LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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-BM052016.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	5.451	475	487	494	rBV	335186	602372	4.82%	0.250%
2	5.704	522	530	533	rBV	788656	1435353	11.49%	0.595%
3	5.816	542	549	555	rBV2	329857	577082	4.62%	0.239%
4	5.916	560	566	580	rBV4	599700	1802657	14.44%	0.748%
5	6.075	587	593	600	rBV	2148962	3492452	27.97%	1.448%
6	6.134	600	603	609	rVB3	92041	154870	1.24%	0.064%
7	6.222	609	618	624	rVB2	587111	1154914	9.25%	0.479%
8	6.287	624	629	637	rBV3	357540	696218	5.58%	0.289%
9	6.369	637	643	647	rBV	2219186	3777189	30.25%	1.567%
10	6.410	647	650	655	rVB	601098	923731	7.40%	0.383%
11	6.504	655	666	673	rBV3	2021851	4785728	38.32%	1.985%
12	6.634	682	688	693	rVB	1207002	1971184	15.79%	0.818%
13	6.698	693	699	703	rBV6	378824	784586	6.28%	0.325%
14	6.740	703	706	709	rVV2	216604	287215	2.30%	0.119%
15	6.781	709	713	717	rVV	731000	1074937	8.61%	0.446%
16	6.845	717	724	731	rVB3	1621588	3577480	28.65%	1.484%
17	6.916	731	736	741	rVB2	366145	706029	5.65%	0.293%
18	6.975	741	746	750	rBV2	703790	1334940	10.69%	0.554%
19	7.057	757	760	762	rBV	206872	236208	1.89%	0.098%
20	7.098	762	767	771	rVV2	1403487	2787495	22.32%	1.156%
21	7.151	771	776	782	rVV2	3060038	5798181	46.43%	2.405%
22	7.198	782	784	788	rVV2	437606	588153	4.71%	0.244%
23	7.322	788	805	810	rVV3	3336497	10273472	82.27%	4.261%
24	7.410	810	820	826	rVB4	3476387	9432586	75.54%	3.912%
25	7.492	826	834	839	rVB3	1126554	2298577	18.41%	0.953%
26	7.557	839	845	852	rBV3	1415187	3242970	25.97%	1.345%
27	7.639	852	859	865	rVB5	1869877	4220766	33.80%	1.751%
28	7.745	865	877	883	rBV3	4426265	10409666	83.36%	4.317%
29	7.810	884	888	891	rVV5	913484	1653544	13.24%	0.686%
30	7.839	891	893	897	rVV3	835355	1223546	9.80%	0.507%
31	7.892	897	902	906	rVV4	1100373	2109454	16.89%	0.875%
32	7.939	906	910	913	rVV	868176	1536851	12.31%	0.637%
33	7.992	913	919	926	rVB4	3026933	7185415	57.54%	2.980%
34	8.051	926	929	932	rBV2	489253	633143	5.07%	0.263%

LSC Area Percent Report

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Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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-BM052016.M
Title : SVOA CALIBRATION

35	8.092	932	936	946	rVB5	1098714	2423211	19.41%	1.005%
36	8.181	946	951	954	rBV3	631245	1184881	9.49%	0.491%
37	8.222	955	958	962	rVB3	844551	1288196	10.32%	0.534%
38	8.298	968	971	976	rVB4	249726	377856	3.03%	0.157%
39	8.369	976	983	986	rBV4	919201	1831754	14.67%	0.760%
40	8.451	994	997	999	rBV2	161282	216213	1.73%	0.090%
41	8.486	999	1003	1004	rBV4	313876	404549	3.24%	0.168%
42	8.522	1005	1009	1011	rBV	388990	619511	4.96%	0.257%
43	8.610	1021	1024	1030	rVB2	695540	1063937	8.52%	0.441%
44	8.692	1032	1038	1041	rBV3	1278906	2430892	19.47%	1.008%
45	8.781	1050	1053	1056	rVB3	439605	493103	3.95%	0.205%
46	8.869	1063	1068	1071	rBV2	1051999	1896796	15.19%	0.787%
47	9.069	1097	1102	1108	rVB7	784904	1936782	15.51%	0.803%
48	9.151	1108	1116	1125	rBV5	964404	2362639	18.92%	0.980%
49	9.269	1126	1136	1143	rBV4	971572	2454827	19.66%	1.018%
50	9.345	1143	1149	1153	rBV2	850331	1663852	13.32%	0.690%
51	9.398	1153	1158	1167	rVB2	663455	1456100	11.66%	0.604%
52	9.481	1168	1172	1174	rBV4	387054	643340	5.15%	0.267%
53	9.645	1193	1200	1203	rBV3	1055984	2305136	18.46%	0.956%
54	9.686	1203	1207	1218	rVB8	1407685	4047829	32.42%	1.679%
55	9.786	1218	1224	1229	rBV6	607301	1341765	10.75%	0.556%
56	9.892	1238	1242	1244	rBV3	371090	579052	4.64%	0.240%
57	10.063	1267	1271	1275	rVB5	779512	1367473	10.95%	0.567%
58	10.310	1308	1313	1314	rBV4	707143	1137082	9.11%	0.472%
59	10.339	1315	1318	1322	rVV3	1013766	1854279	14.85%	0.769%
60	10.392	1323	1327	1331	rVB	981305	1804127	14.45%	0.748%
61	10.575	1353	1358	1362	rBV2	1868376	3711047	29.72%	1.539%
62	10.622	1363	1366	1373	rVB4	2370114	4228995	33.87%	1.754%
63	10.692	1374	1378	1381	rBV3	706085	1147105	9.19%	0.476%
64	10.816	1396	1399	1403	rBV4	637200	956868	7.66%	0.397%
65	11.022	1427	1434	1442	rBV5	1347197	3194751	25.58%	1.325%
66	11.104	1442	1448	1453	rVB2	2564379	4433961	35.51%	1.839%
67	11.286	1473	1479	1487	rVB5	2105961	5122684	41.02%	2.125%
68	11.369	1487	1493	1499	rBV4	1414293	3620932	29.00%	1.502%
69	11.445	1501	1506	1509	rBV3	1298412	2612009	20.92%	1.083%
70	11.669	1539	1544	1548	rBV3	2478676	4411205	35.33%	1.829%
71	11.804	1561	1567	1574	rBV2	2293882	4673595	37.43%	1.938%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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-BM052016.M
Title : SVOA CALIBRATION

72	11.904	1578	1584	1588	rVB	3532826	6364605	50.97%	2.640%
73	12.039	1603	1607	1610	rBV2	923098	1427097	11.43%	0.592%
74	12.351	1655	1660	1666	rBV4	1354879	2861639	22.92%	1.187%
75	12.439	1671	1675	1679	rBV2	1340978	2322725	18.60%	0.963%
76	12.663	1708	1713	1718	rBV4	1316404	2546666	20.39%	1.056%
77	12.810	1734	1738	1742	rBV5	666722	1280092	10.25%	0.531%
78	12.892	1748	1752	1758	rVB3	1885004	3240611	25.95%	1.344%
79	13.263	1812	1815	1820	rVB	2205119	3233944	25.90%	1.341%
80	13.857	1913	1916	1921	rBV2	780691	1252613	10.03%	0.520%
81	14.145	1962	1965	1968	rBV	837788	1107120	8.87%	0.459%
82	14.286	1985	1989	1995	rVB3	1065479	1837002	14.71%	0.762%
83	14.451	2014	2017	2025	rVB2	1181138	1793269	14.36%	0.744%
84	15.439	2182	2185	2190	rVB	1399911	1946642	15.59%	0.807%
85	15.492	2191	2194	2200	rVV3	670159	1177288	9.43%	0.488%
86	17.198	2481	2484	2487	rBV2	646564	928510	7.44%	0.385%
87	17.239	2487	2491	2496	rVB	2667827	3792030	30.37%	1.573%
88	18.956	2780	2783	2786	rVB	1748381	2095387	16.78%	0.869%
89	19.274	2831	2837	2842	rBV	6671904	10276629	82.30%	4.262%
90	19.639	2895	2899	2906	rVB	7411026	12487294	100.00%	5.179%
91	21.380	3192	3195	3200	rVV2	2925074	4141547	33.17%	1.718%
92	21.433	3201	3204	3211	rVB	3791622	4935461	39.52%	2.047%

Sum of corrected areas: 241115469

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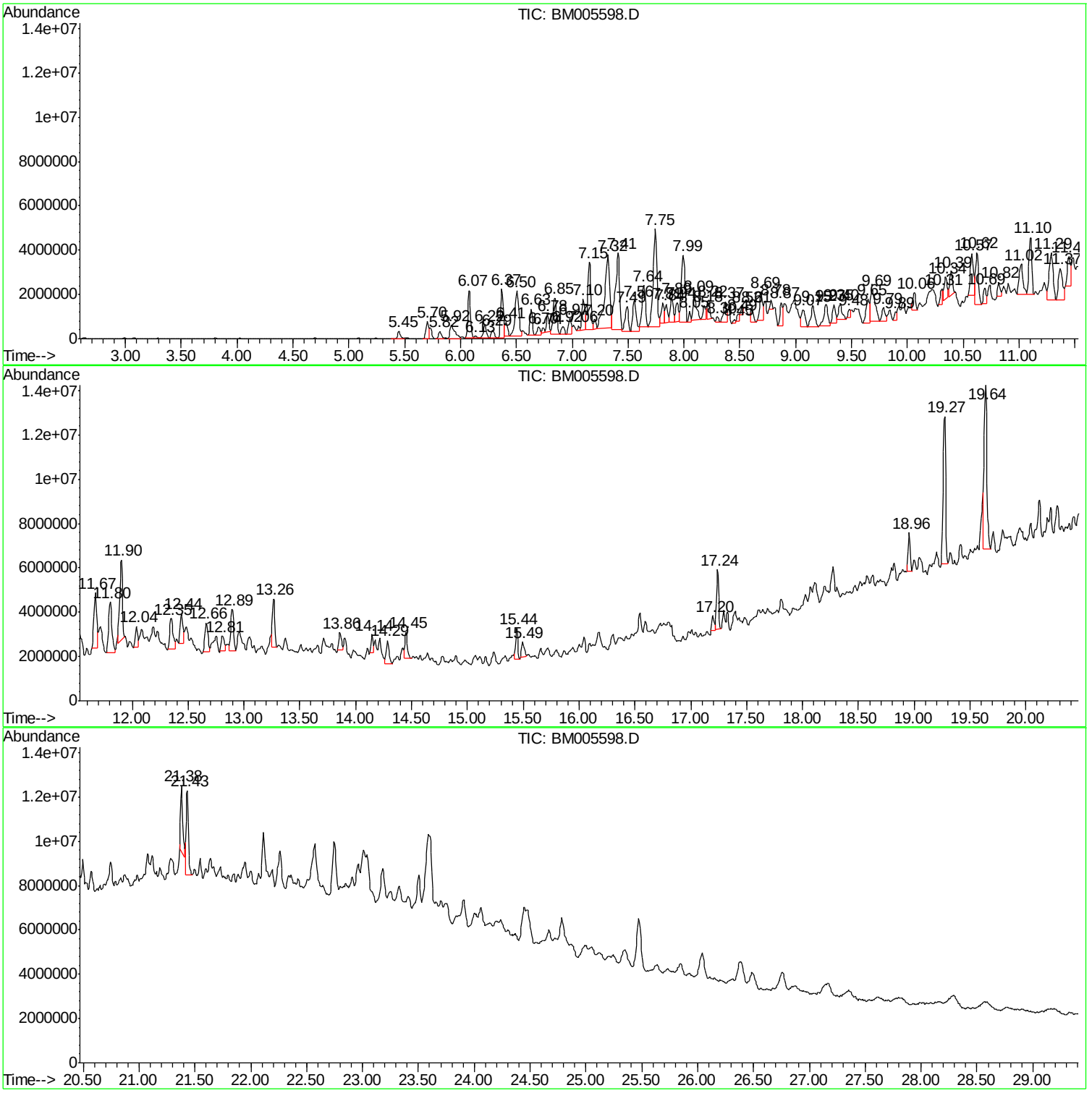
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
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Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

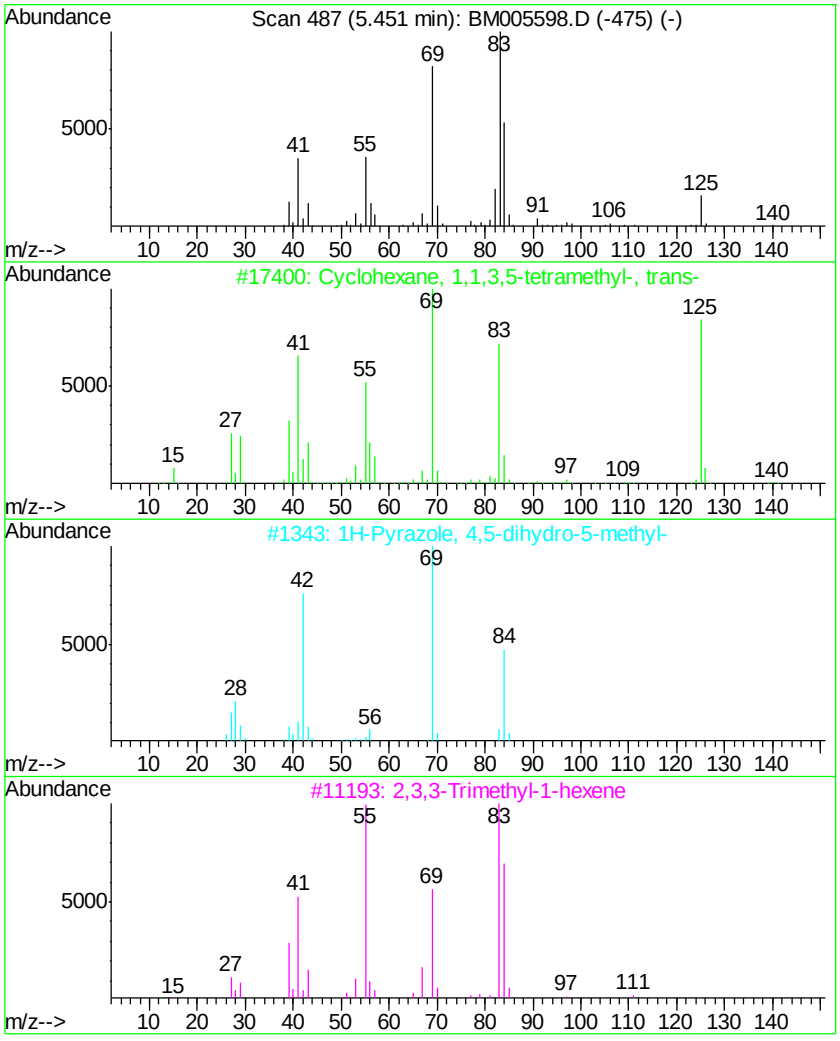
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

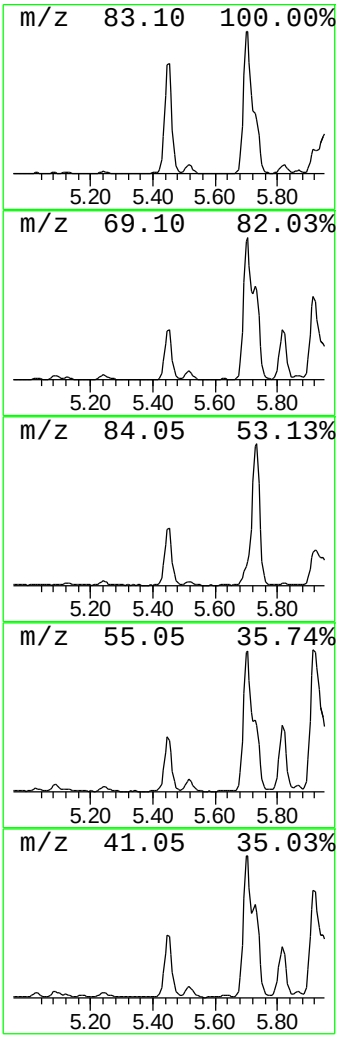
****

Peak Number 1 (DEL) Alkane: Cyclic-5.45 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	7.29 ng/ul	602372	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
2	1H-Pyrazole, 4,5-dihydro-5-methyl-	84	C4H8N2	001568-20-3	38
3	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	38
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	37
5	Bicyclo[2.2.2]octan-1-amine	125	C8H15N	001193-42-6	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

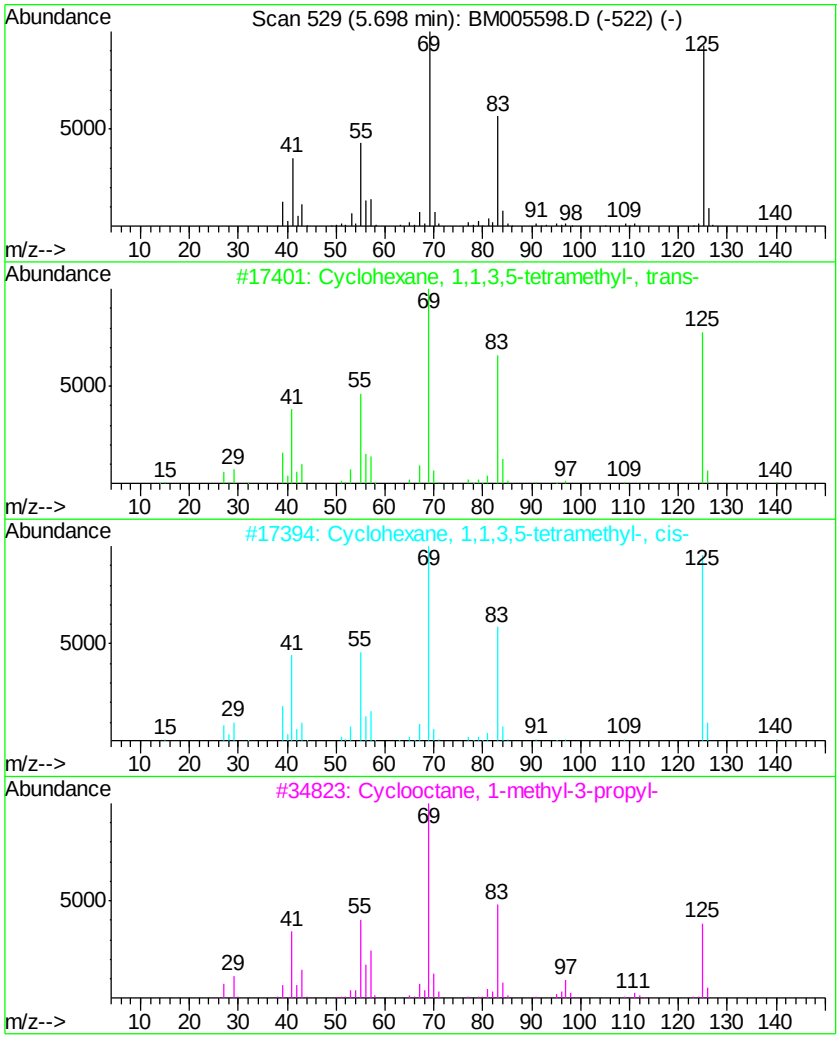
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

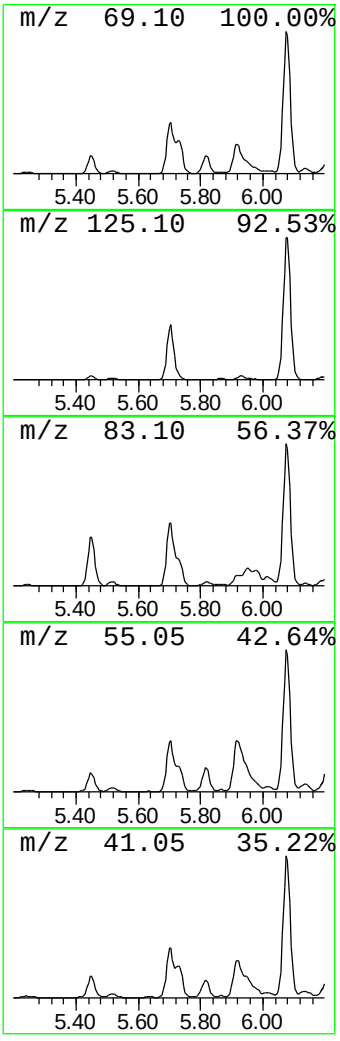
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic-5.70 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	17.36 ng/ul	1435350	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	94
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	90
3	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	74
4	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	72
5	Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	56





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

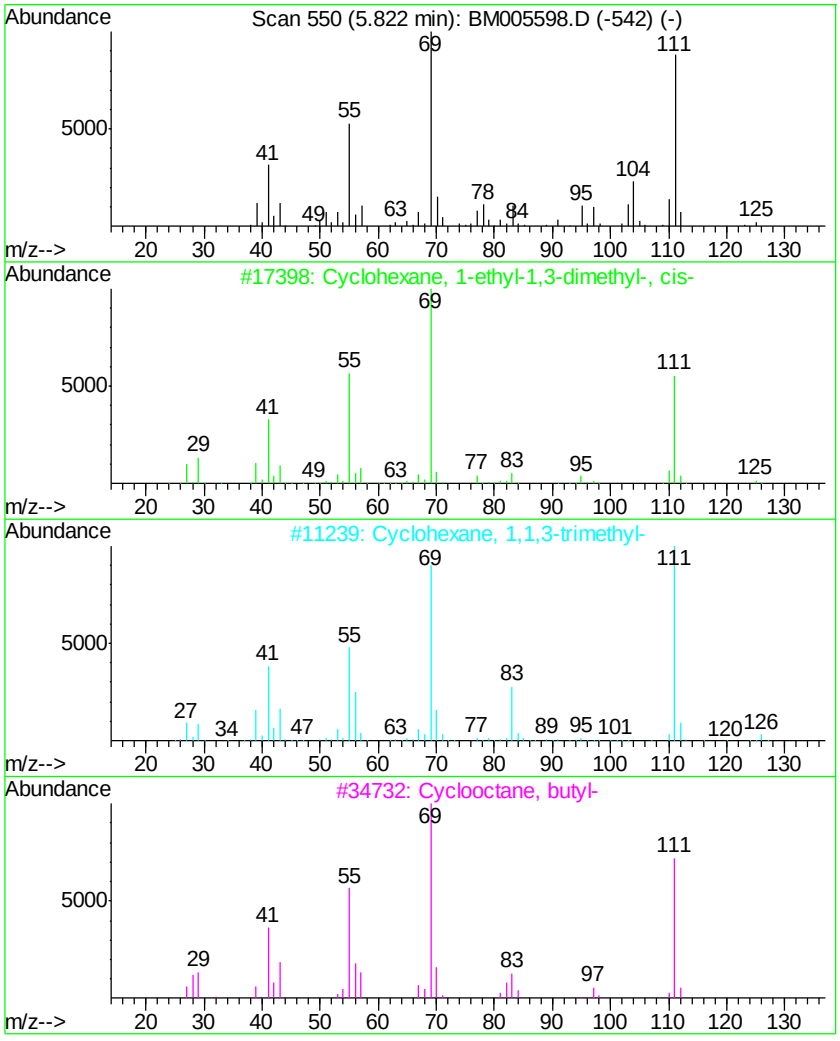
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

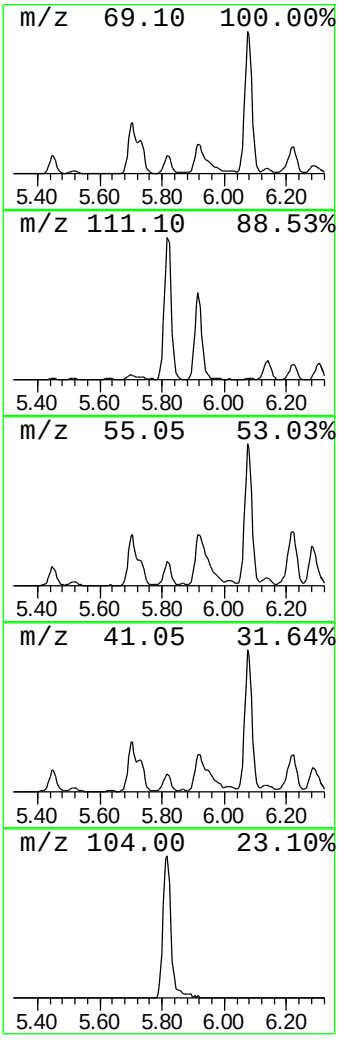
****

Peak Number 3 (DEL) Alkane: Cyclic-5.82 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	6.98 ng/ul	577082	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	59
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	53
4	3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	53
5	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	53





Library Search Compound Report

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Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

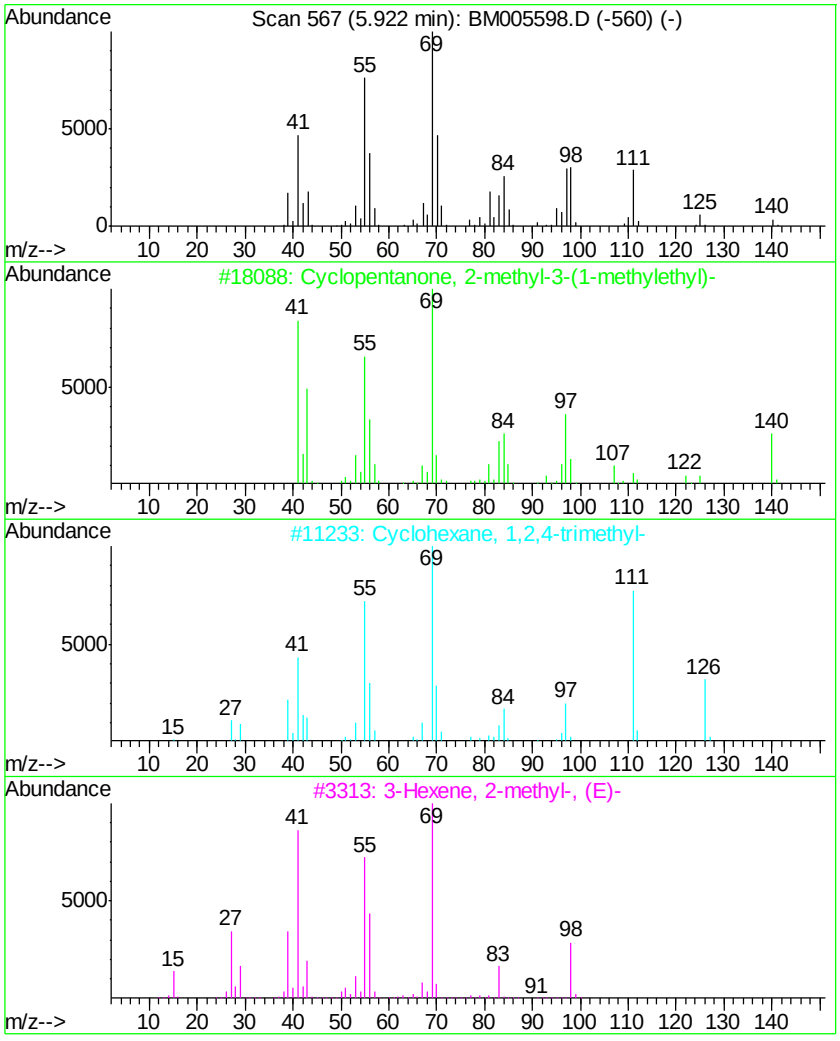
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

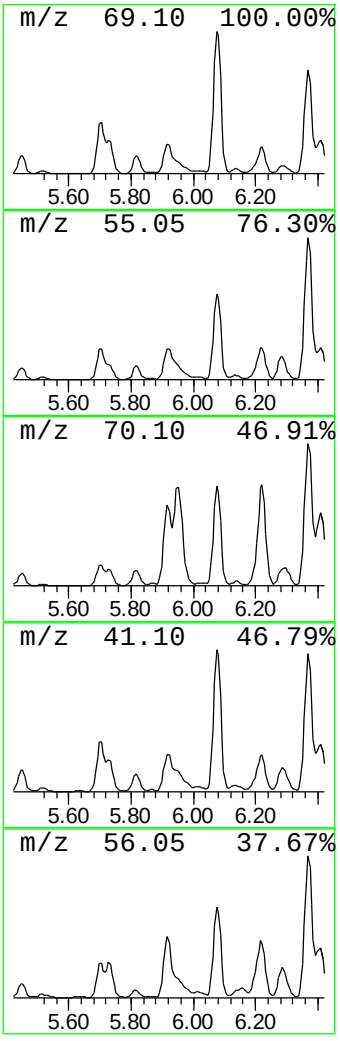
****

Peak Number 4 Cyclopentanone, 2-methyl-3-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	21.80 ng/ul	1802660	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	64
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	59
3	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	55
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	53
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	53





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Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

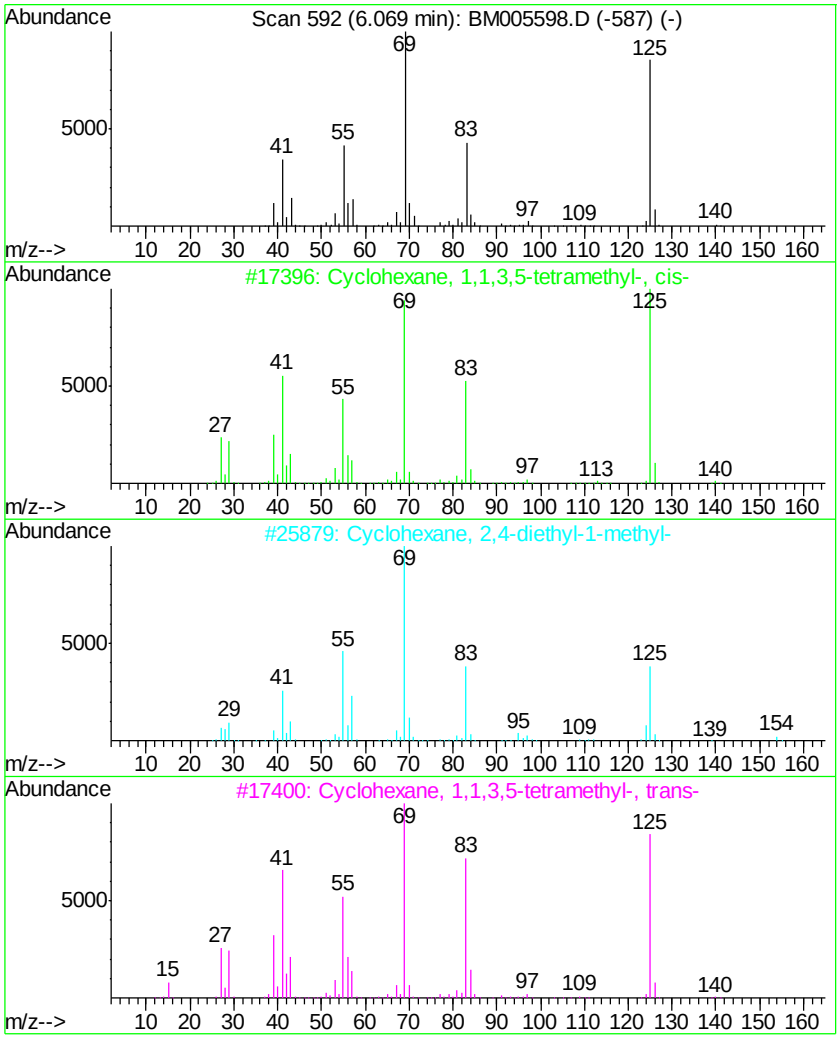
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

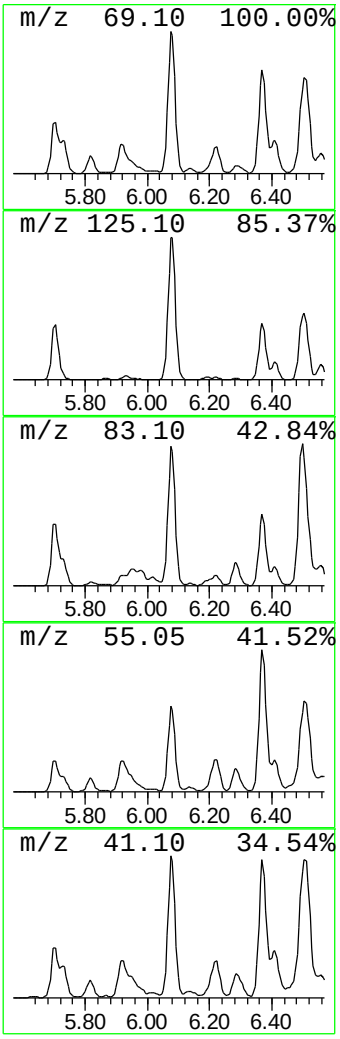
****

Peak Number 5 (DEL) Alkane: Cyclic-6.07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	42.24 ng/ul	3492450	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	87
2	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	74
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	59
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43





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Sample : H3087-16
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK9

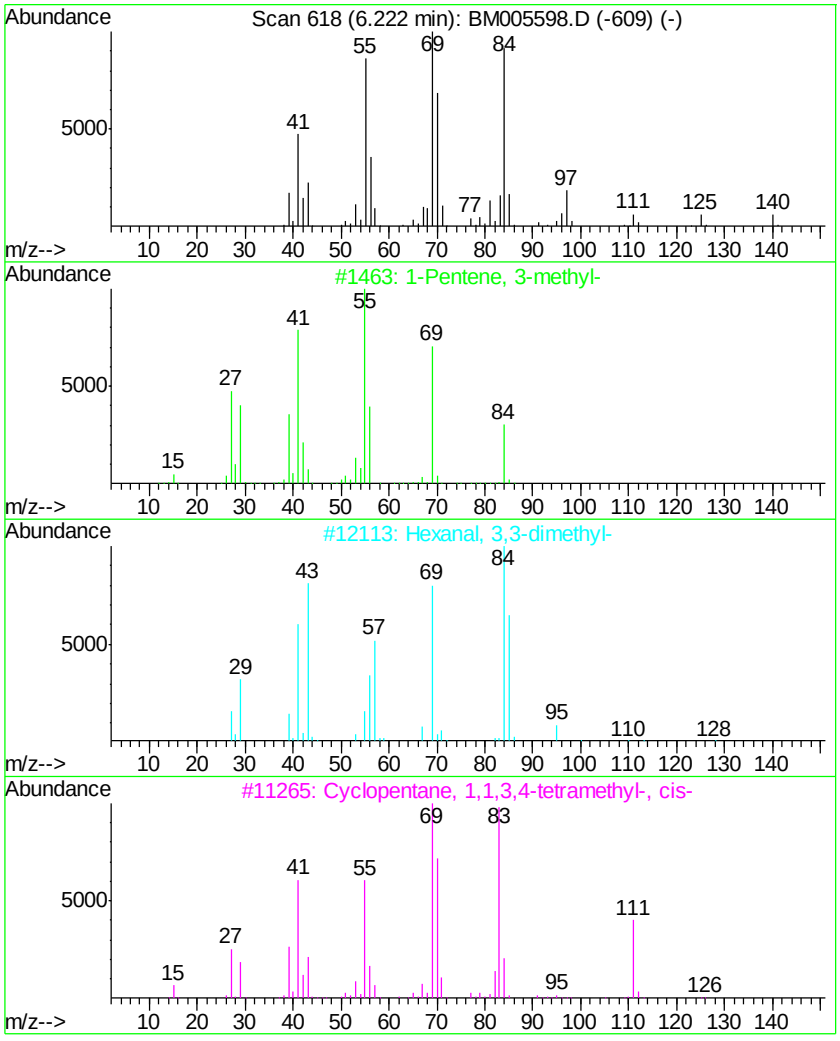
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

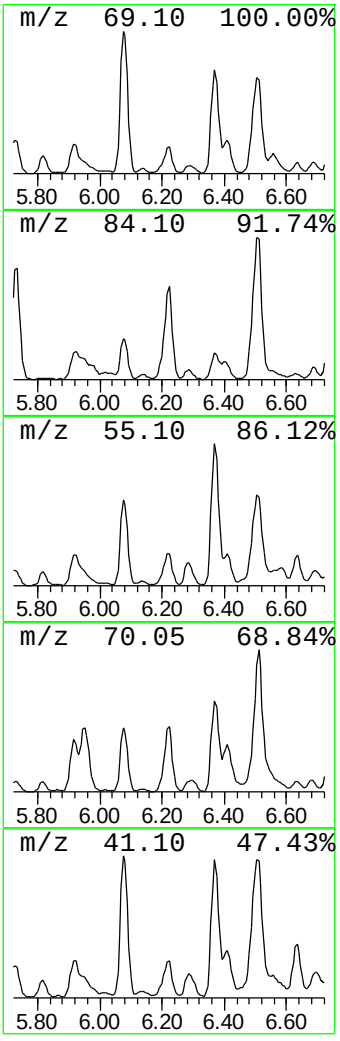
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic-6.22 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	13.97 ng/ul	1154910	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	59
2	Hexanal, 3,3-dimethyl-	128	C8H16O	055320-57-5	50
3	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	49
4	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	49
5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	46





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Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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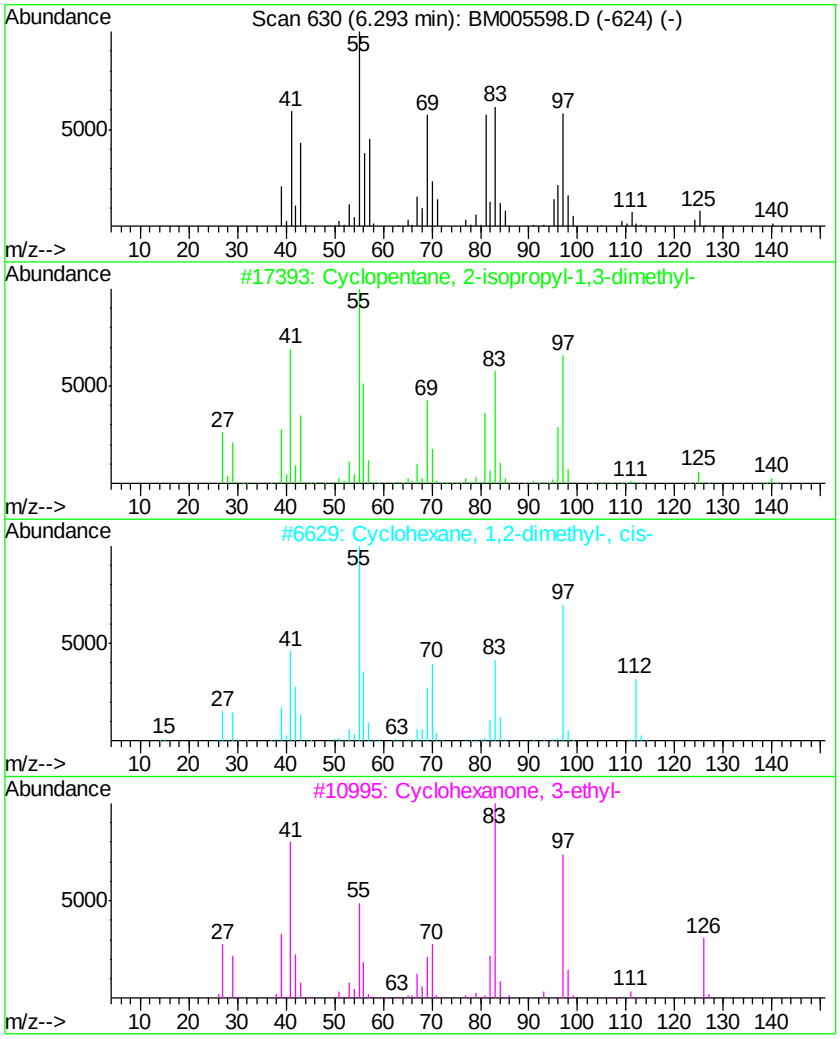
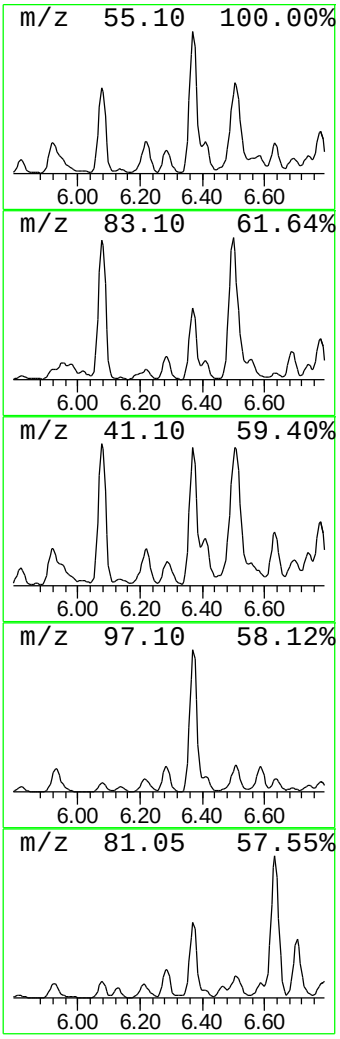
Peak Number 7 (DEL) Alkane: Cyclic-6.29 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	8.42 ng/ul	696218	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	90
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	59
3	Cyclohexanone, 3-ethyl-	126	C8H14O	022461-89-8	47
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43
5	2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	38





Library Search Compound Report

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Sample : H3087-16
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ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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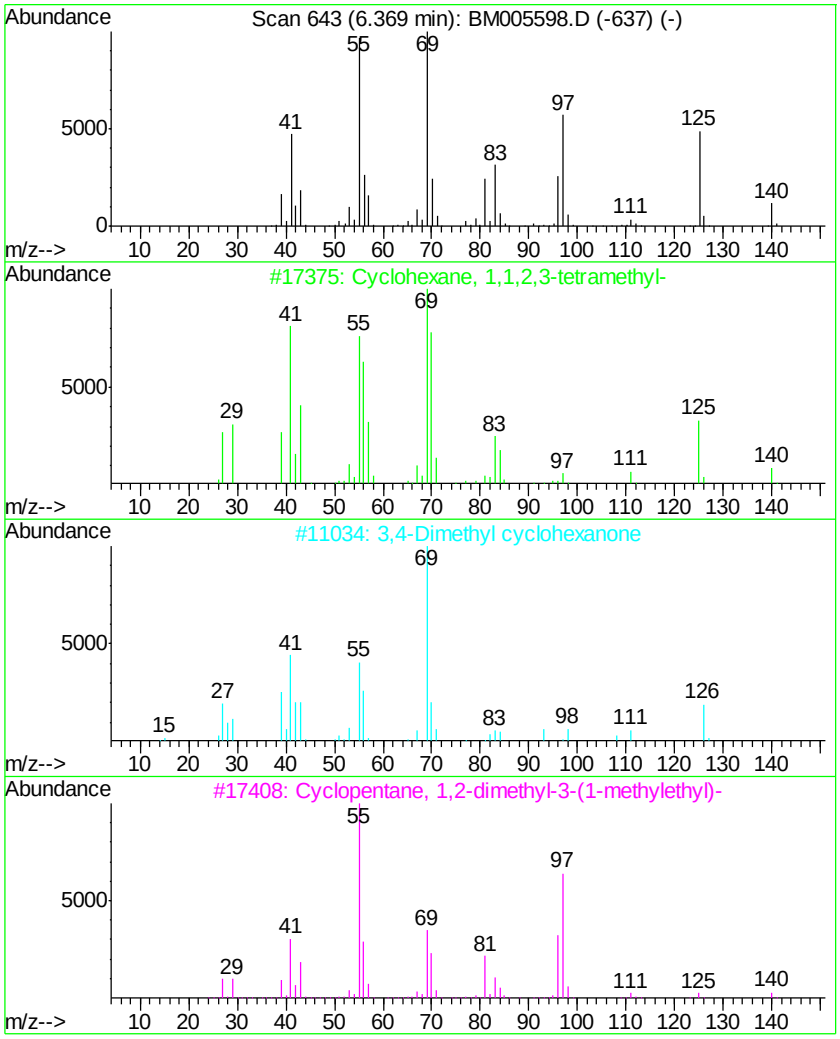
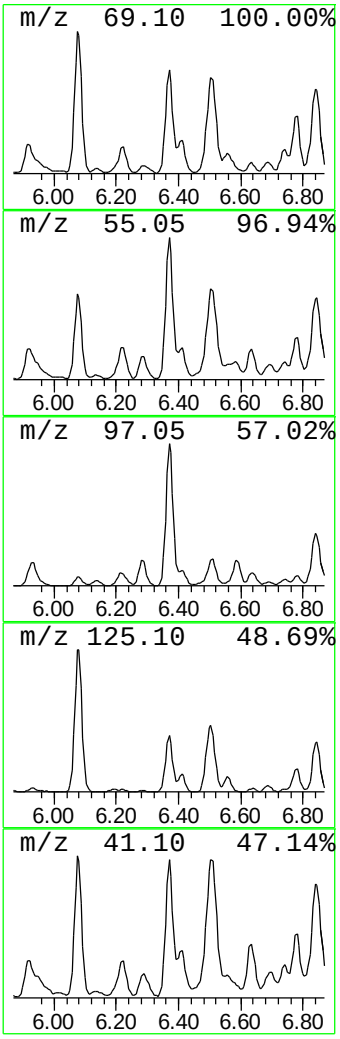
Peak Number 8 (DEL) Alkane: Cyclic-6.37 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	45.69 ng/ul	3777190	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	46
2	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	43
3	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	38
4	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	38
5	Cyclohexane, 1-isopropyl-3-methy...	140	C10H20	1000158-54-3	30





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ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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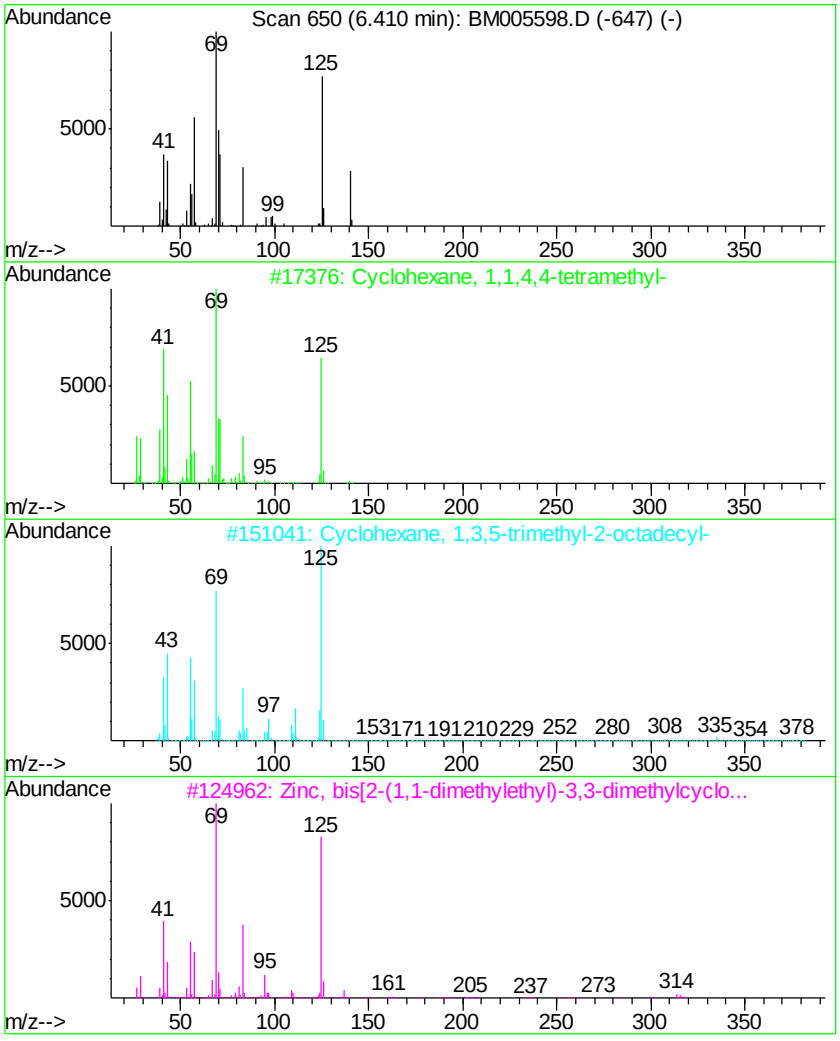
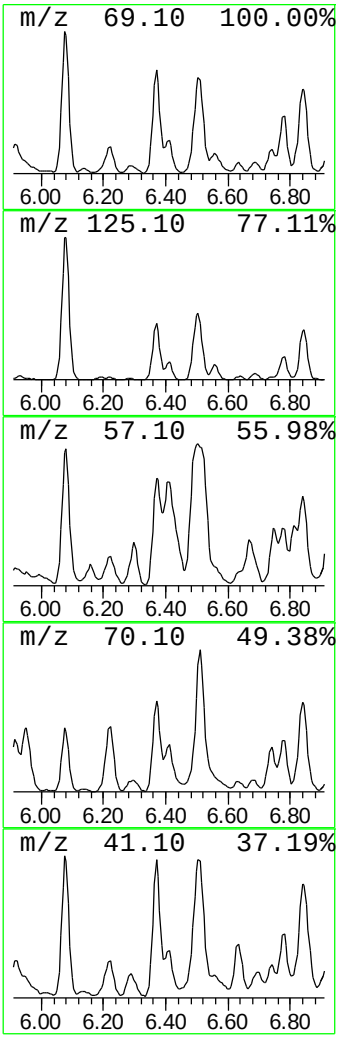
Peak Number 9 (DEL) Alkane: Cyclic-6.41 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	11.17 ng/ul	923731	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	64
2	Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	45
3	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	42
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	37





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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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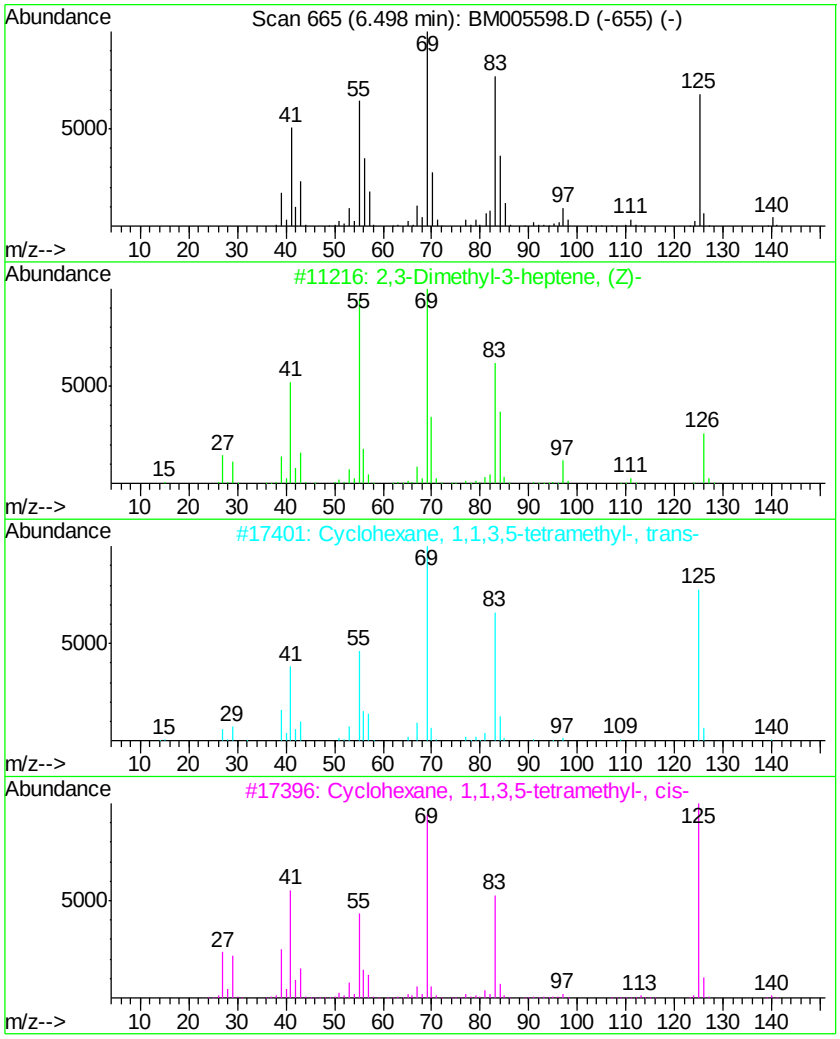
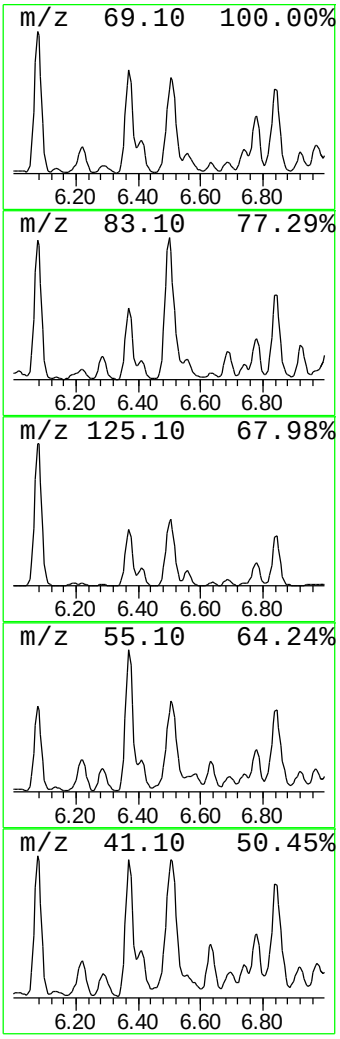
Peak Number 10 (DEL) Alkane: Cyclic-6.50 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	57.88 ng/ul	4785730	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	68
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	59
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	53
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	53
5	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	52





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BNA_M
ClientSampleId :
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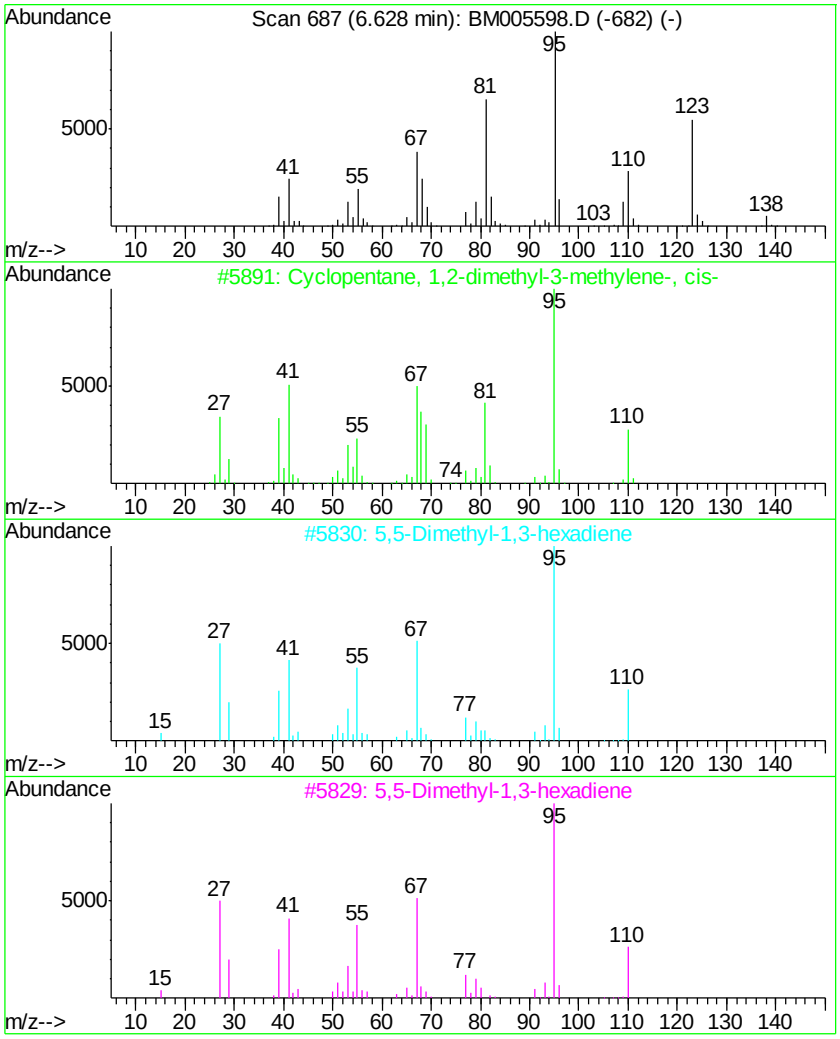
Quant Title : SVOA CALIBRATION

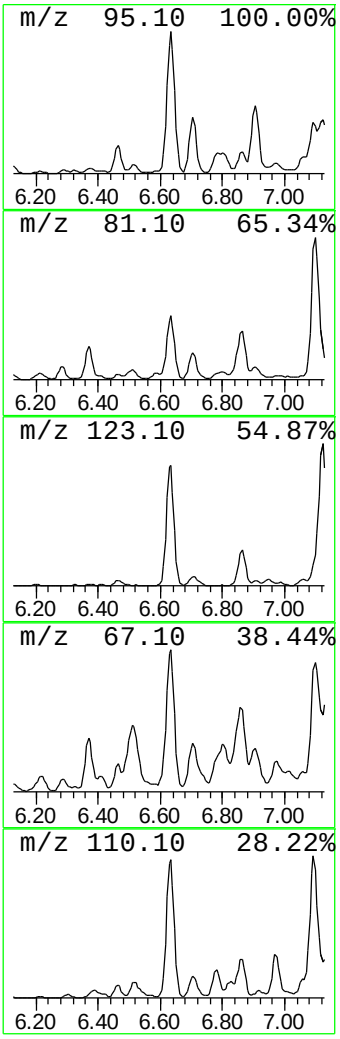
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Branched-6.63 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	23.84 ng/ul	1971180	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	58
2	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	53
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	53
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	53
5	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	53





Library Search Compound Report

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Sample : H3087-16
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Quant Title : SVOA CALIBRATION

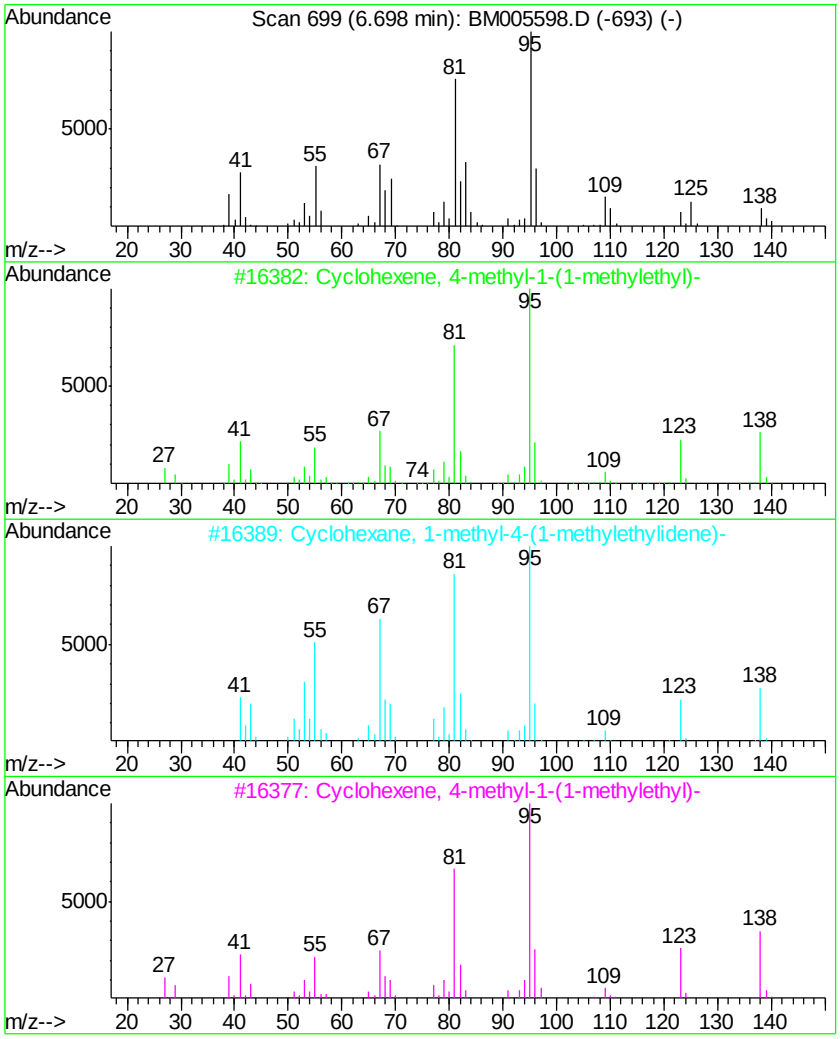
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

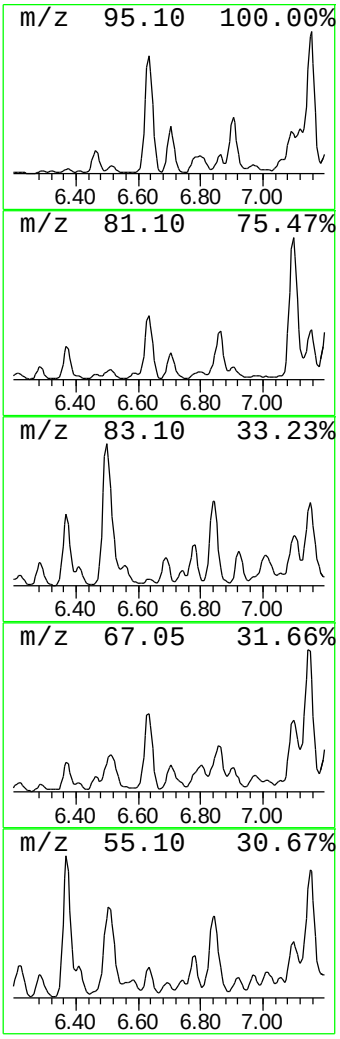
****

Peak Number 12 (DEL) Alkane: Branched-6.70 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	9.49 ng/ul	784586	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	80
2	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	74
3	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	74
4	Spiro[3.4]octan-1-one, 5-methyl-...	138	C9H14O	065147-55-9	52
5	2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	52





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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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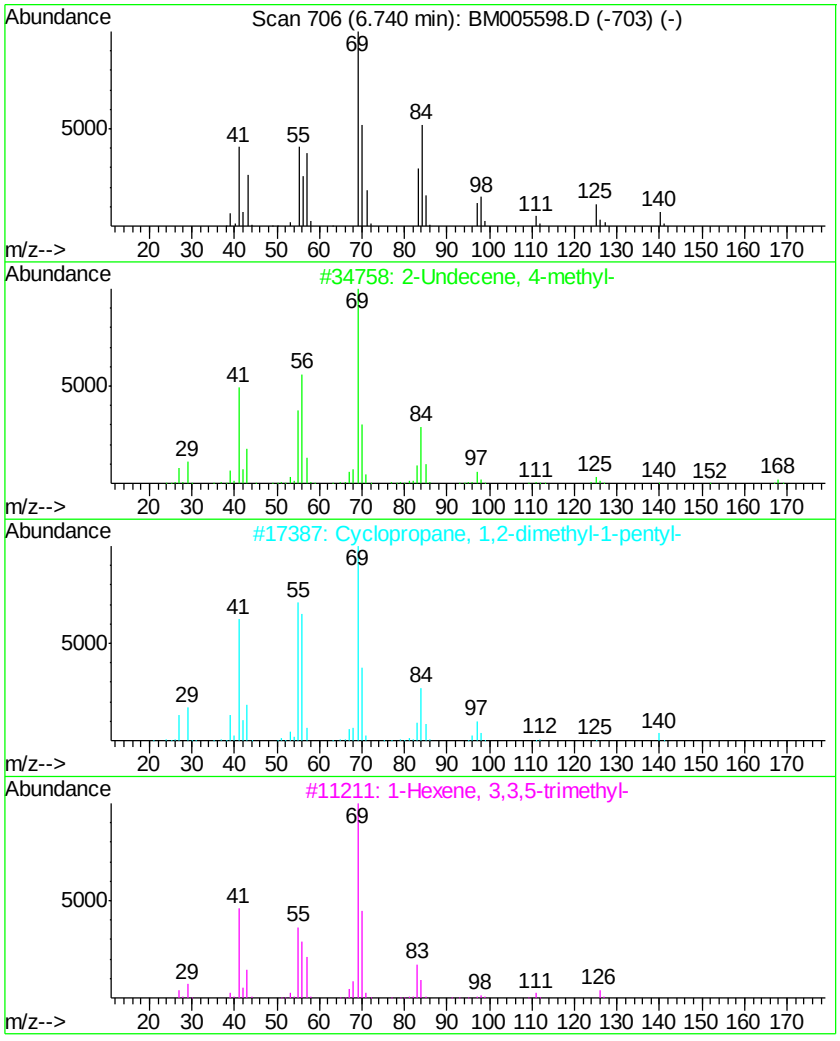
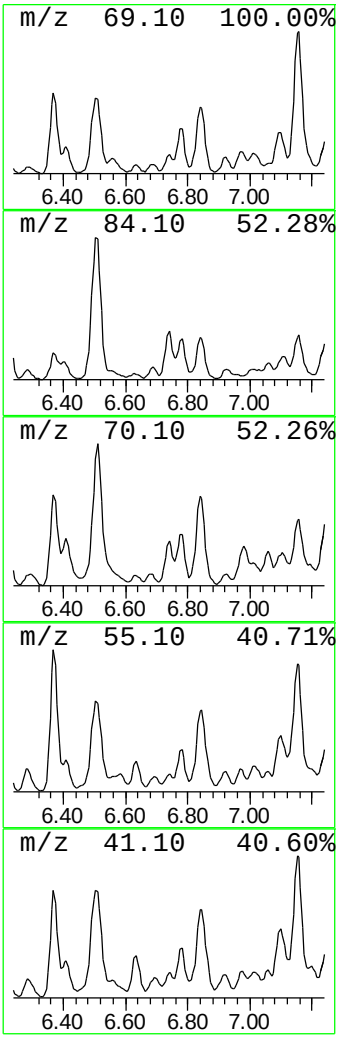
Peak Number 13 (DEL) Alkane: Cyclic-6.74 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	3.47 ng/ul	287215	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 4-methyl-	168	C12H24	091695-32-8	59
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	53
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	52
4	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	50
5	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	50





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Sample : H3087-16
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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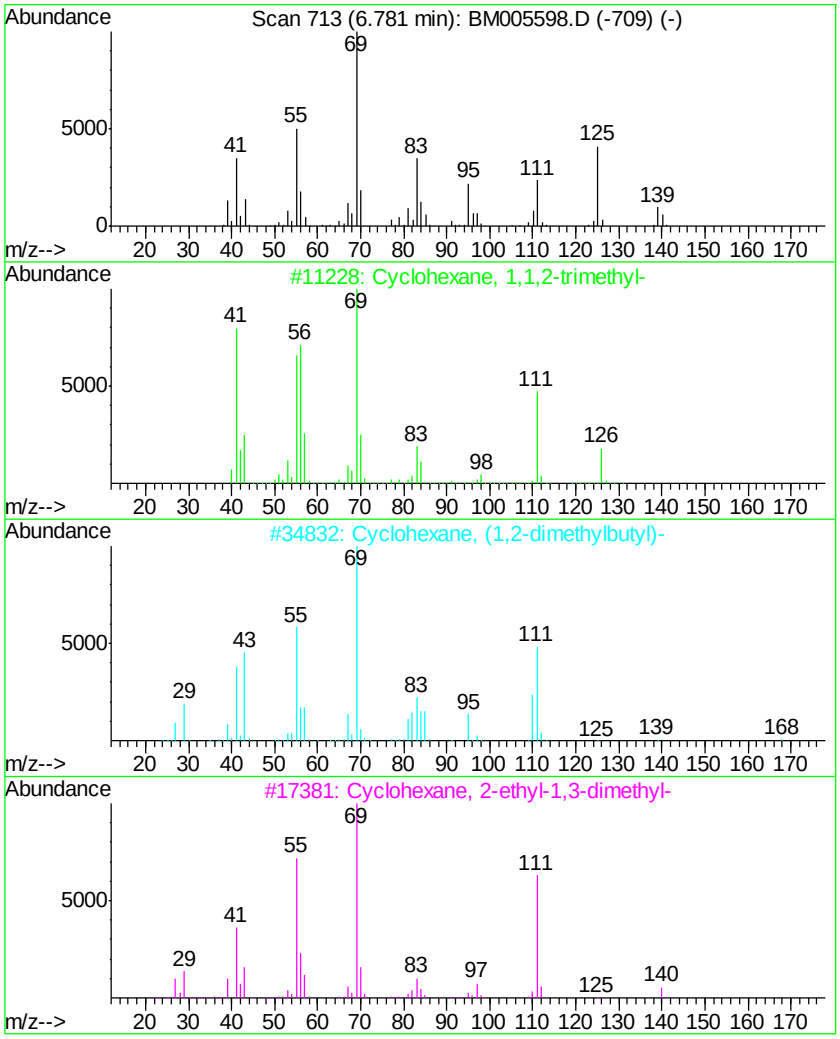
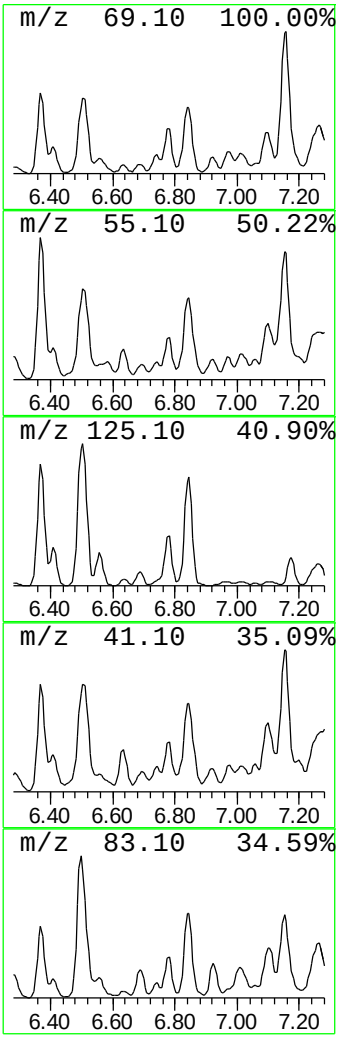
Peak Number 14 (DEL) Alkane: Cyclic-6.78 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	13.00 ng/ul	1074940	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	46
2	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	43
3	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	43
4	3-Ethyl-4-octene	140	C10H20	019781-32-9	43
5	3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	43





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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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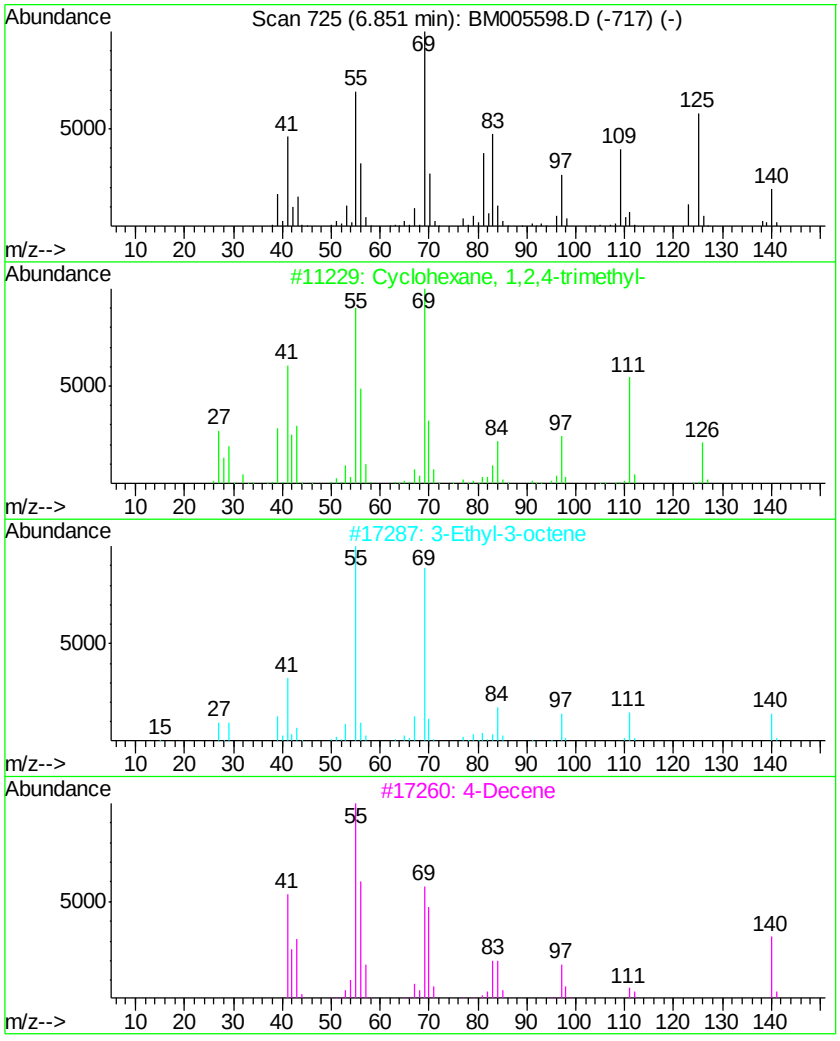
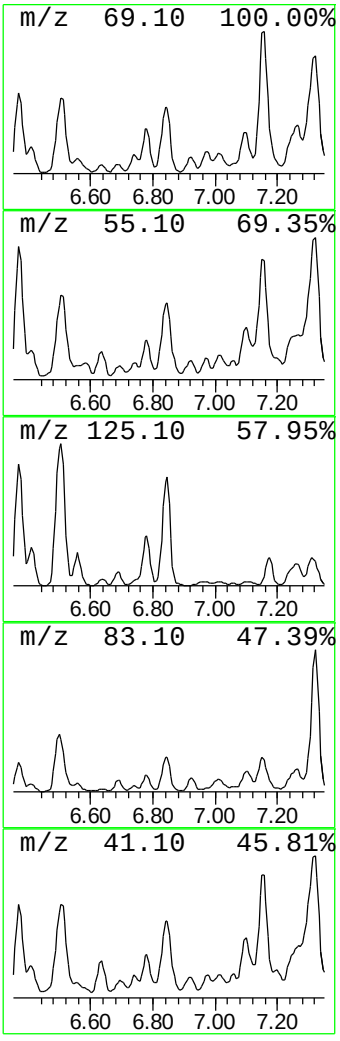
Peak Number 15 (DEL) Alkane: Cyclic-6.85 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	43.27 ng/ul	3577480	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	46
2	3-Ethyl-3-octene	140	C10H20	019781-31-8	38
3	4-Decene	140	C10H20	019689-18-0	25
4	5-Decene, (E)-	140	C10H20	007433-56-9	25
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	22





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Quant Title : SVOA CALIBRATION

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

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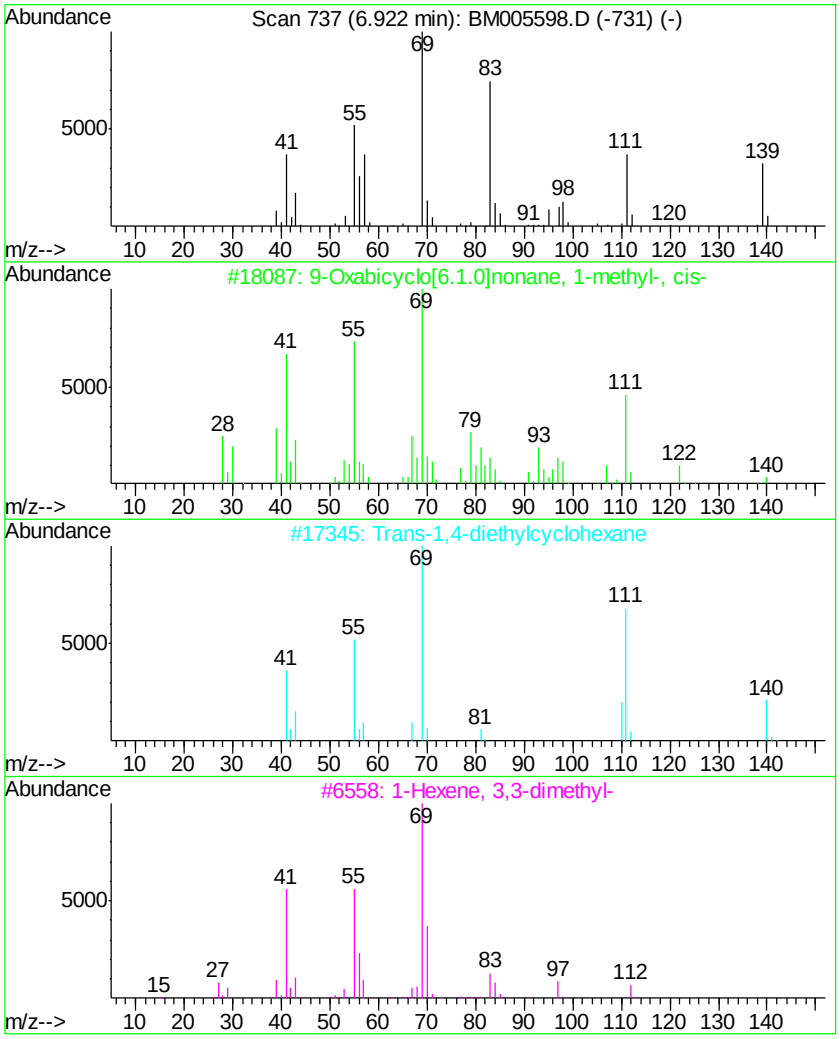
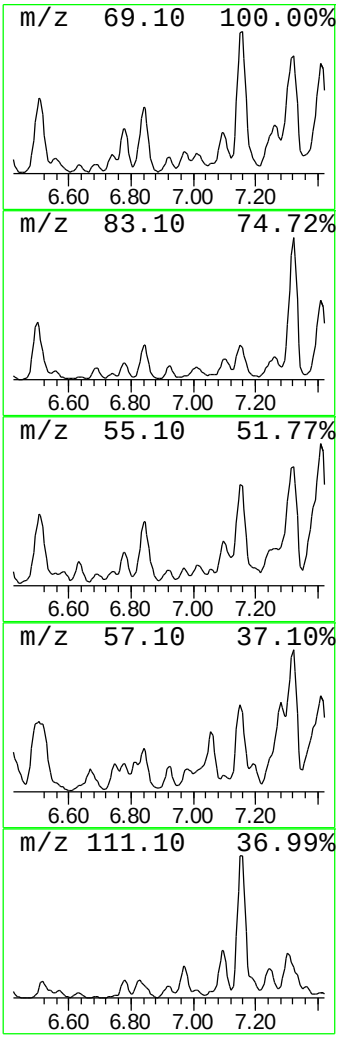
Peak Number 16 unknown-01 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	8.54 ng/ul	706029	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Oxabicyclo[6.1.0]nonane, 1-met...	140	C9H16O	052954-47-9	38
2	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	38
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38
4	1-Hexyn-3-ol, 3,5-dimethyl-	126	C8H14O	000107-54-0	38
5	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	27





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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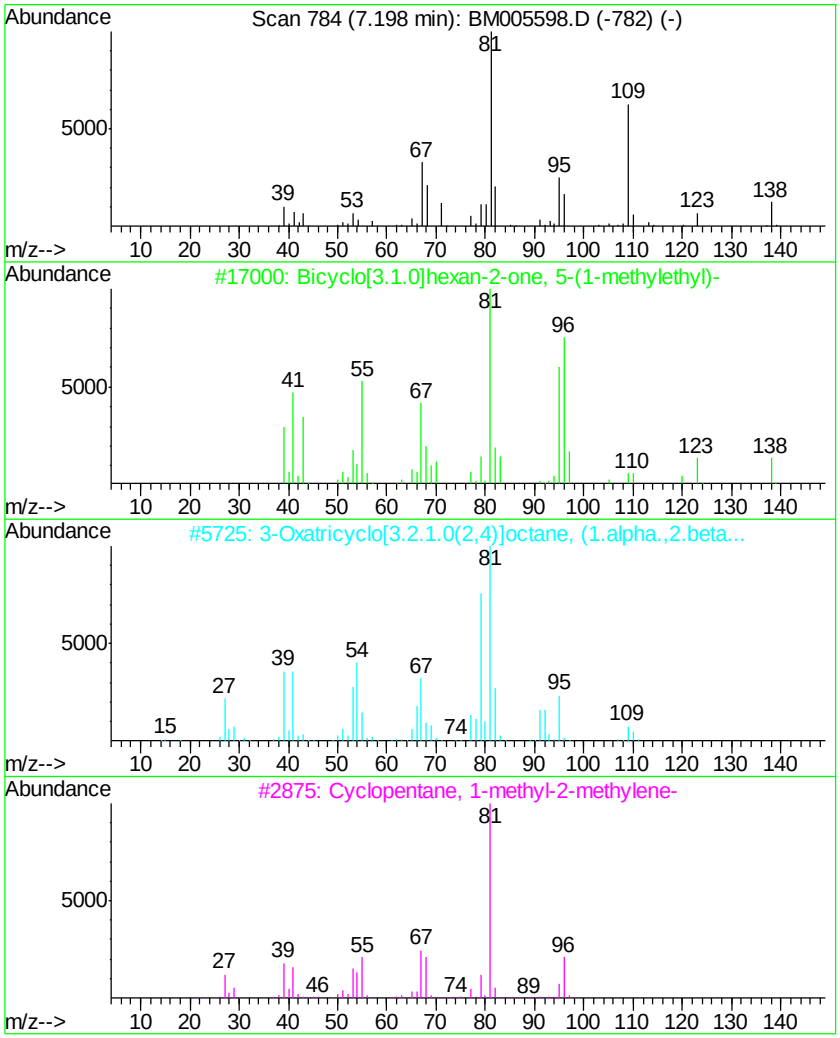
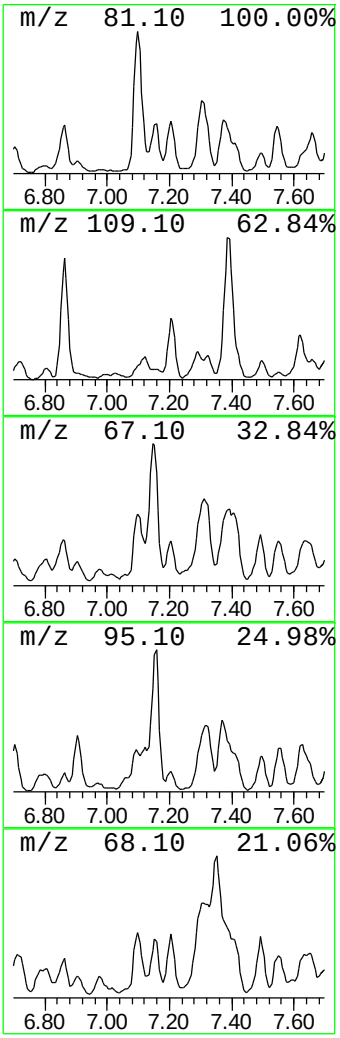
Peak Number 17 Bicyclo[3.1.0]hexan-2-one, ... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	7.11 ng/ul	588153	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	52
2	3-Oxatricyclo[3.2.1.0(2,4)]octan...	110	C7H10O	003146-39-2	50
3	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	47
4	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	38
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	35





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Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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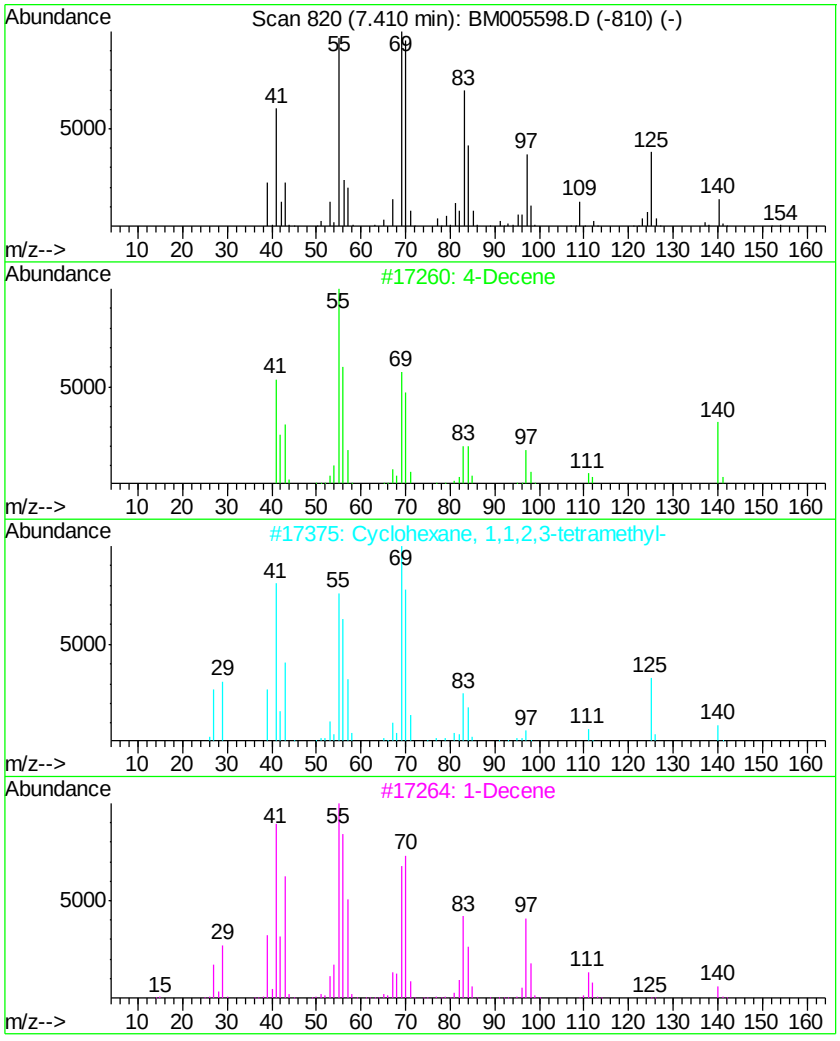
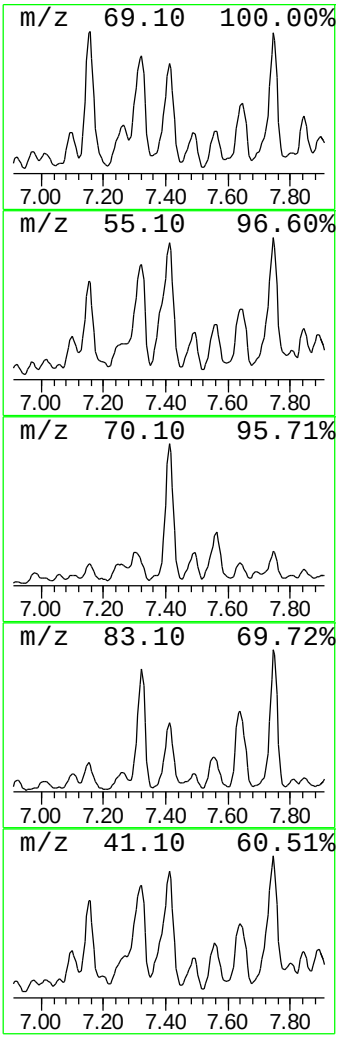
Peak Number 18 (DEL) Alkane: Cyclic-7.41 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	114.09 ng/ul	9432590	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene	140	C10H20	019689-18-0	64
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	62
3	1-Decene	140	C10H20	000872-05-9	58
4	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	43
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38





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Sample : H3087-16
Misc :
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Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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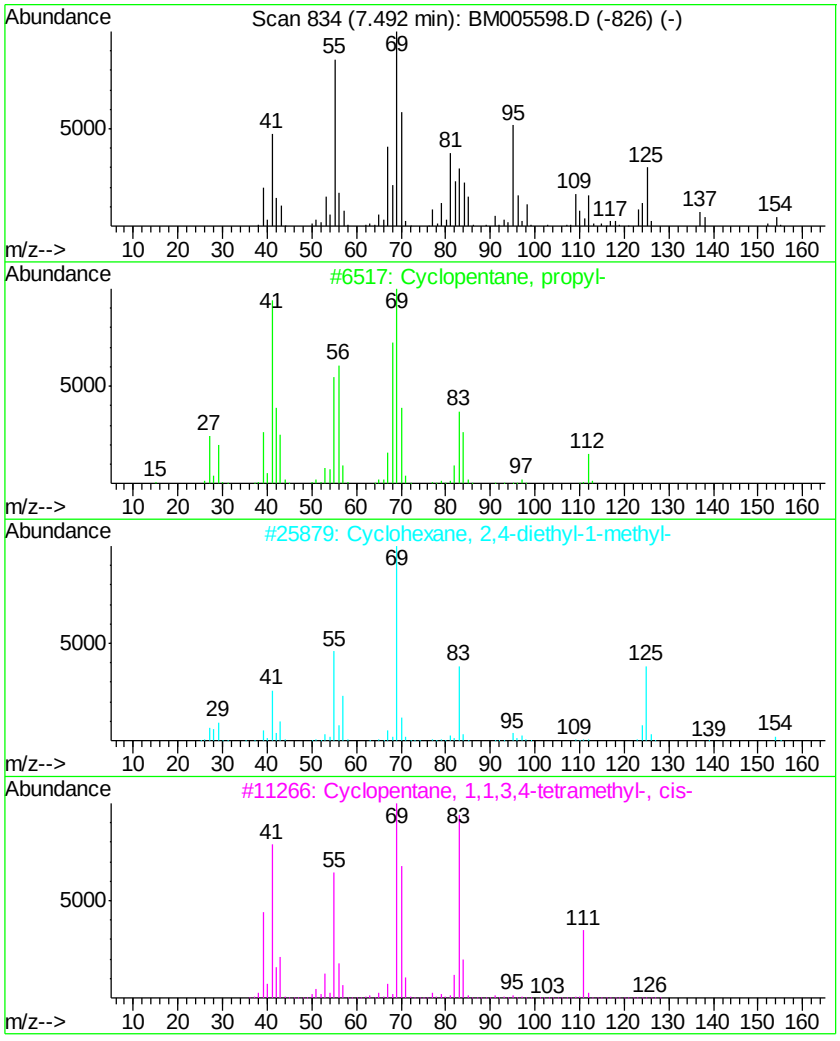
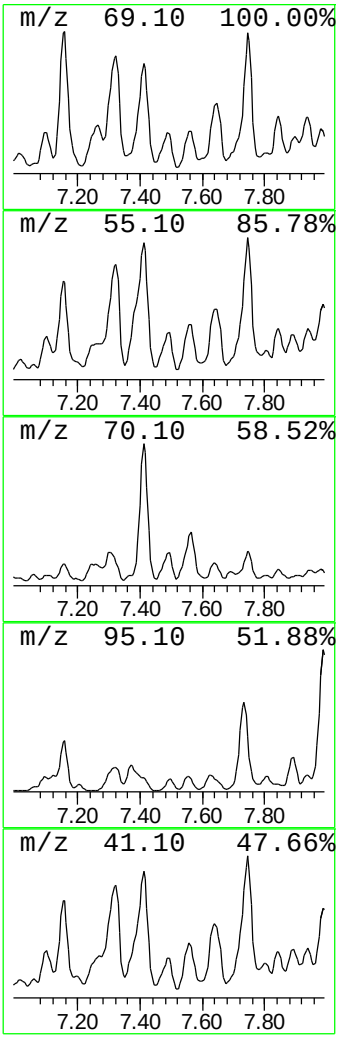
Peak Number 19 (DEL) Alkane: Cyclic-7.49 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	27.80 ng/ul	2298580	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	38
2	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	35
3	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	35
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	30
5	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	30





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Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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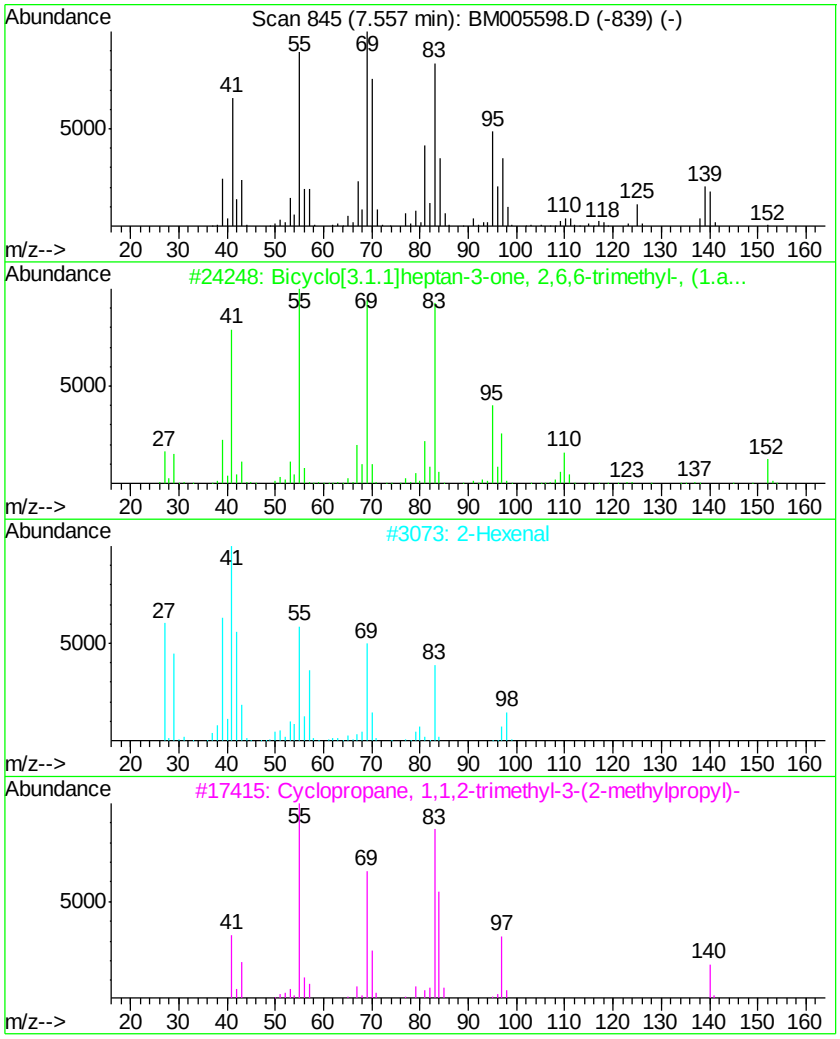
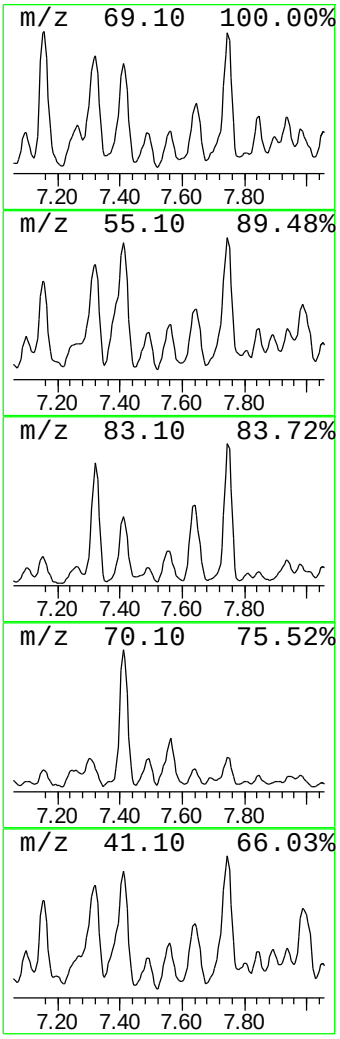
Peak Number 20 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	39.22 ng/ul	3242970	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	47
2	2-Hexenal	98	C6H10O	000505-57-7	38
3	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	38
4	Cyclodecane	140	C10H20	000293-96-9	38
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	35





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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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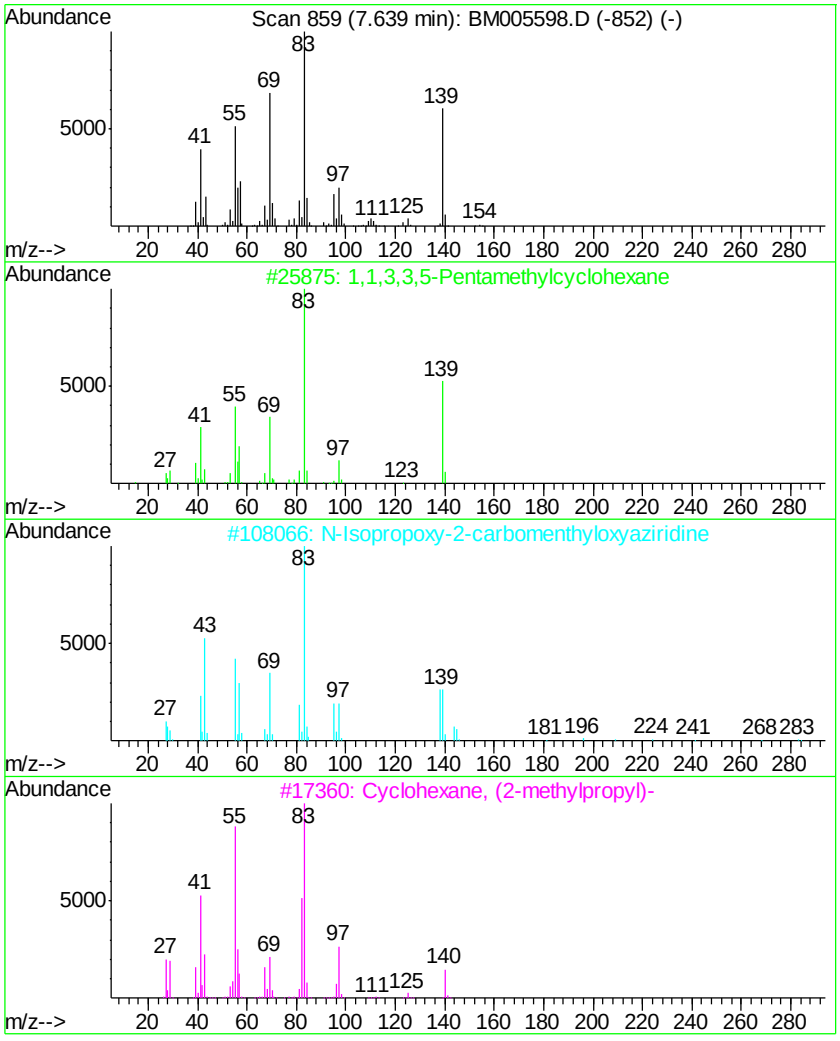
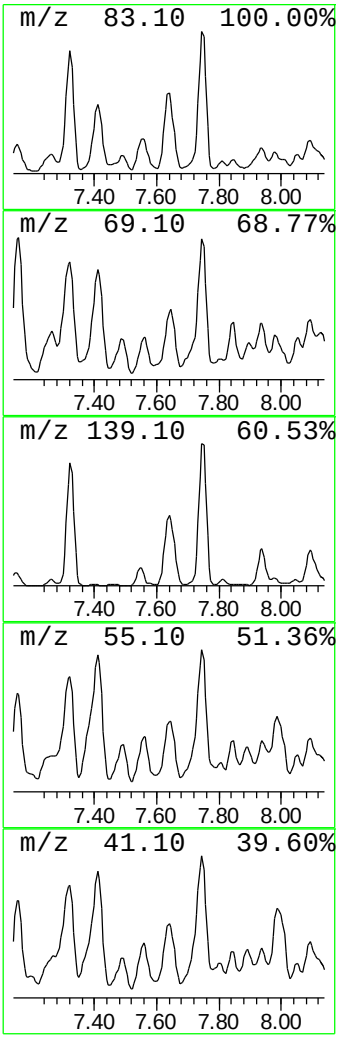
Peak Number 21 (DEL) Alkane: Cyclic-7.64 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	51.05 ng/ul	4220770	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	64
2	N-Isopropoxy-2-carbomenthyloxyaz...	283	C16H29NO3	060999-69-1	50
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50
4	Cyclohexane, 1,5-diethyl-2,3-dim...	168	C12H24	074663-66-4	47
5	3-Methyl-2-butenoic acid, allyl ...	140	C8H12O2	051552-26-2	43





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Quant Title : SVOA CALIBRATION

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

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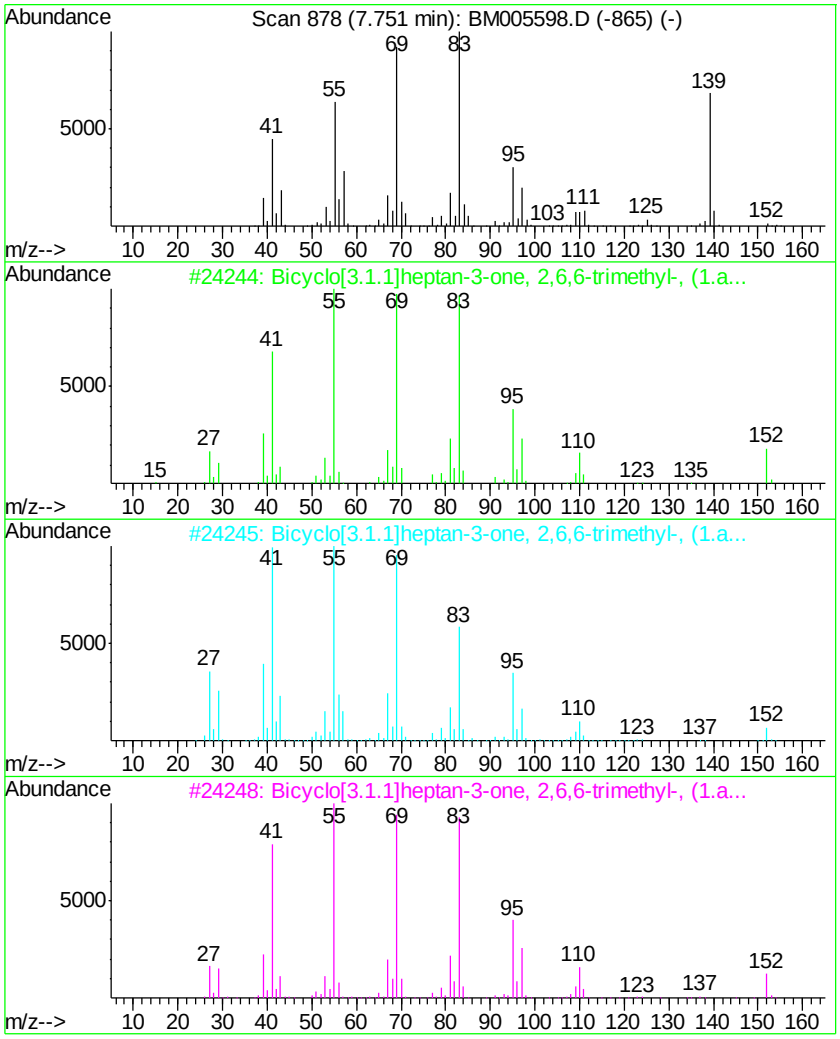
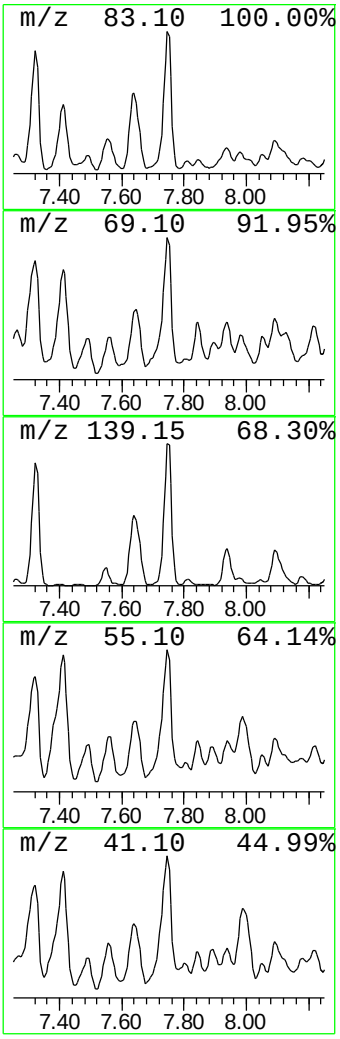
Peak Number 22 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	125.91 ng/ul	10409700	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	70
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	50
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	43
4	1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	38
5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	35





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Instrument :
BNA_M
ClientSampleId :
JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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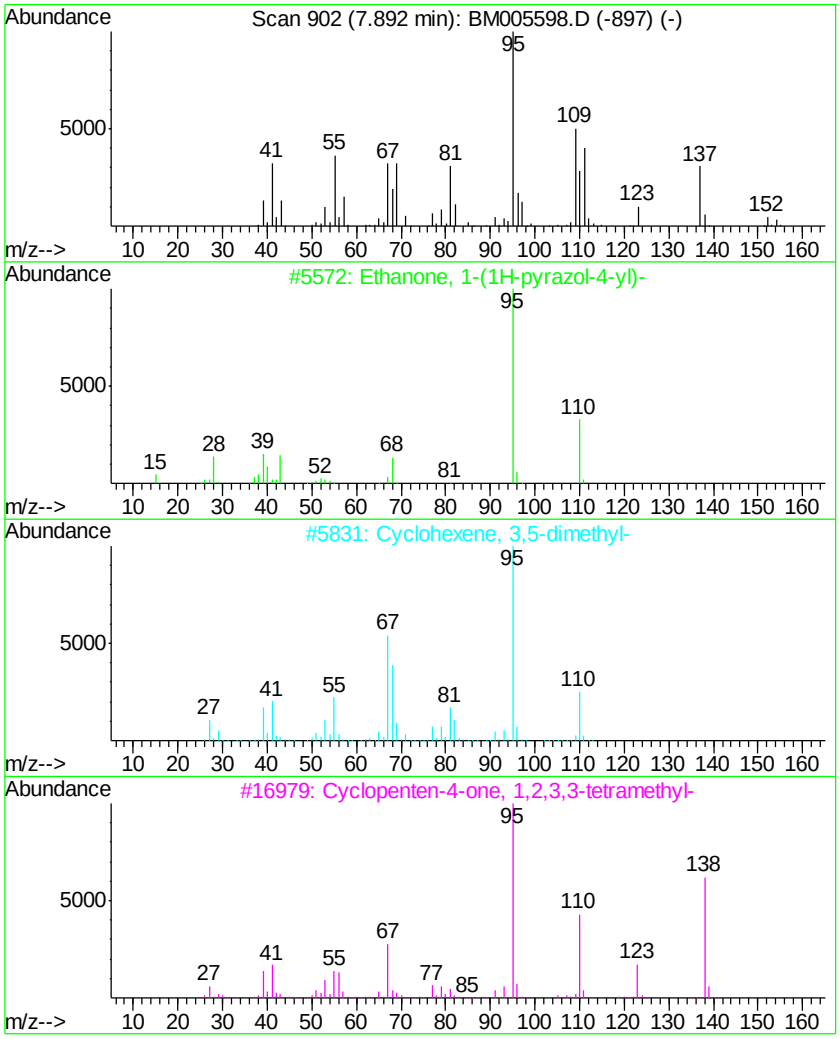
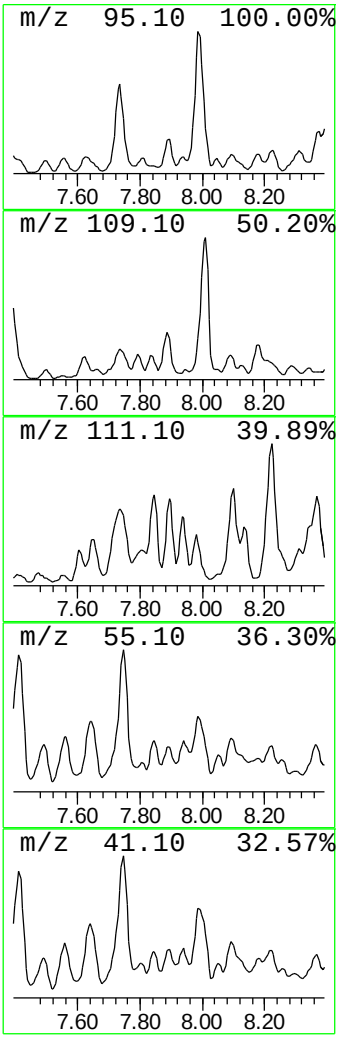
Peak Number 23 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	25.51 ng/ul	2109450	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1H-pyrazol-4-yl)-	110	C5H6N2O	025016-16-4	43
2	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	43
3	Cyclopenten-4-one, 1,2,3,3-tetra...	138	C9H14O	1000163-38-6	38
4	dl-6-Methyl-5-hepten-2-ol	128	C8H16O	004630-06-2	38
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	38





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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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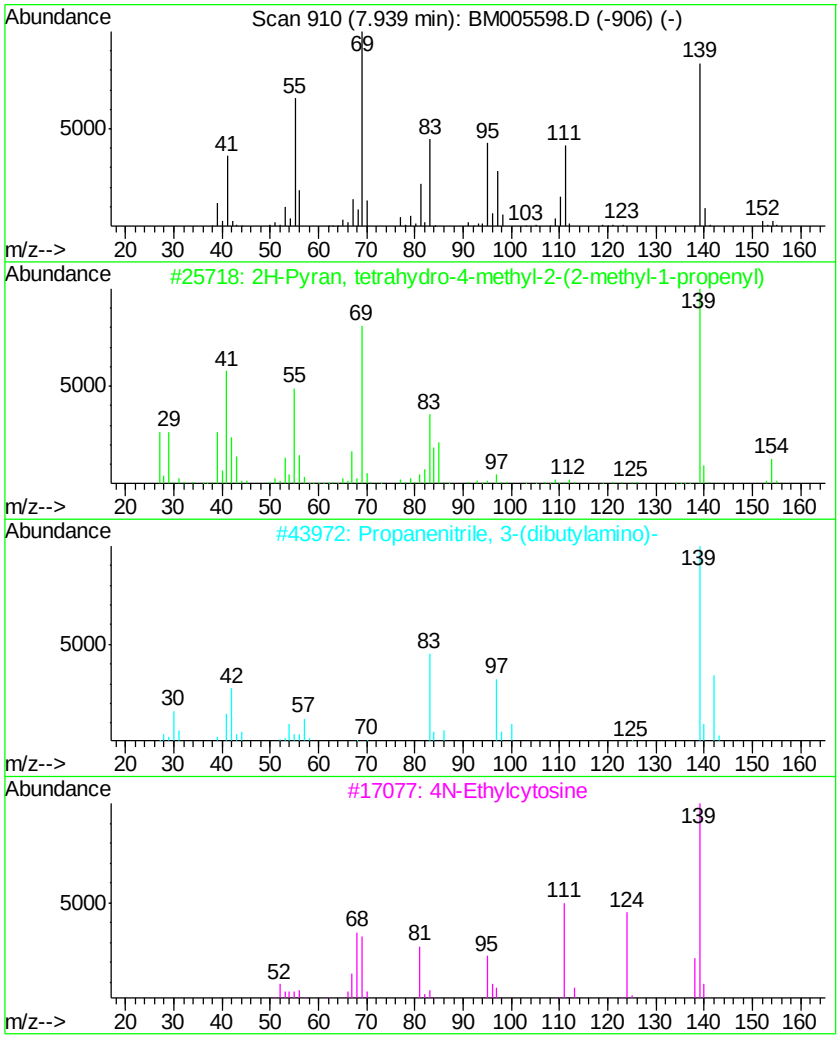
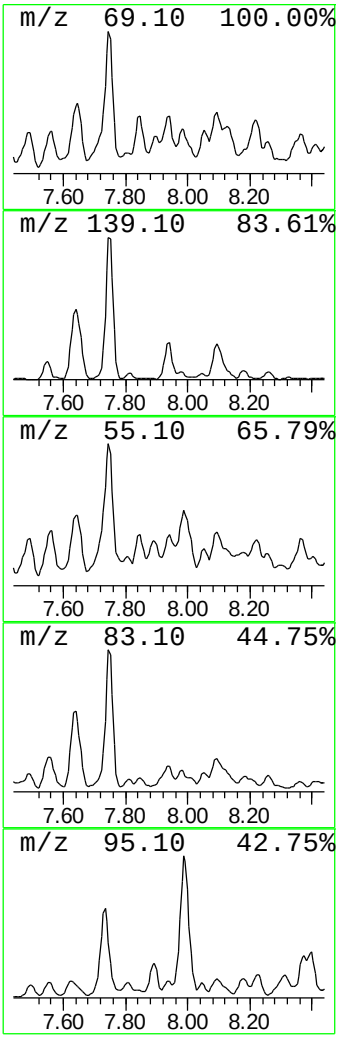
Peak Number 24 2H-Pyran, tetrahydro-4-meth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	18.59 ng/ul	1536850	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	50
2	Propanenitrile, 3-(dibutylamino)-	182	C11H22N2	025726-99-2	35
3	4N-Ethylcytosine	139	C6H9N3O	089711-97-7	35
4	2(1H)Pyrimidinone,4-amino-1,N-di...	139	C6H9N3O	006220-49-1	27
5	Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	27





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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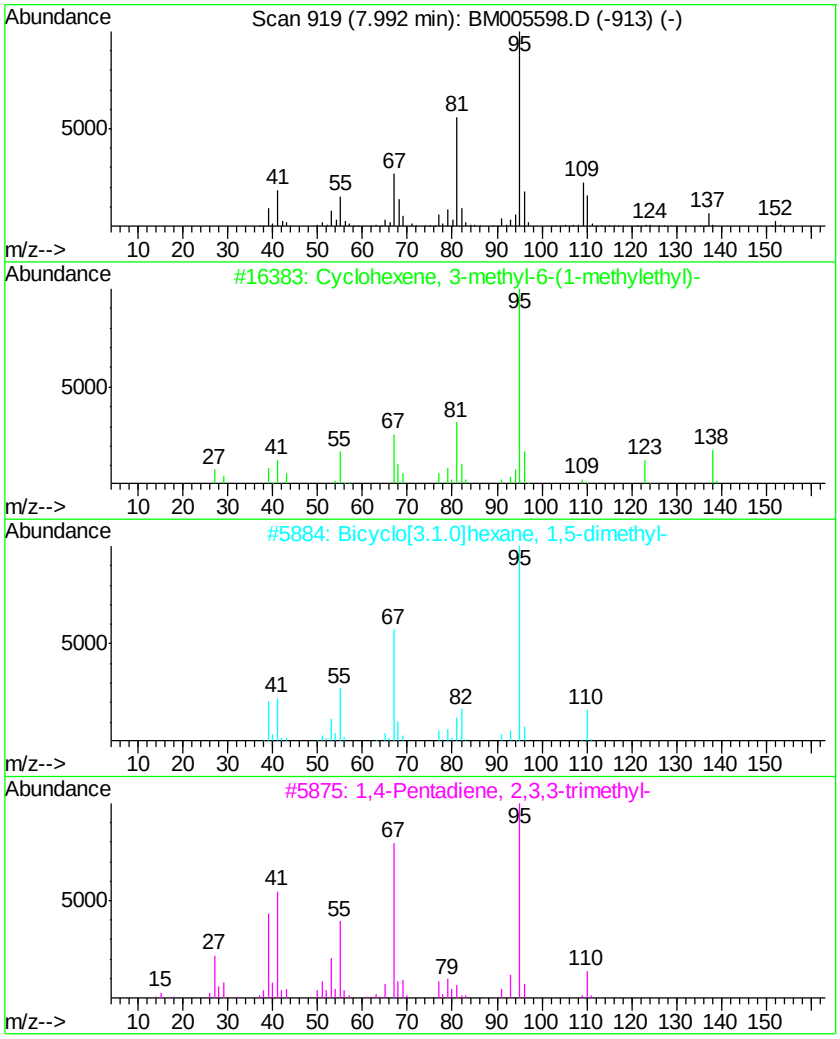
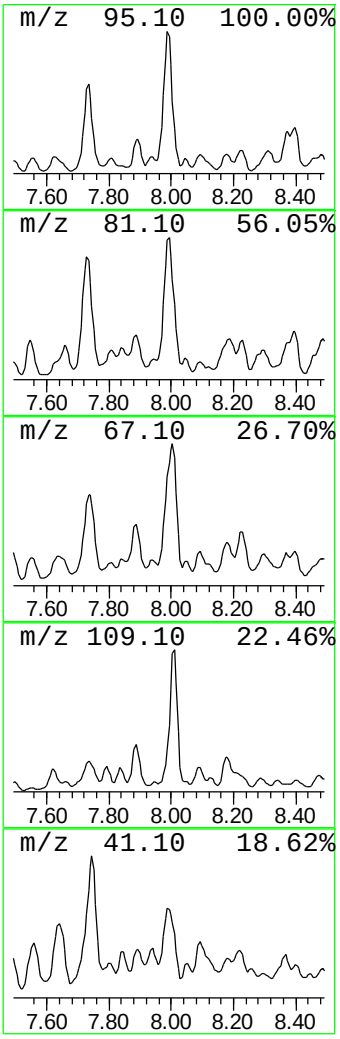
Peak Number 25 (DEL) Alkane: Branched-7.99 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	86.91 ng/ul	7185420	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	64
2	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	52
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	52
4	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	43
5	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	43





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Sample : H3087-16
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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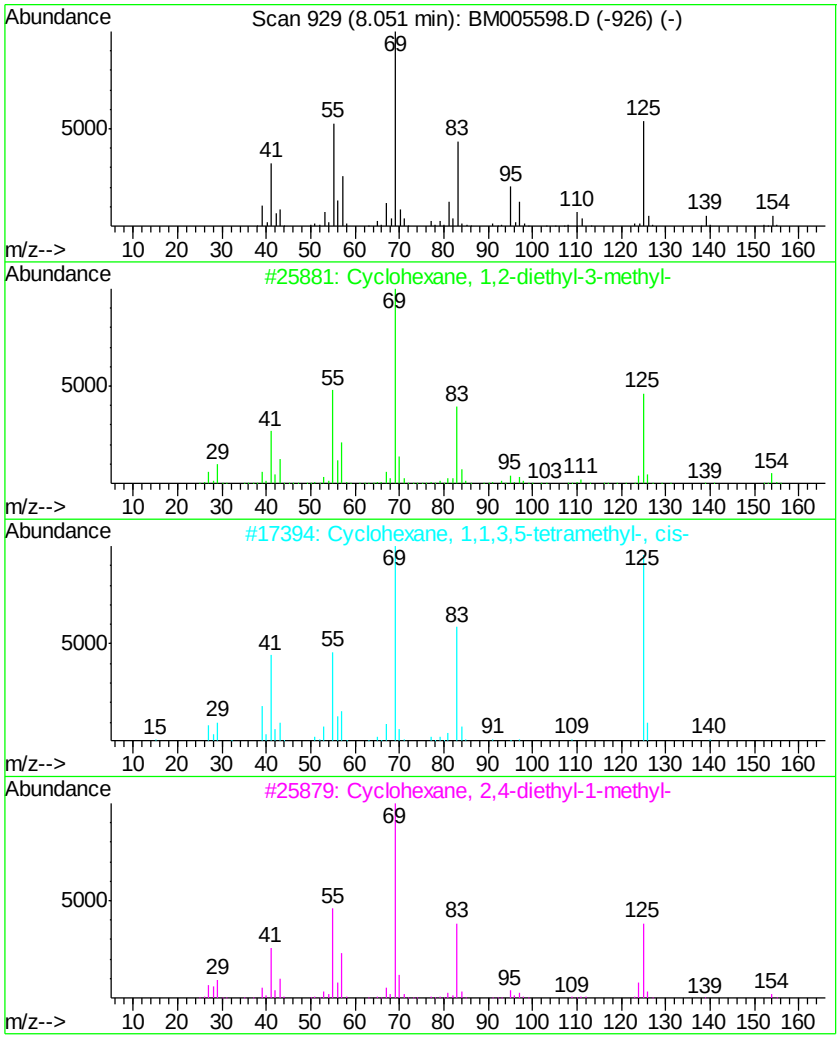
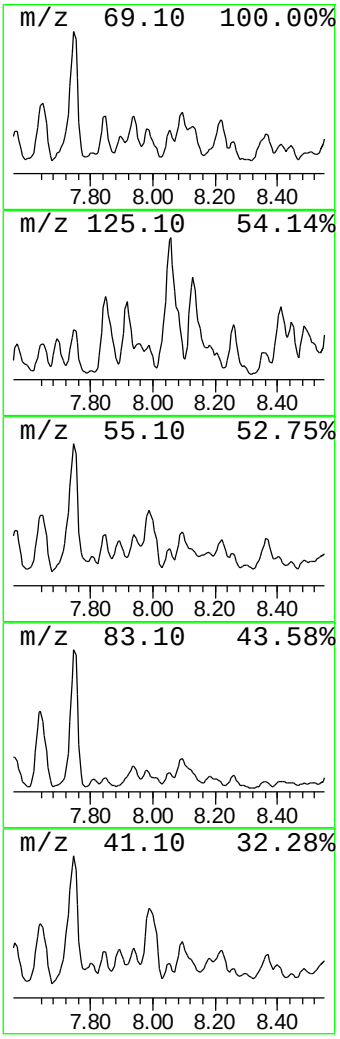
Peak Number 26 (DEL) Alkane: Cyclic-8.05 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	7.66 ng/ul	633143	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	83
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	64
3	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	64
4	Cyclohexanecarboxylic acid, 4-pr...	271	C17H21NO2	062439-33-2	59
5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	47





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ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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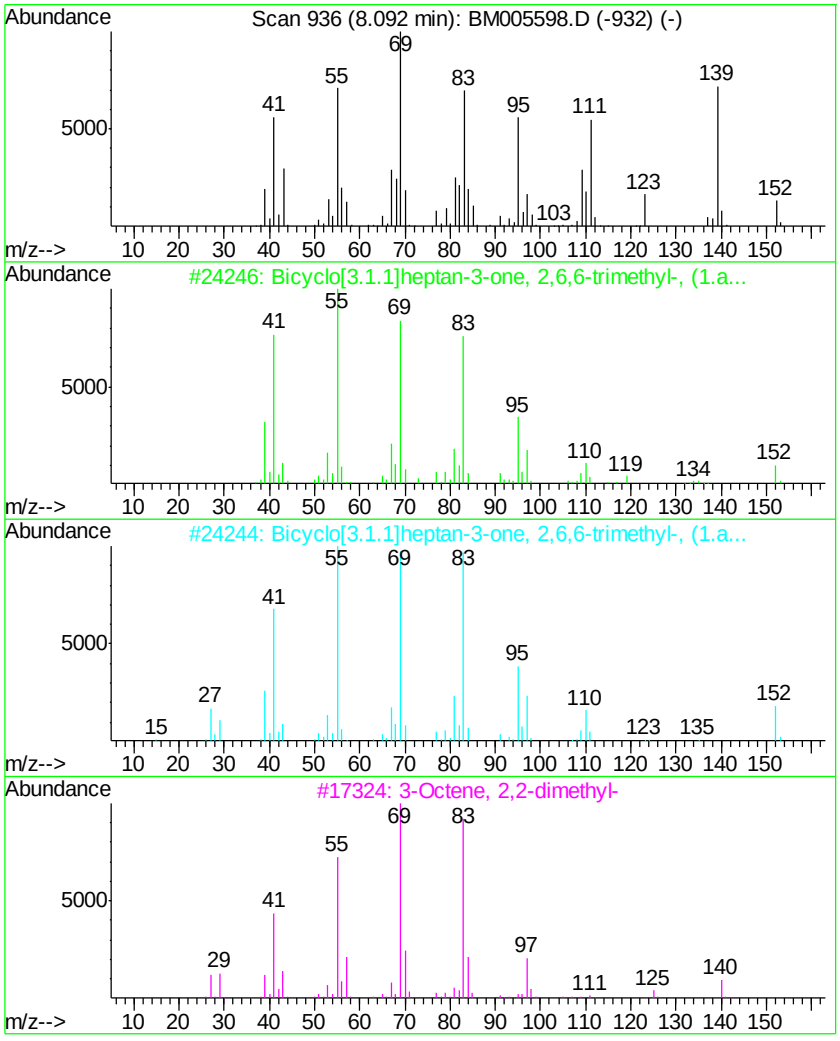
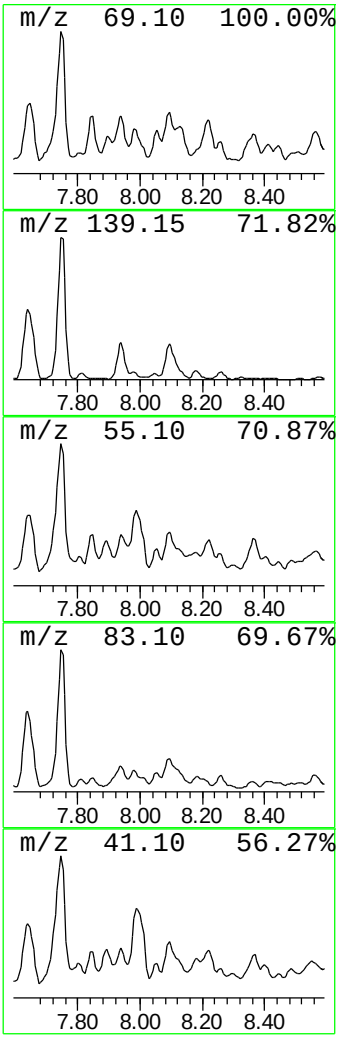
Peak Number 27 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	29.31 ng/ul	2423210	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	49
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	49
3	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	46
4	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	41
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	35





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Quant Title : SVOA CALIBRATION

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

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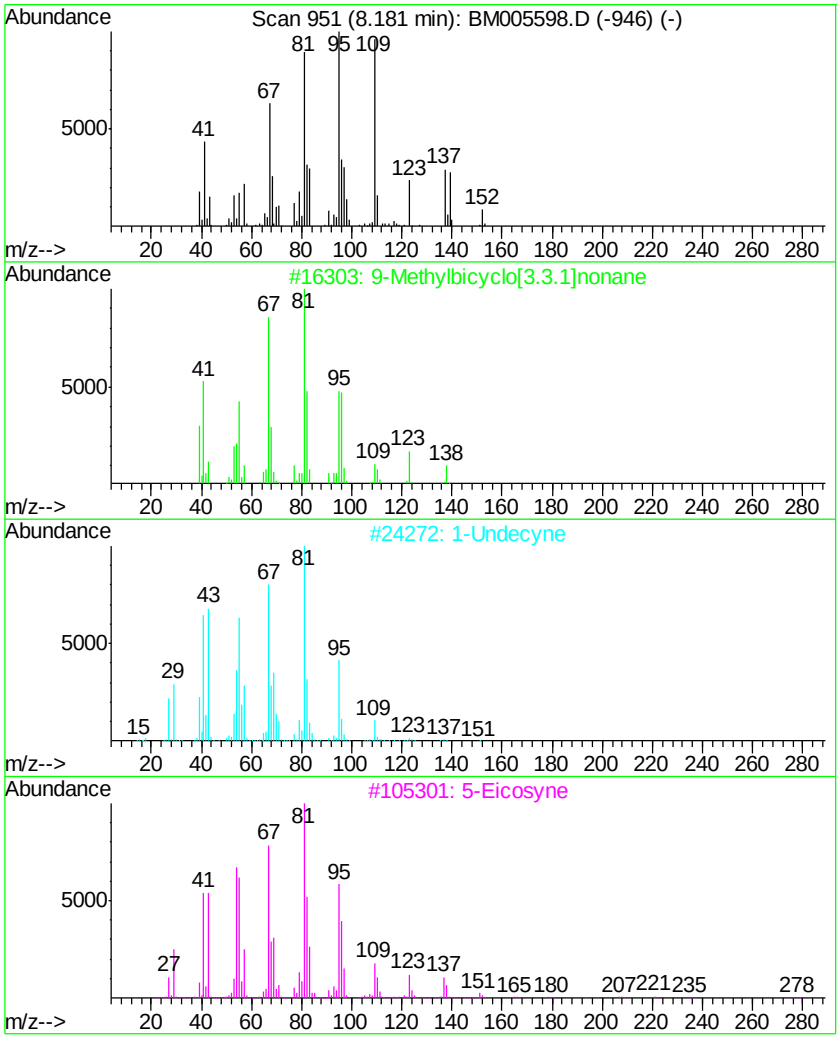
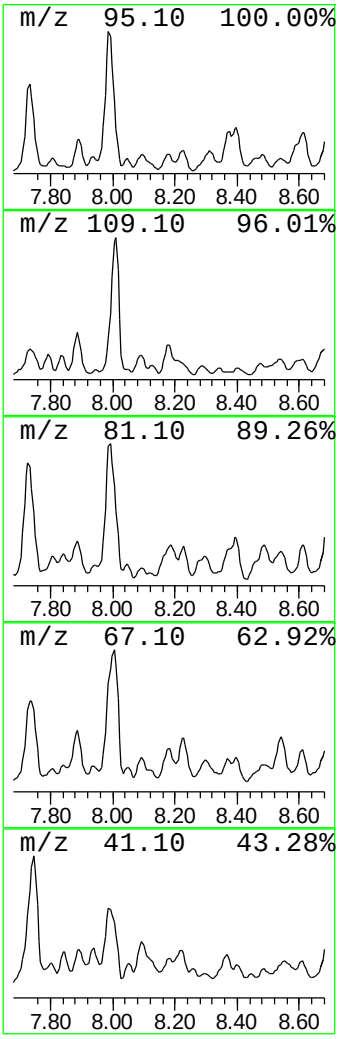
Peak Number 28 (DEL) Alkane: Branched-8.18 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	14.33 ng/ul	1184880	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	46
2	1-Undecyne	152	C11H20	002243-98-3	43
3	5-Eicosyne	278	C20H38	074685-31-7	38
4	Pentylidenecyclohexane	152	C11H20	039546-79-7	38
5	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	30





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Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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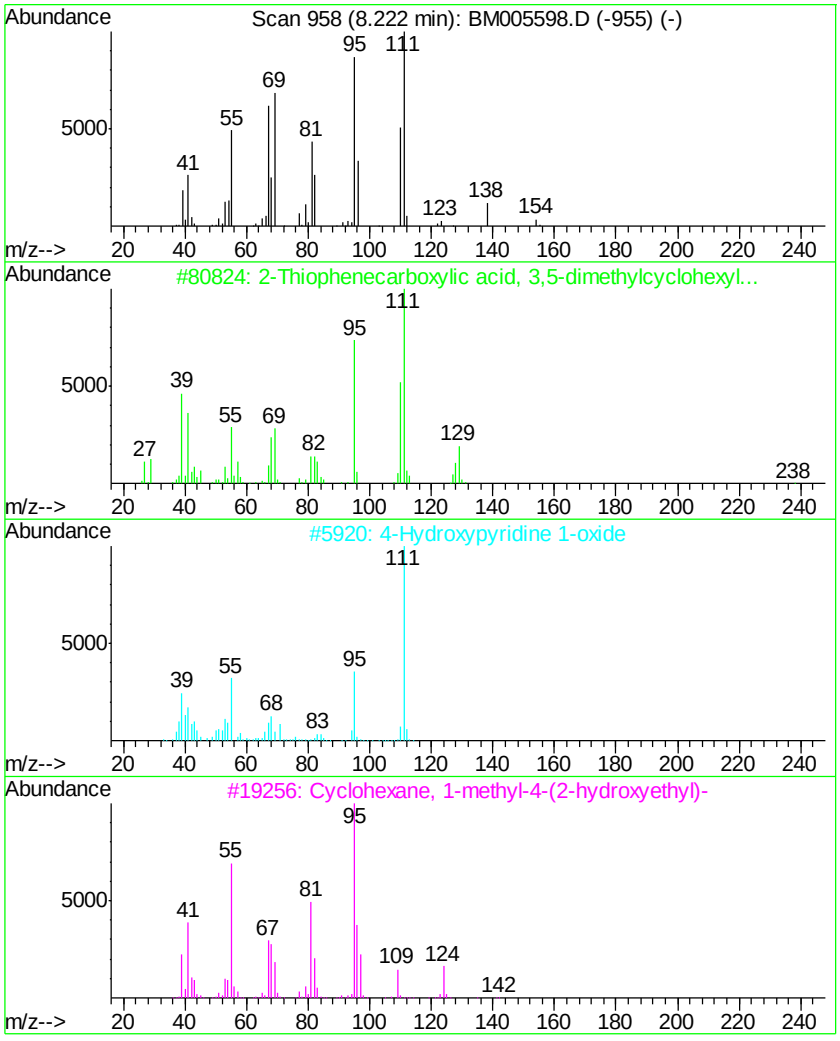
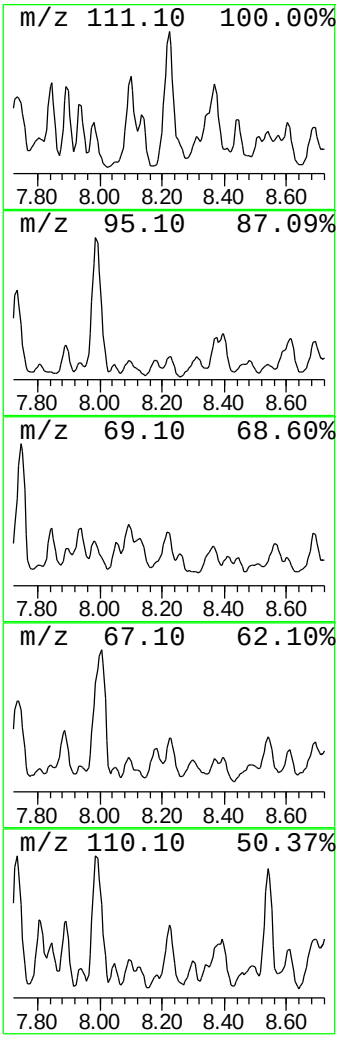
Peak Number 29 2-Thiophenecarboxylic acid,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	15.58 ng/ul	1288200	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiophenecarboxylic acid, 3,5-...	238	C13H18O2S	1000278-87-5	59
2	4-Hydroxypyridine 1-oxide	111	C5H5NO2	006890-62-6	47
3	Cyclohexane, 1-methyl-4-(2-hydro...	142	C9H18O	004916-87-4	43
4	3-Cyclopenten-1-one, 2,2,5,5-tet...	138	C9H14O	081396-36-3	38
5	1-Methylcycloheptene	110	C8H14	055308-20-8	35





Library Search Compound Report

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Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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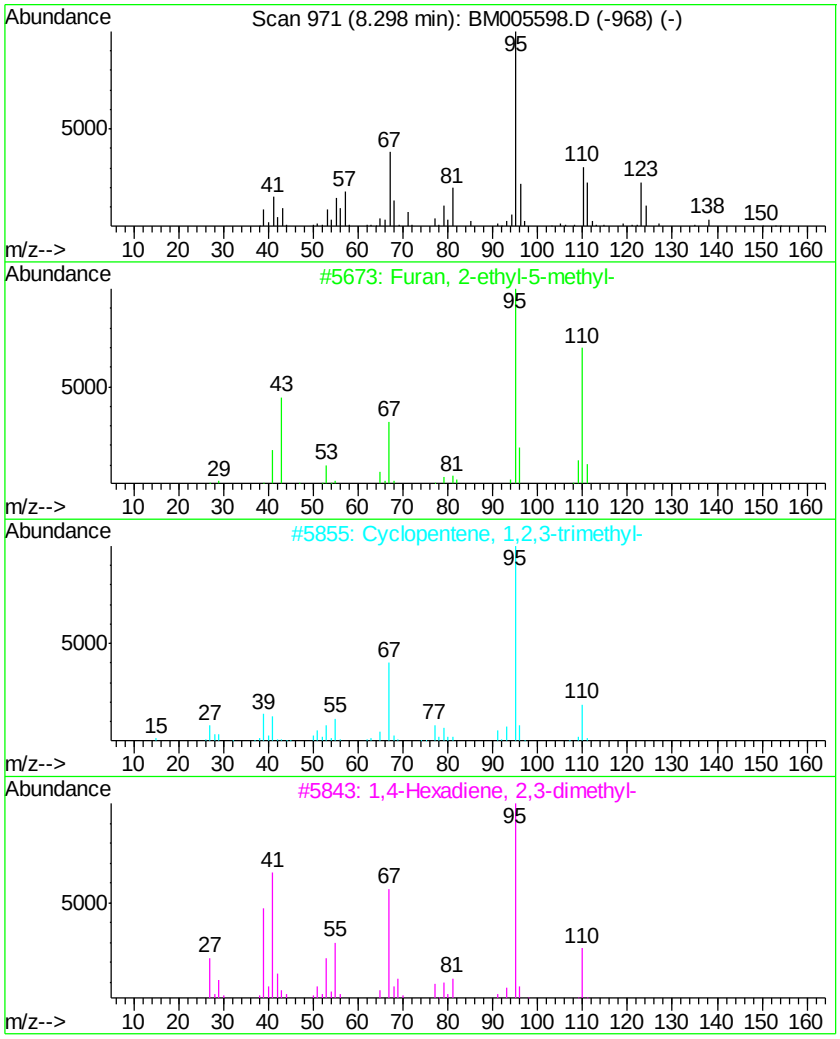
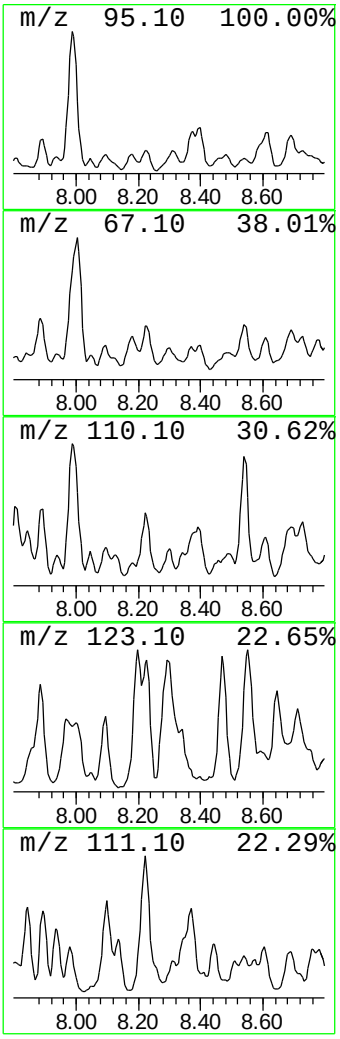
Peak Number 30 Furan, 2-ethyl-5-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	4.57 ng/ul	377856	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	53
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	50
3	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	50
4	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	50
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	50





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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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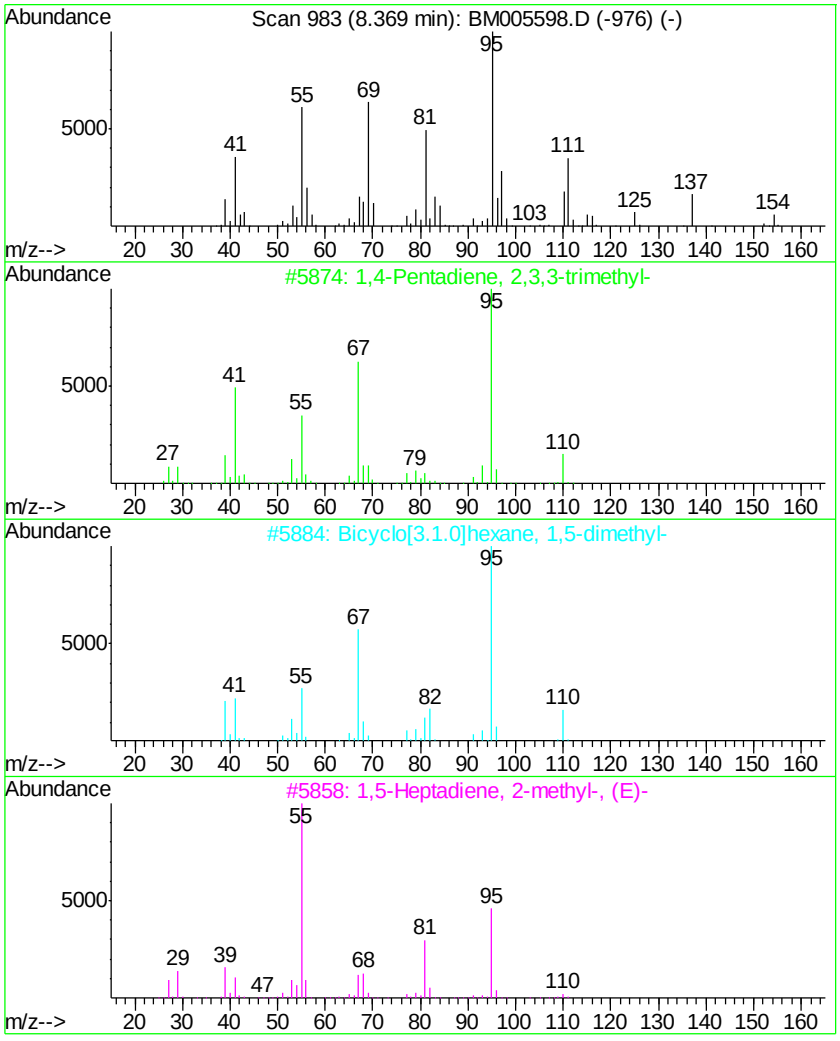
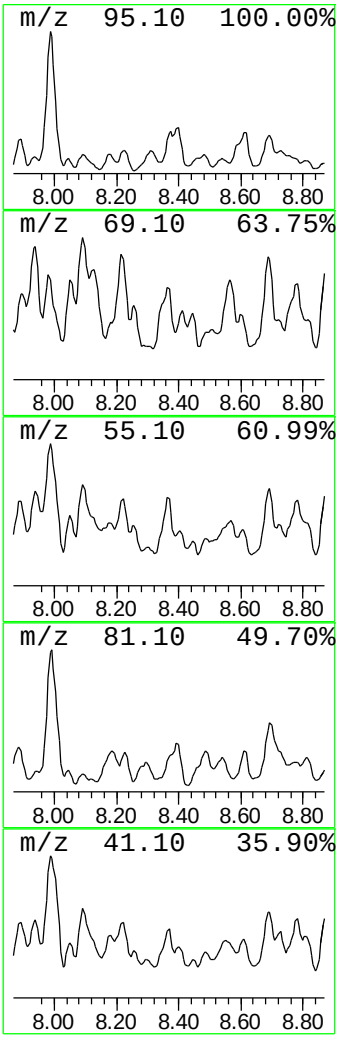
Peak Number 31 (DEL) Alkane: Branched-8.37 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	22.16 ng/ul	1831750	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	46
2	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	43
3	1,5-Heptadiene, 2-methyl-, (E)-	110	C8H14	041044-63-7	38
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	38
5	6-Methyl-2-heptyne	110	C8H14	051065-64-6	38





Library Search Compound Report

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Sample : H3087-16
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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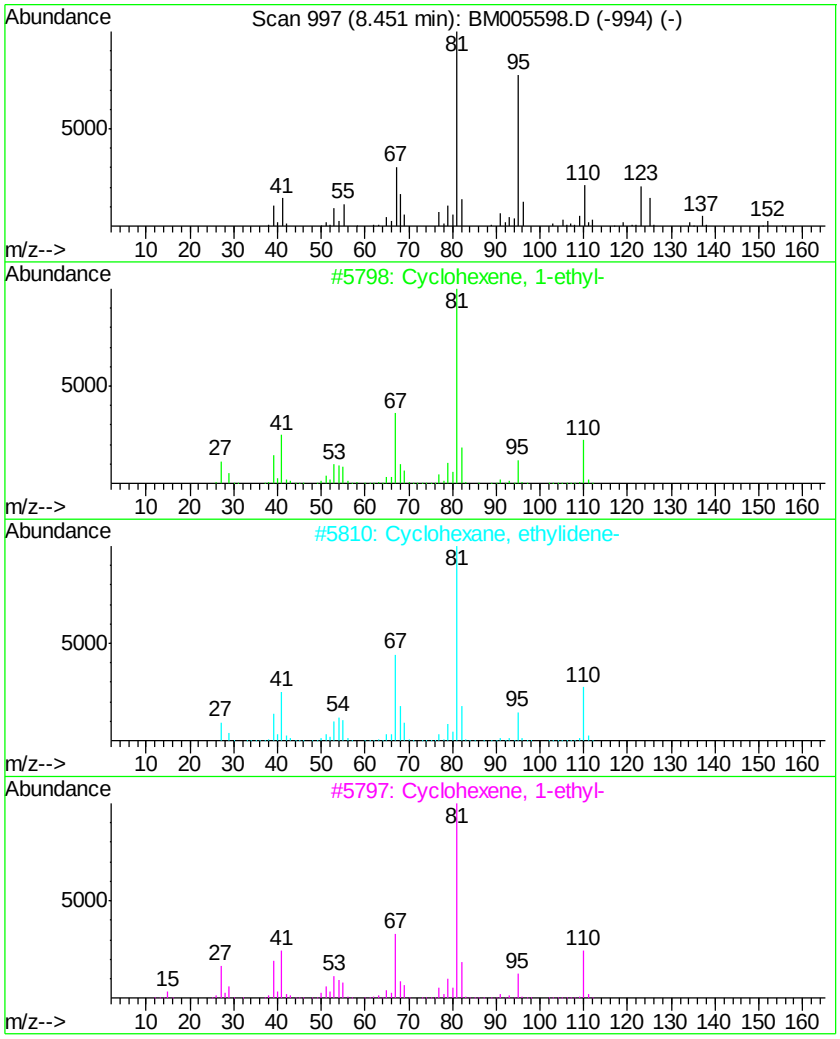
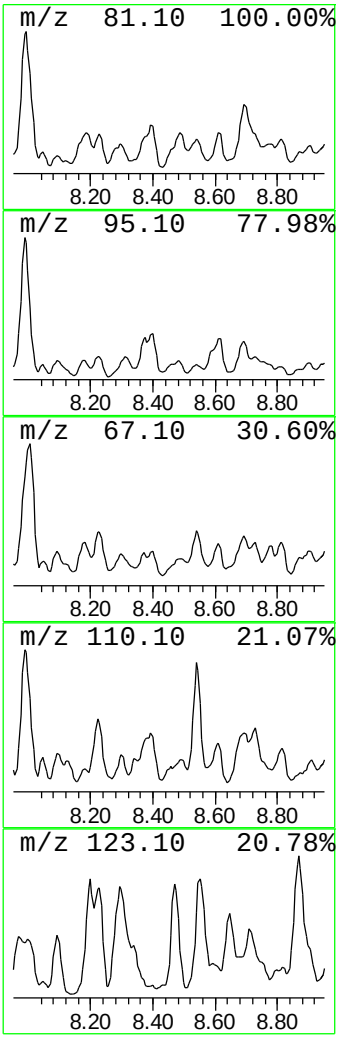
Peak Number 32 (DEL) Alkane: Branched-8.45 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	2.62 ng/ul	216213	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
2	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	50
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
5	Cyclohexene, 4-ethyl-	110	C8H14	003742-42-5	45





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Operator : UM/SJ
Sample : H3087-16
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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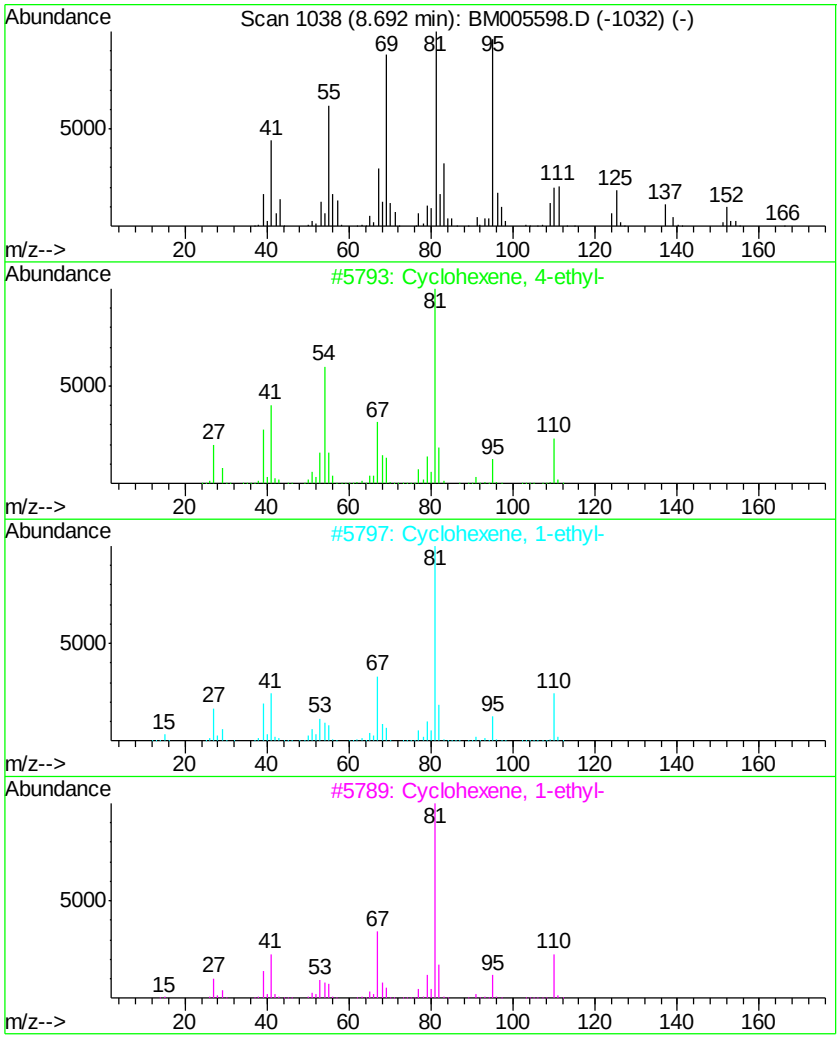
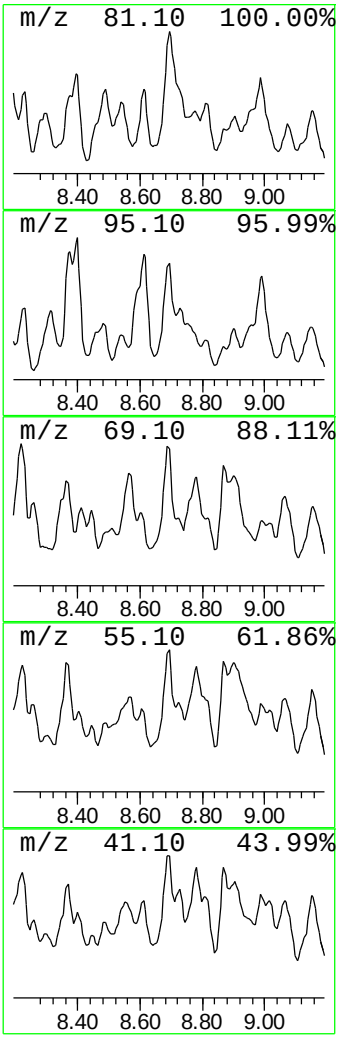
Peak Number 33 (DEL) Alkane: Branched-8.69 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	29.40 ng/ul	2430890	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-ethyl-	110	C8H14	003742-42-5	38
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	30
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	30
4	Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	074663-71-1	27
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	25





Library Search Compound Report

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Operator : UM/SJ
Sample : H3087-16
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Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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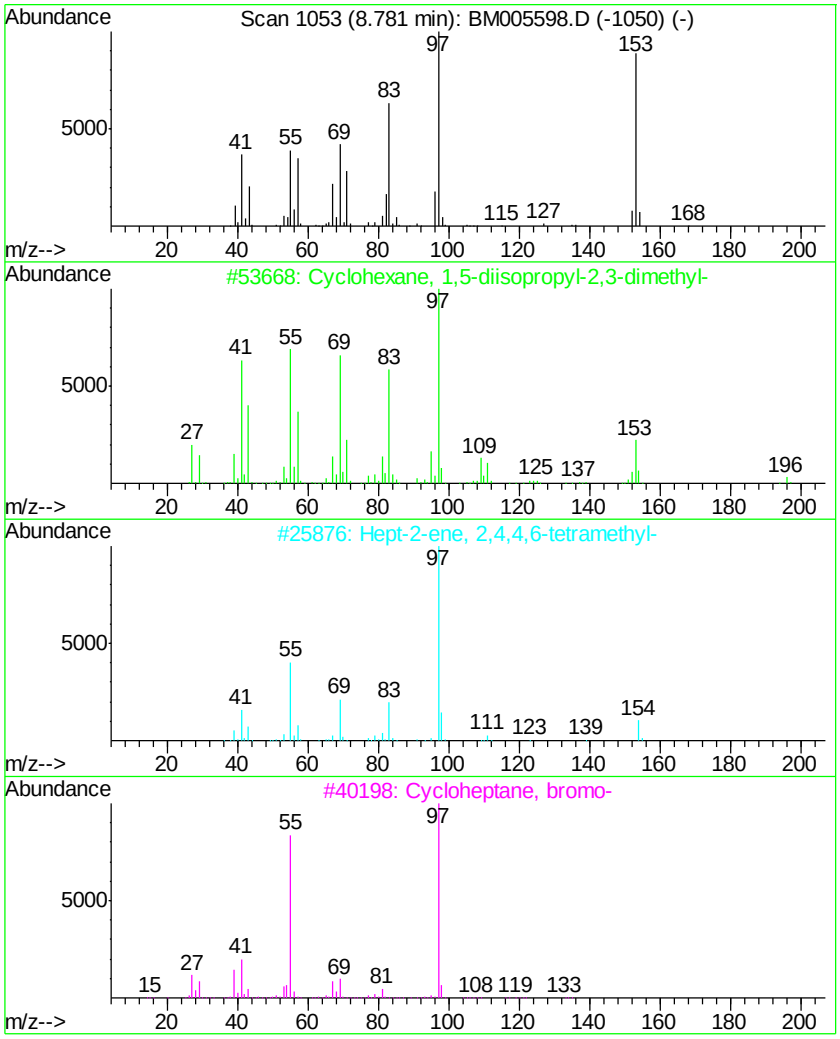
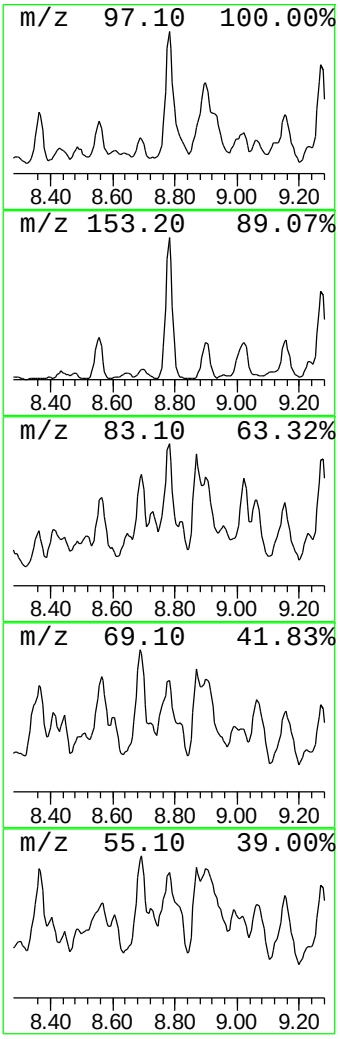
Peak Number 34 (DEL) Alkane: Cyclic-8.78 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	5.96 ng/ul	493103	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,5-diisopropyl-2,3...	196	C14H28	1000149-58-8	33
2	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	22
3	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	14
4	2H-Inden-2-one, octahydro-, oxime	153	C9H15NO	067886-74-2	12
5	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	10





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Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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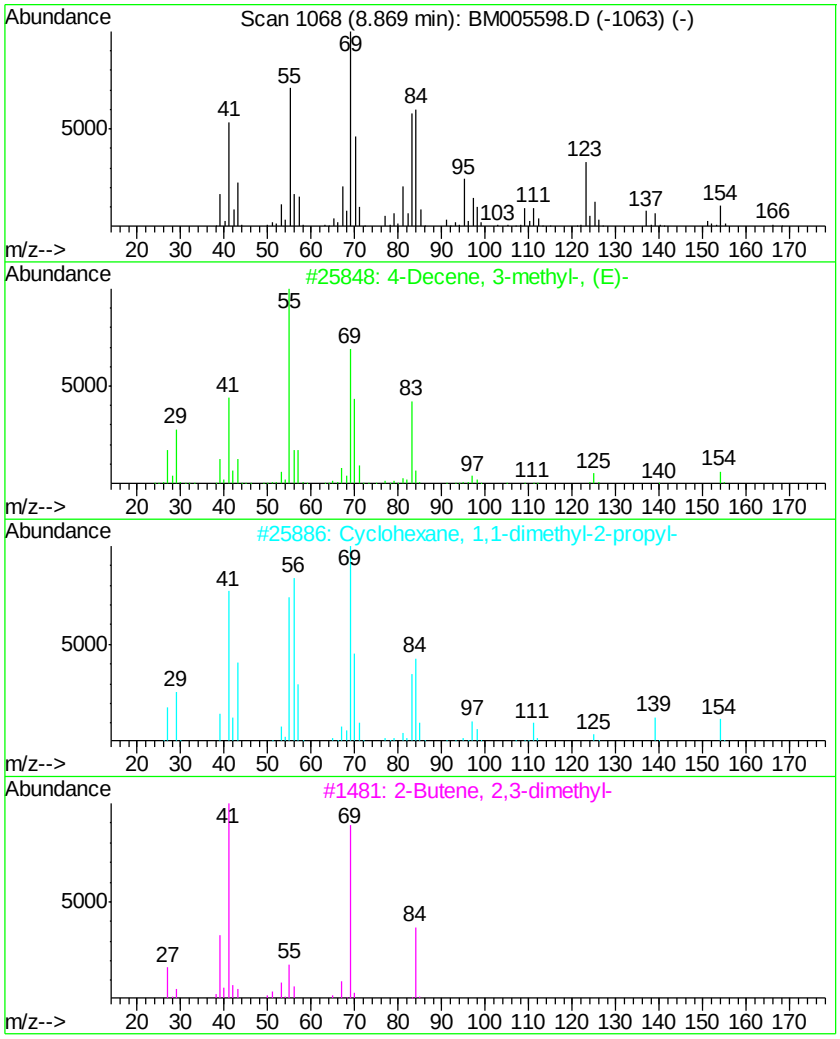
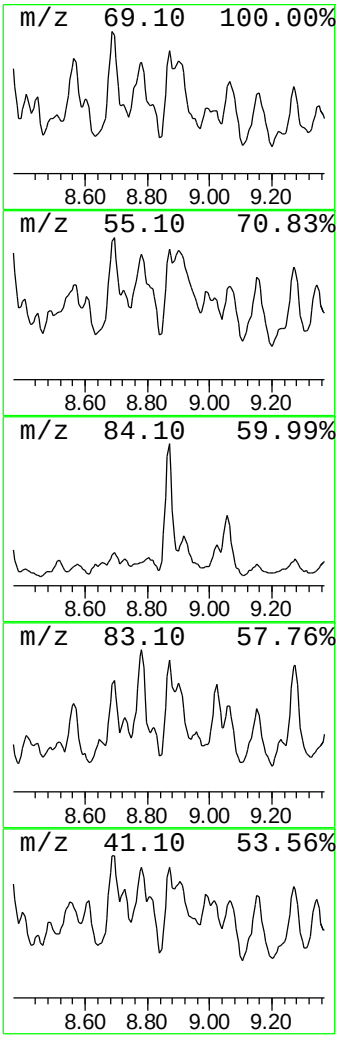
Peak Number 35 (DEL) Alkane: Cyclic-8.87 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	22.94 ng/ul	1896800	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene, 3-methyl-, (E)-	154	C11H22	062338-47-0	58
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	58
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	38
4	Heptane, 4-methylene-	112	C8H16	015918-08-8	30
5	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	30





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

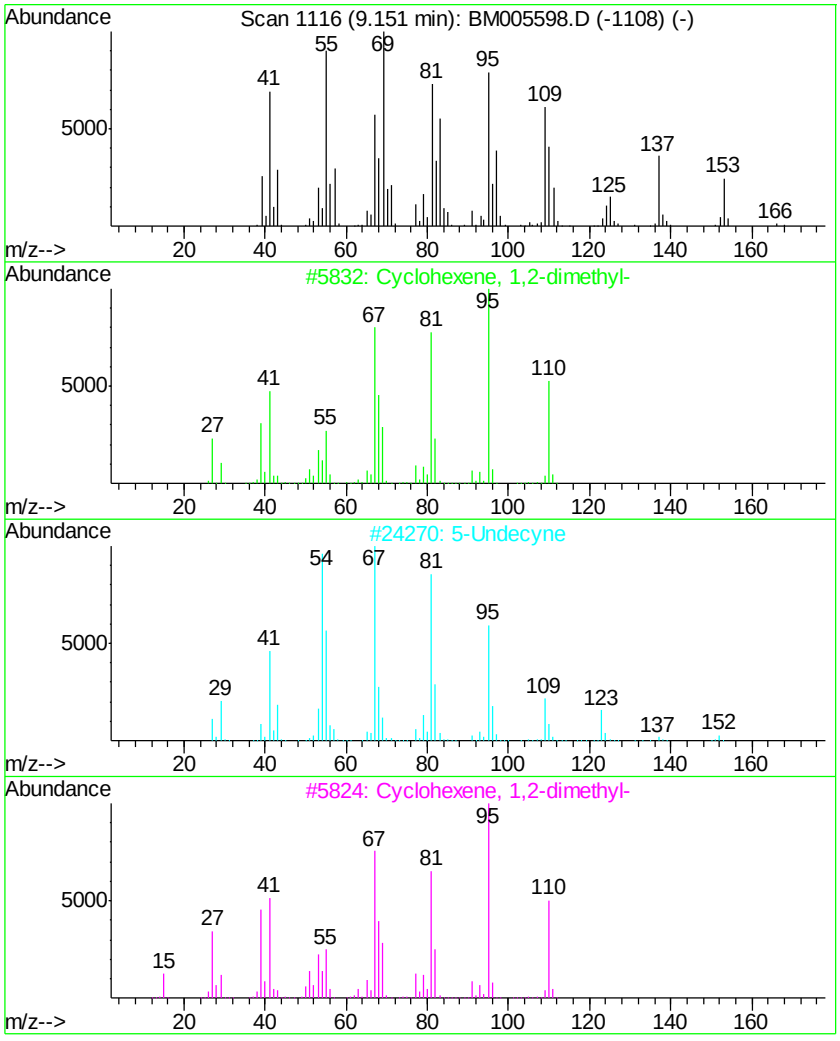
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

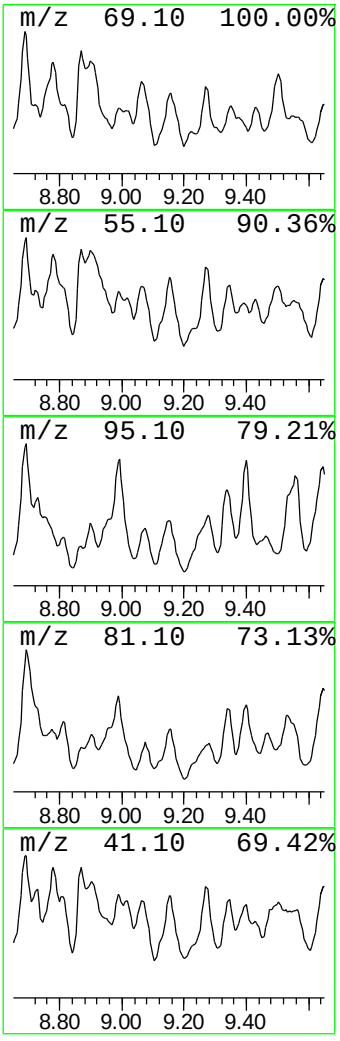
****

Peak Number 37 (DEL) Alkane: Branched-9.15 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	28.58 ng/ul	2362640	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	46
2	5-Undecyne	152	C11H20	002294-72-6	41
3	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	38
4	1-Methylcycloheptene	110	C8H14	055308-20-8	35
5	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	35





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ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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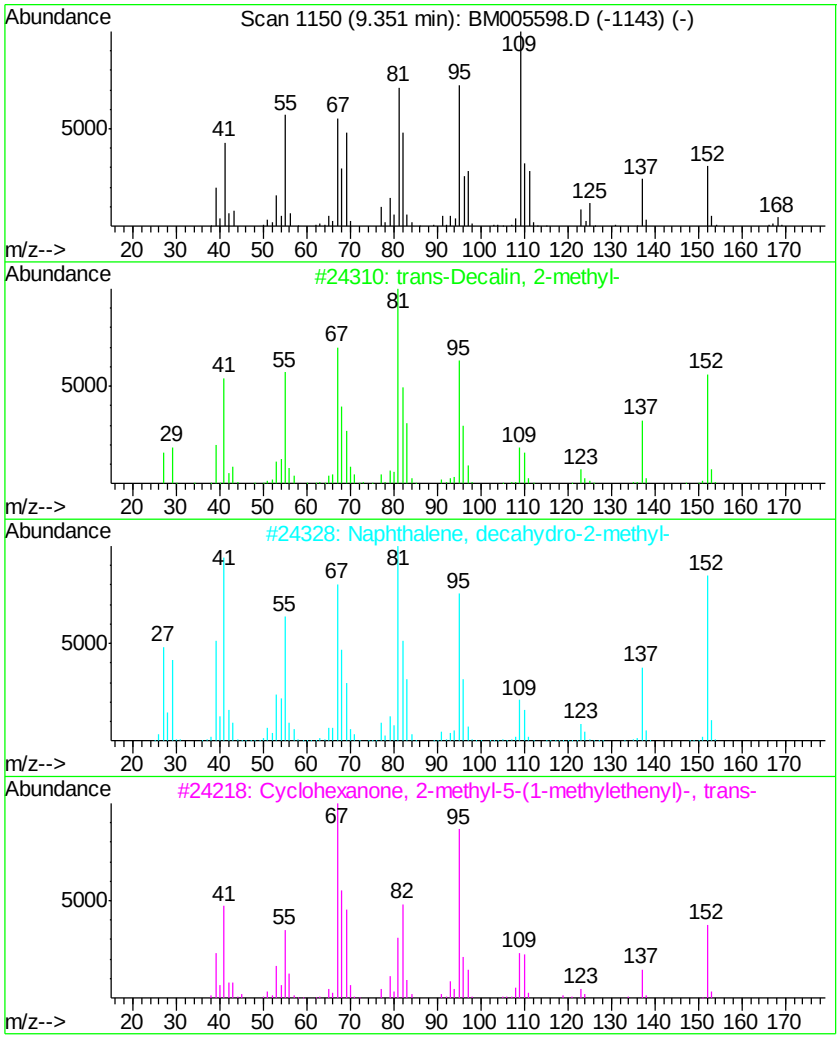
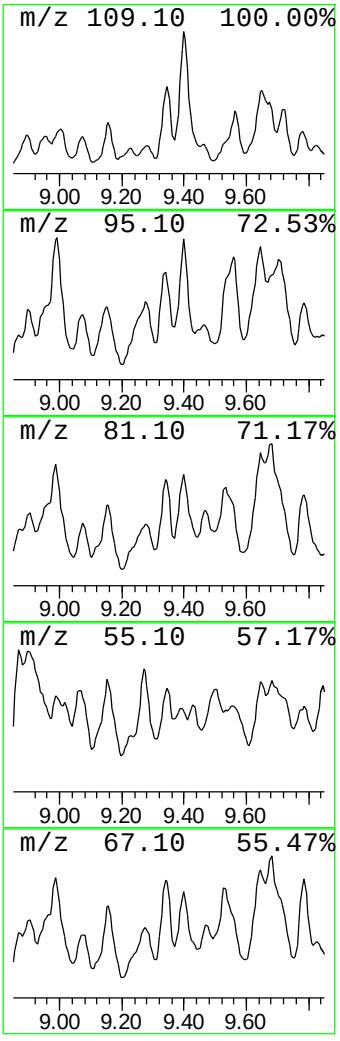
Peak Number 39 (DEL) Alkane: Branched-9.35 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	7.87 ng/ul	1663850	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	86
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	55
4	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	53
5	Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	46





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ClientSampleId : JHGK9

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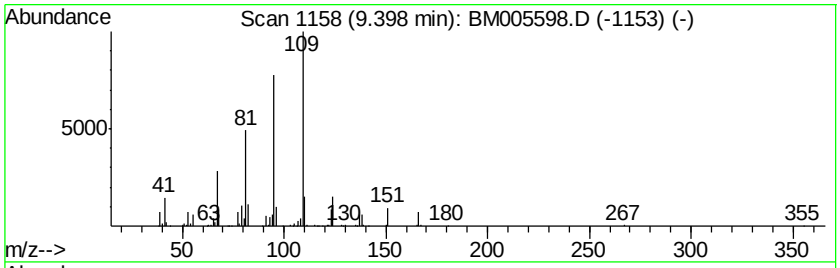
Quant Title : SVOA CALIBRATION

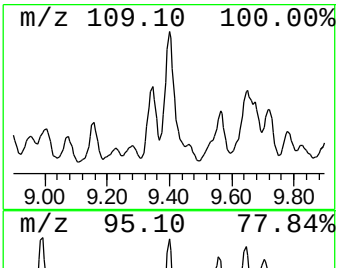
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

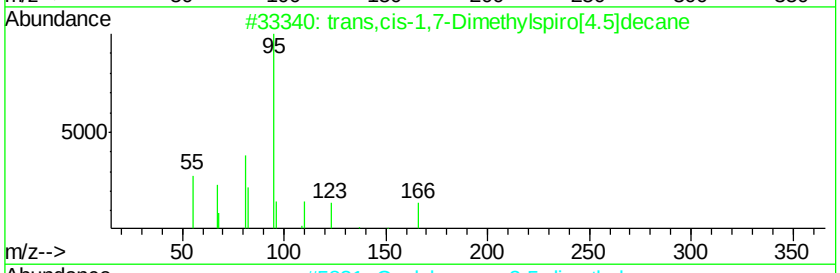
****
Peak Number 40 (DEL) Alkane: Branched-9.40 Concentration Rank 53

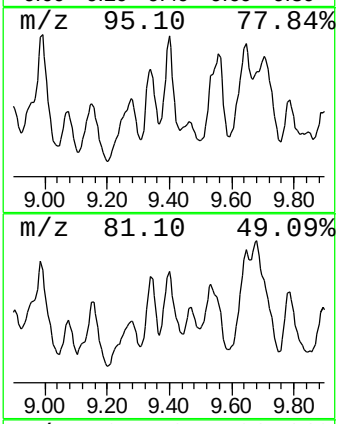
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	6.89 ng/ul	1456100	Naphthalene-d8	10.61

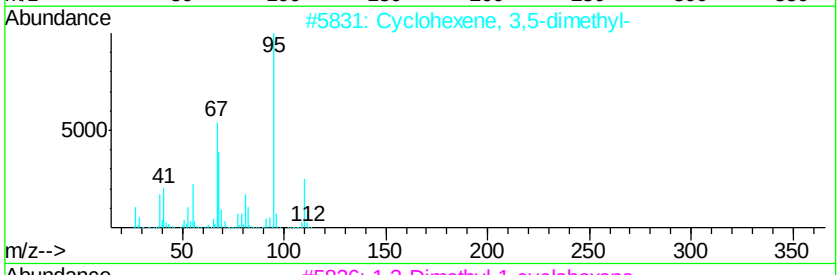
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans,cis-1,7-Dimethylspiro[4.5]...	166	C12H22	1000111-72-7	43
2	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	43
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	43
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	43
5	Furan, 4-methyl-2-propyl-	124	C8H12O	006148-37-4	43

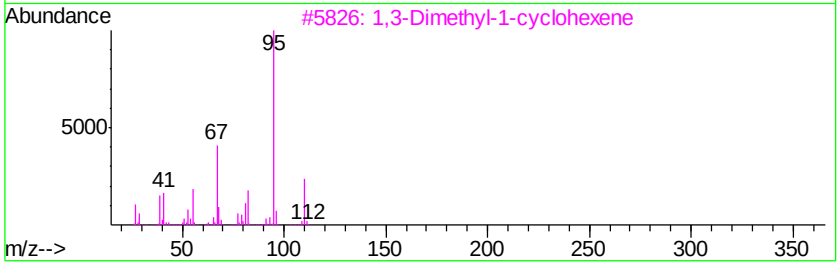












Library Search Compound Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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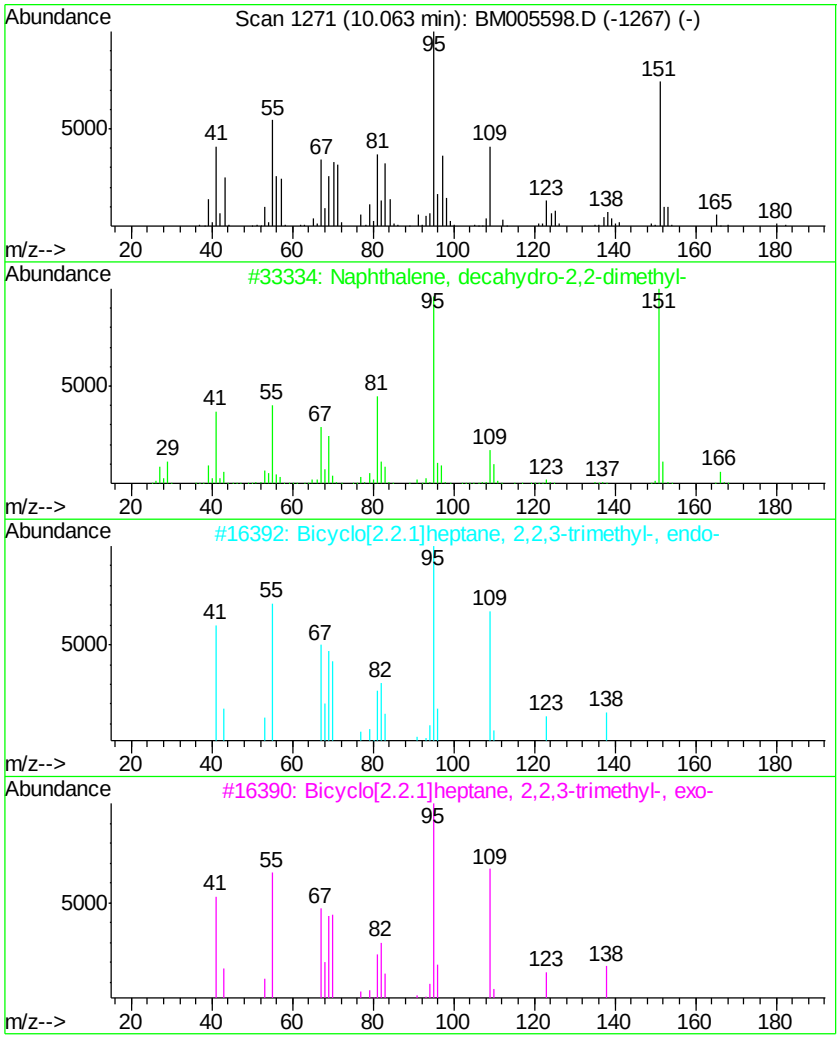
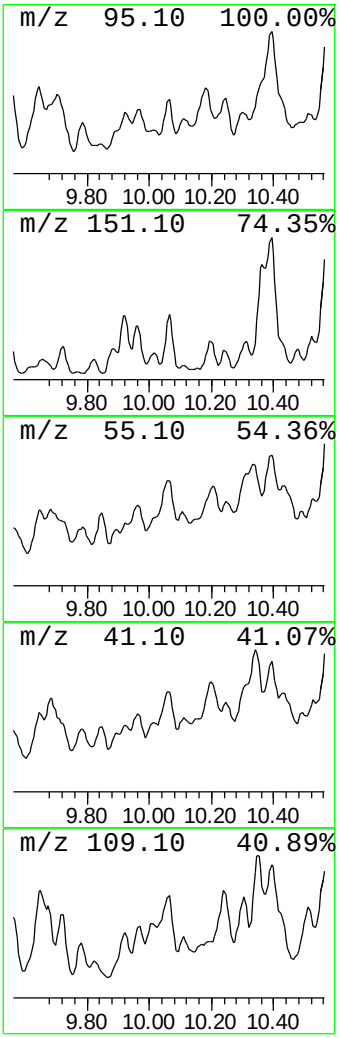
Peak Number 43 (DEL) Alkane: Branched-10.06 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	6.47 ng/ul	1367470	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,2-dimet...	166	C12H22	031124-85-3	53
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	43
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	43
4	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	38
5	Imidazo(1,2-a)pyrimidine, 6-meth...	151	C7H9N3O	026955-11-3	27





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Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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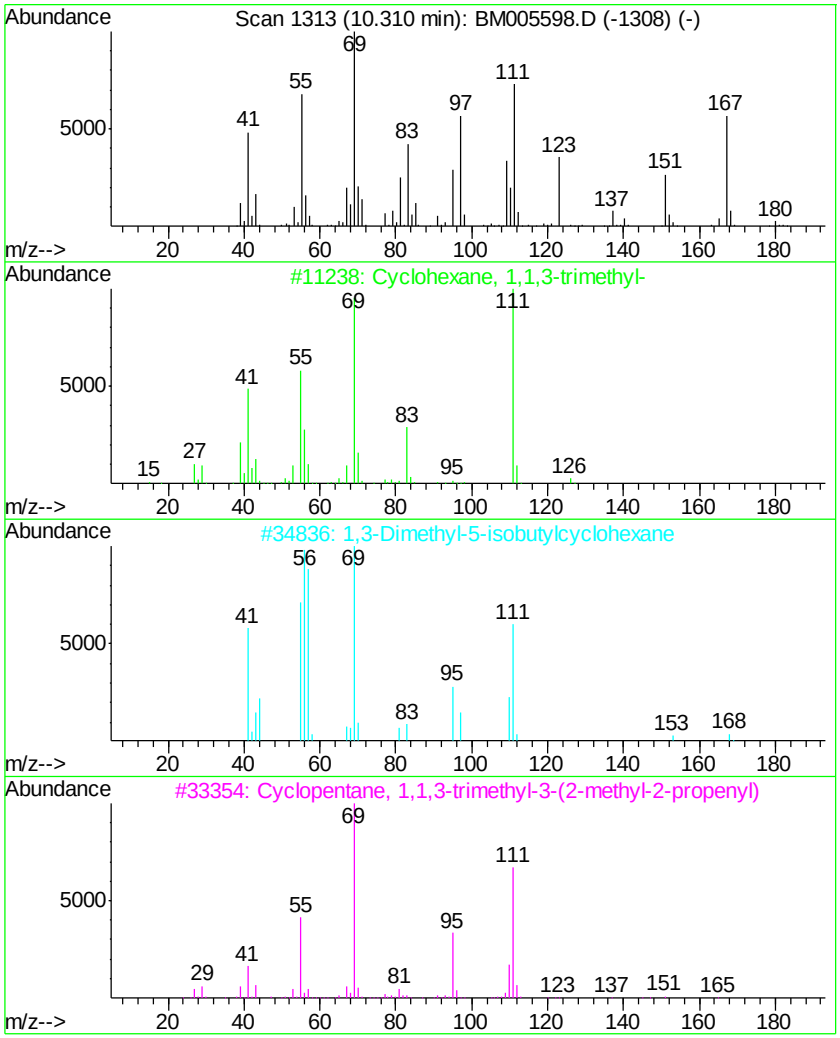
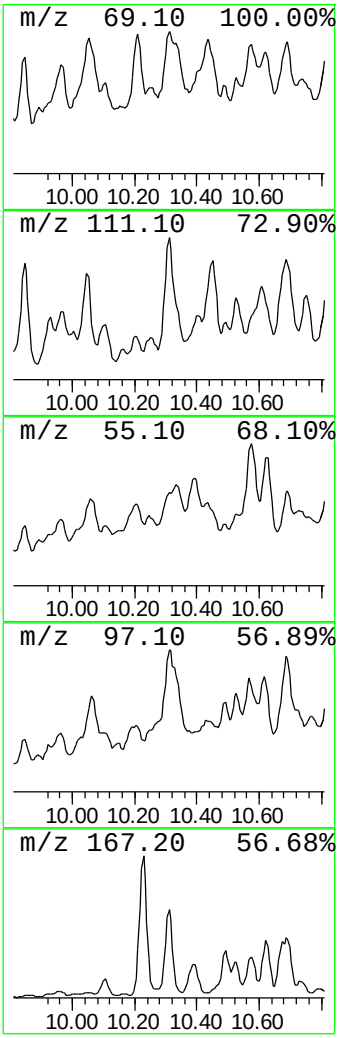
Peak Number 44 (DEL) Alkane: Cyclic-10.31 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	5.38 ng/ul	1137080	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	41
2	1,3-Dimethyl-5-isobutylcyclohexane	168	C12H24	013131-76-5	35
3	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	35
4	cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	35
5	Cyclooctane, ethyl-	140	C10H20	013152-02-8	30





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Quant Title : SVOA CALIBRATION

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

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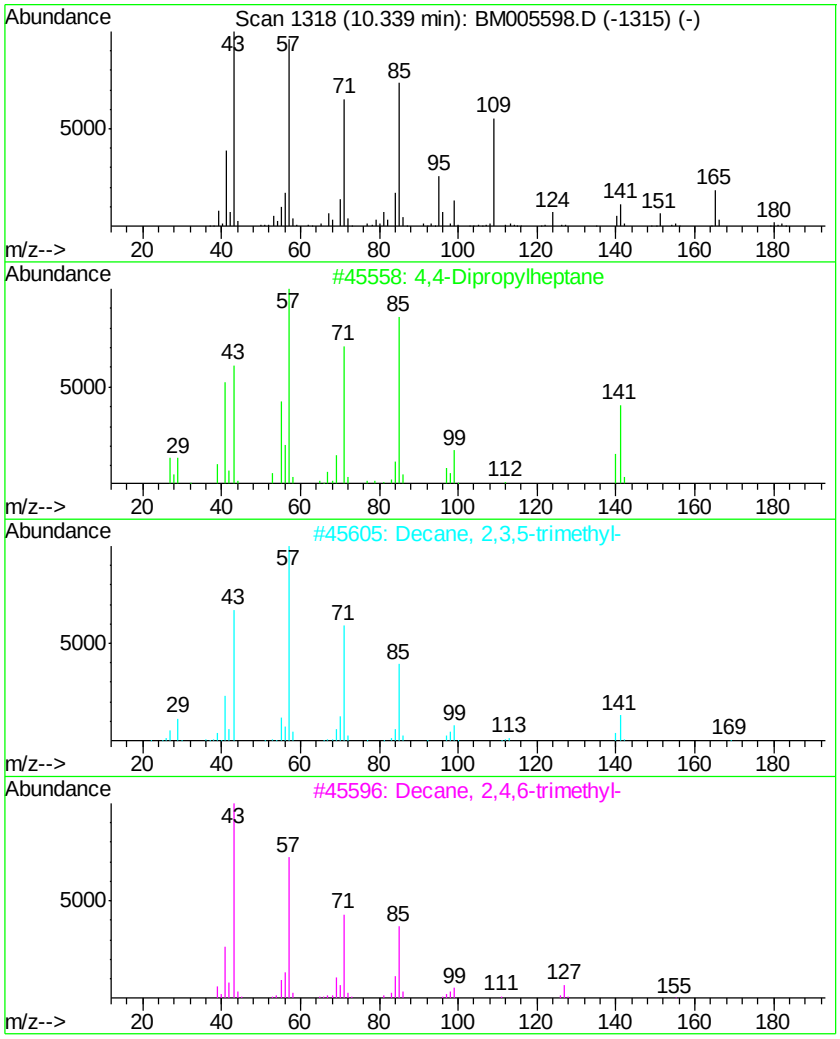
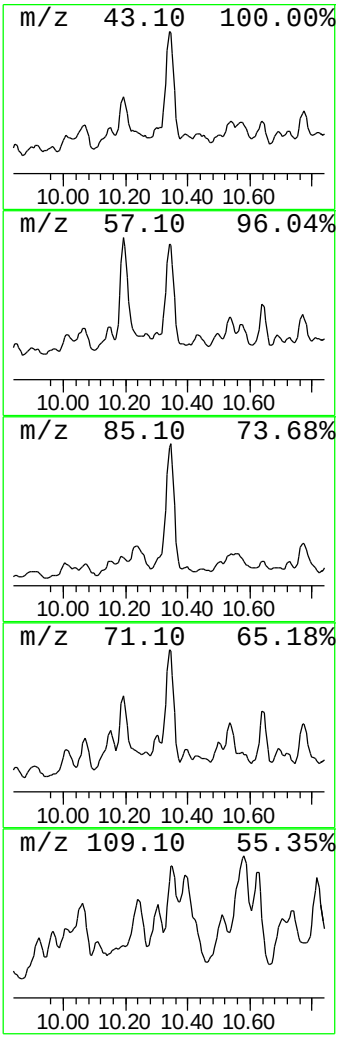
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	8.77 ng/ul	1854280	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dipropylheptane	184	C13H28	017312-72-0	53
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	50
3	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	50
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	38





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Quant Title : SVOA CALIBRATION

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

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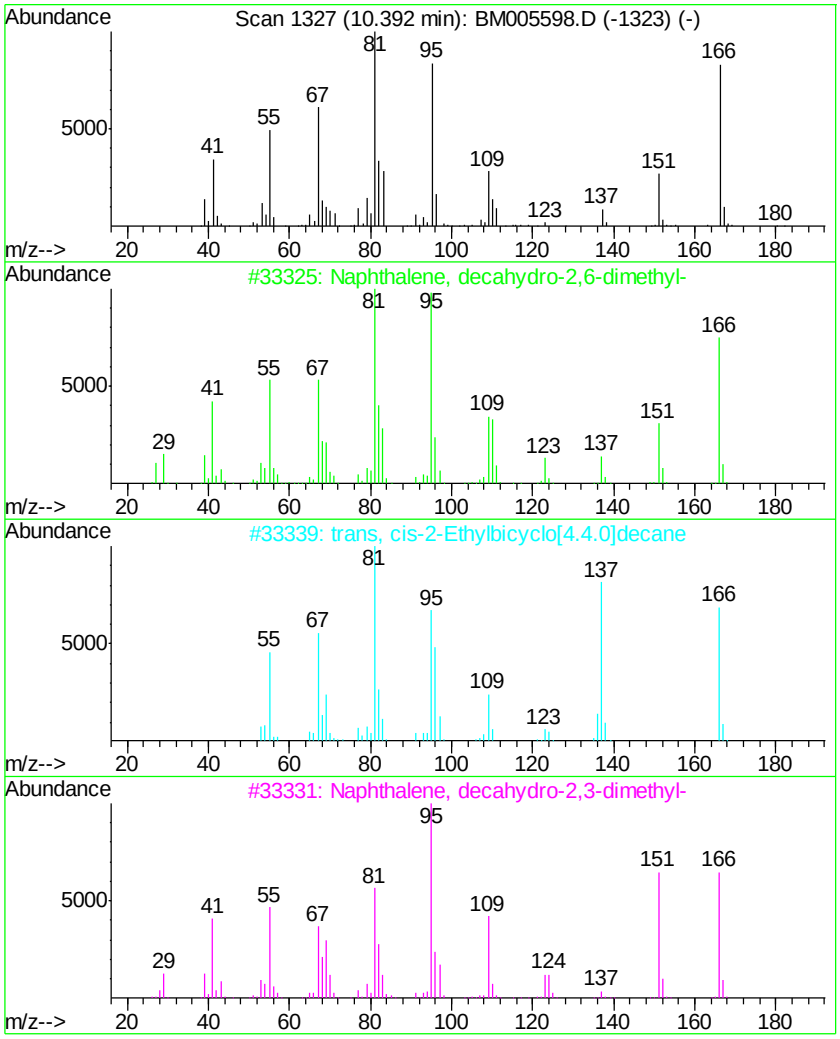
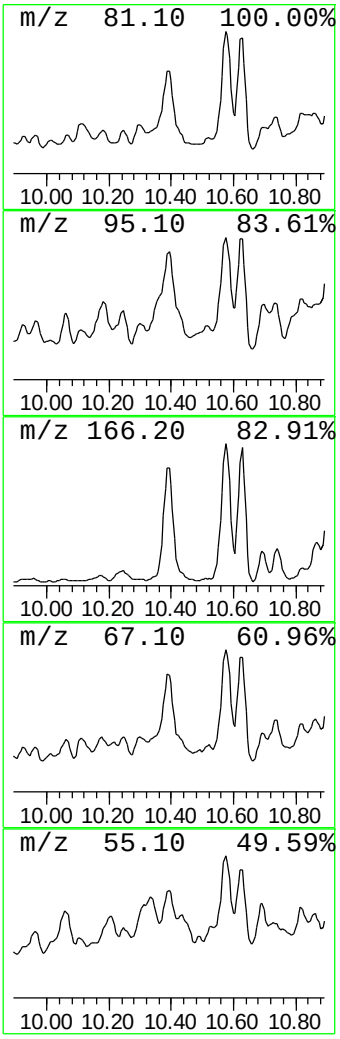
Peak Number 46 (DEL) Alkane: Branched-10.39 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	8.53 ng/ul	1804130	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	94
2	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	83
3	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	52
4	Tricyclo[4.3.1.1(3,8)]undecan-3-ol	166	C11H18O	014504-80-4	49
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	42





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ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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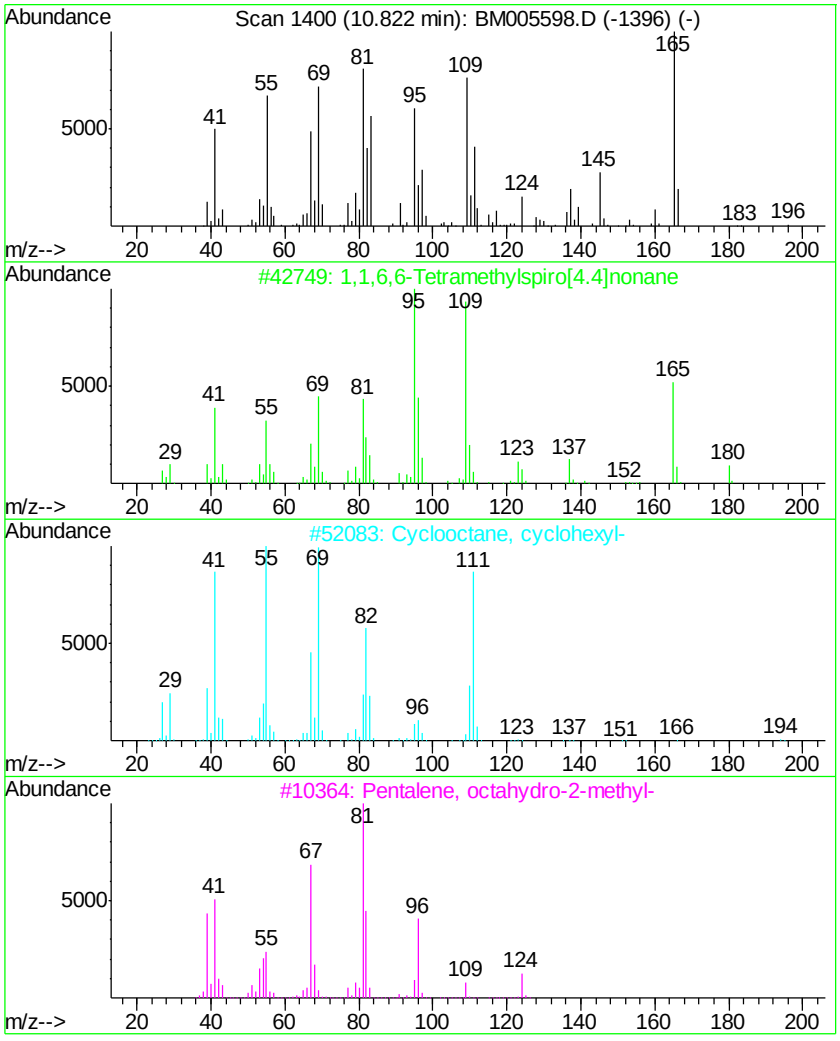
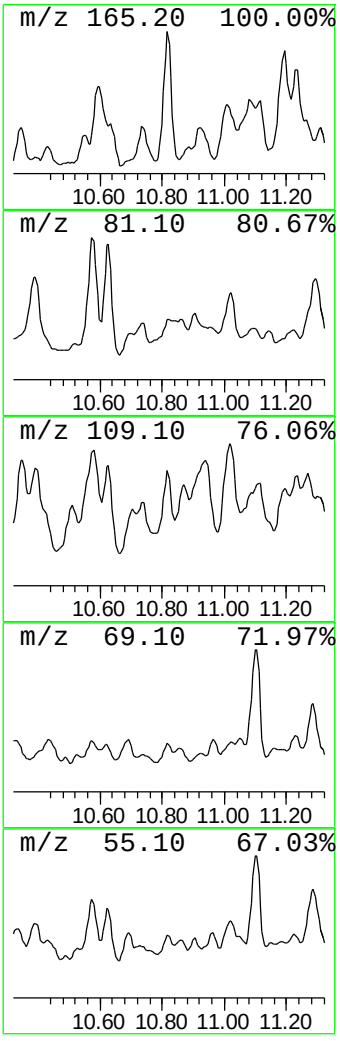
Peak Number 47 (DEL) Alkane: Branched-10.82 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	4.53 ng/ul	956868	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,6,6-Tetramethylspiro[4.4]nonane	180	C13H24	074054-92-5	38
2	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	35
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	25
4	2'-Ethoxyformanilide	165	C9H11NO2	086796-85-2	25
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	25





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Quant Title : SVOA CALIBRATION

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

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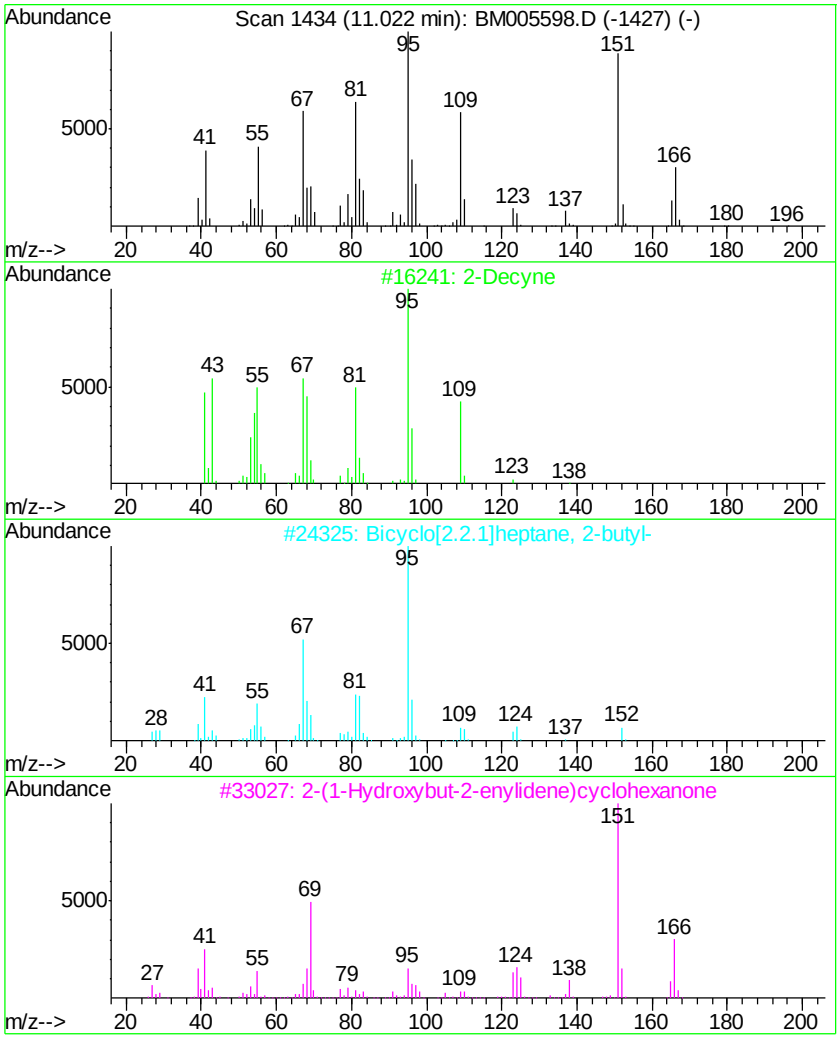
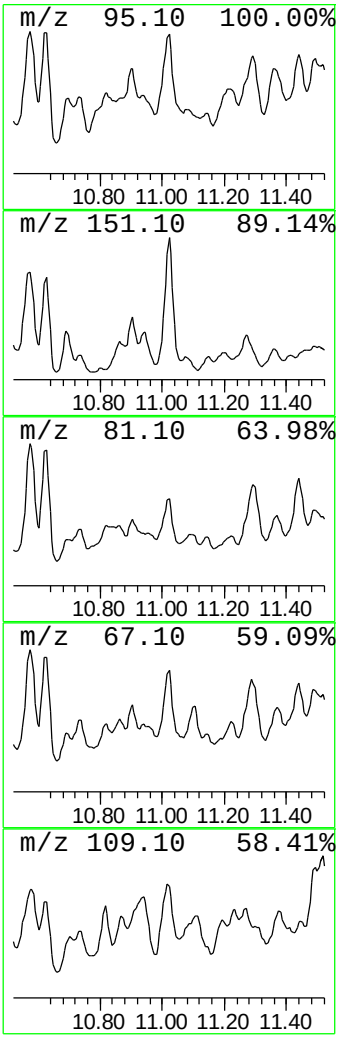
Peak Number 48 (DEL) Alkane: Branched-11.02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	15.11 ng/ul	3194750	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decyne	138	C10H18	002384-70-5	49
2	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	45
3	2-(1-Hydroxybut-2-enylidene)cycl...	166	C10H14O2	1000186-18-9	43
4	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	35
5	Norbornane, 2-isobutyl-	152	C11H20	018127-14-5	30





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Quant Title : SVOA CALIBRATION

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

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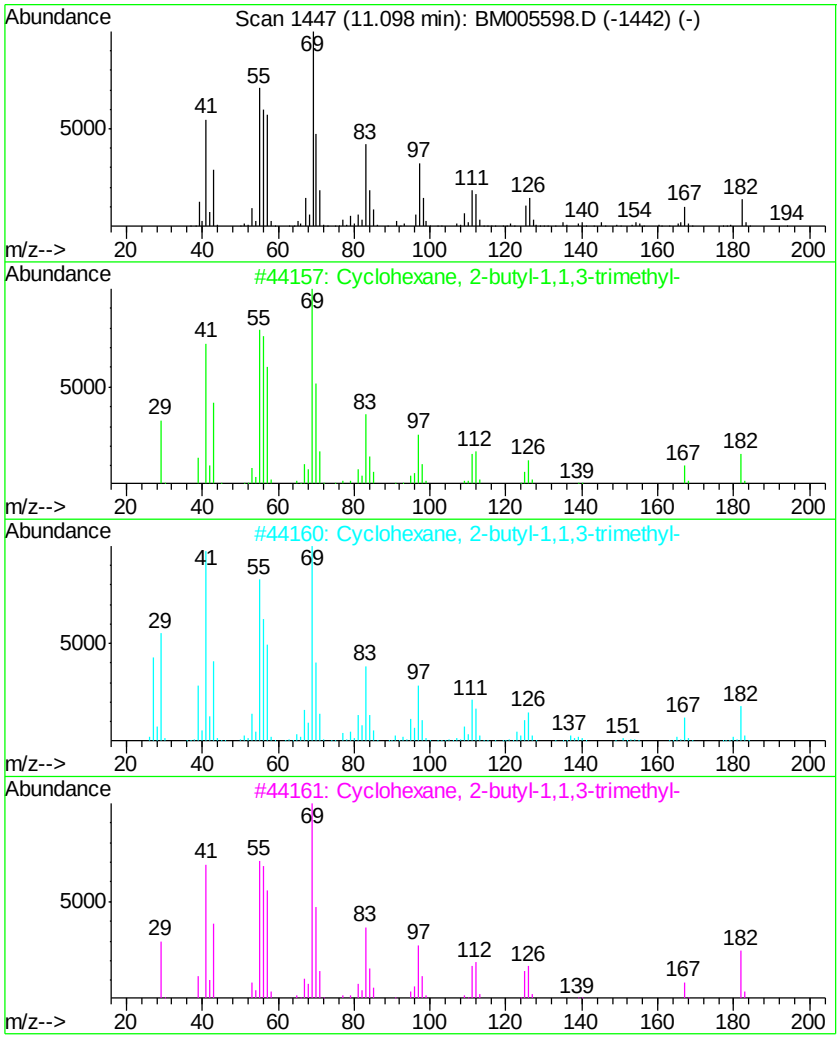
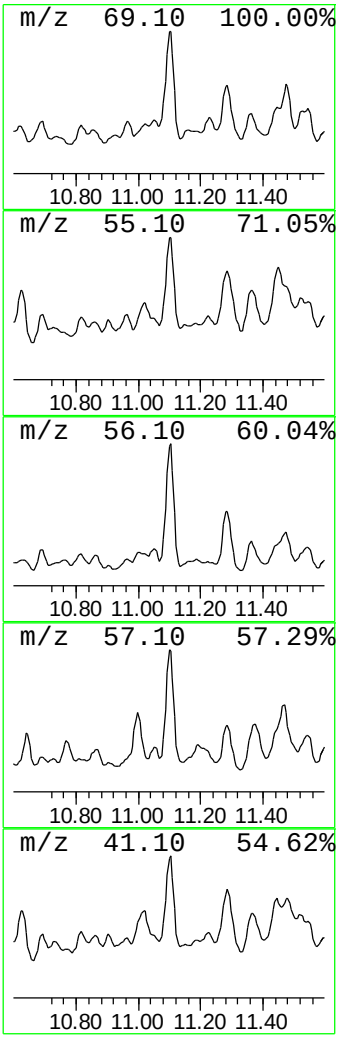
Peak Number 49 (DEL) Alkane: Cyclic-11.10 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	20.97 ng/ul	4433960	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	95
2	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	94
3	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	90
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	87
5	3-Dodecene, (E)-	168	C12H24	007206-14-6	64





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ClientSampleId : JHGK9

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Quant Title : SVOA CALIBRATION

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

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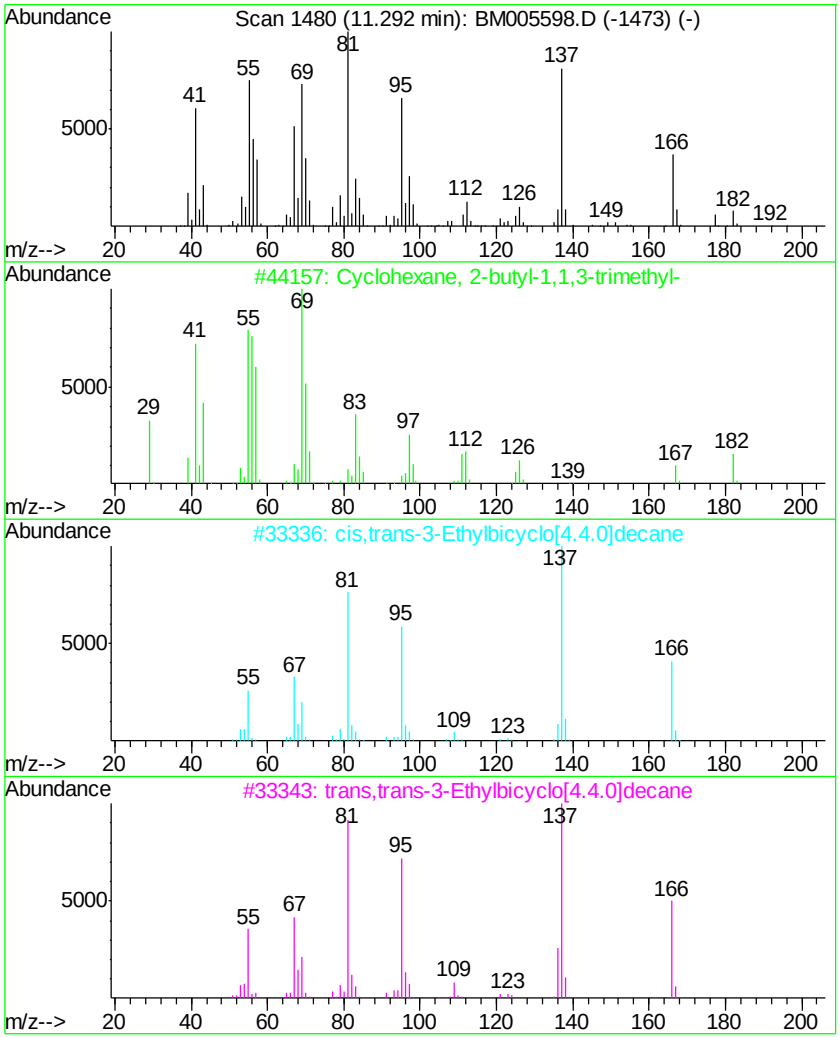
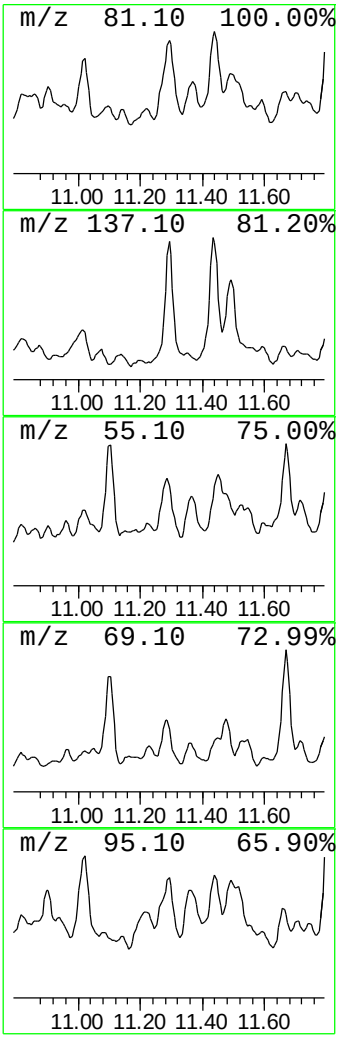
Peak Number 50 (DEL) Alkane: Cyclic-11.29 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	24.23 ng/ul	5122680	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	94
2	cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	55
3	trans,trans-3-Ethylbicyclo[4.4.0...	166	C12H22	058462-32-1	50
4	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	46
5	4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	38





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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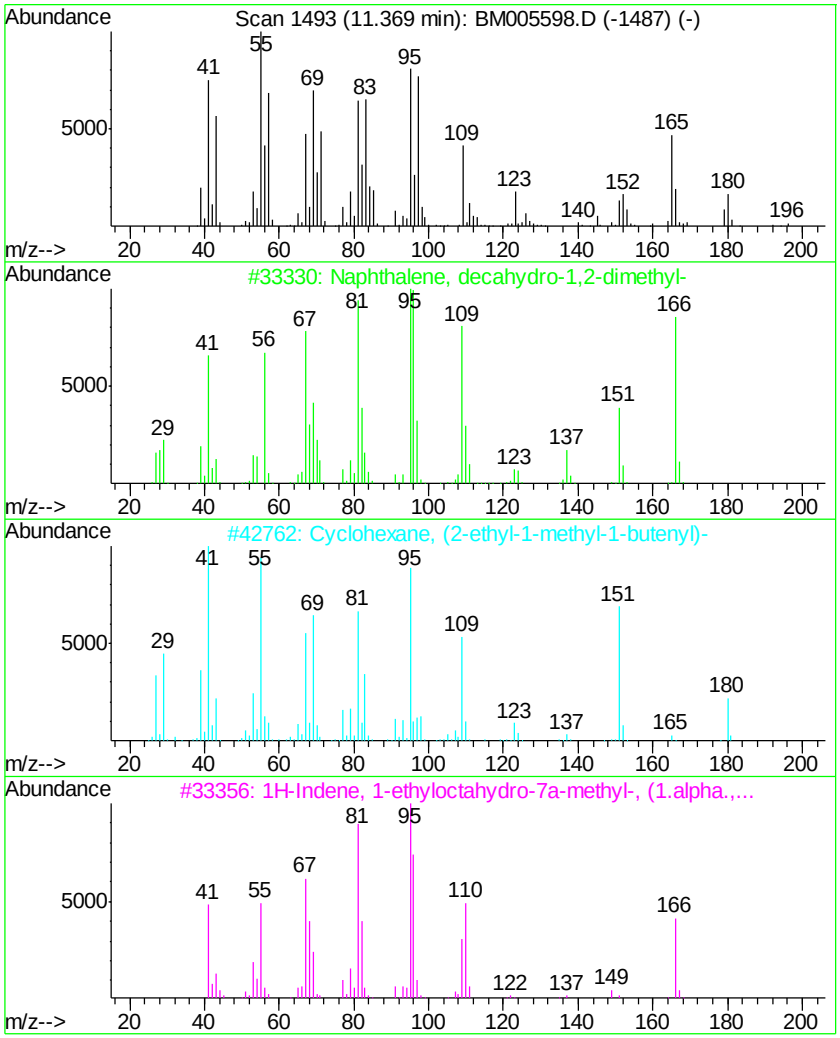
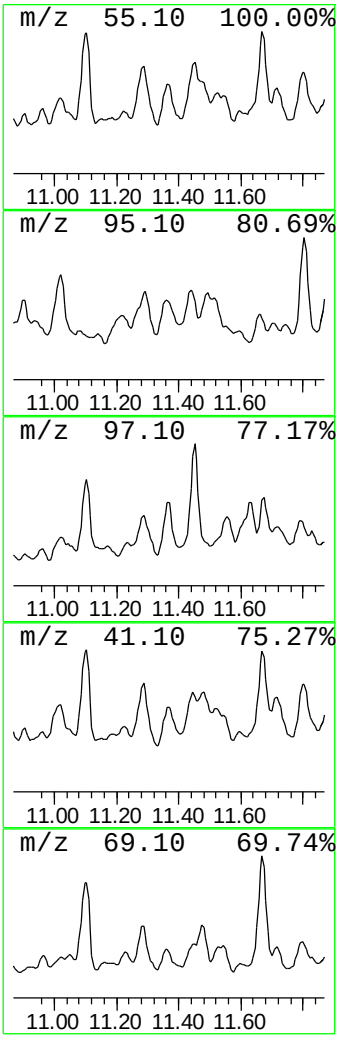
Peak Number 51 (DEL) Alkane: Branched-11.37 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	17.12 ng/ul	3620930	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	46
2	Cyclohexane, (2-ethyl-1-methyl-1...	180	C13H24	074810-42-7	38
3	1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	30
4	trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	30
5	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	22





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Quant Title : SVOA CALIBRATION

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

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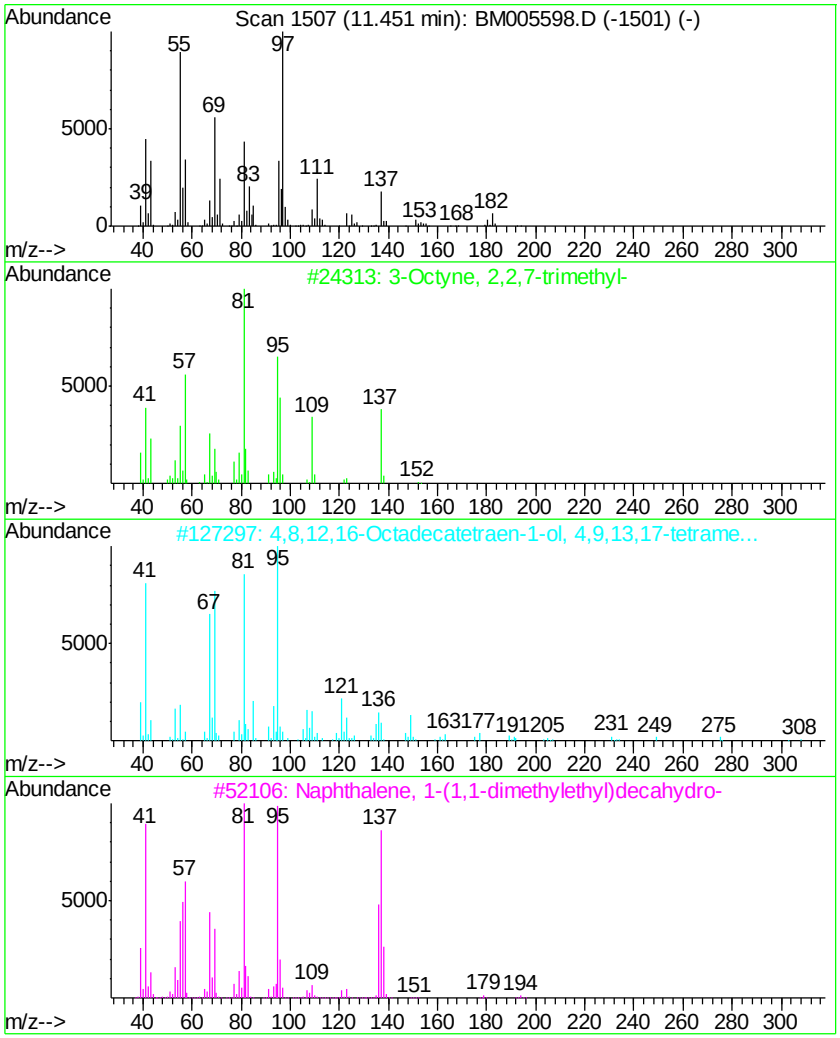
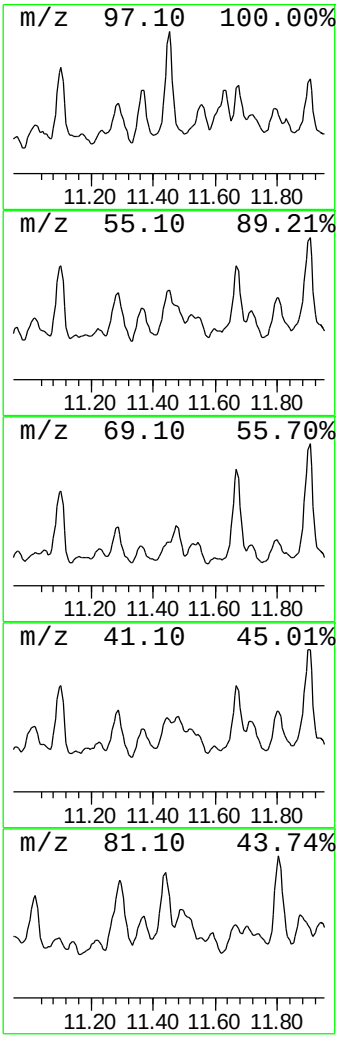
Peak Number 52 (DEL) Alkane: Branched-11.45 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	12.35 ng/ul	2612010	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octyne, 2,2,7-trimethyl-	152	C11H20	055402-13-6	43
2	4,8,12,16-Octadecatetraen-1-ol, ...	318	C22H38O	1000142-00-0	35
3	Naphthalene, 1-(1,1-dimethylethy...	194	C14H26	056292-64-9	25
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	18
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	18





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Quant Title : SVOA CALIBRATION

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

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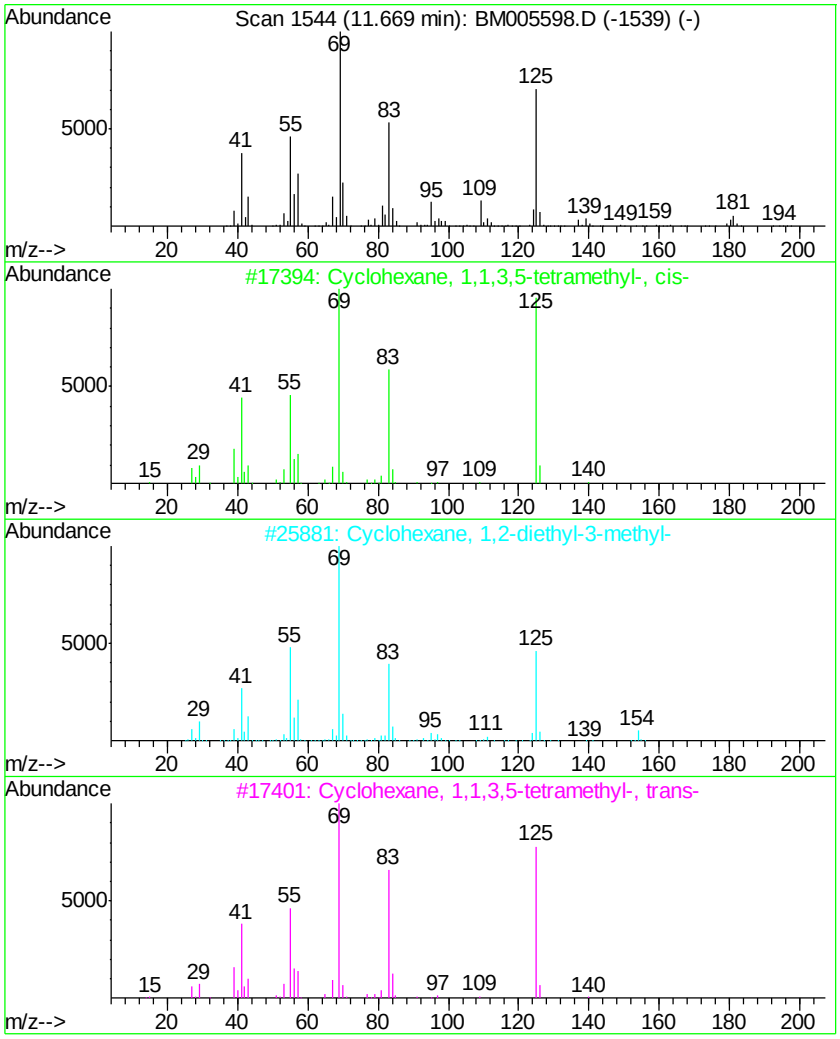
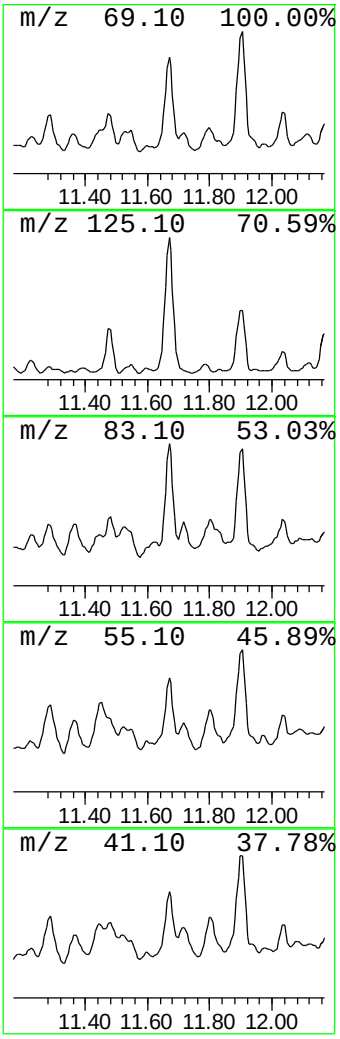
Peak Number 53 (DEL) Alkane: Cyclic-11.67 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	20.86 ng/ul	4411210	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	72
2	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	72
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	64
4	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	59
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	59





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Quant Title : SVOA CALIBRATION

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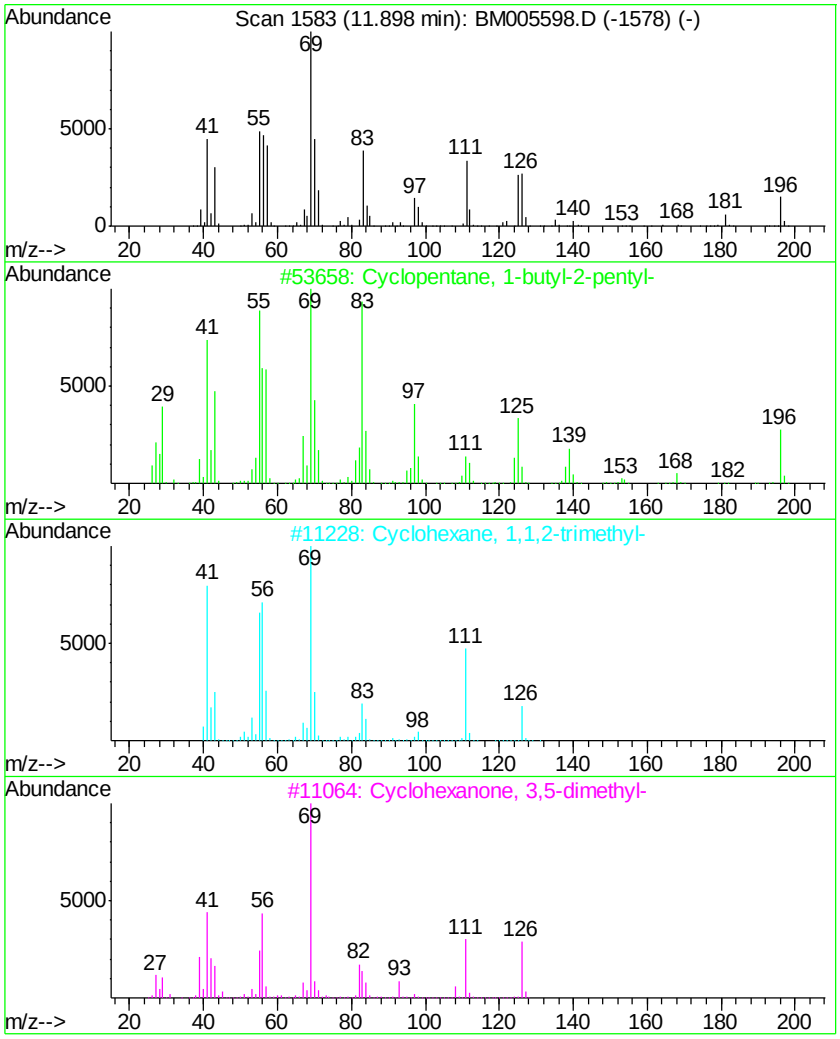
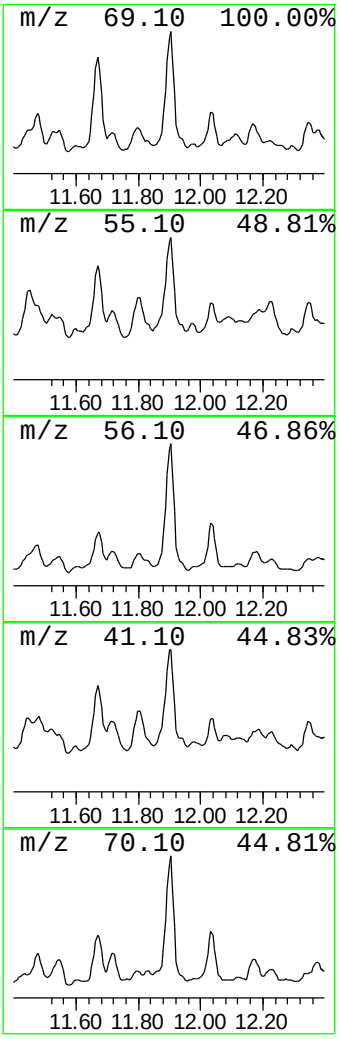
Peak Number 55 (DEL) Alkane: Cyclic-11.90 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	30.10 ng/ul	6364610	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-pentyl-	196	C14H28	061142-52-7	59
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	53
3	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	50
4	cis-3,5-Dimethylcyclohexanone	126	C8H14O	007214-49-5	47
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

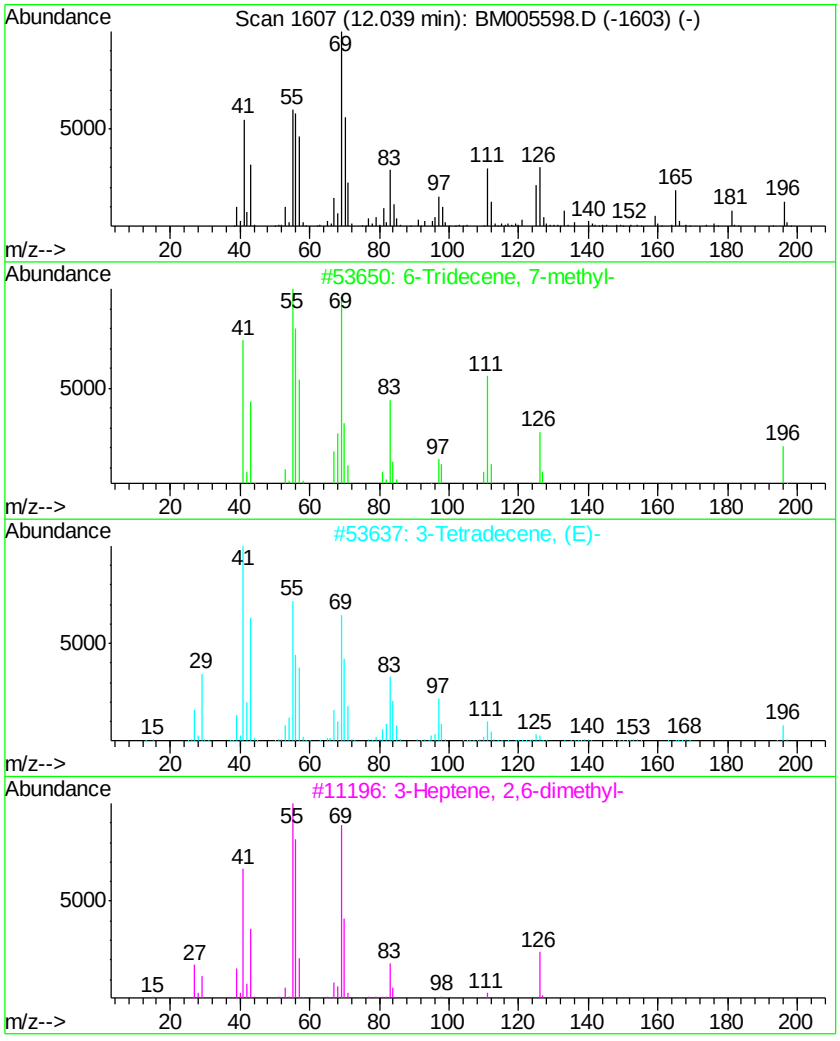
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

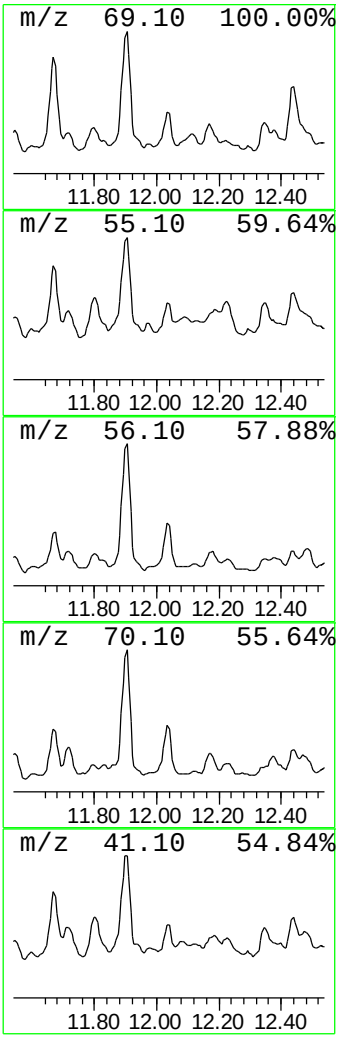
****

Peak Number 56 (DEL) Alkane: Cyclic-12.04 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.75 ng/ul	1427100	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	66
2	3-Tetradecene, (E)-	196	C14H28	041446-68-8	64
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	62
4	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	52
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	52





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Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

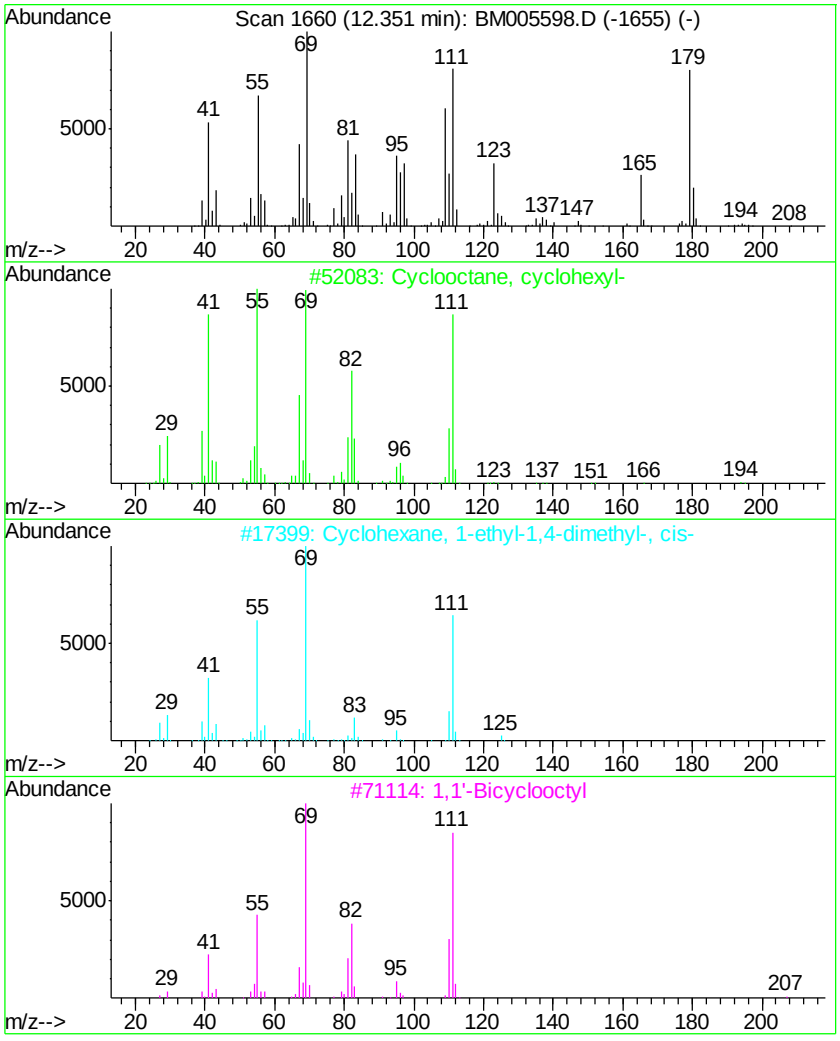
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

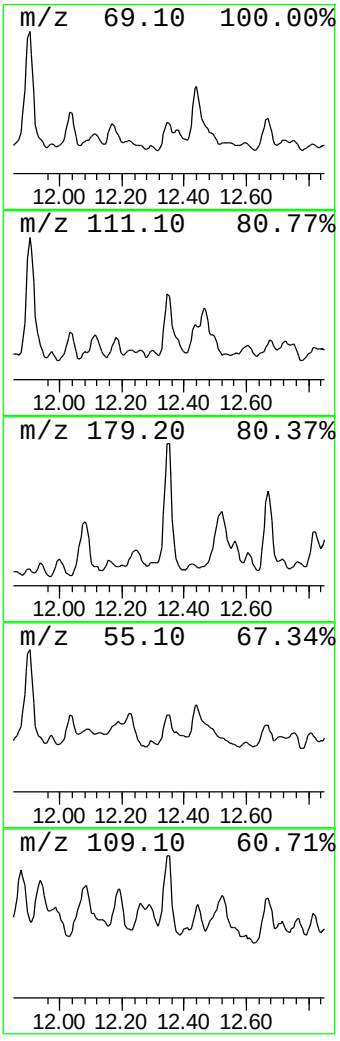
****

Peak Number 57 (DEL) Alkane: Branched-12.35 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	13.53 ng/ul	2861640	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	46
2	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	35
3	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	35
4	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	35
5	cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

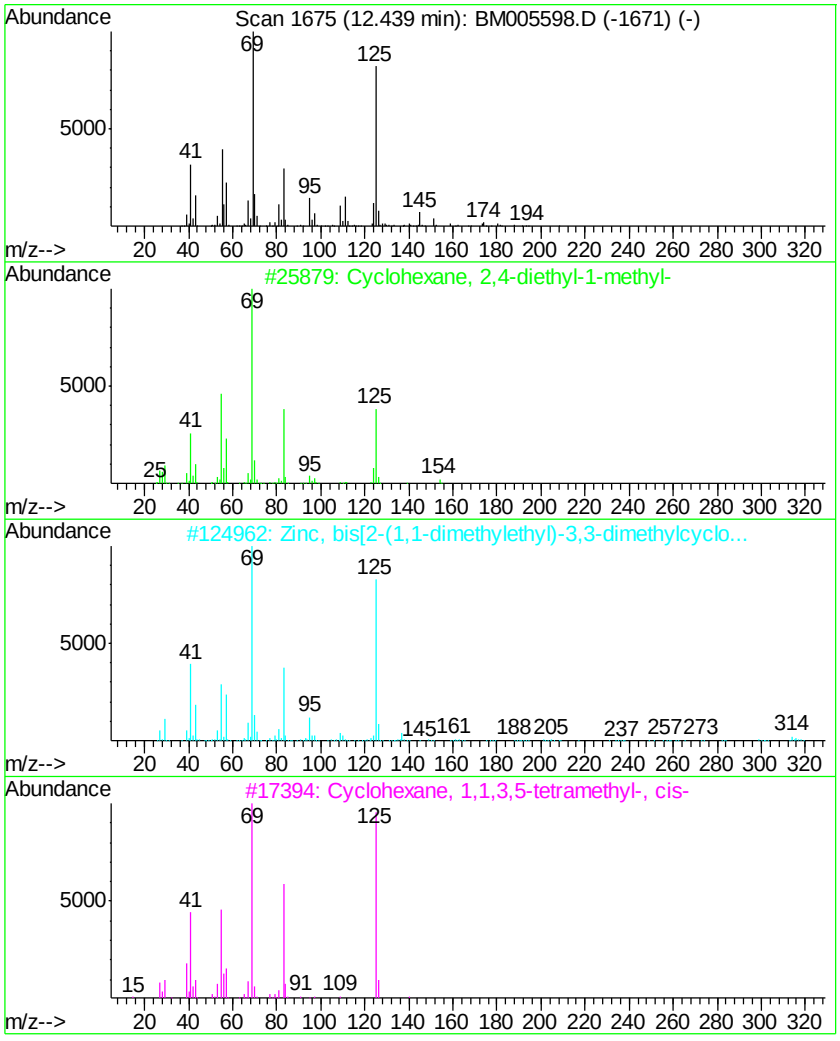
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

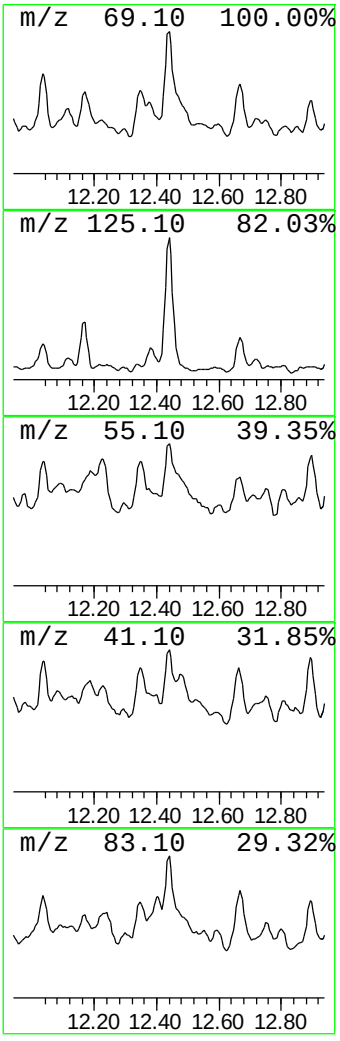
****

Peak Number 58 (DEL) Alkane: Cyclic-12.44 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	10.98 ng/ul	2322730	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	72
2	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	72
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	58
4	4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	56
5	4N-Methylcytosine	125	C5H7N3O	006220-47-9	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

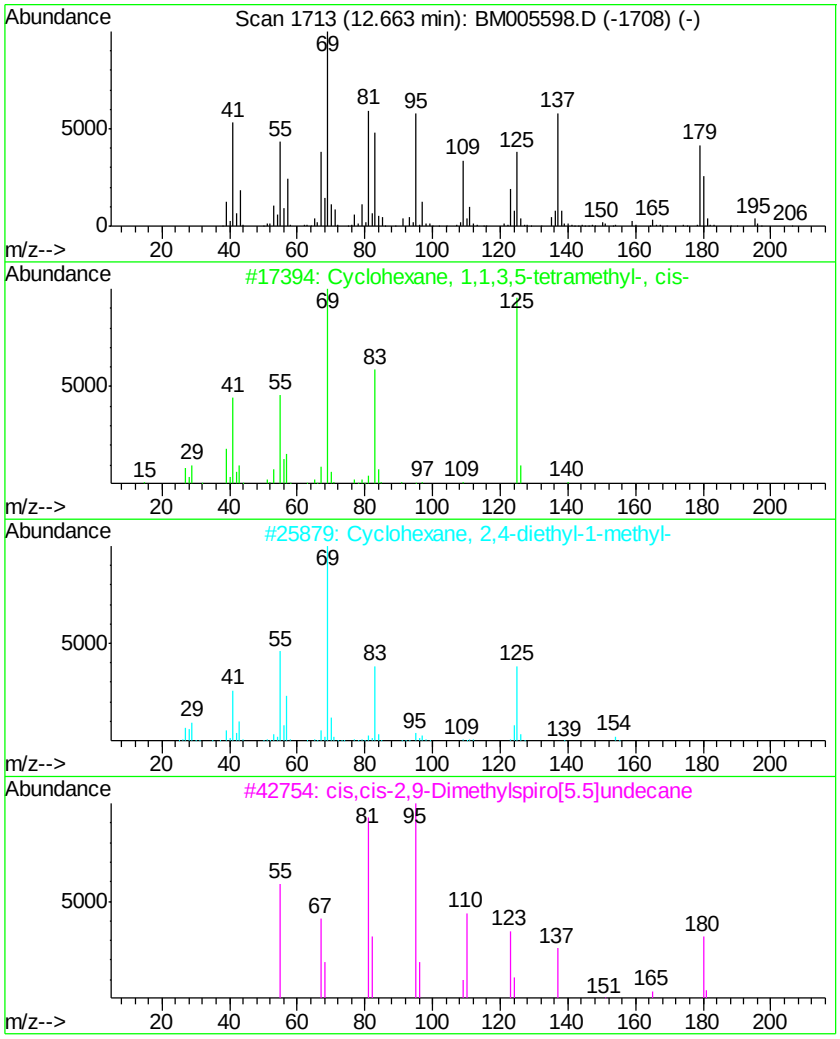
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

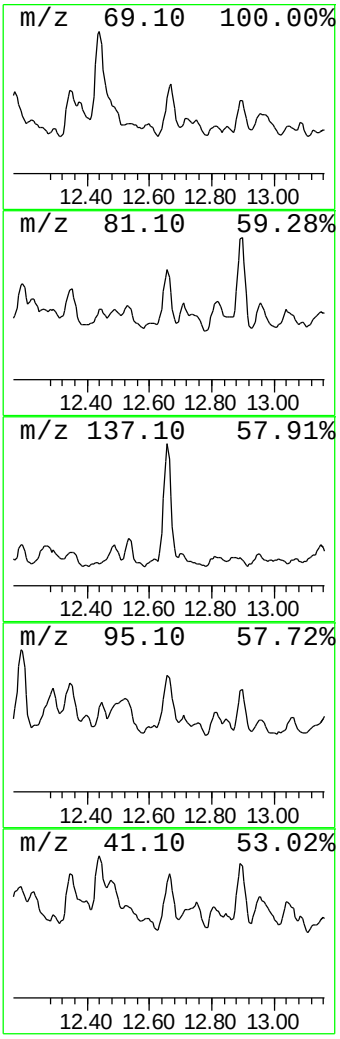
****

Peak Number 59 (DEL) Alkane: Cyclic-12.66 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	28.40 ng/ul	2546670	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	27
2	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	27
3	cis,cis-2,9-Dimethylspiro[5.5]un...	180	C13H24	095472-51-8	25
4	Cyclopropane, 1,1-dimethyl-2-(2-...	110	C8H14	036939-15-8	22
5	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	22





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

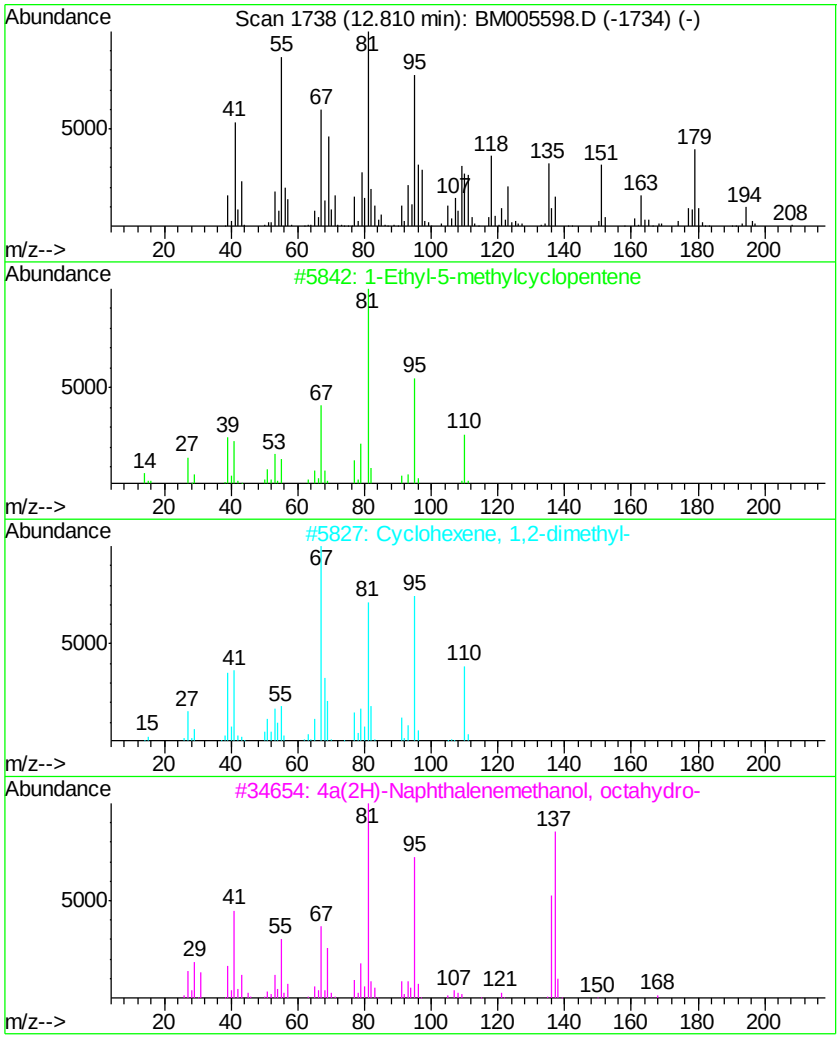
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

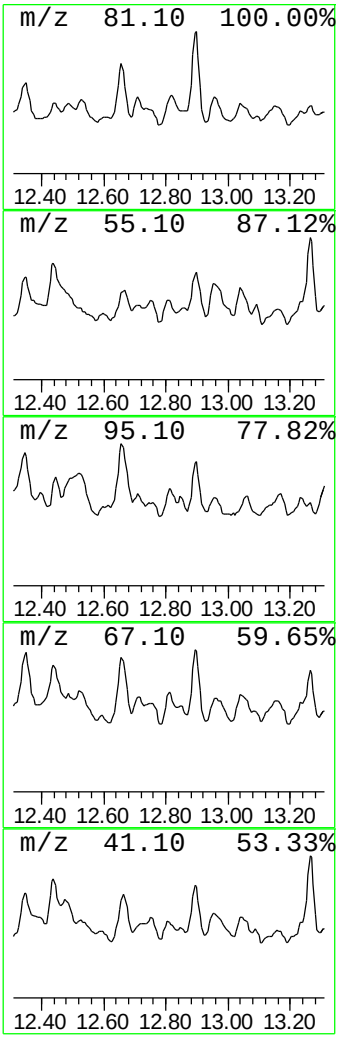
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Branched-12.81 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	14.28 ng/ul	1280090	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	55
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	49
3	4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	35
4	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	30
5	1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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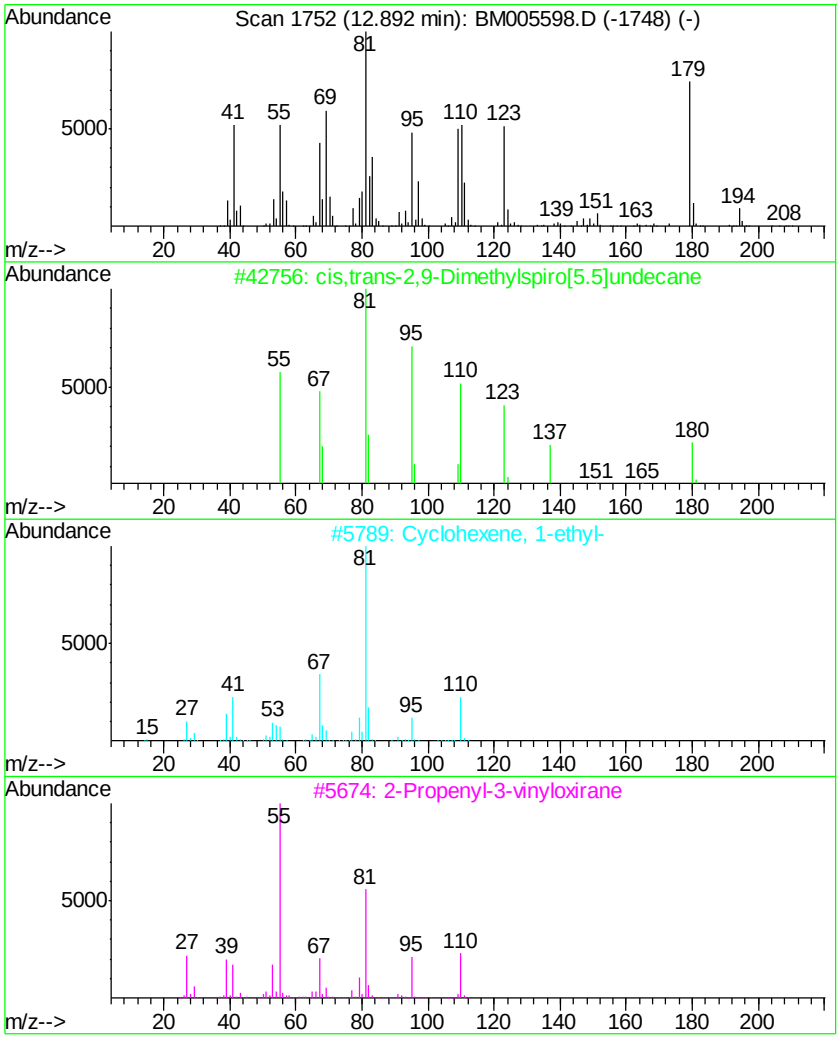
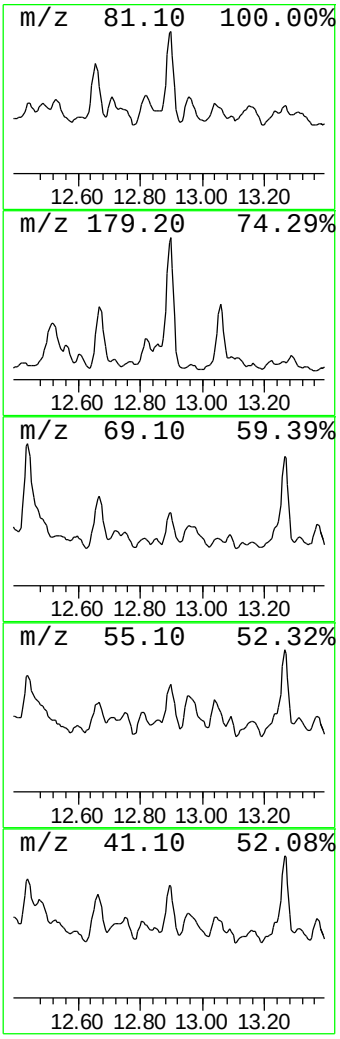
Peak Number 61 (DEL) Alkane: Branched-12.89 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	36.14 ng/ul	3240610	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,trans-2,9-Dimethylspiro[5.5]...	180	C13H24	095530-74-8	49
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	30
3	2-Propenyl-3-vinyloxirane	110	C7H10O	070597-49-8	27
4	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	27
5	Cyclohexene,3-(1-methylpropyl)-	138	C10H18	015232-91-4	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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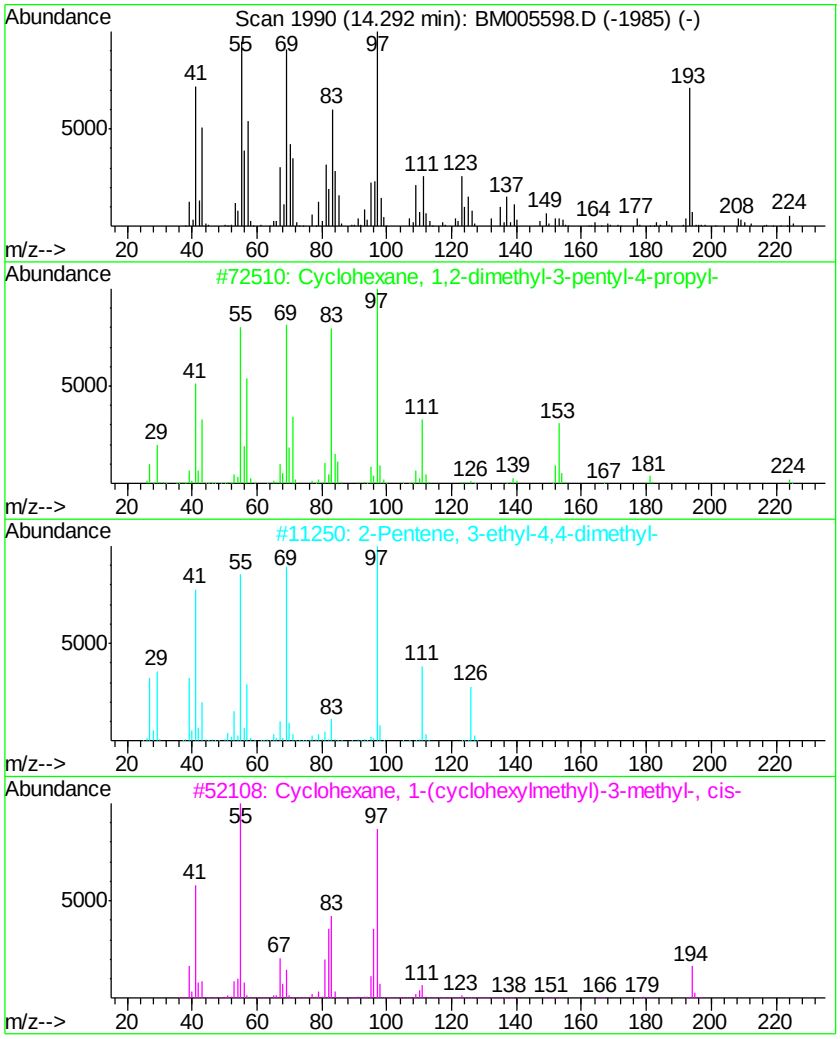
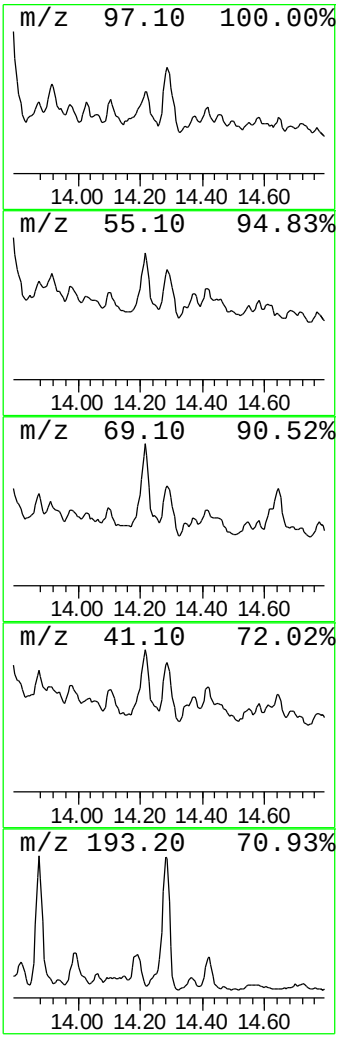
Peak Number 62 (DEL) Alkane: Cyclic-14.29 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	20.49 ng/ul	1837000	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	38
2	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	27
3	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-96-0	18
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	18
5	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054824-04-3	18





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

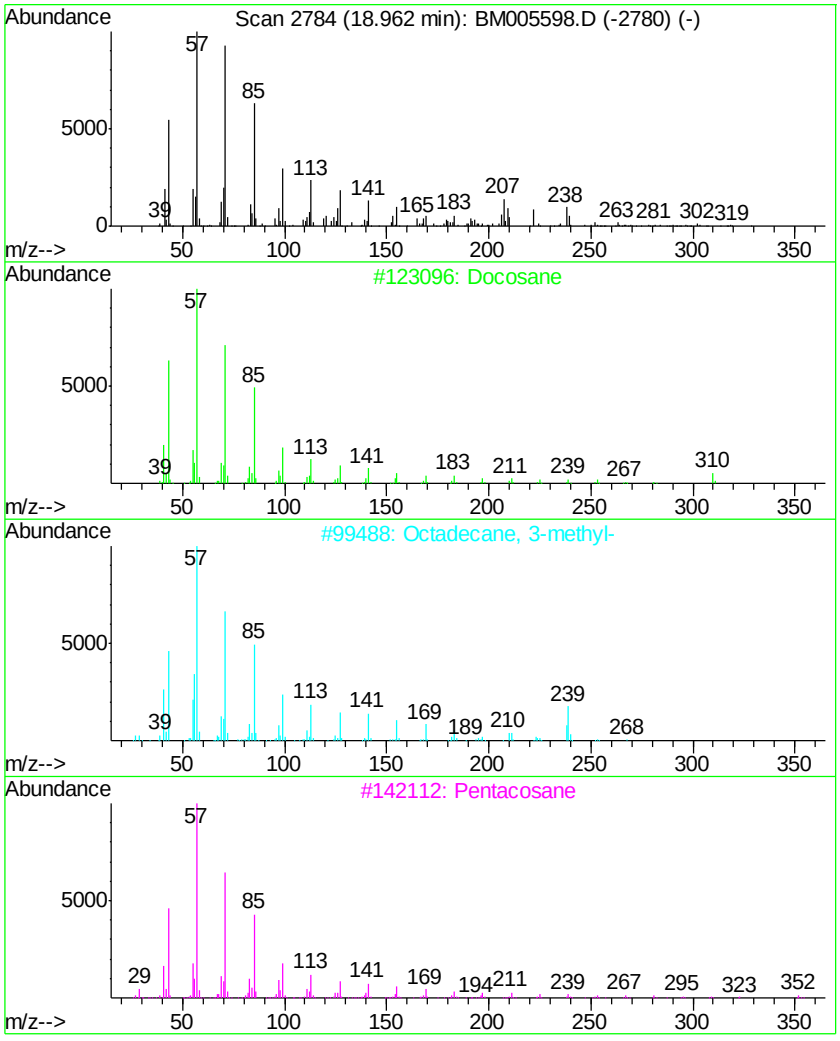
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

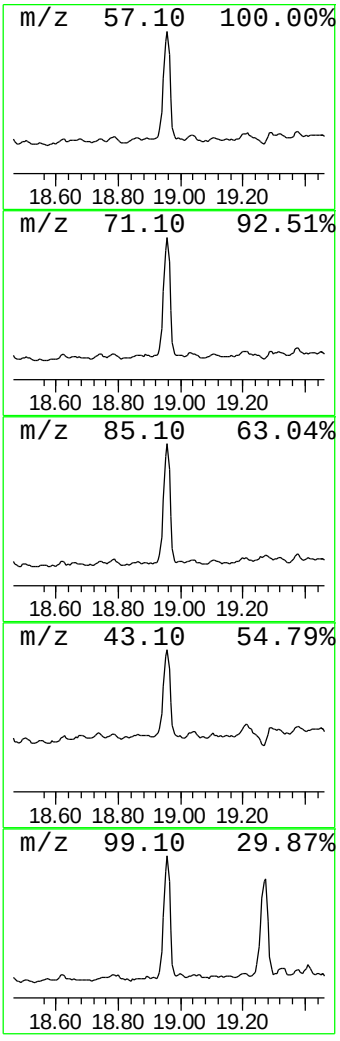
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	45.13 ng/ul	2095390	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	86
2	Octadecane, 3-methyl-	268	C19H40	006561-44-0	86
3	Pentacosane	352	C25H52	000629-99-2	68
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
5	Heneicosane	296	C21H44	000629-94-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	5.45	7.3	ng/ul	602372	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	5.70	17.4	ng/ul	1435350	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	5.82	7.0	ng/ul	577082	1	7.82	1653540	20.0
Cyclopentanone, 2...	5.92	21.8	ng/ul	1802660	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.07	42.2	ng/ul	3492450	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.22	14.0	ng/ul	1154910	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.29	8.4	ng/ul	696218	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.37	45.7	ng/ul	3777190	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.41	11.2	ng/ul	923731	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.50	57.9	ng/ul	4785730	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	6.63	23.8	ng/ul	1971180	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	6.70	9.5	ng/ul	784586	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.74	3.5	ng/ul	287215	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.78	13.0	ng/ul	1074940	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	6.85	43.3	ng/ul	3577480	1	7.82	1653540	20.0
unknown-01	6.92	8.5	ng/ul	706029	1	7.82	1653540	20.0
Bicyclo[3.1.0]hex...	7.20	7.1	ng/ul	588153	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	7.41	114.1	ng/ul	9432590	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	7.49	27.8	ng/ul	2298580	1	7.82	1653540	20.0
unknown-02	7.56	39.2	ng/ul	3242970	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	7.64	51.0	ng/ul	4220770	1	7.82	1653540	20.0
Bicyclo[3.1.1]hep...	7.75	125.9	ng/ul	10409700	1	7.82	1653540	20.0
unknown-03	7.89	25.5	ng/ul	2109450	1	7.82	1653540	20.0
2H-Pyran, tetrahy...	7.94	18.6	ng/ul	1536850	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	7.99	86.9	ng/ul	7185420	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	8.05	7.7	ng/ul	633143	1	7.82	1653540	20.0
unknown-04	8.09	29.3	ng/ul	2423210	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	8.18	14.3	ng/ul	1184880	1	7.82	1653540	20.0
2-Thiophenecarbox...	8.22	15.6	ng/ul	1288200	1	7.82	1653540	20.0
Furan, 2-ethyl-5-...	8.30	4.6	ng/ul	377856	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	8.37	22.2	ng/ul	1831750	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	8.45	2.6	ng/ul	216213	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	8.69	29.4	ng/ul	2430890	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	8.78	6.0	ng/ul	493103	1	7.82	1653540	20.0
(DEL) Alkane: Cyc...	8.87	22.9	ng/ul	1896800	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	9.15	28.6	ng/ul	2362640	1	7.82	1653540	20.0
(DEL) Alkane: Bra...	9.35	7.9	ng/ul	1663850	2	10.61	4229000	20.0
(DEL) Alkane: Bra...	9.40	6.9	ng/ul	1456100	2	10.61	4229000	20.0
(DEL) Alkane: Bra...	10.06	6.5	ng/ul	1367470	2	10.61	4229000	20.0
(DEL) Alkane: Cyc...	10.31	5.4	ng/ul	1137080	2	10.61	4229000	20.0
(DEL) Alkane: Str...	10.34	8.8	ng/ul	1854280	2	10.61	4229000	20.0
(DEL) Alkane: Bra...	10.39	8.5	ng/ul	1804130	2	10.61	4229000	20.0
(DEL) Alkane: Bra...	10.82	4.5	ng/ul	956868	2	10.61	4229000	20.0
(DEL) Alkane: Bra...	11.02	15.1	ng/ul	3194750	2	10.61	4229000	20.0
(DEL) Alkane: Cyc...	11.10	21.0	ng/ul	4433960	2	10.61	4229000	20.0
(DEL) Alkane: Cyc...	11.29	24.2	ng/ul	5122680	2	10.61	4229000	20.0
(DEL) Alkane: Bra...	11.37	17.1	ng/ul	3620930	2	10.61	4229000	20.0
(DEL) Alkane: Bra...	11.45	12.4	ng/ul	2612010	2	10.61	4229000	20.0
(DEL) Alkane: Cyc...	11.67	20.9	ng/ul	4411210	2	10.61	4229000	20.0

(DEL) Alkane: Cyc...	11.90	30.1	ng/ul	6364610	2	10.61	4229000	20.0	
(DEL) Alkane: Cyc...	12.04	6.8	ng/ul	1427100	2	10.61	4229000	20.0	
(DEL) Alkane: Bra...	12.35	13.5	ng/ul	2861640	2	10.61	4229000	20.0	
(DEL) Alkane: Cyc...	12.44	11.0	ng/ul	2322730	2	10.61	4229000	20.0	
(DEL) Alkane: Cyc...	12.66	28.4	ng/ul	2546670	3	14.45	1793270	20.0	**Instrument :** BNA_M **ClientSampleId :** JHGK9
(DEL) Alkane: Bra...	12.81	14.3	ng/ul	1280090	3	14.45	1793270	20.0	
(DEL) Alkane: Bra...	12.89	36.1	ng/ul	3240610	3	14.45	1793270	20.0	
(DEL) Alkane: Cyc...	14.29	20.5	ng/ul	1837000	3	14.45	1793270	20.0	
(DEL) Alkane: Str...	18.96	45.1	ng/ul	2095390	4	17.19	928510	20.0	