LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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\SOM-EPA-BG080217.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	5.985	402	408	424	rBV2	46169	134131	4.94%	0.216%
2	7.307	628	633	639	rVV2	92834	171120	6.30%	0.276%
3	7.495	656	665	681	rVB2	333568	886332	32.61%	1.428%
4	7.654	681	692	699	rBV	243523	459298	16.90%	0.740%
5	7.877	724	730	737	rVV	303786	560730	20.63%	0.904%
6	8.289	781	800	804	rBV2	155649	437754	16.11%	0.705%
7	8.341	804	809	822	rVB3	208529	471343	17.34%	0.760%
8	8.494	831	835	841	rVV5	80700	144211	5.31%	0.232%
9	8.829	886	892	895	rBV4	69948	161846	5.95%	0.261%
10	8.894	895	903	911	rVB7	128883	387986	14.28%	0.625%
11	8.970	911	916	922	rBV5	107417	251712	9.26%	0.406%
12	9.041	922	928	945	rVB3	337865	827547	30.45%	1.334%
13	9.182	945	952	965	rBV8	135169	482180	17.74%	0.777%
14	9.434	984	995	1002	rBV4	259161	690972	25.42%	1.114%
15	9.517	1002	1009	1017	rBV	350792	745295	27.42%	1.201%
16	9.681	1025	1037	1044	rBV10	108745	406938	14.97%	0.656%
17	9.793	1049	1056	1064	rVB6	130500	319442	11.75%	0.515%
18	9.887	1064	1072	1077	rBV5	81554	223842	8.24%	0.361%
19	9.957	1078	1084	1090	rVV3	206390	442007	16.26%	0.712%
20	10.022	1090	1095	1099	rVV3	133418	275548	10.14%	0.444%
21	10.069	1099	1103	1113	rVB4	232288	460948	16.96%	0.743%
22	10.233	1117	1131	1139	rBV8	387025	1143406	42.07%	1.843%
23	10.327	1142	1147	1152	rBV3	331185	653920	24.06%	1.054%
24	10.457	1163	1169	1178	rBV7	127296	288596	10.62%	0.465%
25	10.545	1178	1184	1190	rVV4	180613	387381	14.25%	0.624%
26	10.645	1197	1201	1205	rVB3	87799	123224	4.53%	0.199%
27	10.721	1206	1214	1218	rBV8	76556	201652	7.42%	0.325%
28	10.780	1218	1224	1230	rVB	380471	672437	24.74%	1.084%
29	10.850	1230	1236	1242	rVB4	162330	316764	11.65%	0.510%
30	10.921	1242	1248	1253	rBV9	74650	178905	6.58%	0.288%
31	11.032	1263	1267	1273	rVV6	107649	248000	9.12%	0.400%
32	11.115	1273	1281	1285	rVV8	155644	511142	18.81%	0.824%
33	11.162	1285	1289	1303	rVV4	426238	1199147	44.12%	1.933%
34	11.279	1303	1309	1316	rVV2	841068	1505398	55.39%	2.426%

LSC Area Percent Report

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Operator : SJ/JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	11.350	1316	1321	1328	rVV4	223232	504553	18.56%	0.813%
36	11.502	1341	1347	1352	rBV6	97063	226757	8.34%	0.365%
37	11.573	1353	1359	1362	rVV6	77093	147279	5.42%	0.237%
38	11.638	1363	1370	1374	rVB5	196413	372135	13.69%	0.600%
39	11.702	1375	1381	1387	rVV6	76498	176273	6.49%	0.284%
40	11.779	1389	1394	1396	rBV2	104805	168869	6.21%	0.272%
41	11.843	1397	1405	1416	rVB7	334815	1035673	38.11%	1.669%
42	11.955	1420	1424	1430	rBV4	145451	296789	10.92%	0.478%
43	12.055	1434	1441	1447	rVB7	144549	368892	13.57%	0.594%
44	12.137	1448	1455	1459	rVV	1055741	1727045	63.54%	2.783%
45	12.184	1459	1463	1467	rVV4	267552	520317	19.14%	0.839%
46	12.231	1467	1471	1478	rVB6	271466	588800	21.66%	0.949%
47	12.331	1483	1488	1493	rBV5	167460	294821	10.85%	0.475%
48	12.407	1494	1501	1513	rVV7	210510	621263	22.86%	1.001%
49	12.519	1515	1520	1528	rVB5	145952	255934	9.42%	0.412%
50	12.625	1529	1538	1540	rVV8	139314	367803	13.53%	0.593%
51	12.654	1540	1543	1550	rVV5	209000	483985	17.81%	0.780%
52	12.736	1550	1557	1563	rVB2	372803	821369	30.22%	1.324%
53	12.795	1563	1567	1574	rBV	247432	394755	14.52%	0.636%
54	12.866	1575	1579	1585	rVB4	184541	314139	11.56%	0.506%
55	12.936	1586	1591	1597	rBV8	140545	385166	14.17%	0.621%
56	12.995	1598	1601	1622	rVB7	154226	658683	24.24%	1.062%
57	13.148	1622	1627	1630	rBV3	242653	448790	16.51%	0.723%
58	13.212	1635	1638	1648	rVB4	184369	394338	14.51%	0.636%
59	13.312	1651	1655	1664	rBV8	64720	167780	6.17%	0.270%
60	13.400	1665	1670	1674	rVV6	259444	427552	15.73%	0.689%
61	13.459	1674	1680	1693	rVB	1134588	1820284	66.97%	2.934%
62	13.735	1719	1727	1735	rBV5	526293	1456136	53.58%	2.347%
63	13.829	1739	1743	1749	rBV5	161227	334221	12.30%	0.539%
64	13.982	1765	1769	1776	rVB7	148694	253745	9.34%	0.409%
65	14.129	1790	1794	1801	rVB5	211038	360431	13.26%	0.581%
66	14.270	1813	1818	1822	rBV4	279916	466797	17.18%	0.752%
67	14.340	1824	1830	1833	rBV2	575524	1145171	42.13%	1.846%
68	14.393	1833	1839	1844	rVB3	1314404	2717880	100.00%	4.380%
69	14.593	1868	1873	1877	rVB5	159628	329896	12.14%	0.532%
70	14.652	1877	1883	1886	rBV	704860	1175076	43.24%	1.894%
71	14.687	1887	1889	1893	rVB2	372439	506588	18.64%	0.816%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : B0B16

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

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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	14.734	1894	1897	1900	rVV4	136062	202462	7.45%	0.326%
73	14.775	1900	1904	1908	rVB	390856	542599	19.96%	0.874%
74	14.910	1920	1927	1931	rBV8	193695	513513	18.89%	0.828%
75	14.957	1931	1935	1941	rVB	472010	816260	30.03%	1.315%
76	15.016	1941	1945	1954	rBV6	231876	627242	23.08%	1.011%
77	15.157	1963	1969	1977	rBV6	340970	756620	27.84%	1.219%
78	15.310	1991	1995	1998	rBV2	157169	235419	8.66%	0.379%
79	15.421	2011	2014	2022	rBV2	225518	410865	15.12%	0.662%
80	15.557	2033	2037	2041	rBV5	153805	302386	11.13%	0.487%
81	15.656	2051	2054	2060	rVB3	213397	350925	12.91%	0.566%
82	15.733	2061	2067	2075	rBV6	399764	1060017	39.00%	1.708%
83	15.821	2077	2082	2095	rBV7	204610	603396	22.20%	0.972%
84	15.944	2098	2103	2109	rBV	947135	1469378	54.06%	2.368%
85	16.068	2120	2124	2131	rVB4	245855	467938	17.22%	0.754%
86	16.162	2131	2140	2145	rBV	649348	1209235	44.49%	1.949%
87	16.644	2213	2222	2228	rBV	1136536	2174639	80.01%	3.505%
88	17.413	2349	2353	2357	rBV	186694	249402	9.18%	0.402%
89	17.466	2357	2362	2366	rVV	441982	640581	23.57%	1.032%
90	17.707	2397	2403	2408	rBV2	541563	926553	34.09%	1.493%
91	17.807	2414	2420	2427	rVB	1057282	1669662	61.43%	2.691%
92	18.154	2476	2479	2490	rVB	210079	333465	12.27%	0.537%
93	18.553	2544	2547	2556	rBV4	224287	482681	17.76%	0.778%
94	18.835	2592	2595	2599	rVB	145145	184735	6.80%	0.298%
95	19.810	2758	2761	2769	rVB3	145452	203610	7.49%	0.328%
96	20.081	2801	2807	2817	rBV	1331825	2140354	78.75%	3.449%
97	21.602	3062	3066	3077	rVB6	142213	287498	10.58%	0.463%
98	22.037	3134	3140	3154	rVB	608571	1220368	44.90%	1.967%
99	25.322	3690	3699	3720	rVB3	518601	1936535	71.25%	3.121%
100	25.562	3733	3740	3755	rVB	282853	925918	34.07%	1.492%

Sum of corrected areas: 62051395

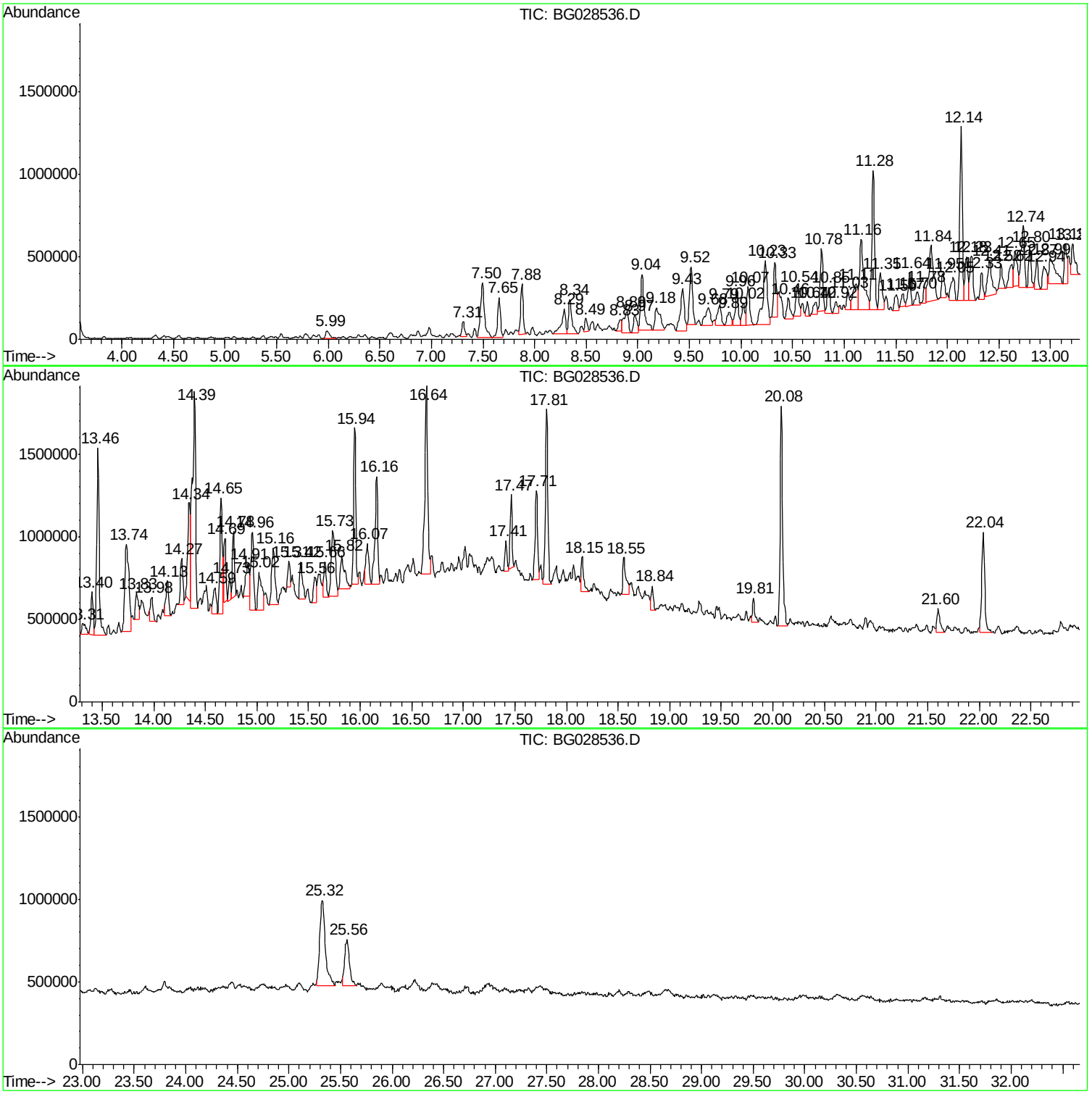
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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\BG082817\
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

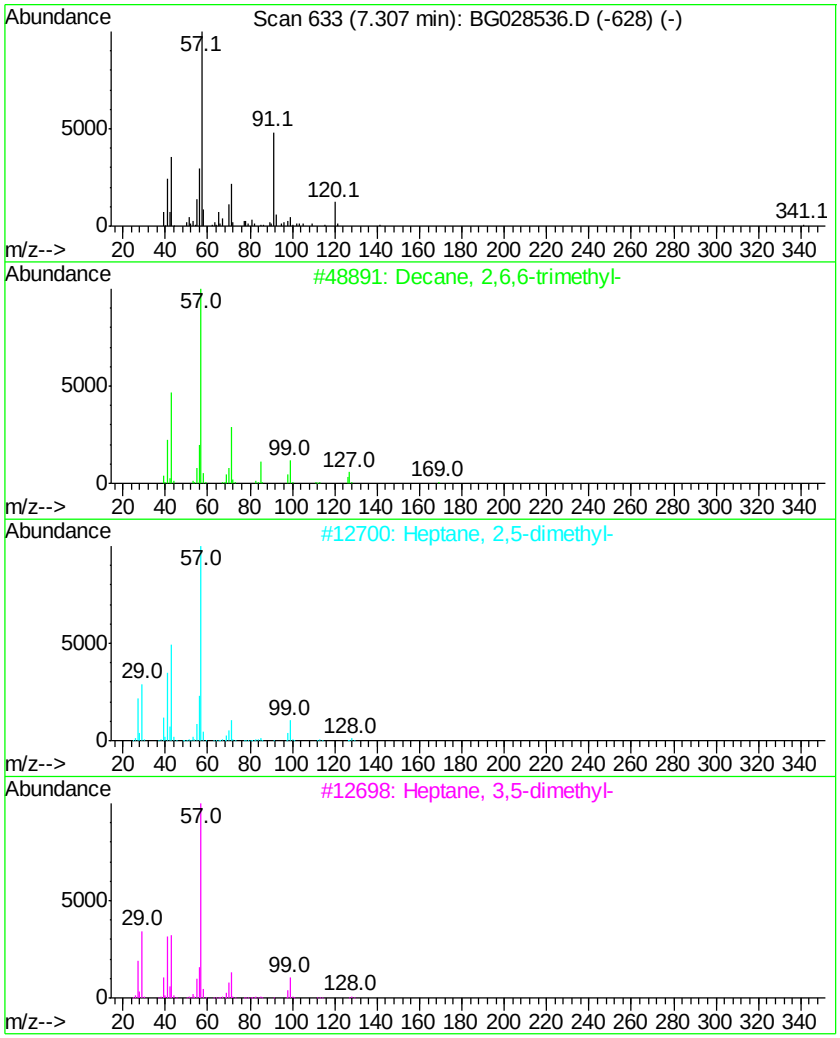
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

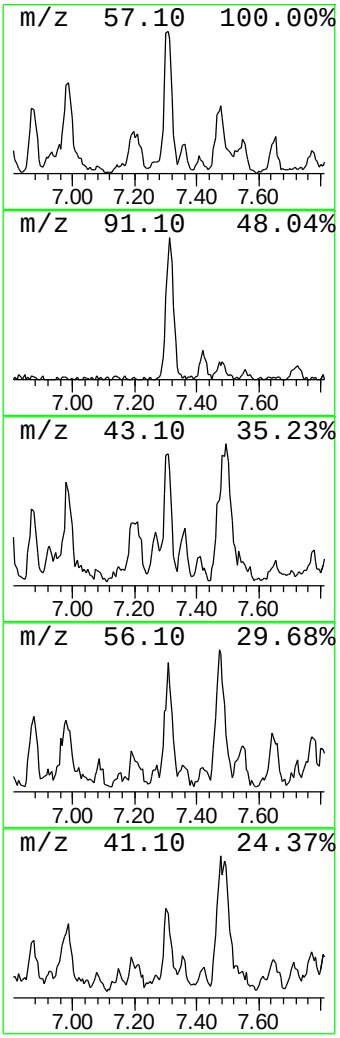
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	7.26 ng/ul	171120	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	38
4	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	38
5	Azetidine, 2-methyl-	71	C4H9N	019812-49-8	38





Library Search Compound Report

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Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

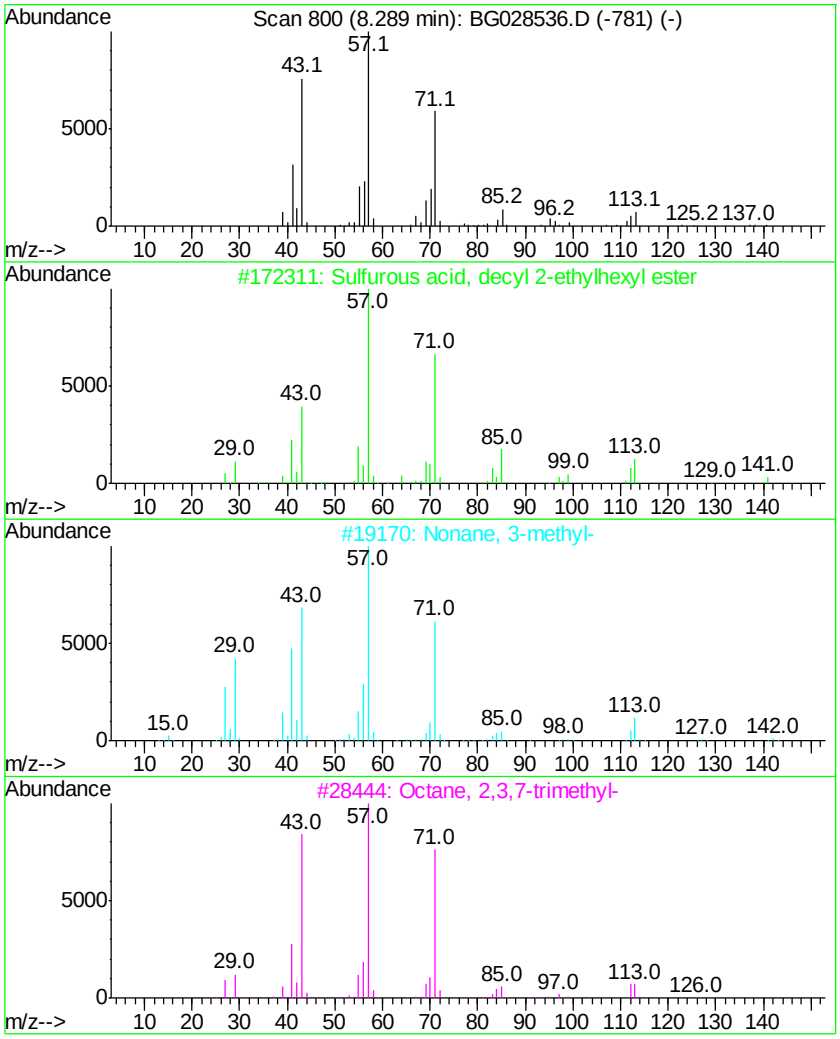
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

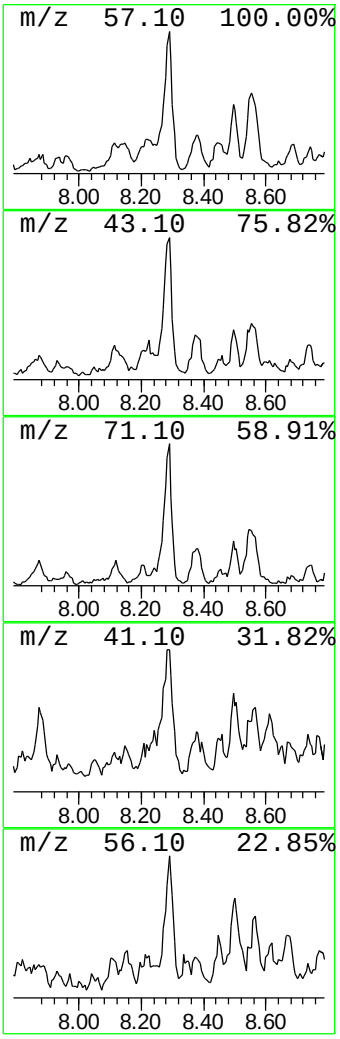
****

Peak Number 3 Sulfurous acid, decyl 2-eth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	18.57 ng/ul	437754	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
3	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53





Library Search Compound Report

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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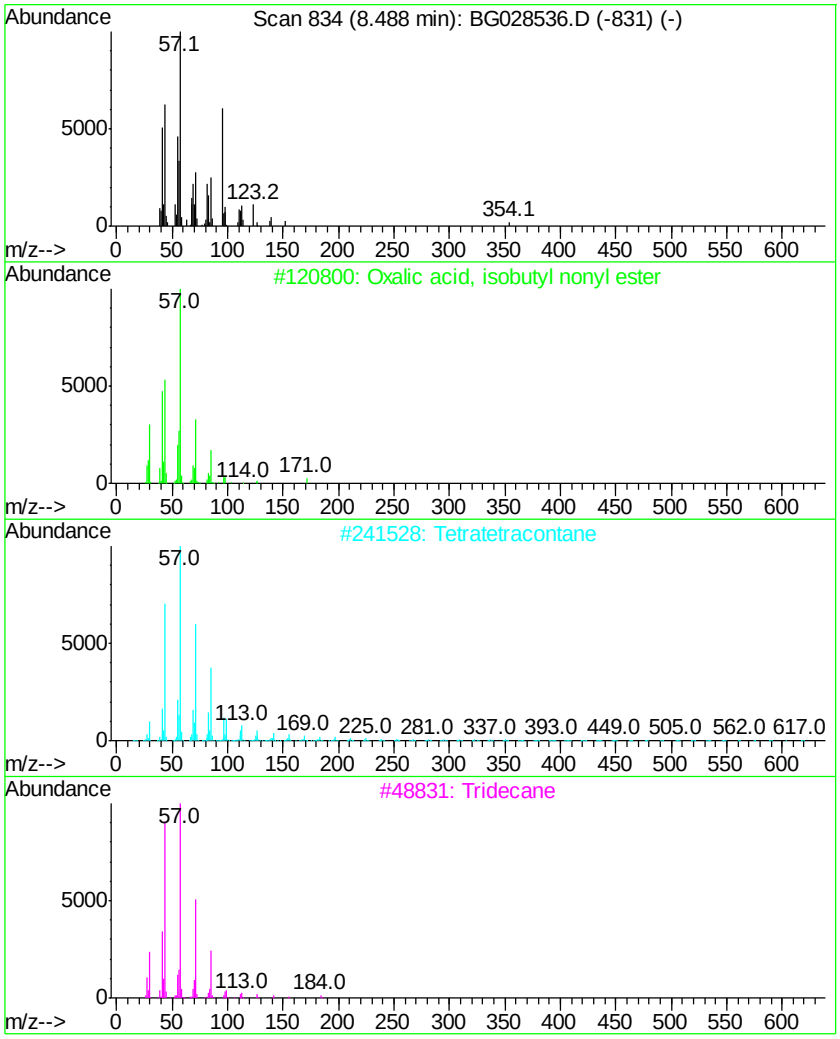
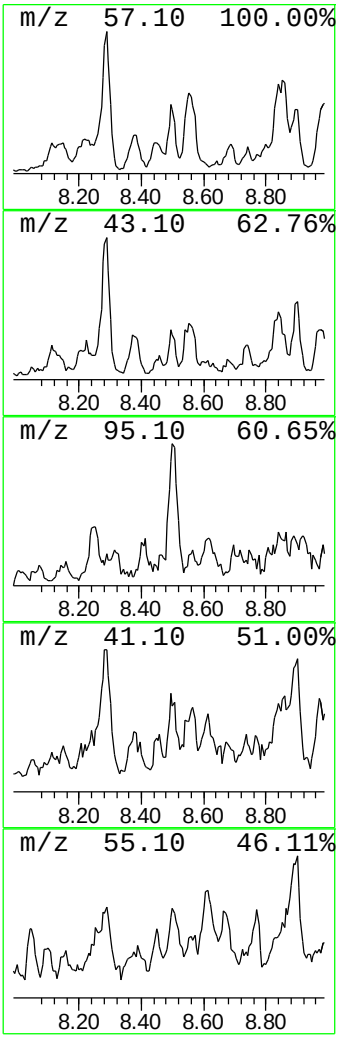
****

Peak Number 4 unknown-01 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	6.12 ng/ul	144211	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	46
2	Tetratetracontane	619	C44H90	007098-22-8	38
3	Tridecane	184	C13H28	000629-50-5	35
4	Decane, 2-methyl-	156	C11H24	006975-98-0	35
5	Decane, 2-methyl-	156	C11H24	006975-98-0	35





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Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

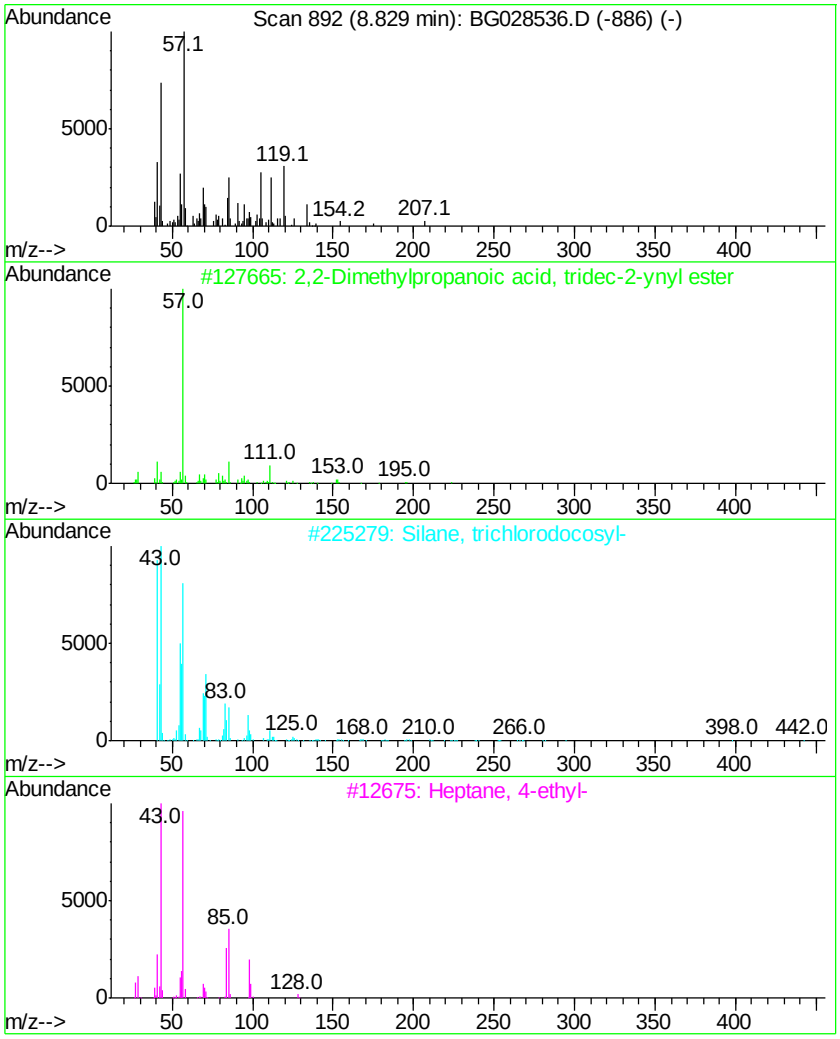
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

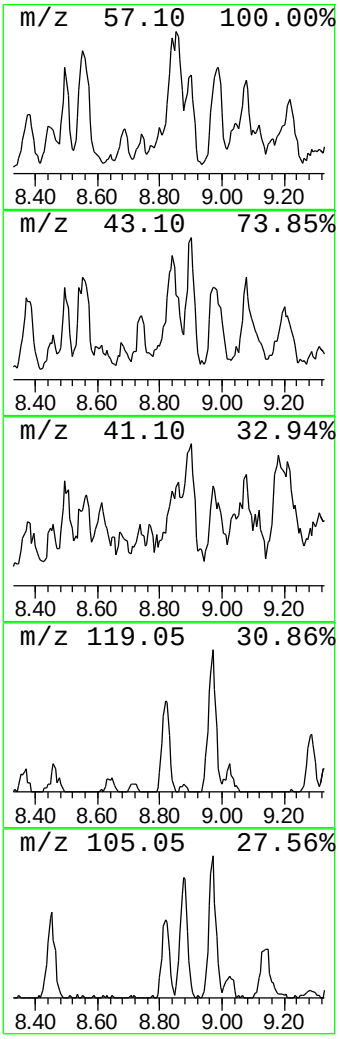
****

Peak Number 5 unknown-02 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	6.87 ng/ul	161846	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylpropanoic acid, trid...	280	C18H32O2	1000299-33-8	27
2	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	25
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	22
4	Tridecane	184	C13H28	000629-50-5	14
5	Ether, heptyl hexyl	200	C13H28O	007289-40-9	14





Library Search Compound Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

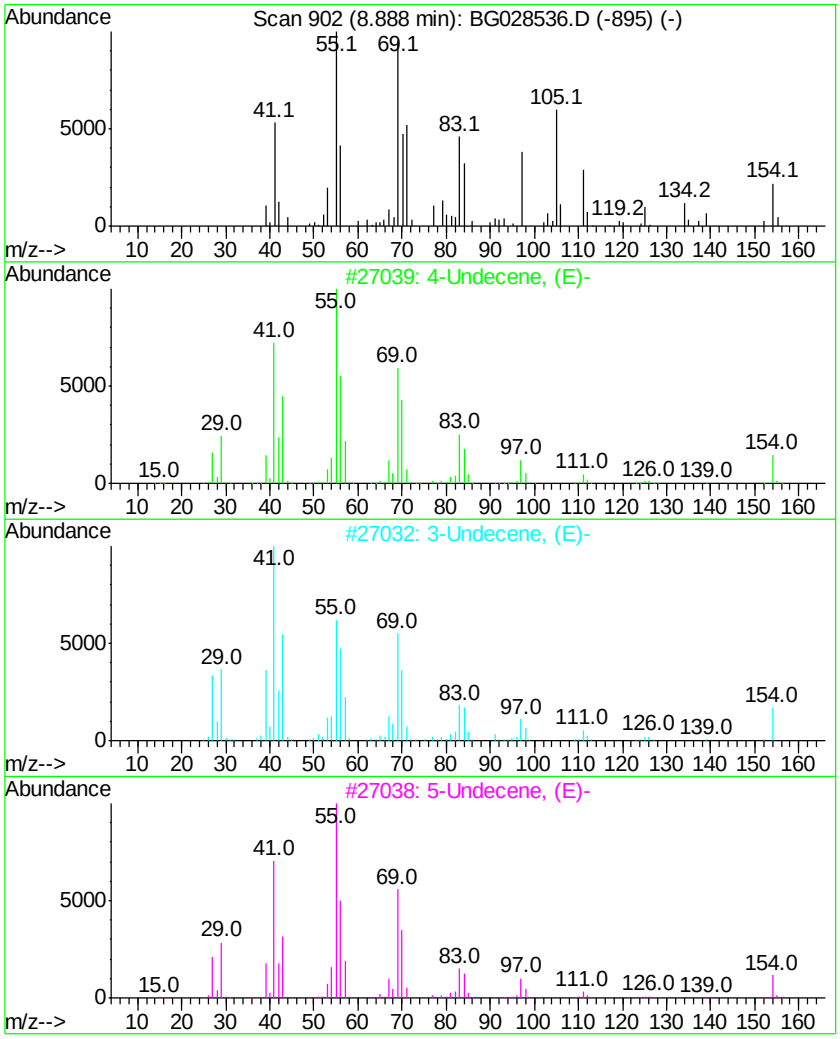
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

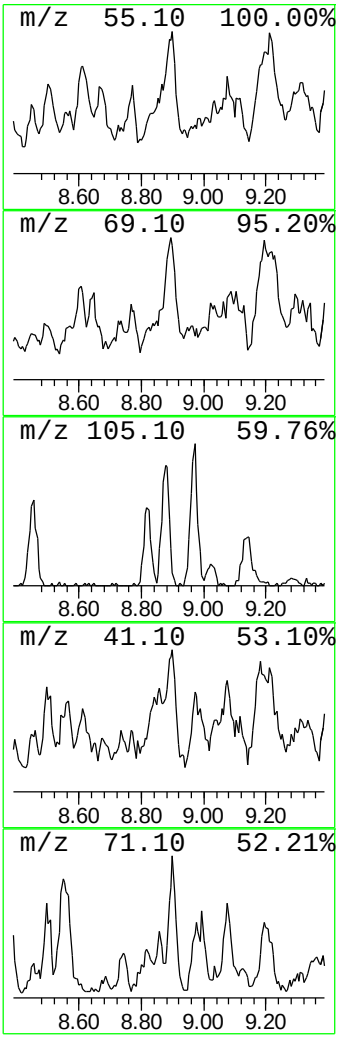
****

Peak Number 6 (DEL) Alkane: Cyclic8.89 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	16.46 ng/ul	387986	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Undecene, (E)-	154	C11H22	000693-62-9	81
2	3-Undecene, (E)-	154	C11H22	001002-68-2	64
3	5-Undecene, (E)-	154	C11H22	000764-97-6	64
4	Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
5	4-Undecene, (E)-	154	C11H22	000693-62-9	53





Library Search Compound Report

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Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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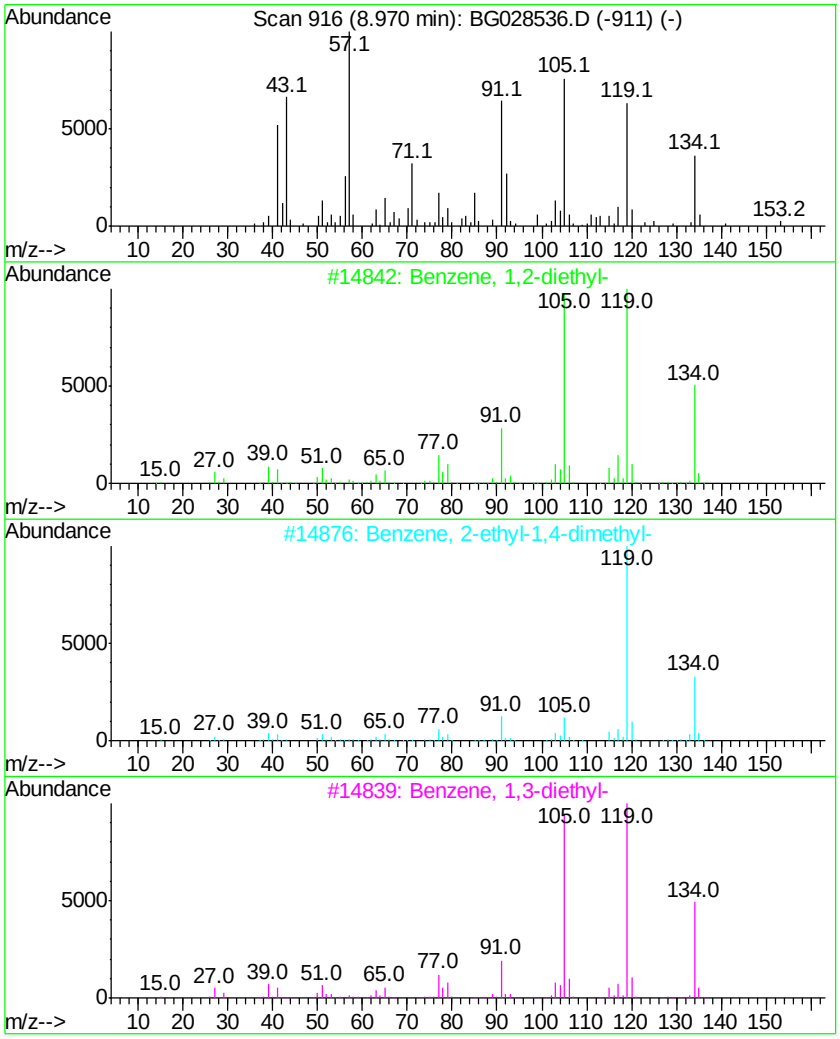
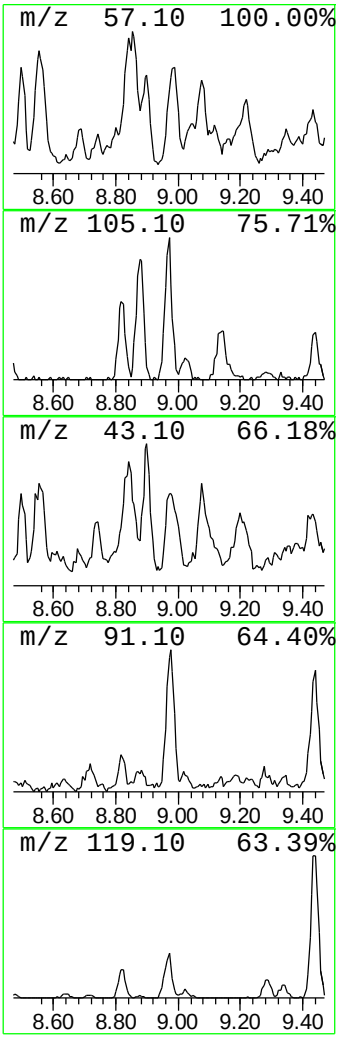
Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	10.68 ng/ul	251712	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	86
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	46





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Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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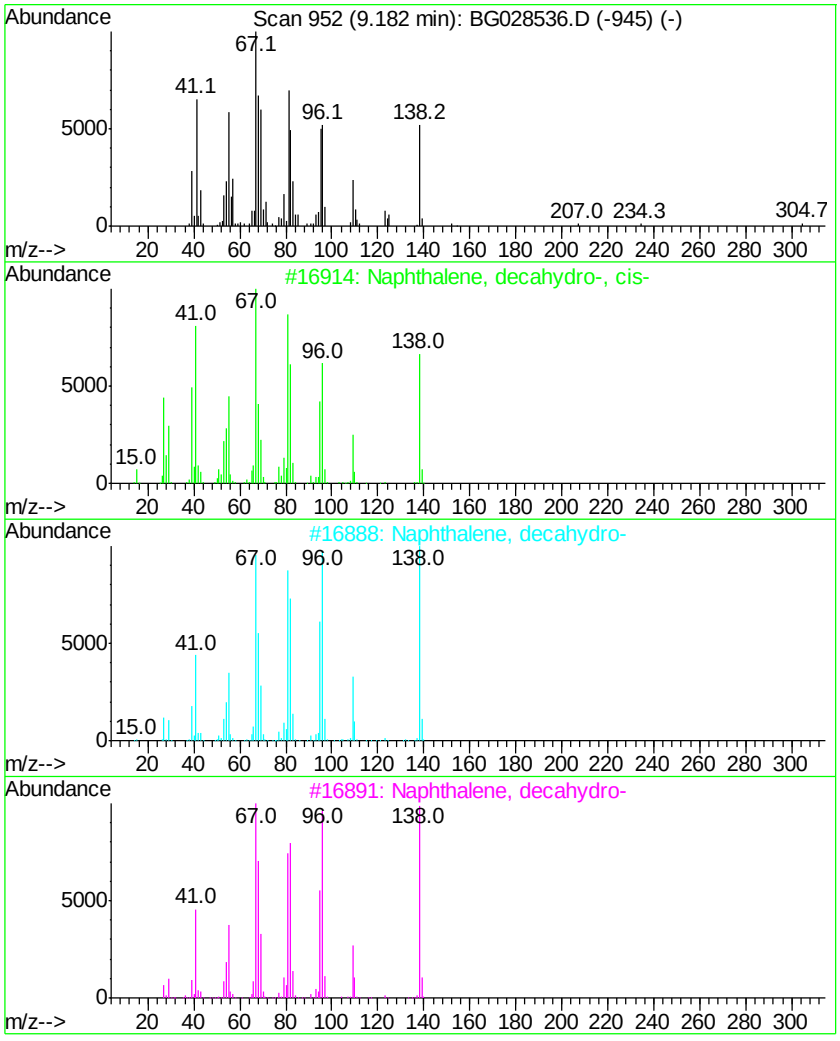
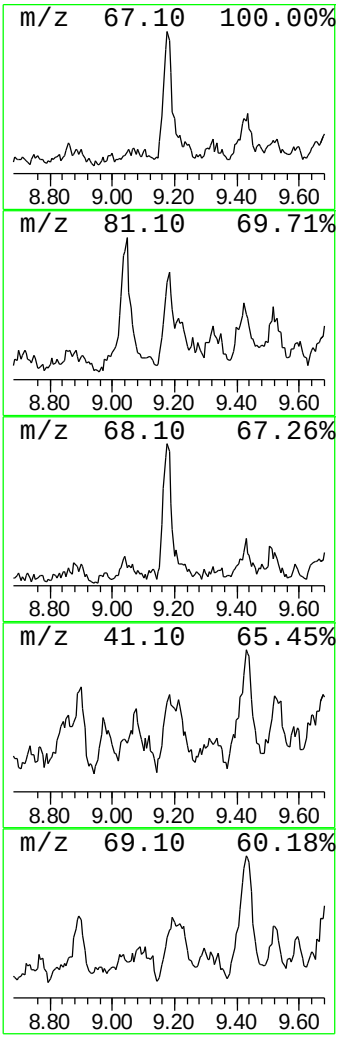
Peak Number 8 Naphthalene, decahydro-, cis- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	20.46 ng/ul	482180	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	83
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	74
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	72
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	68





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Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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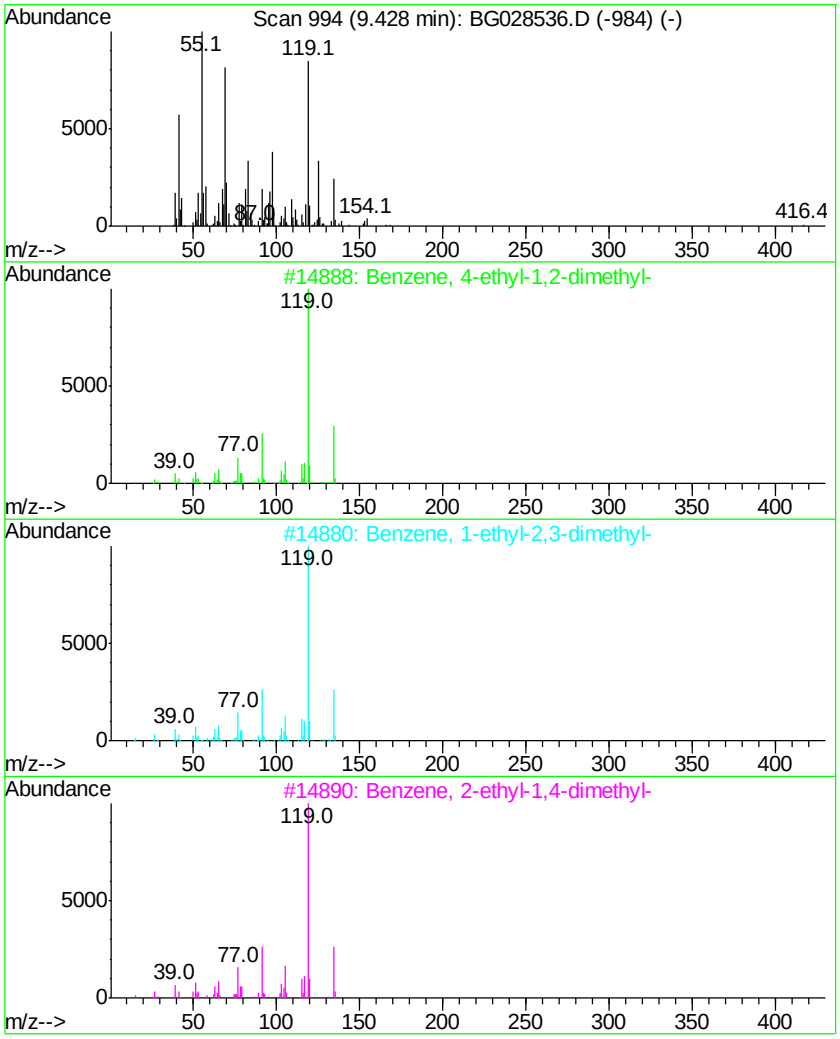
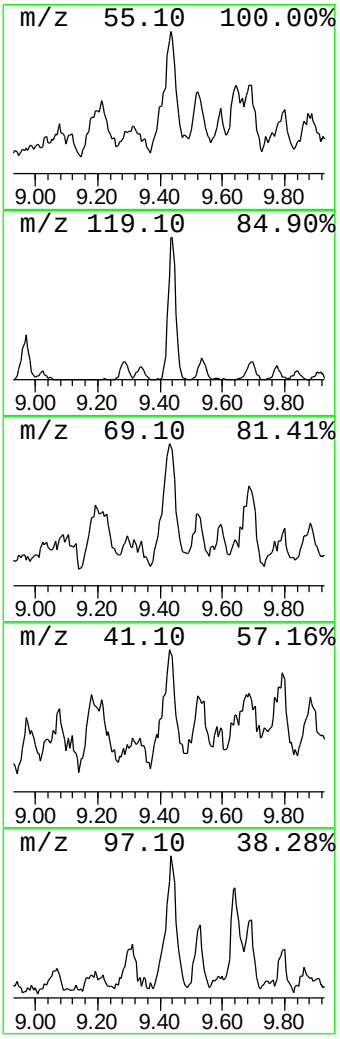
Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	29.32 ng/ul	690972	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	86
5	p-Cymene	134	C10H14	000099-87-6	50





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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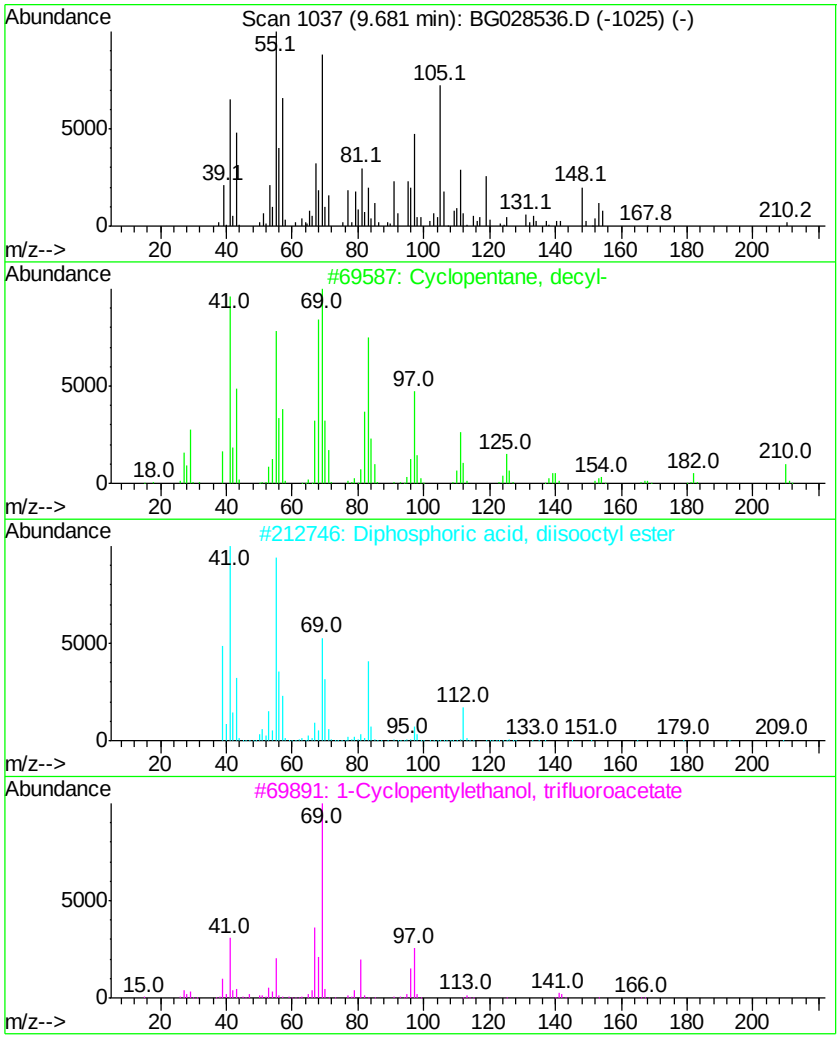
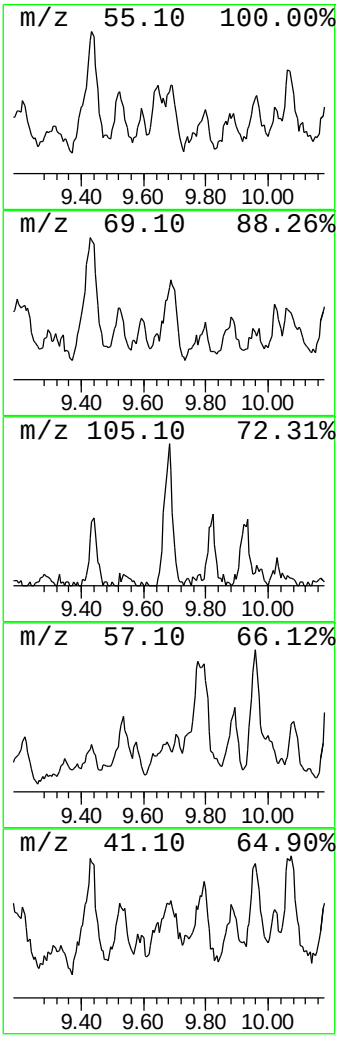
Peak Number 11 (DEL) Alkane: Cyclic9.68 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	17.27 ng/ul	406938	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, decyl-	210	C15H30	001795-21-7	50
2	Diphosphoric acid, diisooctyl ester	402	C16H36O7P2	072101-07-6	35
3	1-Cyclopentylethanol, trifluoroa...	210	C9H13F3O2	1000364-11-9	27
4	9-Oxabicyclo[6.1.0]nonane, 1-met...	140	C9H16O	052954-47-9	27
5	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	27





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Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

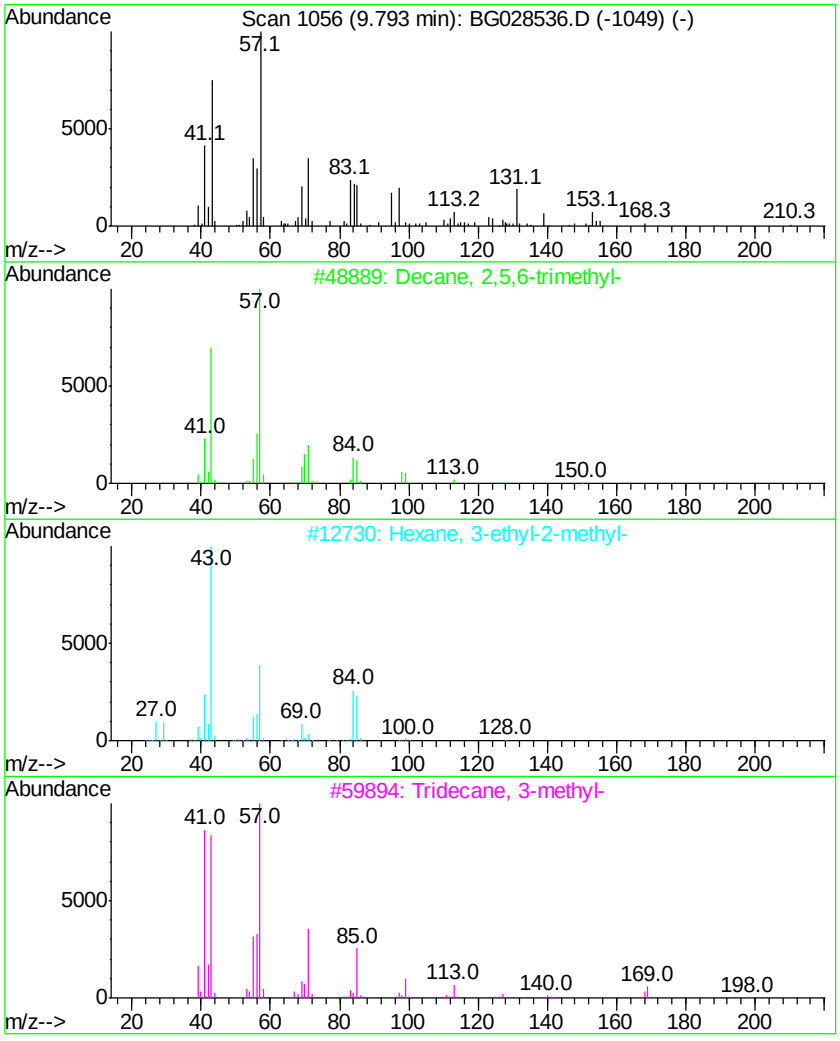
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

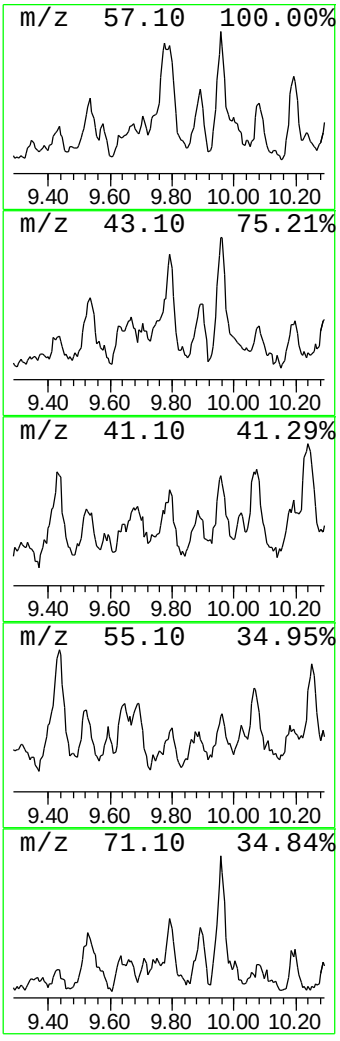
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	5.33 ng/ul	319442	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
2	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	43
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	38
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	38
5	Decane, 3-methyl-	156	C11H24	013151-34-3	38





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Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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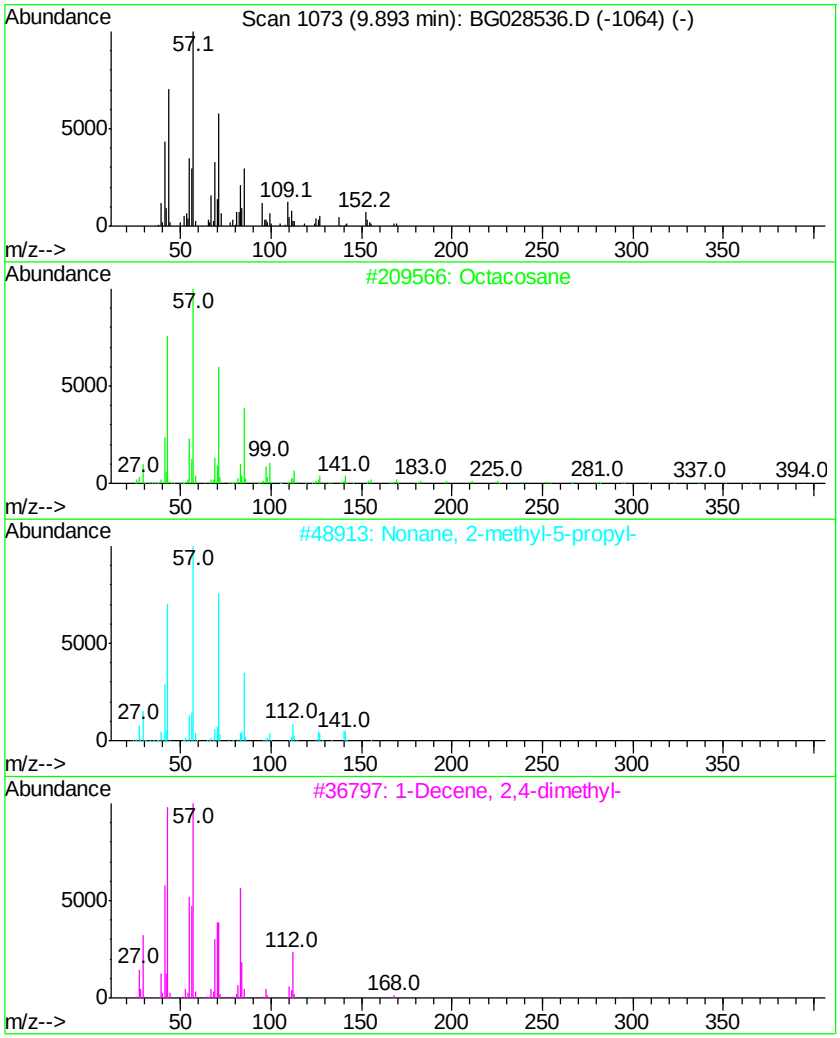
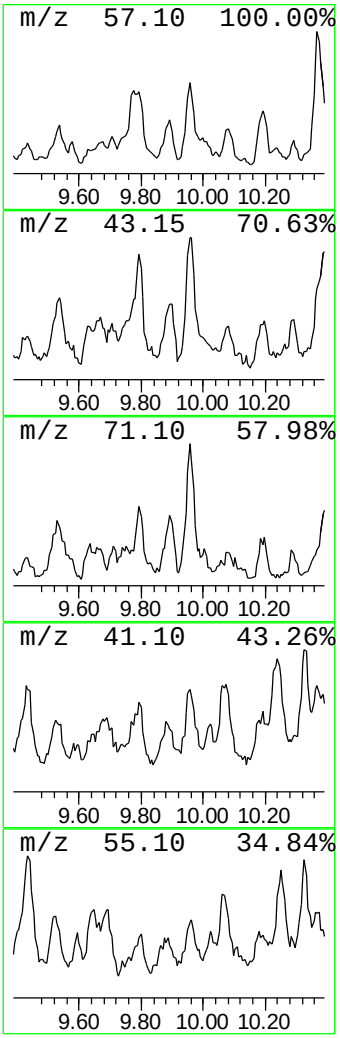
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	3.73 ng/ul	223842	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	35
2	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	35
3	1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	30
4	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	27
5	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	27





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Misc :
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Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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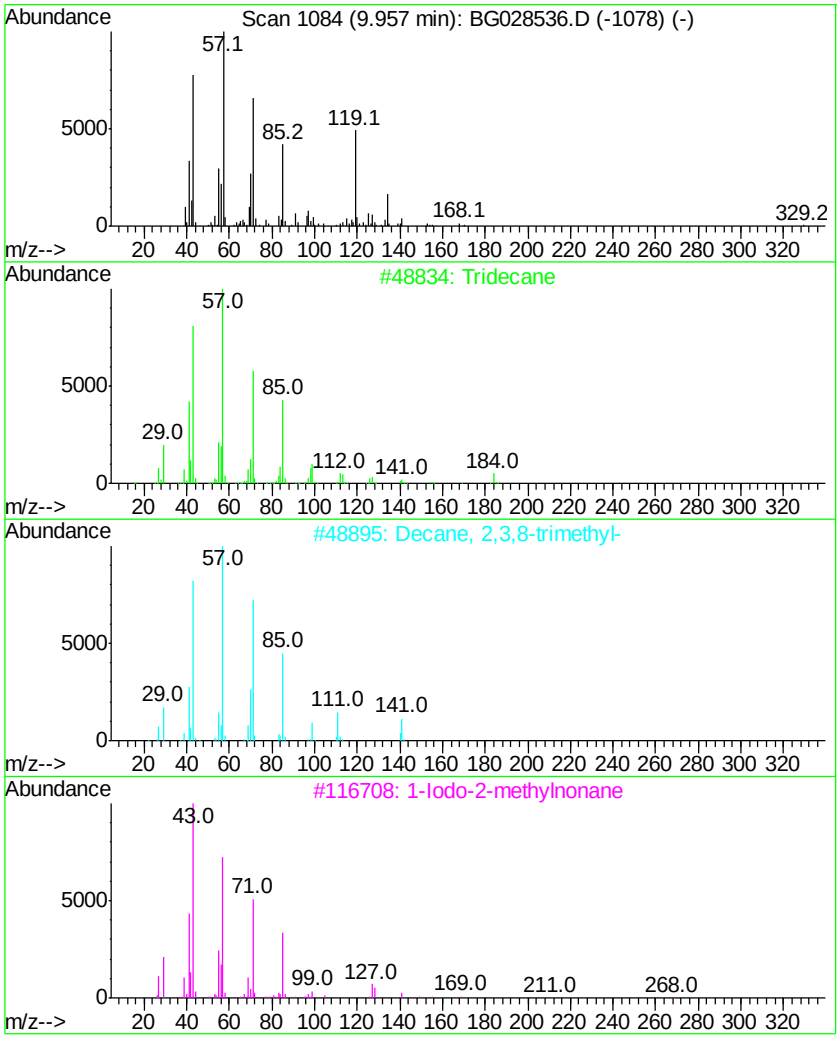
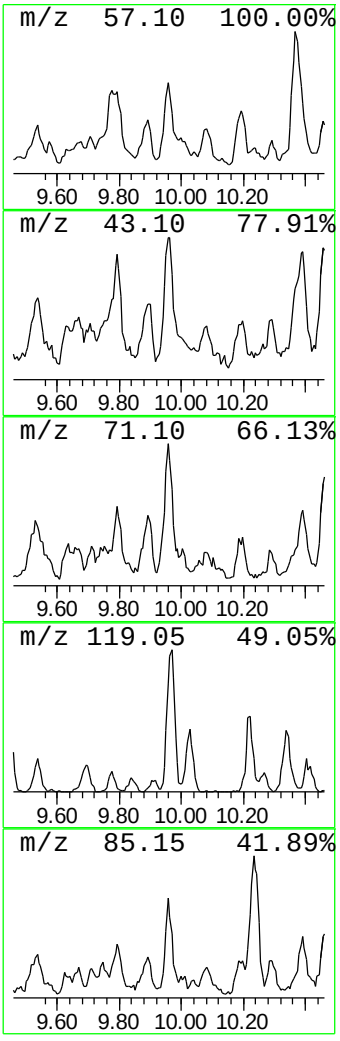
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	7.37 ng/ul	442007	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	50
2	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	47
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	47
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	46
5	Decane, 3-bromo-	220	C10H21Br	030571-71-2	43





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Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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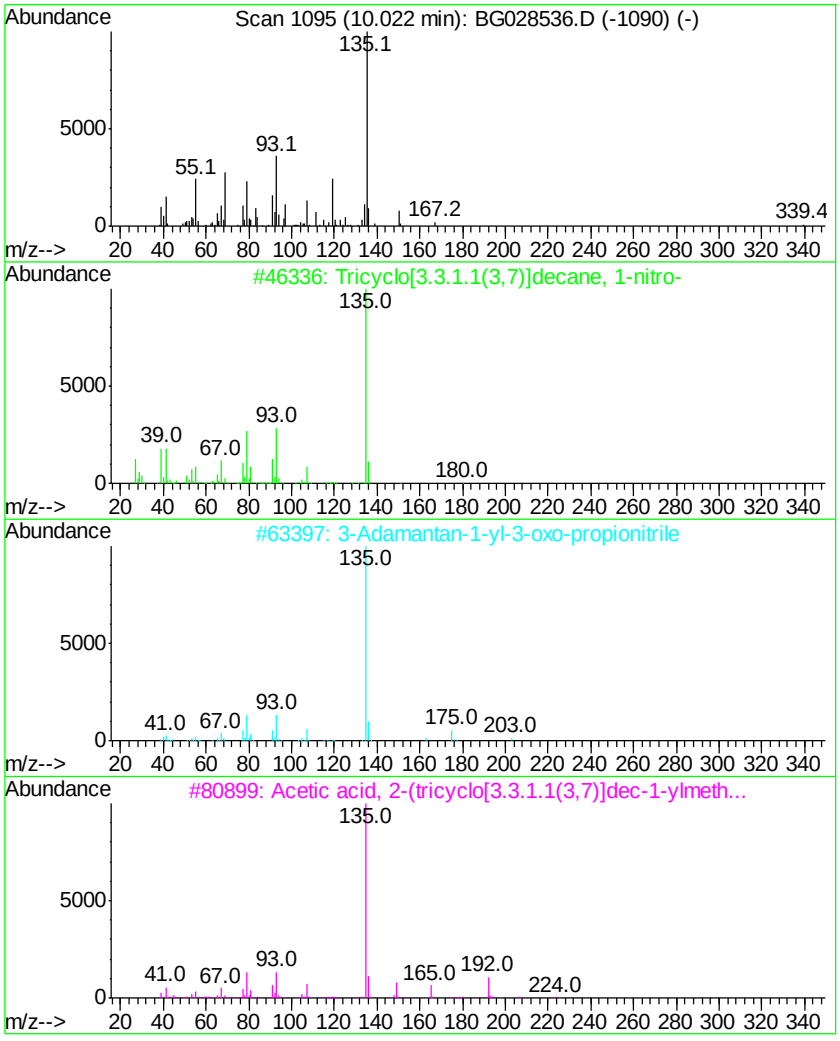
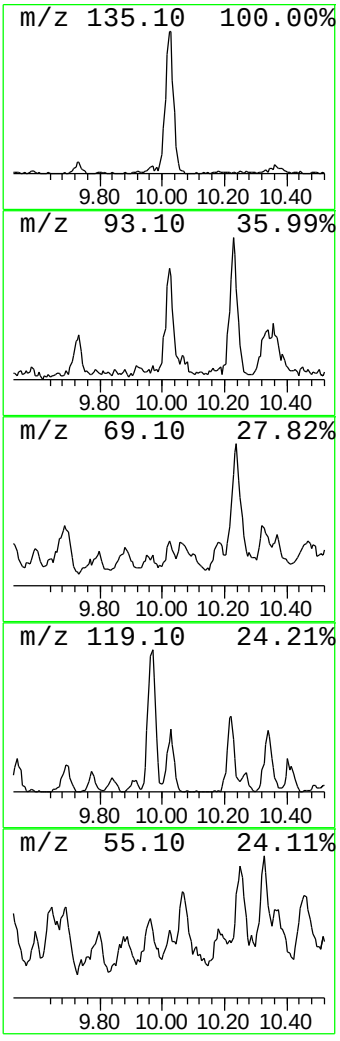
Peak Number 15 Tricyclo[3.3.1.1(3,7)]decan... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	4.60 ng/ul	275548	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)]decane, 1-...	181	C10H15NO2	007575-82-8	53
2	3-Adamantan-1-yl-3-oxo-propionit...	203	C13H17NO	1000296-74-6	53
3	Acetic acid, 2-(tricyclo[3.3.1.1...	224	C13H20O3	1000337-87-6	53
4	2-(2-Adamantan-1-yl-2-oxo-ethyl)...	362	C21H22N4O2	1000277-75-6	53
5	1-Bromoadamantane	214	C10H15Br	000768-90-1	52





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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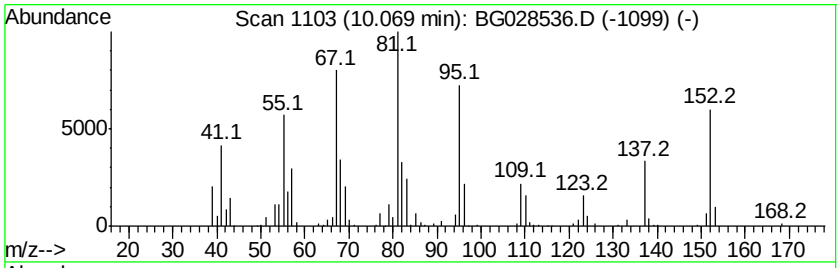
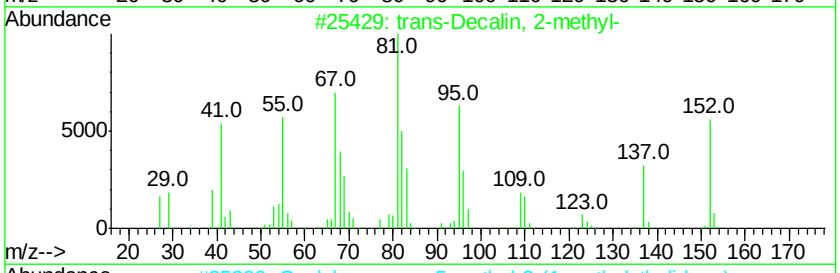
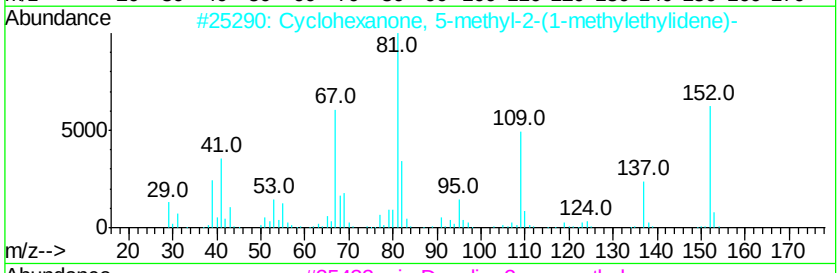
Peak Number 16 trans-Decalin, 2-methyl- Concentration Rank 37

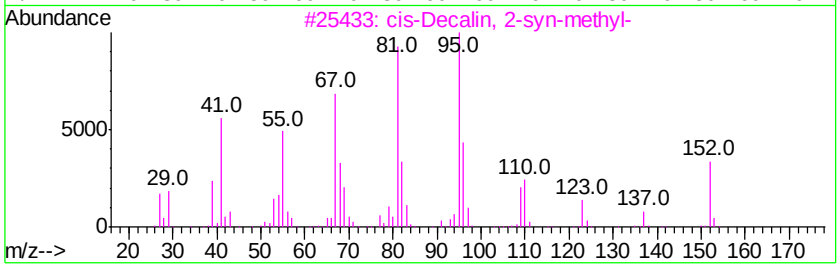
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	7.69 ng/ul	460948	Naphthalene-d8	11.16

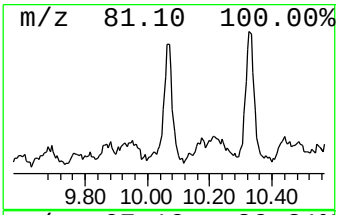
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	76
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
4	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	64
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62

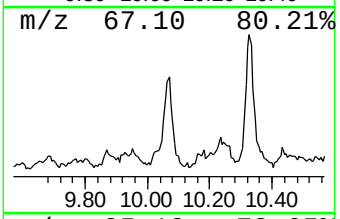


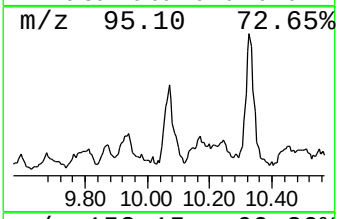


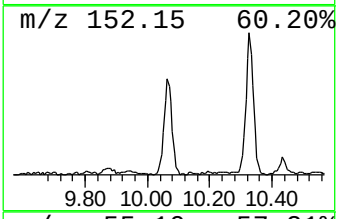


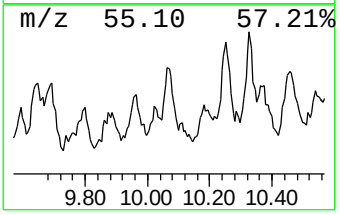












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Quant Title : SVOA CALIBRATION

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

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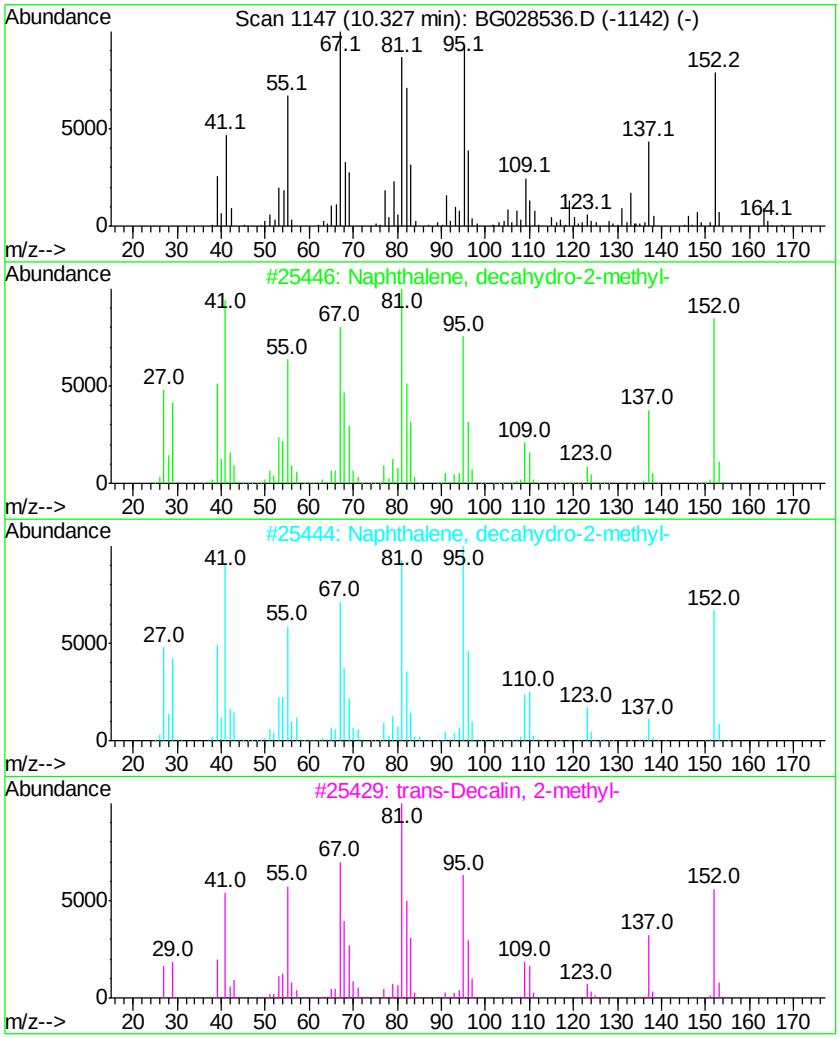
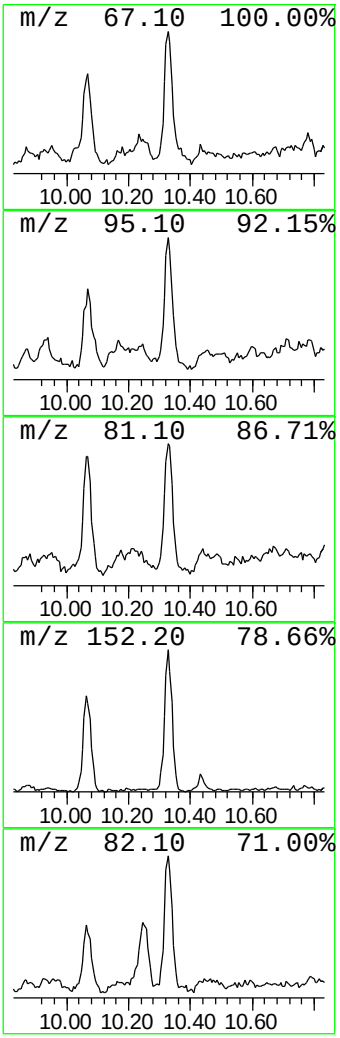
Peak Number 17 Naphthalene, decahydro-2-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	10.91 ng/ul	653920	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	74
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	64





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Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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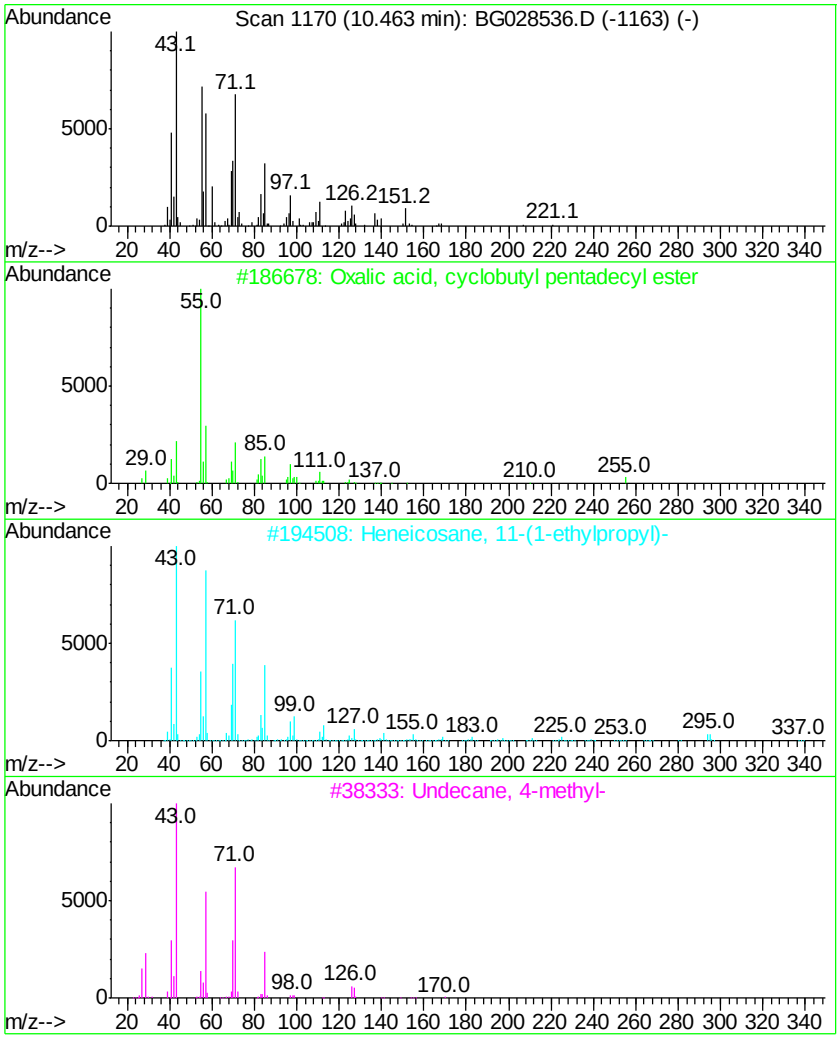
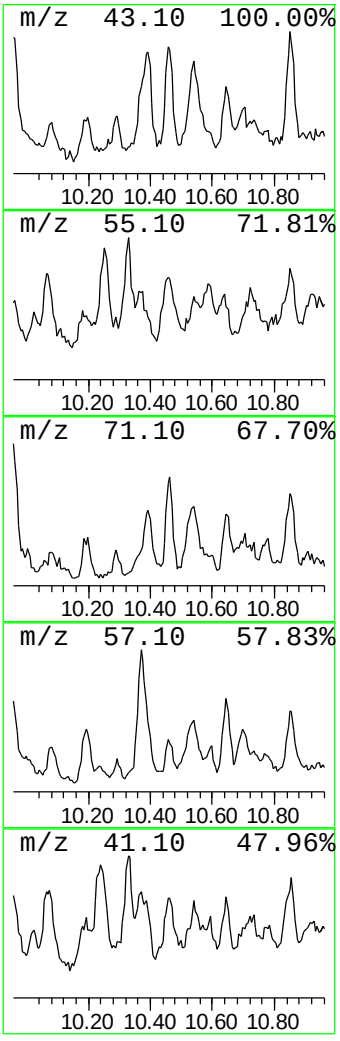
Peak Number 18 Oxalic acid, cyclobutyl pen... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	4.81 ng/ul	288596	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	50
2	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	38
3	Undecane, 4-methyl-	170	C12H26	002980-69-0	38
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	35
5	Tetradecane	198	C14H30	000629-59-4	27





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Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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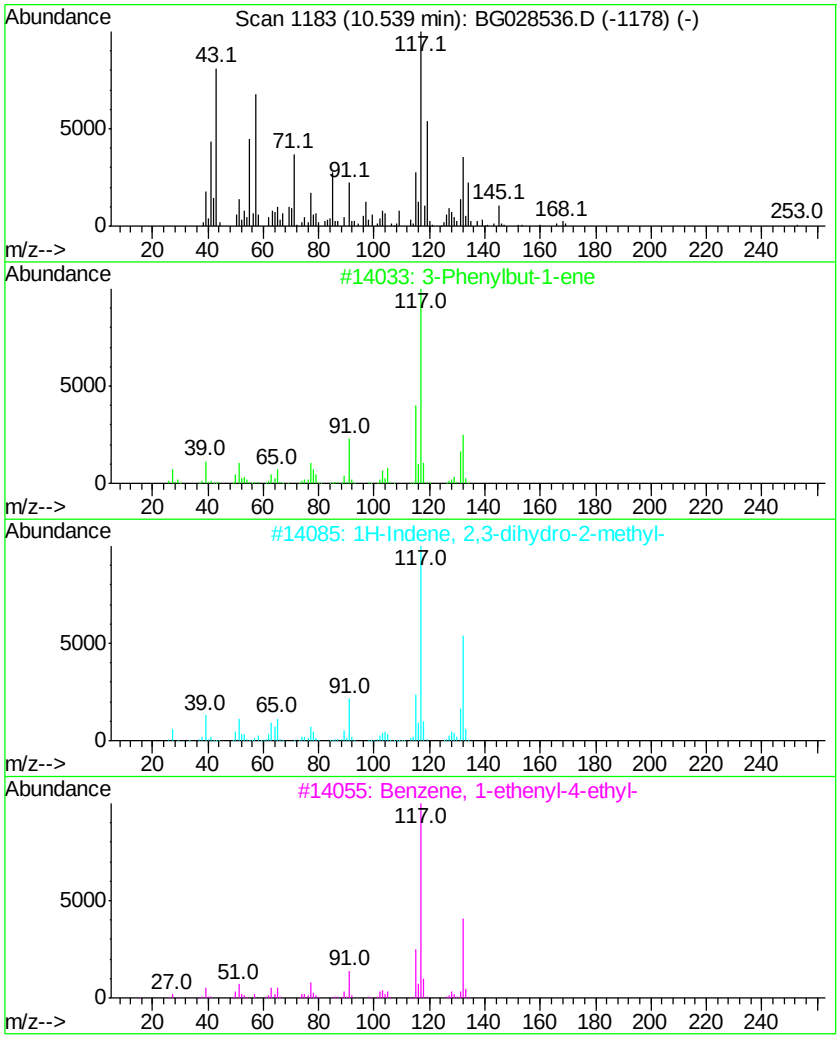
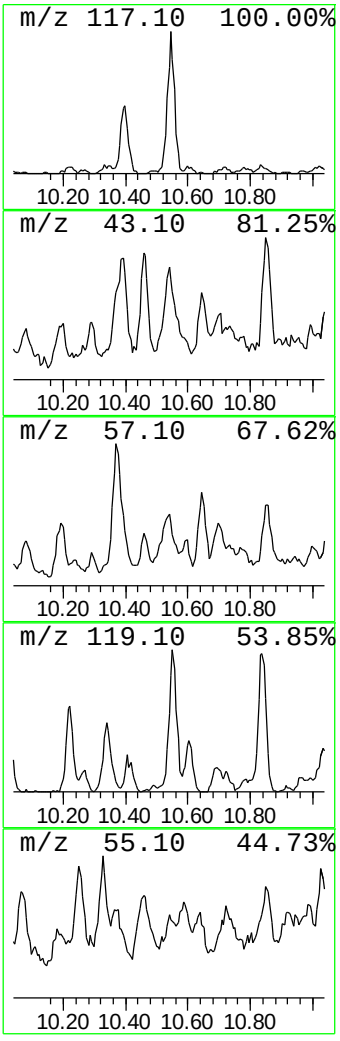
Peak Number 19 3-Phenylbut-1-ene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	6.46 ng/ul	387381	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	58
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	58





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Instrument : BNA_G
ClientSampleId : B0B16

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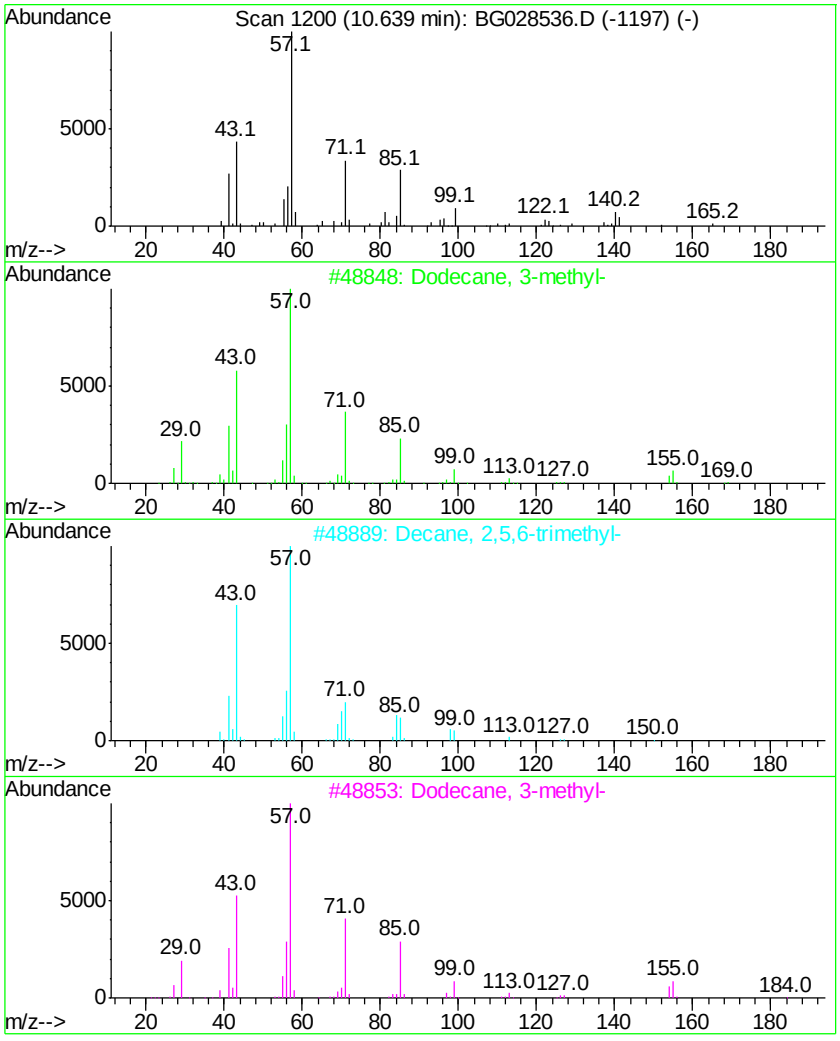
Quant Title : SVOA CALIBRATION

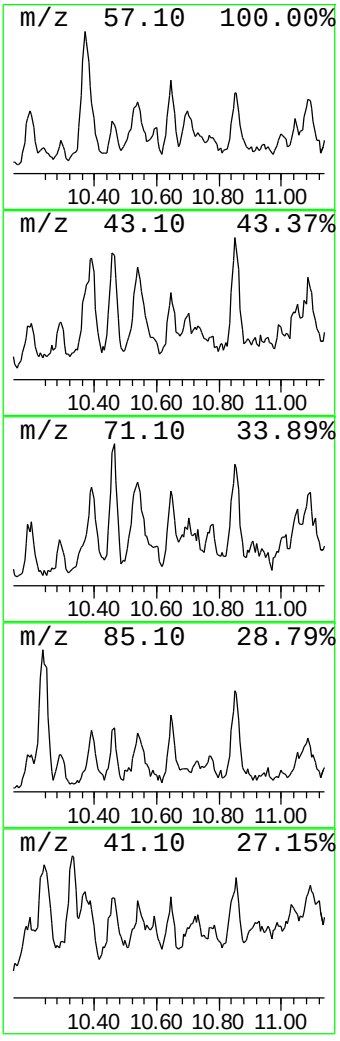
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	2.06 ng/ul	123224	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	47
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	45
4	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	45
5	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	40





Library Search Compound Report

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Operator : SJ/JU
Sample : I4905-16
Misc :
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Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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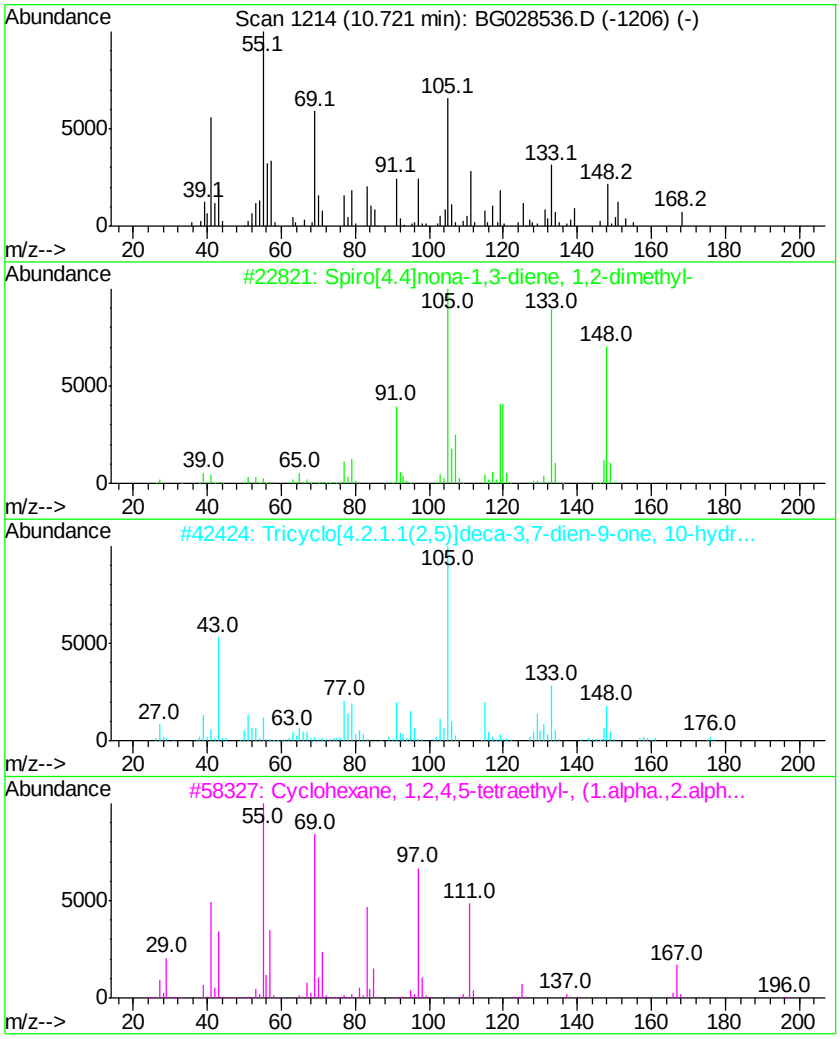
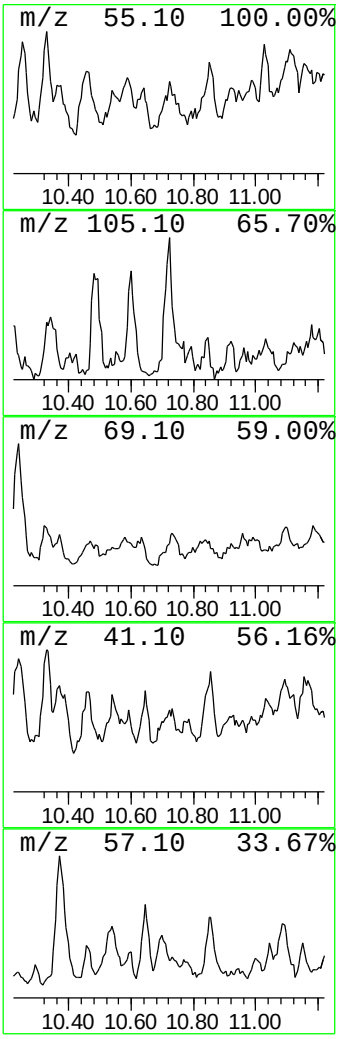
Peak Number 21 unknown-03 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	3.36 ng/ul	201652	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	35
2	Tricyclo[4.2.1.1(2,5)]deca-3,7-d...	176	C11H12O2	070220-88-1	12
3	Cyclohexane, 1,2,4,5-tetraethyl-...	196	C14H28	061142-24-3	10
4	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	10
5	Nopyl acetate	208	C13H20O2	000128-51-8	10





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Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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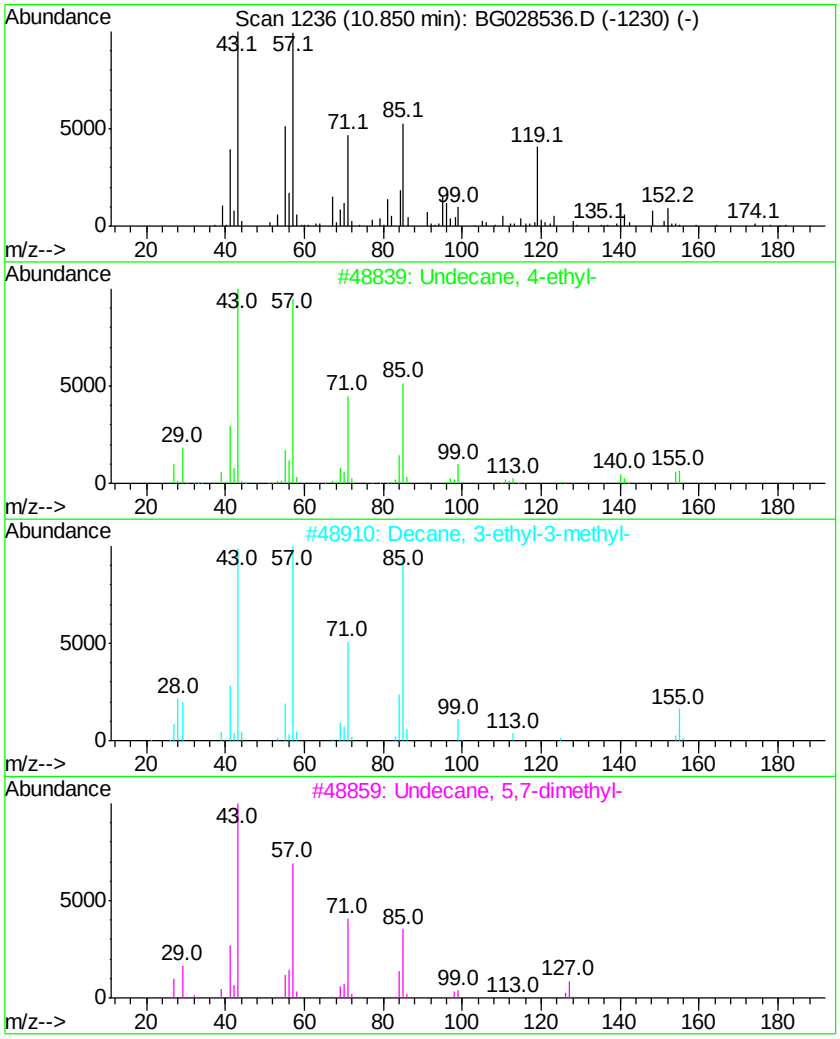
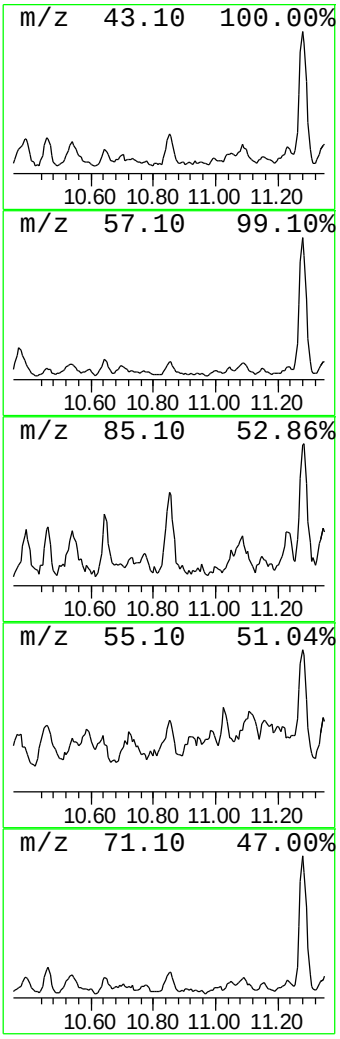
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	5.28 ng/ul	316764	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-ethyl-	184	C13H28	017312-59-3	49
2	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	47
3	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	46
4	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	43
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43





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Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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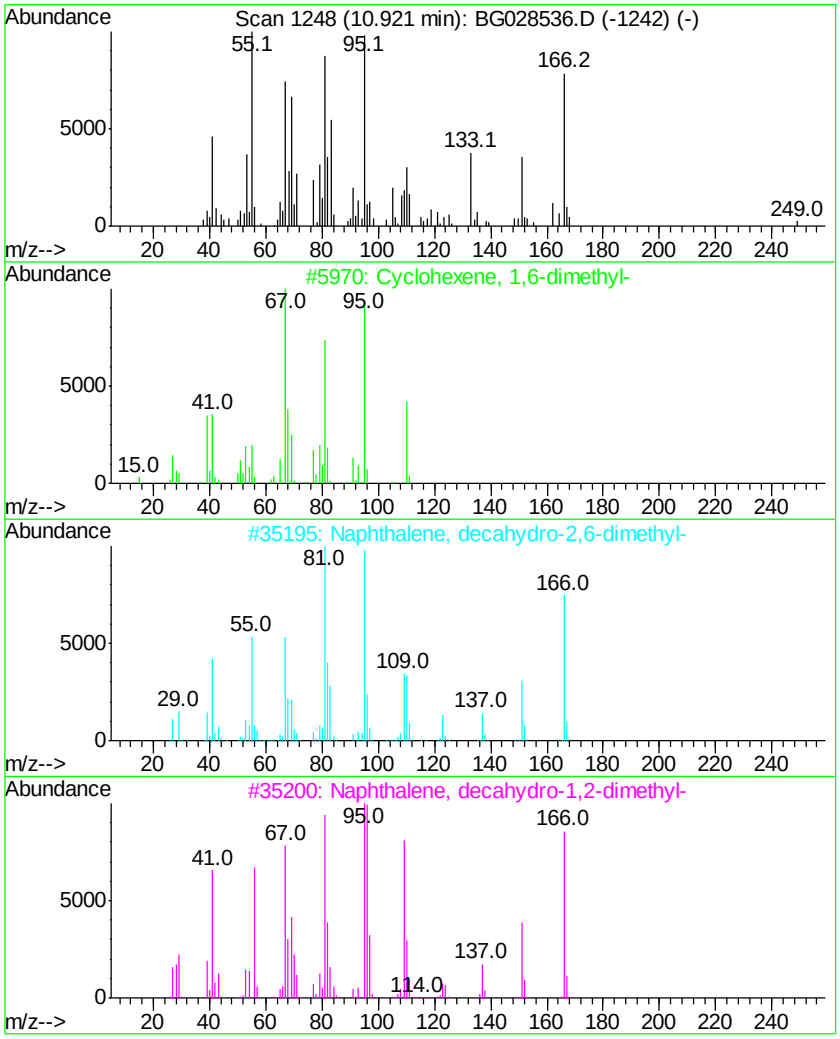
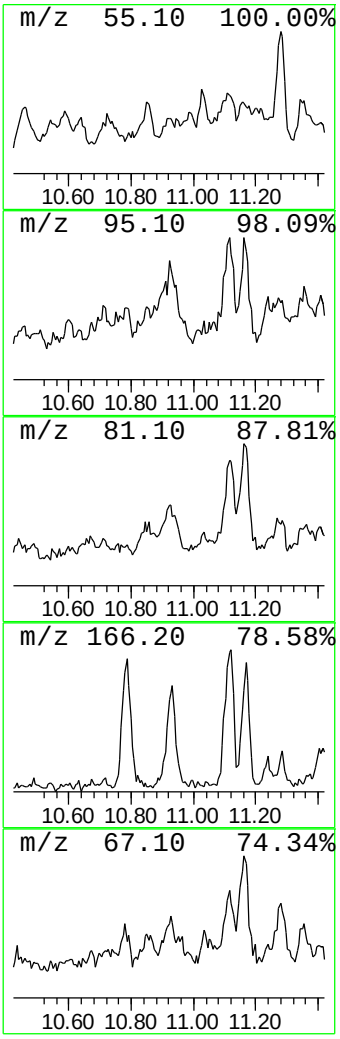
Peak Number 23 Cyclohexene, 1,6-dimethyl- Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.98 ng/ul	178905	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	91
2	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	90
3	Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	83
4	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	81
5	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	74





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Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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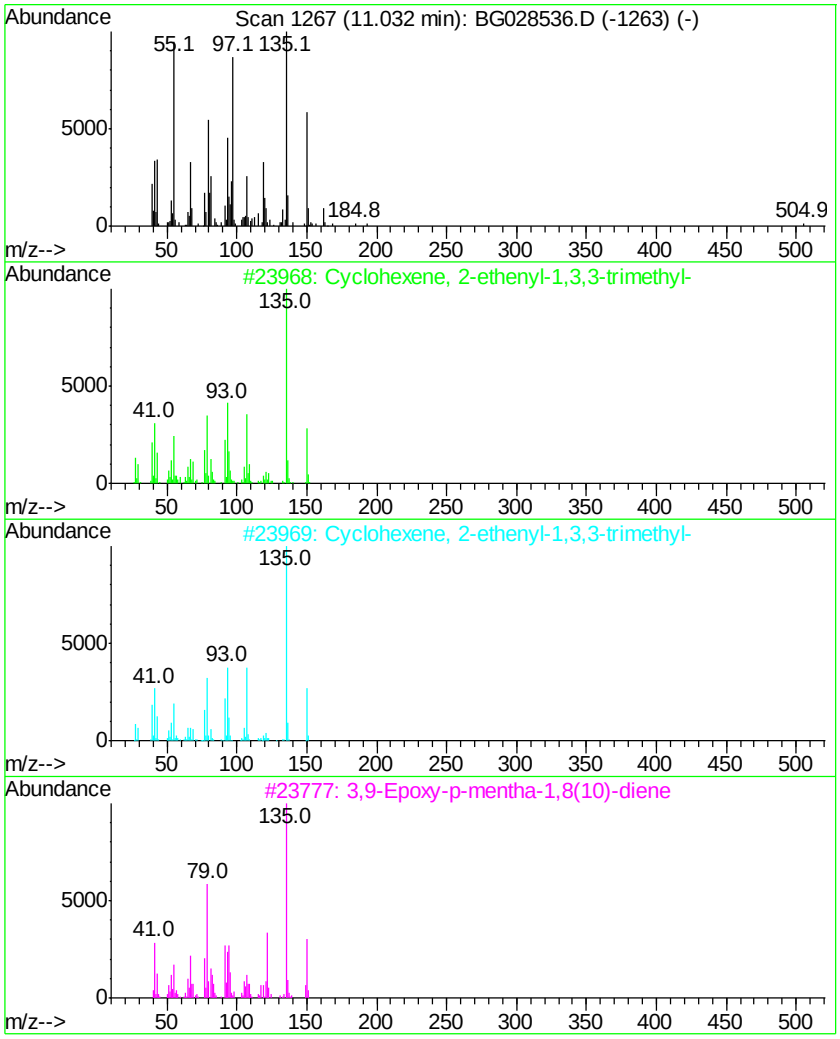
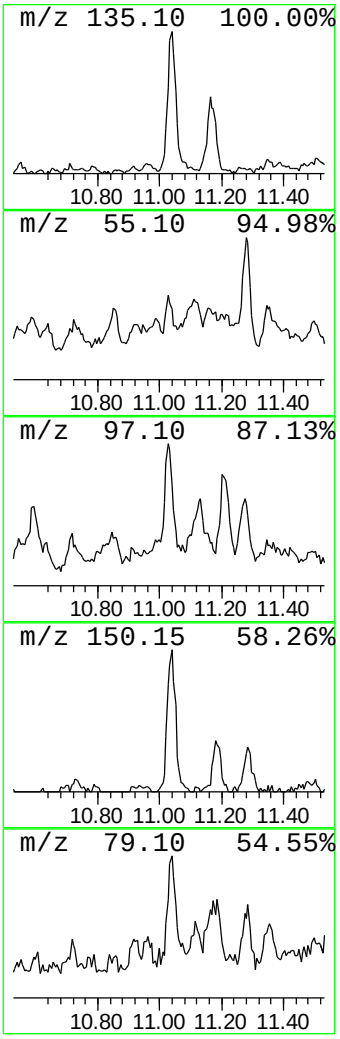
Peak Number 24 Cyclohexene, 2-ethenyl-1,3,... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	4.14 ng/ul	248000	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	91
2	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	58
3	3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	50
4	p-Cymen-7-ol	150	C10H14O	000536-60-7	43
5	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	43





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Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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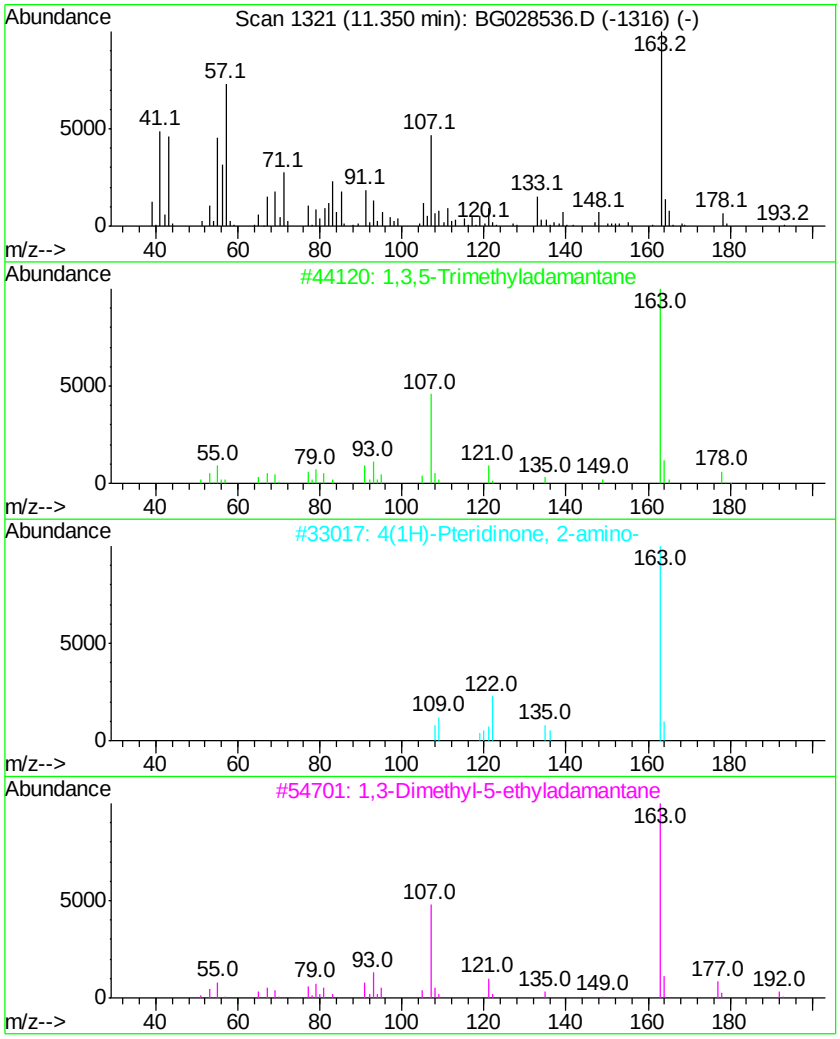
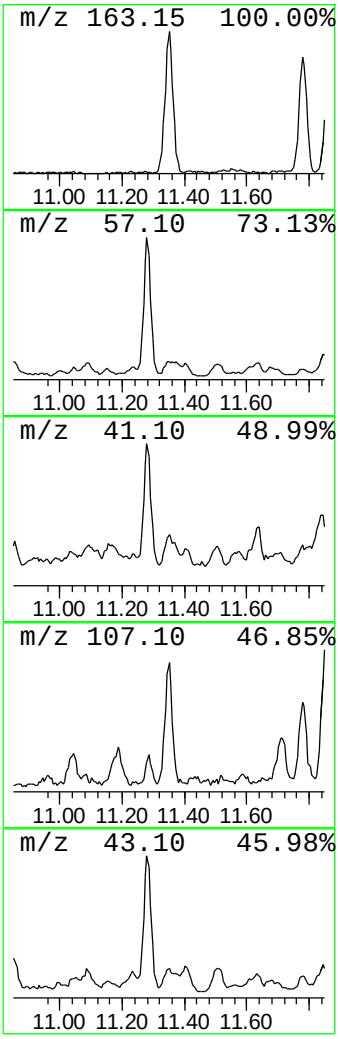
Peak Number 25 1,3,5-Trimethyladamantane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	8.42 ng/ul	504553	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	90
2	4(1H)-Pteridinone, 2-amino-	163	C6H5N5O	002236-60-4	64
3	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	47
4	1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	30
5	1,3-Diethyladamantane	192	C14H24	025074-51-5	30





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Quant Title : SVOA CALIBRATION

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

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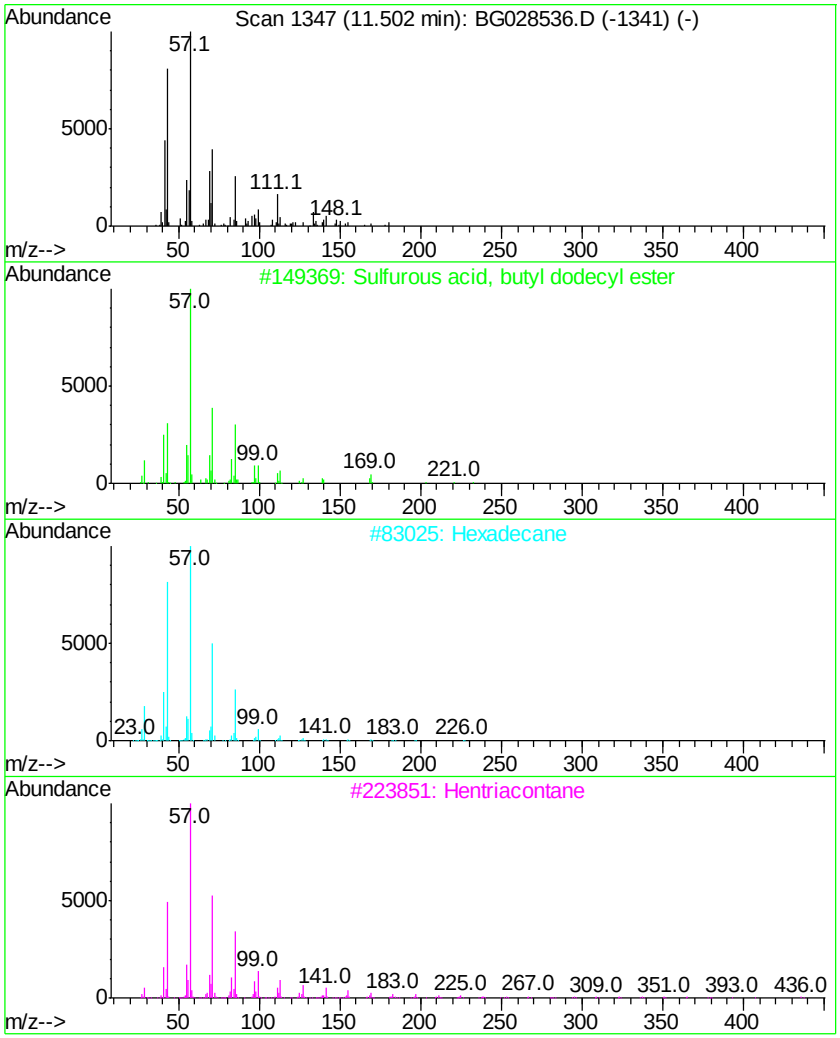
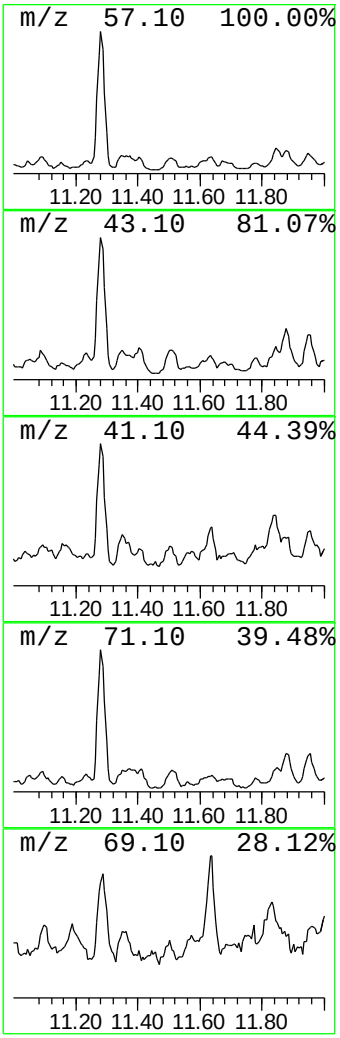
Peak Number 26 Sulfurous acid, butyl dodec... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	3.78 ng/ul	226757	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	64
2	Hexadecane	226	C16H34	000544-76-3	64
3	Hentriacontane	437	C31H64	000630-04-6	64
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
5	Octadecane	254	C18H38	000593-45-3	59





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Quant Title : SVOA CALIBRATION

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

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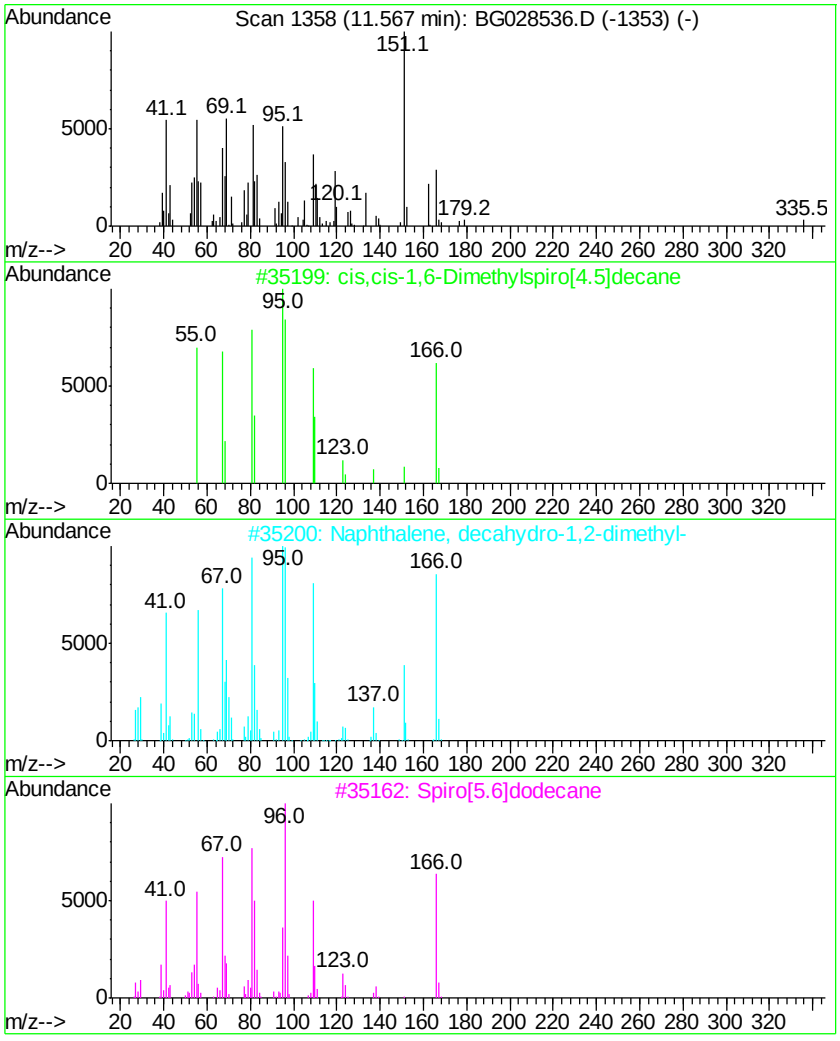
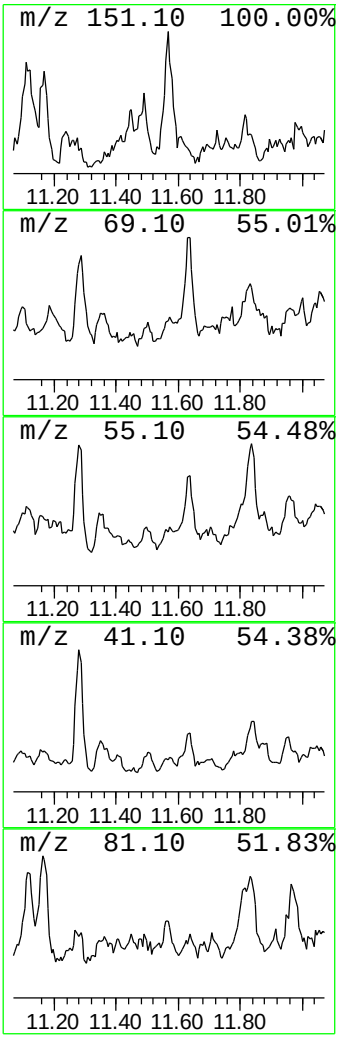
Peak Number 27 unknown-04 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	2.46 ng/ul	147279	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	42
2	Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	42
3	Spiro[5.6]dodecane	166	C12H22	000181-15-7	38
4	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	38
5	Spiro[5.6]dodecane	166	C12H22	000181-15-7	38





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Quant Title : SVOA CALIBRATION

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

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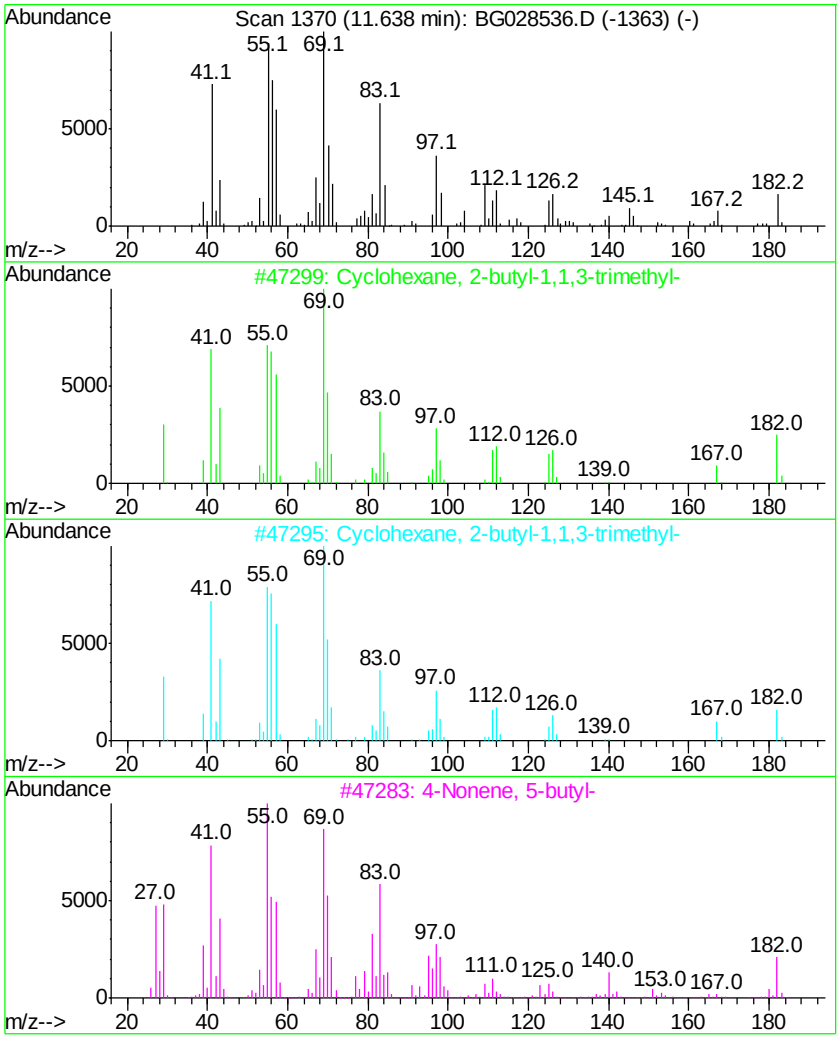
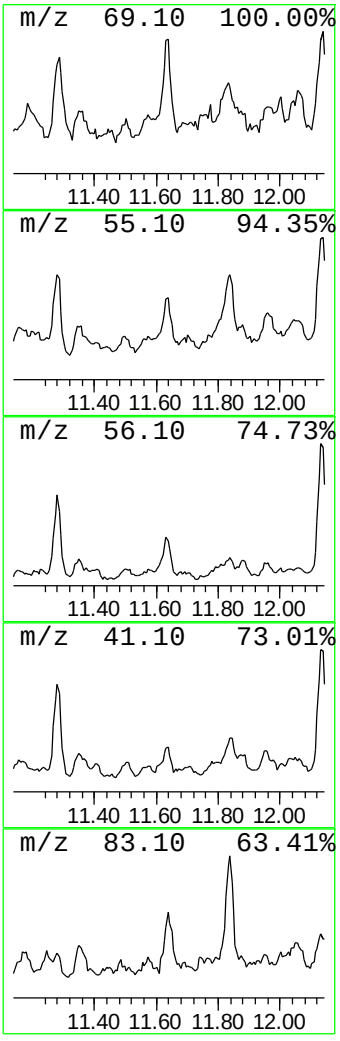
Peak Number 28 (DEL) Alkane: Cyclic11.64 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	6.21 ng/ul	372135	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	90
2	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	70
3	4-Nonene, 5-butyl-	182	C13H26	007367-38-6	70
4	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	64
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	64





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Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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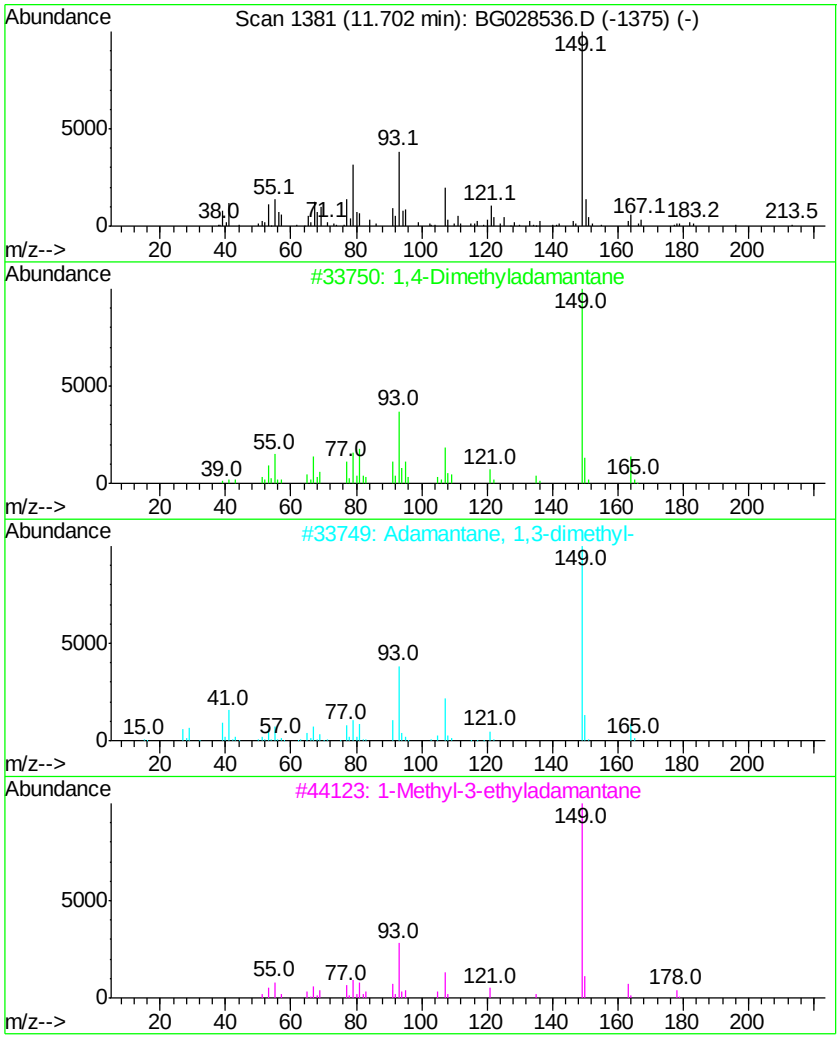
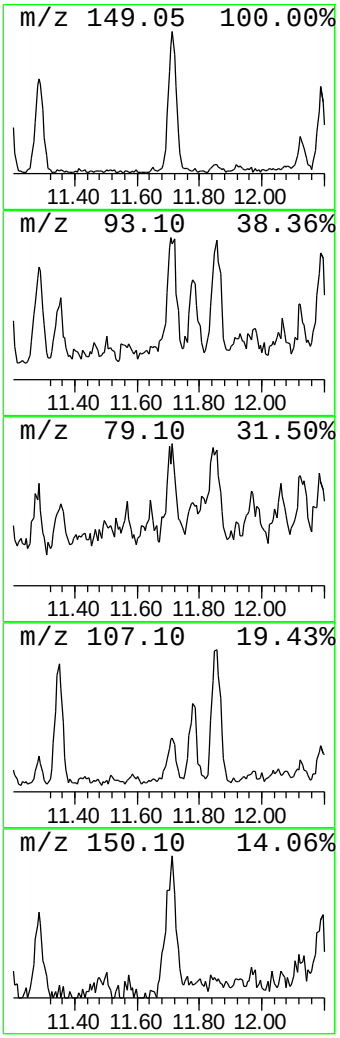
Peak Number 29 1,4-Dimethyladamantane Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.94 ng/ul	176273	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyladamantane	164	C12H20	024145-89-9	74
2	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	72
3	1-Methyl-3-ethyladamantane	178	C13H22	001687-34-9	64
4	1H-Benzotriazole, 5-methoxy-	149	C7H7N3O	027799-91-3	47
5	Tricyclo[3.3.1.1(3,7)]decanone, ...	276	C10H13IO	056781-85-2	43





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Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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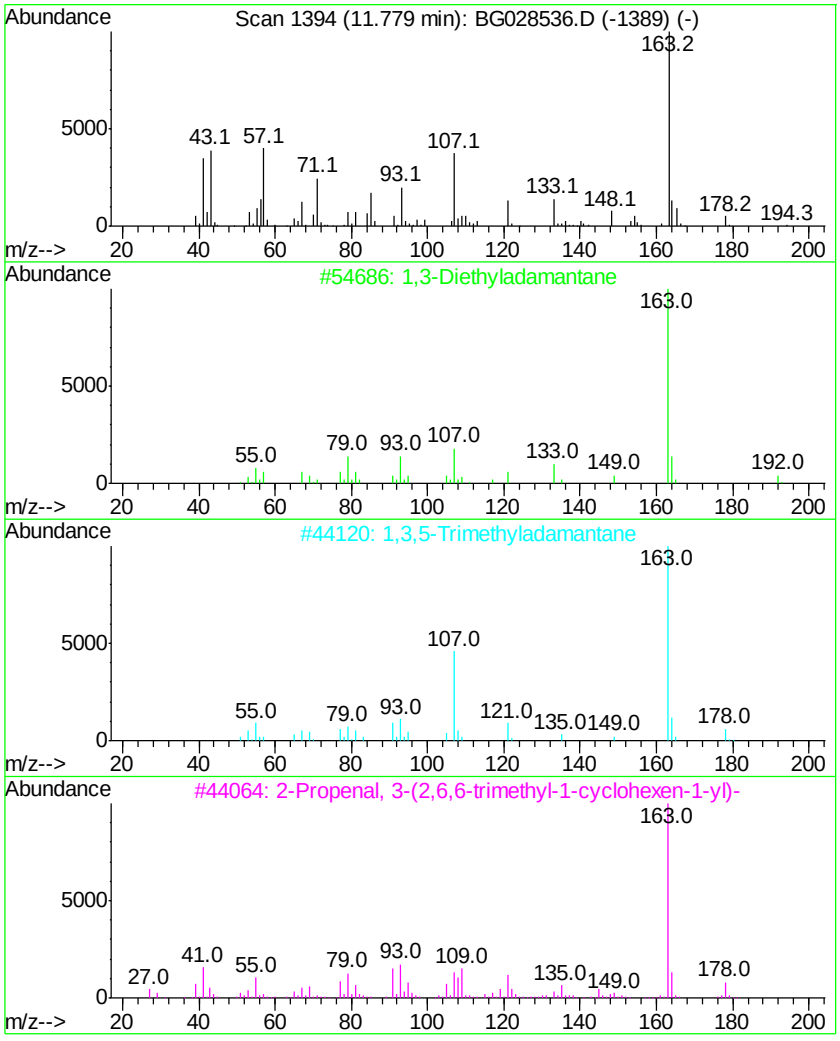
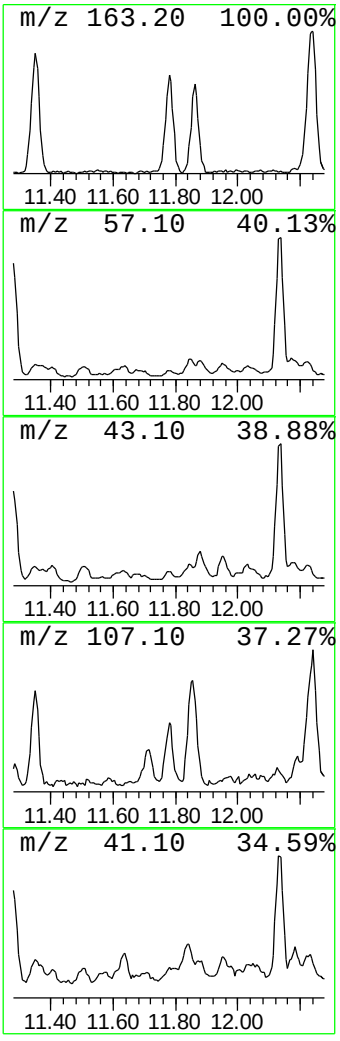
Peak Number 30 1,3-Diethyladamantane Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	2.82 ng/ul	168869	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diethyladamantane	192	C14H24	025074-51-5	53
2	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	52
3	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	50
4	9H-Purin-6-amine,N,9-dimethyl-	163	C7H9N5	002009-52-1	49
5	1,3-Dimethyl-5-n-hexyladamantane	248	C18H32	052873-50-4	47





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Sample : I4905-16
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ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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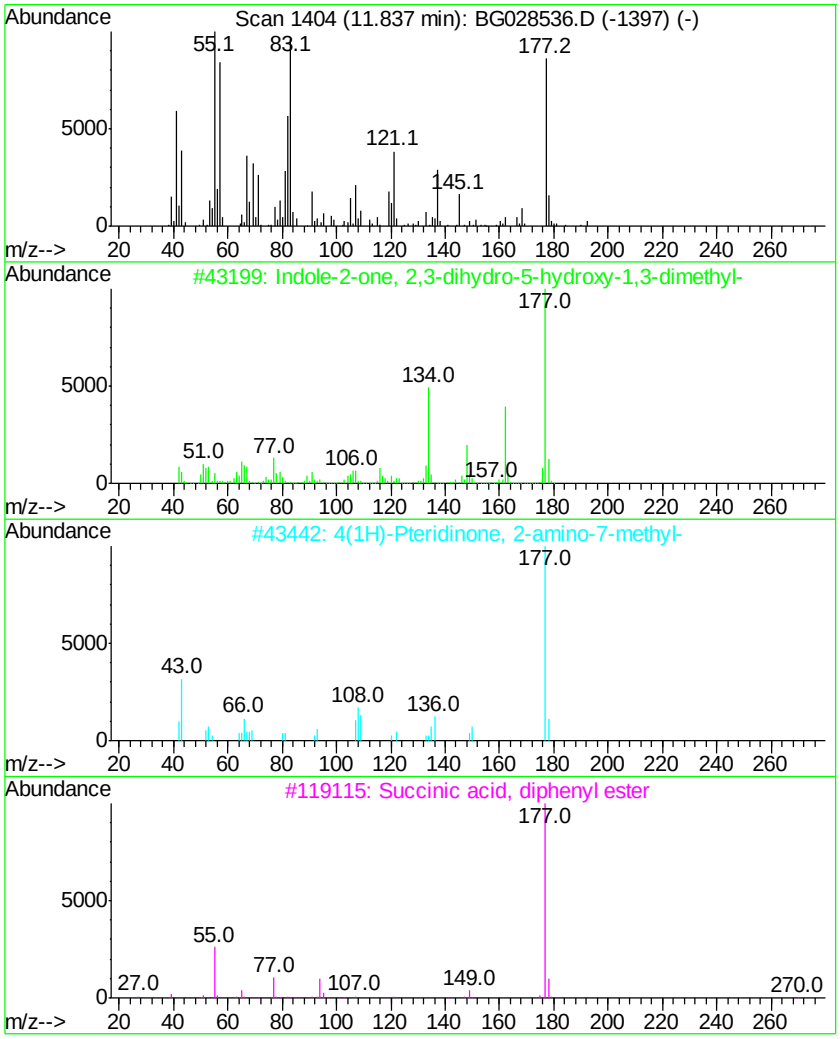
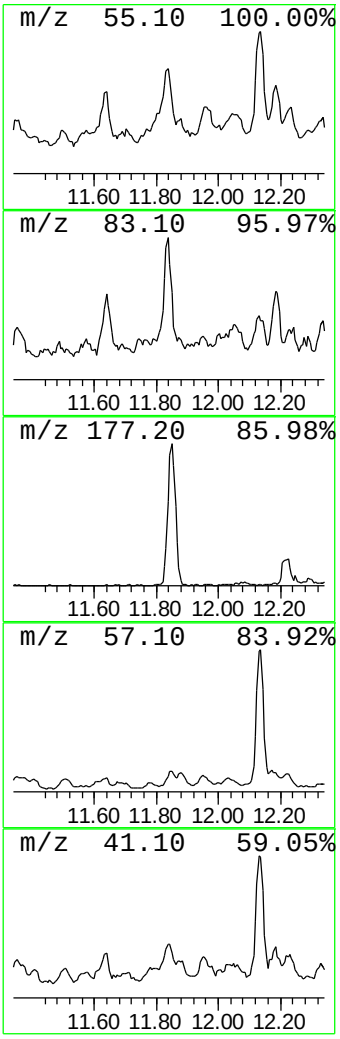
Peak Number 31 unknown-05 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	17.27 ng/ul	1035670	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole-2-one, 2,3-dihydro-5-hydr...	177	C10H11NO2	001010-68-0	35
2	4(1H)-Pteridinone, 2-amino-7-met...	177	C7H7N5O	013040-58-9	35
3	Succinic acid, diphenyl ester	270	C16H14O4	1000357-99-6	27
4	1,3,5,6-Tetramethyladamantane	192	C14H24	034694-70-7	25
5	2H-1-Benzopyran, 3,5,6,8a-tetrah...	192	C13H20O	041678-29-9	22





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ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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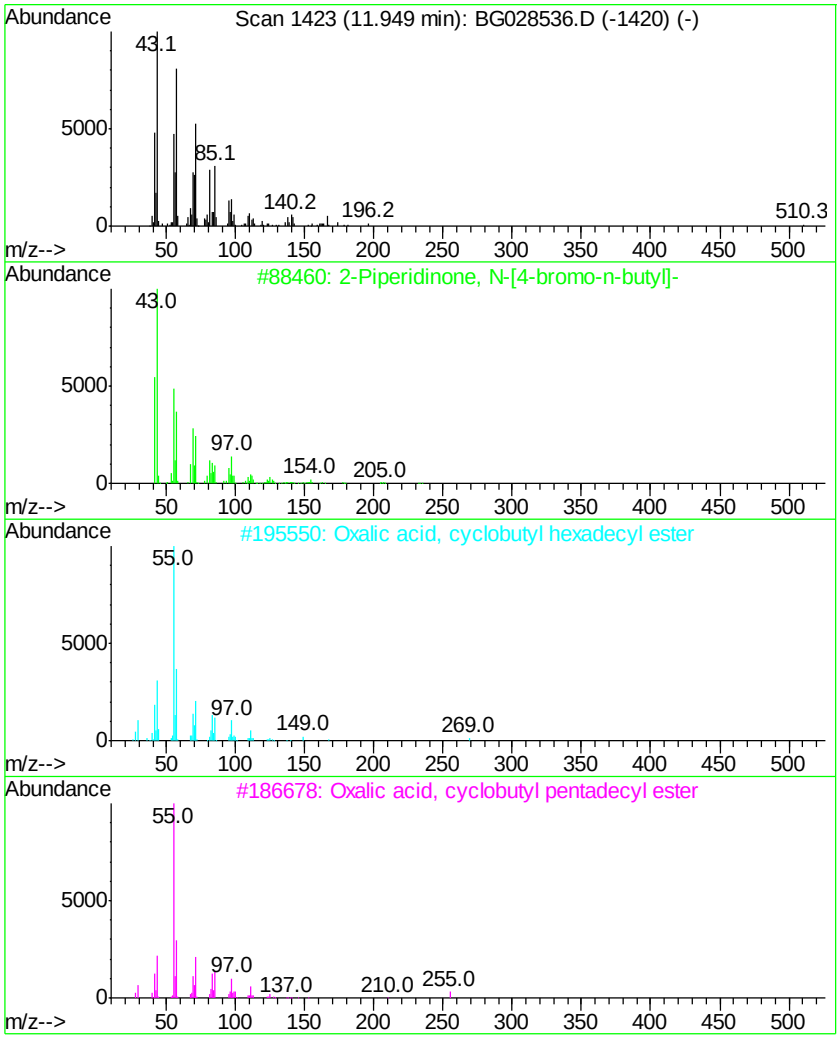
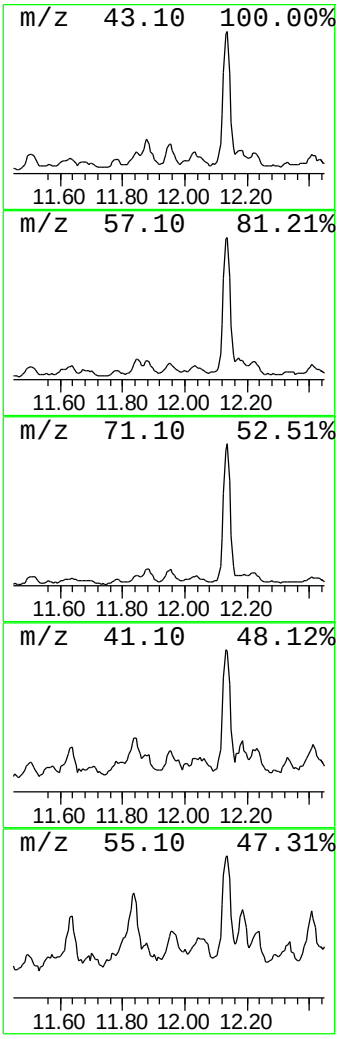
Peak Number 32 2-Piperidinone, N-[4-bromo-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.95 ng/ul	296789	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	53
2	Oxalic acid, cyclobutyl hexadecy...	368	C22H40O4	1000309-70-6	47
3	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	47
4	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	35
5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	22





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Sample : I4905-16
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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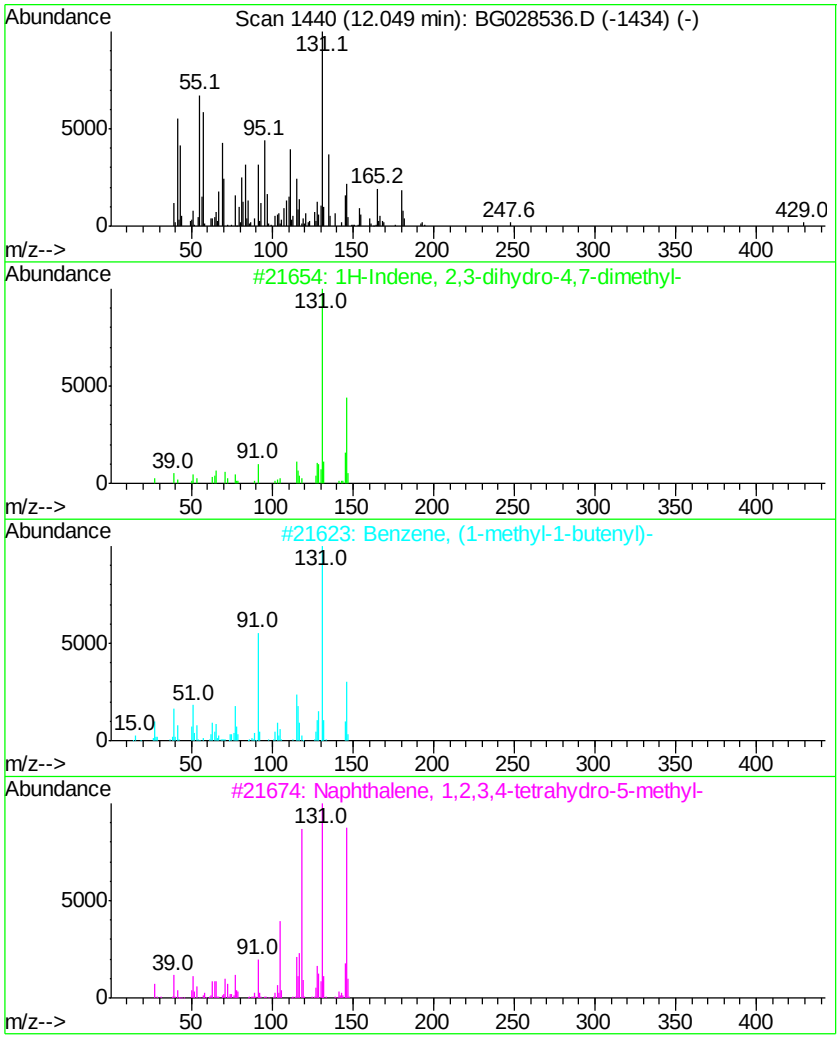
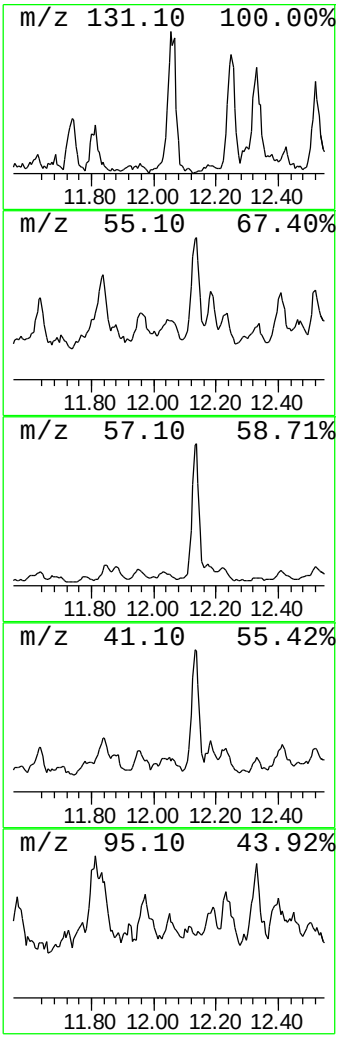
Peak Number 33 unknown-06 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	6.15 ng/ul	368892	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	46
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	43
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	42
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	41





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Sample : I4905-16
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ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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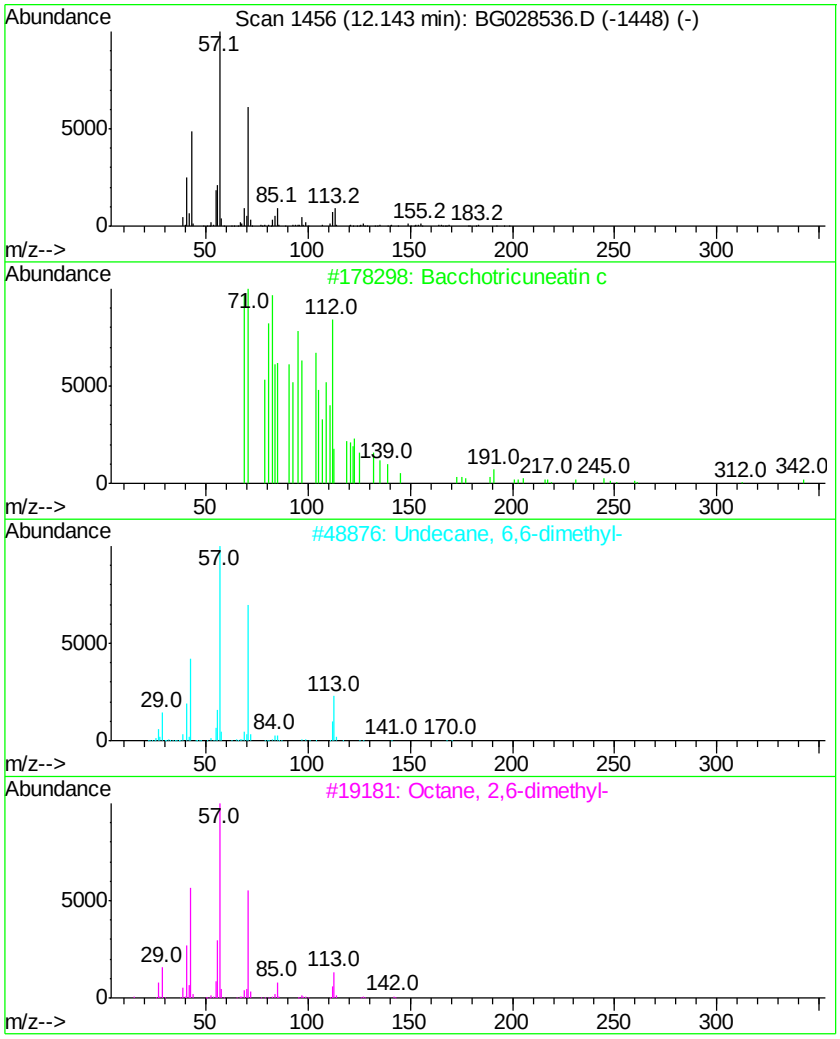
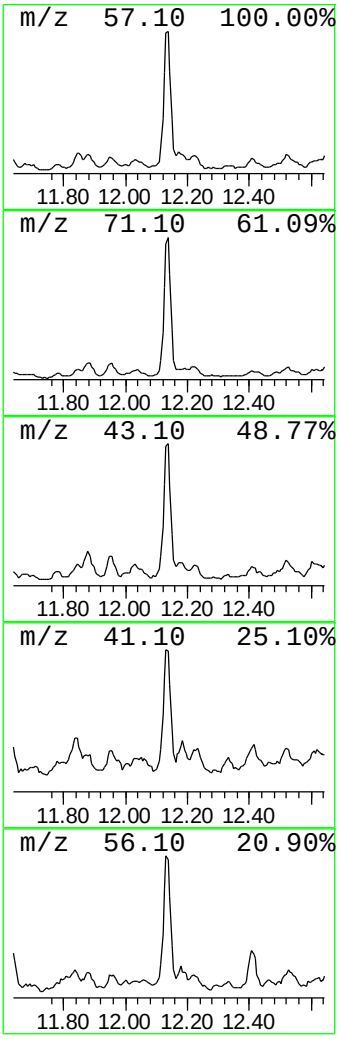
Peak Number 34 Bacchotricuneatin c Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	28.80 ng/ul	1727050	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	81
2	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	52





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Sample : I4905-16
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Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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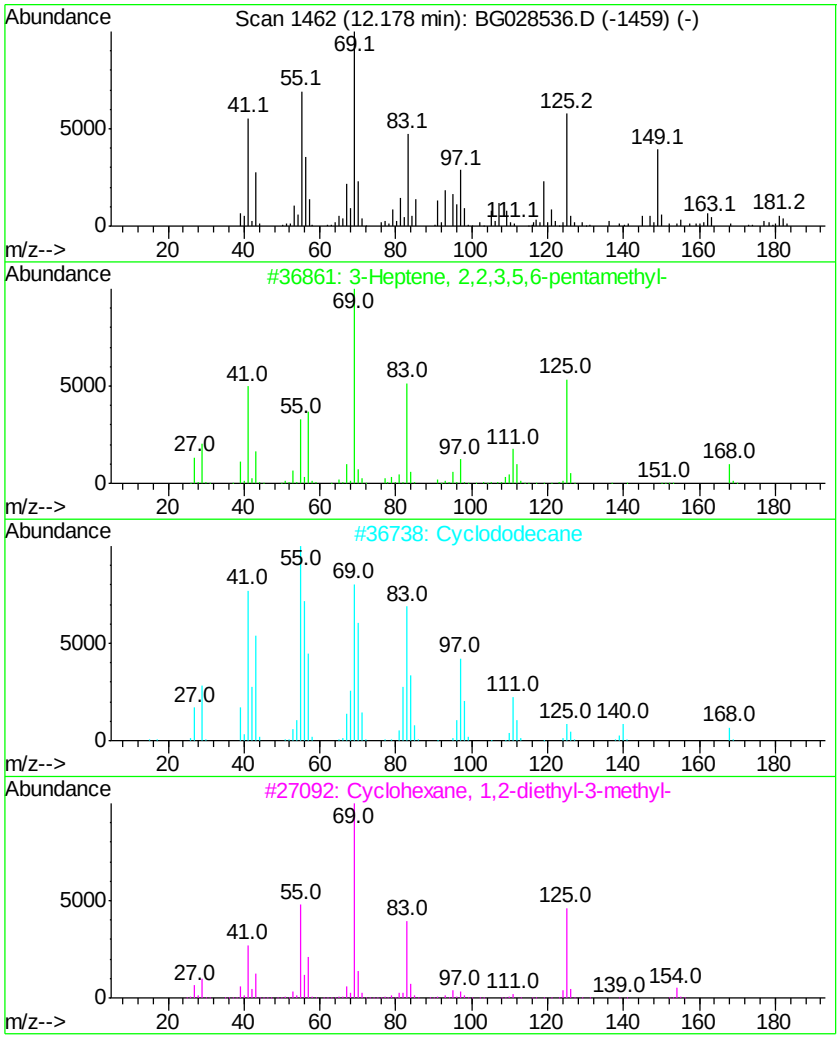
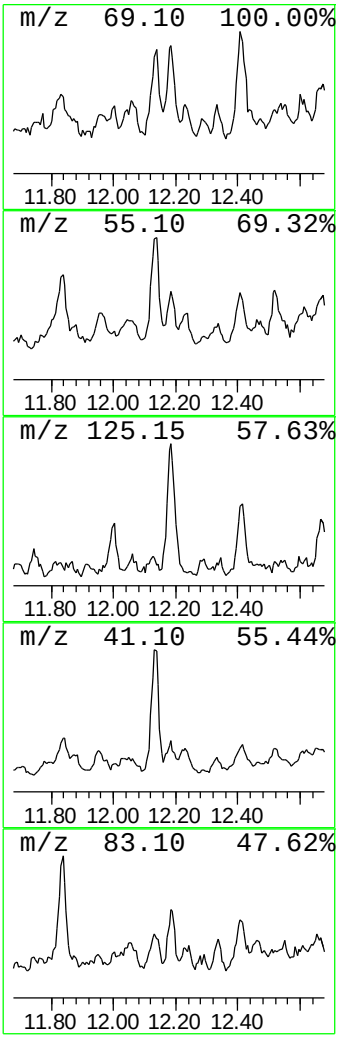
Peak Number 35 unknown-07 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	8.68 ng/ul	520317	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,3,5,6-pentamethyl-	168	C12H24	116164-06-8	47
2	Cyclododecane	168	C12H24	000294-62-2	43
3	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	38
4	2,6-Octadienal, 3,7-dimethyl-, (Z)-	152	C10H16O	000106-26-3	35
5	Cyclopropanemethanol, 2-methyl-2...	168	C11H20O	098678-70-7	27





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Sample : I4905-16
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Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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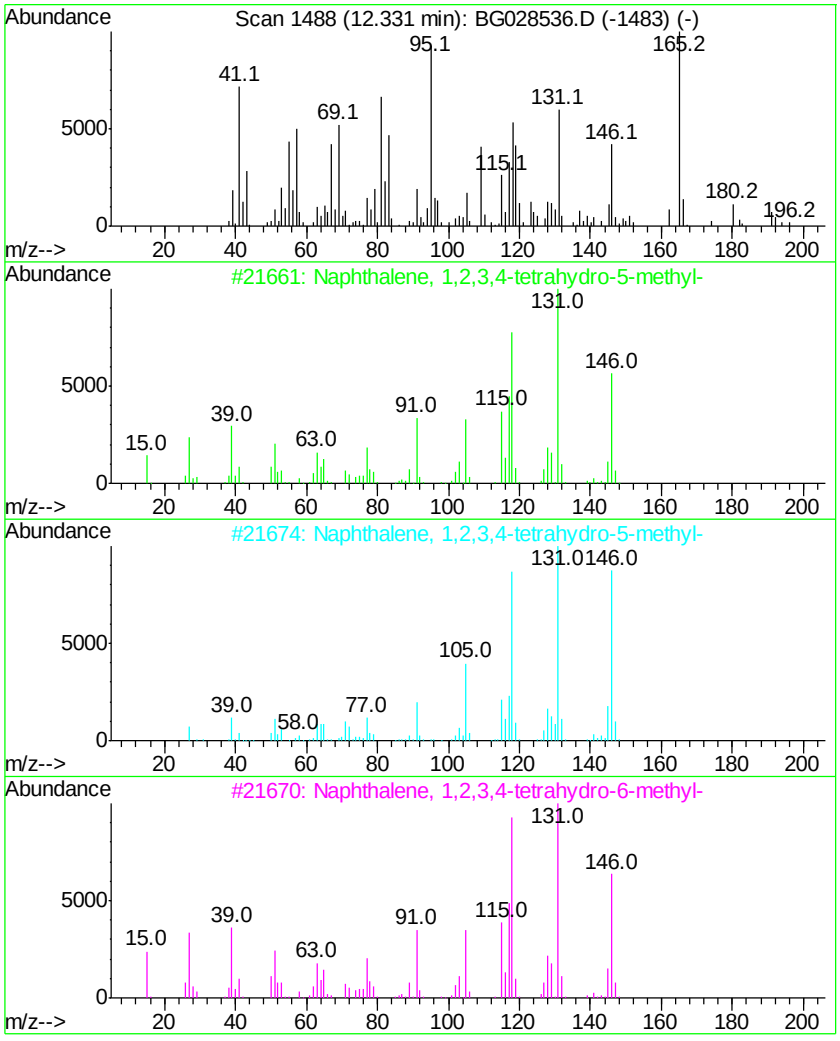
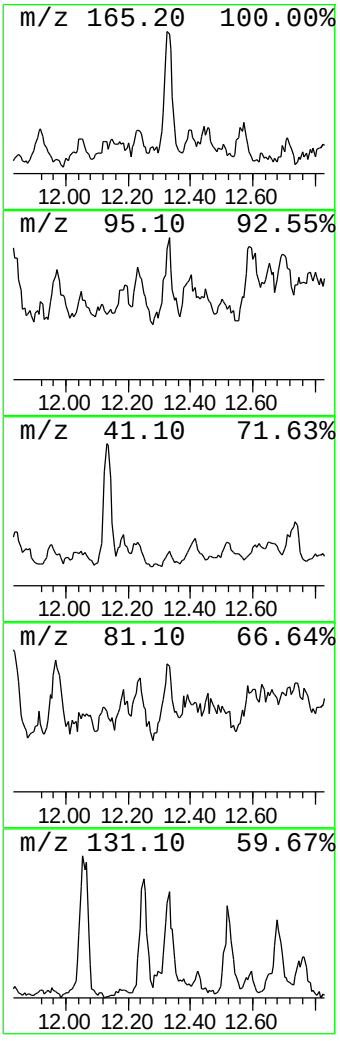
Peak Number 37 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.92 ng/ul	294821	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	66
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	43
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	35
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	35





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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

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Quant Title : SVOA CALIBRATION

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

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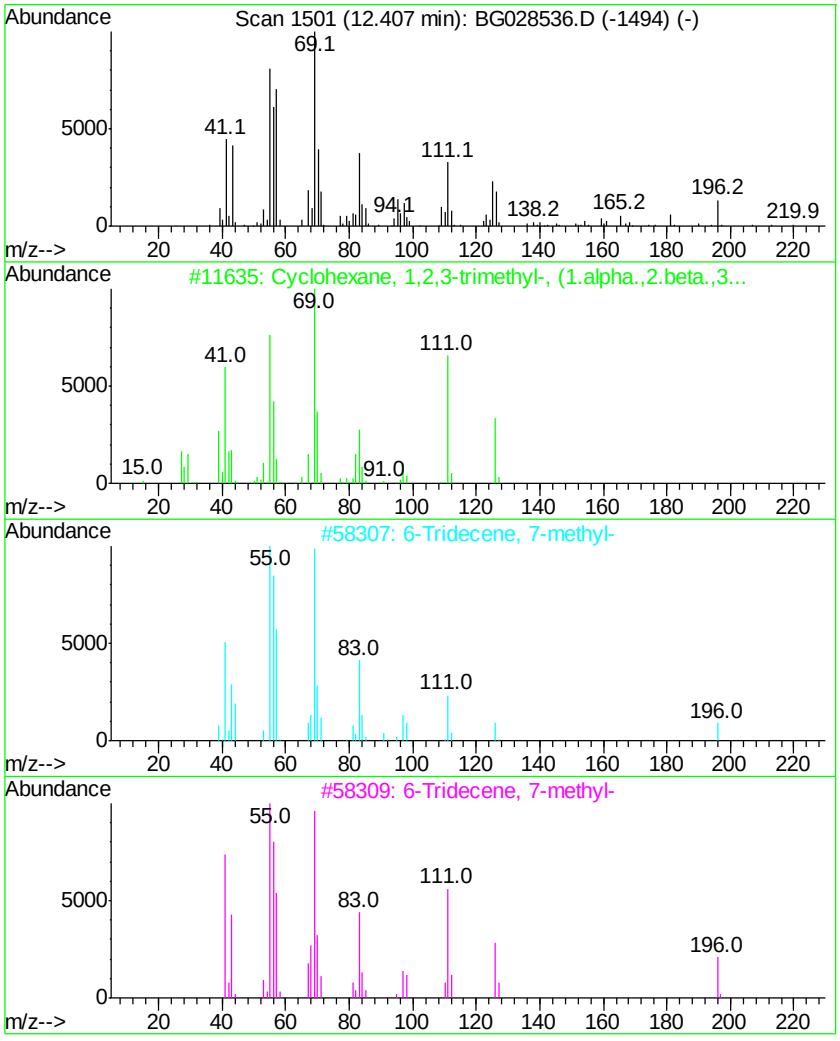
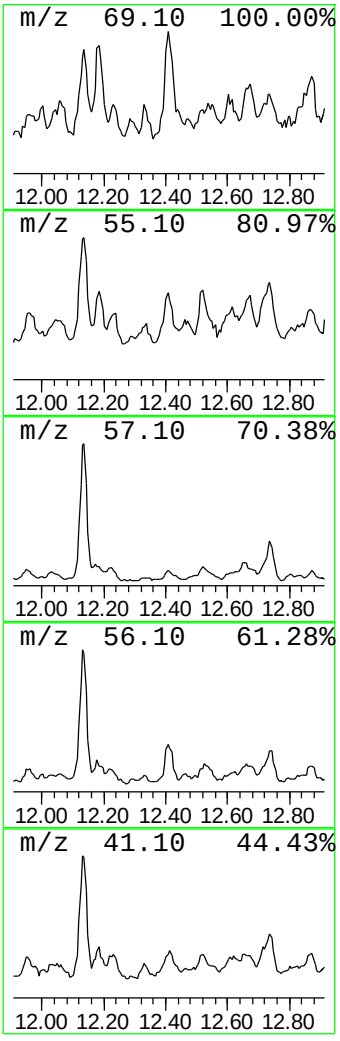
Peak Number 38 (DEL) Alkane: Cyclic12.41 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	10.36 ng/ul	621263	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	81
2	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	76
3	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	50
4	Tridecane, 7-methylene-	196	C14H28	019780-80-4	49
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49





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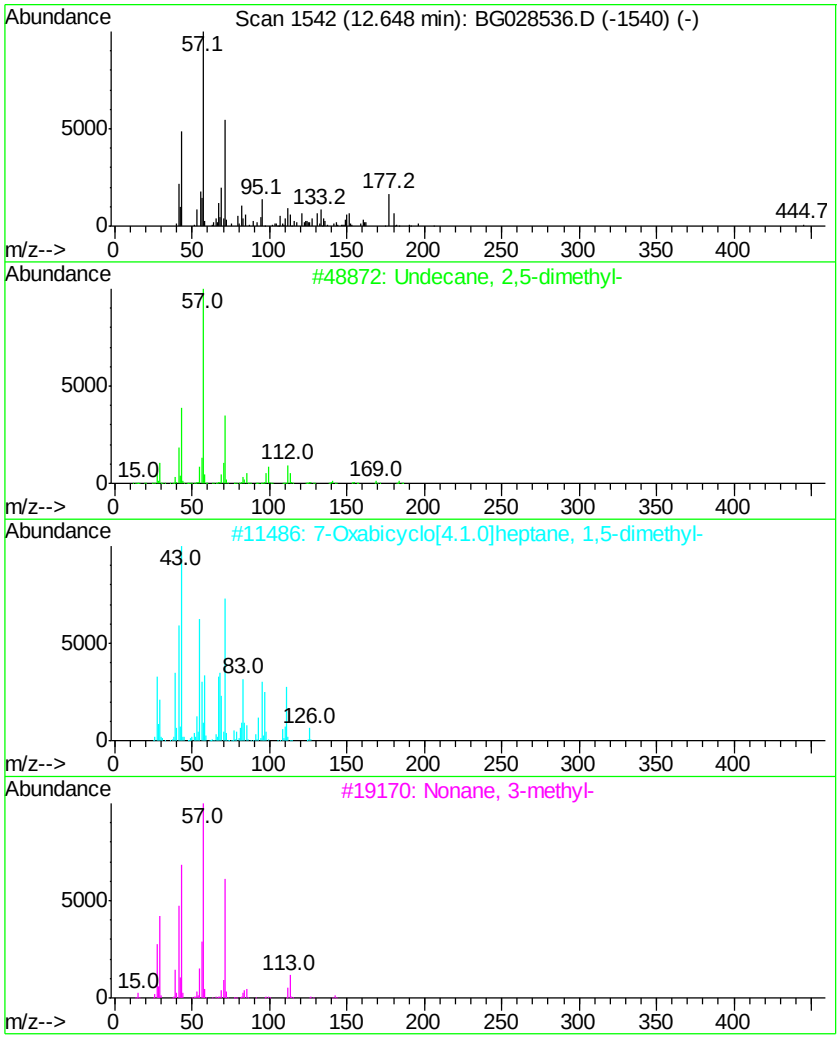
Quant Title : SVOA CALIBRATION

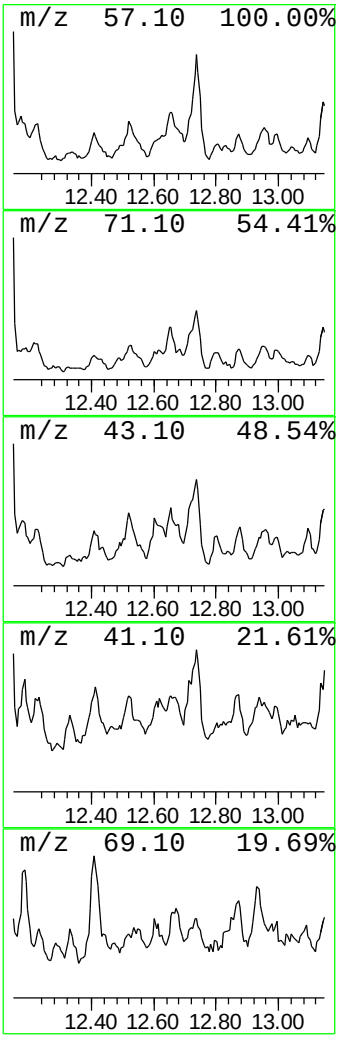
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	8.07 ng/ul	483985	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	38
2	7-Oxabicyclo[4.1.0]heptane, 1,5-...	126	C8H14O	162239-52-3	38
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	38
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38
5	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	35





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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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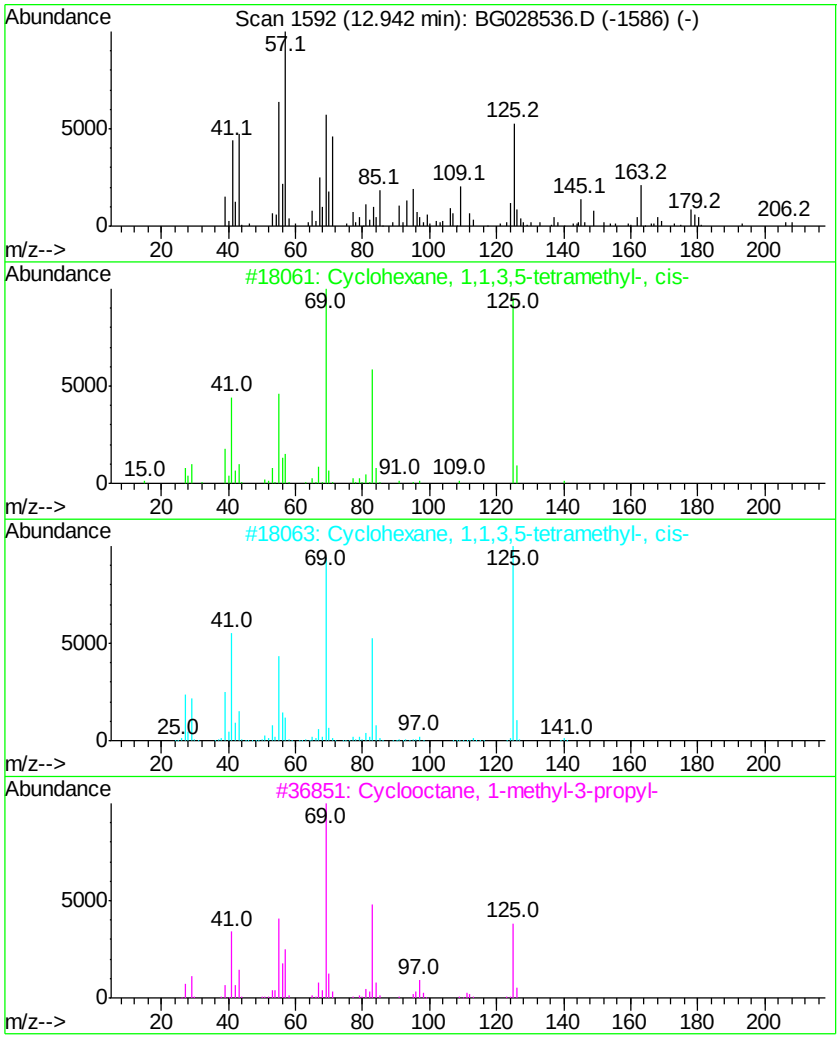
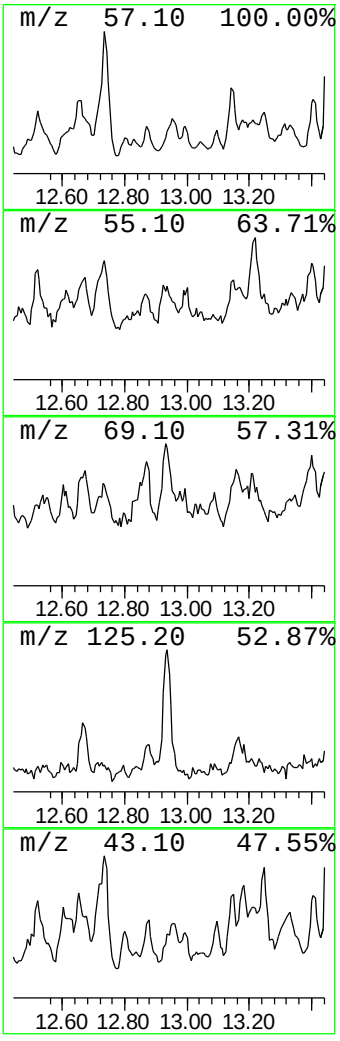
Peak Number 44 (DEL) Alkane: Cyclic12.94 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	6.42 ng/ul	385166	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	50
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	50
3	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
4	Cyclohexane, 1,1'-propylidenebis-	208	C15H28	054934-91-7	38
5	Cyclohexane, 3-ethyl-5-methyl-1-...	168	C12H24	1000151-39-5	27





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Quant Title : SVOA CALIBRATION

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

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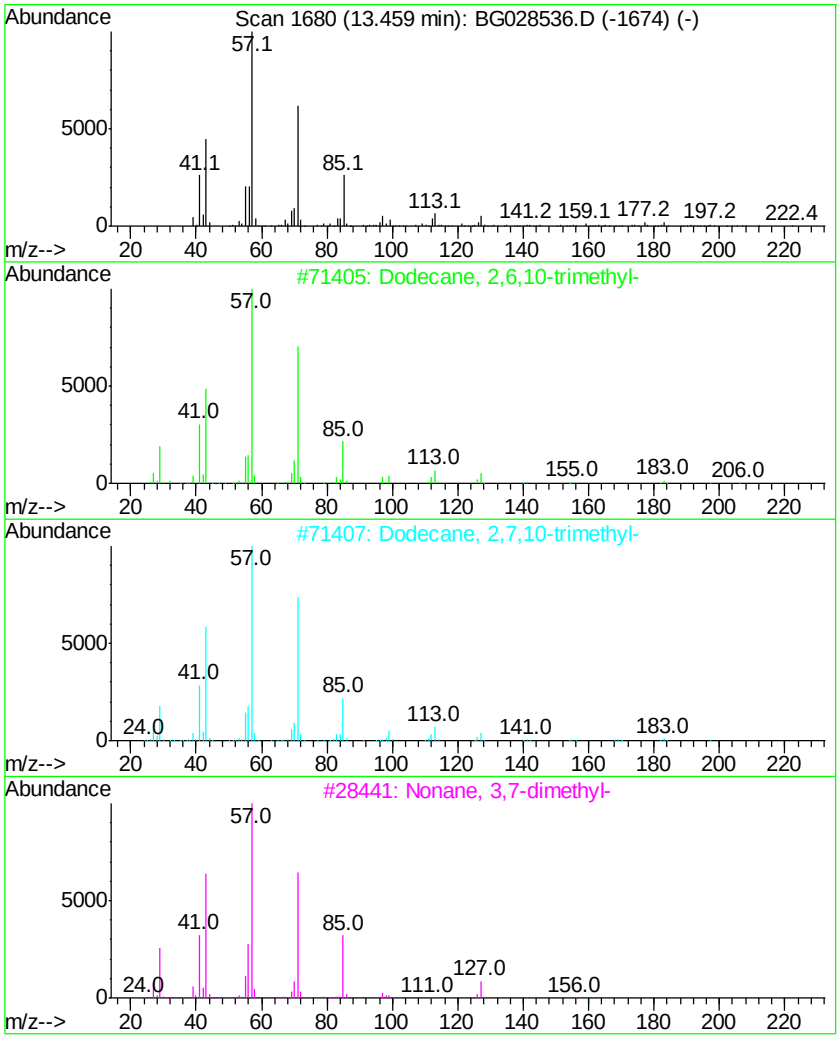
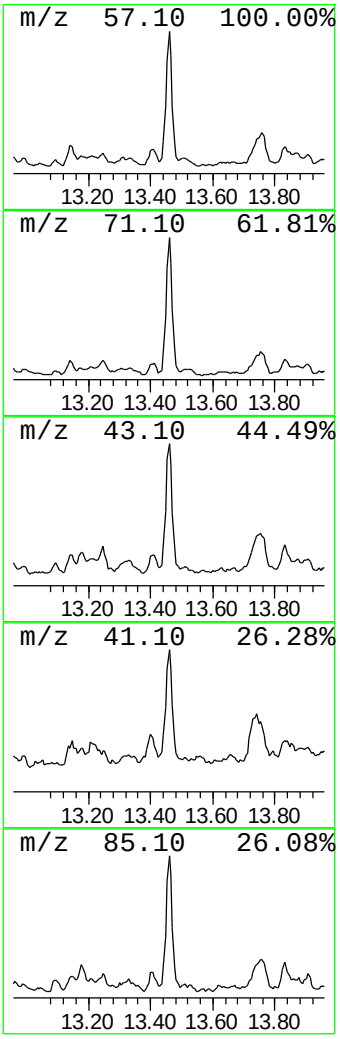
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	44.60 ng/ul	1820280	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

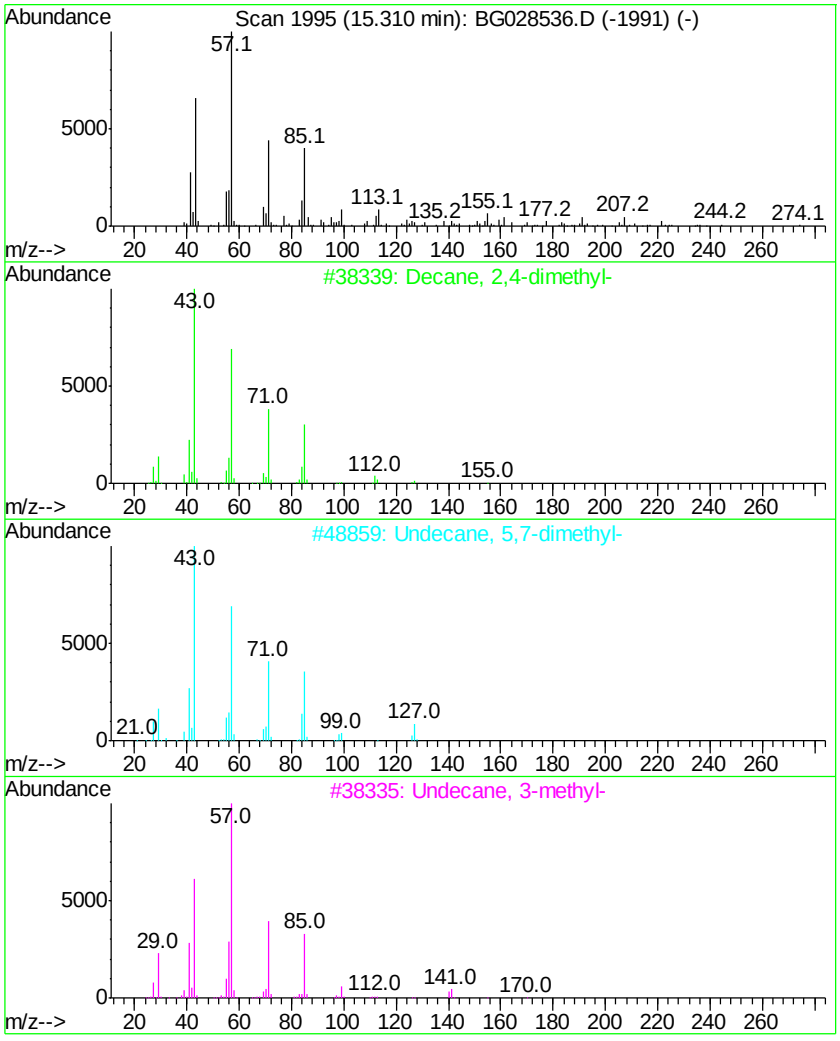
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

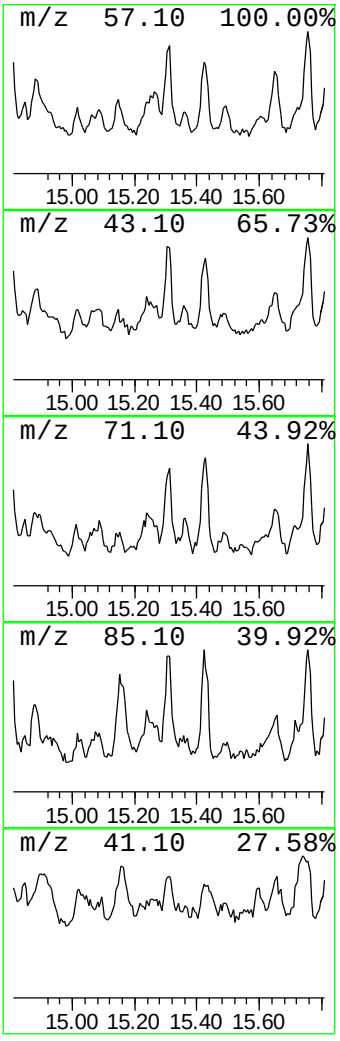
****

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	5.77 ng/ul	235419	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	64
2	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	59
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53
5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

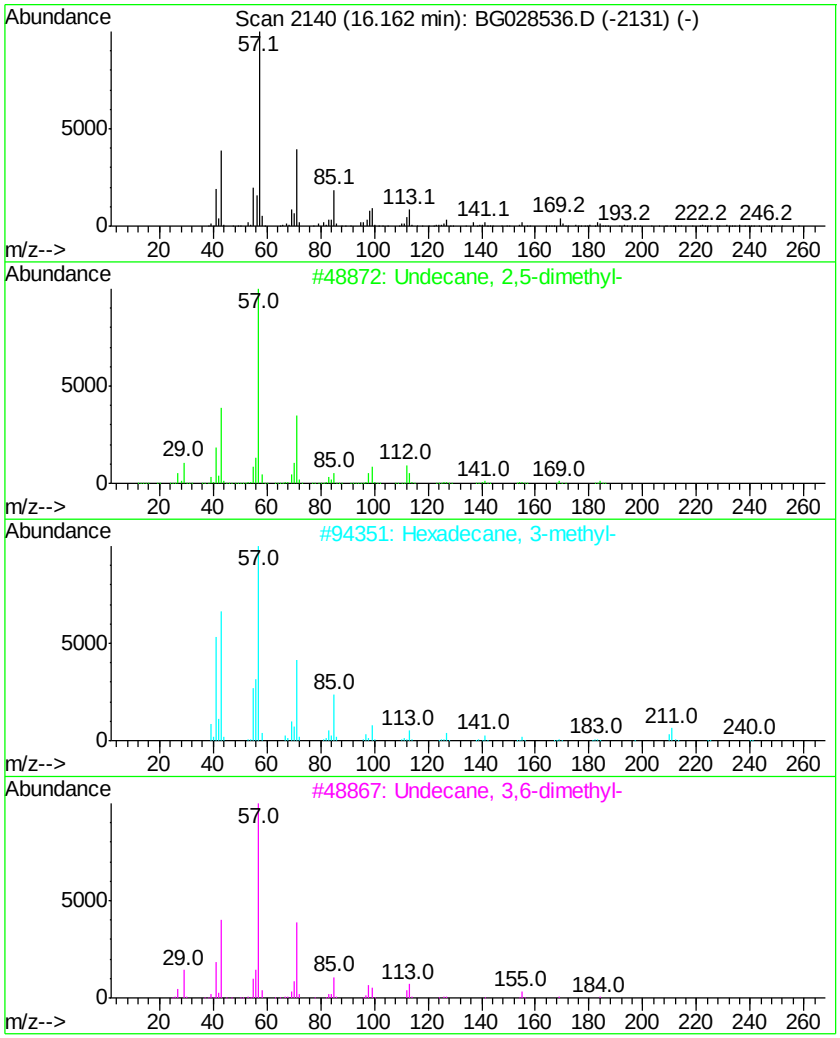
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

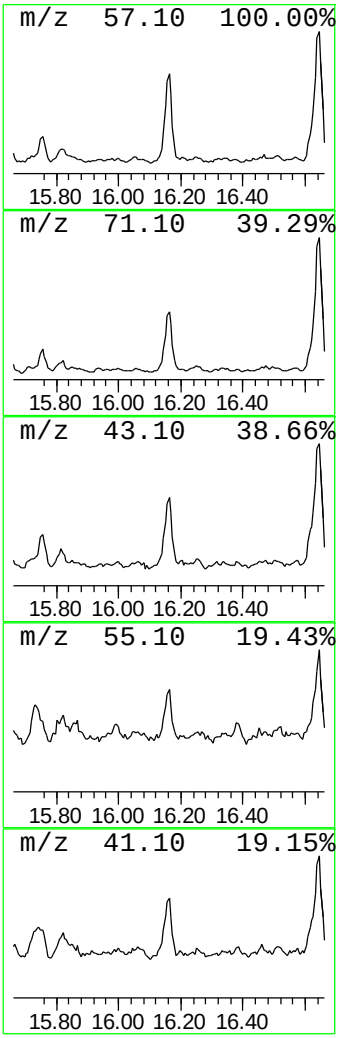
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	29.63 ng/ul	1209240	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	87
2	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	81
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	74
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

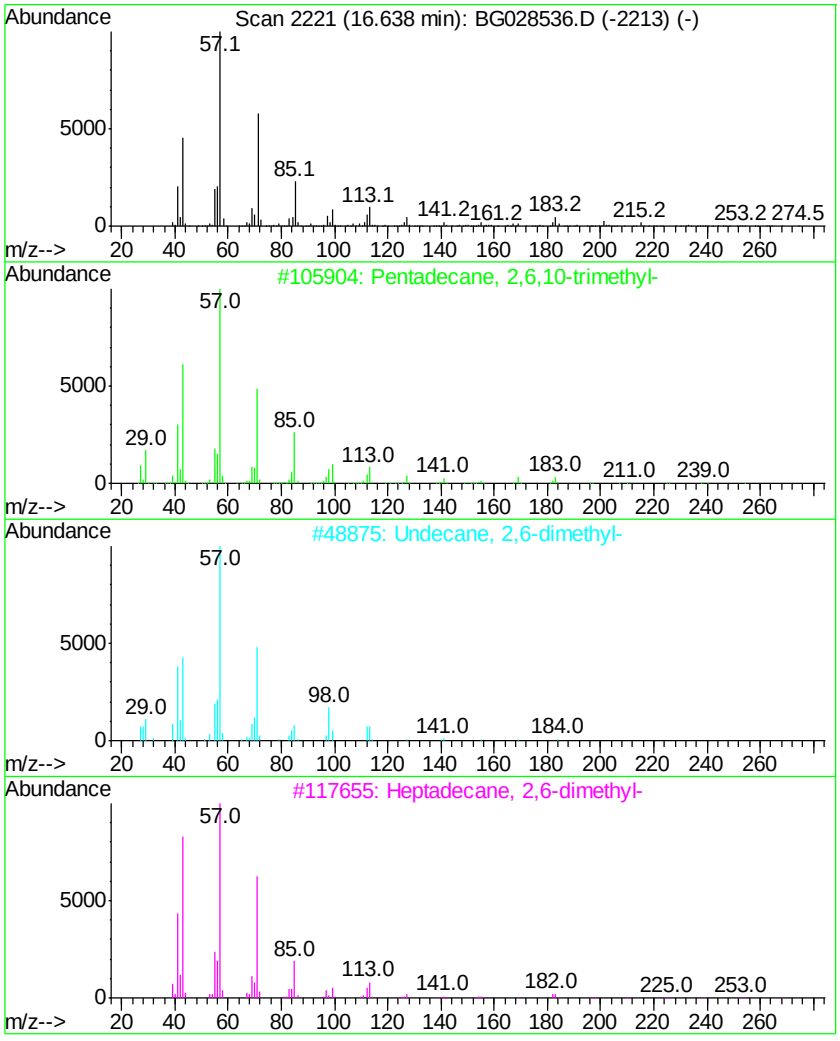
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

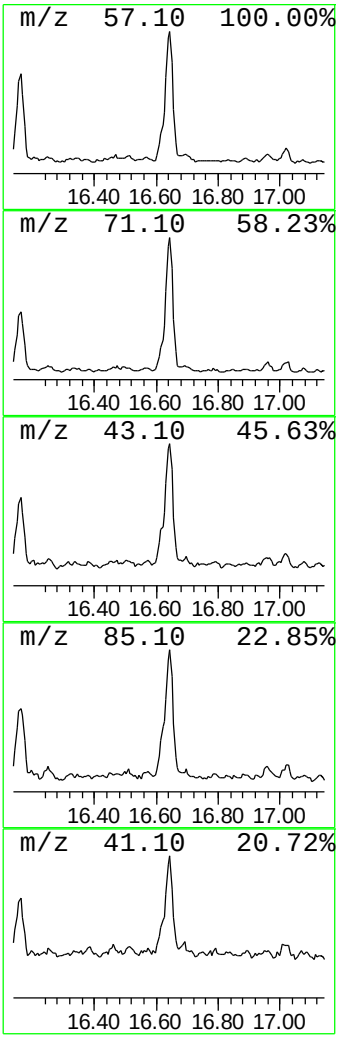
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	46.94 ng/ul	2174640	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	94
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	81
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	81
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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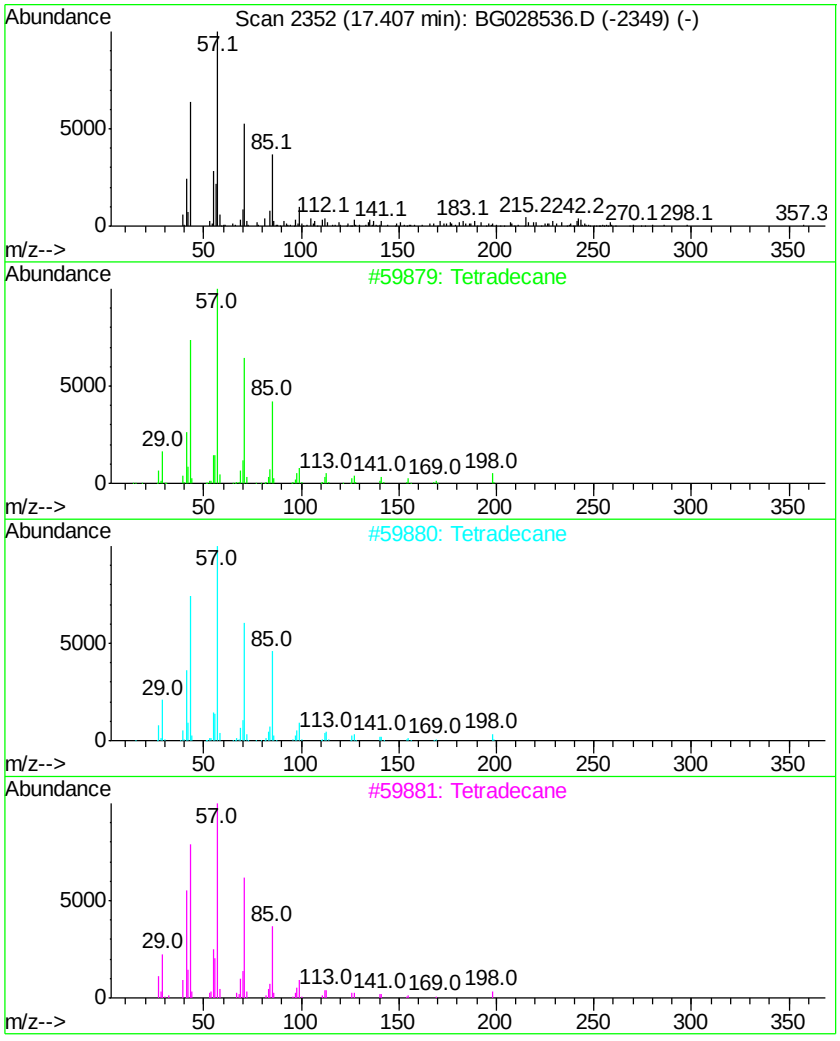
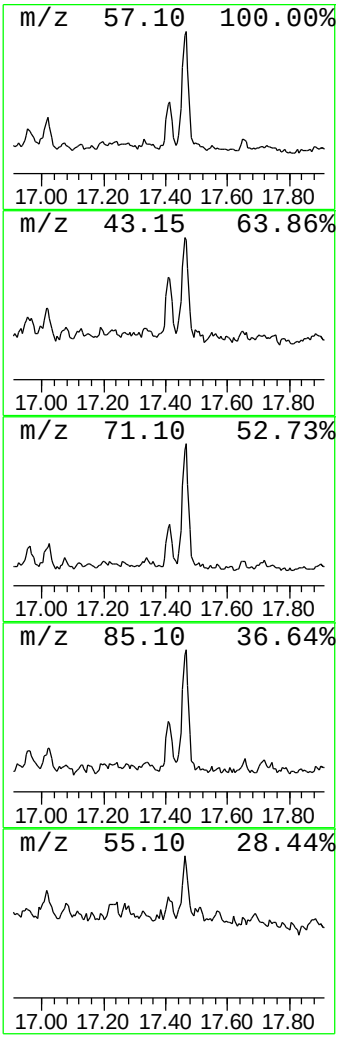
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	5.38 ng/ul	249402	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tetradecane	198	C14H30	000629-59-4	80
4	Tridecane	184	C13H28	000629-50-5	74
5	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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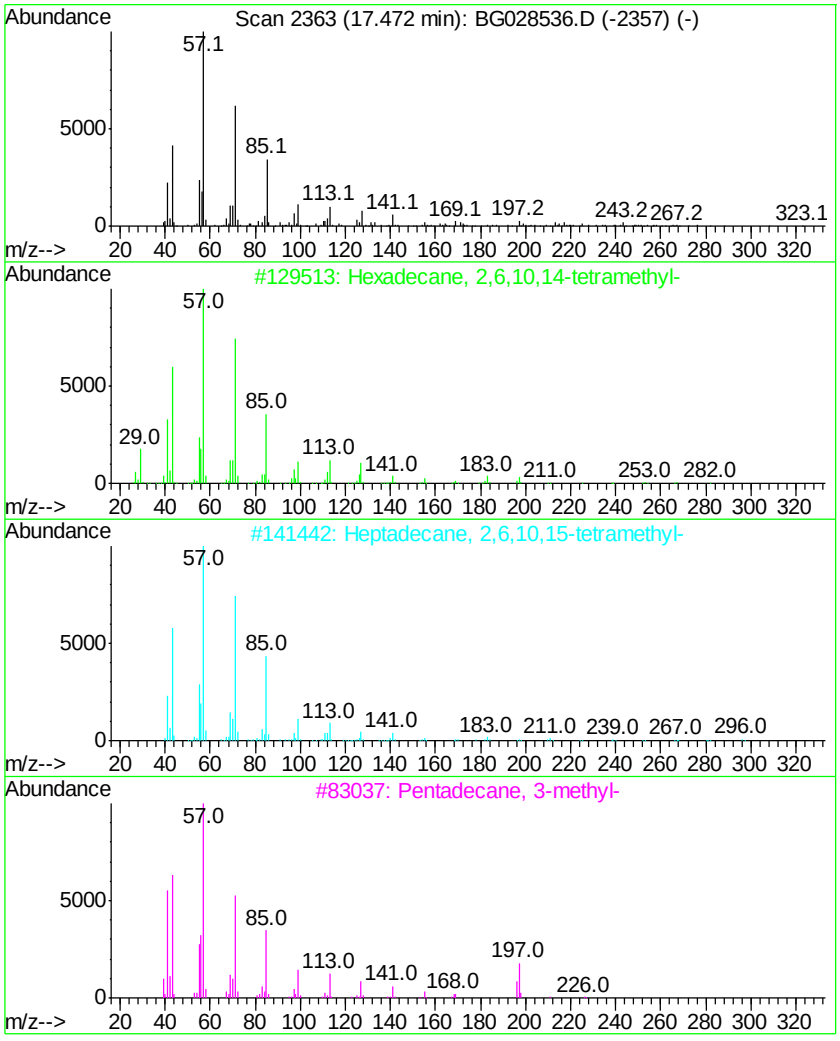
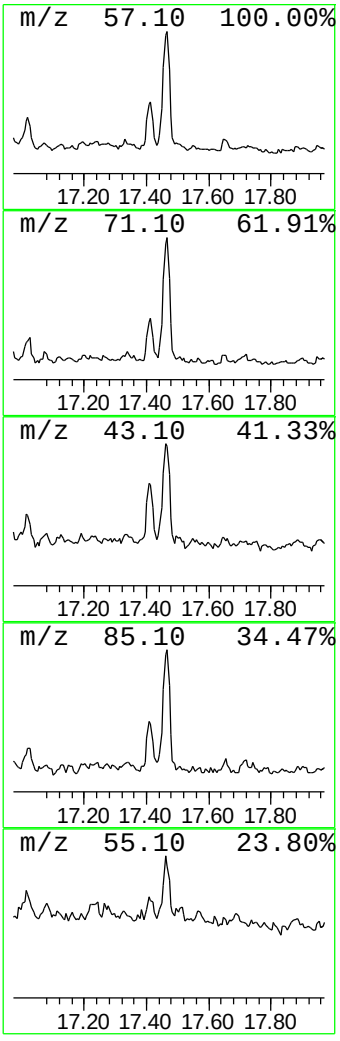
Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	13.83 ng/ul	640581	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	94
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3	Pentadecane, 3-methyl-	226	C16H34	002882-96-4	86
4	Eicosane	282	C20H42	000112-95-8	86
5	Hexadecane	226	C16H34	000544-76-3	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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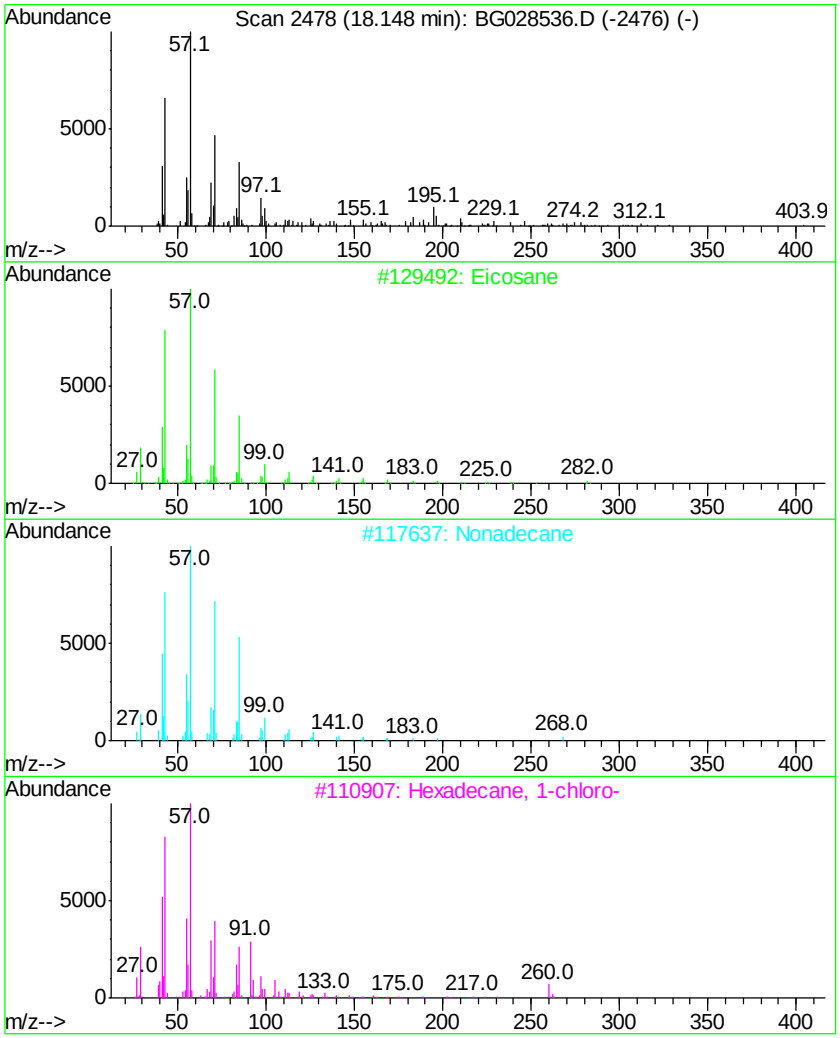
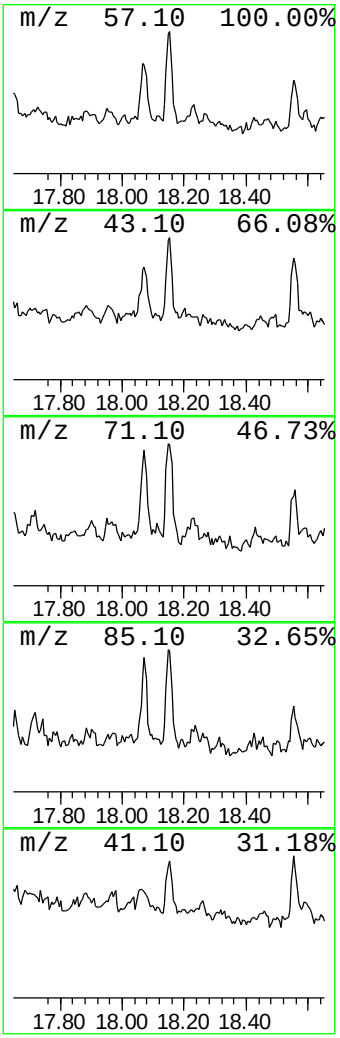
Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	7.20 ng/ul	333465	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Nonadecane	268	C19H40	000629-92-5	83
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	76
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	62
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

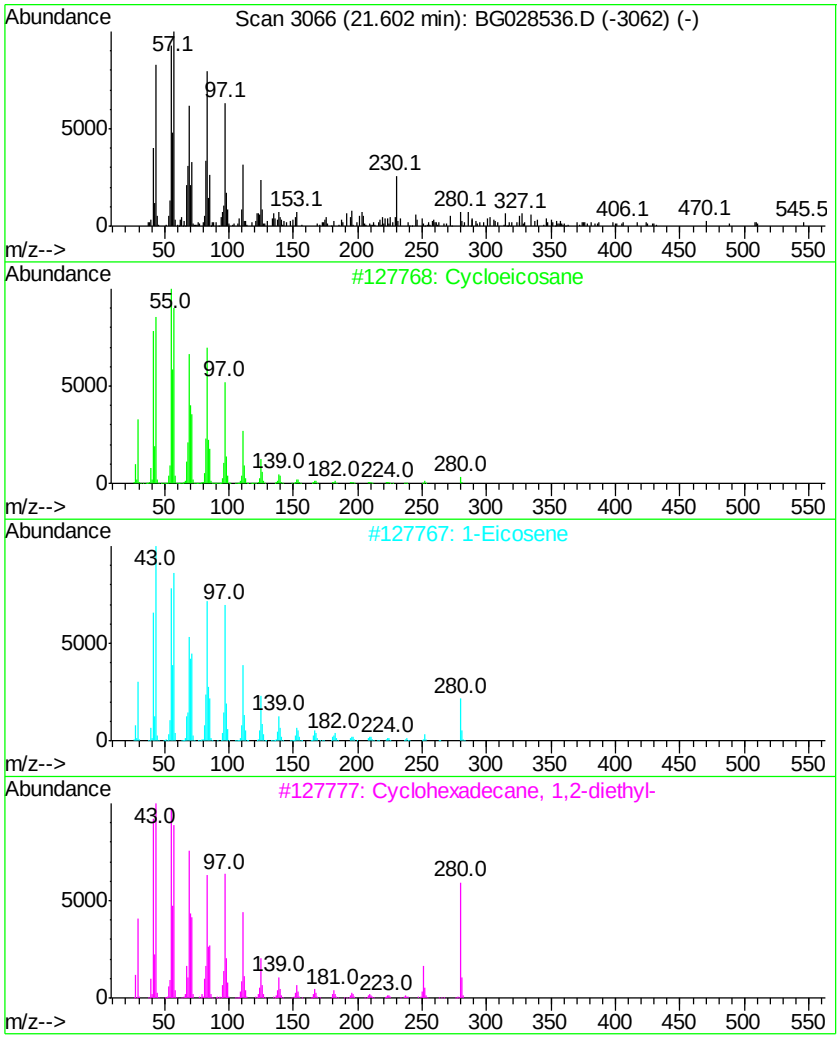
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

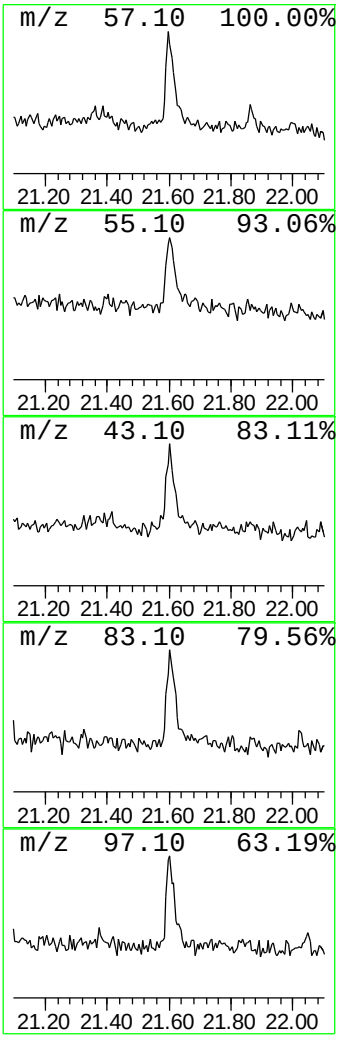
****

Peak Number 74 (DEL) Alkane: Cyclic21.60 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	4.71 ng/ul	287498	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	89
2	1-Eicosene	280	C20H40	003452-07-1	83
3	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	78
4	1-Docosene	308	C22H44	001599-67-3	78
5	1-Octadecene	252	C18H36	000112-88-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082817\
Data File : BG028536.D
Acq On : 29 Aug 2017 2:28
Operator : SJ/JU
Sample : I4905-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0B16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
(DEL) Alkane: Str...	7.31	7.3	ng/ul	171120	1	8.34	471343	20.0
Sulfurous acid, d...	8.29	18.6	ng/ul	437754	1	8.34	471343	20.0
unknown-01	8.49	6.1	ng/ul	144211	1	8.34	471343	20.0
unknown-02	8.83	6.9	ng/ul	161846	1	8.34	471343	20.0
(DEL) Alkane: Cyc...	8.89	16.5	ng/ul	387986	1	8.34	471343	20.0
Benzene, 1,2-diet...	8.97	10.7	ng/ul	251712	1	8.34	471343	20.0
Naphthalene, deca...	9.18	20.5	ng/ul	482180	1	8.34	471343	20.0
Benzene, 4-ethyl-...	9.43	29.3	ng/ul	690972	1	8.34	471343	20.0
(DEL) Alkane: Cyc...	9.68	17.3	ng/ul	406938	1	8.34	471343	20.0
(DEL) Alkane: Str...	9.79	5.3	ng/ul	319442	2	11.16	1199150	20.0
(DEL) Alkane: Str...	9.89	3.7	ng/ul	223842	2	11.16	1199150	20.0
(DEL) Alkane: Str...	9.96	7.4	ng/ul	442007	2	11.16	1199150	20.0
Tricyclo[3.3.1.1(...	10.02	4.6	ng/ul	275548	2	11.16	1199150	20.0
trans-Decalin, 2-...	10.07	7.7	ng/ul	460948	2	11.16	1199150	20.0
Naphthalene, deca...	10.33	10.9	ng/ul	653920	2	11.16	1199150	20.0
Oxalic acid, cycl...	10.46	4.8	ng/ul	288596	2	11.16	1199150	20.0
3-Phenylbut-1-ene	10.54	6.5	ng/ul	387381	2	11.16	1199150	20.0
(DEL) Alkane: Str...	10.64	2.1	ng/ul	123224	2	11.16	1199150	20.0
unknown-03	10.72	3.4	ng/ul	201652	2	11.16	1199150	20.0
(DEL) Alkane: Str...	10.85	5.3	ng/ul	316764	2	11.16	1199150	20.0
Cyclohexene, 1,6-...	10.92	3.0	ng/ul	178905	2	11.16	1199150	20.0
Cyclohexene, 2-et...	11.03	4.1	ng/ul	248000	2	11.16	1199150	20.0
1,3,5-Trimethylad...	11.35	8.4	ng/ul	504553	2	11.16	1199150	20.0
Sulfurous acid, b...	11.50	3.8	ng/ul	226757	2	11.16	1199150	20.0
unknown-04	11.57	2.5	ng/ul	147279	2	11.16	1199150	20.0
(DEL) Alkane: Cyc...	11.64	6.2	ng/ul	372135	2	11.16	1199150	20.0
1,4-Dimethyladama...	11.70	2.9	ng/ul	176273	2	11.16	1199150	20.0
1,3-Diethyladaman...	11.78	2.8	ng/ul	168869	2	11.16	1199150	20.0
unknown-05	11.84	17.3	ng/ul	1035670	2	11.16	1199150	20.0
2-Piperidinone, N...	11.95	5.0	ng/ul	296789	2	11.16	1199150	20.0
unknown-06	12.05	6.2	ng/ul	368892	2	11.16	1199150	20.0
Bacchotricuneatin c	12.14	28.8	ng/ul	1727050	2	11.16	1199150	20.0
unknown-07	12.18	8.7	ng/ul	520317	2	11.16	1199150	20.0
Naphthalene, 1,2,...	12.33	4.9	ng/ul	294821	2	11.16	1199150	20.0
(DEL) Alkane: Cyc...	12.41	10.4	ng/ul	621263	2	11.16	1199150	20.0
(DEL) Alkane: Str...	12.65	8.1	ng/ul	483985	2	11.16	1199150	20.0
(DEL) Alkane: Cyc...	12.94	6.4	ng/ul	385166	2	11.16	1199150	20.0
(DEL) Alkane: Str...	13.46	44.6	ng/ul	1820280	3	14.96	816260	20.0
(DEL) Alkane: Str...	15.31	5.8	ng/ul	235419	3	14.96	816260	20.0
(DEL) Alkane: Str...	16.16	29.6	ng/ul	1209240	3	14.96	816260	20.0
(DEL) Alkane: Str...	16.64	46.9	ng/ul	2174640	4	17.71	926553	20.0
(DEL) Alkane: Str...	17.41	5.4	ng/ul	249402	4	17.71	926553	20.0
(DEL) Alkane: Str...	17.47	13.8	ng/ul	640581	4	17.71	926553	20.0
(DEL) Alkane: Str...	18.15	7.2	ng/ul	333465	4	17.71	926553	20.0
(DEL) Alkane: Cyc...	21.60	4.7	ng/ul	287498	5	22.04	1220370	20.0