LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012162.D
Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

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\SOM-EPA-BM101217.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	4.993	318	324	329	rBV2	130439	216370	2.45%	0.166%
2	5.228	360	364	374	rVB	139155	220762	2.49%	0.169%
3	5.669	433	439	444	rBV4	88623	177116	2.00%	0.136%
4	5.822	460	465	471	rVB	135901	224716	2.54%	0.173%
5	6.075	499	508	514	rBV4	227393	622909	7.04%	0.478%
6	6.281	537	543	552	rBV4	194976	526605	5.95%	0.404%
7	6.399	558	563	565	rBV2	156779	242347	2.74%	0.186%
8	6.434	565	569	577	rVB3	398607	736200	8.32%	0.565%
9	6.551	585	589	594	rVB2	131005	211675	2.39%	0.163%
10	6.616	594	600	606	rVB5	161891	287285	3.25%	0.221%
11	6.693	606	613	620	rVB5	75951	172407	1.95%	0.132%
12	6.899	643	648	650	rBV3	112029	169824	1.92%	0.130%
13	6.940	650	655	660	rVV2	466919	952516	10.76%	0.731%
14	6.993	660	664	675	rVB	592433	1109461	12.54%	0.852%
15	7.151	682	691	695	rBV2	569375	1161817	13.13%	0.892%
16	7.287	710	714	719	rVV	346575	568415	6.42%	0.436%
17	7.351	719	725	738	rVB3	1004230	2143137	24.22%	1.645%
18	7.457	738	743	749	rBV4	100693	218565	2.47%	0.168%
19	7.516	749	753	759	rVB3	204102	350311	3.96%	0.269%
20	7.622	765	771	777	rVB7	101126	235267	2.66%	0.181%
21	7.728	778	789	795	rBV8	157326	583851	6.60%	0.448%
22	7.822	800	805	810	rVB	660873	997988	11.28%	0.766%
23	7.875	810	814	818	rVB4	138559	221853	2.51%	0.170%
24	7.922	818	822	828	rBV5	106127	262148	2.96%	0.201%
25	7.987	828	833	837	rVB3	219593	333037	3.76%	0.256%
26	8.087	845	850	857	rBV2	412160	666166	7.53%	0.511%
27	8.151	857	861	870	rVB5	119031	222172	2.51%	0.171%
28	8.304	882	887	890	rBV2	114277	194231	2.20%	0.149%
29	8.363	894	897	907	rVB2	207763	351639	3.97%	0.270%
30	8.534	917	926	932	rBV	808616	1358771	15.36%	1.043%
31	8.640	940	944	950	rBV2	368942	680856	7.69%	0.523%
32	8.793	965	970	979	rVB10	57240	178434	2.02%	0.137%
33	8.916	979	991	997	rVV3	618549	1334275	15.08%	1.024%
34	8.992	997	1004	1013	rVV2	938436	1865046	21.08%	1.432%

LSC Area Percent Report

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Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

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\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	9.116	1021	1025	1028	rBV2	154864	263479	2.98%	0.202%
36	9.157	1028	1032	1041	rVB6	205321	475239	5.37%	0.365%
37	9.263	1046	1050	1058	rVB2	124299	220381	2.49%	0.169%
38	9.445	1075	1081	1085	rBV	208055	324209	3.66%	0.249%
39	9.534	1091	1096	1107	rVB3	189405	418399	4.73%	0.321%
40	9.710	1117	1126	1134	rVV3	653307	1368582	15.47%	1.051%
41	9.792	1134	1140	1153	rVB7	201814	528141	5.97%	0.405%
42	10.016	1172	1178	1185	rBV2	194402	374495	4.23%	0.288%
43	10.251	1212	1218	1225	rVV	853591	1541283	17.42%	1.183%
44	10.622	1268	1281	1287	rBV	921436	1767365	19.97%	1.357%
45	10.769	1300	1306	1314	rVB	435746	776620	8.78%	0.596%
46	13.880	1825	1835	1839	rVV	1636441	2417427	27.32%	1.856%
47	13.927	1839	1843	1849	rVB	387212	559579	6.32%	0.430%
48	14.169	1877	1884	1901	rBV	1969253	3086235	34.88%	2.369%
49	14.475	1923	1936	1942	rBV2	1274638	2026702	22.90%	1.556%
50	14.533	1942	1946	1954	rVB	246813	391109	4.42%	0.300%
51	14.698	1965	1974	1980	rBV4	151571	354639	4.01%	0.272%
52	14.874	1996	2004	2012	rVV3	125284	291820	3.30%	0.224%
53	15.469	2097	2105	2110	rBV	2457709	3518791	39.77%	2.702%
54	15.521	2110	2114	2121	rVB	307124	461168	5.21%	0.354%
55	15.610	2124	2129	2133	rBV2	364328	554542	6.27%	0.426%
56	16.163	2218	2223	2226	rBV2	103716	174086	1.97%	0.134%
57	16.521	2277	2284	2289	rBV2	113373	240399	2.72%	0.185%
58	16.957	2353	2358	2364	rVV6	132534	311942	3.53%	0.239%
59	17.039	2368	2372	2384	rVB	190108	322165	3.64%	0.247%
60	17.221	2397	2403	2406	rBV	1562642	2210459	24.98%	1.697%
61	17.263	2406	2410	2415	rVV	3437859	4688033	52.98%	3.599%
62	17.321	2415	2420	2423	rVV	2593044	3722423	42.07%	2.858%
63	17.357	2423	2426	2430	rVV	769103	1042677	11.78%	0.801%
64	17.415	2431	2436	2440	rVB2	79247	171800	1.94%	0.132%
65	17.627	2467	2472	2480	rBV3	122788	305650	3.45%	0.235%
66	18.092	2546	2551	2556	rBV	964266	1409700	15.93%	1.082%
67	18.145	2556	2560	2566	rVB	900244	1241428	14.03%	0.953%
68	18.227	2569	2574	2579	rVV	364019	550708	6.22%	0.423%
69	18.292	2579	2585	2589	rVV2	956074	1933309	21.85%	1.484%
70	18.327	2589	2591	2597	rVB	578808	666904	7.54%	0.512%
71	18.592	2632	2636	2641	rBV	406465	566260	6.40%	0.435%

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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

72	18.839	2674	2678	2682	rVB2	265185	369263	4.17%	0.284%
73	18.892	2683	2687	2690	rBV	211835	273618	3.09%	0.210%
74	18.927	2690	2693	2697	rVB	146701	190344	2.15%	0.146%
75	19.009	2702	2707	2712	rBV	706591	1221707	13.81%	0.938%
76	19.151	2727	2731	2739	rBV4	246989	646995	7.31%	0.497%
77	19.280	2747	2753	2758	rBV	6013283	8033349	90.78%	6.168%
78	19.374	2765	2769	2773	rBV	527093	637320	7.20%	0.489%
79	19.521	2790	2794	2798	rBV2	237942	437839	4.95%	0.336%
80	19.615	2804	2810	2812	rBV2	4034335	5839506	65.99%	4.483%
81	19.645	2812	2815	2822	rVV	5729885	7644609	86.39%	5.869%
82	19.709	2823	2826	2832	rVB2	462291	747039	8.44%	0.574%
83	19.962	2864	2869	2870	rBV2	452643	652053	7.37%	0.501%
84	20.133	2894	2898	2902	rVB	1140855	1541785	17.42%	1.184%
85	20.233	2911	2915	2919	rBV	1092237	1512620	17.09%	1.161%
86	20.292	2923	2925	2929	rVB	631721	775679	8.77%	0.596%
87	20.433	2946	2949	2953	rBV	537836	649029	7.33%	0.498%
88	20.480	2954	2957	2961	rVB	463472	518858	5.86%	0.398%
89	21.051	3051	3054	3057	rBV	502244	578919	6.54%	0.444%
90	21.086	3057	3060	3064	rVB	744771	827612	9.35%	0.635%
91	21.127	3064	3067	3072	rBV2	375135	557858	6.30%	0.428%
92	21.386	3106	3111	3117	rBV2	4819199	8848766	100.00%	6.794%
93	21.439	3117	3120	3130	rVB	3893914	4914198	55.54%	3.773%
94	21.556	3137	3140	3147	rVB	688852	870474	9.84%	0.668%
95	21.956	3206	3208	3213	rVB	805879	983165	11.11%	0.755%
96	23.021	3383	3389	3394	rBV	2813264	6761771	76.41%	5.191%
97	23.515	3469	3473	3478	rBV	1452685	2720232	30.74%	2.088%
98	23.574	3478	3483	3486	rVV2	1951790	3690892	41.71%	2.834%
99	23.621	3487	3491	3499	rVB	2774357	4852021	54.83%	3.725%
100	23.715	3503	3507	3512	rBV	1082851	1874809	21.19%	1.439%

Sum of corrected areas: 130248650

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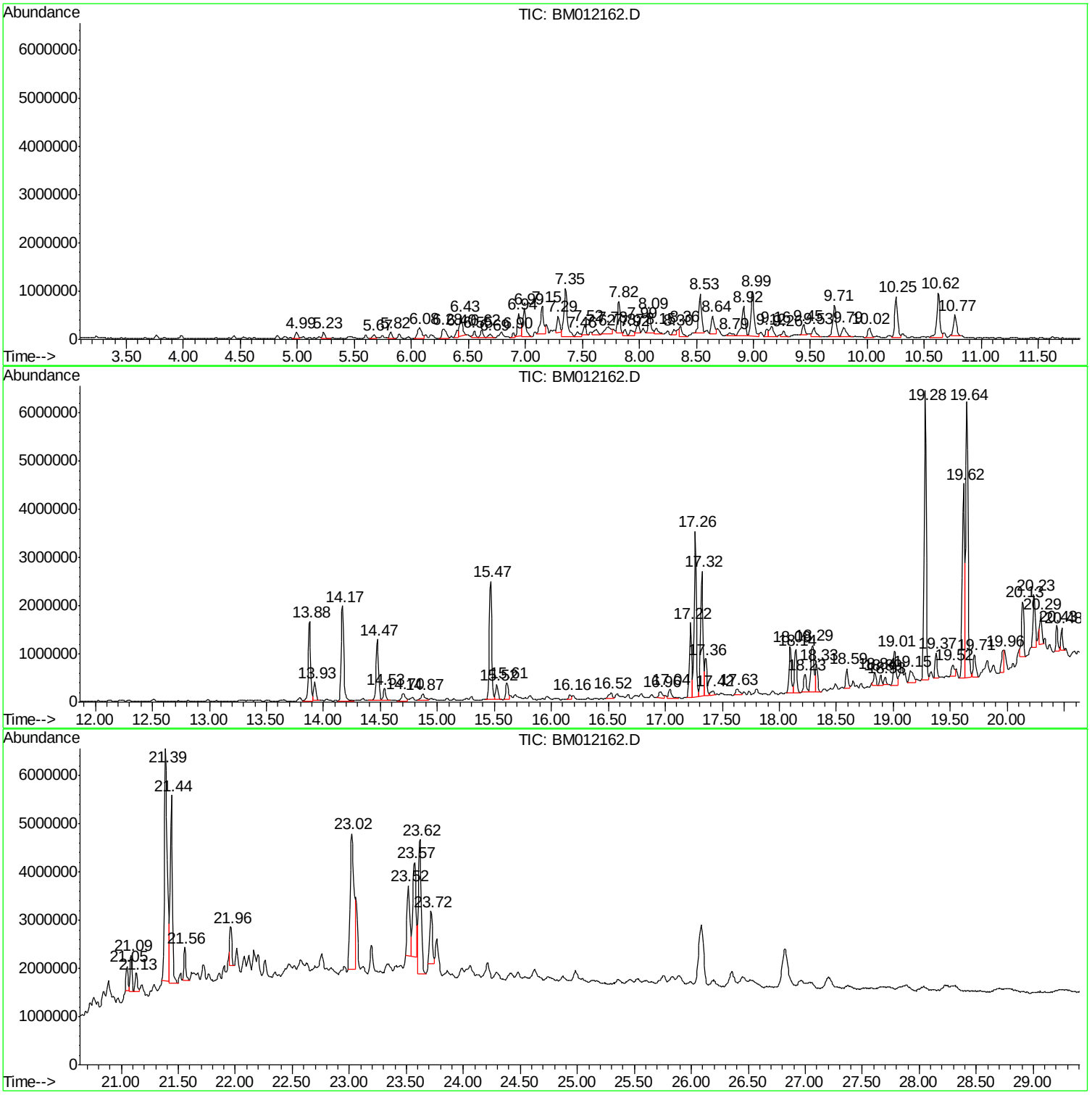
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

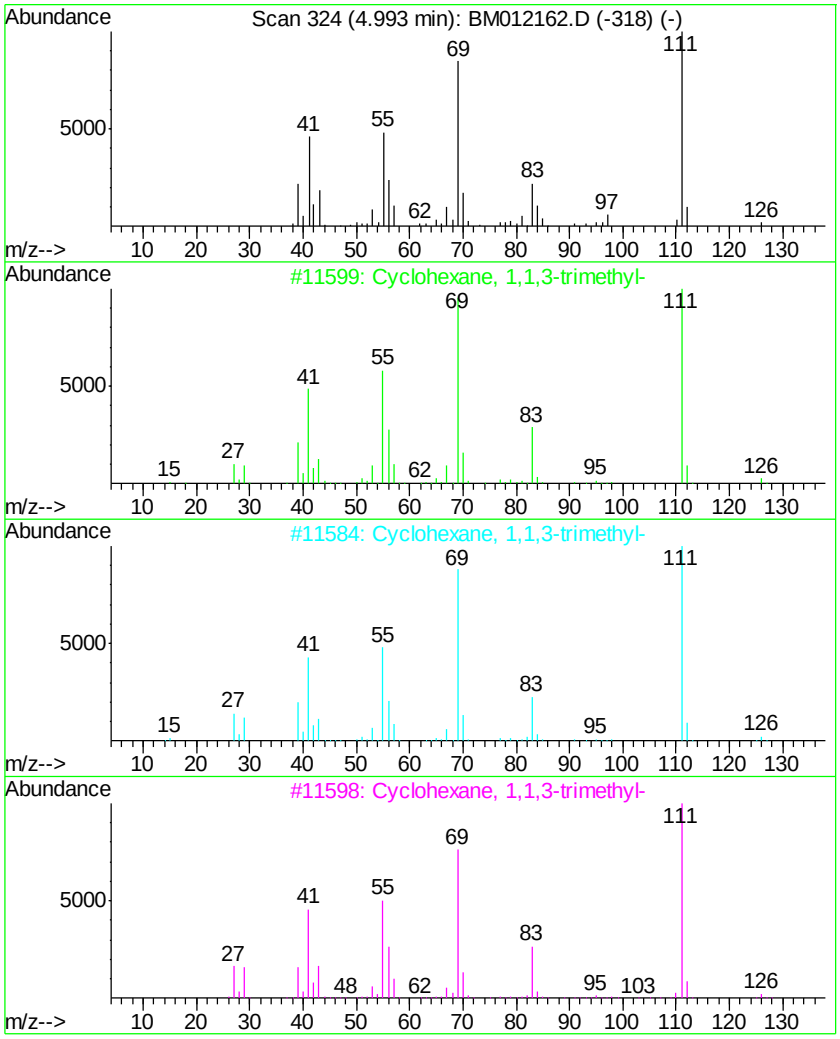
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

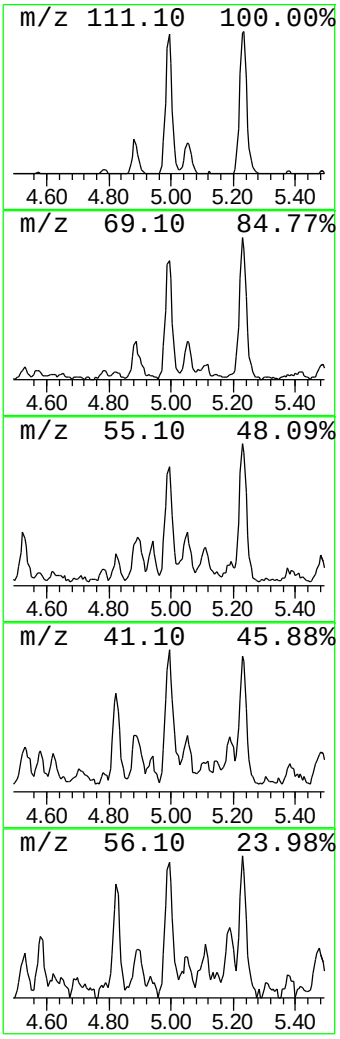
****

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	4.34 ng/ul	216370	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012162.D
Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-42(7-9)-100217

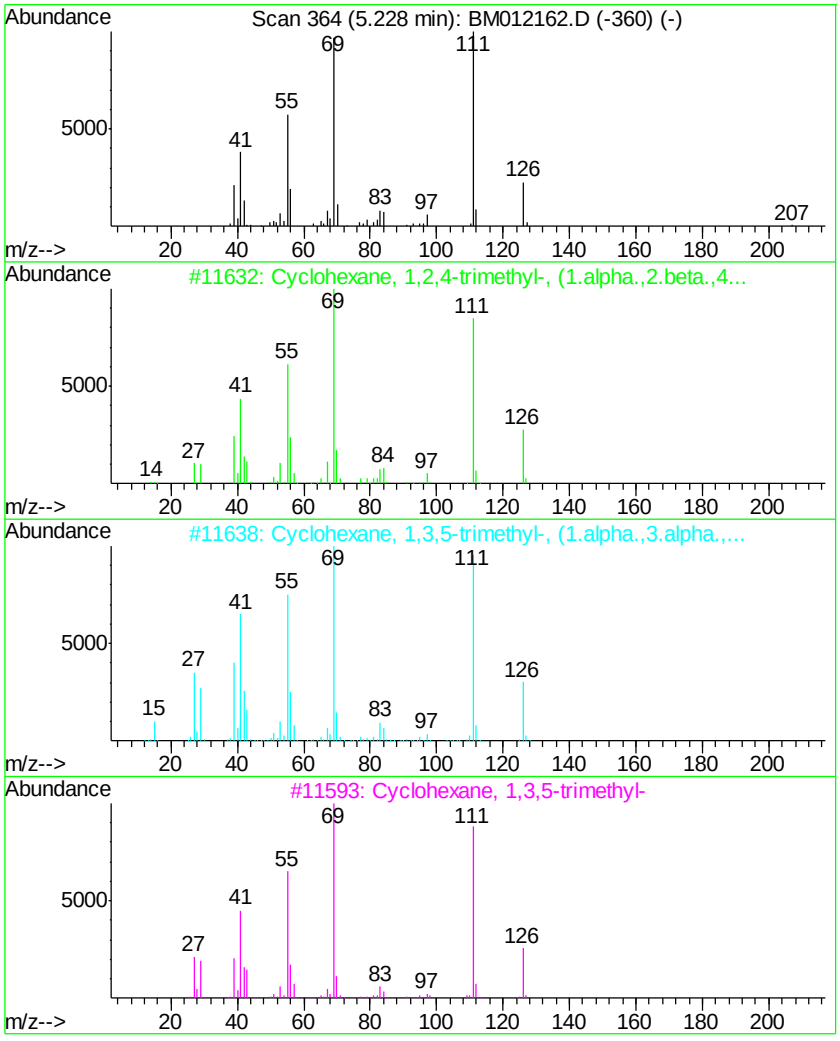
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

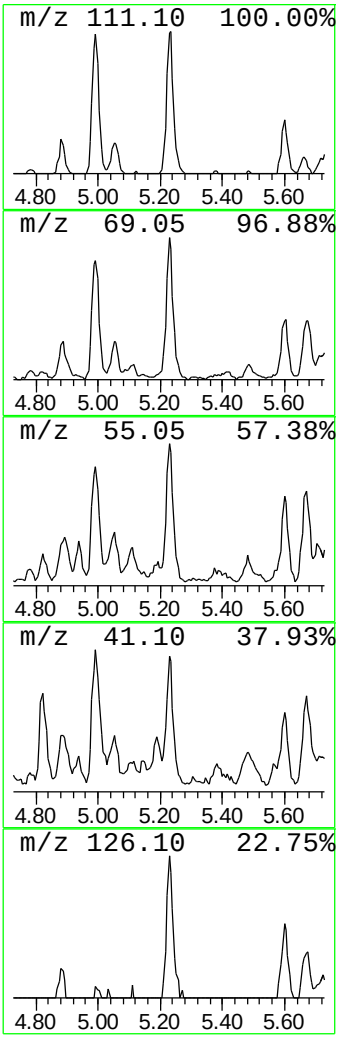
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, 1,2,4-trimethy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	4.42 ng/ul	220762	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

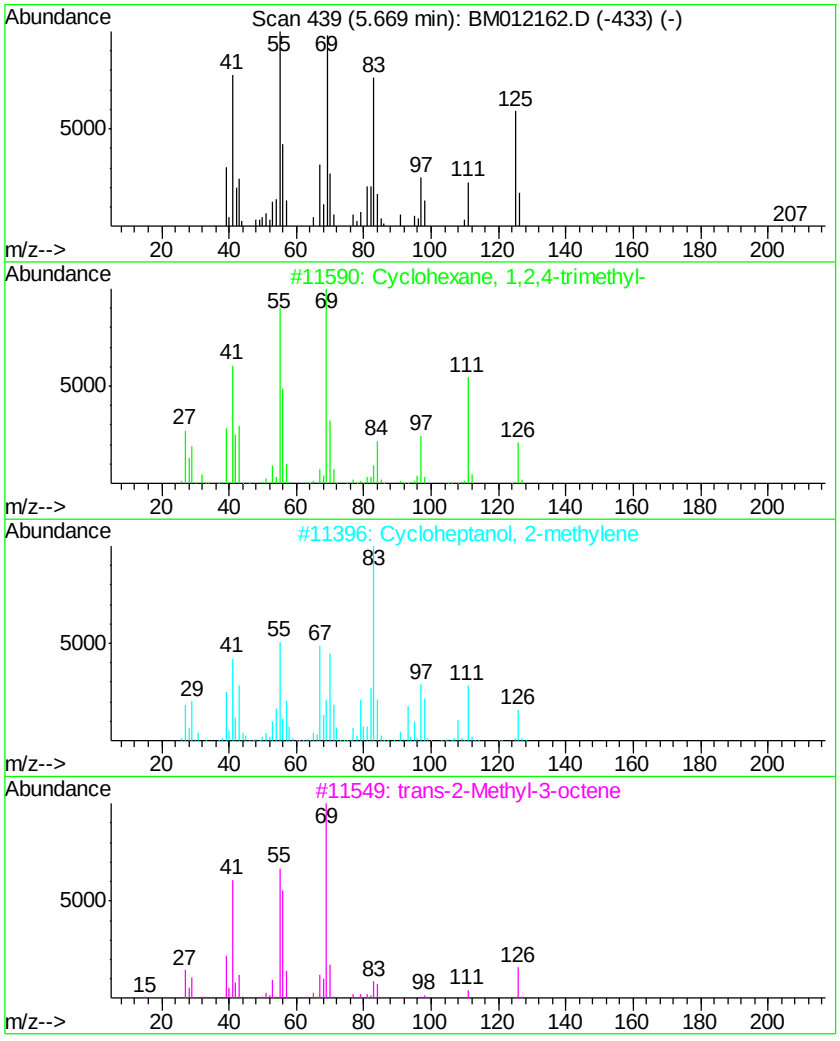
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

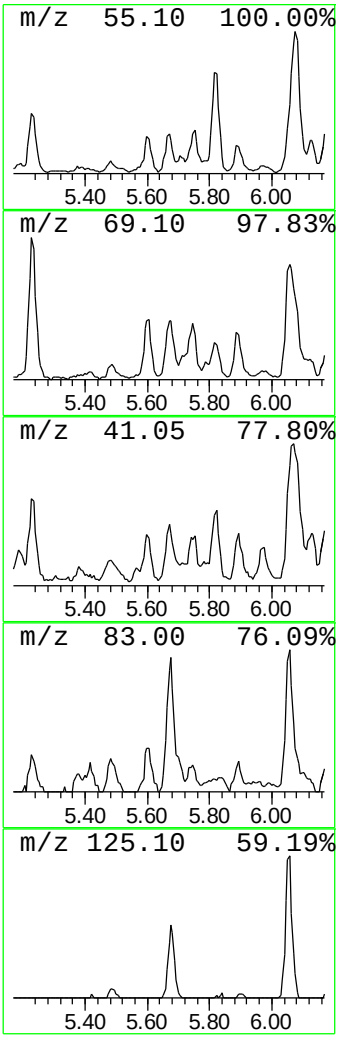
****

Peak Number 3 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.67	3.55 ng/ul	177116	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	64
2	Cycloheptanol, 2-methylene	126	C8H14O	016240-38-3	38
3	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	30
4	2-Methyl-2-octene	126	C9H18	016993-86-5	30
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	25





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

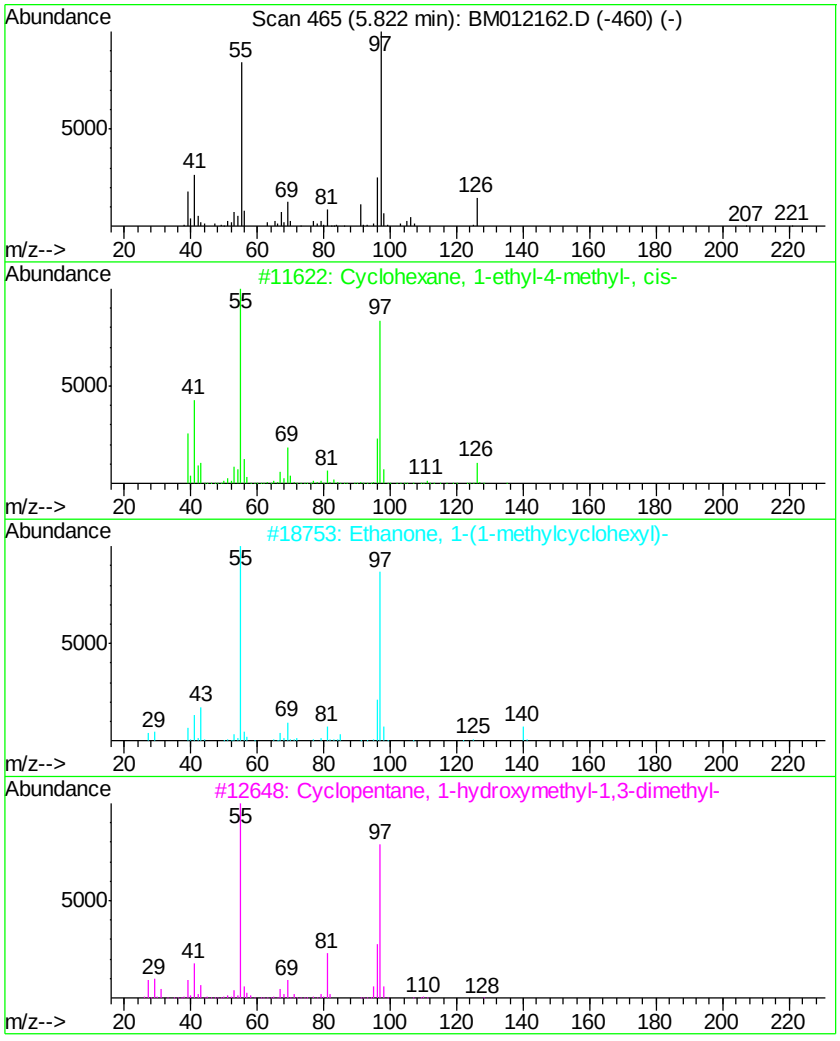
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

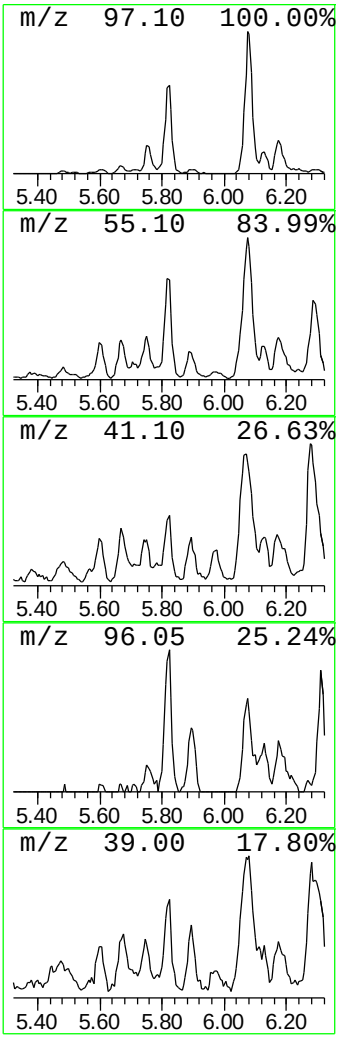
****

Peak Number 4 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	4.50 ng/ul	224716	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
2	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
3	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	60
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012162.D
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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

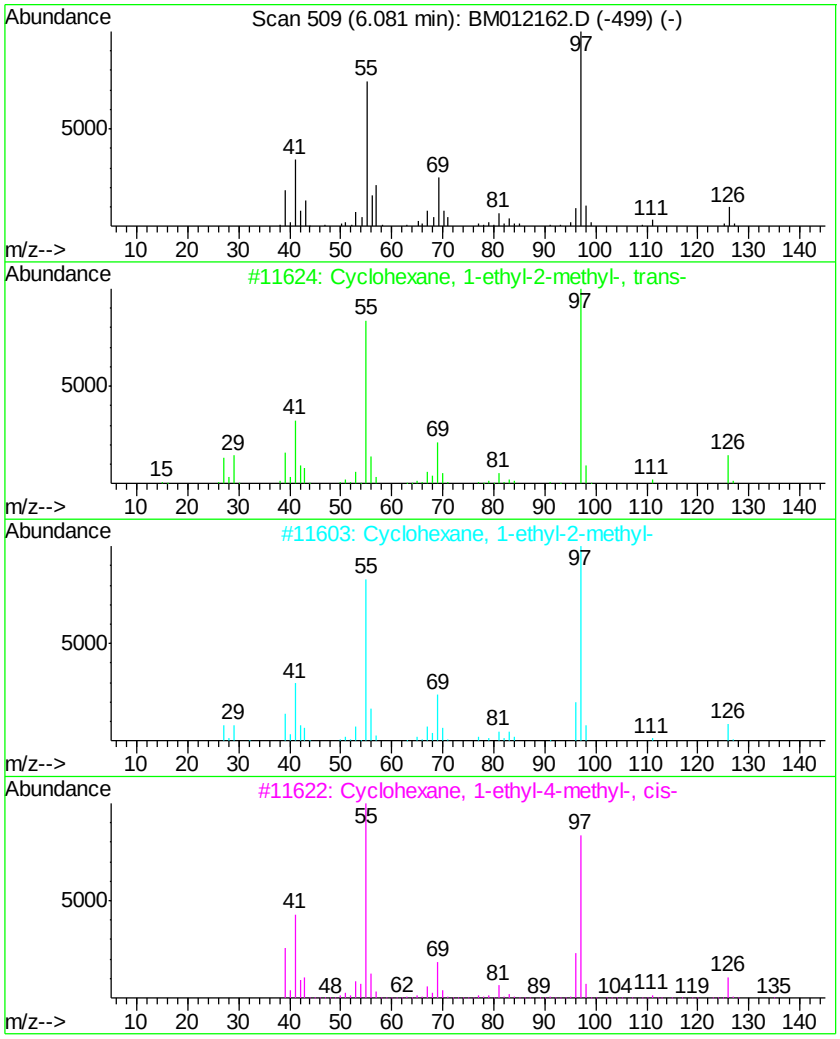
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

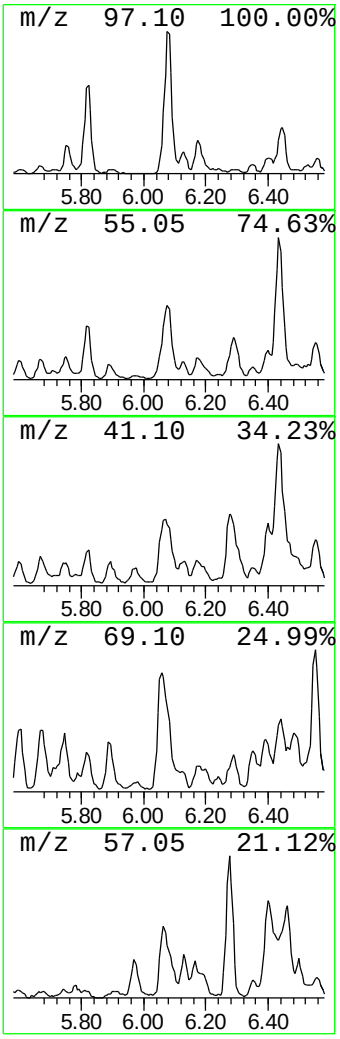
****

Peak Number 5 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	12.48 ng/ul	622909	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	90
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	80
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	78
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72





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Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

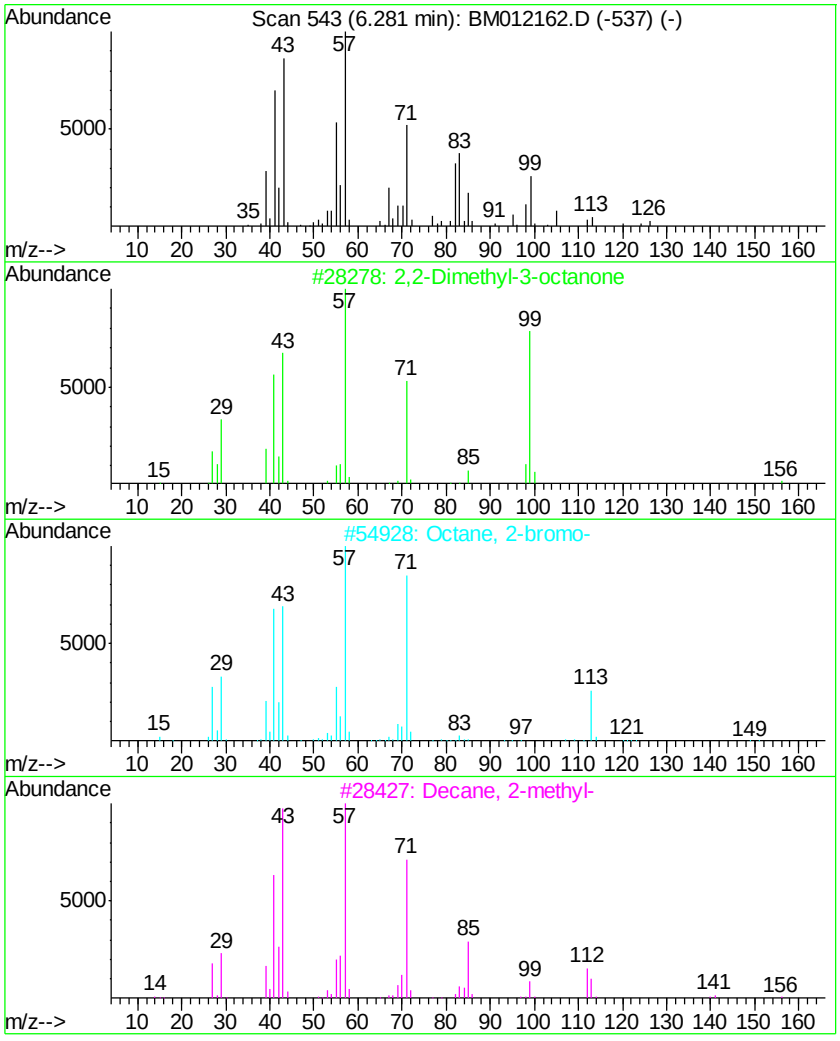
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

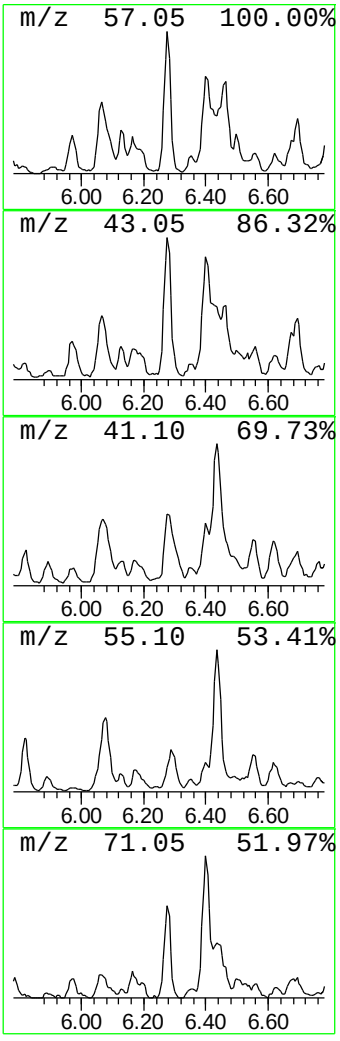
****

Peak Number 6 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	10.55 ng/ul	526605	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	43
2	Octane, 2-bromo-	192	C8H17Br	000557-35-7	35
3	Decane, 2-methyl-	156	C11H24	006975-98-0	35
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	27
5	1-Decene, 4-methyl-	154	C11H22	013151-29-6	27





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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

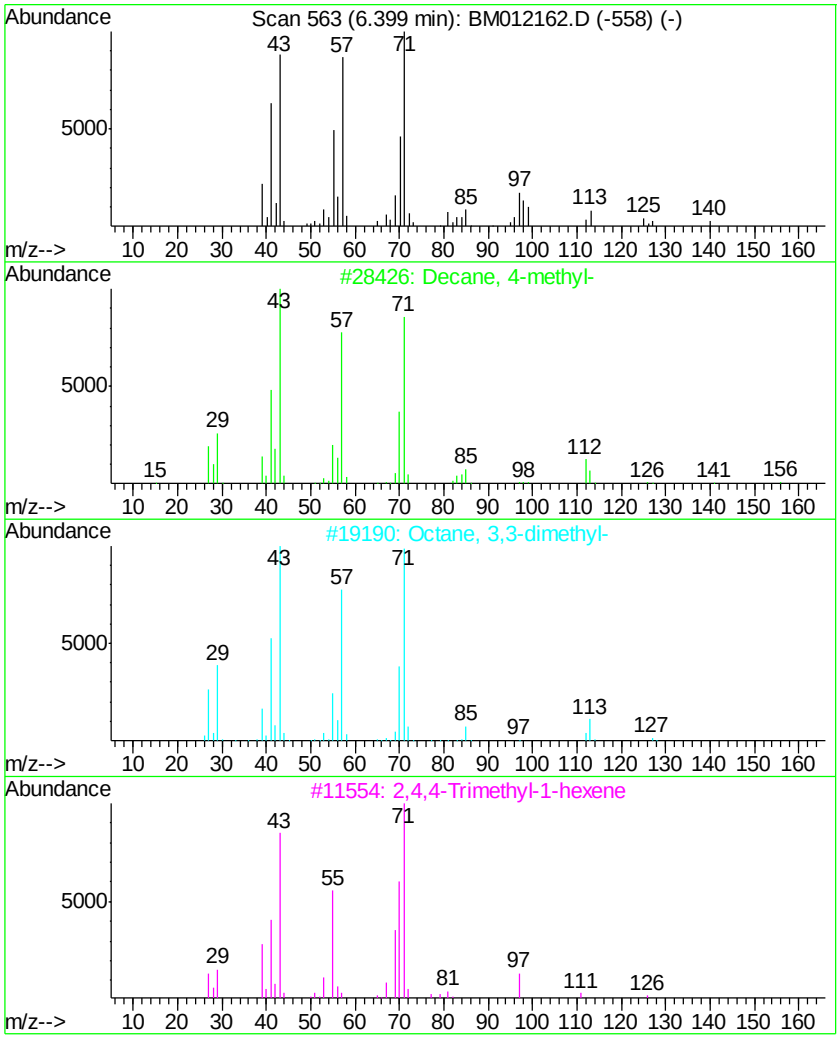
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

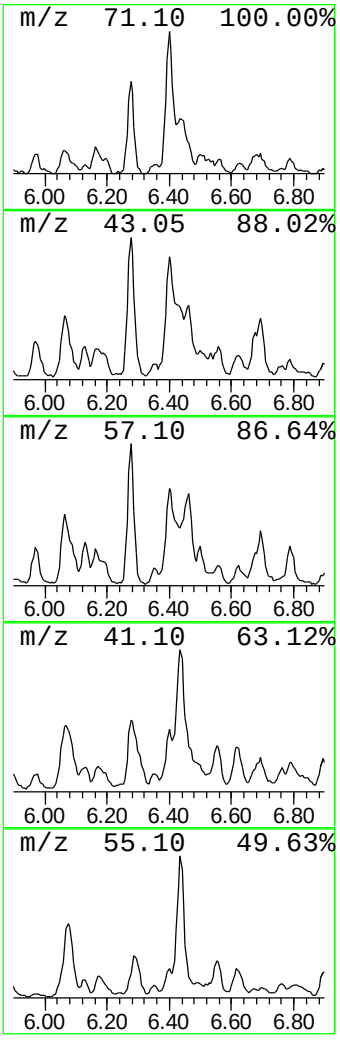
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	4.86 ng/ul	242347	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	59
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
3	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	58
4	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	53
5	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	53





Library Search Compound Report

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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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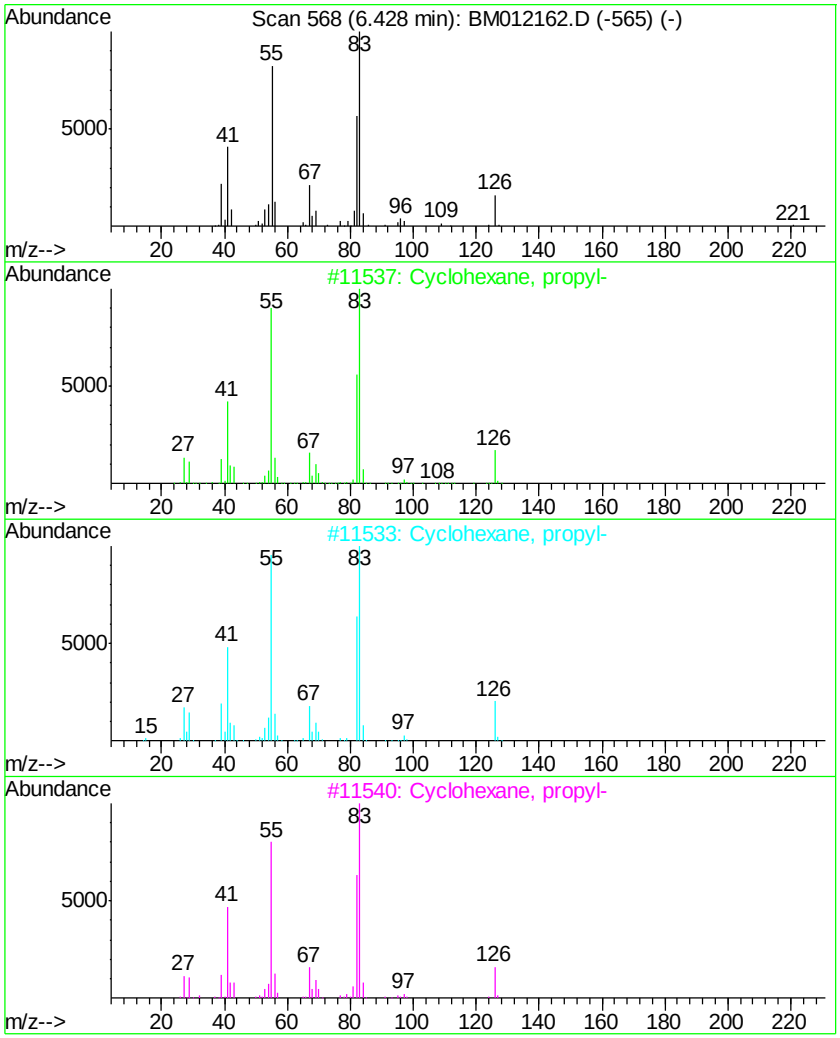
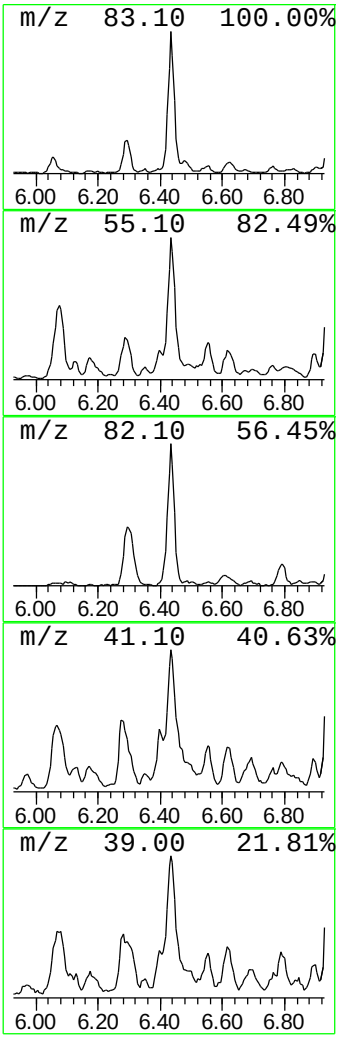
Peak Number 8 (DEL) Alkane: Cyclic 6.43 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	14.75 ng/ul	736200	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	93
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	86
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	78
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	74





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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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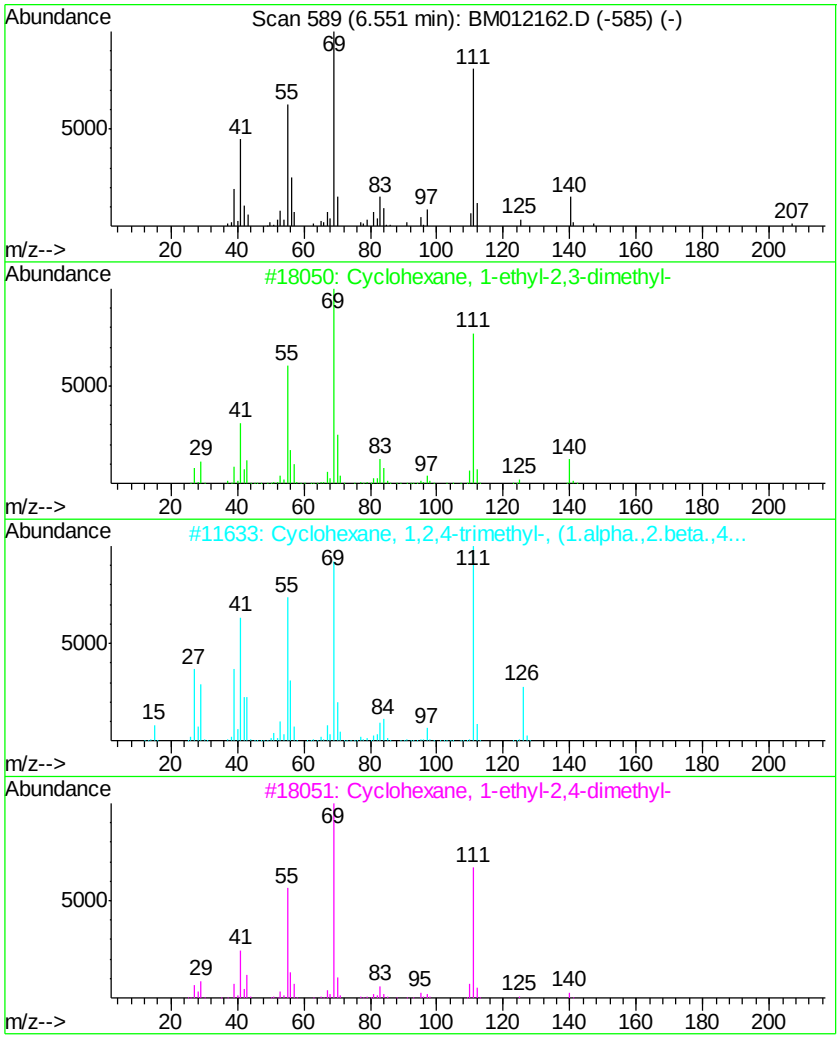
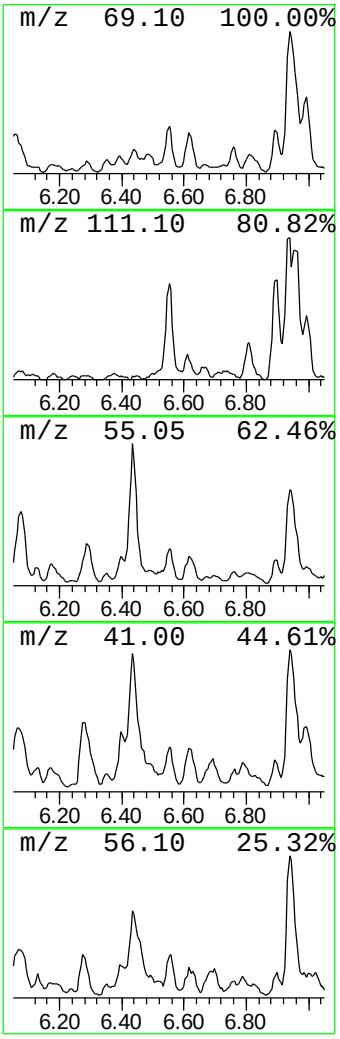
Peak Number 9 (DEL) Alkane: Cyclic6.55 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	4.24 ng/ul	211675	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	78
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64





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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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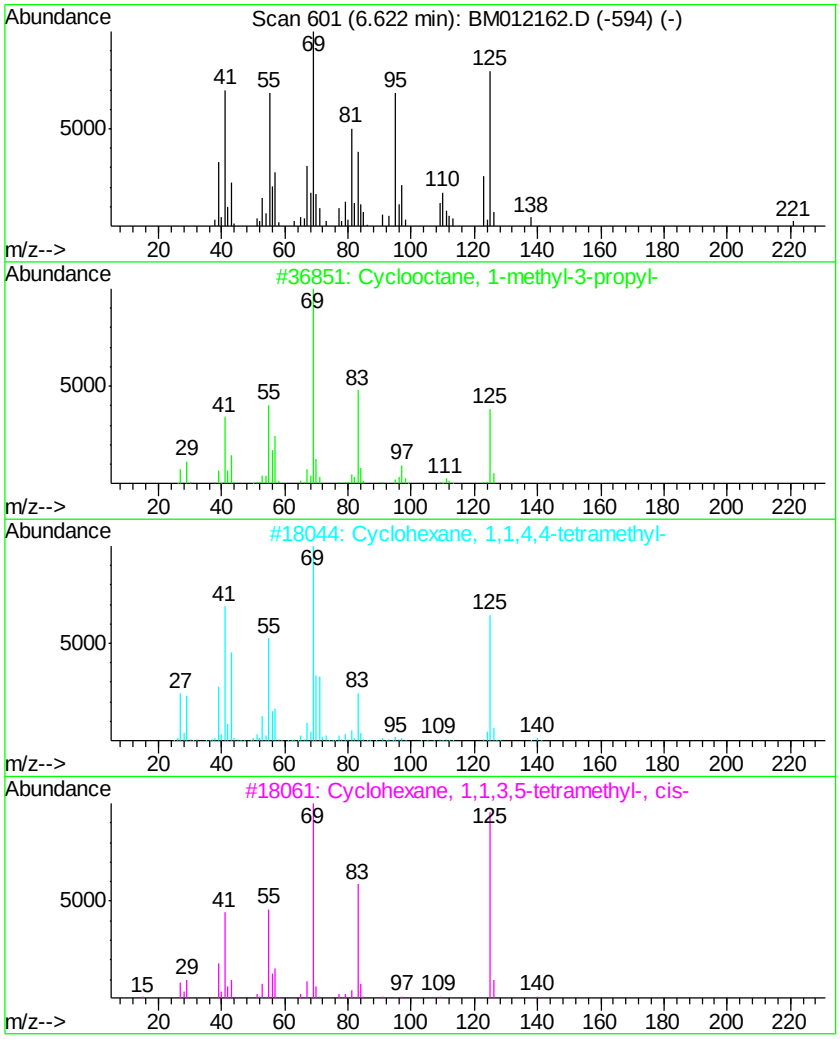
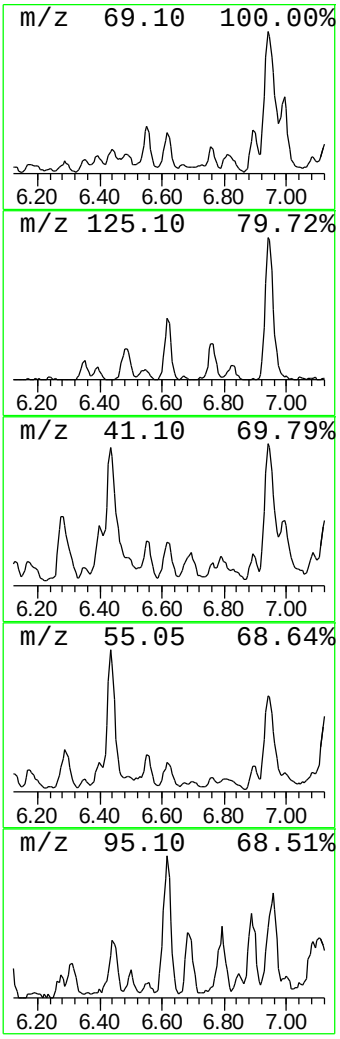
Peak Number 10 (DEL) Alkane: Cyclic6.62 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	5.76 ng/ul	287285	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	52
2	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	25
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	22





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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

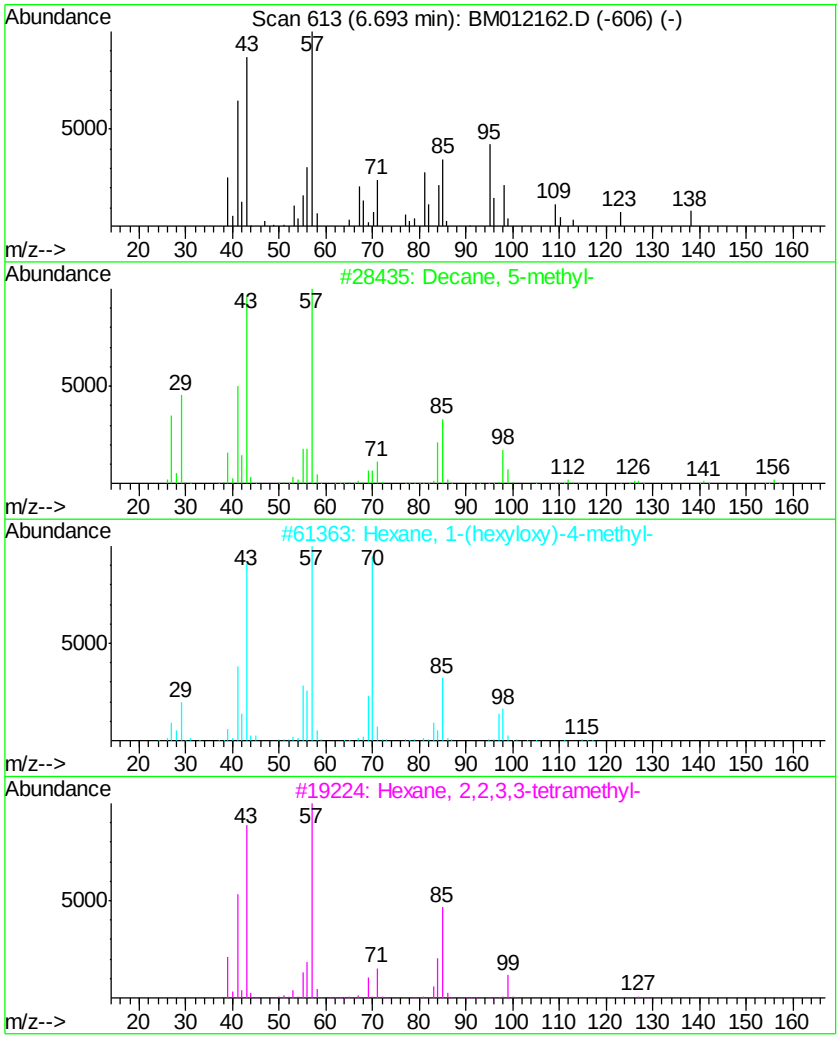
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

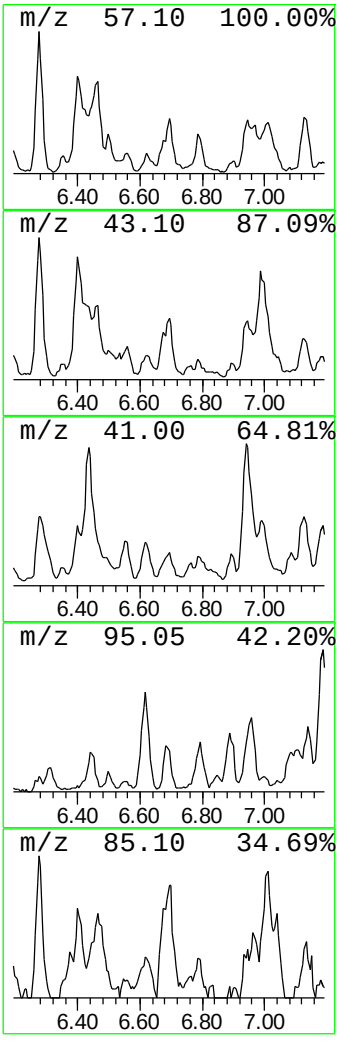
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	3.46 ng/ul	172407	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	38
2	Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	35
3	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	27
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	27
5	Heptane, 4-ethyl-	128	C9H20	002216-32-2	27





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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

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Quant Title : SVOA CALIBRATION

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

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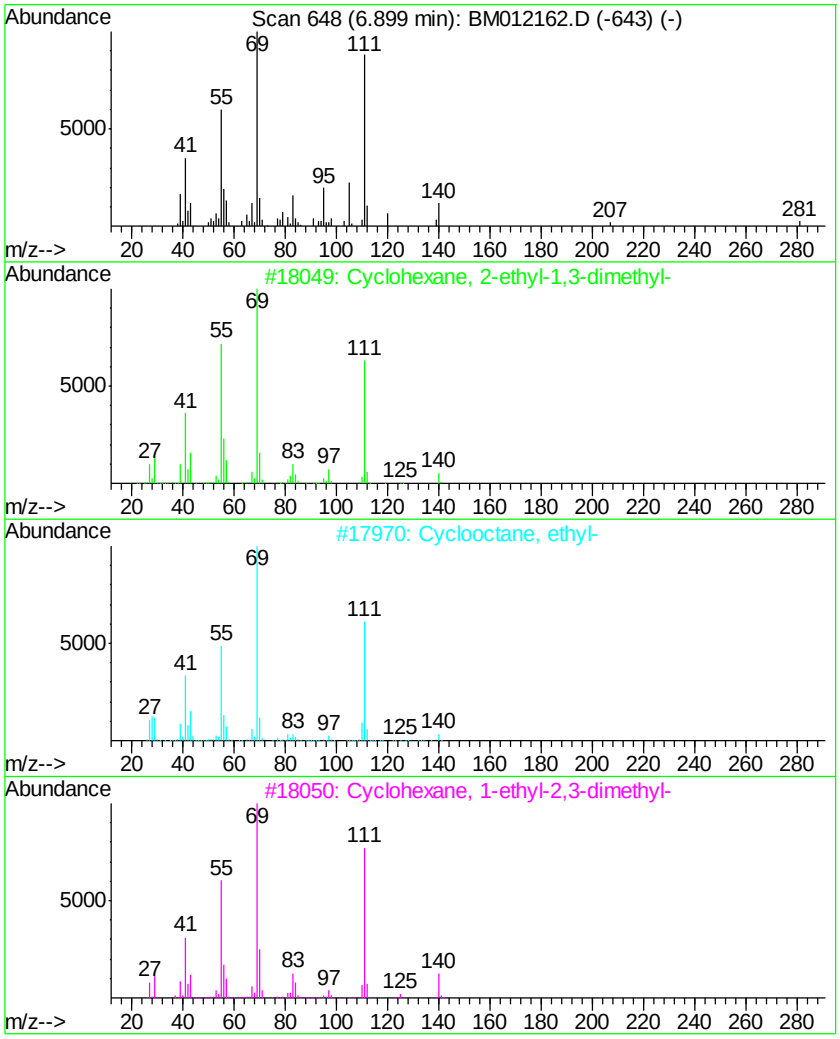
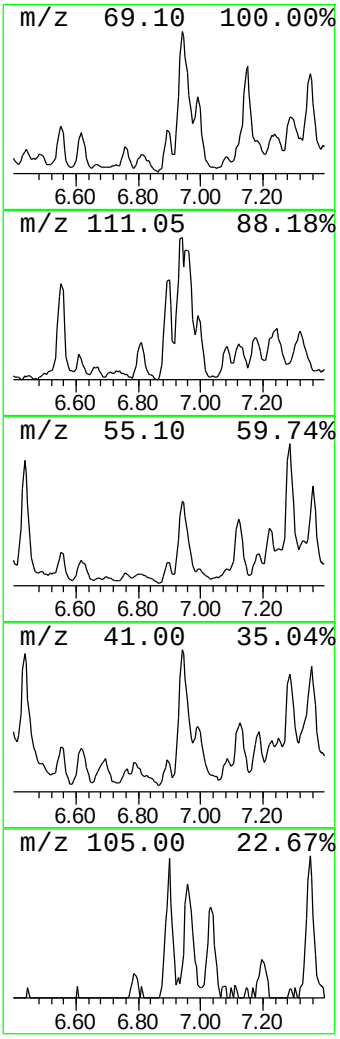
Peak Number 12 (DEL) Alkane: Cyclic6.90 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	3.40 ng/ul	169824	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	81
2	Cyclooctane, ethyl-	140	C10H20	013152-02-8	68
3	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	64
4	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	59
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	59





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Instrument :
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ClientSampleId :
B-42(7-9)-100217

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Quant Title : SVOA CALIBRATION

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

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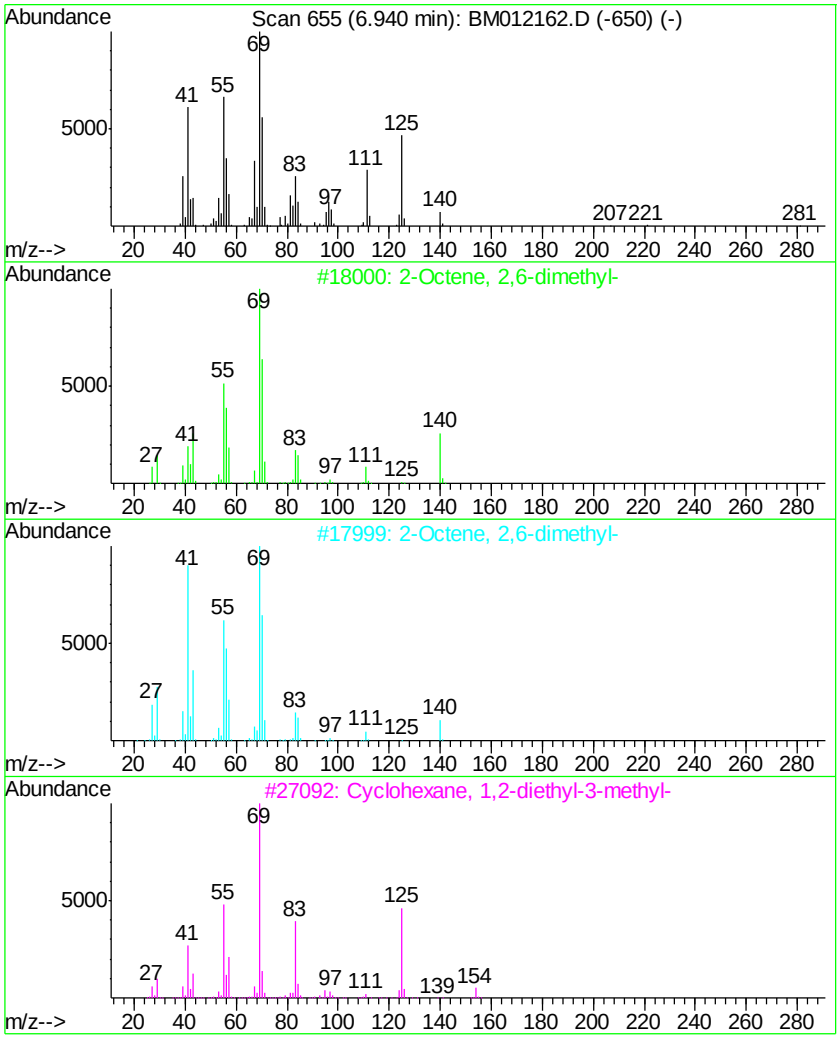
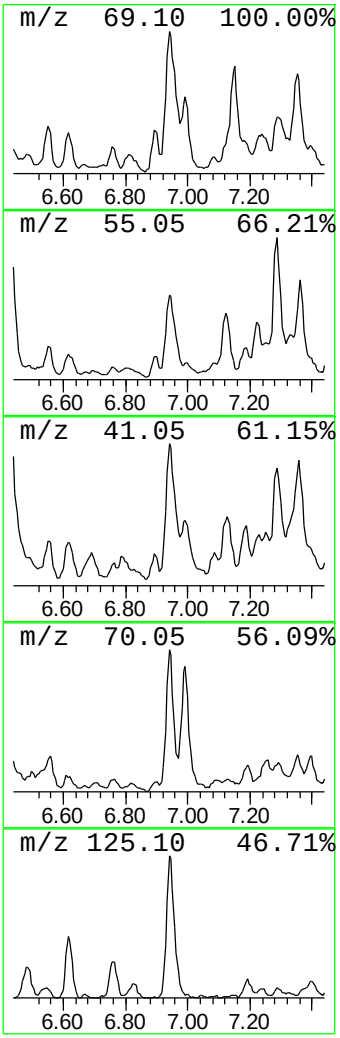
Peak Number 13 (DEL) Alkane: Cyclic6.94 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	19.09 ng/ul	952516	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
3	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	47
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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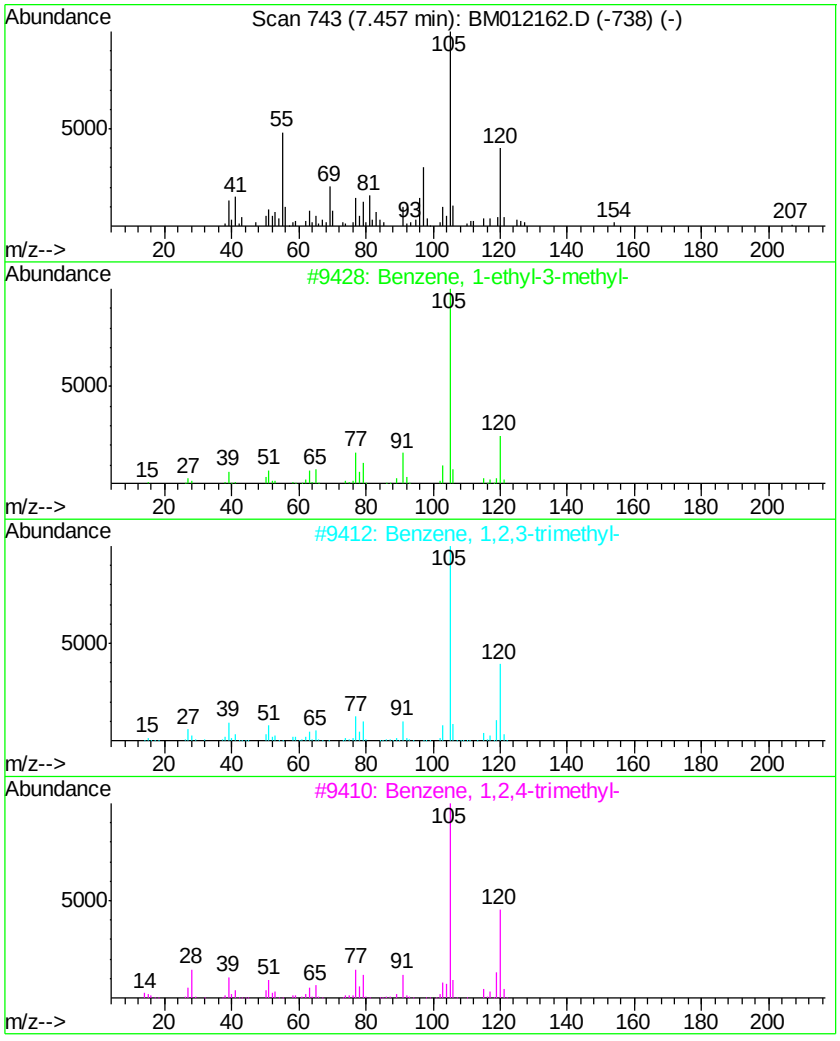
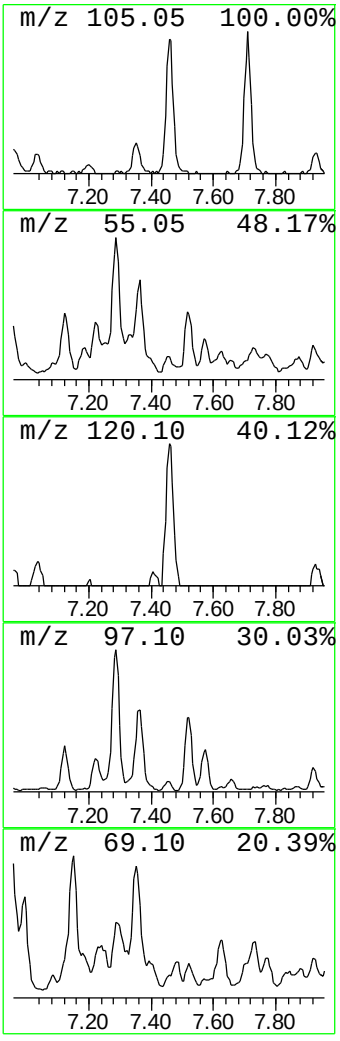
Peak Number 15 Benzene, 1-ethyl-3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	4.38 ng/ul	218565	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	92
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	86
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76





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Quant Title : SVOA CALIBRATION

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

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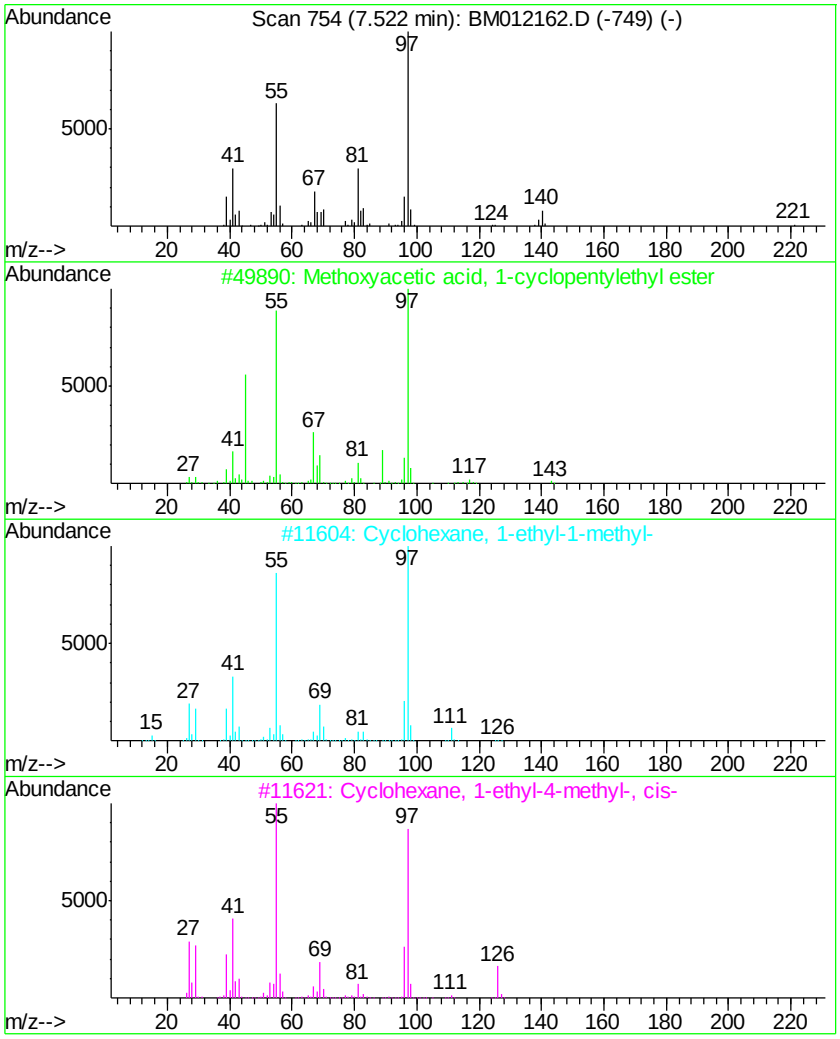
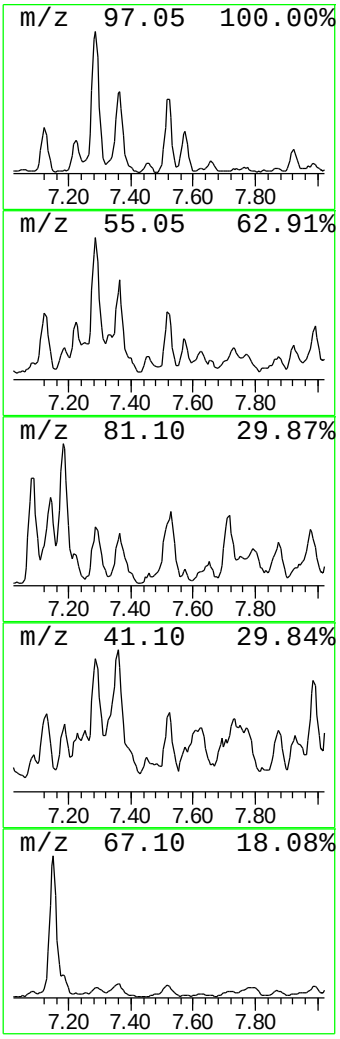
Peak Number 16 Methoxyacetic acid, 1-cyclo... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	7.02 ng/ul	350311	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methoxyacetic acid, 1-cyclopenty...	186	C10H18O3	1000282-69-5	64
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	59





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Quant Title : SVOA CALIBRATION

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

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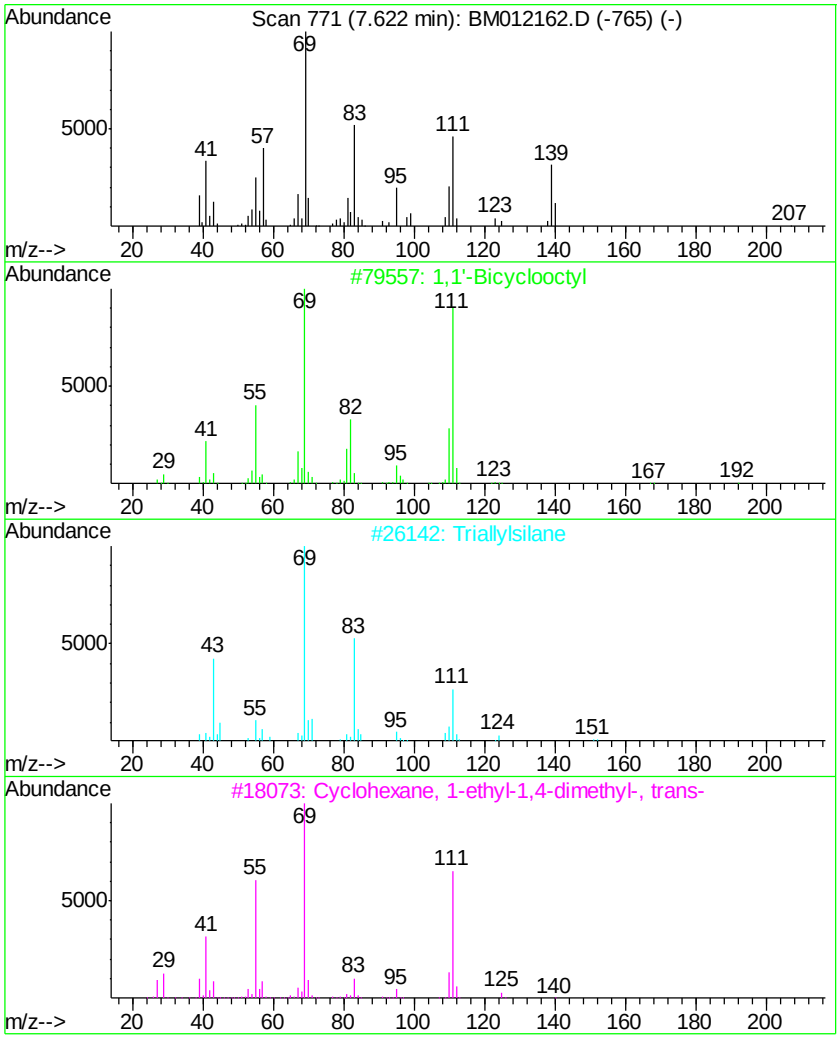
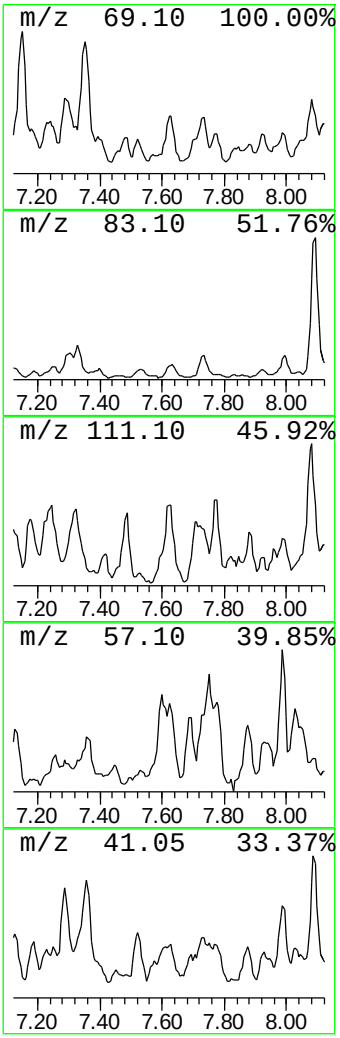
Peak Number 17 1,1'-Bicyclooctyl Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	4.71 ng/ul	235267	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	50
2	Triallylsilane	152	C9H16Si	001116-62-7	47
3	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	47
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	43





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Sample : I5649-12
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ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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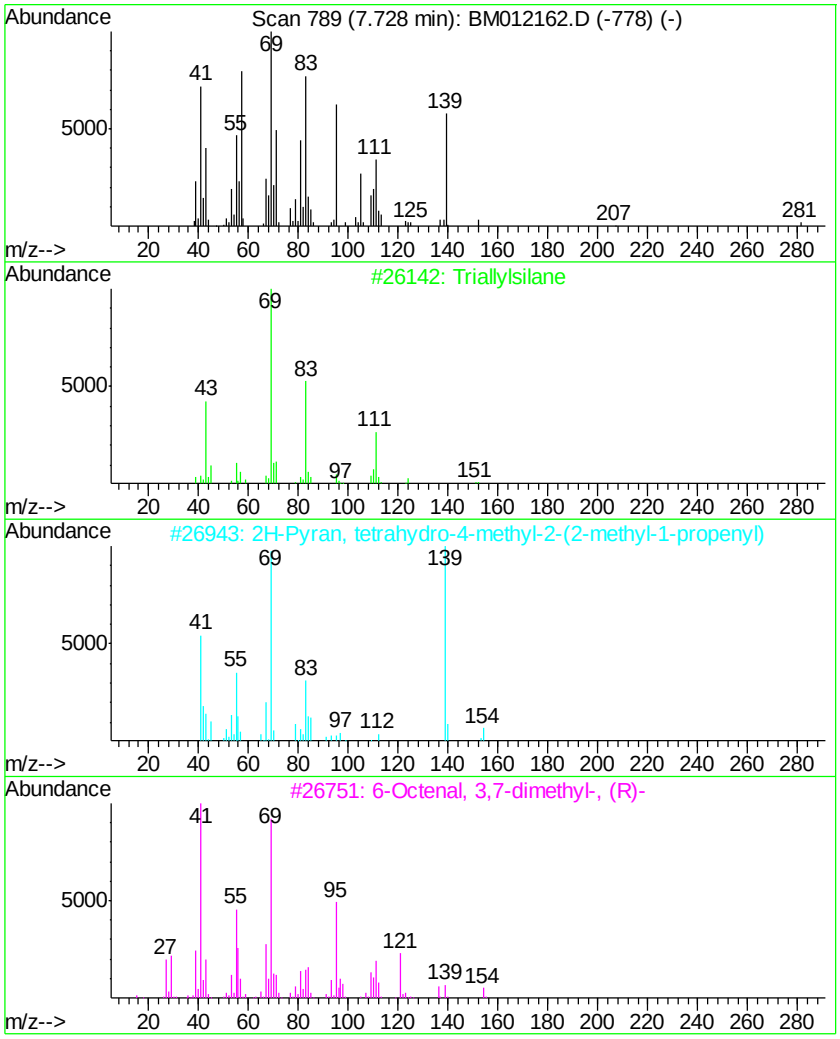
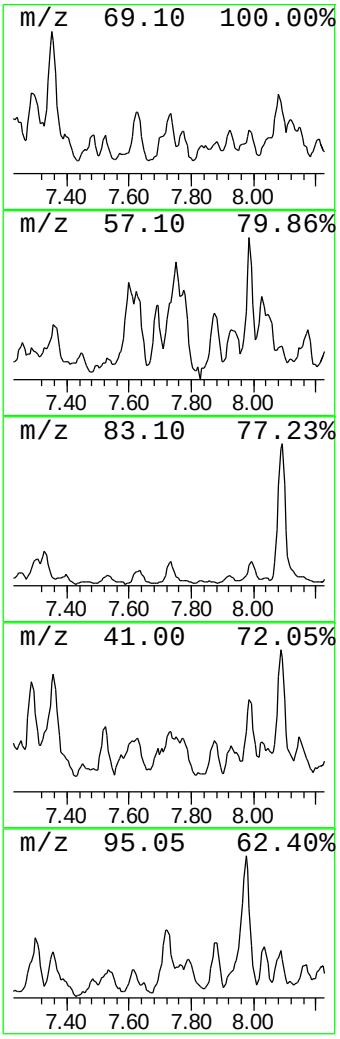
Peak Number 18 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	11.70 ng/ul	583851	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triallylsilane	152	C9H16Si	001116-62-7	47
2	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	27
3	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	27
4	2-Hydroxy-2-methyl-but-3-enyl 2-...	184	C10H16O3	080758-67-4	22
5	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	22





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Data File : BM012162.D
Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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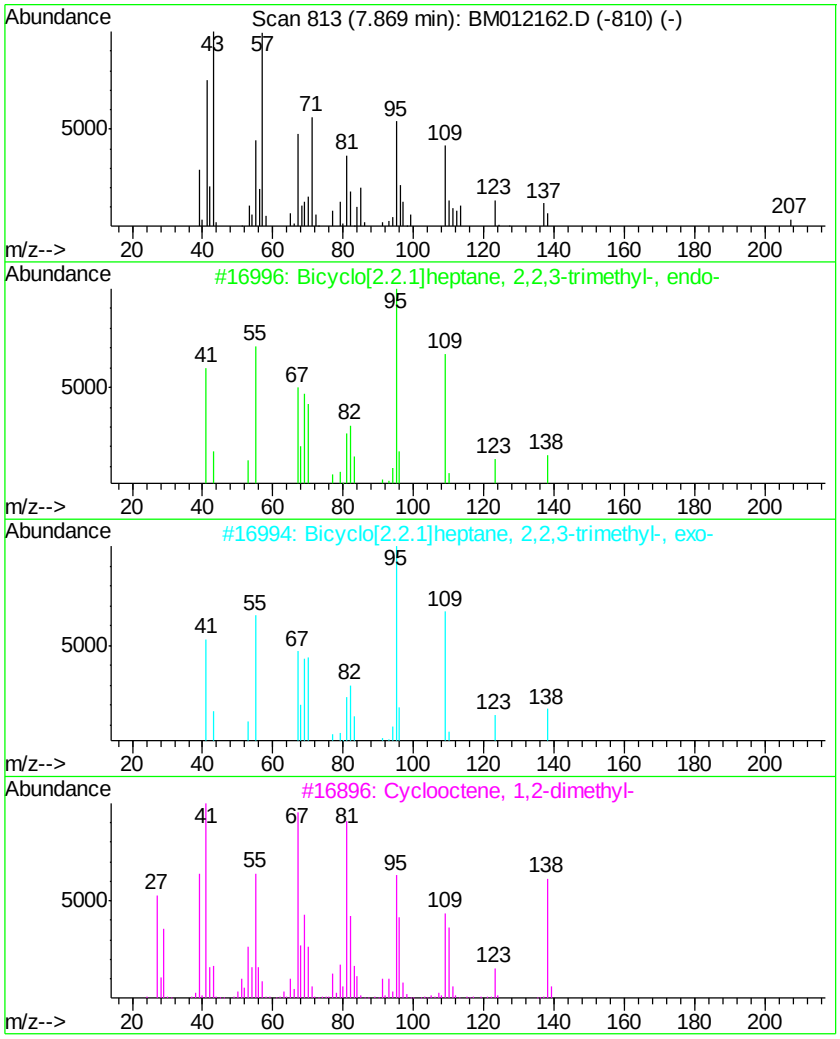
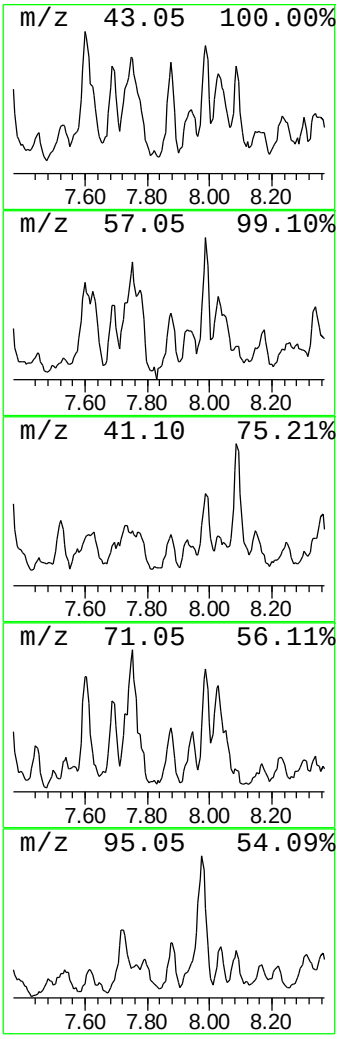
Peak Number 19 unknown-03 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	4.45 ng/ul	221853	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	45
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	43
3	Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	38
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	35
5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	30





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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-42(7-9)-100217

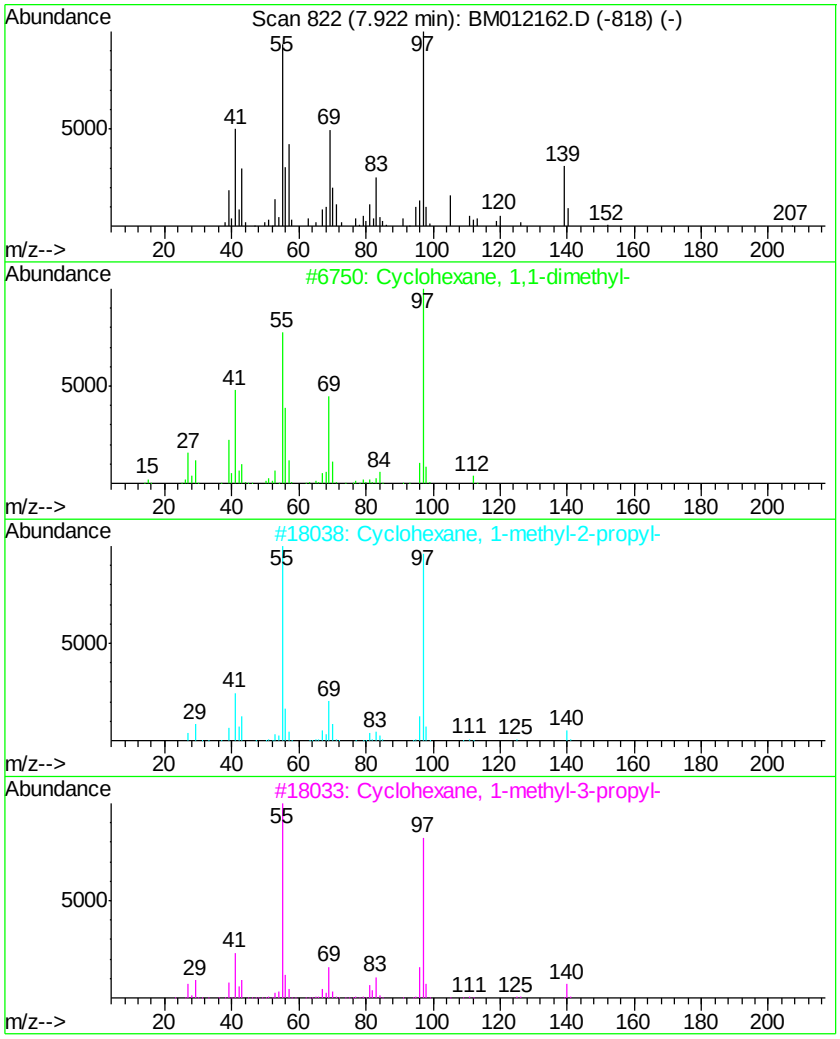
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

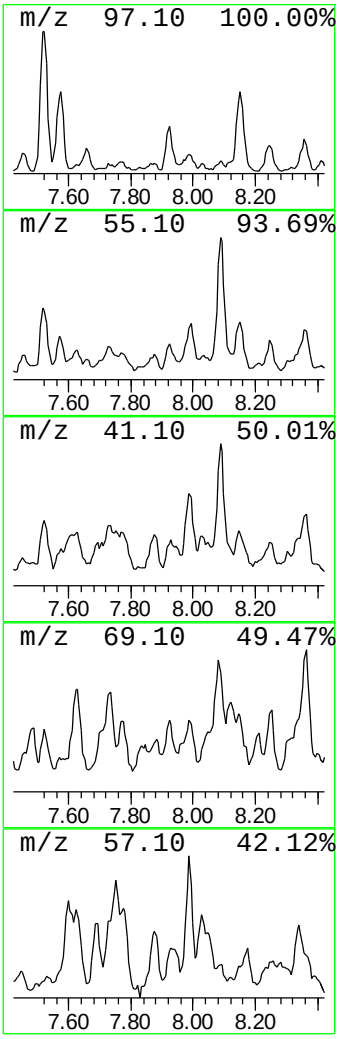
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic7.92 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	5.25 ng/ul	262148	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	52
3	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	52
4	Sulfurous acid, cyclohexylmethyl...	206	C9H18O3S	1000309-21-2	50
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49





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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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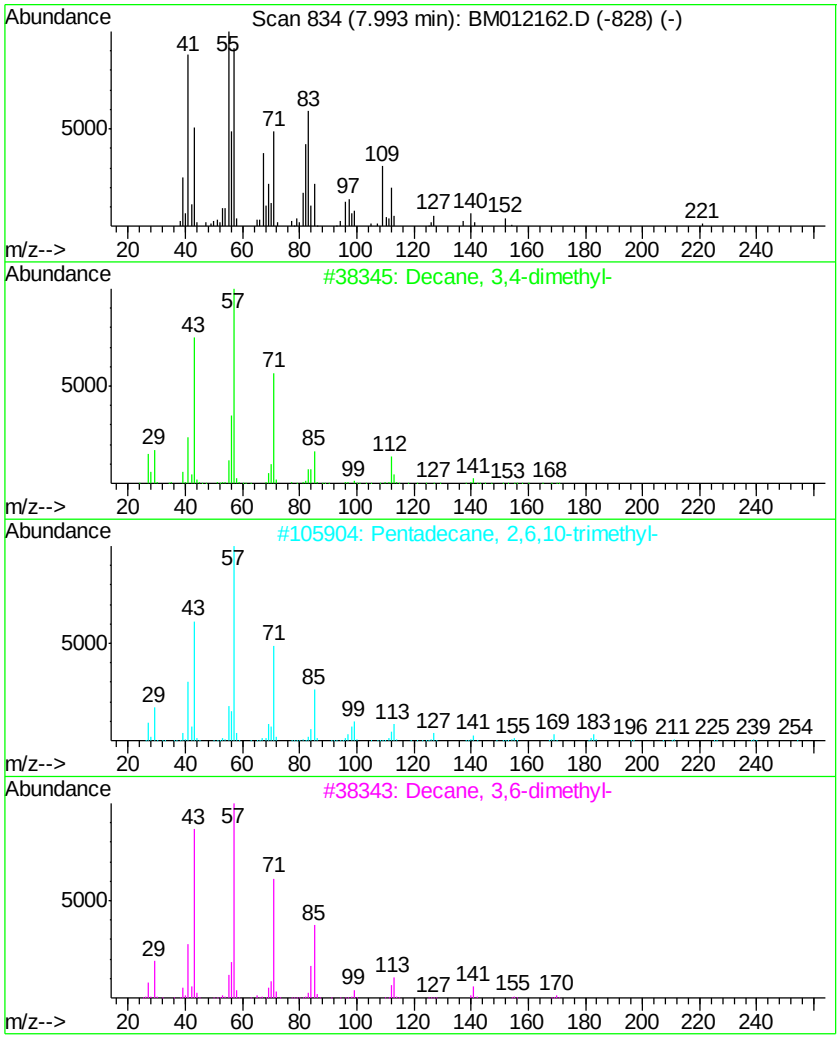
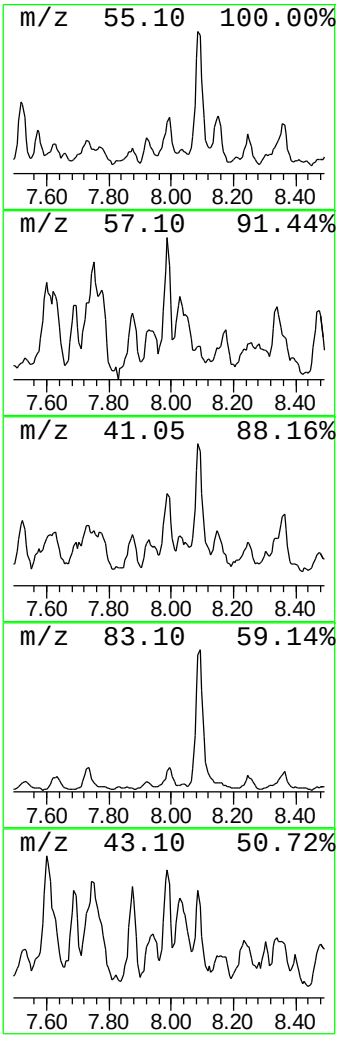
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	6.67 ng/ul	333037	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	43
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	35
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	35
4	Octane, 2-methyl-	128	C9H20	003221-61-2	35
5	Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	35





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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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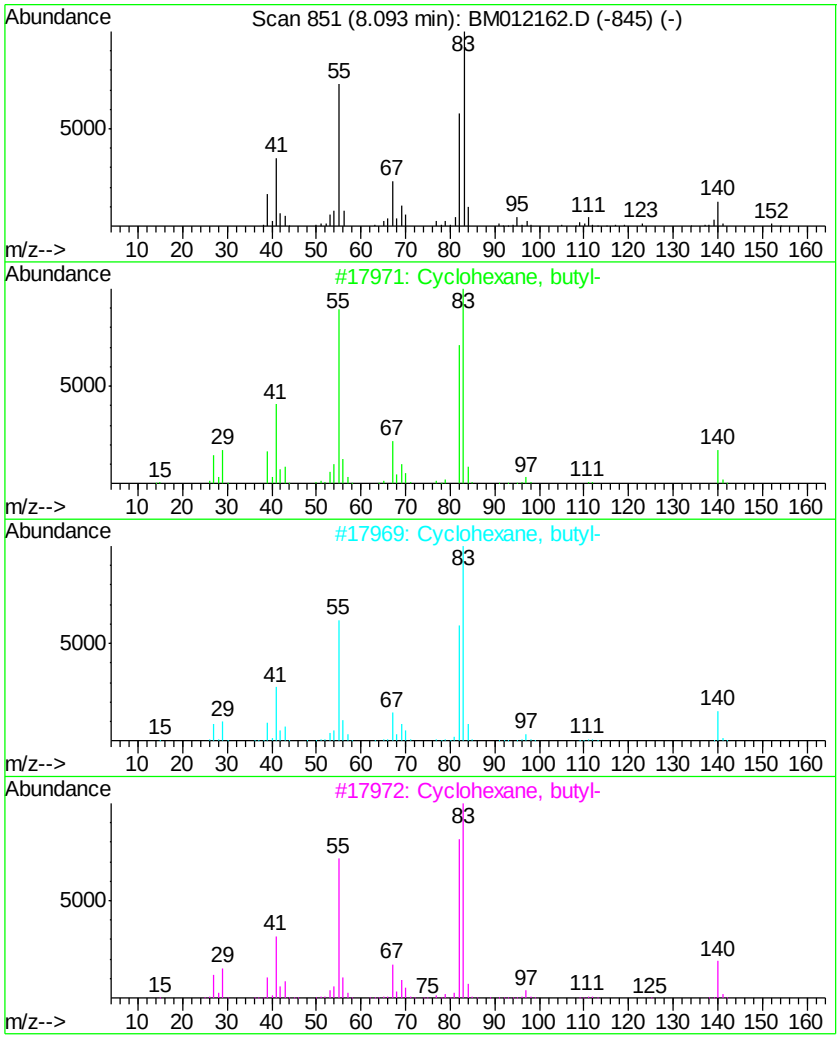
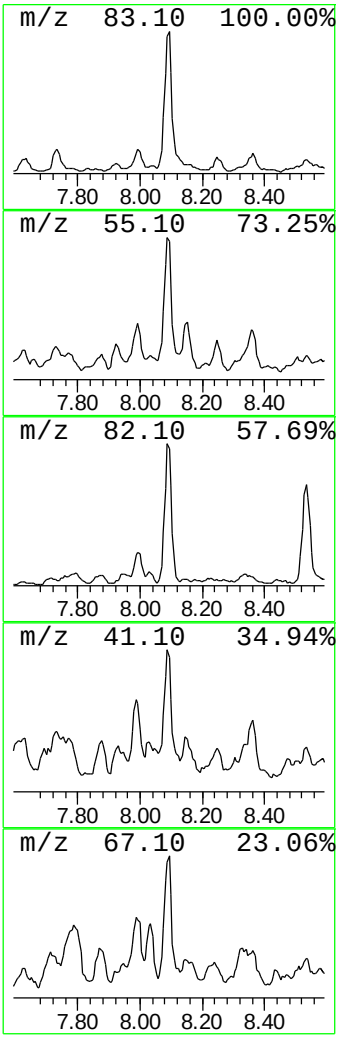
Peak Number 22 (DEL) Alkane: Cyclic8.09 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	13.35 ng/ul	666166	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	80





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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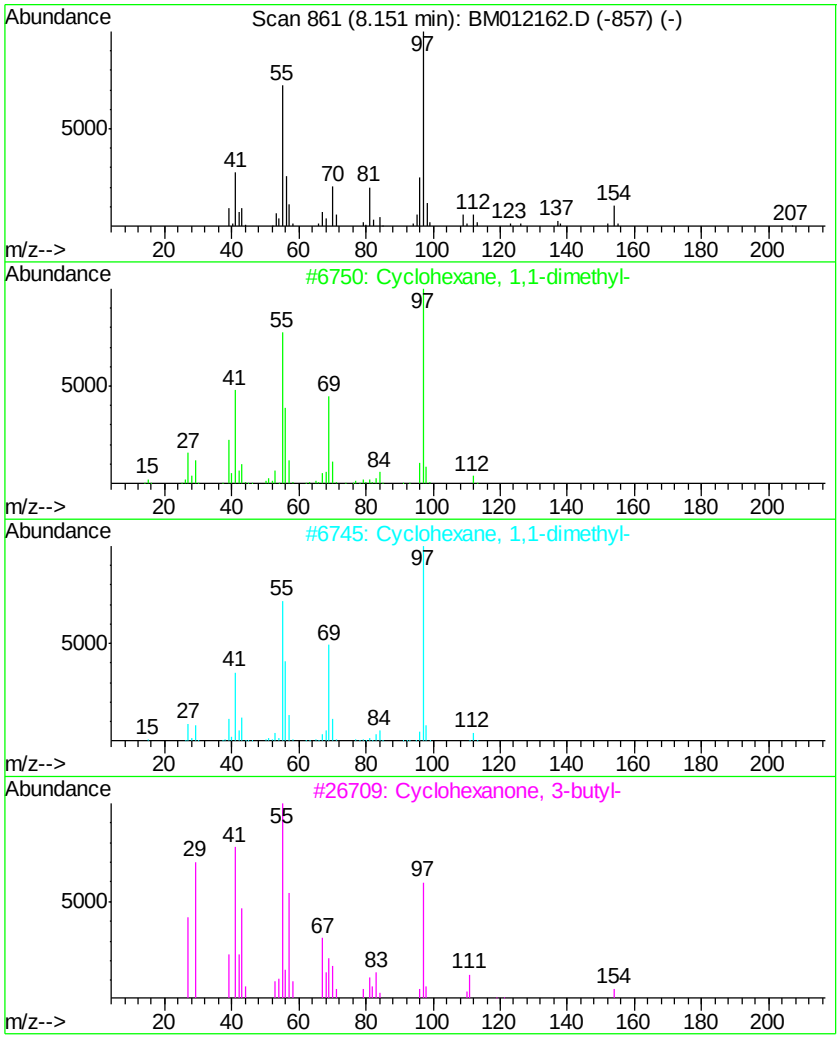
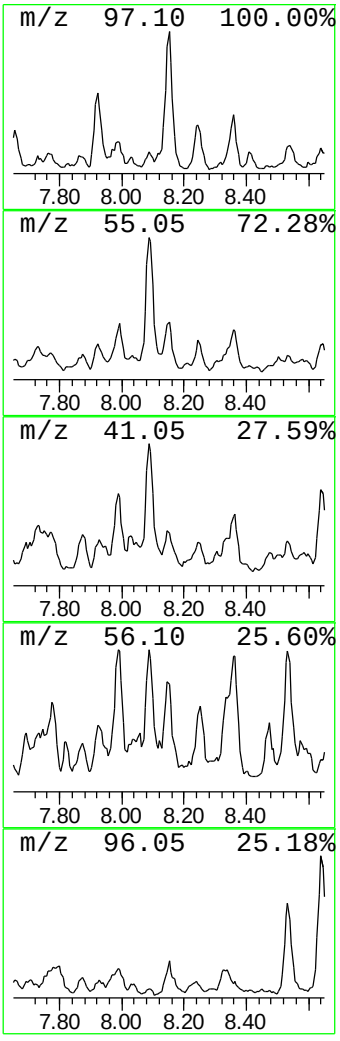
Peak Number 23 (DEL) Alkane: Cyclic8.15 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	4.45 ng/ul	222172	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
3	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	53
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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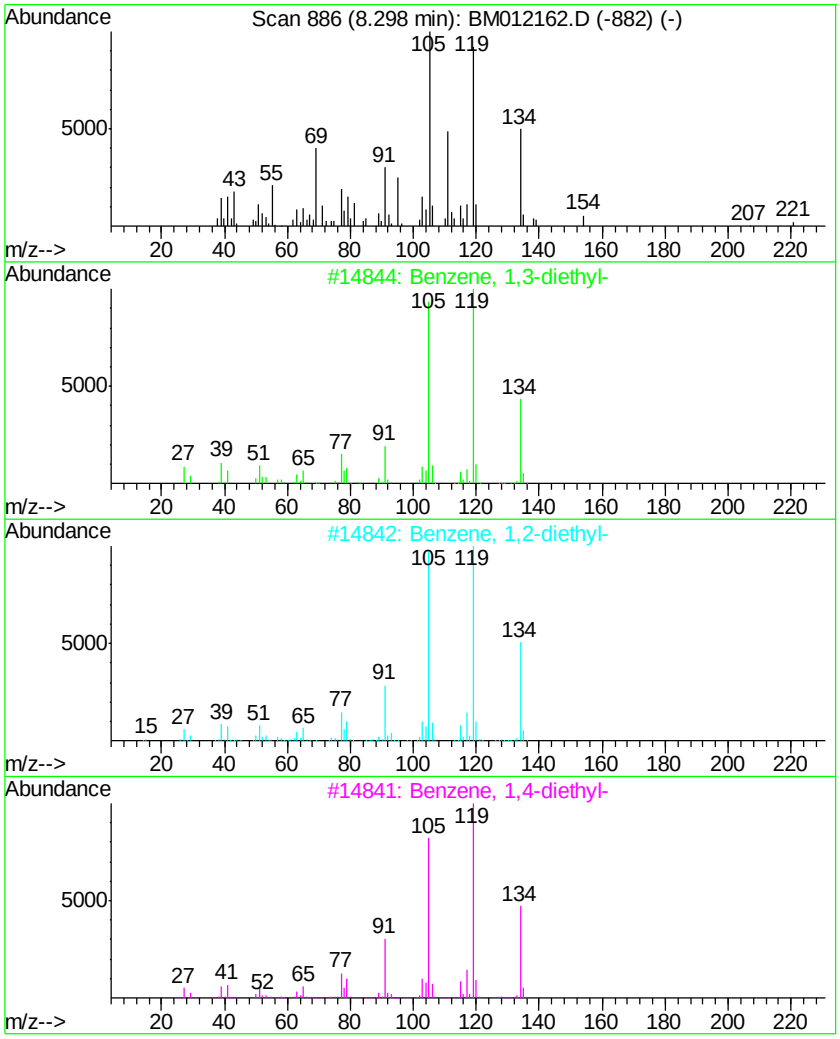
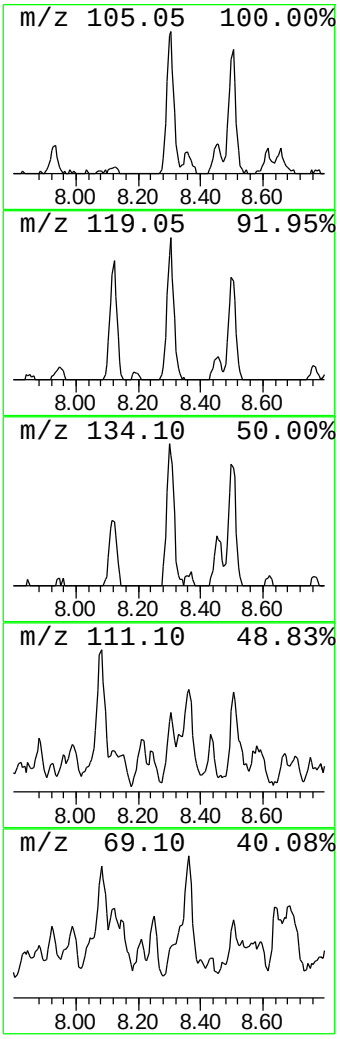
Peak Number 24 Benzene, 1,3-diethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	3.89 ng/ul	194231	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	86
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	78





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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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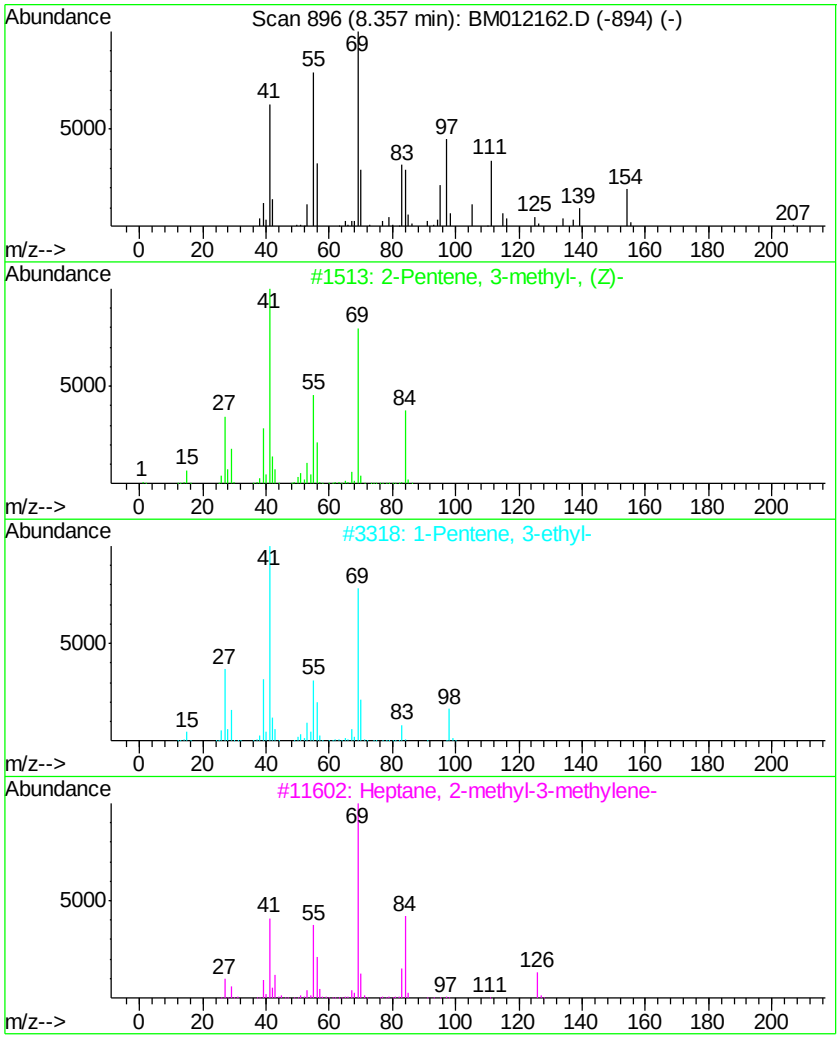
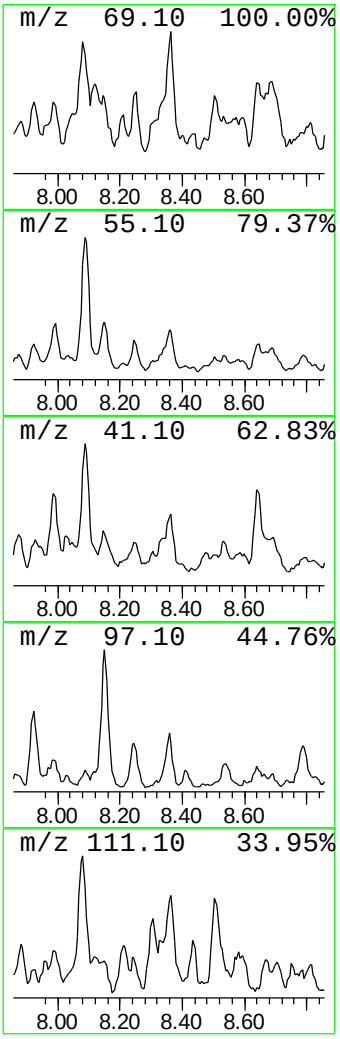
Peak Number 25 (DEL) Alkane: Cyclic7.05 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	7.05 ng/ul	351639	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	50
2	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43
3	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	43
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	43
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43





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Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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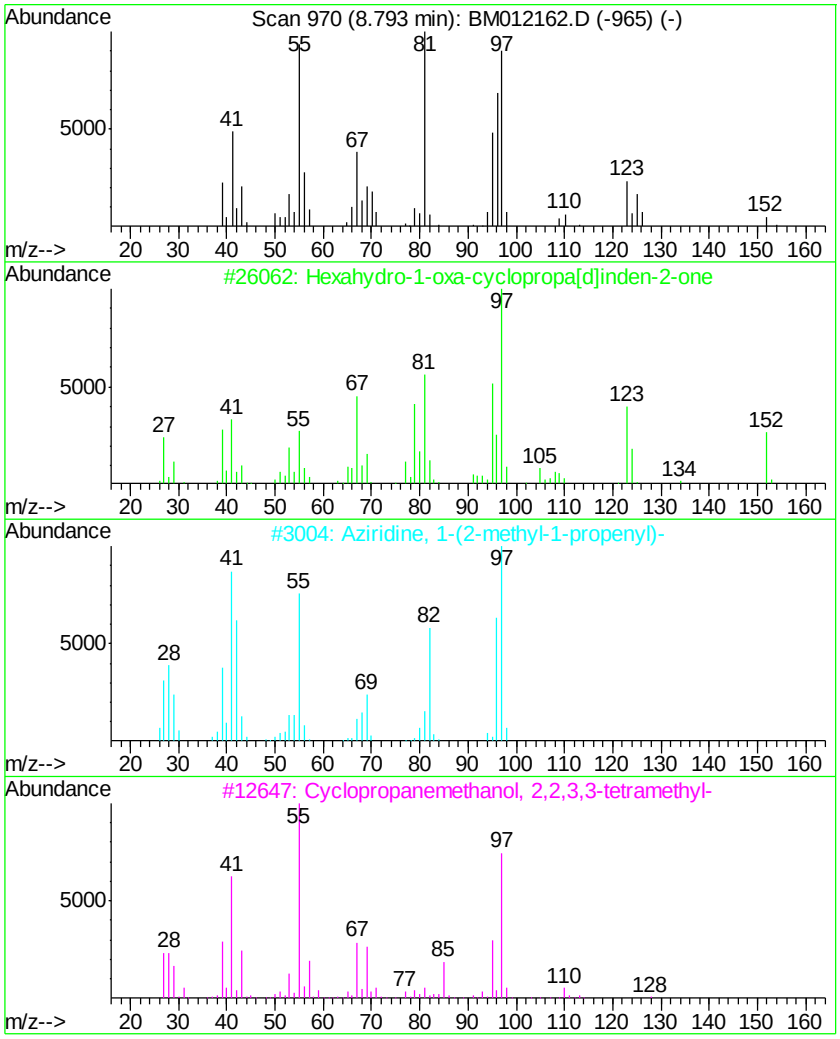
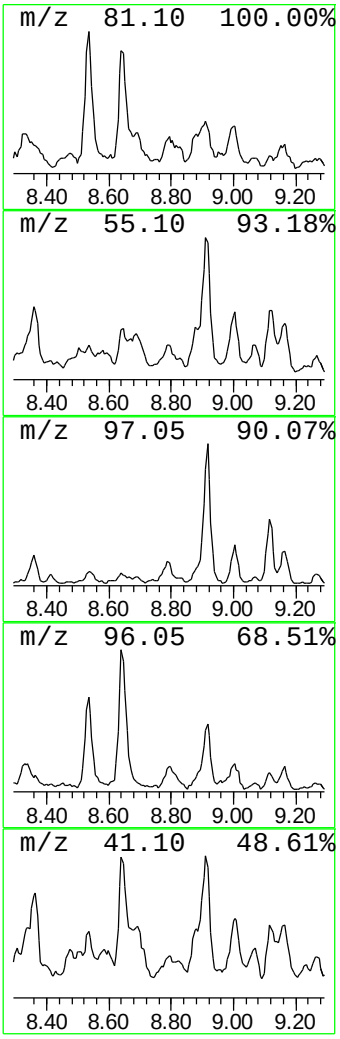
Peak Number 26 unknown-04 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	3.58 ng/ul	178434	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexahydro-1-oxa-cyclopropa[d]ind...	152	C9H12O2	037643-23-5	46
2	Aziridine, 1-(2-methyl-1-propenyl)-	97	C6H11N	080839-93-6	41
3	Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	38
4	Formic acid, trans-4-methylcyclo...	142	C8H14O2	1000368-24-5	35
5	2-Methyl-1,5-heptadiene (c,t)	110	C8H14	006766-54-7	30





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

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Quant Title : SVOA CALIBRATION

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

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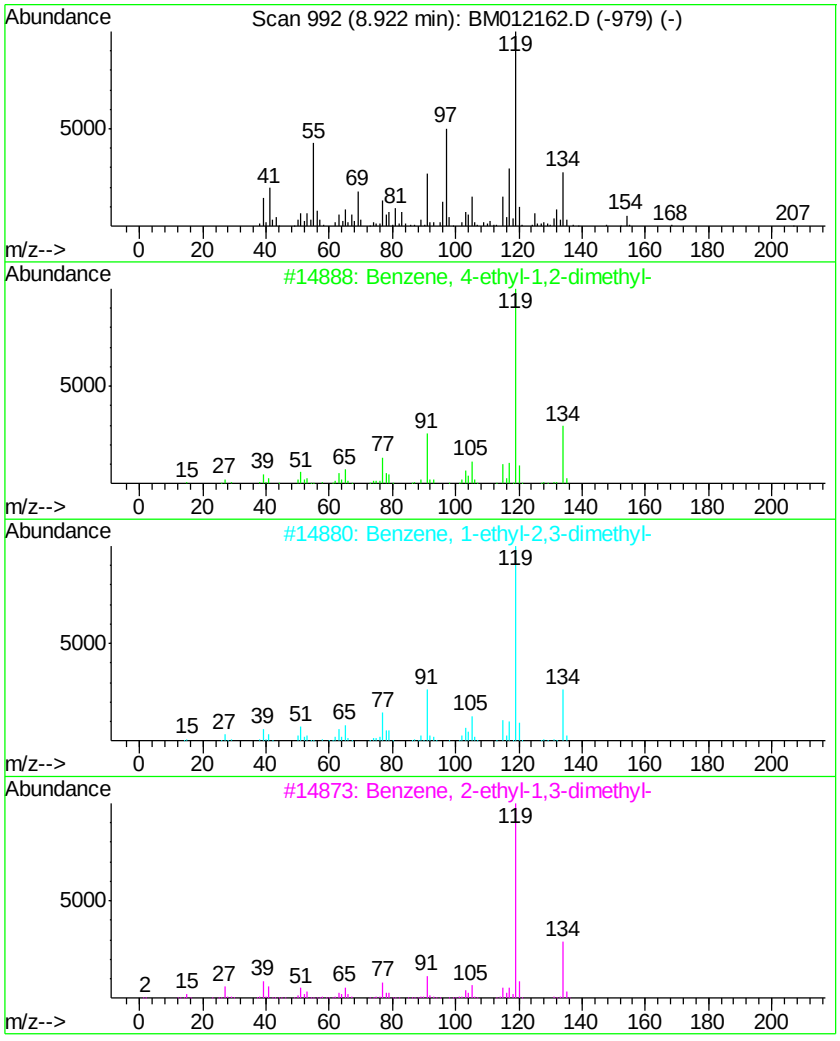
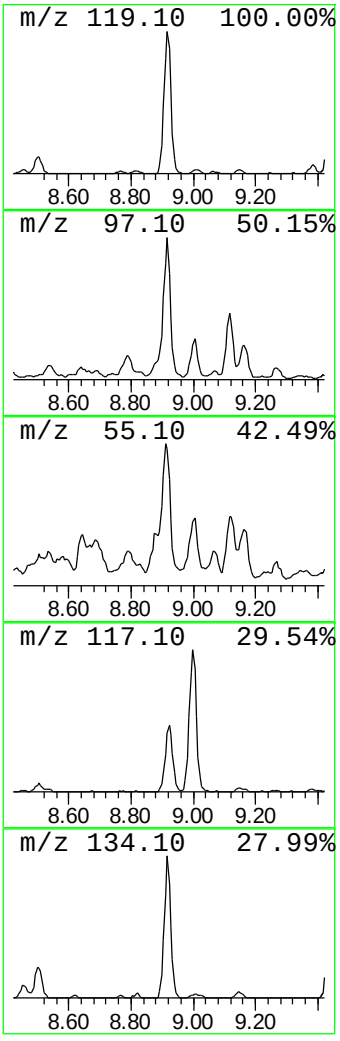
Peak Number 27 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	26.74 ng/ul	1334280	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
4	p-Cymene	134	C10H14	000099-87-6	64
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60





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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

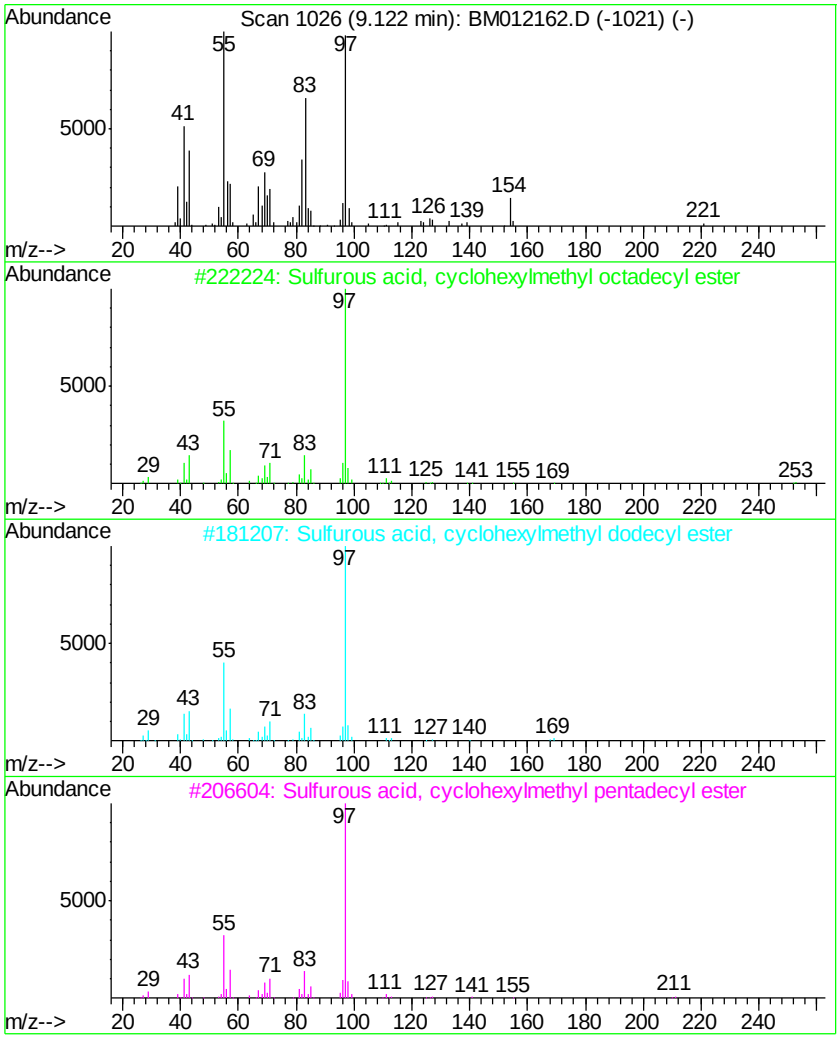
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

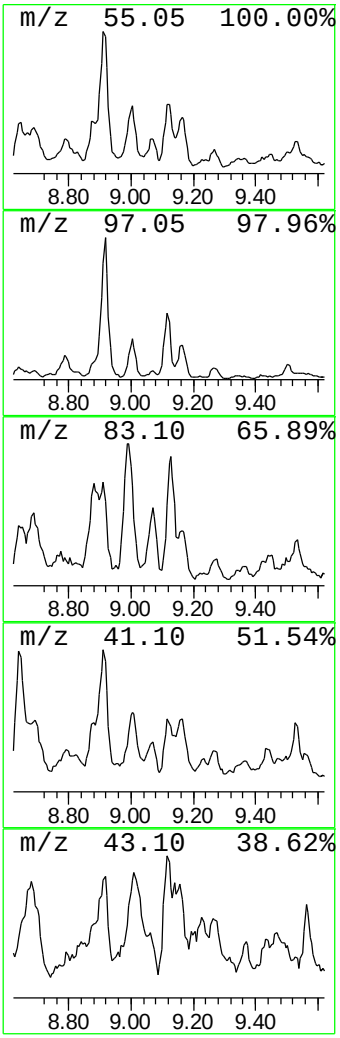
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Sulfurous acid, cyclohexylm... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	5.28 ng/ul	263479	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64
2	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	64
3	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	64
4	Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	53
5	Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	50





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Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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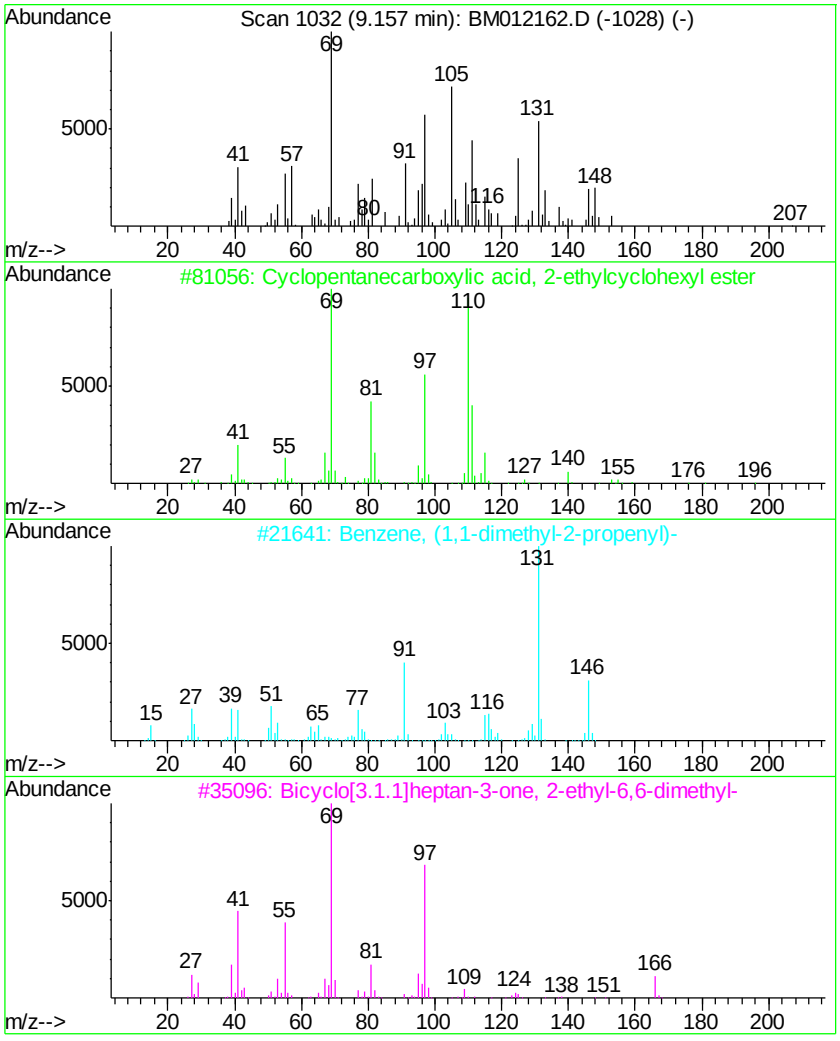
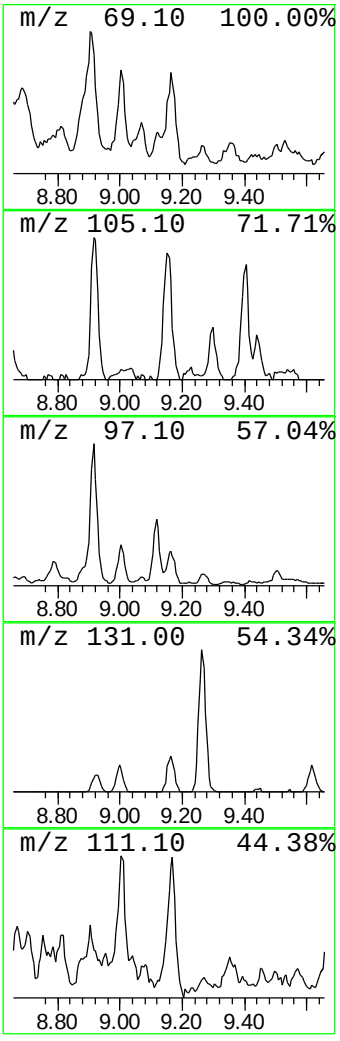
Peak Number 29 unknown-05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	9.52 ng/ul	475239	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanecarboxylic acid, 2-e...	224	C14H24O2	1000282-59-1	32
2	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	25
3	Bicyclo[3.1.1]heptan-3-one, 2-et...	166	C11H18O	1000163-95-8	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	15
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	15





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Data File : BM012162.D
Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

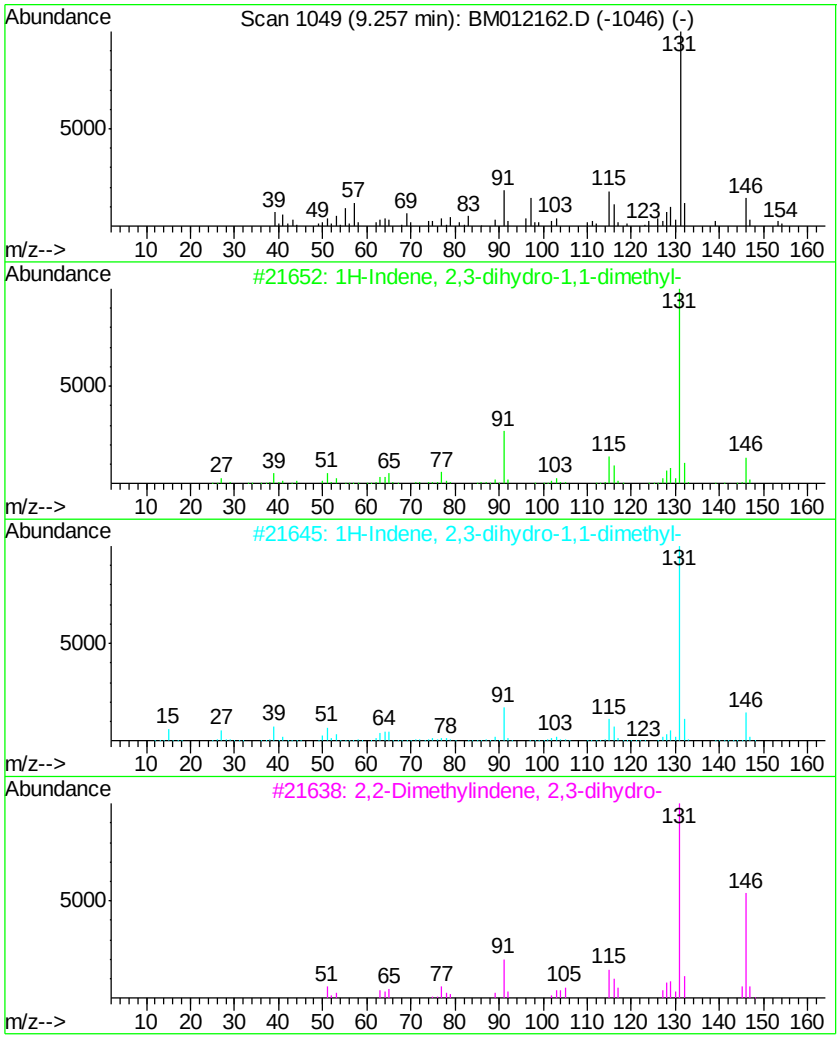
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

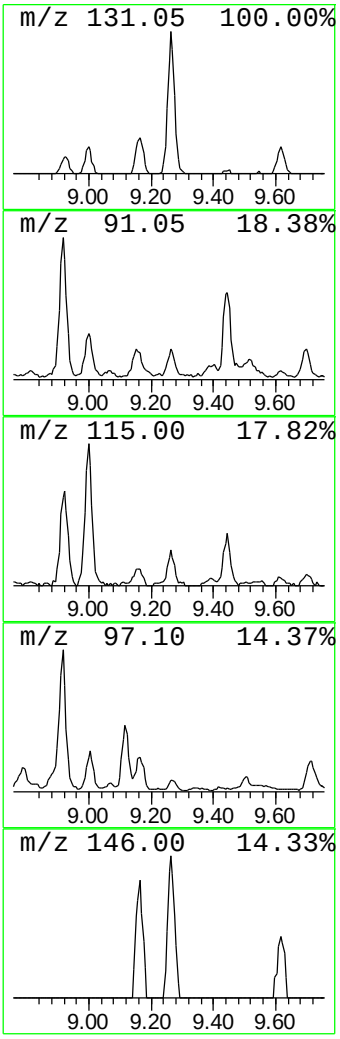
****

Peak Number 30 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	2.49 ng/ul	220381	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	87
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	78
5	Propanedinitrile, (2,3-dihydro-1...	196	C13H12N2	069564-96-1	72





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Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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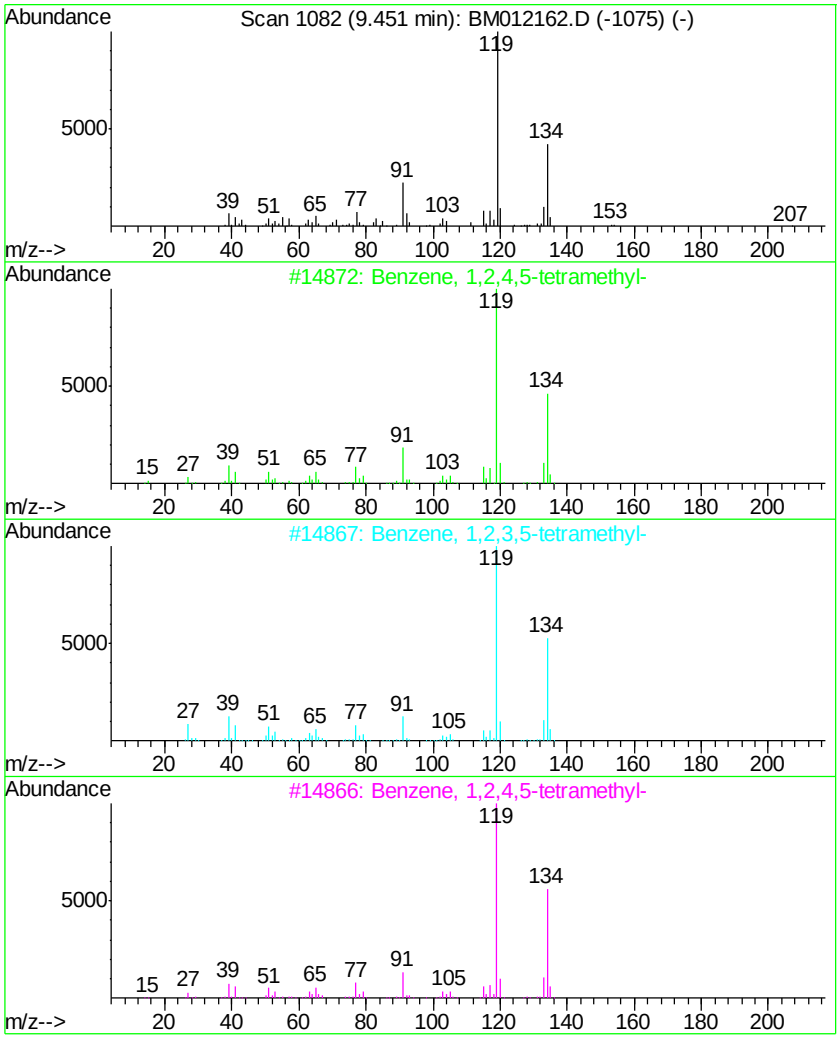
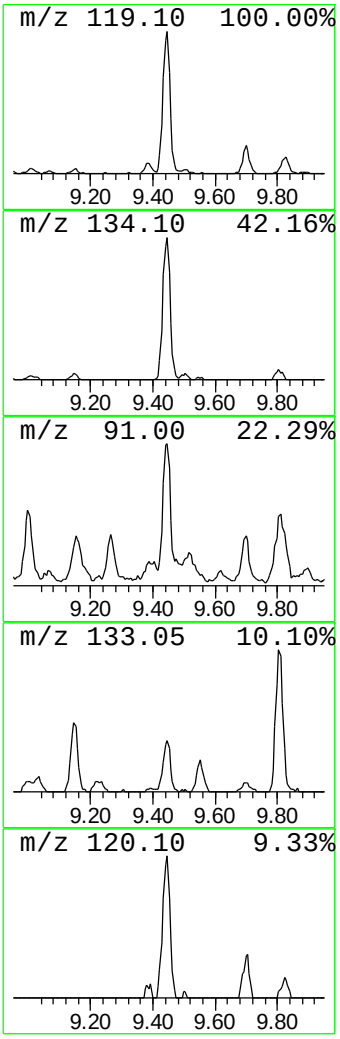
Peak Number 31 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	3.67 ng/ul	324209	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91





Library Search Compound Report

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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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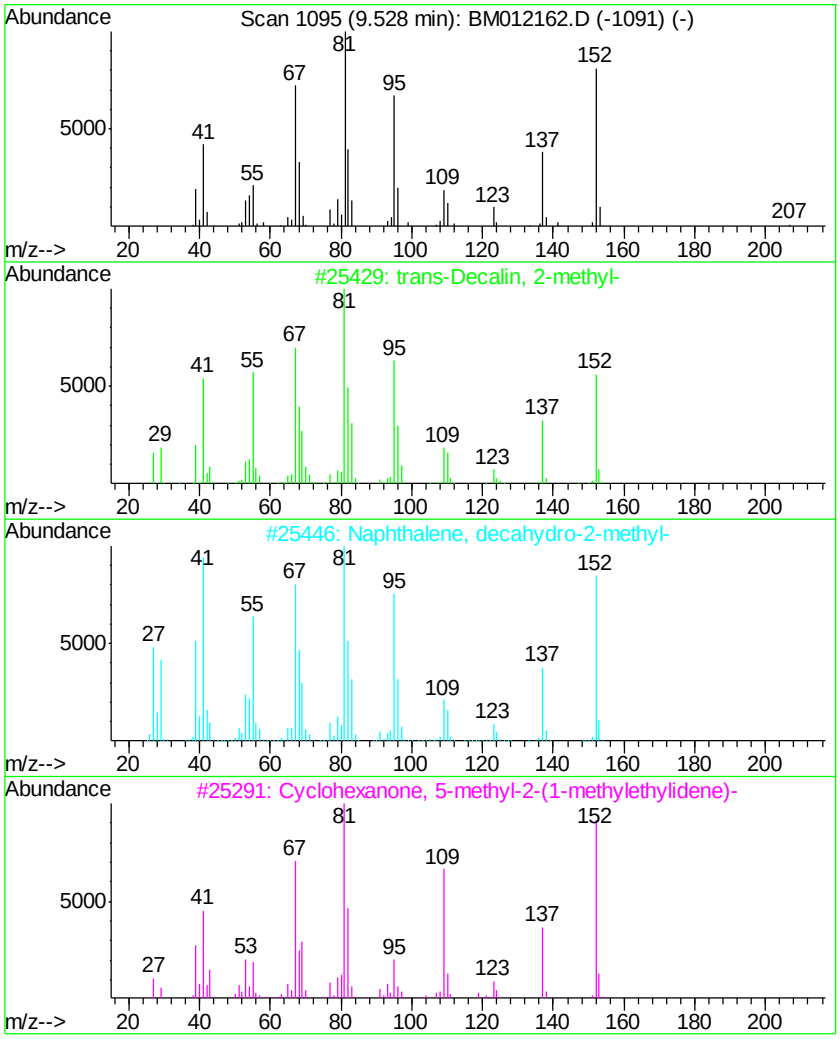
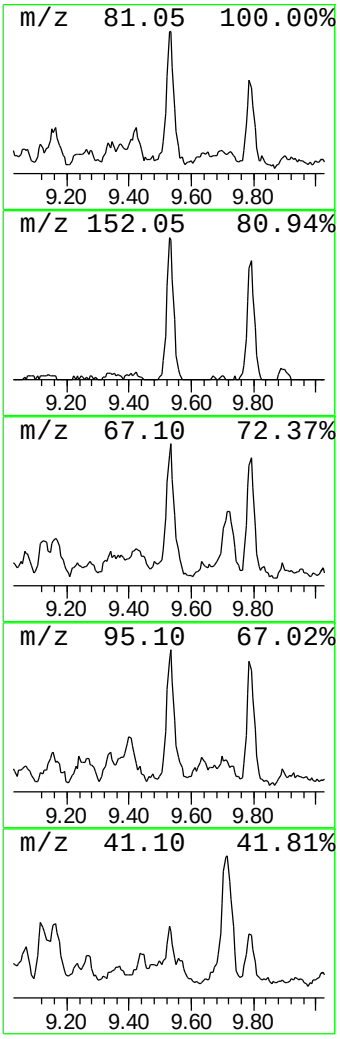
Peak Number 32 trans-Decalin, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	4.73 ng/ul	418399	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	91
4	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	90
5	Pulegone	152	C10H16O	000089-82-7	87





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Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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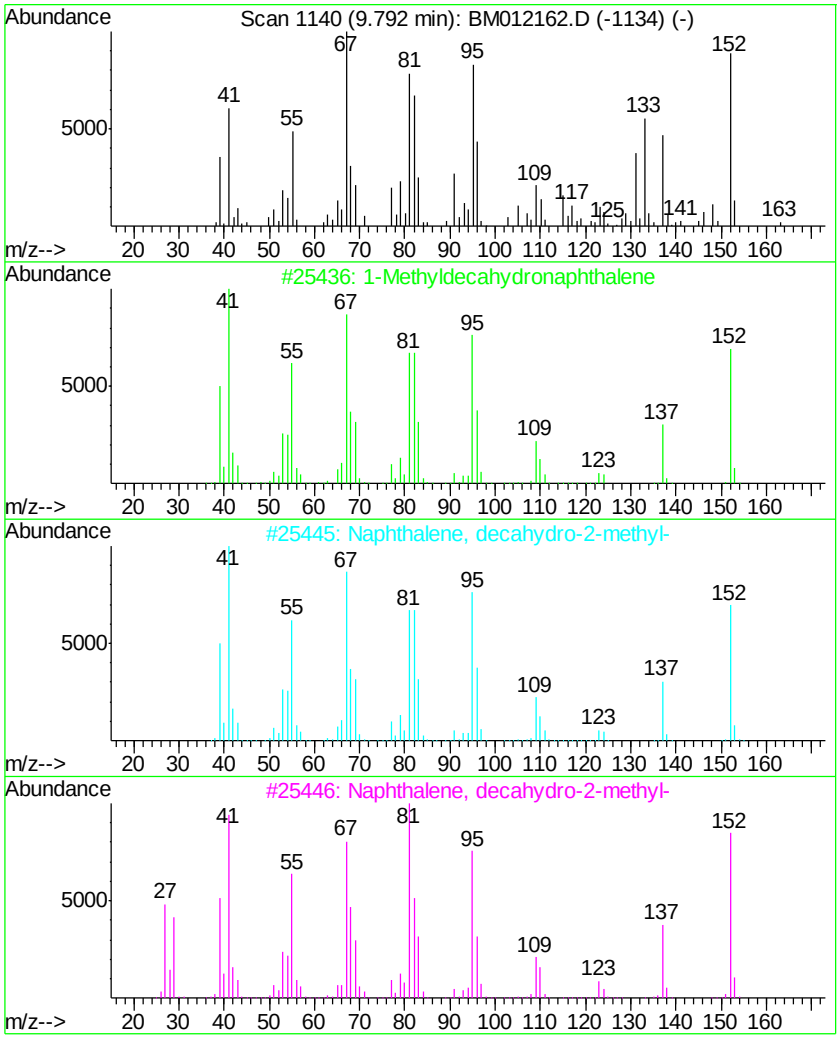
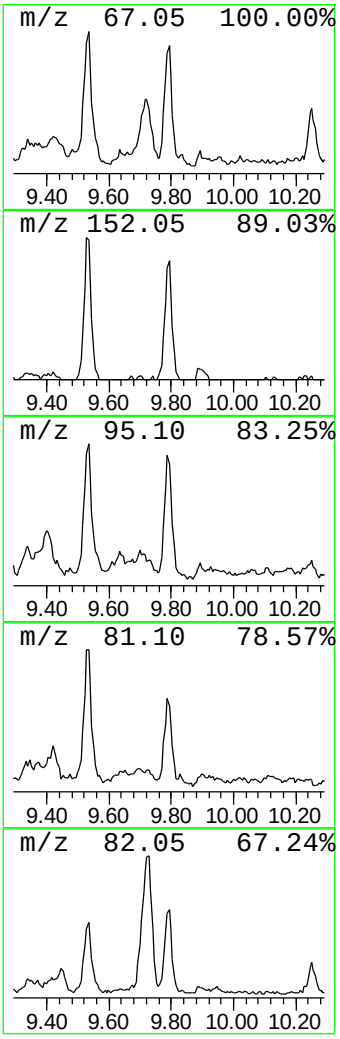
Peak Number 33 1-Methyldecahydronaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	5.98 ng/ul	528141	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	91
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012162.D
Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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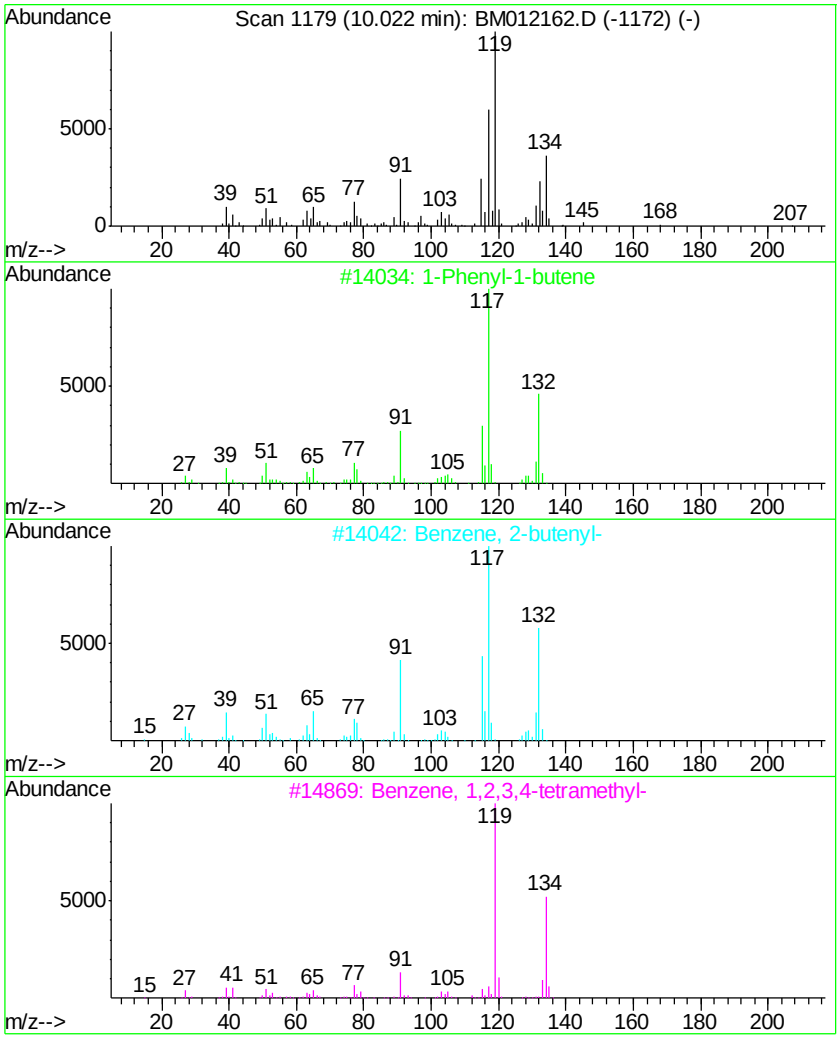
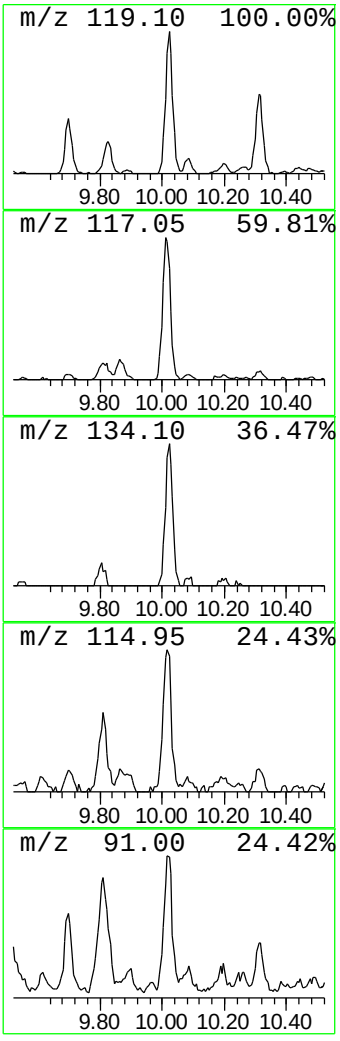
Peak Number 34 1-Phenyl-1-butene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	4.24 ng/ul	374495	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
4	o-Cymene	134	C10H14	000527-84-4	50
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50





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Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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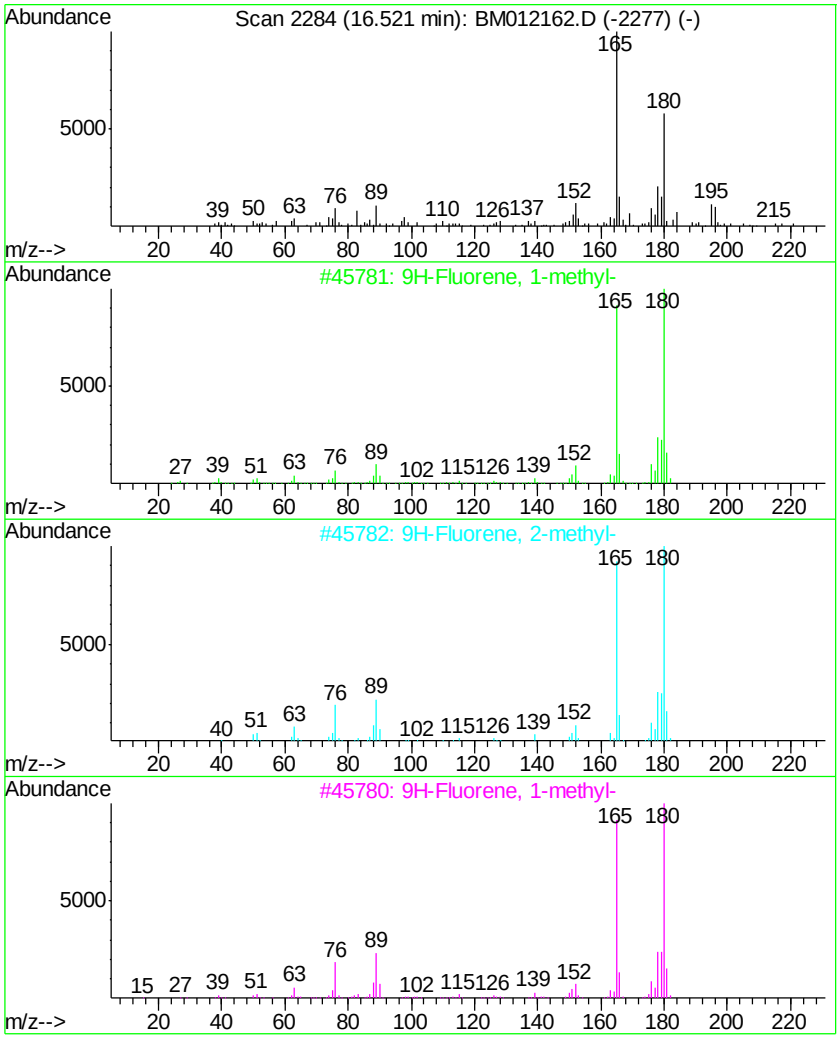
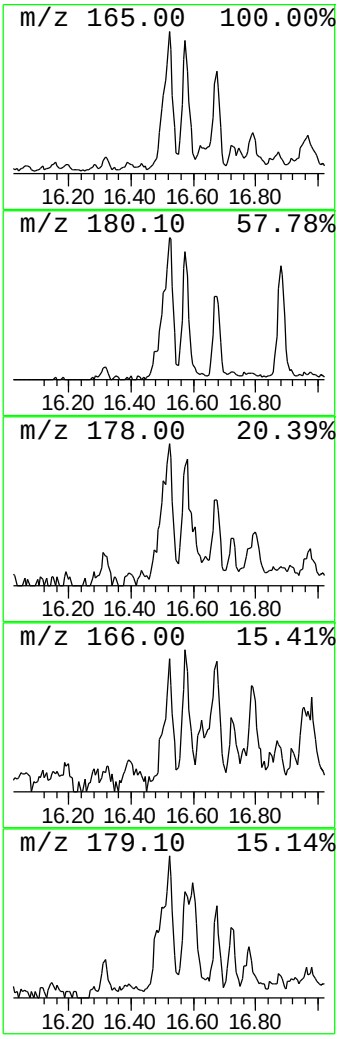
Peak Number 35 9H-Fluorene, 1-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	2.18 ng/ul	240399	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





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Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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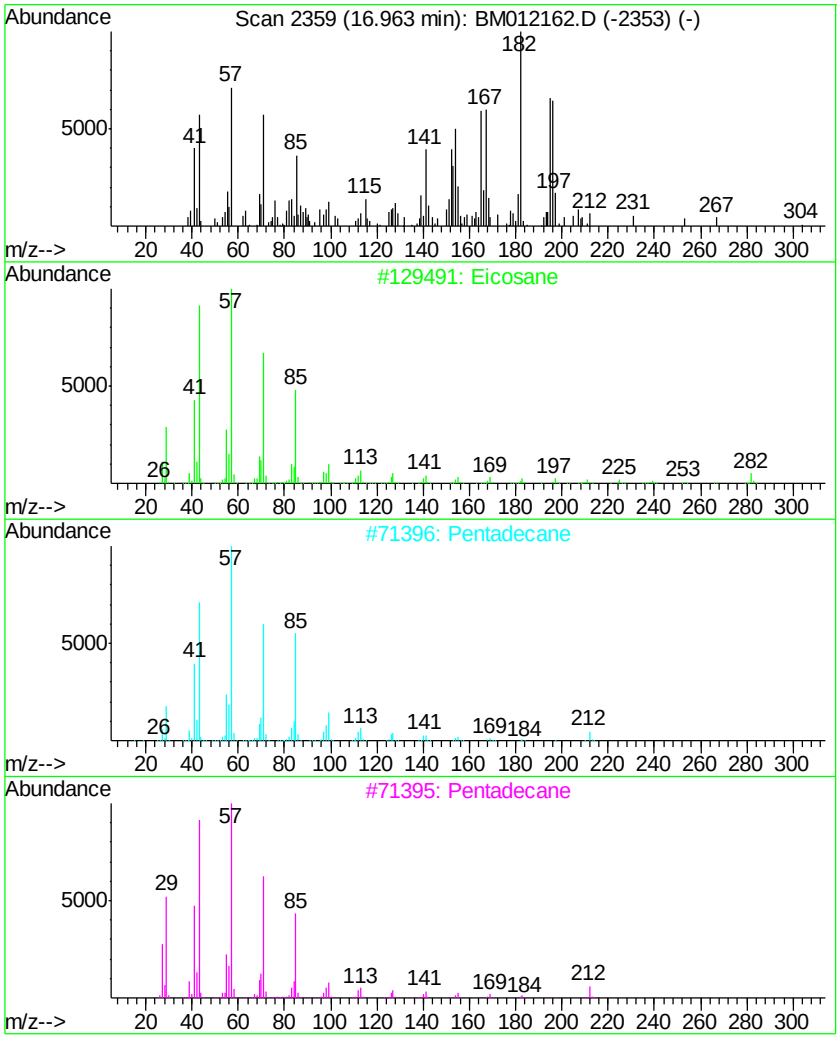
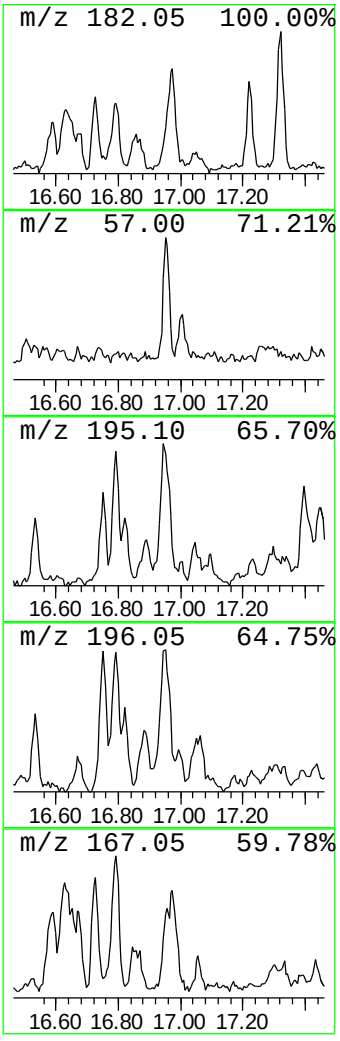
Peak Number 36 Eicosane Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.82 ng/ul	311942	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	92
2	Pentadecane	212	C15H32	000629-62-9	68
3	Pentadecane	212	C15H32	000629-62-9	43
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	35
5	Nonadecane	268	C19H40	000629-92-5	35





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Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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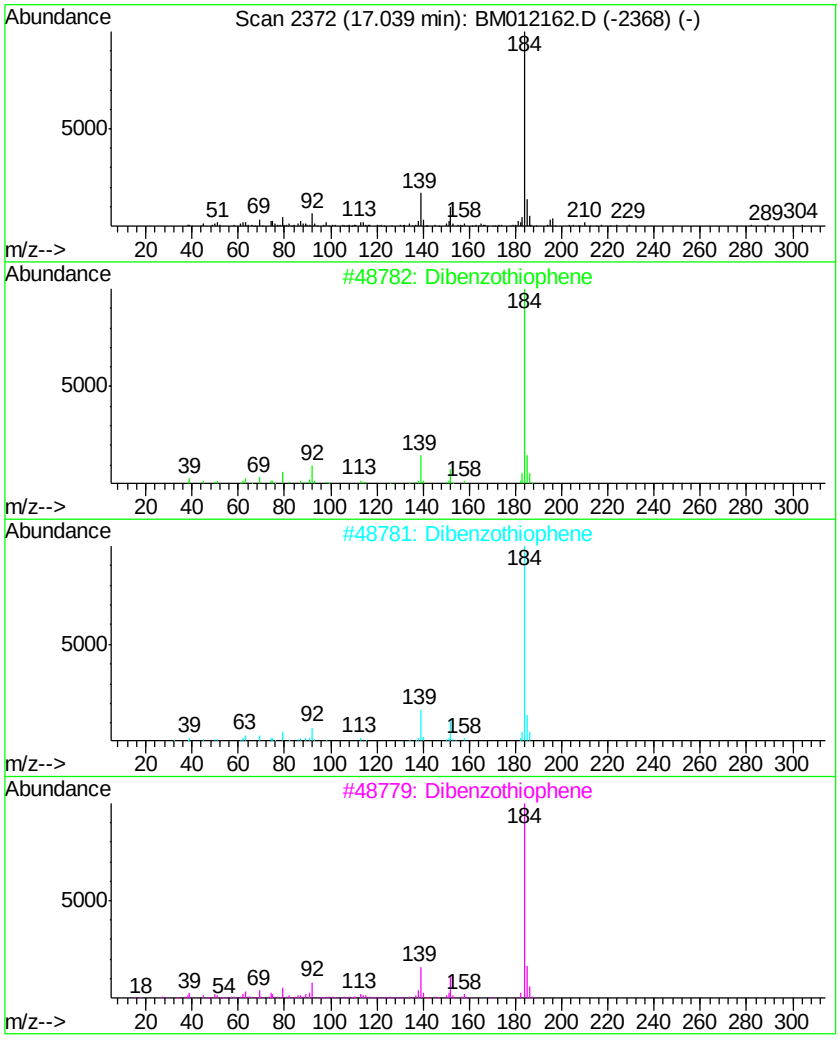
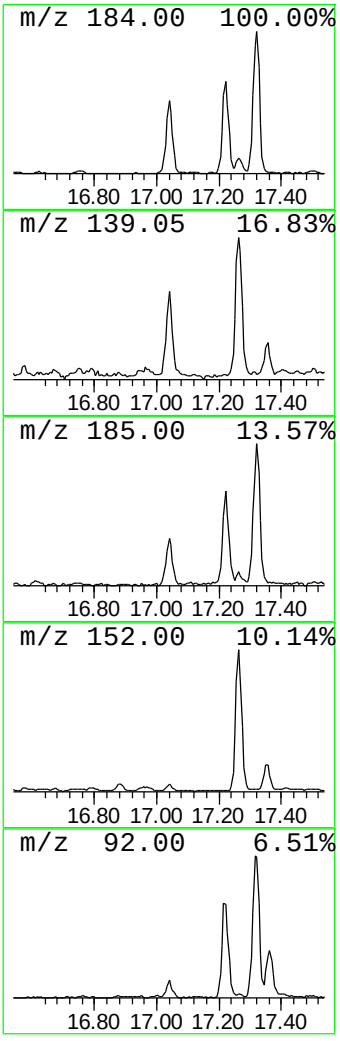
Peak Number 37 Dibenzothiophene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.91 ng/ul	322165	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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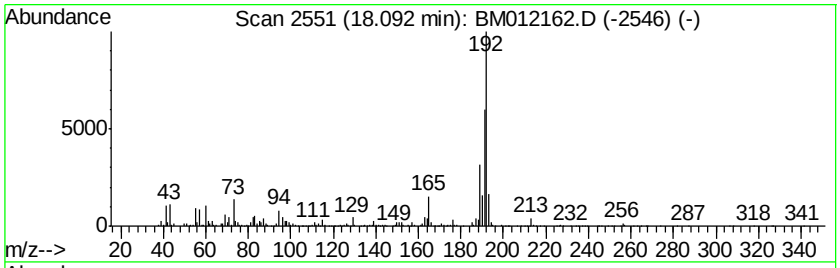
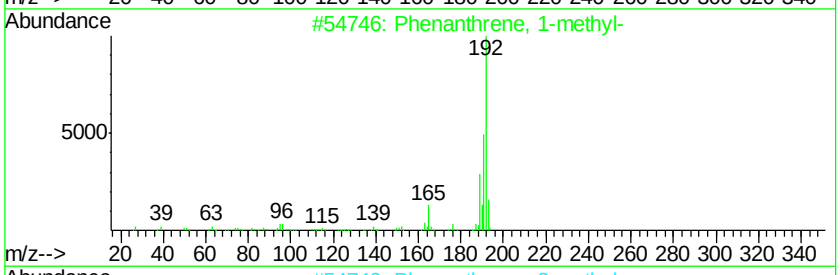
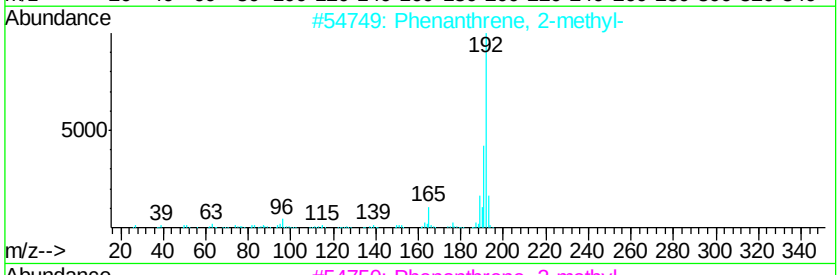
Peak Number 38 Phenanthrene, 1-methyl- Concentration Rank 7

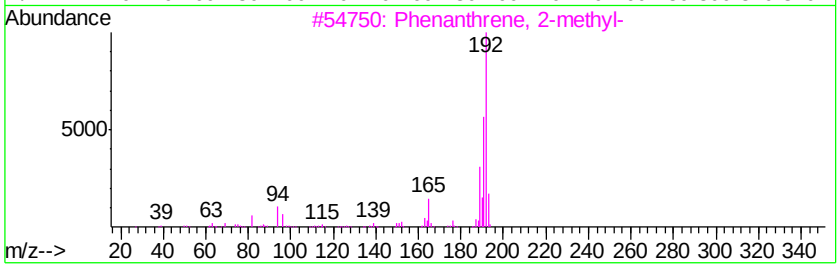
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	12.75 ng/ul	1409700	Phenanthrene-d10	17.22

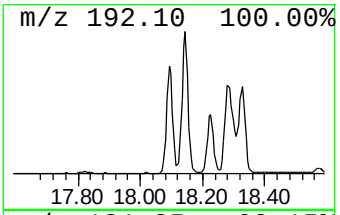
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94

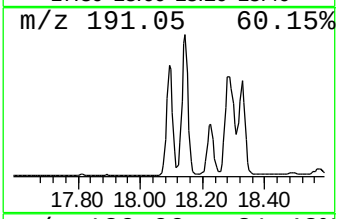


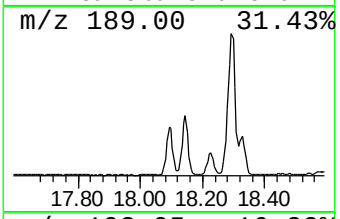


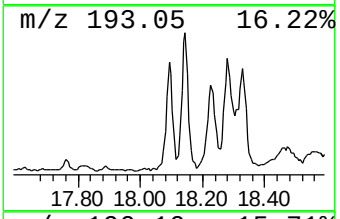


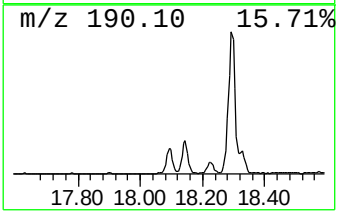












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Data File : BM012162.D
Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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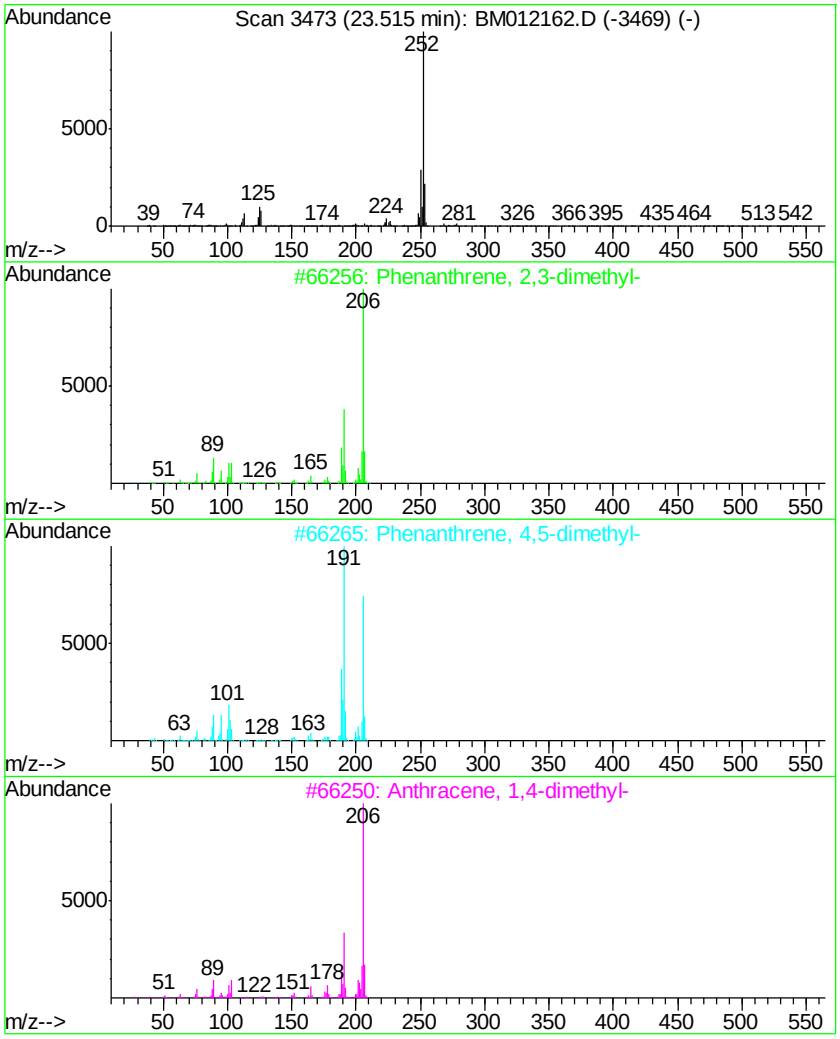
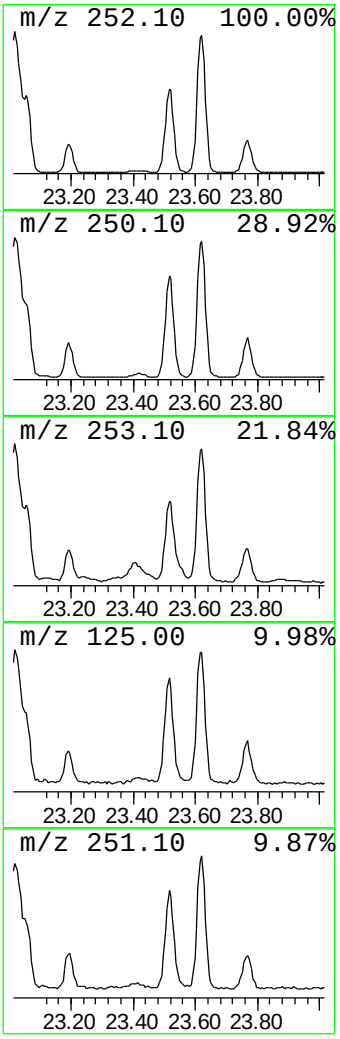
Peak Number 52 Phenanthrene, 2,3-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.52	29.02 ng/ul	2720230	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012162.D
Acq On : 14 Oct 2017 08:04
Operator : SJ/JU
Sample : I5649-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-42(7-9)-100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
Cyclohexane, 1,1,...	4.99	4.3	ng/ul	216370	1	7.82	997988	20.0
Cyclohexane, 1,2,...	5.23	4.4	ng/ul	220762	1	7.82	997988	20.0
Cyclohexane, 1,2,...	5.67	3.5	ng/ul	177116	1	7.82	997988	20.0
Cyclohexane, 1-et...	5.82	4.5	ng/ul	224716	1	7.82	997988	20.0
Cyclohexane, 1-et...	6.08	12.5	ng/ul	622909	1	7.82	997988	20.0
unknown-01	6.28	10.6	ng/ul	526605	1	7.82	997988	20.0
(DEL) Alkane: Str...	6.40	4.9	ng/ul	242347	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	6.43	14.8	ng/ul	736200	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	6.55	4.2	ng/ul	211675	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	6.62	5.8	ng/ul	287285	1	7.82	997988	20.0
(DEL) Alkane: Str...	6.69	3.5	ng/ul	172407	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	6.90	3.4	ng/ul	169824	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	6.94	19.1	ng/ul	952516	1	7.82	997988	20.0
Benzene, 1-ethyl-...	7.46	4.4	ng/ul	218565	1	7.82	997988	20.0
Methoxyacetic aci...	7.52	7.0	ng/ul	350311	1	7.82	997988	20.0
1,1'-Bicyclooctyl	7.62	4.7	ng/ul	235267	1	7.82	997988	20.0
unknown-02	7.73	11.7	ng/ul	583851	1	7.82	997988	20.0
unknown-03	7.87	4.5	ng/ul	221853	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	7.92	5.3	ng/ul	262148	1	7.82	997988	20.0
(DEL) Alkane: Str...	7.99	6.7	ng/ul	333037	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	8.09	13.4	ng/ul	666166	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	8.15	4.5	ng/ul	222172	1	7.82	997988	20.0
Benzene, 1,3-diet...	8.30	3.9	ng/ul	194231	1	7.82	997988	20.0
(DEL) Alkane: Cyc...	8.36	7.0	ng/ul	351639	1	7.82	997988	20.0
unknown-04	8.79	3.6	ng/ul	178434	1	7.82	997988	20.0
Benzene, 4-ethyl-...	8.92	26.7	ng/ul	1334280	1	7.82	997988	20.0
Sulfurous acid, c...	9.12	5.3	ng/ul	263479	1	7.82	997988	20.0
unknown-05	9.16	9.5	ng/ul	475239	1	7.82	997988	20.0
1H-Indene, 2,3-di...	9.26	2.5	ng/ul	220381	2	10.62	1767370	20.0
Benzene, 1,2,4,5-...	9.45	3.7	ng/ul	324209	2	10.62	1767370	20.0
trans-Decalin, 2-...	9.53	4.7	ng/ul	418399	2	10.62	1767370	20.0
1-Methyldecahydro...	9.79	6.0	ng/ul	528141	2	10.62	1767370	20.0
1-Phenyl-1-butene	10.02	4.2	ng/ul	374495	2	10.62	1767370	20.0
9H-Fluorene, 1-me...	16.52	2.2	ng/ul	240399	4	17.22	2210460	20.0
Eicosane	16.96	2.8	ng/ul	311942	4	17.22	2210460	20.0
Dibenzothiophene	17.04	2.9	ng/ul	322165	4	17.22	2210460	20.0
Phenanthrene, 1-m...	18.09	12.8	ng/ul	1409700	4	17.22	2210460	20.0
Phenanthrene, 2,3...	23.52	29.0	ng/ul	2720230	6	23.72	1874810	20.0