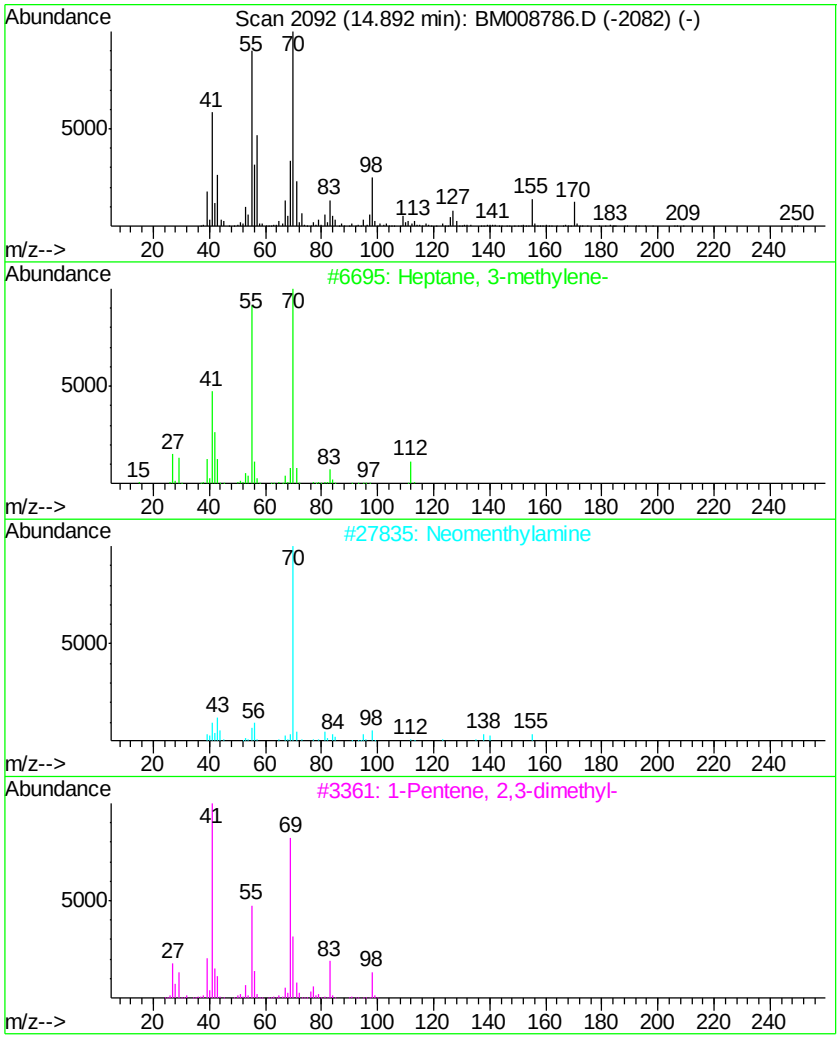
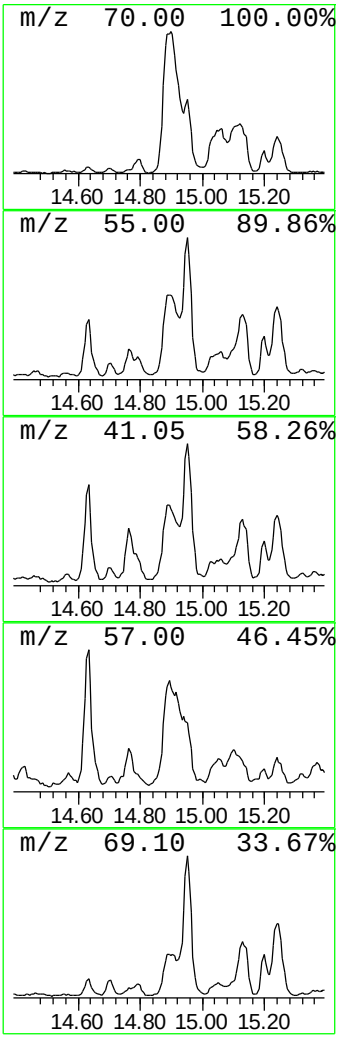
Peak Number 31 (DEL) Alkane: Cyclic14.89 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	74.16 ng/ul	9884080	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methylene-	112	C8H16	001632-16-2	47
2	Neomenthylamine	155	C10H21N	007231-40-5	46
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	38
5	2-Undecene, 9-methyl-, (Z)-	168	C12H24	074630-45-8	38





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Quant Title : SVOA CALIBRATION

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

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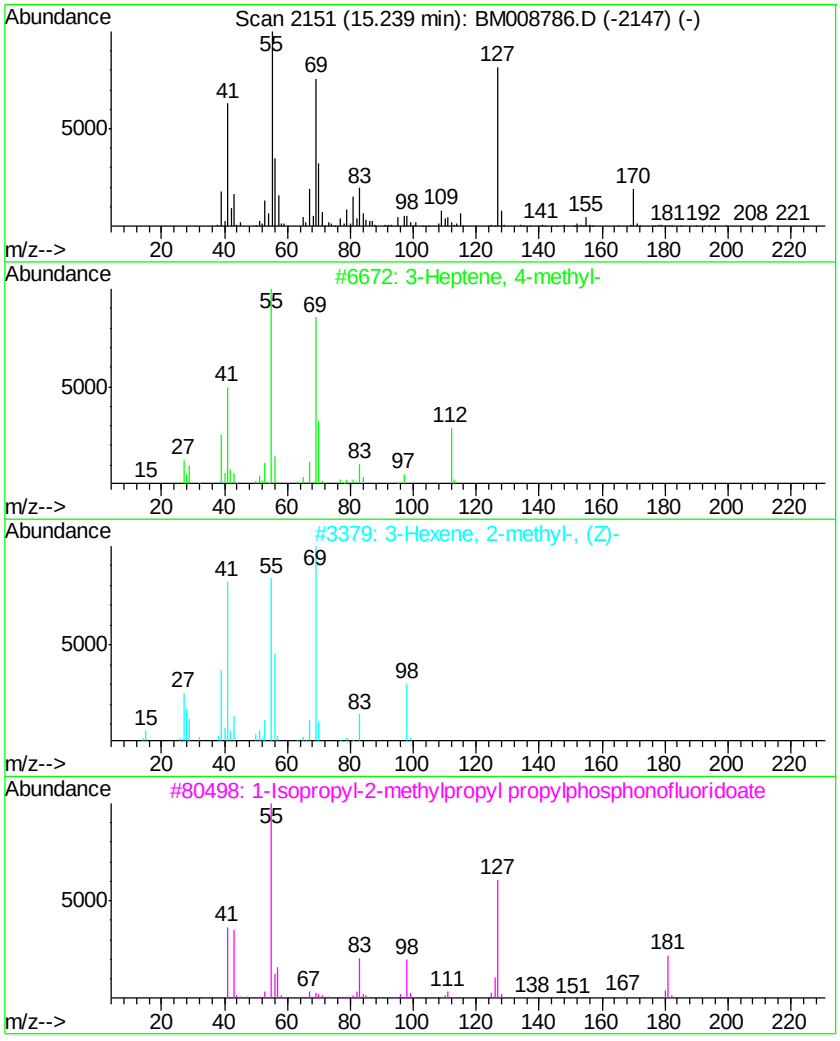
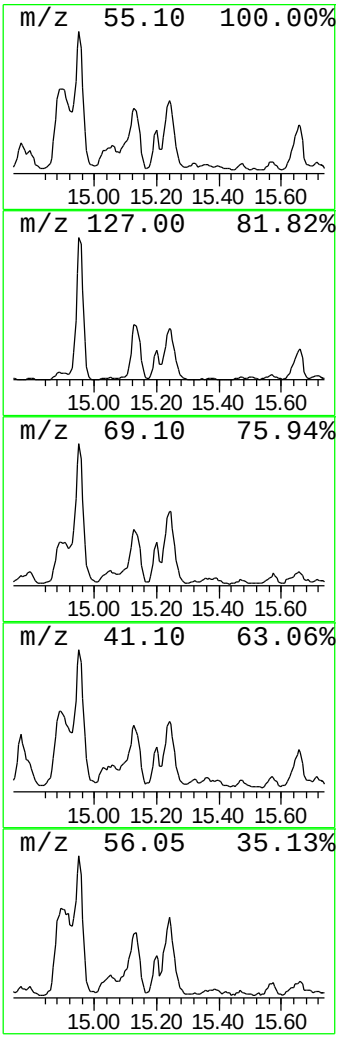
Peak Number 32 (DEL) Alkane: Cyclic15.24 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	34.16 ng/ul	4553130	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	38
2	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	35
3	1-Isopropyl-2-methylpropyl propy...	224	C10H22FO2P	1000298-29-6	35
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	35
5	2,3,4-Trimethyl-isoxazol-5(2H)-one	127	C6H9NO2	007713-68-0	30





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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

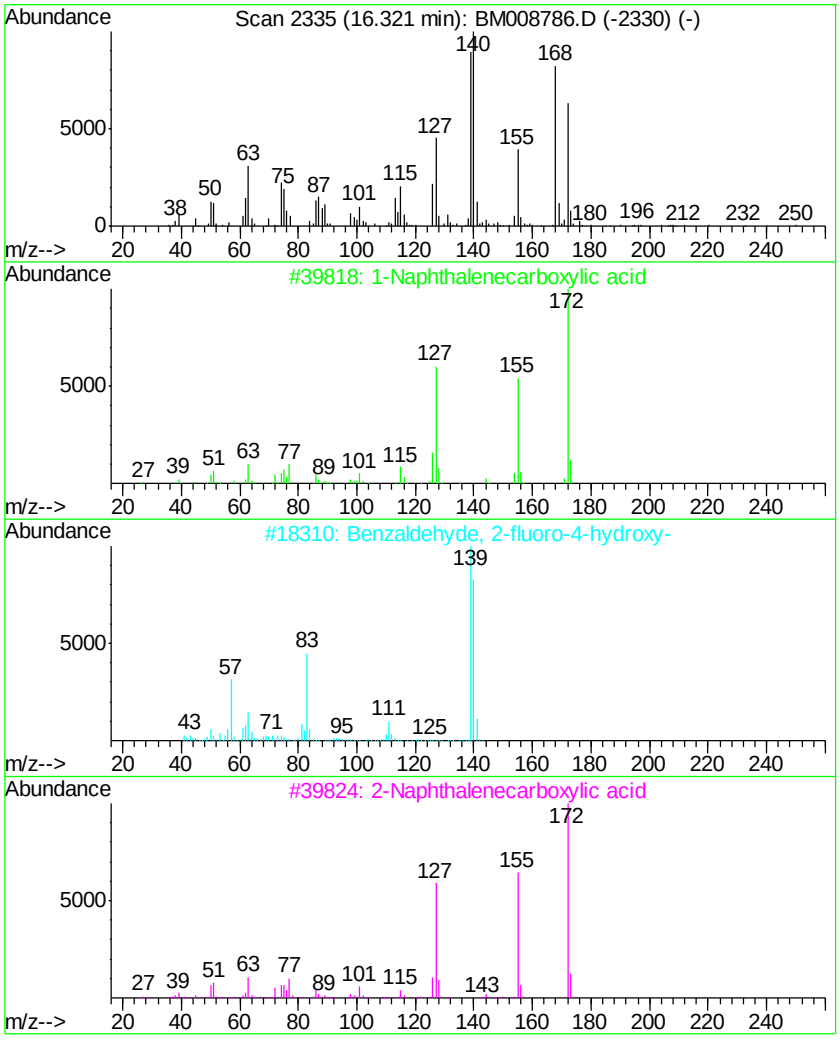
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

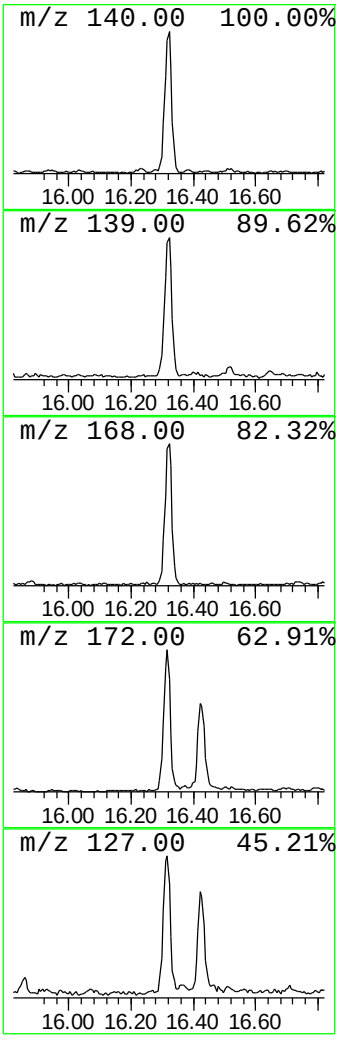
****

Peak Number 33 1-Naphthalenecarboxylic acid Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	13.03 ng/ul	1701290	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	52
2	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	47
3	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	46
4	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43
5	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008786.D
Acq On : 22 Jan 2017 00:24
Operator : UM/SJ
Sample : I1323-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.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
2-Heptanone, 4,6-...	7.37	55.5	ng/ul	2050300	1	7.95	738136	20.0
1-Hexanol, 2-ethyl-	8.01	146.5	ng/ul	5406540	1	7.95	738136	20.0
Benzene, 2-propenyl-	8.33	39.4	ng/ul	1455650	1	7.95	738136	20.0
Cyclohexanone, 3,...	8.39	74.5	ng/ul	2750660	1	7.95	738136	20.0
unknown-01	8.75	22.0	ng/ul	810526	1	7.95	738136	20.0
Hexanoic acid, 2-...	9.31	53.2	ng/ul	1964860	1	7.95	738136	20.0
Benzene, 2-butenyl-	10.15	7.4	ng/ul	822648	2	10.76	2219170	20.0
unknown-02	10.43	6.3	ng/ul	694463	2	10.76	2219170	20.0
Phenol, 3-chloro-	10.62	22.0	ng/ul	2441080	2	10.76	2219170	20.0
unknown-03	10.93	29.4	ng/ul	3259580	2	10.76	2219170	20.0
(DEL) Alkane: Cyc...	11.03	46.0	ng/ul	5101670	2	10.76	2219170	20.0
unknown-04	11.08	15.7	ng/ul	1745690	2	10.76	2219170	20.0
Aziridine, 1-propyl-	11.12	29.6	ng/ul	3289940	2	10.76	2219170	20.0
Ethanedioic acid,...	11.25	6.9	ng/ul	763705	2	10.76	2219170	20.0
(DEL) Alkane: Cyc...	11.63	13.9	ng/ul	1540400	2	10.76	2219170	20.0
unknown-05	11.67	22.7	ng/ul	2519730	2	10.76	2219170	20.0
unknown-06	11.88	6.5	ng/ul	717926	2	10.76	2219170	20.0
unknown-07	12.30	7.3	ng/ul	814288	2	10.76	2219170	20.0
unknown-08	12.73	9.5	ng/ul	1261720	3	14.58	2665730	20.0
(DEL) Alkane: Cyc...	12.97	7.4	ng/ul	985193	3	14.58	2665730	20.0
Benzaldehyde, 4-(...	13.19	22.8	ng/ul	3043240	3	14.58	2665730	20.0
Phenol, 3,4-dichl...	13.29	14.3	ng/ul	1910940	3	14.58	2665730	20.0
unknown-09	13.57	9.1	ng/ul	1216630	3	14.58	2665730	20.0
Pent-1-yn-3-ene, ...	13.76	10.9	ng/ul	1452450	3	14.58	2665730	20.0
Naphthalene, 1,6-...	13.92	10.8	ng/ul	1438840	3	14.58	2665730	20.0
unknown-10	14.38	5.0	ng/ul	661646	3	14.58	2665730	20.0
Naphthalene, 1-is...	14.71	10.3	ng/ul	1378420	3	14.58	2665730	20.0
(DEL) Alkane: Cyc...	14.89	74.2	ng/ul	9884080	3	14.58	2665730	20.0
(DEL) Alkane: Cyc...	15.24	34.2	ng/ul	4553130	3	14.58	2665730	20.0
1-Naphthalenecarb...	16.32	13.0	ng/ul	1701290	4	17.33	2610660	20.0