LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

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-BM062216.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	3.440	141	145	153	rBV	87466	125643	2.83%	0.159%
2	5.557	498	505	510	rBV2	29635	49957	1.12%	0.063%
3	5.640	513	519	522	rBV	40121	60567	1.36%	0.077%
4	5.698	522	529	536	rVB7	30760	63463	1.43%	0.080%
5	5.775	536	542	551	rVB4	24463	51603	1.16%	0.065%
6	5.857	551	556	564	rBV3	29490	58139	1.31%	0.074%
7	5.951	564	572	580	rBV4	103623	275716	6.20%	0.349%
8	6.075	585	593	598	rVB3	64620	152158	3.42%	0.192%
9	6.157	602	607	614	rBV3	136557	227823	5.13%	0.288%
10	6.234	614	620	624	rBV	220386	335752	7.55%	0.425%
11	6.281	624	628	630	rBV	72209	101357	2.28%	0.128%
12	6.310	630	633	635	rBV2	74274	97698	2.20%	0.124%
13	6.340	635	638	648	rVB2	212933	374326	8.42%	0.473%
14	6.428	648	653	658	rVB3	70650	126396	2.84%	0.160%
15	6.487	658	663	669	rVB4	87969	149019	3.35%	0.188%
16	6.551	669	674	676	rBV2	168166	264508	5.95%	0.335%
17	6.628	683	687	690	rBV	34635	60520	1.36%	0.077%
18	6.763	705	710	713	rBV3	126405	197833	4.45%	0.250%
19	6.828	713	721	738	rVB	1004127	2091966	47.07%	2.646%
20	6.998	738	750	755	rBV2	843381	1568088	35.28%	1.984%
21	7.045	755	758	763	rVB3	129777	194513	4.38%	0.246%
22	7.151	763	776	779	rBV5	264446	725096	16.32%	0.917%
23	7.192	779	783	799	rVB	1025555	2212459	49.78%	2.799%
24	7.316	799	804	807	rBV3	121486	217842	4.90%	0.276%
25	7.386	812	816	821	rVV3	109919	204467	4.60%	0.259%
26	7.434	821	824	826	rVV	66572	86008	1.94%	0.109%
27	7.475	826	831	840	rVV6	212703	561908	12.64%	0.711%
28	7.563	840	846	847	rVV2	159484	253815	5.71%	0.321%
29	7.592	848	851	854	rVV3	230330	384443	8.65%	0.486%
30	7.663	857	863	870	rVV	997151	1921602	43.24%	2.431%
31	7.734	870	875	880	rVV2	248647	501361	11.28%	0.634%
32	7.786	880	884	886	rVV4	111521	196955	4.43%	0.249%
33	7.851	889	895	899	rVV2	436531	824824	18.56%	1.043%
34	7.892	899	902	903	rVV2	143501	179173	4.03%	0.227%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

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-BM062216.M
Title : SVOA CALIBRATION

35	7.939	903	910	919	rVV5	339115	1132179	25.48%	1.432%
36	8.010	919	922	933	rVV7	134802	394859	8.88%	0.499%
37	8.098	933	937	943	rVV5	170604	319189	7.18%	0.404%
38	8.169	945	949	953	rVV4	92116	224342	5.05%	0.284%
39	8.210	953	956	961	rVB2	165423	257499	5.79%	0.326%
40	8.363	973	982	994	rBV	1152601	2168630	48.80%	2.743%
41	8.481	998	1002	1006	rBV2	230088	346131	7.79%	0.438%
42	8.639	1025	1029	1036	rVB6	72898	167786	3.78%	0.212%
43	8.763	1038	1050	1053	rVV5	250375	740547	16.66%	0.937%
44	8.810	1053	1058	1063	rVV	899374	1577823	35.50%	1.996%
45	8.857	1063	1066	1070	rVV4	179883	291241	6.55%	0.368%
46	8.922	1073	1077	1081	rVB4	160284	268302	6.04%	0.339%
47	8.975	1081	1086	1088	rBV3	195030	326813	7.35%	0.413%
48	9.010	1089	1092	1099	rVB5	221416	403161	9.07%	0.510%
49	9.086	1102	1105	1107	rBV3	42843	56379	1.27%	0.071%
50	9.122	1108	1111	1117	rVB5	83833	134263	3.02%	0.170%
51	9.181	1117	1121	1125	rBV5	40789	77714	1.75%	0.098%
52	9.316	1136	1144	1148	rBV2	88438	227184	5.11%	0.287%
53	9.369	1148	1153	1159	rVB3	222512	398302	8.96%	0.504%
54	9.528	1174	1180	1186	rBV3	851041	1503111	33.82%	1.901%
55	9.575	1186	1188	1192	rVB2	124407	132947	2.99%	0.168%
56	9.628	1192	1197	1206	rBV4	314133	589679	13.27%	0.746%
57	9.733	1211	1215	1217	rBV4	37988	52822	1.19%	0.067%
58	9.857	1232	1236	1239	rBV5	28751	57960	1.30%	0.073%
59	9.898	1239	1243	1248	rVB6	56651	107039	2.41%	0.135%
60	10.063	1263	1271	1281	rVB	1130720	1976723	44.48%	2.500%
61	10.222	1295	1298	1304	rVB7	36150	60496	1.36%	0.077%
62	10.322	1310	1315	1317	rBV6	52693	100435	2.26%	0.127%
63	10.439	1327	1335	1345	rVB	1340763	2423995	54.54%	3.066%
64	10.580	1352	1359	1372	rBV	919944	1758147	39.56%	2.224%
65	10.986	1423	1428	1436	rVB7	31498	71353	1.61%	0.090%
66	11.139	1451	1454	1460	rVB4	44831	81809	1.84%	0.103%
67	11.227	1461	1469	1474	rVV4	21282	52625	1.18%	0.067%
68	11.474	1506	1511	1516	rBV	108200	179524	4.04%	0.227%
69	12.039	1601	1607	1613	rBV3	34525	72059	1.62%	0.091%
70	12.845	1740	1744	1749	rVB2	46174	61745	1.39%	0.078%
71	13.721	1887	1893	1897	rBV	1739629	2629535	59.17%	3.326%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

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-BM062216.M
Title : SVOA CALIBRATION

72	13.768	1897	1901	1911	rVB	1601072	2389461	53.77%	3.022%
73	13.998	1930	1940	1948	rBV	2029371	3224284	72.55%	4.078%
74	14.215	1972	1977	1982	rBV4	38553	64110	1.44%	0.081%
75	14.310	1983	1993	2001	rBV2	1820767	2908958	65.45%	3.680%
76	14.504	2020	2026	2033	rBV	918694	1403420	31.58%	1.775%
77	14.633	2044	2048	2051	rBV	33676	51454	1.16%	0.065%
78	15.304	2155	2162	2169	rBV	2634981	3977054	89.49%	5.031%
79	15.368	2169	2173	2177	rVV2	87615	134928	3.04%	0.171%
80	15.421	2177	2182	2196	rVB	786919	1184536	26.65%	1.498%
81	15.539	2197	2202	2207	rBV2	204714	336829	7.58%	0.426%
82	15.586	2207	2210	2215	rVB	57874	82989	1.87%	0.105%
83	15.898	2257	2263	2270	rBV	426957	630358	14.18%	0.797%
84	15.968	2271	2275	2278	rBV	88770	113612	2.56%	0.144%
85	16.062	2284	2291	2301	rVB	166853	375811	8.46%	0.475%
86	16.468	2357	2360	2367	rVB5	67715	108685	2.45%	0.137%
87	16.833	2418	2422	2425	rBV2	54609	88332	1.99%	0.112%
88	16.880	2426	2430	2440	rVB	164164	273921	6.16%	0.346%
89	17.056	2454	2460	2466	rBV	2152126	3281240	73.83%	4.151%
90	17.151	2471	2476	2484	rVB	2611622	3999798	90.00%	5.059%
91	17.956	2610	2613	2619	rBV4	126900	194320	4.37%	0.246%
92	18.033	2623	2626	2631	rVB	143684	196828	4.43%	0.249%
93	18.533	2708	2711	2721	rVB4	173100	236269	5.32%	0.299%
94	19.450	2862	2867	2877	rBV	3017612	4444249	100.00%	5.622%
95	19.839	2930	2933	2937	rVB	524117	586034	13.19%	0.741%
96	21.174	3157	3160	3167	rVB	644219	788699	17.75%	0.998%
97	21.244	3168	3172	3177	rVV	2557059	3339414	75.14%	4.224%
98	22.009	3299	3302	3308	rVB	680893	882680	19.86%	1.117%
99	23.327	3520	3526	3541	rVV2	2001518	4163536	93.68%	5.267%
100	23.468	3544	3550	3556	rVB	1631560	3272908	73.64%	4.140%

Sum of corrected areas: 79056063

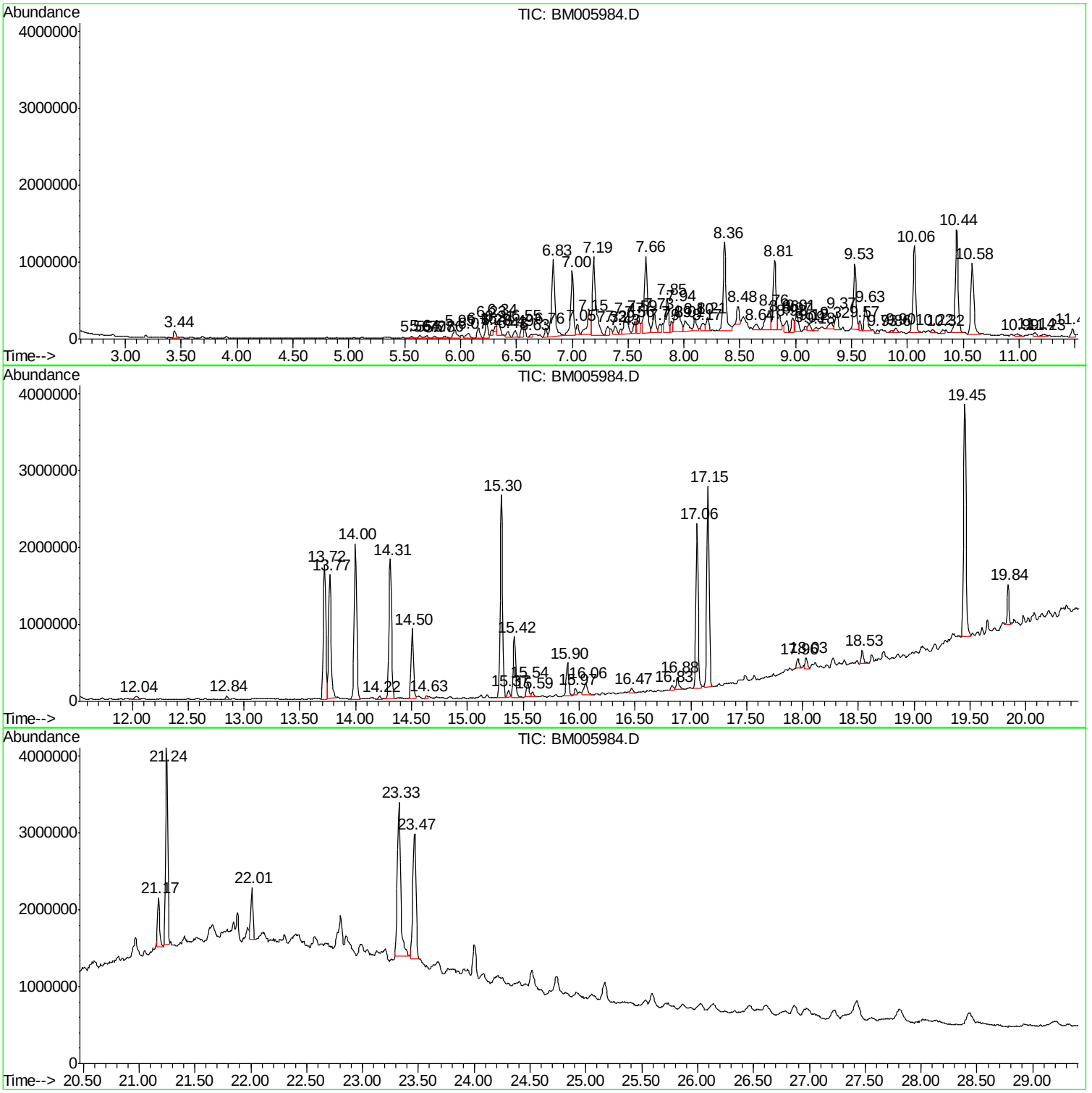
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

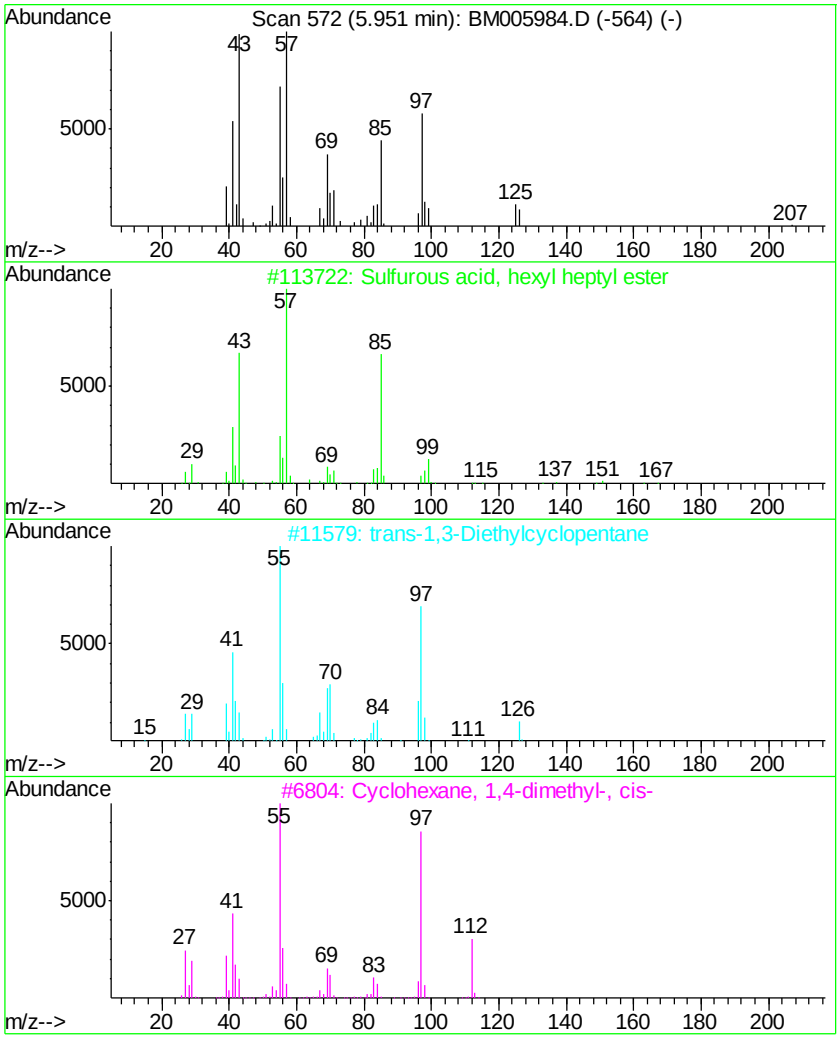
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

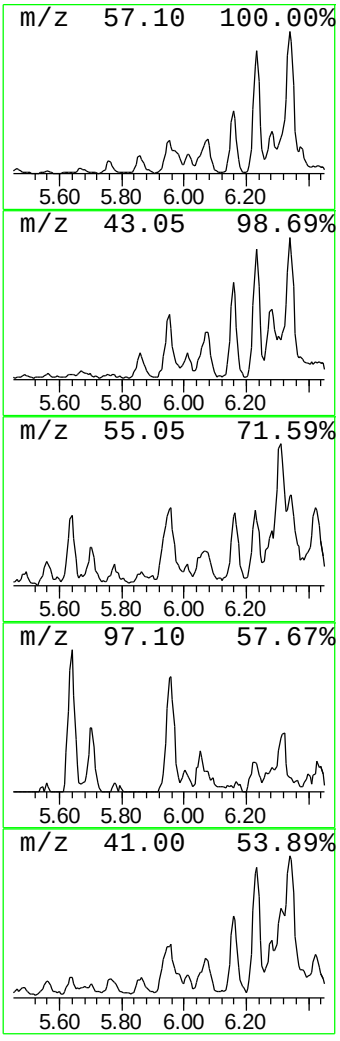
****

Peak Number 1 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	2.87 ng/ul	275716	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	43
2	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	41
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	38
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	38
5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

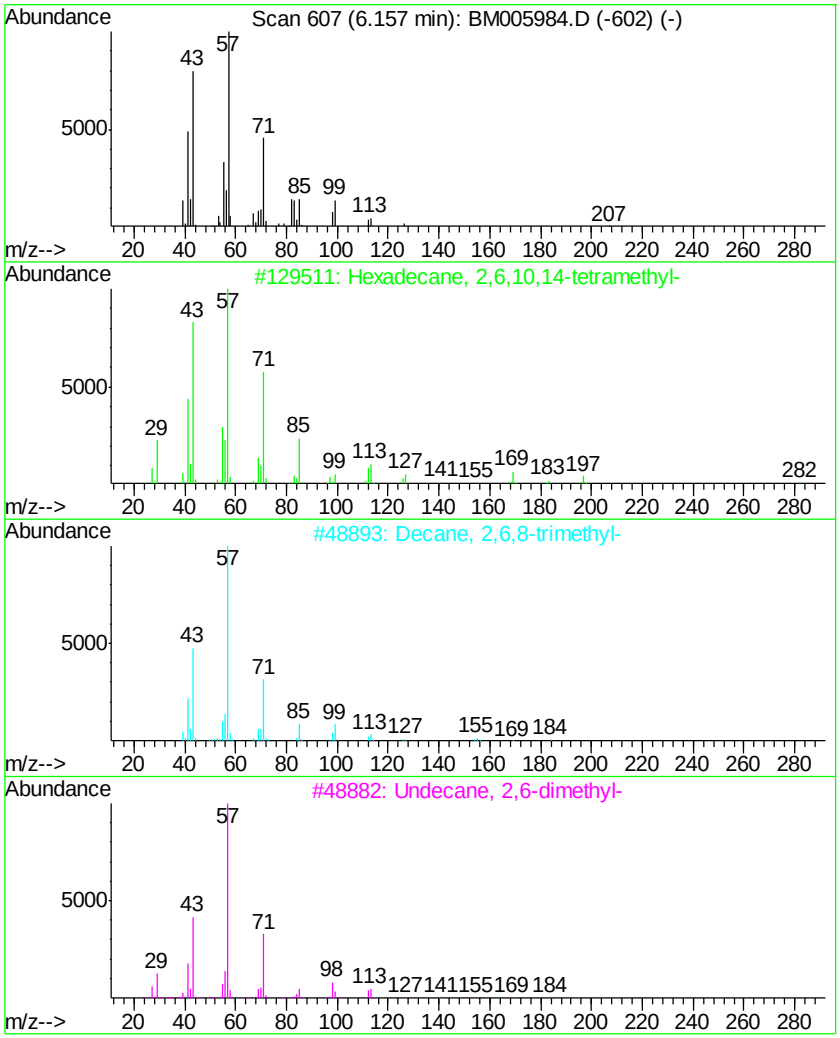
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

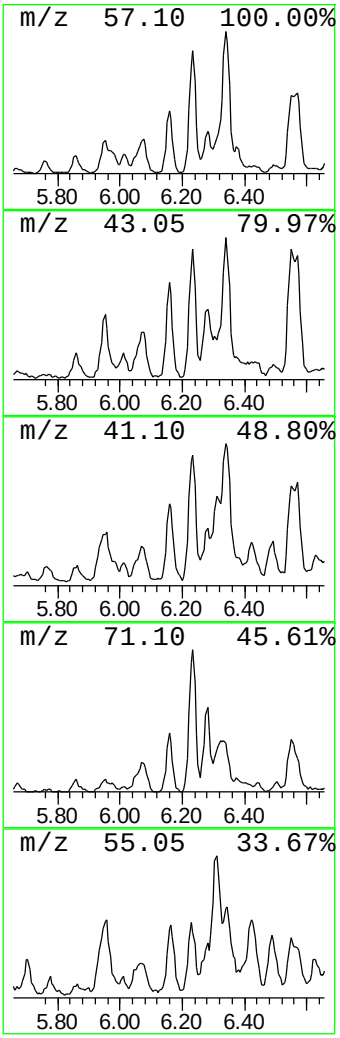
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	2.37 ng/ul	227823	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

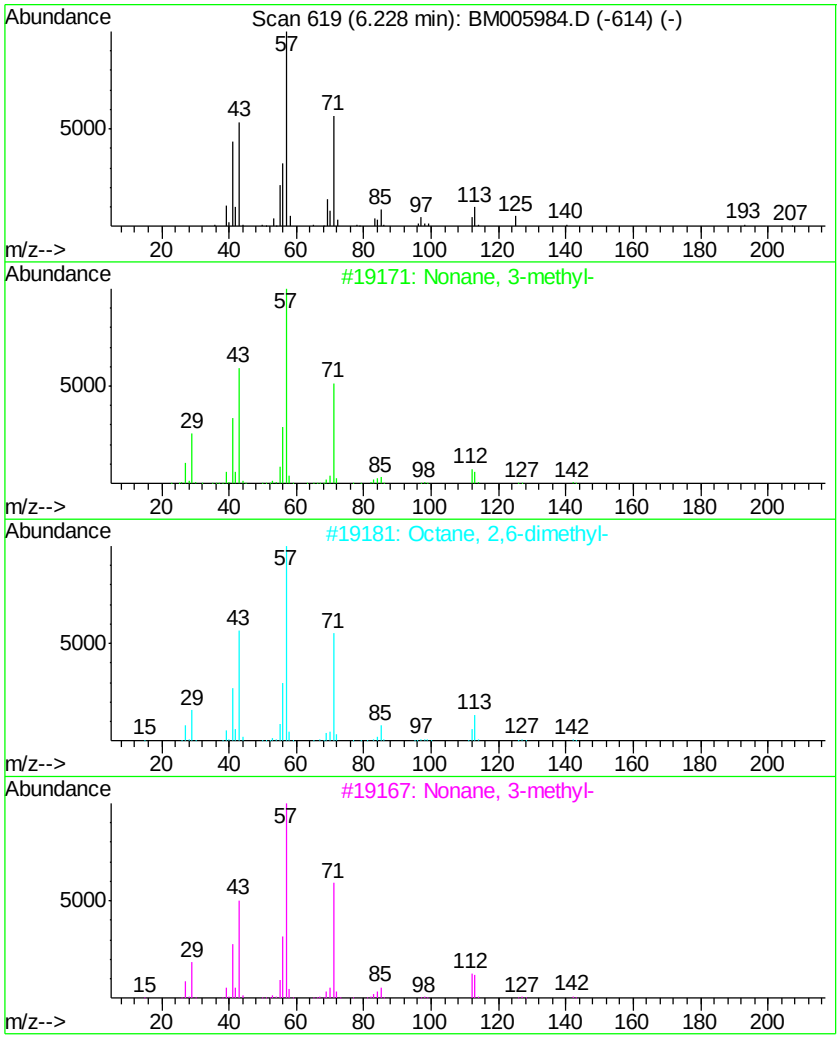
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

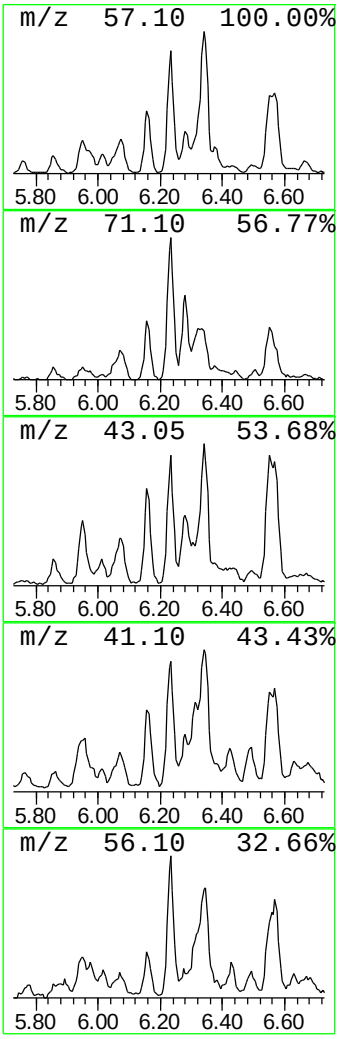
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	3.49 ng/ul	335752	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	81
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

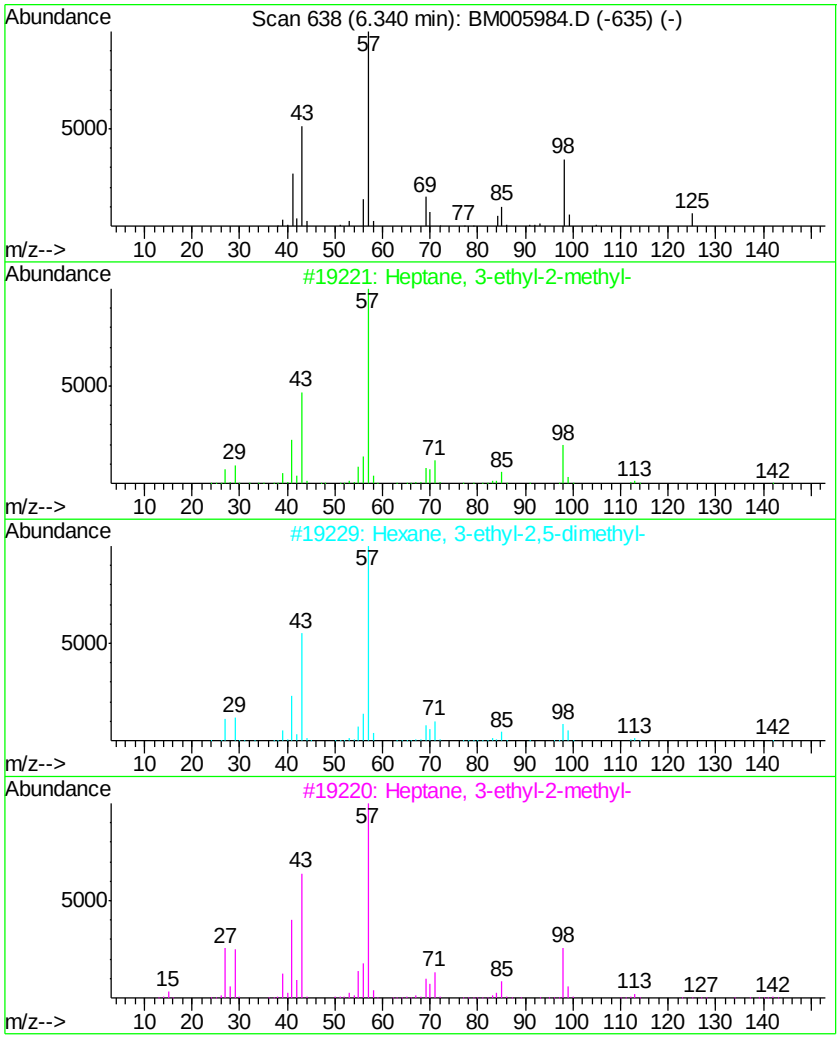
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

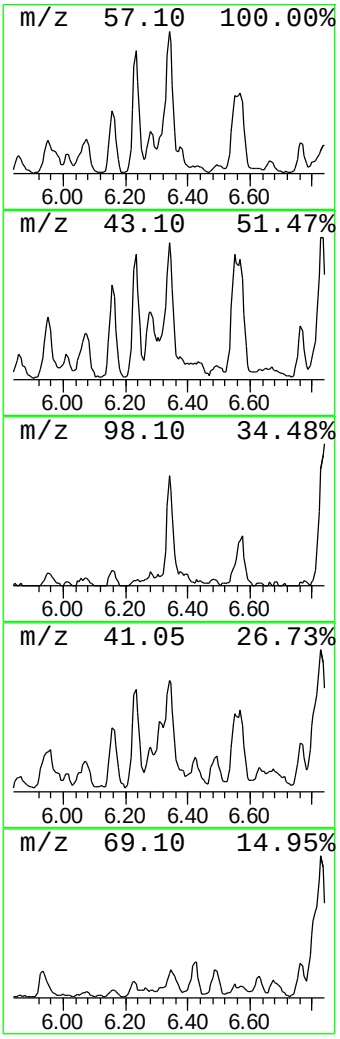
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	3.90 ng/ul	374326	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	59
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	45
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	42
5	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	40





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

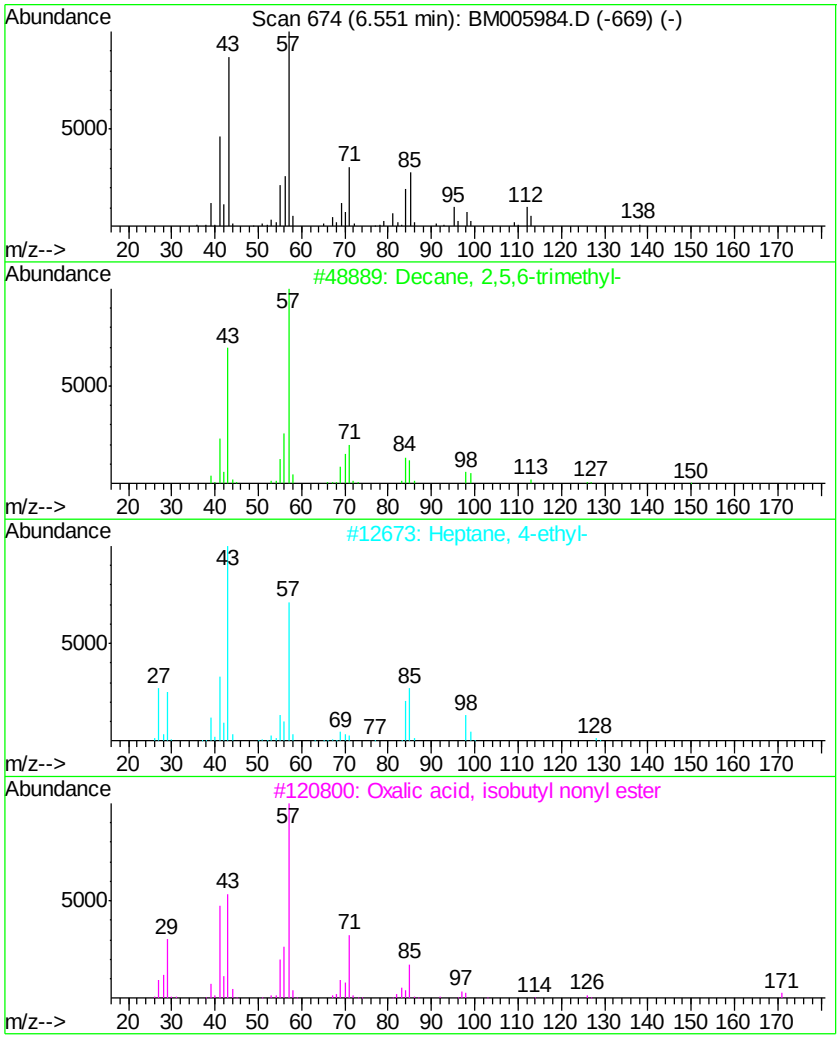
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

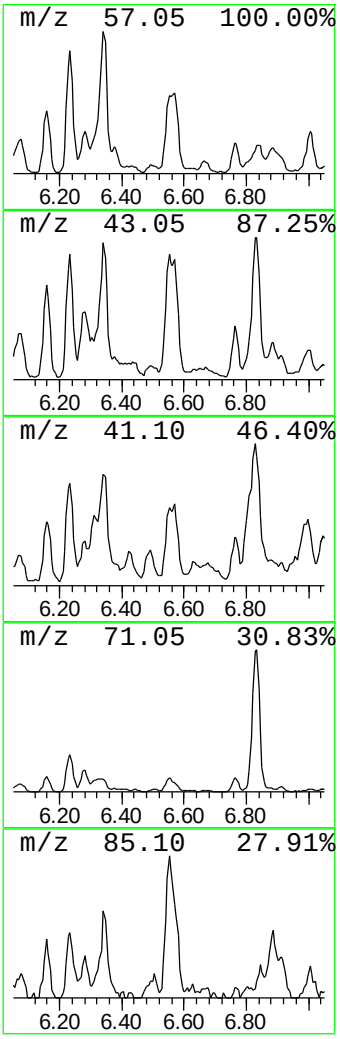
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	2.75 ng/ul	264508	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	59
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	49
3	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	47
4	Decane, 5-methyl-	156	C11H24	013151-35-4	47
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	47





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Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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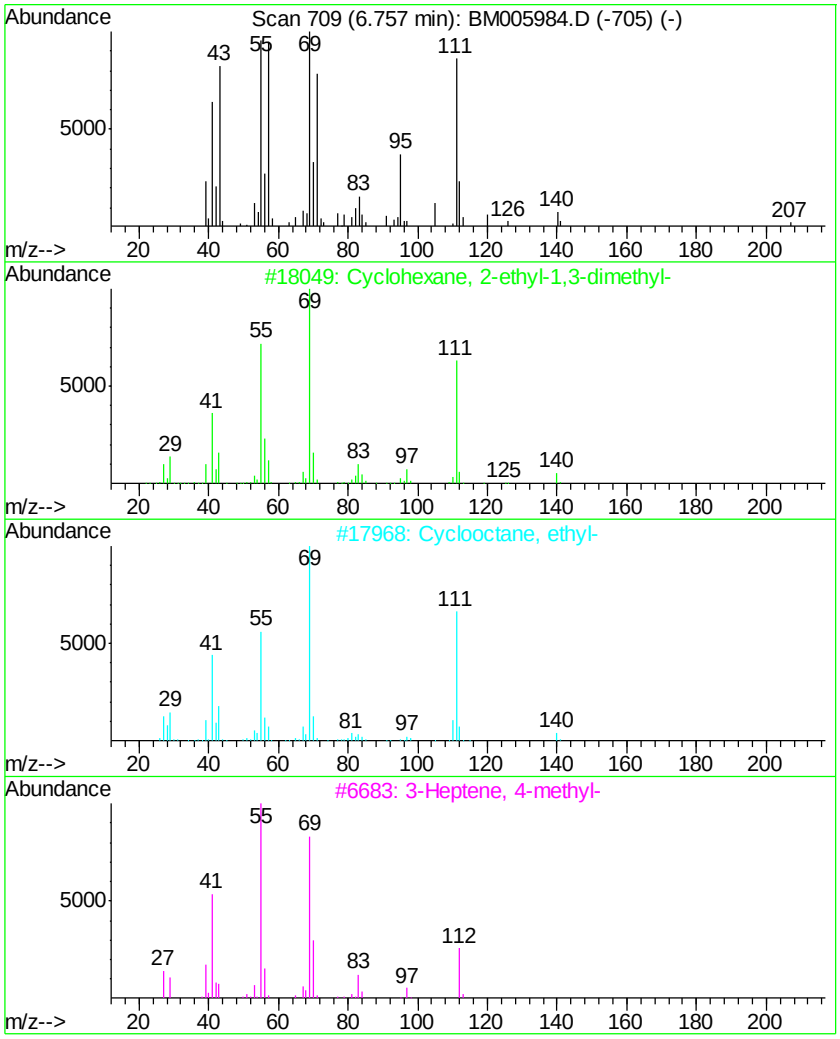
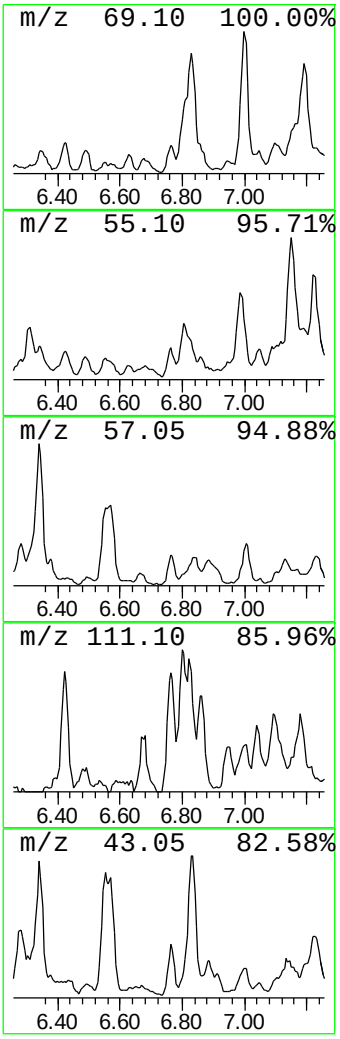
Peak Number 6 (DEL) Alkane: Cyclic6.76 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	2.06 ng/ul	197833	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	46
2	Cyclooctane, ethyl-	140	C10H20	013152-02-8	43
3	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	42
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	38
5	5-Nonen-4-one, 6-methyl-	154	C10H18O	007036-98-8	38





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Instrument : BNA_M
ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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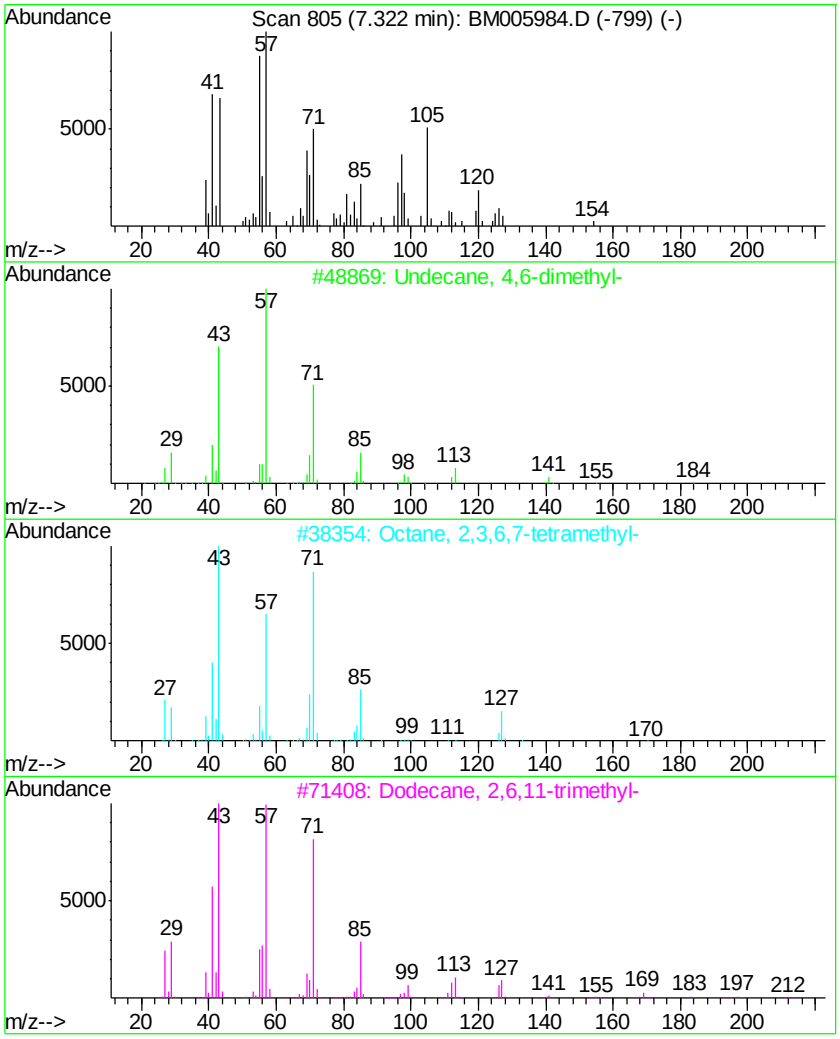
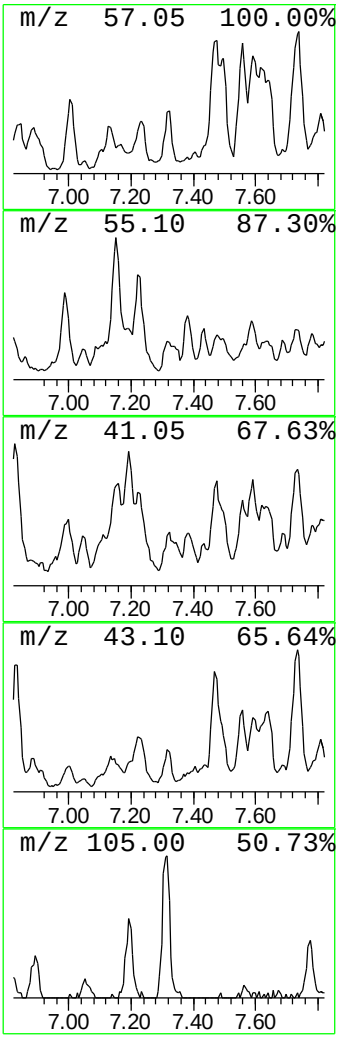
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	2.27 ng/ul	217842	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	38
2	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	35
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	35
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	35
5	1-Butene, 3-butoxy-2-methyl-	142	C9H18O	056585-28-5	35





Library Search Compound Report

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ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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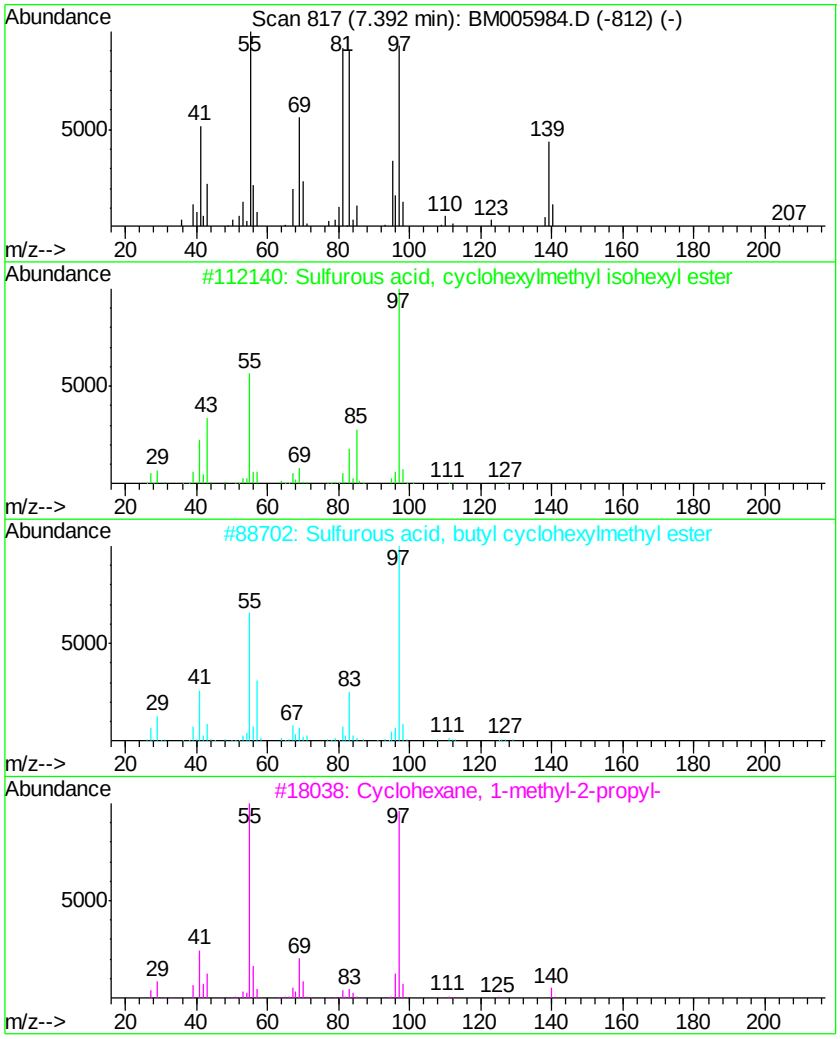
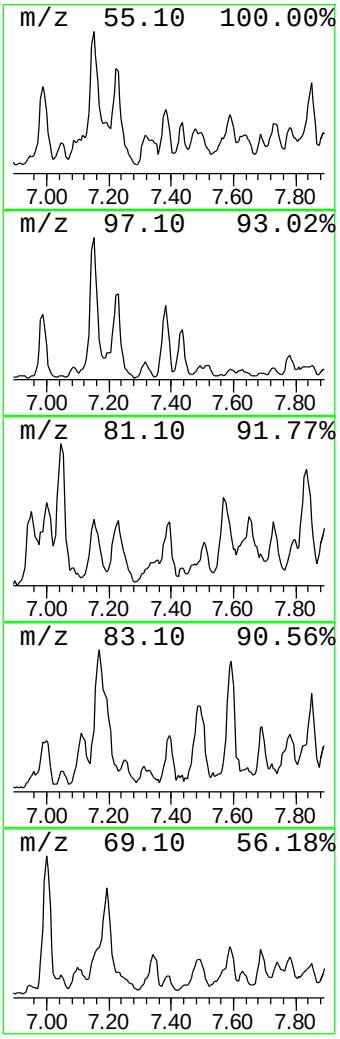
Peak Number 8 Sulfurous acid, cyclohexylm... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	2.13 ng/ul	204467	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	72
2	Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	72
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
4	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	59
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	59





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ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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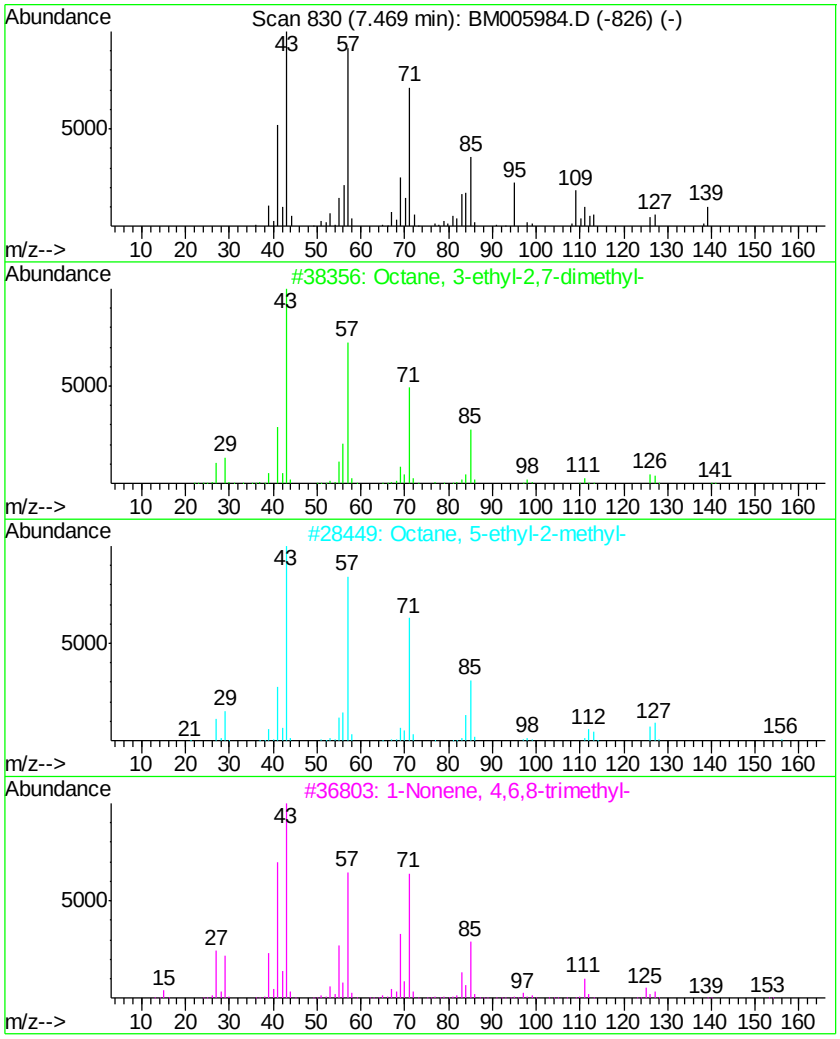
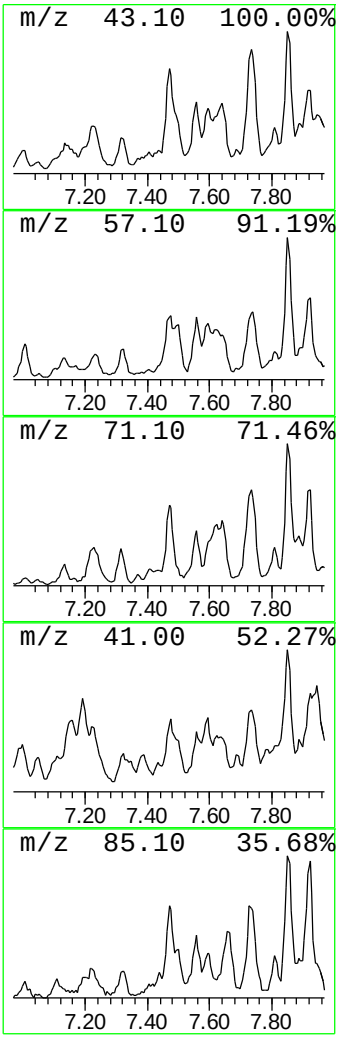
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	5.85 ng/ul	561908	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
2	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	53
3	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	50
4	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	50
5	Oxalic acid, allyl octyl ester	242	C13H22O4	1000309-23-6	50





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ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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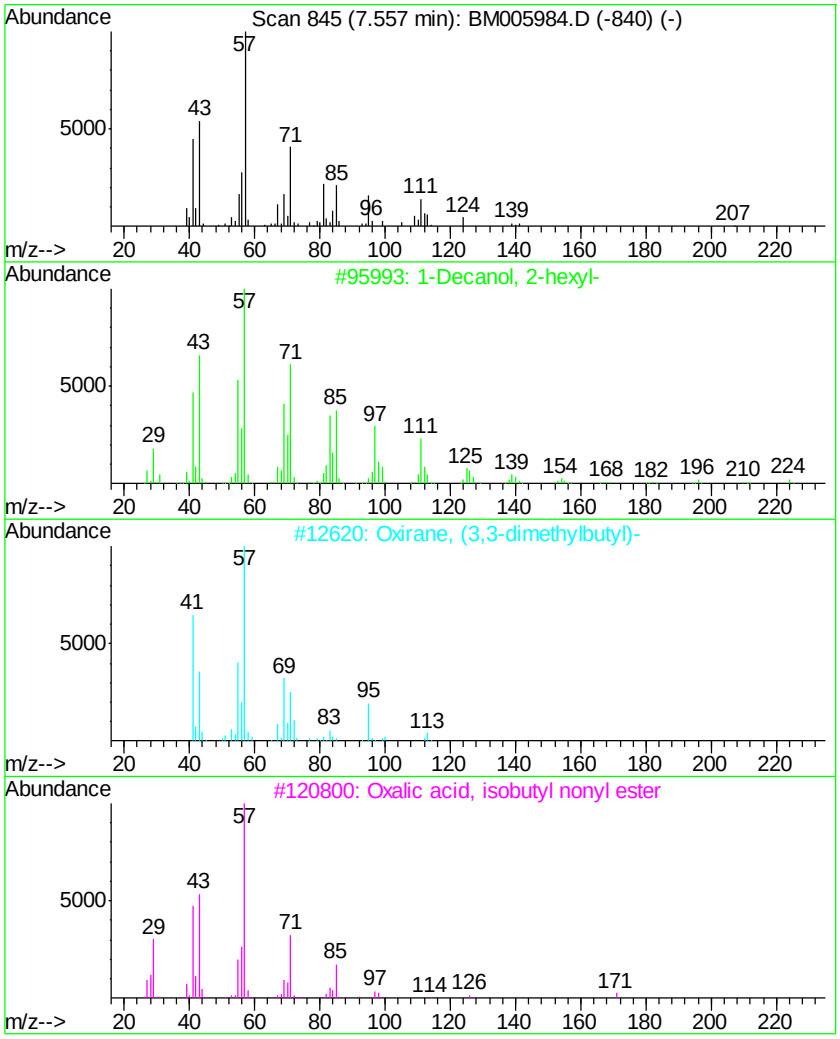
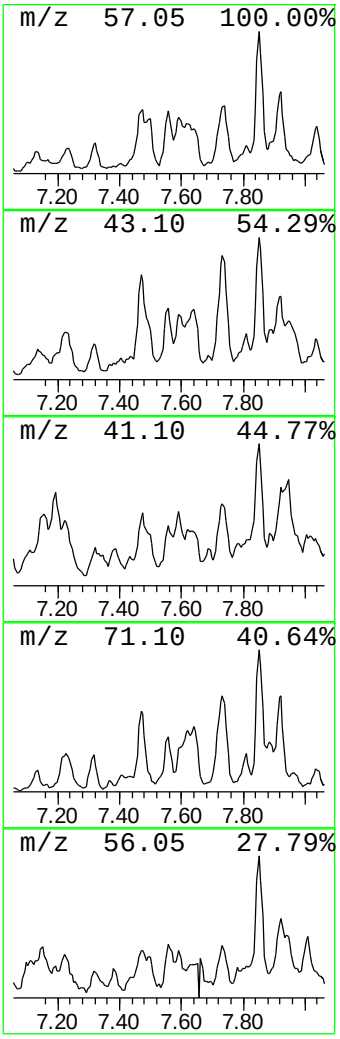
Peak Number 10 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	2.64 ng/ul	253815	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	47
2	Oxirane, (3,3-dimethylbutyl)-	128	C8H16O	053907-77-0	47
3	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	38
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	38
5	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	35





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ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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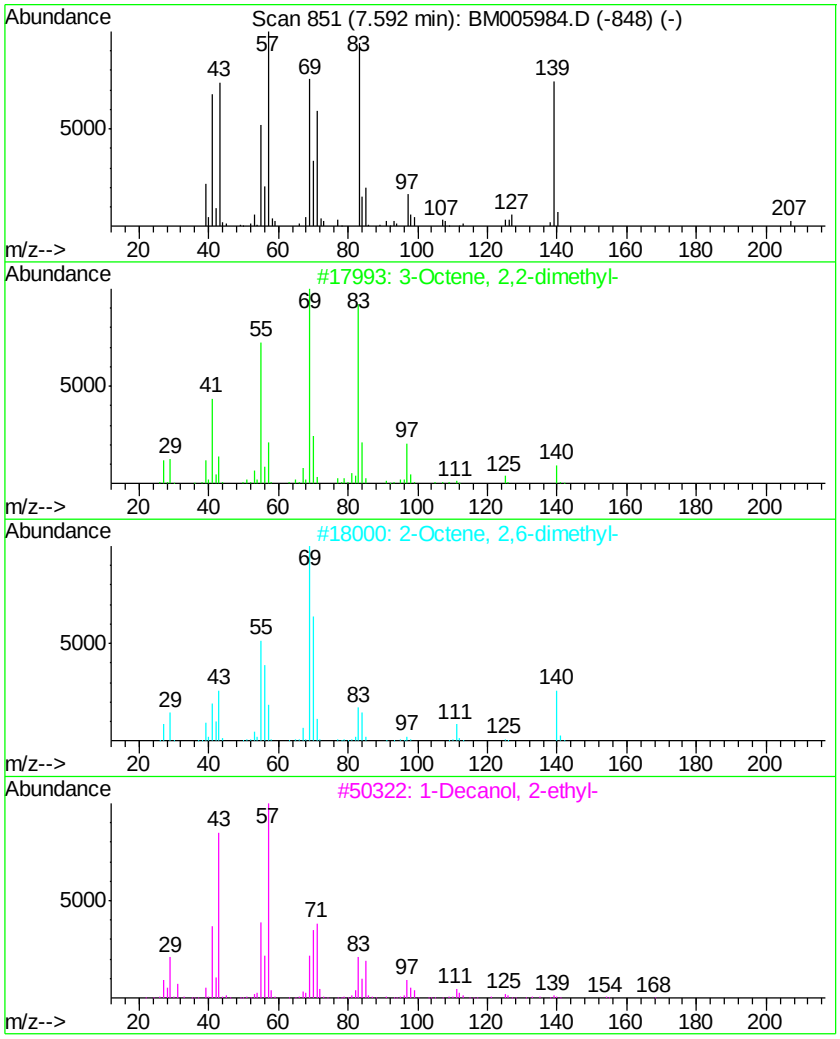
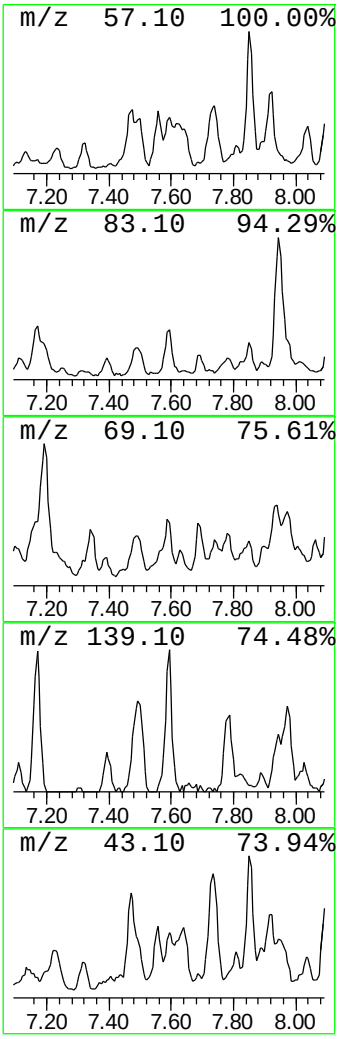
Peak Number 11 (DEL) Alkane: Cyclic7.59 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	4.00 ng/ul	384443	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	45
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	27
3	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	25
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	18
5	p-Fluoro-N,N-dimethylaniline	139	C8H10FN	000403-46-3	11





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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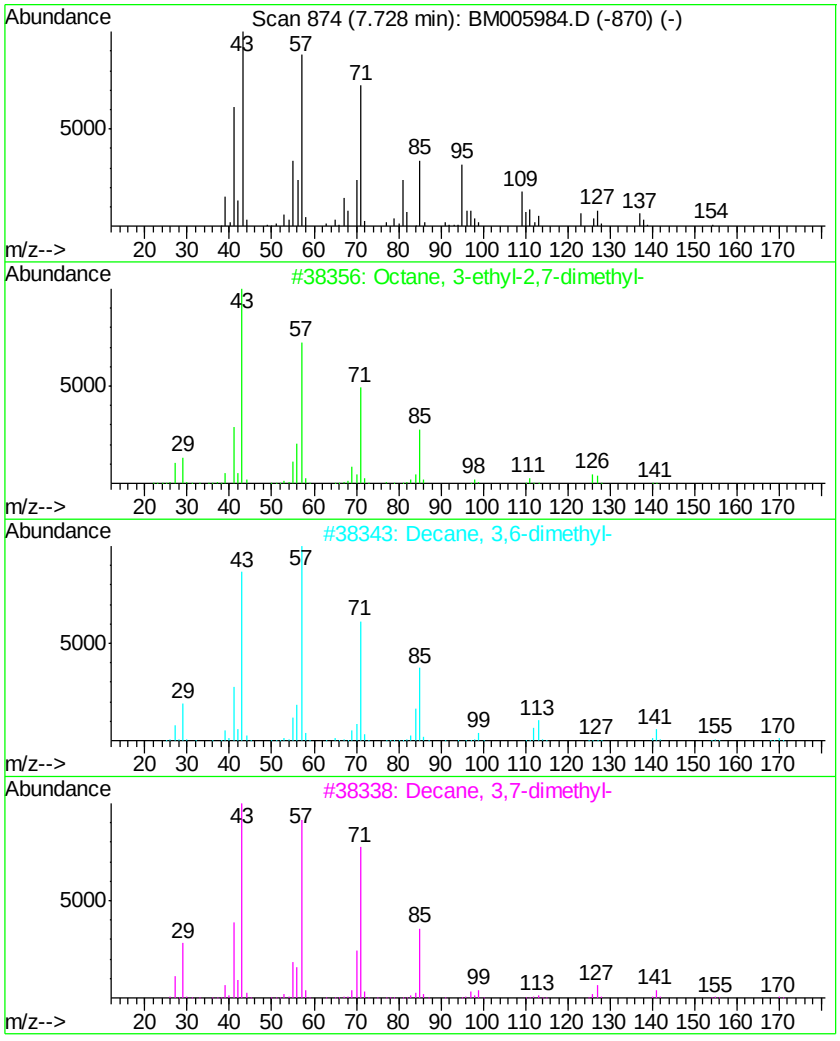
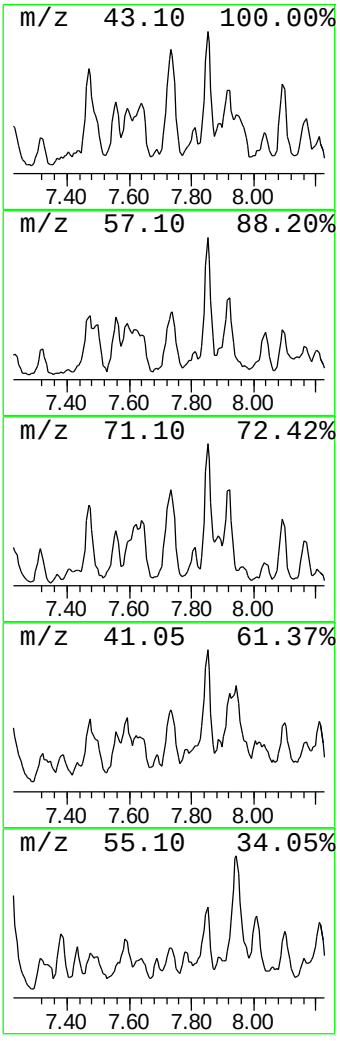
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	5.22 ng/ul	501361	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	50
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	47
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	47
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	47
5	Heptacosane	380	C27H56	000593-49-7	43





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Instrument : BNA_M
ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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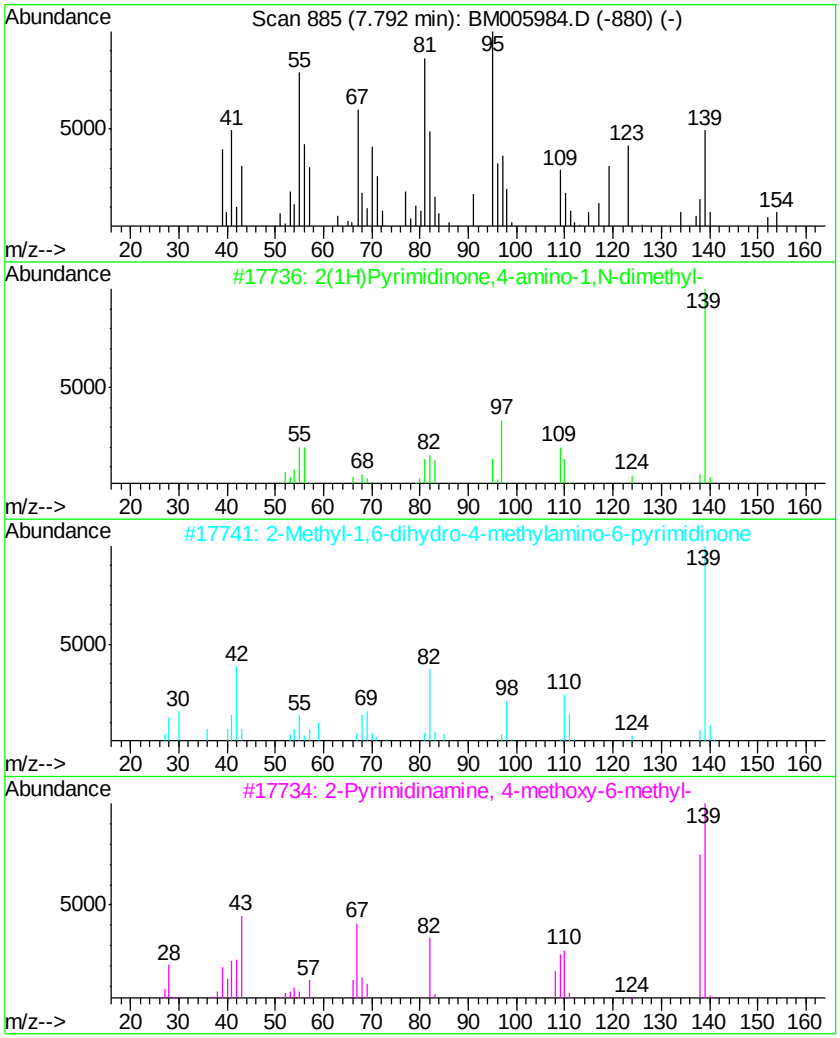
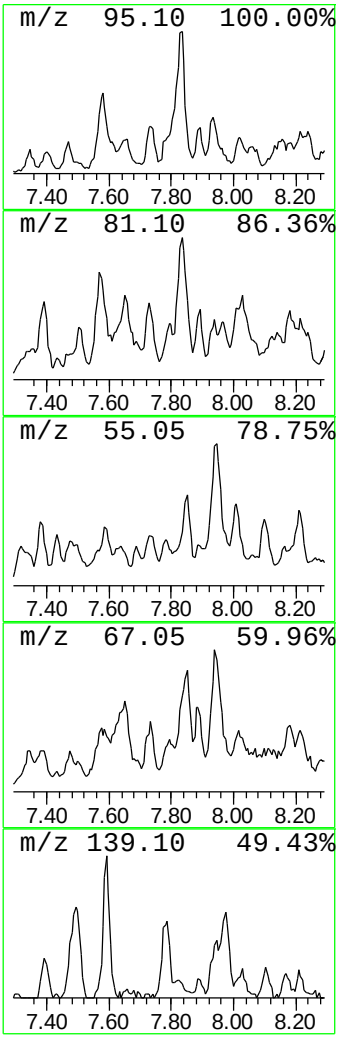
Peak Number 13 unknown-03 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	2.05 ng/ul	196955	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)Pyrimidinone,4-amino-1,N-di...	139	C6H9N3O	006220-49-1	27
2	2-Methyl-1,6-dihydro-4-methylami...	139	C6H9N3O	1000288-89-5	18
3	2-Pyrimidinamine, 4-methoxy-6-me...	139	C6H9N3O	007749-47-5	18
4	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	11
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	11





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Quant Title : SVOA CALIBRATION

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

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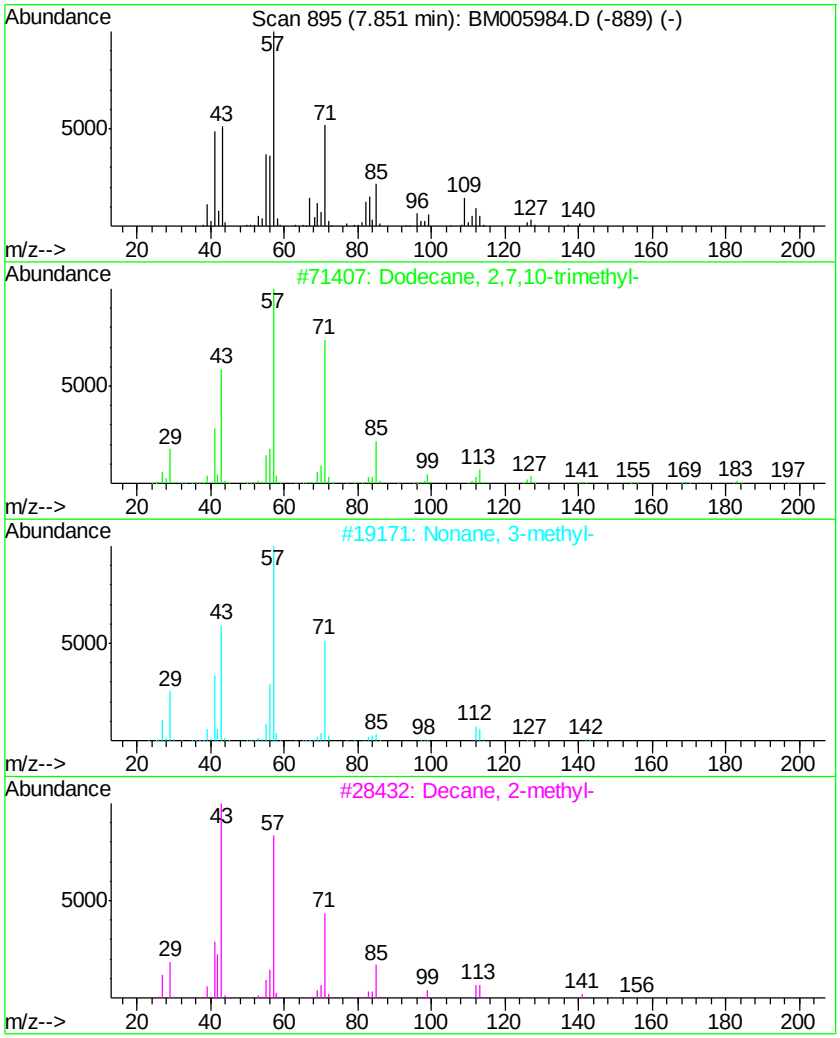
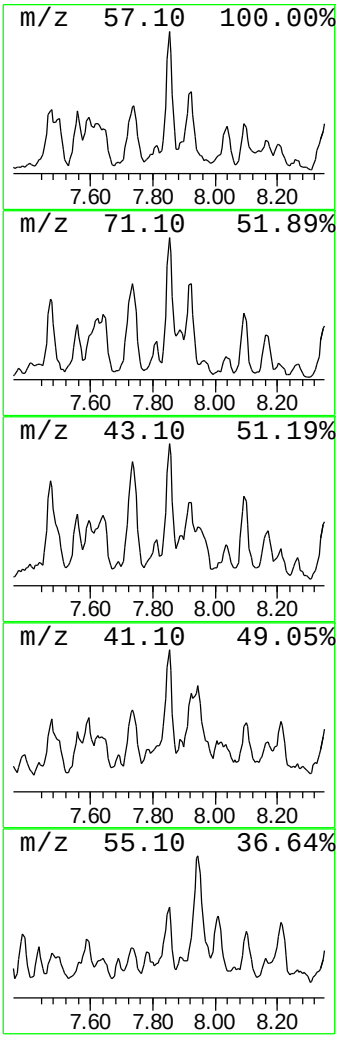
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	8.58 ng/ul	824824	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
3	Decane, 2-methyl-	156	C11H24	006975-98-0	50
4	Decane, 3-methyl-	156	C11H24	013151-34-3	50
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	50





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Quant Title : SVOA CALIBRATION

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

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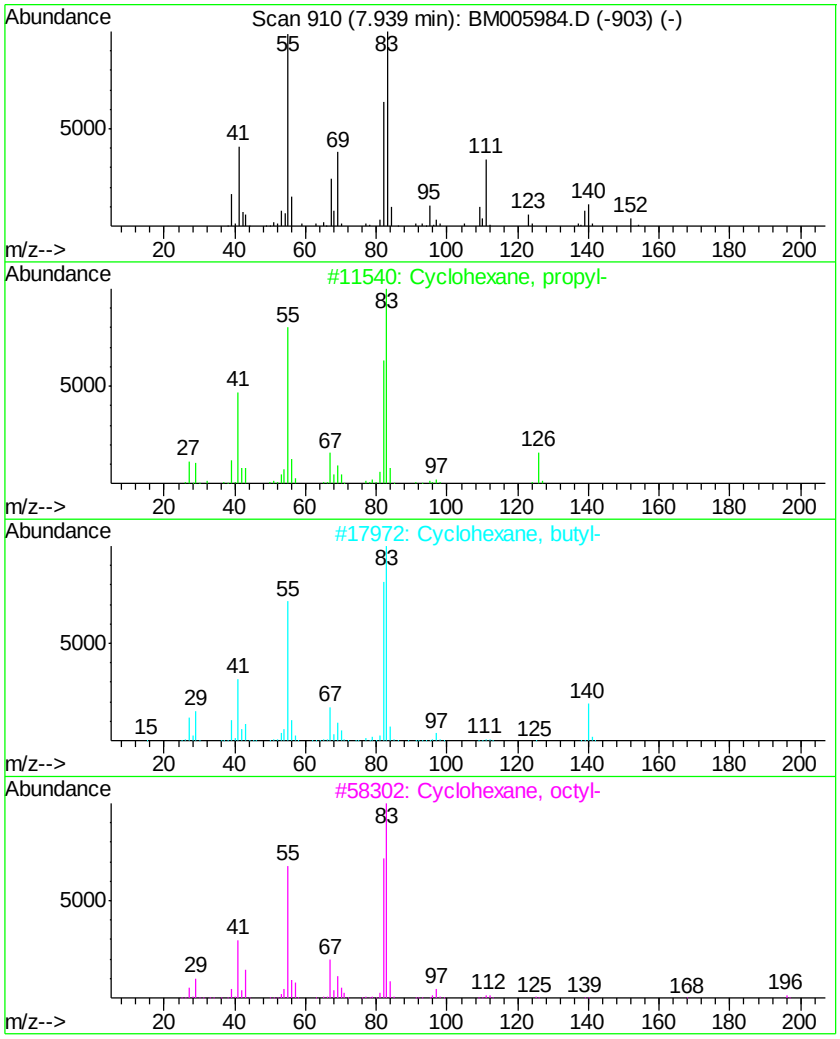
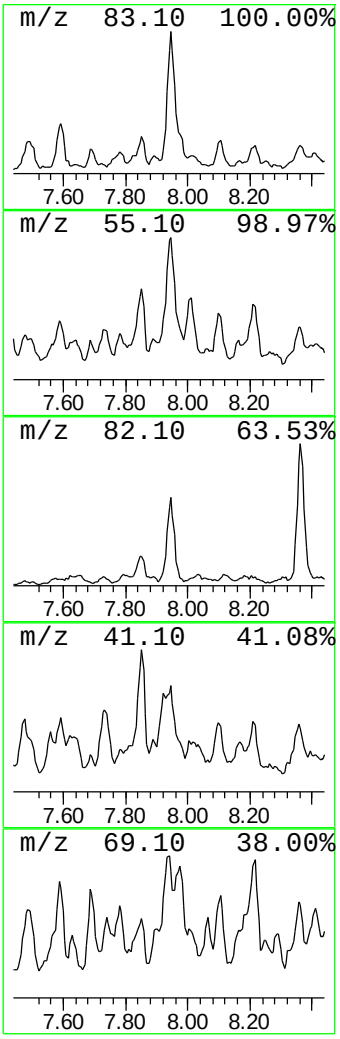
Peak Number 15 (DEL) Alkane: Cyclic7.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	11.78 ng/ul	1132180	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	59
4	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	59
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	58





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Quant Title : SVOA CALIBRATION

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

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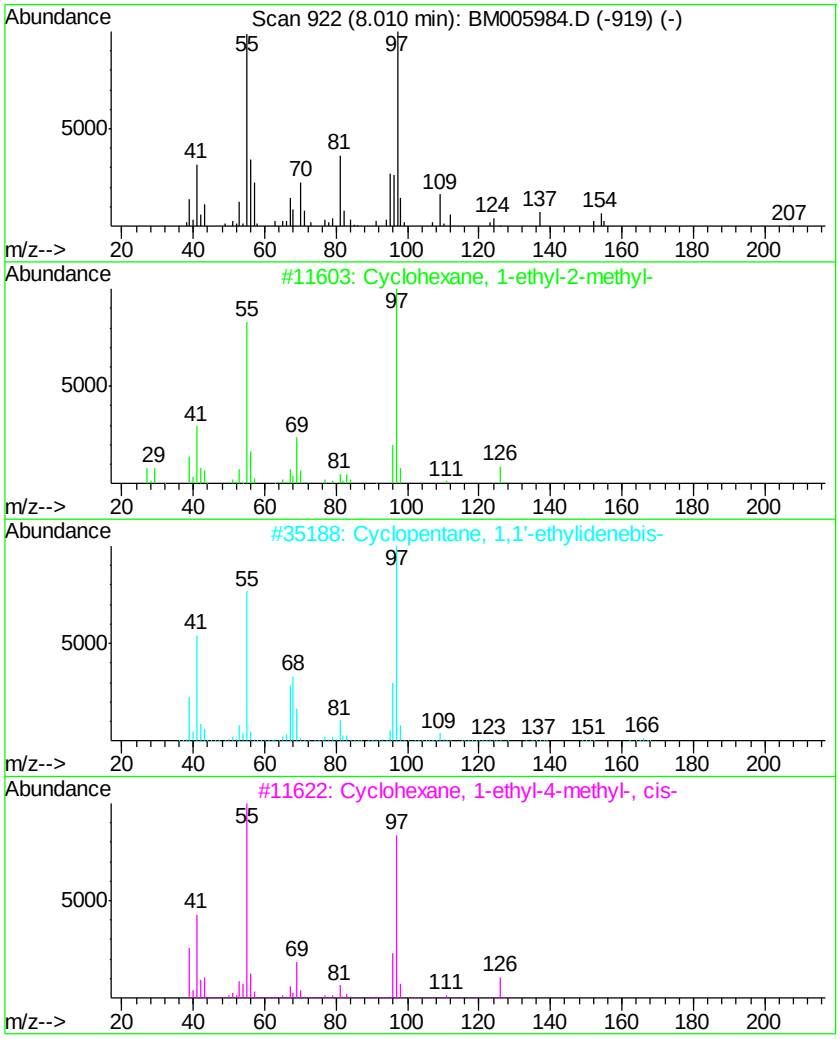
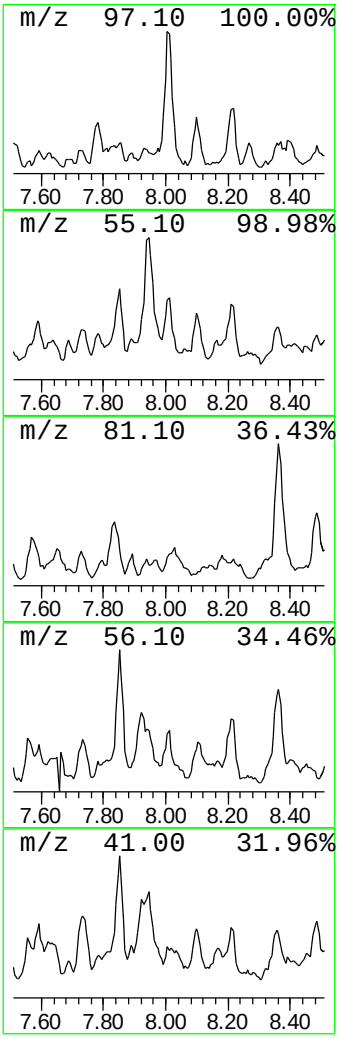
Peak Number 16 (DEL) Alkane: Cyclic8.01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	4.11 ng/ul	394859	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
2	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	53
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4	3-(But-3-enyl)-cyclohexanone	152	C10H16O	003636-03-1	53
5	Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	53





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Quant Title : SVOA CALIBRATION

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

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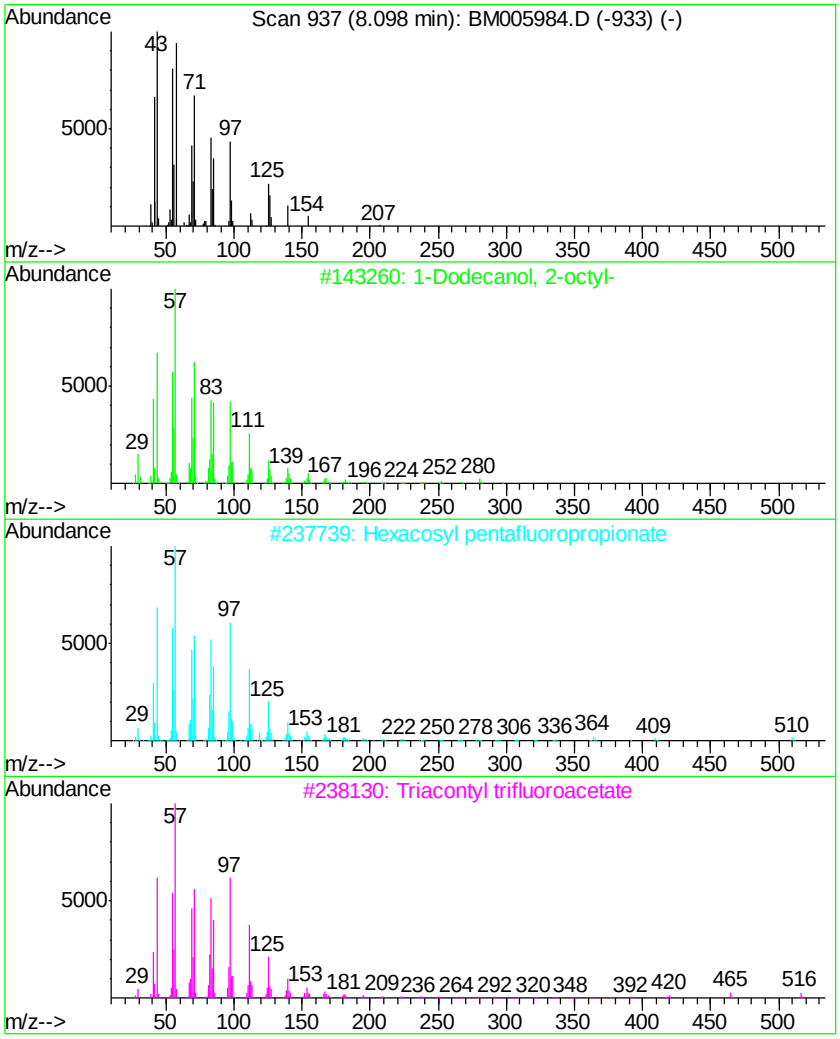
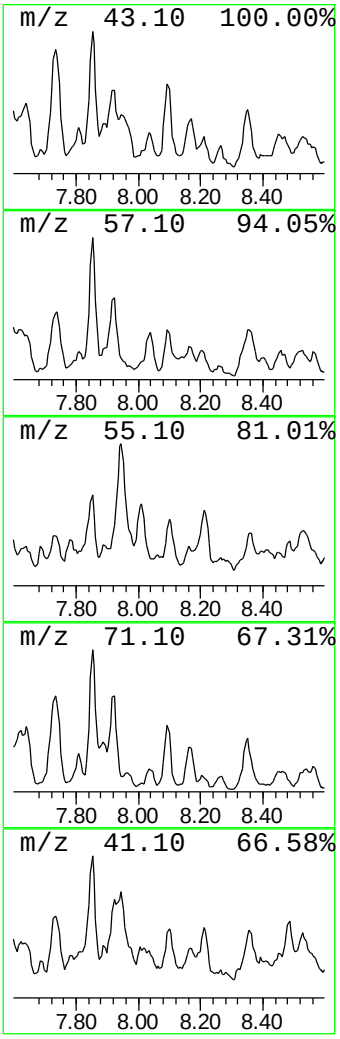
Peak Number 17 1-Dodecanol, 2-octyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	3.32 ng/ul	319189	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	87
2	Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	72
3	Triacontyl trifluoroacetate	534	C32H61F3O2	1000351-75-7	72
4	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	72
5	Heptacosyl pentafluoropropionate	542	C30H55F5O2	1000351-81-6	72





Library Search Compound Report

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Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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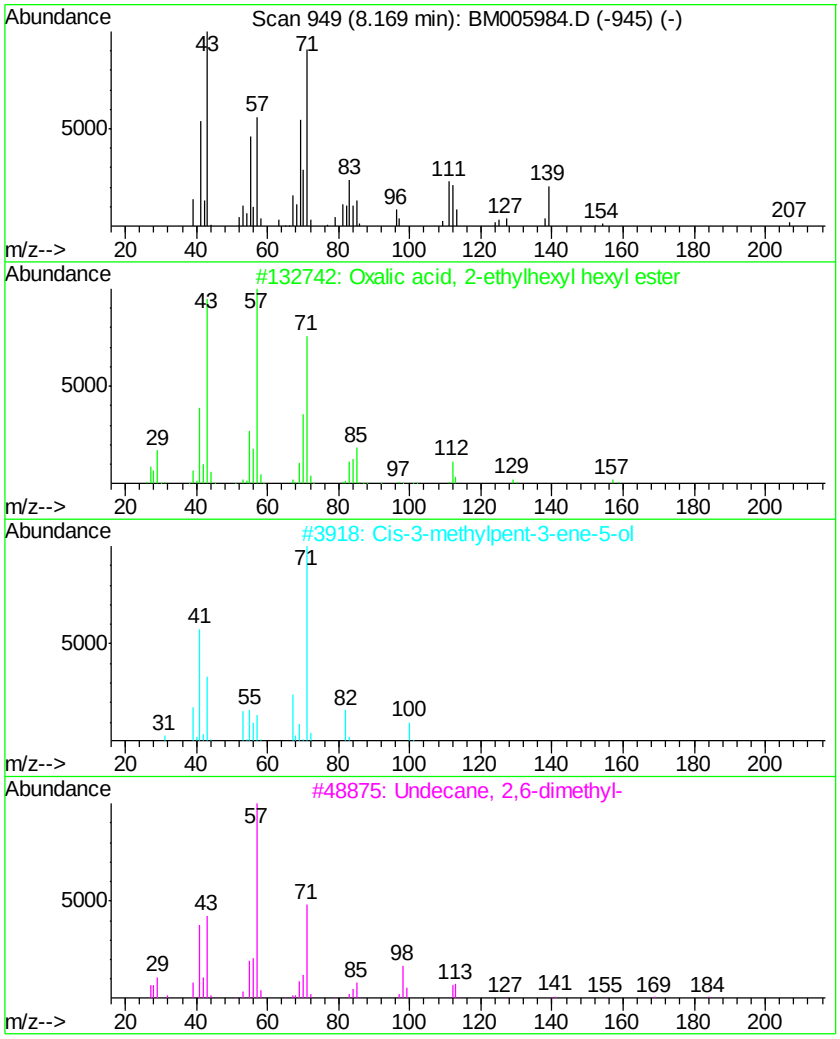
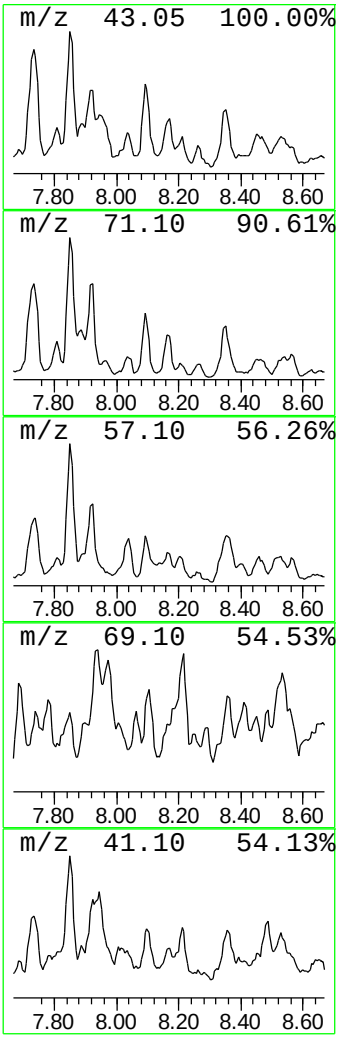
Peak Number 18 unknown-04 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	2.33 ng/ul	224342	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	27
2	Cis-3-methylpent-3-ene-5-ol	100	C6H12O	030804-75-2	27
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	22
4	Decane, 4-methyl-	156	C11H24	002847-72-5	22
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	22





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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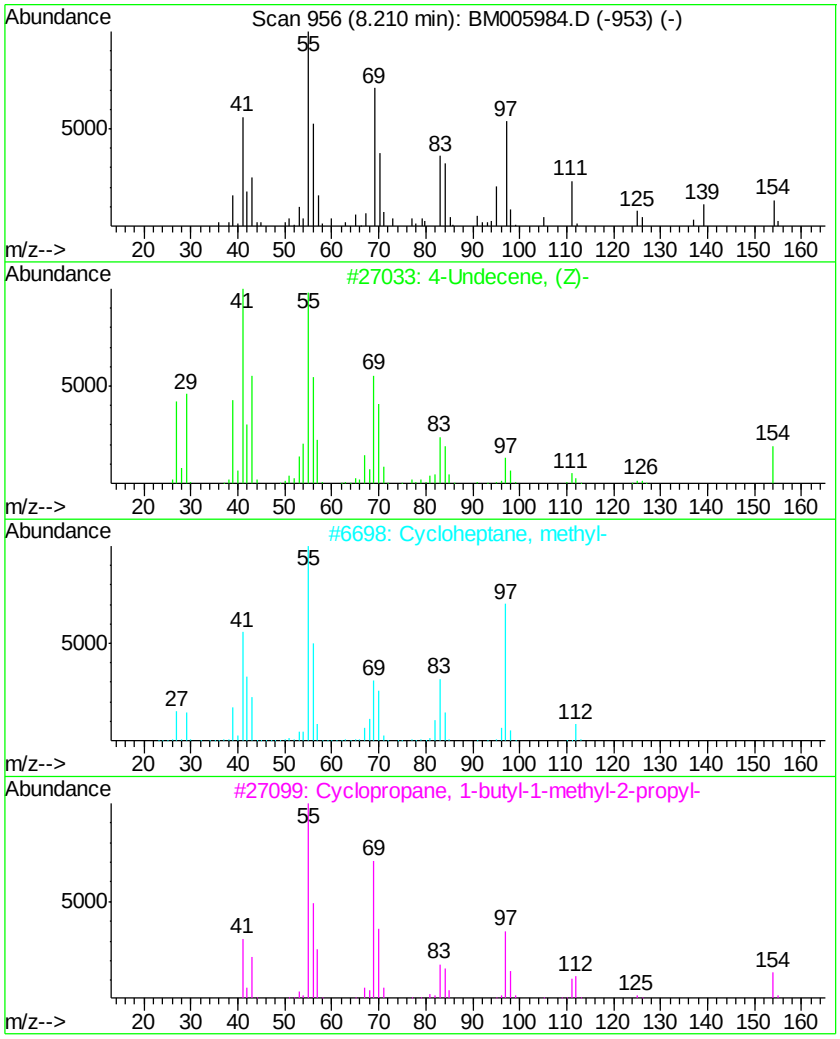
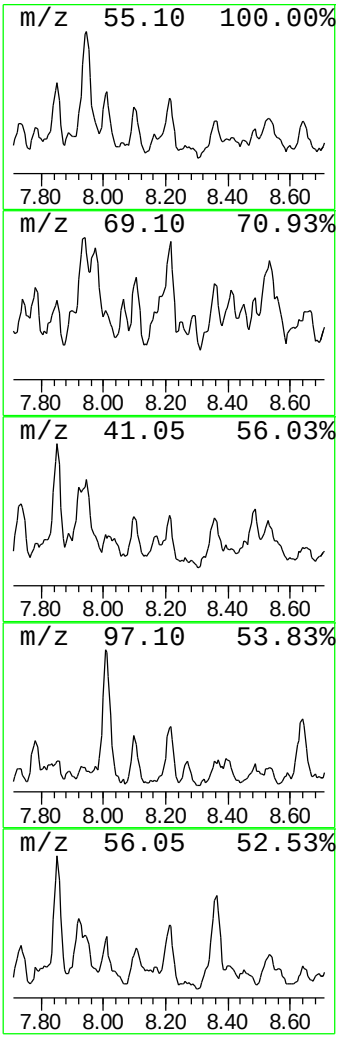
Peak Number 19 (DEL) Alkane: Cyclic8.21 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	2.68 ng/ul	257499	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Undecene, (Z)-	154	C11H22	000821-98-7	58
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	52
3	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	49
4	4-Undecene, (E)-	154	C11H22	000693-62-9	49
5	3-Undecene, (Z)-	154	C11H22	000821-97-6	46





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ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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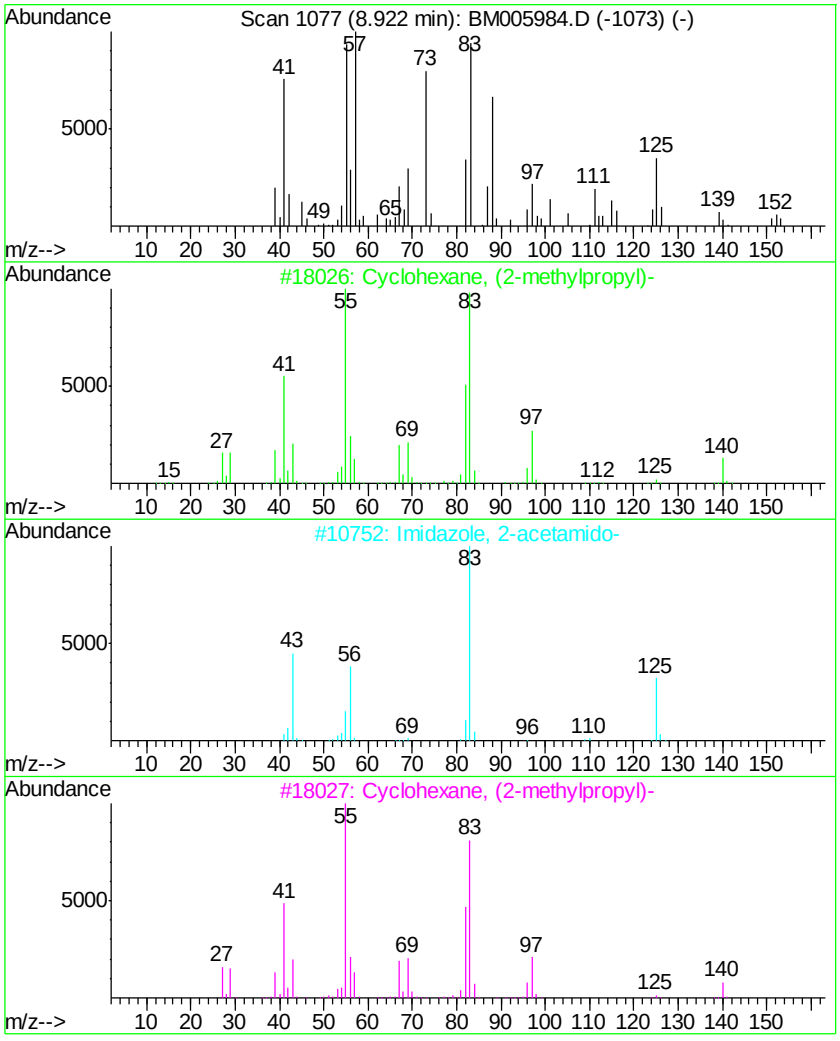
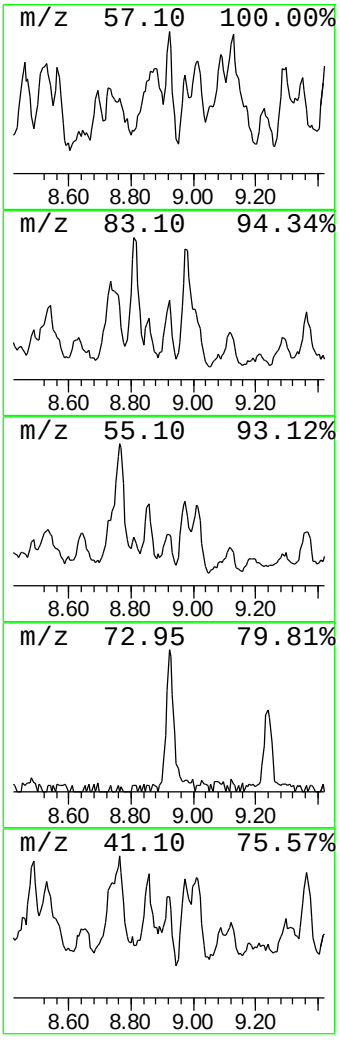
Peak Number 20 (DEL) Alkane: Cyclic8.92 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	2.79 ng/ul	268302	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	35
2	Imidazole, 2-acetamido-	125	C5H7N3O	052737-49-2	30
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	22
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	018358-53-7	22
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	22





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Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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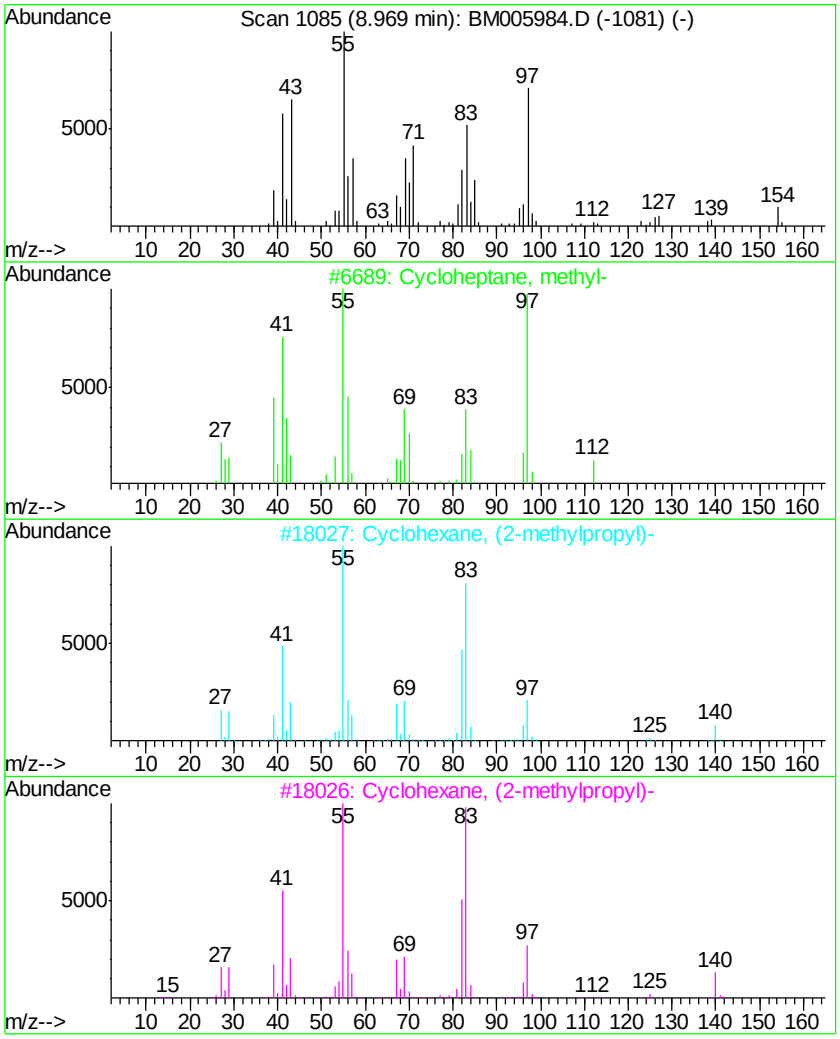
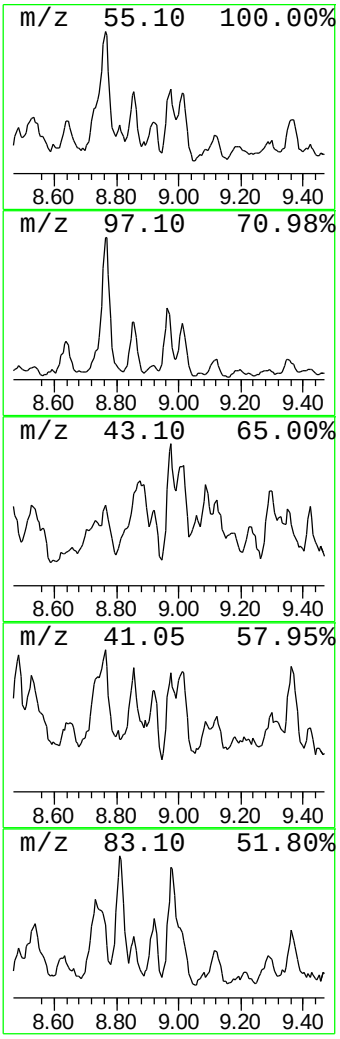
Peak Number 21 (DEL) Alkane: Cyclic8.97 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	3.40 ng/ul	326813	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	41
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	35
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	27





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Instrument : BNA_M
ClientSampleId : D9Z24

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Quant Title : SVOA CALIBRATION

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

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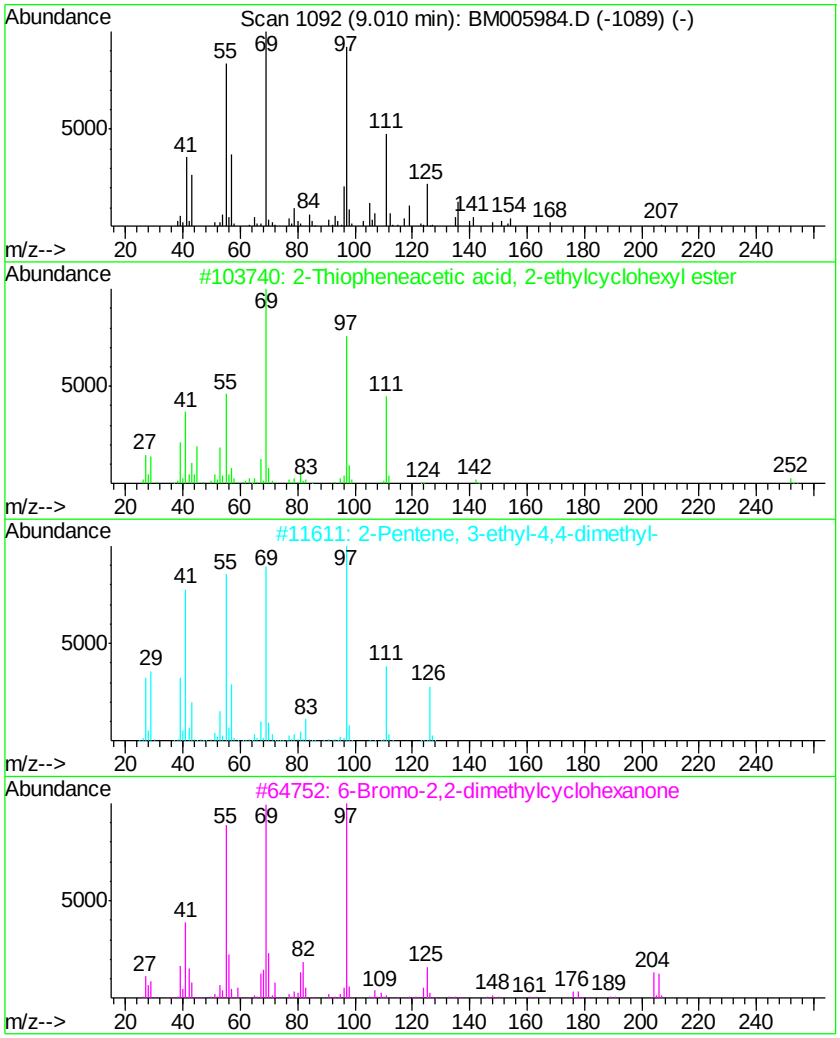
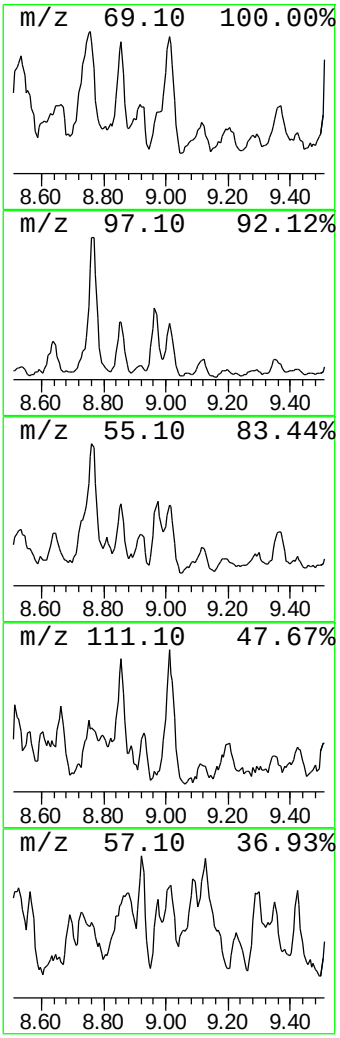
Peak Number 22 unknown-05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	4.20 ng/ul	403161	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	45
2	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	42
3	6-Bromo-2,2-dimethylcyclohexanone	204	C8H13BrO	021690-26-6	42
4	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
5	2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	38





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Quant Title : SVOA CALIBRATION

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

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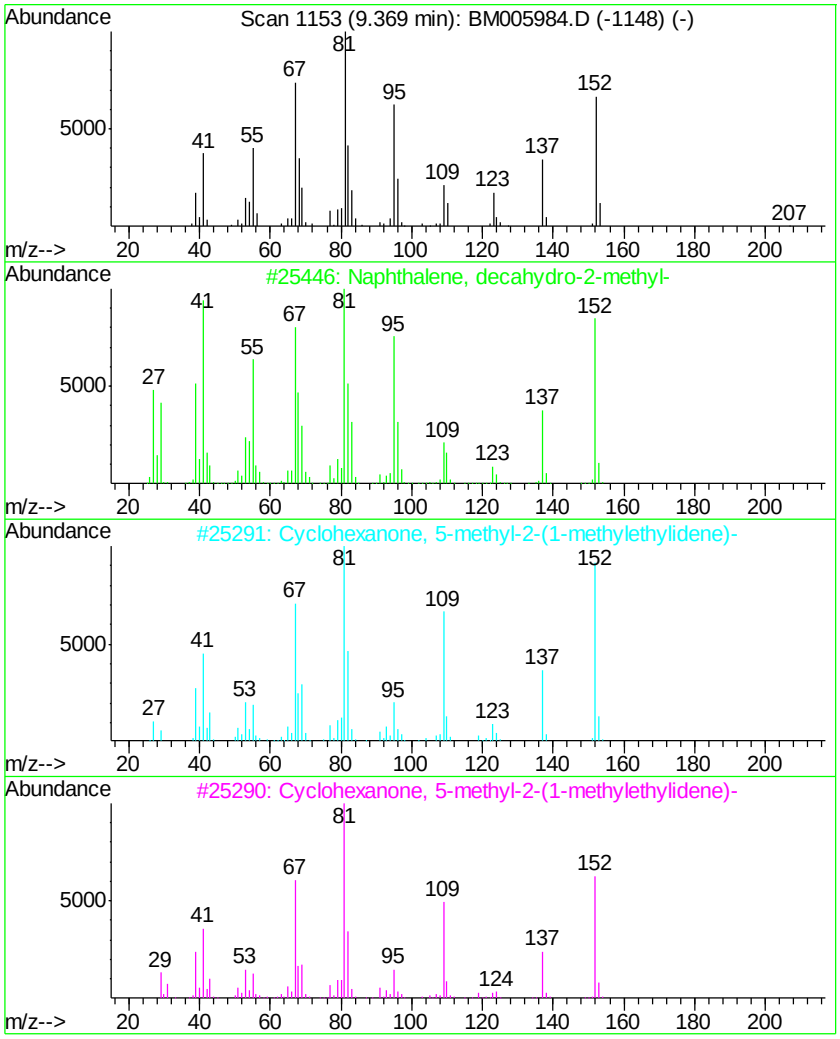
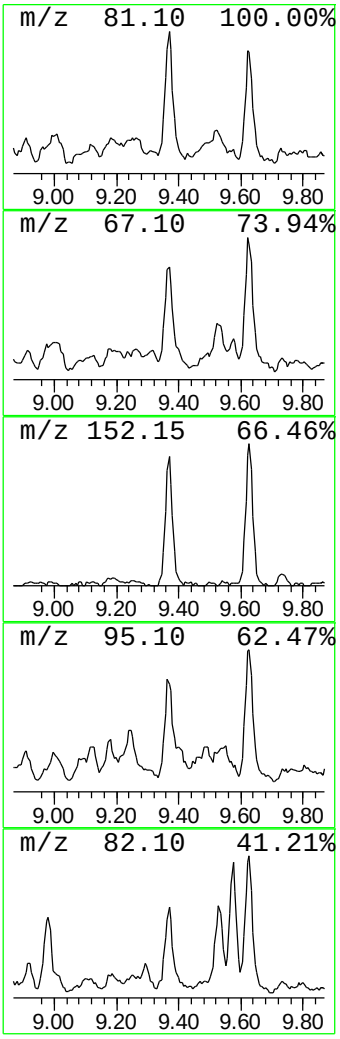
Peak Number 23 (DEL) Alkane: Branched9.37 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	3.29 ng/ul	398302	Naphthalene-d8	10.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	90
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
4	Pulegone	152	C10H16O	000089-82-7	74
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	70





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Misc :
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Instrument : BNA_M
ClientSampleId : D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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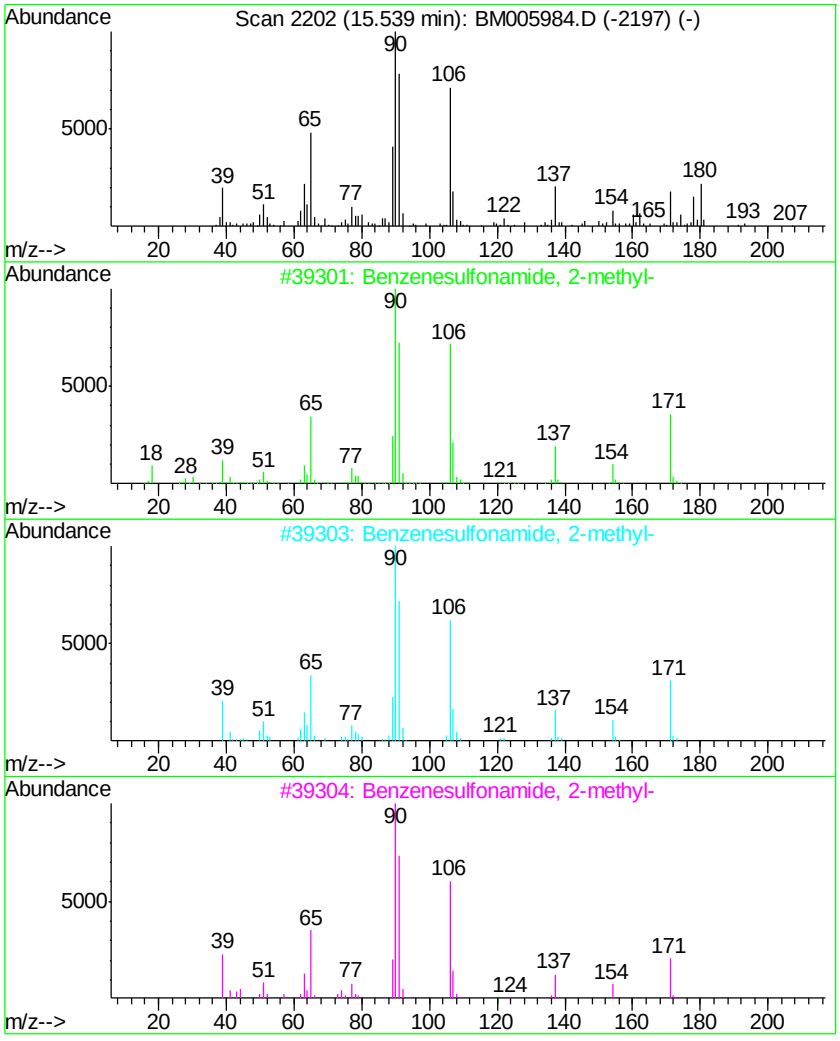
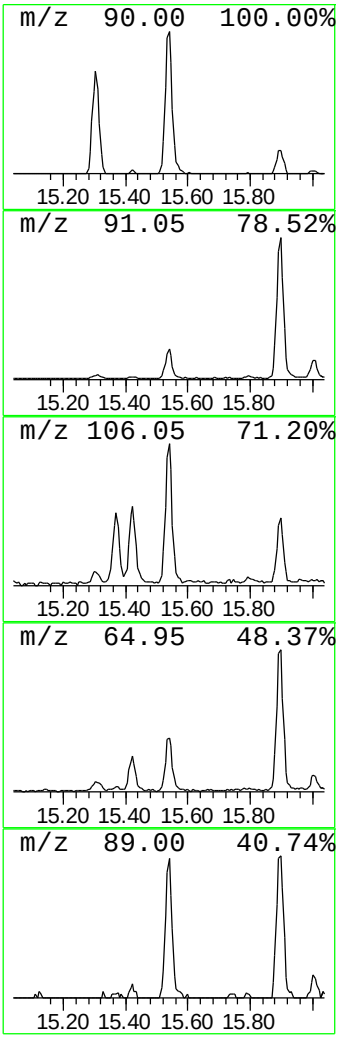
Peak Number 25 Benzenesulfonamide, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.32 ng/ul	336829	Acenaphthene-d10	14.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, 2-methyl-	171	C7H9NO2S	000088-19-7	93
2	Benzenesulfonamide, 2-methyl-	171	C7H9NO2S	000088-19-7	93
3	Benzenesulfonamide, 2-methyl-	171	C7H9NO2S	000088-19-7	91
4	Benzenesulfonamide, 2-methyl-	171	C7H9NO2S	000088-19-7	90
5	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	50





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Misc :
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Instrument : BNA_M
ClientSampleId : D9Z24

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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 Benzenesulfonamide, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	3.84 ng/ul	630358	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, 4-methyl-	171	C7H9NO2S	000070-55-3	98
2	Benzenesulfonamide, 4-methyl-	171	C7H9NO2S	000070-55-3	98
3	Benzenesulfonamide, 4-methyl-	171	C7H9NO2S	000070-55-3	97
4	Benzenesulfonamide, 4-methyl-	171	C7H9NO2S	000070-55-3	97
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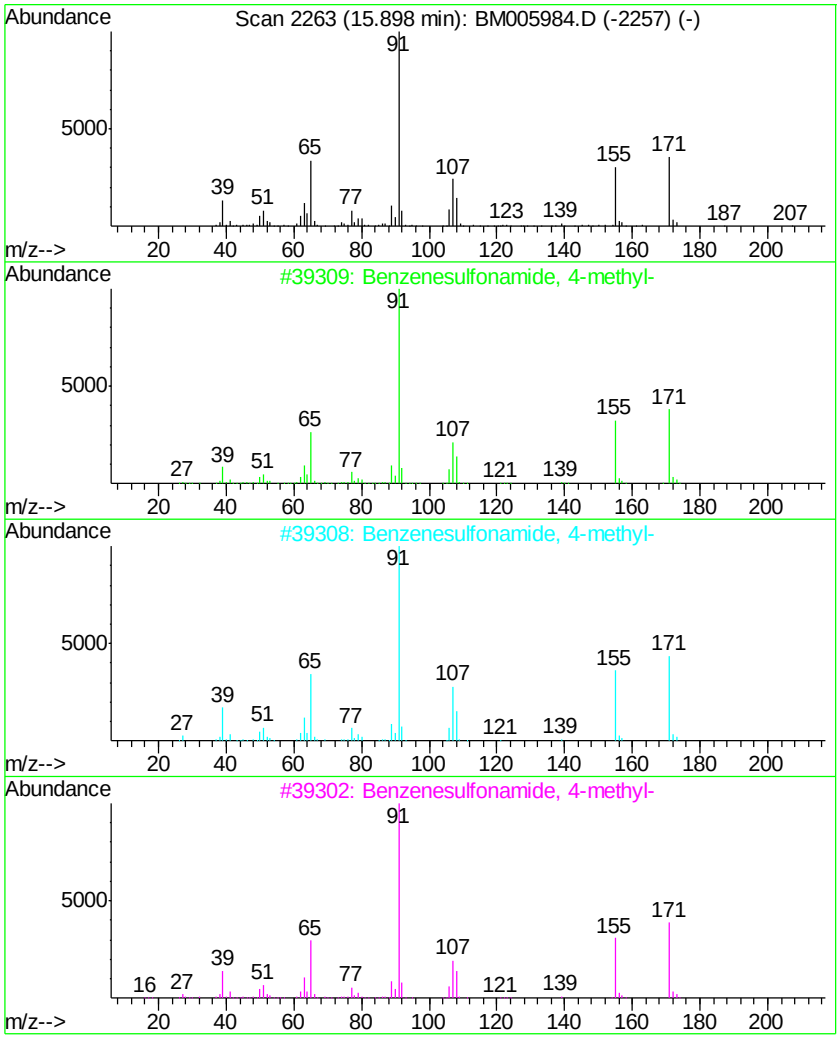

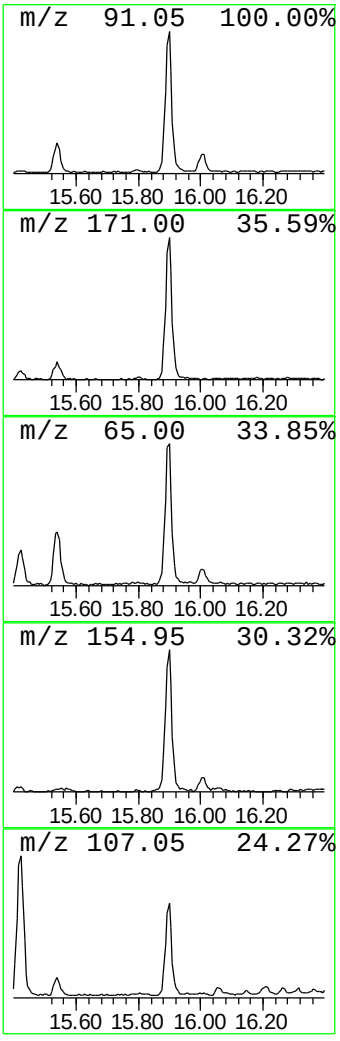

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Quant Title : SVOA CALIBRATION

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

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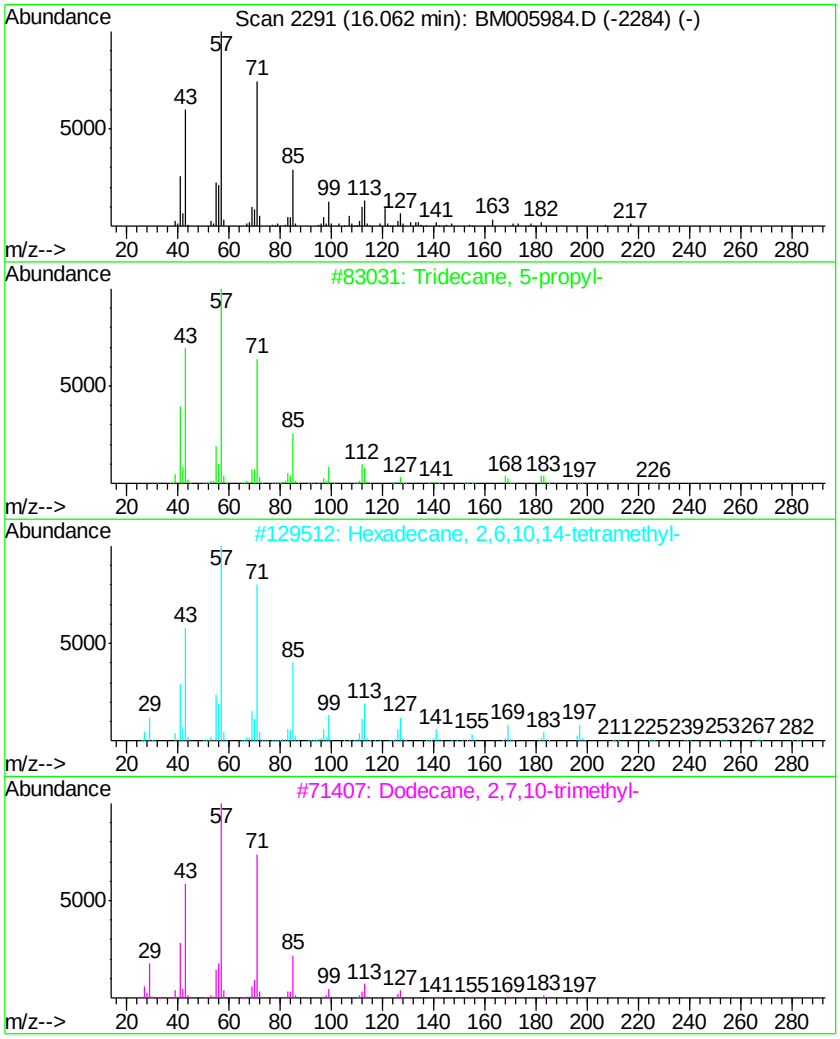
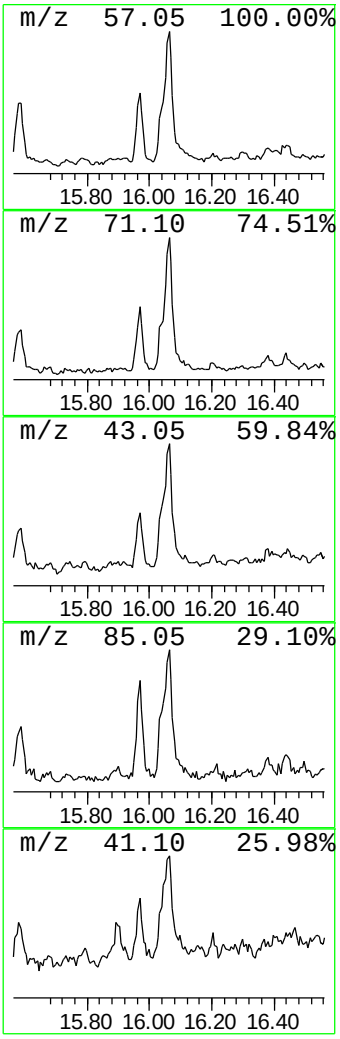
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.29 ng/ul	375811	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64





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

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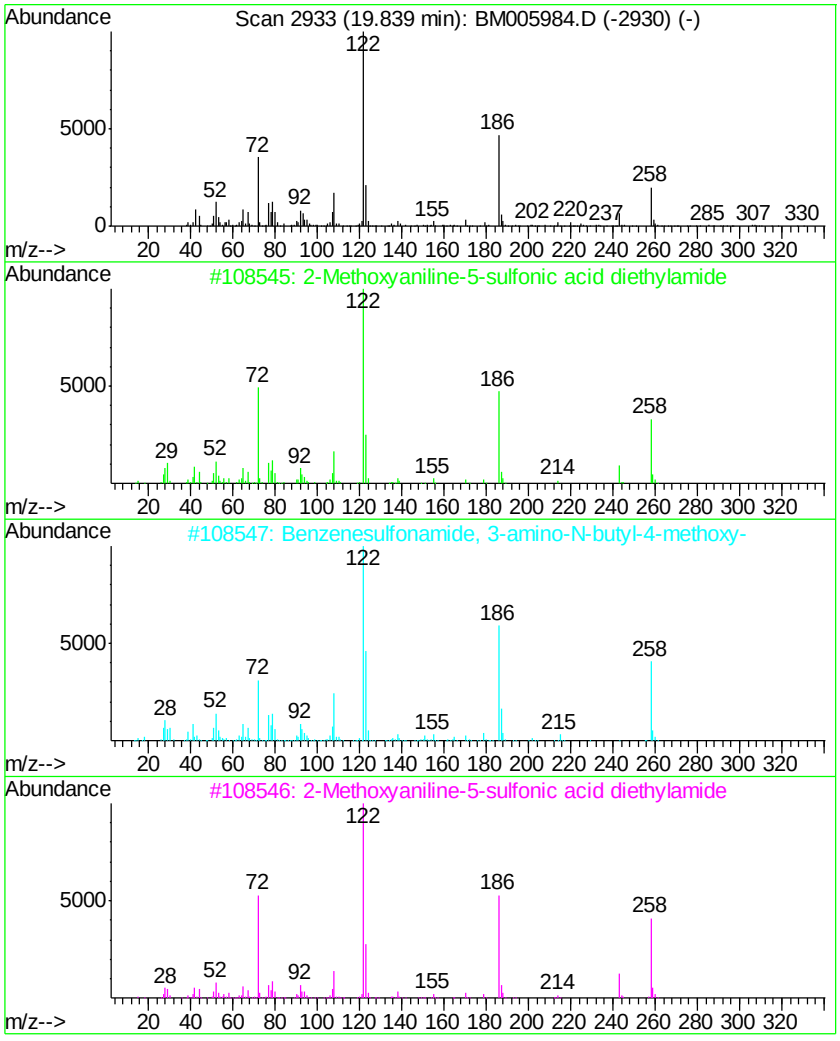
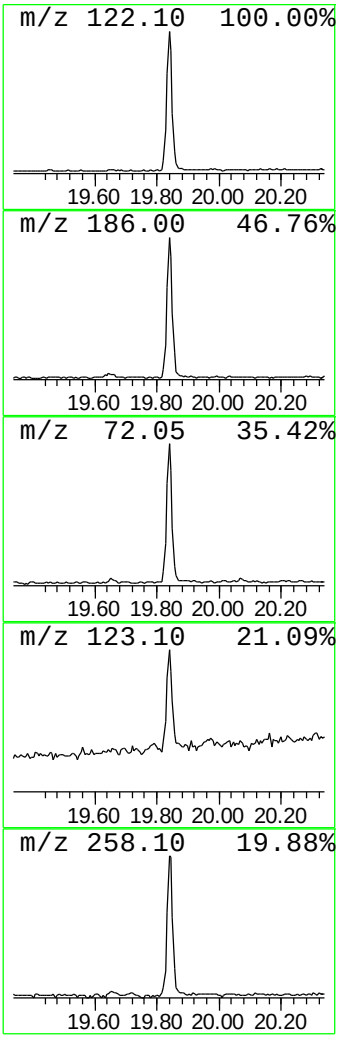
Peak Number 28 2-Methoxyaniline-5-sulfonic... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.51 ng/ul	586034	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methoxyaniline-5-sulfonic acid...	258	C11H18N2O3S	000097-35-8	96
2	Benzenesulfonamide, 3-amino-N-bu...	258	C11H18N2O3S	000080-22-8	91
3	2-Methoxyaniline-5-sulfonic acid...	258	C11H18N2O3S	000097-35-8	38
4	4-Pyridinamine, 2,6-dimethyl-	122	C7H10N2	003512-80-9	30
5	1,3-Benzenediamine, 4-methyl-	122	C7H10N2	000095-80-7	27





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Quant Title : SVOA CALIBRATION

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

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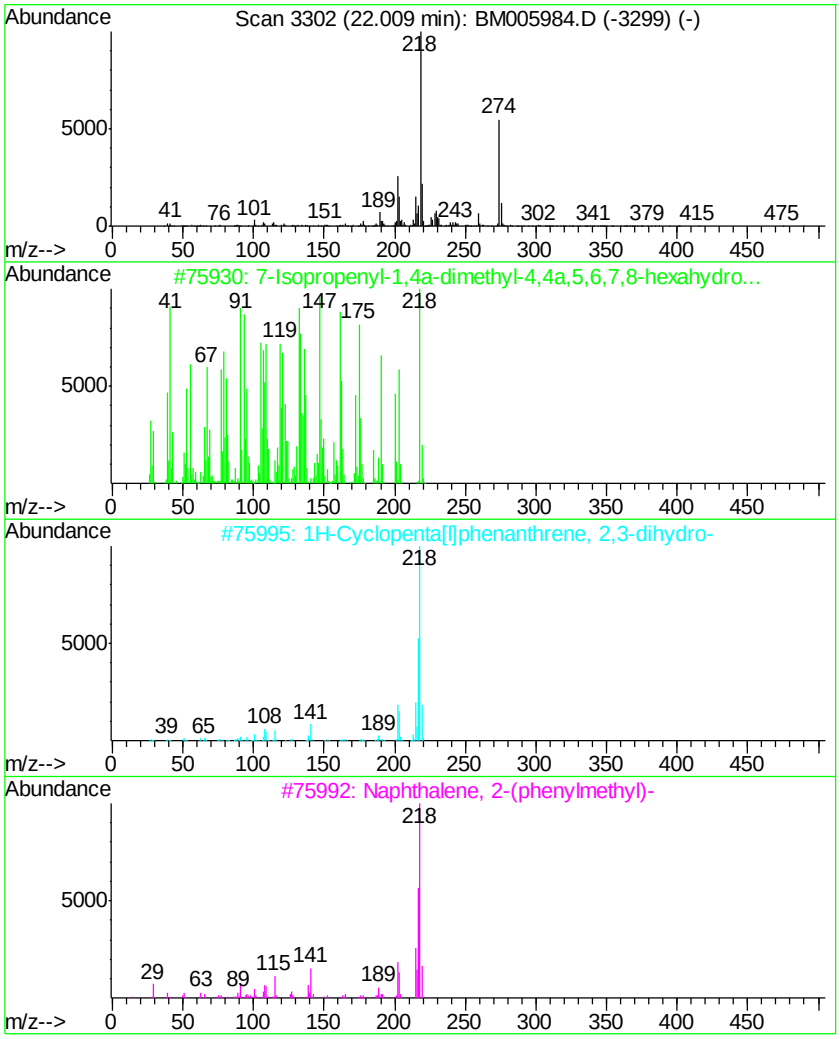
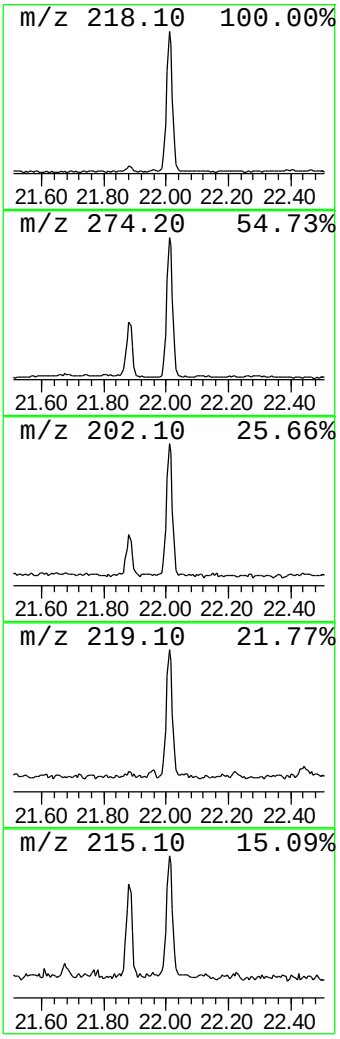
Peak Number 29 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.01	5.29 ng/ul	882680	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	80
2	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	49
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	49
4	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	46
5	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005984.D
Acq On : 25 Jun 2016 02:13
Operator : UM/SJ
Sample : H3612-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z24

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.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
unknown-01	5.95	2.9	ng/ul	275716	1	7.66	1921600	20.0
(DEL) Alkane: Str...	6.16	2.4	ng/ul	227823	1	7.66	1921600	20.0
(DEL) Alkane: Str...	6.23	3.5	ng/ul	335752	1	7.66	1921600	20.0
(DEL) Alkane: Str...	6.34	3.9	ng/ul	374326	1	7.66	1921600	20.0
(DEL) Alkane: Str...	6.55	2.8	ng/ul	264508	1	7.66	1921600	20.0
(DEL) Alkane: Cyc...	6.76	2.1	ng/ul	197833	1	7.66	1921600	20.0
(DEL) Alkane: Str...	7.32	2.3	ng/ul	217842	1	7.66	1921600	20.0
Sulfurous acid, c...	7.39	2.1	ng/ul	204467	1	7.66	1921600	20.0
(DEL) Alkane: Str...	7.47	5.8	ng/ul	561908	1	7.66	1921600	20.0
unknown-02	7.56	2.6	ng/ul	253815	1	7.66	1921600	20.0
(DEL) Alkane: Cyc...	7.59	4.0	ng/ul	384443	1	7.66	1921600	20.0
(DEL) Alkane: Str...	7.73	5.2	ng/ul	501361	1	7.66	1921600	20.0
unknown-03	7.79	2.0	ng/ul	196955	1	7.66	1921600	20.0
(DEL) Alkane: Str...	7.85	8.6	ng/ul	824824	1	7.66	1921600	20.0
(DEL) Alkane: Cyc...	7.94	11.8	ng/ul	1132180	1	7.66	1921600	20.0
(DEL) Alkane: Cyc...	8.01	4.1	ng/ul	394859	1	7.66	1921600	20.0
1-Dodecanol, 2-oc...	8.10	3.3	ng/ul	319189	1	7.66	1921600	20.0
unknown-04	8.17	2.3	ng/ul	224342	1	7.66	1921600	20.0
(DEL) Alkane: Cyc...	8.21	2.7	ng/ul	257499	1	7.66	1921600	20.0
(DEL) Alkane: Cyc...	8.92	2.8	ng/ul	268302	1	7.66	1921600	20.0
(DEL) Alkane: Cyc...	8.97	3.4	ng/ul	326813	1	7.66	1921600	20.0
unknown-05	9.01	4.2	ng/ul	403161	1	7.66	1921600	20.0
(DEL) Alkane: Bra...	9.37	3.3	ng/ul	398302	2	10.44	2424000	20.0
Benzenesulfonamid...	15.54	2.3	ng/ul	336829	3	14.31	2908960	20.0
Benzenesulfonamid...	15.90	3.8	ng/ul	630358	4	17.06	3281240	20.0
(DEL) Alkane: Str...	16.06	2.3	ng/ul	375811	4	17.06	3281240	20.0
2-Methoxyaniline-...	19.84	3.5	ng/ul	586034	5	21.24	3339410	20.0
7-Isopropenyl-1,4...	22.01	5.3	ng/ul	882680	5	21.24	3339410	20.0