

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012519.D
 Acq On : 28 Oct 2017 11:26
 Operator : SJ/JU
 Sample : I5786-13 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-67(1.5-2.5) 101017

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 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-BM102417.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	4.275	195	202	205	rBV2	890969	1477389	7.85%	0.335%
2	4.405	220	224	232	rVB2	530227	931569	4.95%	0.211%
3	4.557	245	250	257	rVB	1071256	1714699	9.12%	0.388%
4	4.640	257	264	269	rBV2	780399	1492553	7.93%	0.338%
5	4.693	269	273	276	rVV	646933	972751	5.17%	0.220%
6	4.734	276	280	288	rVB	1350437	1995826	10.61%	0.452%
7	4.834	288	297	303	rBV	2539042	4140489	22.01%	0.938%
8	4.928	308	313	319	rVV	3536144	5608963	29.82%	1.270%
9	4.993	319	324	328	rVV4	1225243	2288261	12.16%	0.518%
10	5.040	328	332	336	rVV	2153494	3045200	16.19%	0.690%
11	5.093	336	341	347	rVV2	3703445	6020292	32.00%	1.364%
12	5.152	347	351	356	rVV	857011	1454569	7.73%	0.329%
13	5.252	363	368	371	rVV	2407304	3613576	19.21%	0.818%
14	5.293	371	375	378	rVV	1516744	2462162	13.09%	0.558%
15	5.328	378	381	390	rVB	2343663	3600400	19.14%	0.815%
16	5.440	396	400	404	rBV	924490	1357995	7.22%	0.308%
17	5.593	417	426	434	rVB4	854186	2110007	11.22%	0.478%
18	5.693	434	443	449	rBV2	1241345	2377227	12.64%	0.538%
19	5.763	449	455	460	rBV3	1615098	3176364	16.89%	0.719%
20	5.846	464	469	473	rBV	3030275	4418737	23.49%	1.001%
21	5.910	473	480	487	rVB	1831315	3624391	19.27%	0.821%
22	5.981	487	492	501	rBV	1413596	2255606	11.99%	0.511%
23	6.063	501	506	514	rVB2	599171	1088189	5.78%	0.246%
24	6.157	514	522	530	rBV5	4292373	10646044	56.59%	2.411%
25	6.275	536	542	548	rVB2	2108436	4513817	24.00%	1.022%
26	6.369	552	558	566	rBV4	4411803	10850712	57.68%	2.458%
27	6.440	566	570	574	rBV	6493673	8509227	45.23%	1.927%
28	6.522	574	584	587	rBV4	5807090	12738085	67.72%	2.885%
29	6.551	587	589	597	rVB	4512237	5781511	30.73%	1.309%
30	6.640	599	604	609	rVB2	1627596	2591481	13.78%	0.587%
31	6.698	609	614	620	rVB3	2132693	3643202	19.37%	0.825%
32	6.763	620	625	626	rBV	2603890	3687991	19.61%	0.835%
33	6.863	633	642	649	rBV3	3455063	7636478	40.60%	1.730%
34	6.975	656	661	664	rBV3	2026279	3031114	16.11%	0.686%

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35	7.022	664	669	676	rVV4	6232590	12482321	66.36%	2.827%
36	7.163	689	693	696	rBV	1113116	1798769	9.56%	0.407%
37	7.204	696	700	706	rVV3	2626006	5522294	29.36%	1.251%
38	7.263	706	710	713	rVV3	3078806	4910568	26.10%	1.112%
39	7.304	713	717	719	rVV2	3083401	4730905	25.15%	1.071%
40	7.334	719	722	724	rVV4	2282180	3553649	18.89%	0.805%
41	7.363	724	727	733	rVV2	5144901	10872075	57.80%	2.462%
42	7.440	736	740	751	rVB5	3815698	9525533	50.64%	2.157%
43	7.534	751	756	758	rBV2	1484315	2316480	12.31%	0.525%
44	7.563	758	761	763	rVV2	1381095	2193884	11.66%	0.497%
45	7.598	763	767	772	rVV3	2617001	5080355	27.01%	1.151%
46	7.645	772	775	778	rVV	1187602	1609810	8.56%	0.365%
47	7.704	778	785	789	rVV5	2177280	5890413	31.31%	1.334%
48	7.781	793	798	801	rVV3	3470141	7927375	42.14%	1.795%
49	7.857	805	811	818	rVV2	9046823	17672998	93.95%	4.003%
50	7.945	820	826	831	rVV3	3140204	6182018	32.86%	1.400%
51	8.016	831	838	841	rVV4	1455641	3563785	18.94%	0.807%
52	8.063	841	846	850	rVV2	5161208	8939032	47.52%	2.025%
53	8.110	850	854	855	rVV	2153659	3113336	16.55%	0.705%
54	8.134	855	858	860	rVV	3508564	5384217	28.62%	1.219%
55	8.163	860	863	870	rVV2	6766099	11534842	61.32%	2.612%
56	8.228	870	874	881	rVV3	2070623	4936739	26.24%	1.118%
57	8.316	881	889	894	rVV5	1529483	3979246	21.15%	0.901%
58	8.369	894	898	902	rVV2	2585895	5045781	26.82%	1.143%
59	8.434	905	909	918	rVB2	2798389	5421628	28.82%	1.228%
60	8.516	918	923	926	rBV2	1548239	2374161	12.62%	0.538%
61	8.563	926	931	937	rVB4	1723219	3208090	17.05%	0.727%
62	8.710	951	956	960	rBV	4064430	6546779	34.80%	1.483%
63	8.863	977	982	987	rBV6	624377	1567377	8.33%	0.355%
64	8.981	991	1002	1008	rBV2	8833106	18811278	100.00%	4.260%
65	9.069	1011	1017	1025	rVB5	3213410	7129407	37.90%	1.615%
66	9.140	1025	1029	1033	rVB	1352602	2139009	11.37%	0.484%
67	9.192	1033	1038	1039	rBV2	2450988	3540250	18.82%	0.802%
68	9.334	1052	1062	1070	rVB4	1535579	4804219	25.54%	1.088%
69	9.457	1070	1083	1086	rBV7	1409686	3921464	20.85%	0.888%
70	9.504	1086	1091	1096	rBV2	3580055	6451901	34.30%	1.461%
71	9.592	1102	1106	1111	rVB3	1828923	2874797	15.28%	0.651%

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72	9.757	1128	1134	1137	rBV2	1942504	3235906	17.20%	0.733%
73	9.798	1137	1141	1145	rVB	1943311	2842446	15.11%	0.644%
74	9.851	1145	1150	1158	rBV6	3048021	6434760	34.21%	1.457%
75	9.916	1158	1161	1164	rVV3	599481	903899	4.81%	0.205%
76	9.951	1164	1167	1171	rVB2	822013	1094871	5.82%	0.248%
77	10.069	1182	1187	1193	rBV2	3129213	5711406	30.36%	1.294%
78	10.257	1212	1219	1233	rBV7	915634	2526707	13.43%	0.572%
79	10.369	1233	1238	1247	rVB	1364029	2559372	13.61%	0.580%
80	10.534	1262	1266	1269	rBV4	499301	916935	4.87%	0.208%
81	10.663	1278	1288	1293	rBV2	2629830	6284477	33.41%	1.423%
82	10.710	1293	1296	1304	rVV5	971457	1841847	9.79%	0.417%
83	10.786	1304	1309	1313	rVV5	732222	1324825	7.04%	0.300%
84	10.828	1313	1316	1321	rVB	852396	1176912	6.26%	0.267%
85	10.886	1321	1326	1334	rVB3	790450	1386999	7.37%	0.314%
86	11.369	1404	1408	1415	rVB4	667299	1303165	6.93%	0.295%
87	11.692	1458	1463	1467	rBV	1043496	1631075	8.67%	0.369%
88	14.198	1884	1889	1903	rVB	495312	953096	5.07%	0.216%
89	14.504	1932	1941	1948	rBV2	3203262	5190627	27.59%	1.176%
90	17.245	2401	2407	2412	rBV2	4013236	5762985	30.64%	1.305%
91	17.345	2419	2424	2428	rBV	627849	914814	4.86%	0.207%
92	18.533	2621	2626	2632	rBV2	1843350	2637697	14.02%	0.597%
93	18.721	2653	2658	2667	rBV	2959907	3786868	20.13%	0.858%
94	18.862	2677	2682	2688	rVB	6729355	8181132	43.49%	1.853%
95	18.992	2700	2704	2708	rBV	758847	930516	4.95%	0.211%
96	19.298	2752	2756	2761	rBV	710350	915464	4.87%	0.207%
97	19.356	2761	2766	2770	rBV	2472910	3048681	16.21%	0.690%
98	19.633	2809	2813	2815	rBV	879295	1161666	6.18%	0.263%
99	21.415	3112	3116	3121	rBV	5352472	7048212	37.47%	1.596%
100	23.727	3504	3509	3517	rVB	4107779	7410971	39.40%	1.678%

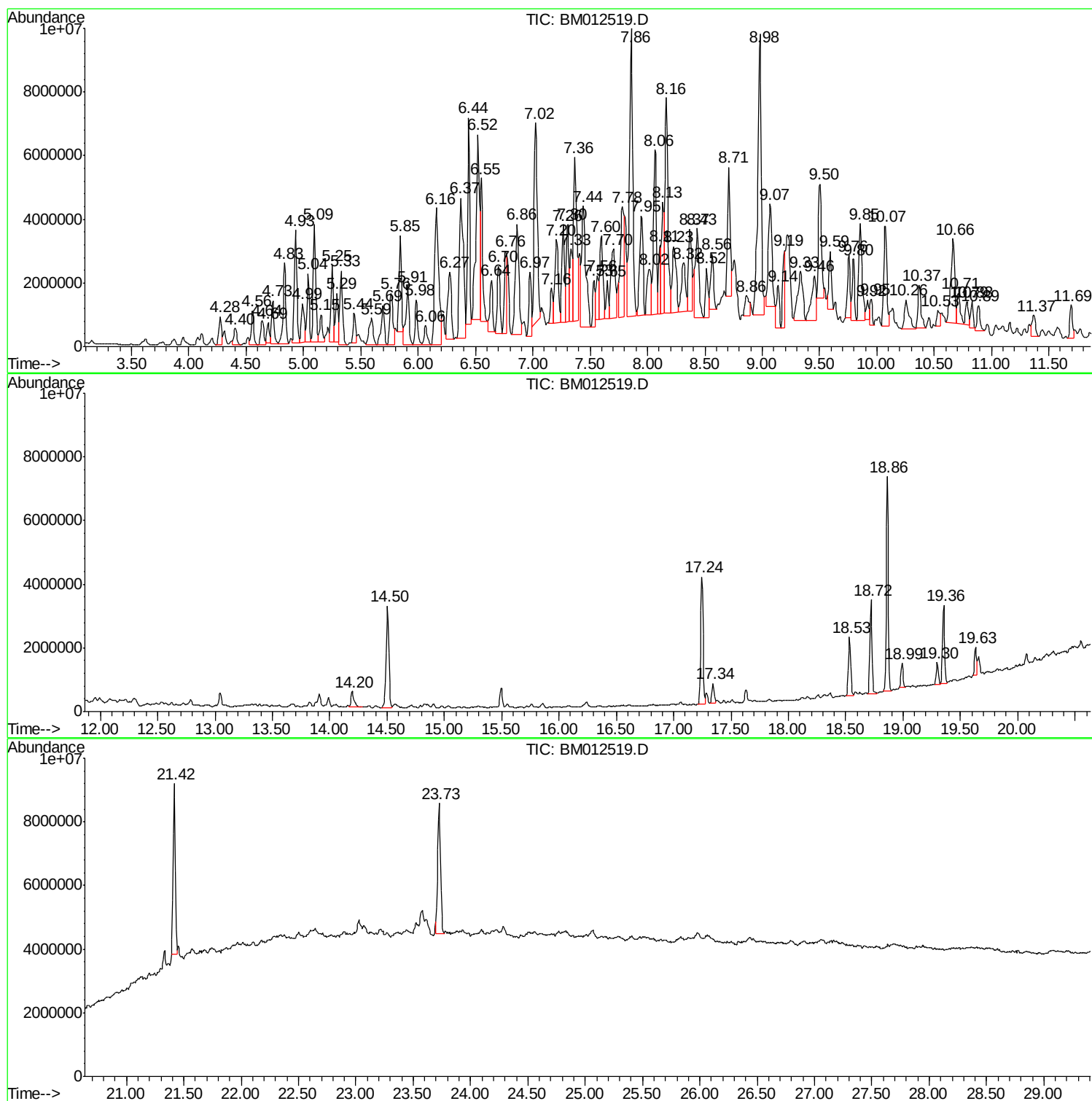
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



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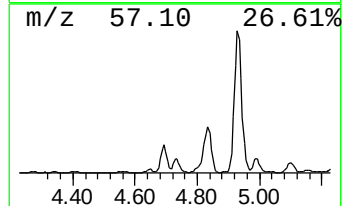
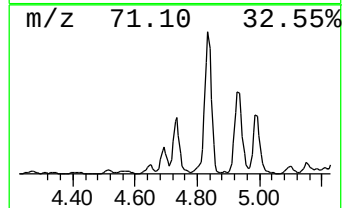
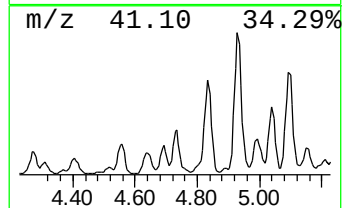
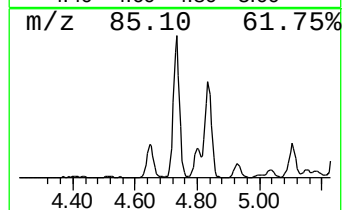
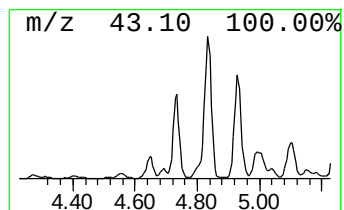
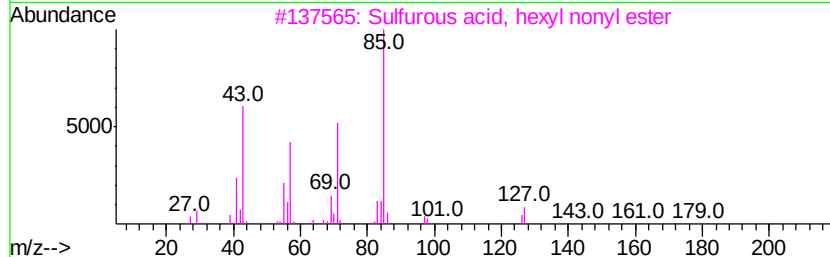
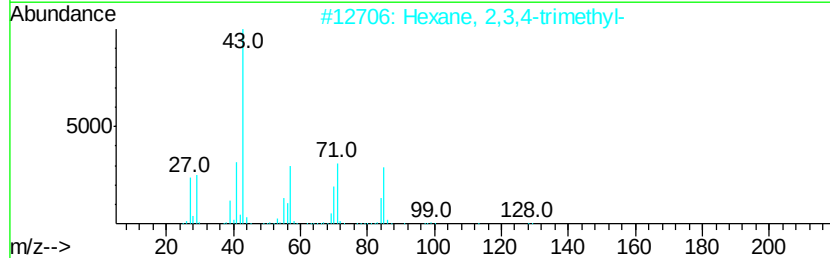
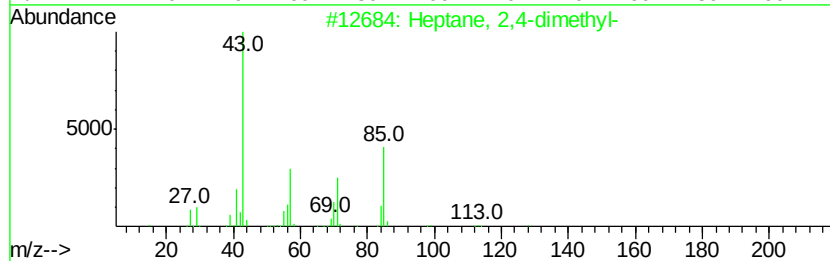
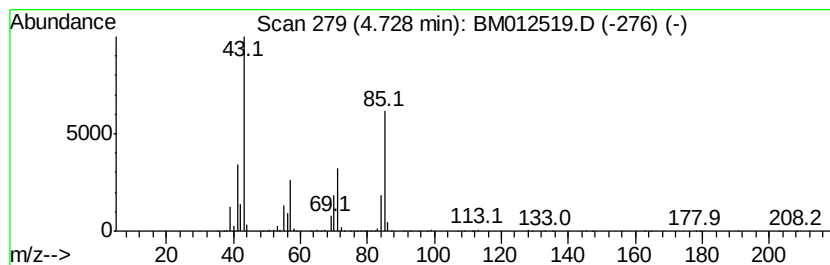
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	2.26 ng/ul	1995830	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
2		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
3		Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	53
4		Oxalic acid, diisohexyl ester	258	C14H26O4	1000309-32-9	53
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53



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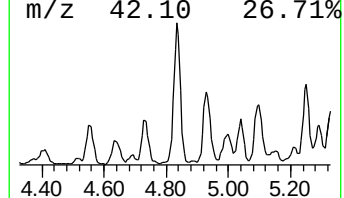
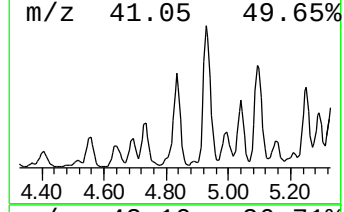
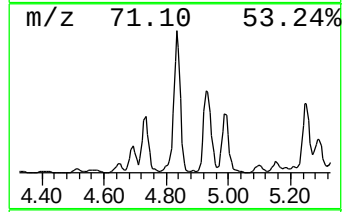
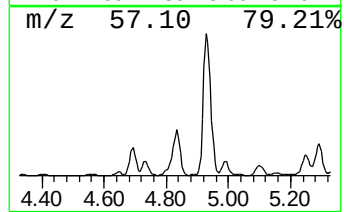
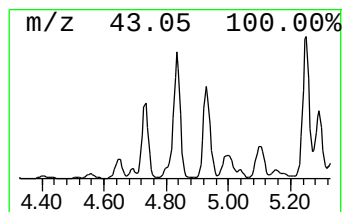
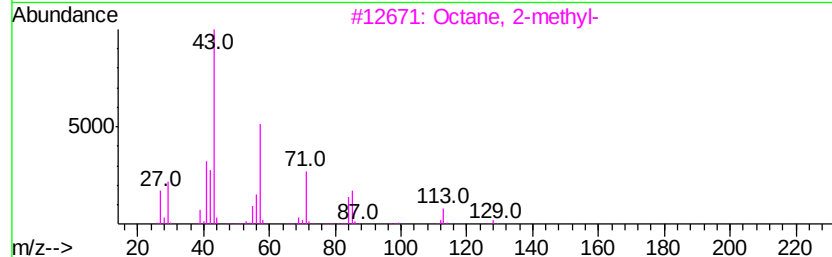
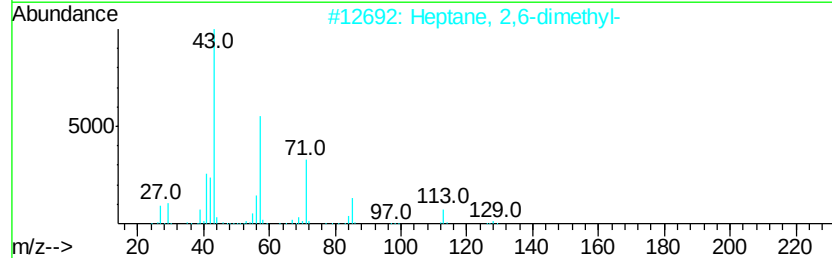
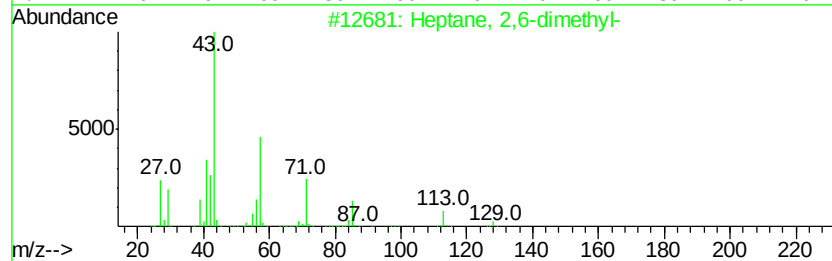
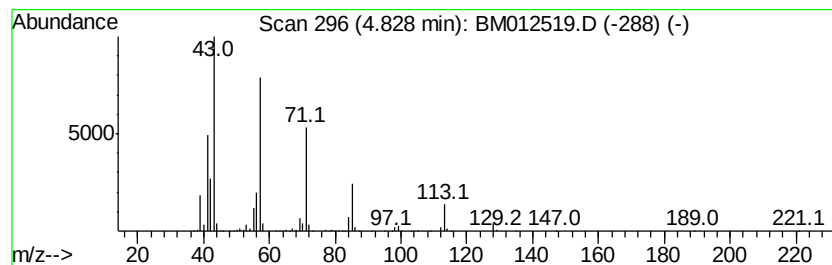
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	4.69 ng/ul	4140490	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
3			Octane, 2-methyl-	128	C9H20	003221-61-2	68
4			Nonane	128	C9H20	000111-84-2	58
5			Octane, 2-methyl-	128	C9H20	003221-61-2	53



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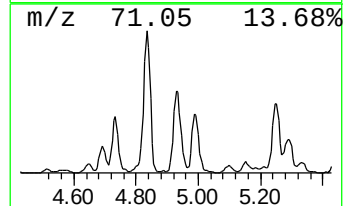
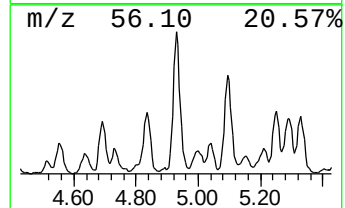
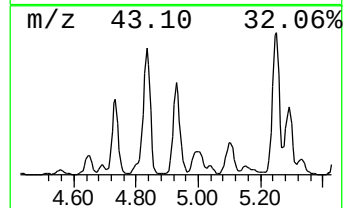
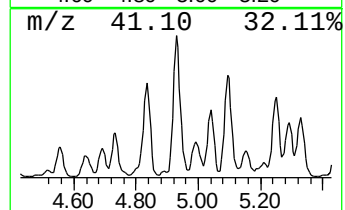
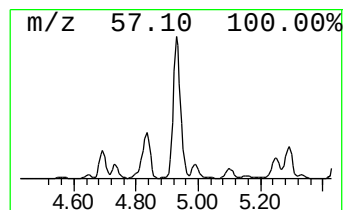
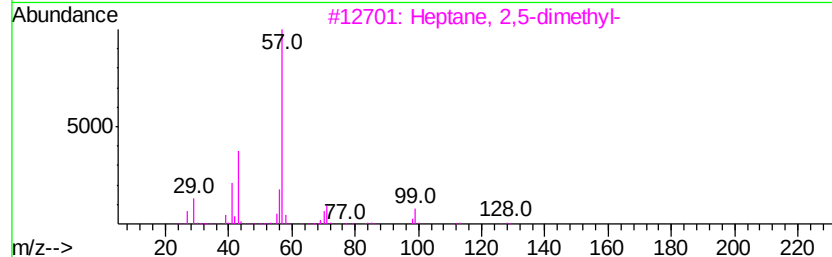
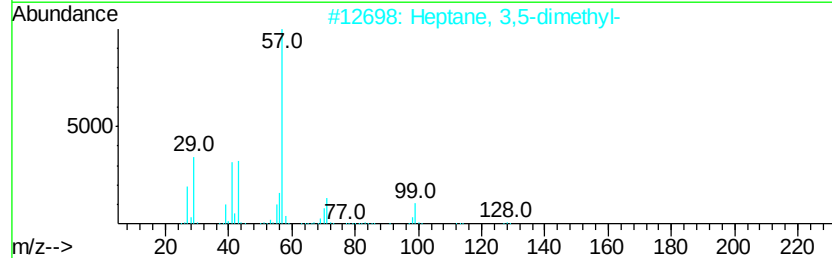
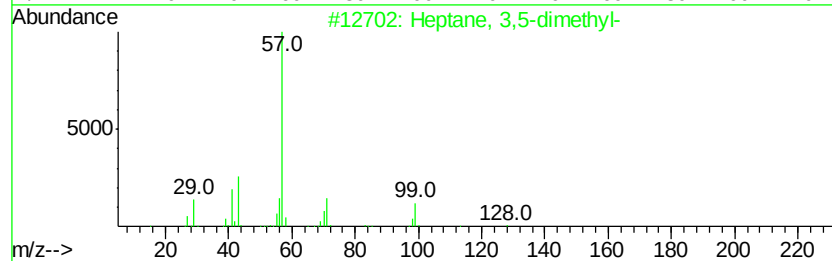
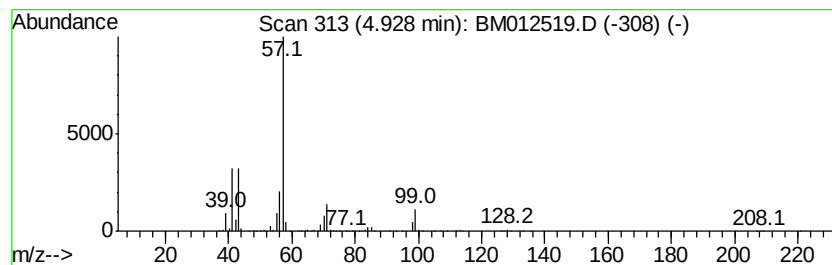
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	6.35 ng/ul	5608960	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	91
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	91
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-67(1.5-2.5) 101017

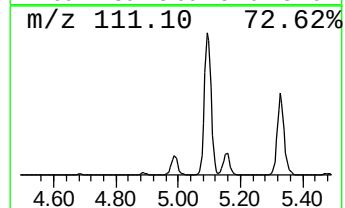
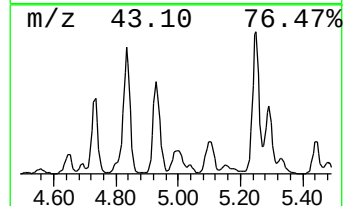
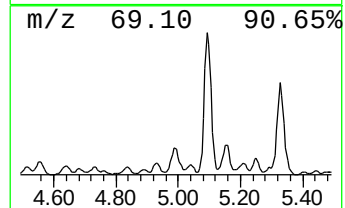
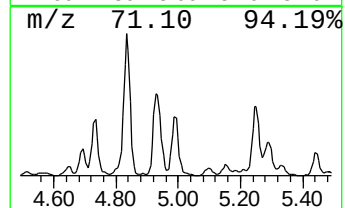
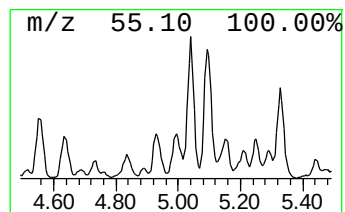
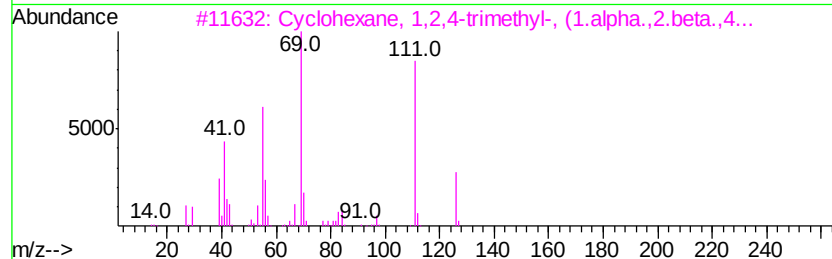
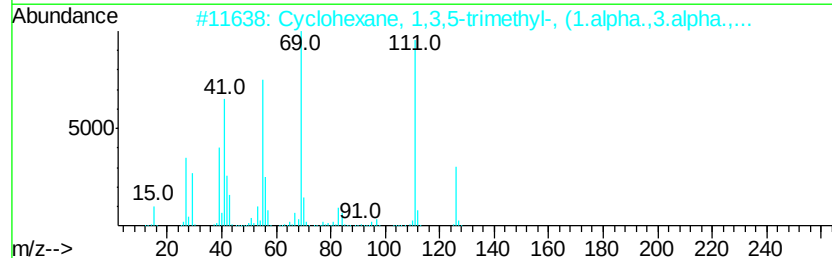
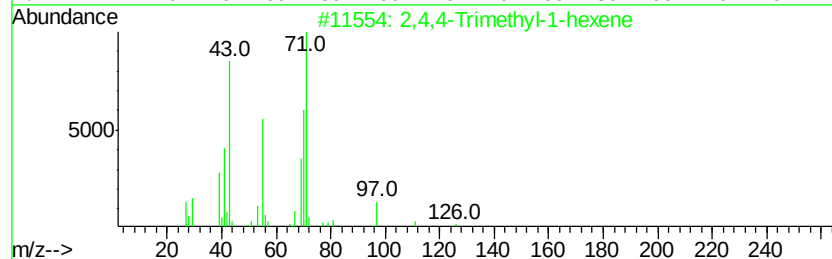
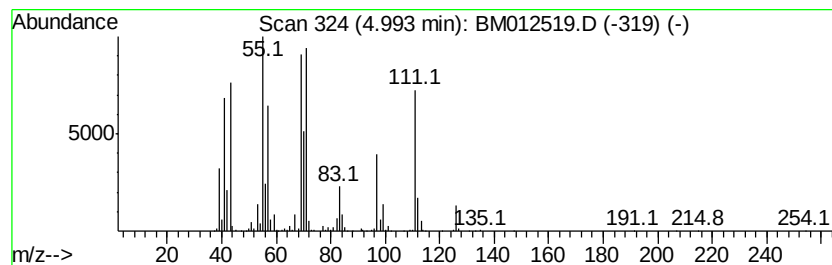
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic4.99 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	2.59 ng/ul	2288260	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	35
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	35
3		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	35
4		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	35
5		2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-67(1.5-2.5) 101017

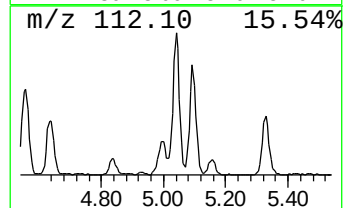
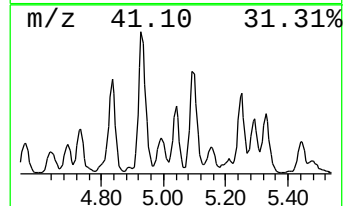
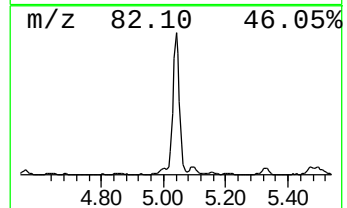
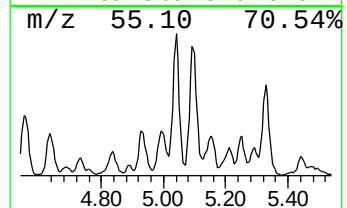
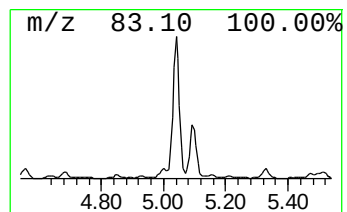
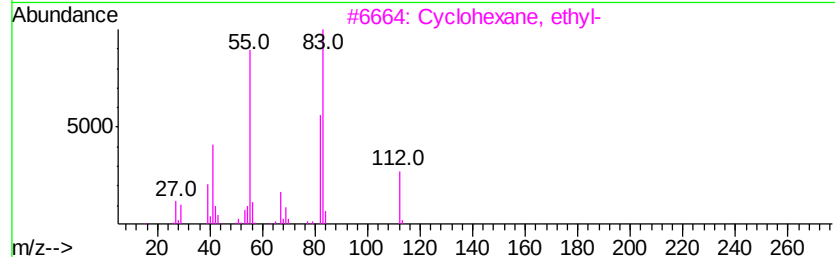
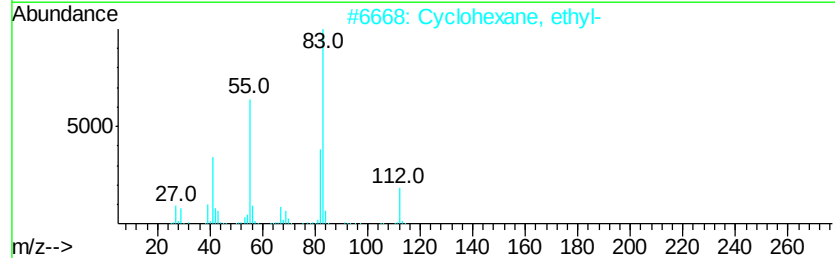
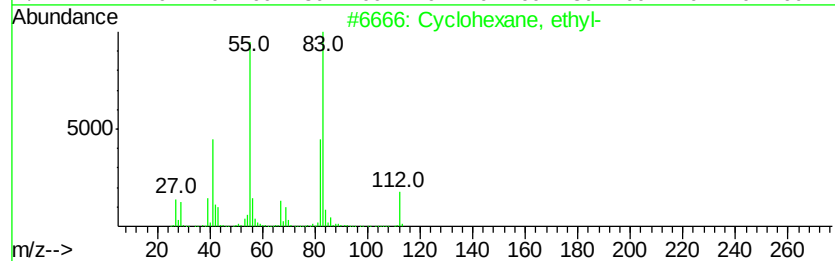
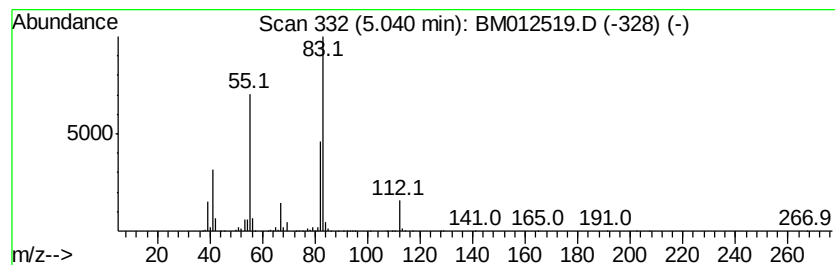
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Cyclic5.04 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	3.45 ng/ul	3045200	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	60
4		trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	53
5		Cyclohexane, bromo-	162	C6H11Br	000108-85-0	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

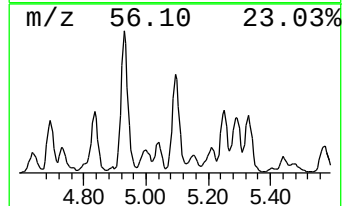
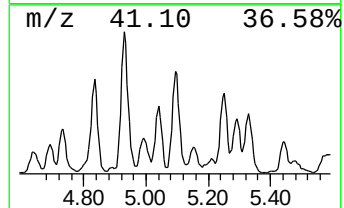
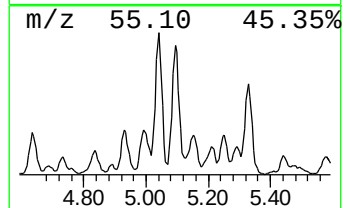
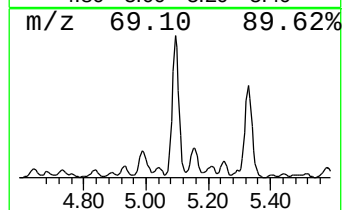
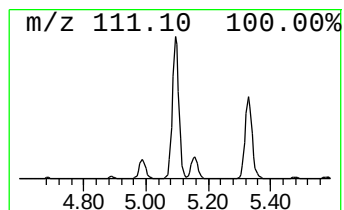
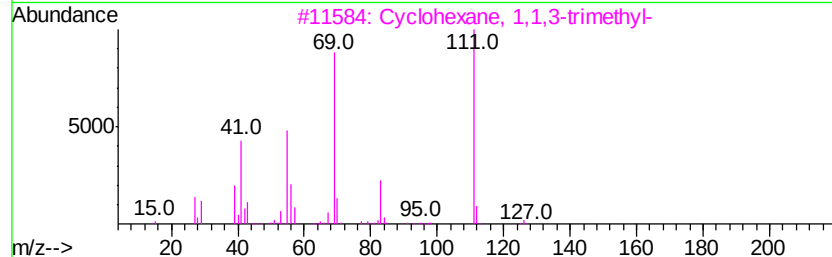
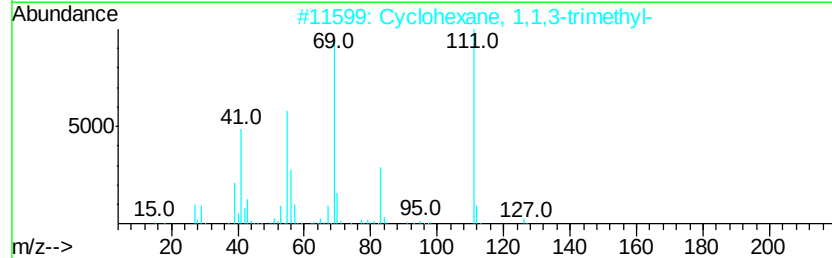
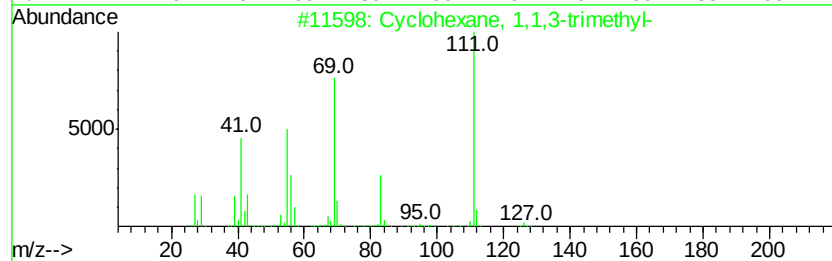
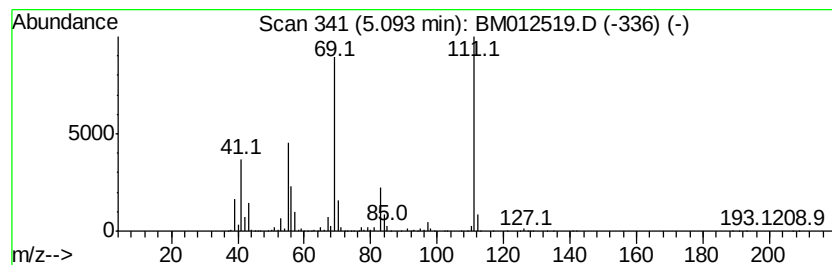
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic5.09 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	6.81 ng/ul	6020290	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
5			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

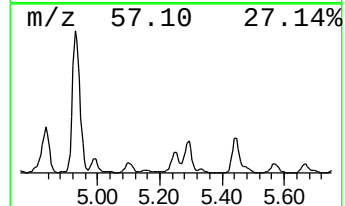
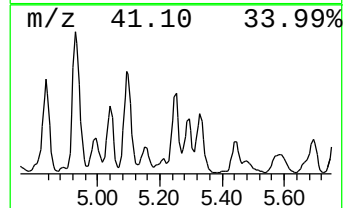
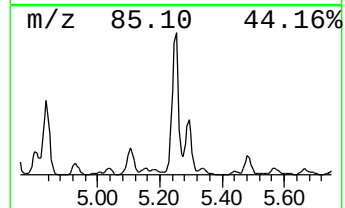
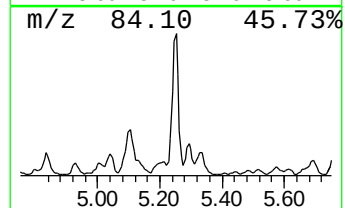
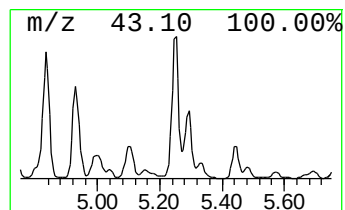
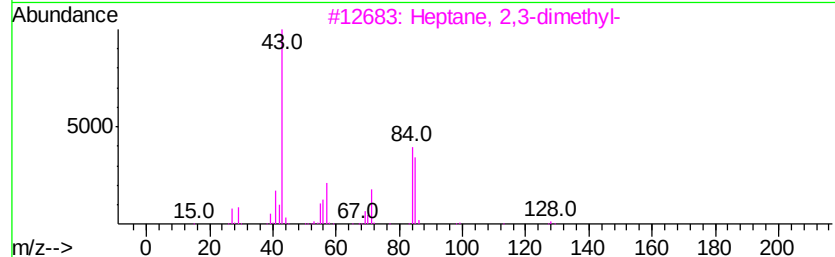
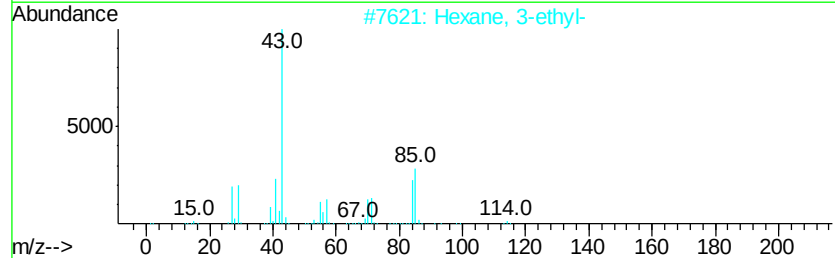
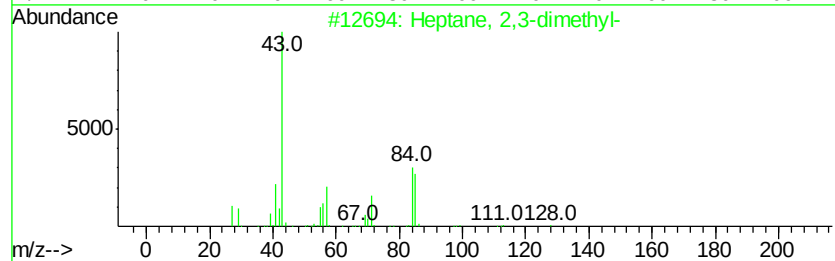
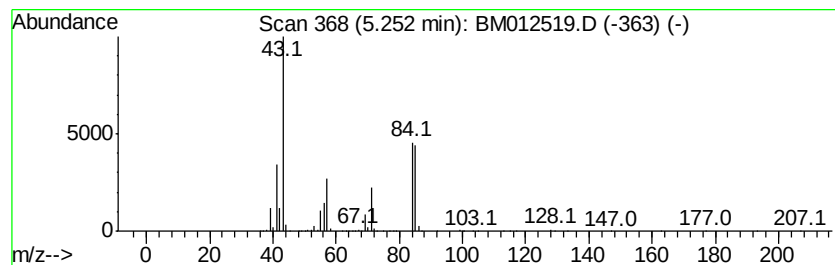
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	4.09 ng/ul	3613580	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
2		Hexane, 3-ethyl-	114	C8H18	000619-99-8	83
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	83
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	81
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
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B-67(1.5-2.5) 101017

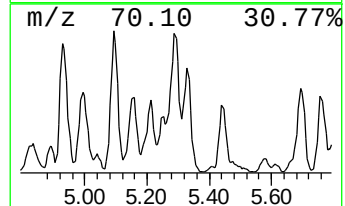
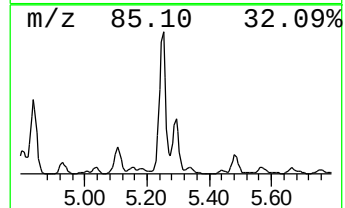
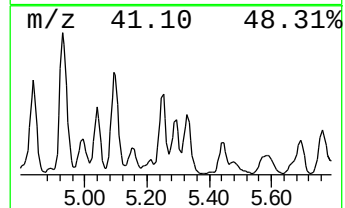
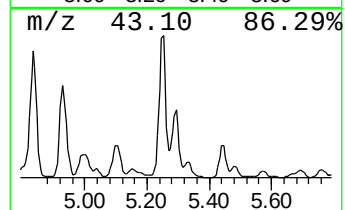
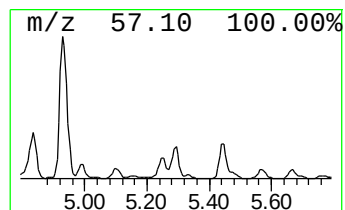
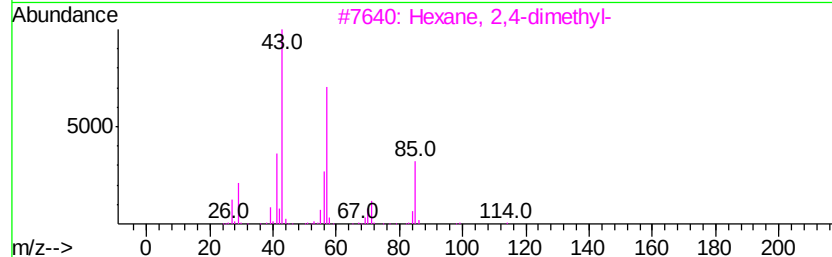
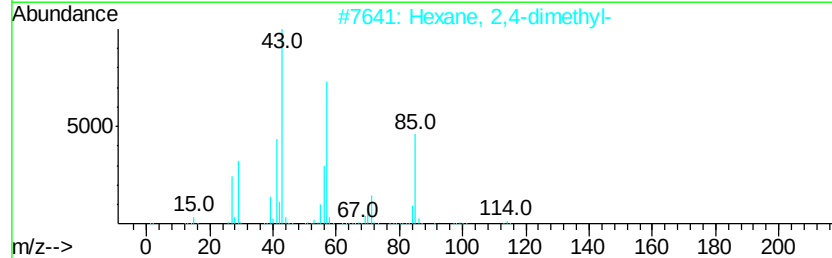
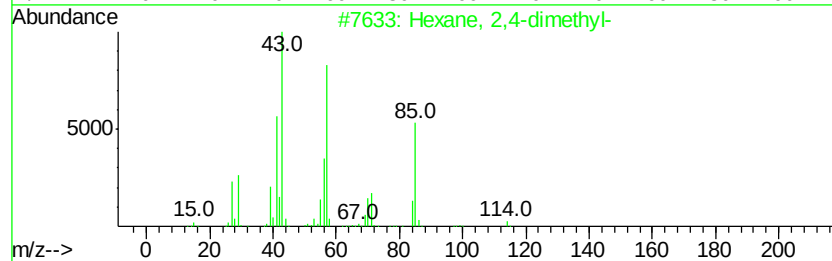
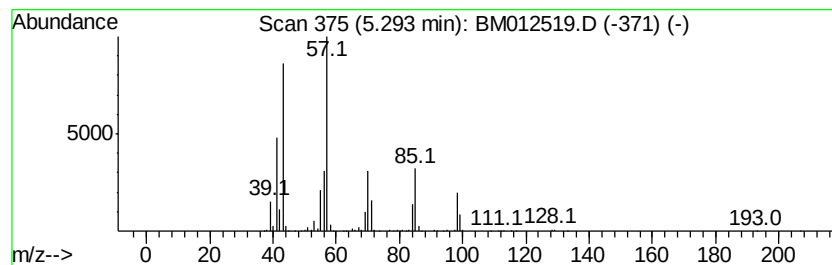
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	2.79 ng/ul	2462160	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
4		Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	50
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
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Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

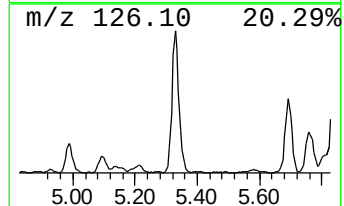
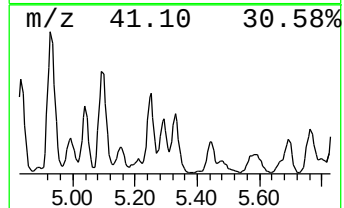
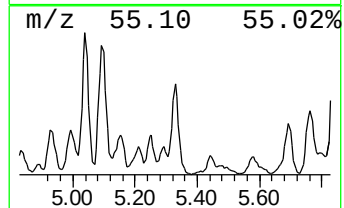
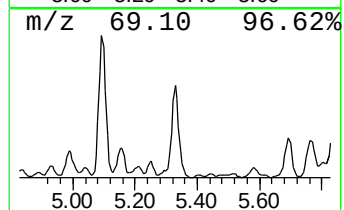
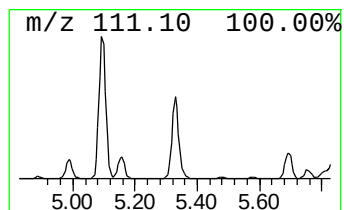
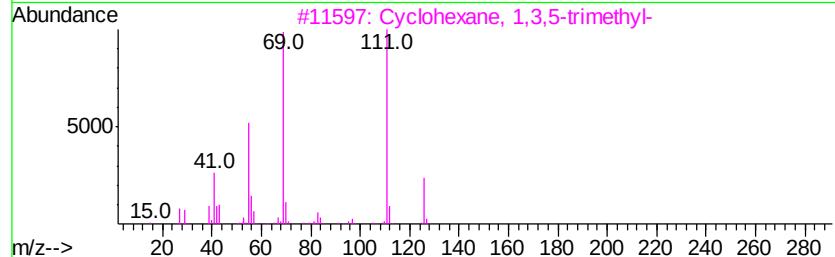
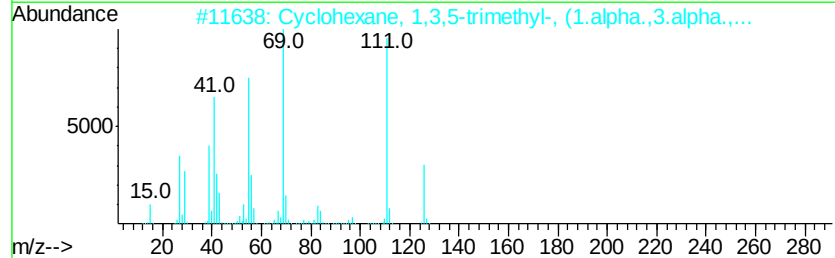
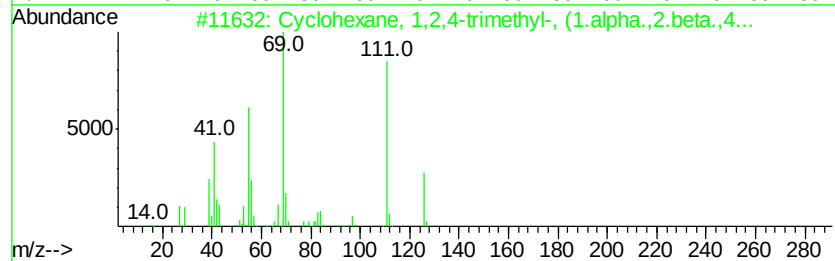
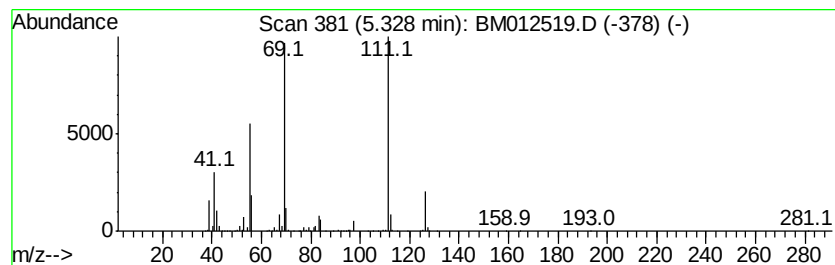
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Cyclic5.33 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	4.07 ng/ul	3600400	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001839-63-0	91
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
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ALS Vial : 43 Sample Multiplier: 1

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ClientSampleId :
B-67(1.5-2.5) 101017

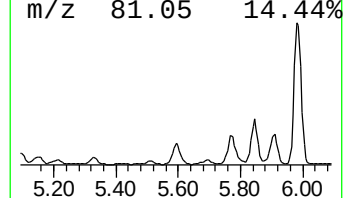
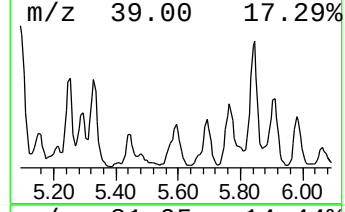
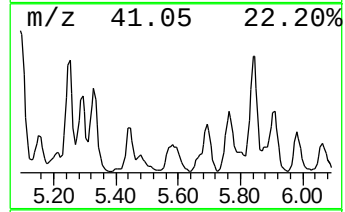
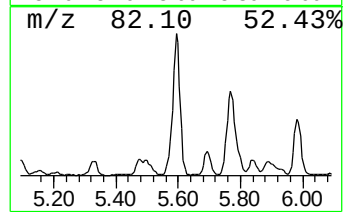
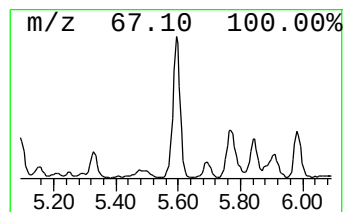
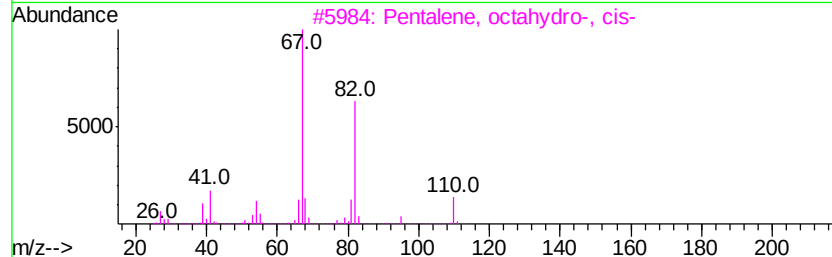
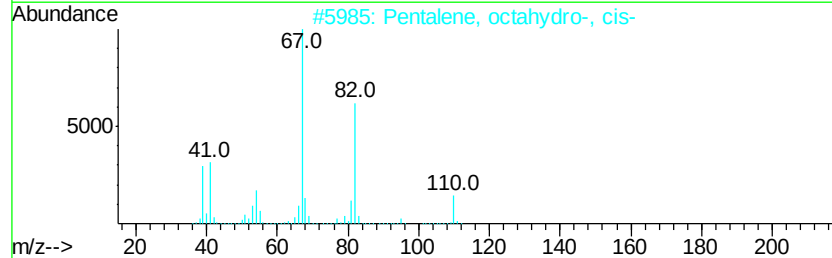
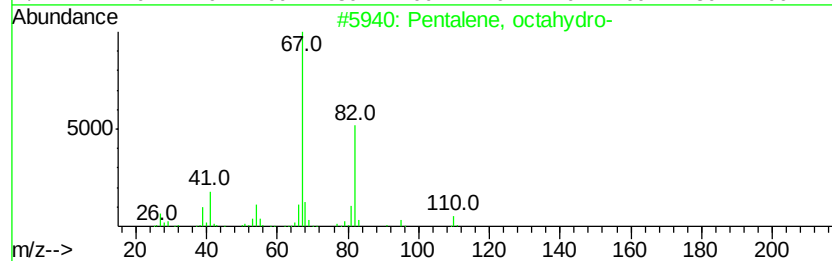
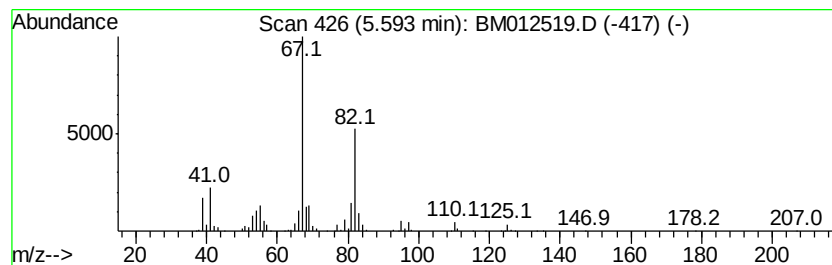
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Pentalene, octahydro- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	2.39 ng/ul	2110010	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-	110	C8H14	000694-72-4	80
2		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	80
3		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
4		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
5		4-Methyl-2-pentyne	82	C6H10	021020-27-9	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-67(1.5-2.5) 101017

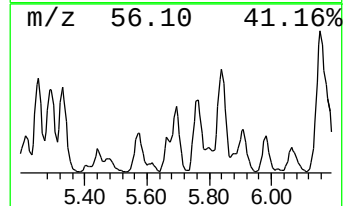
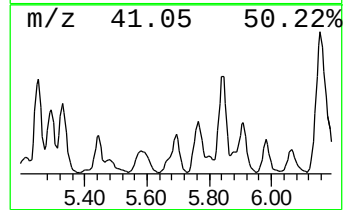
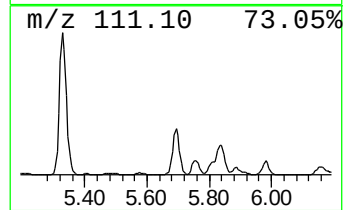
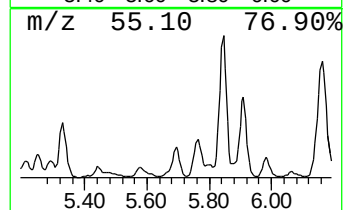
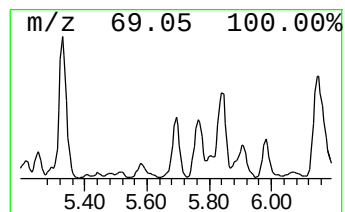
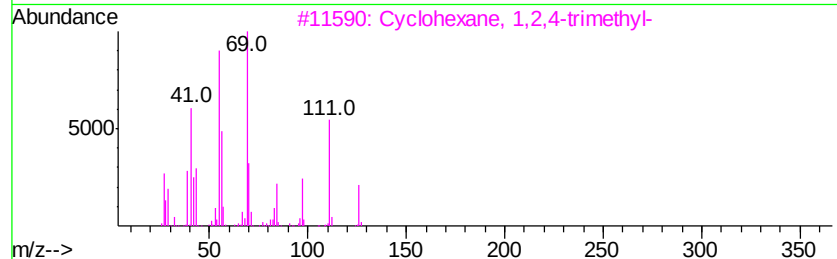
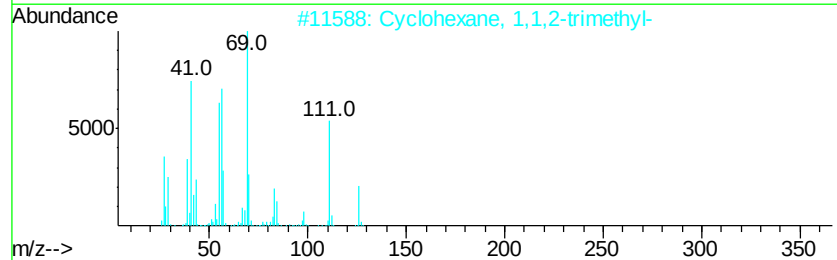
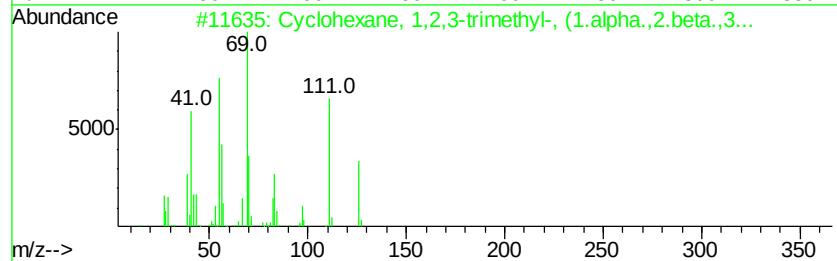
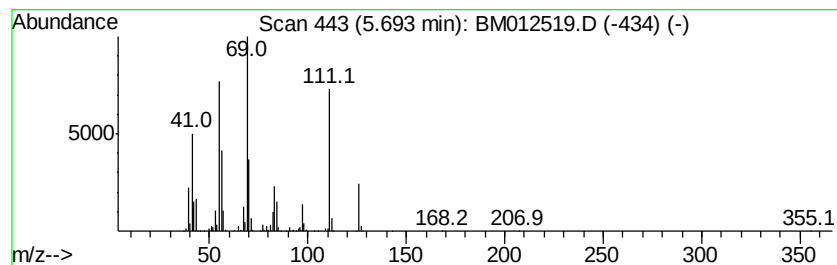
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Cyclic5.69 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	2.69 ng/ul	2377230	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	96
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	90
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83
5		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
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Sample : I5786-13 5X
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ClientSampleId :
B-67(1.5-2.5) 101017

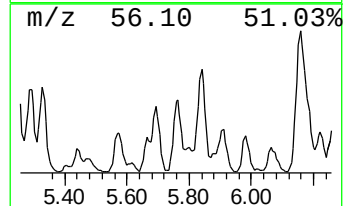
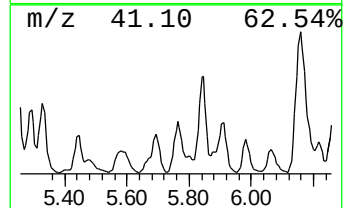
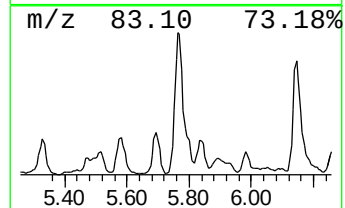
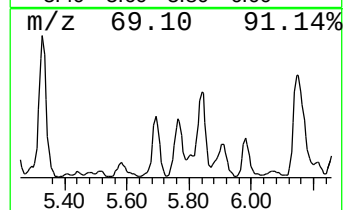
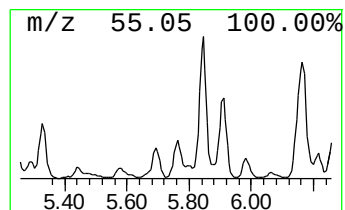
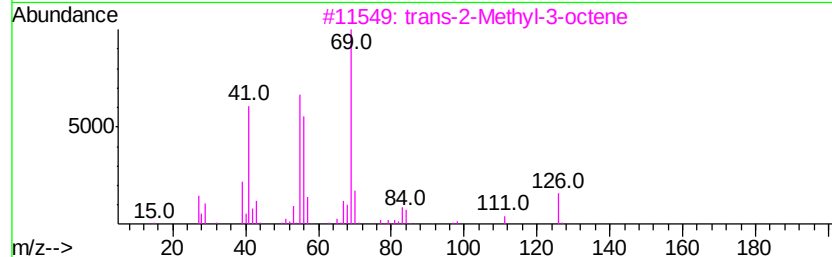
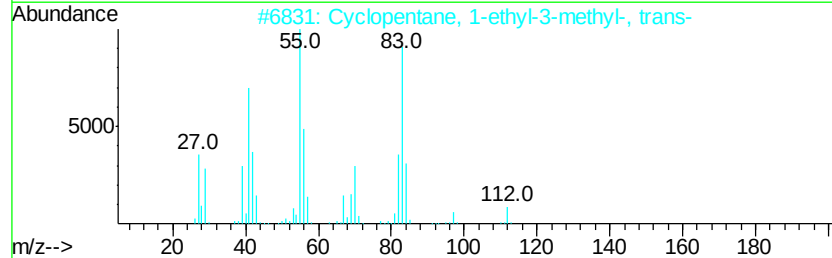
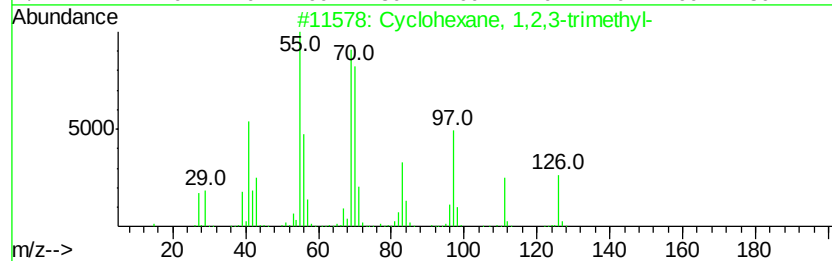
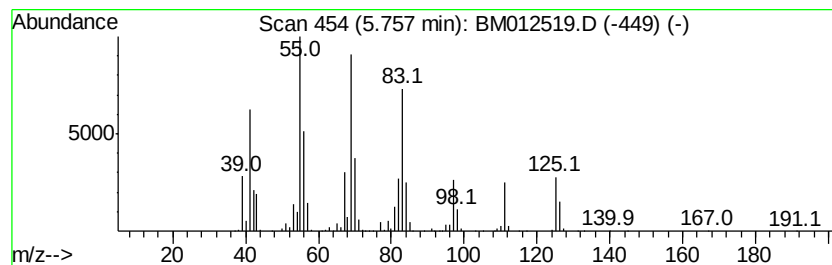
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Cyclic5.76 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	3.59 ng/ul	3176360	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	38
3			trans-2-Methyl-3-octene	126	C9H18	052937-36-7	38
4			Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	38
5			Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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B-67(1.5-2.5) 101017

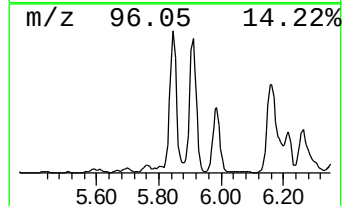
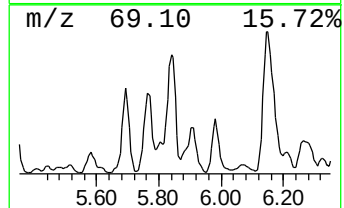
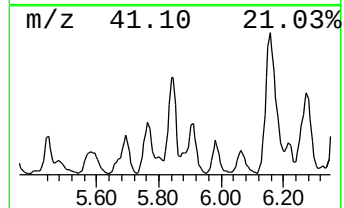
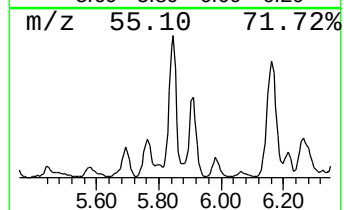
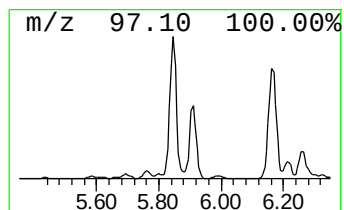
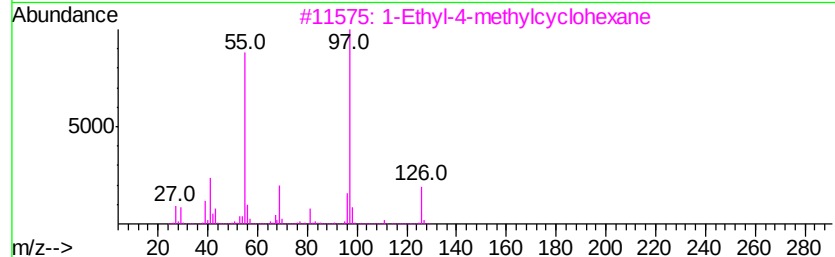
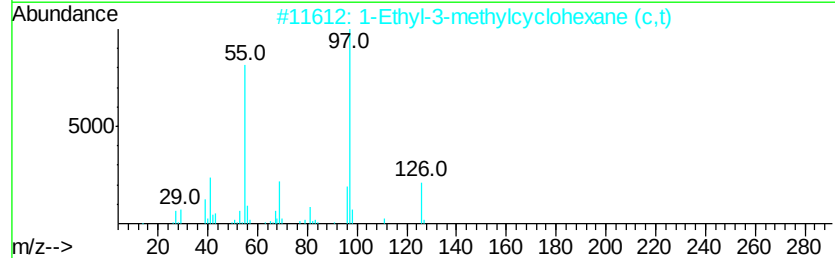
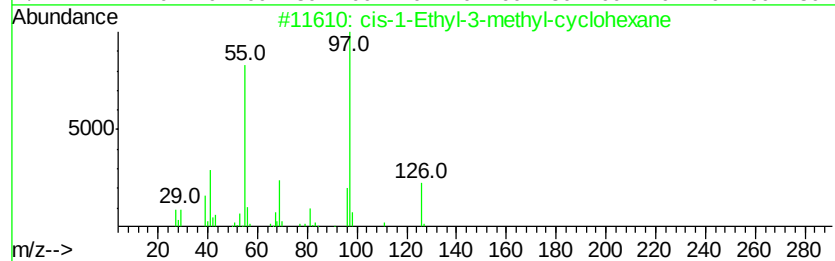
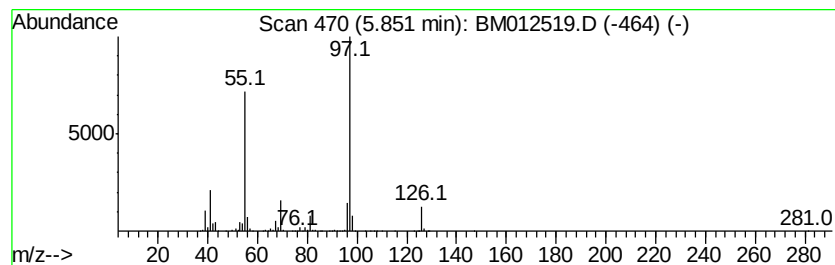
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 (DEL) Alkane: Cyclic5.65 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	5.00 ng/ul	4418740	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	91
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
4			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	86
5			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
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B-67(1.5-2.5) 101017

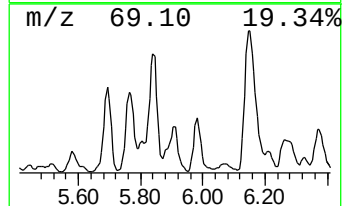
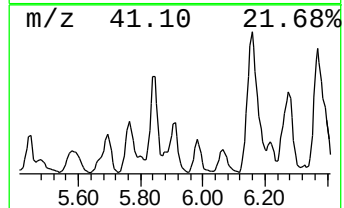
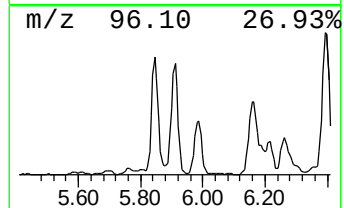
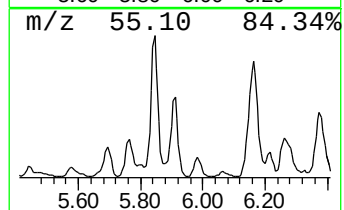
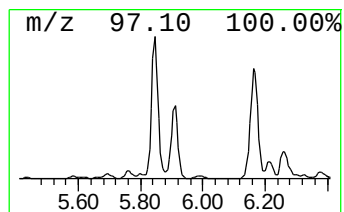
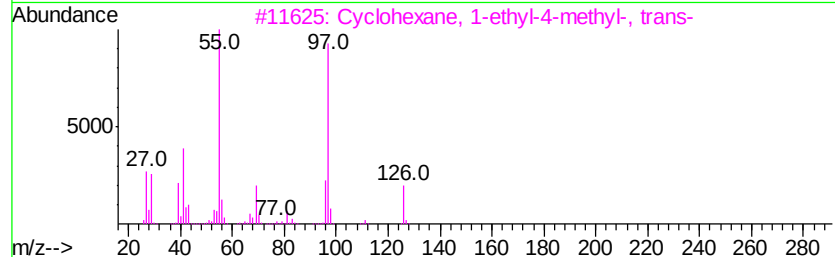
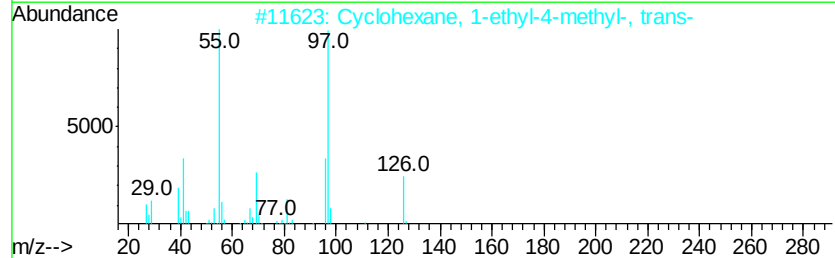
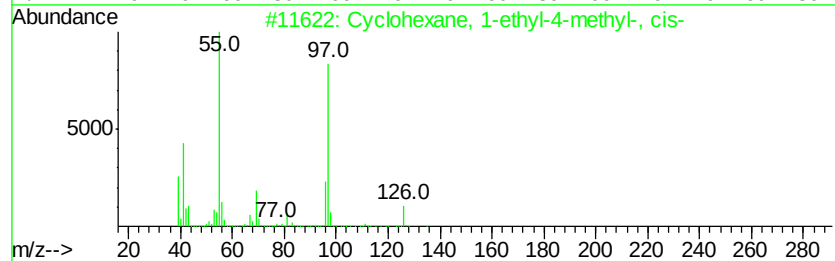
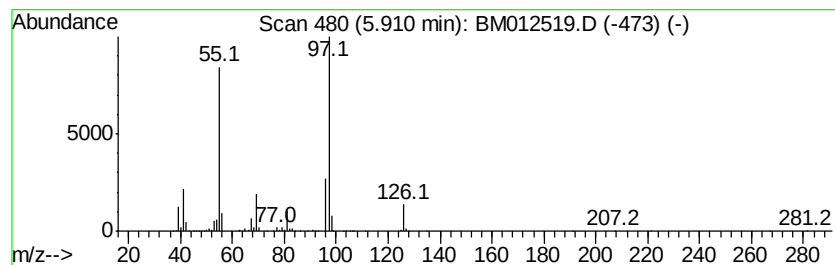
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Cyclic5.91 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.91	4.10 ng/ul	3624390	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
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B-67(1.5-2.5) 101017

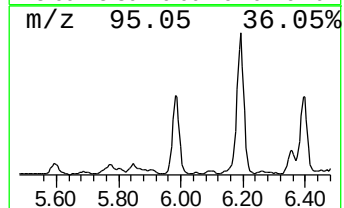
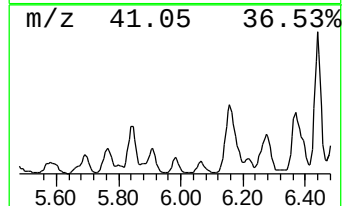
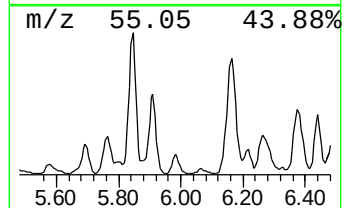
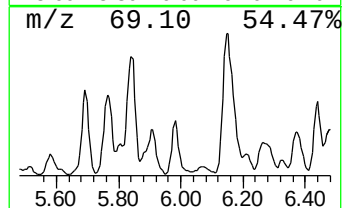
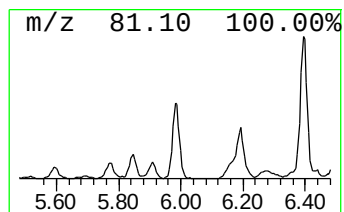
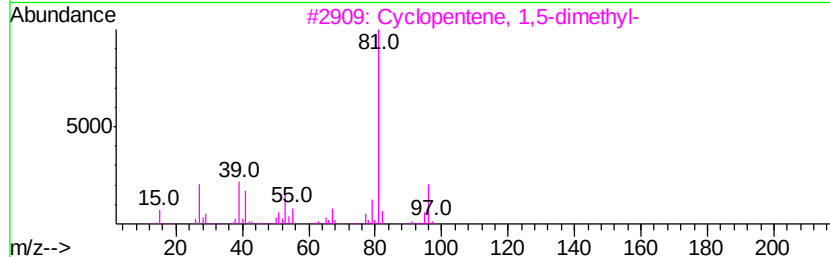
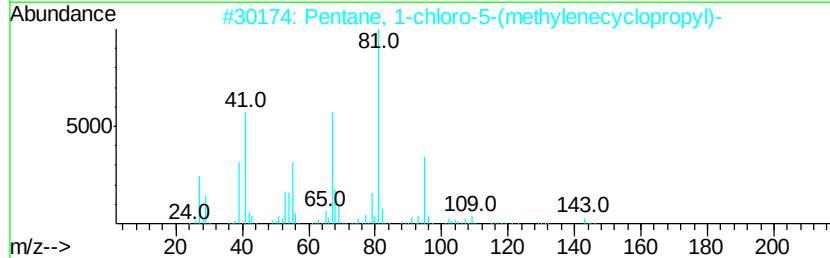
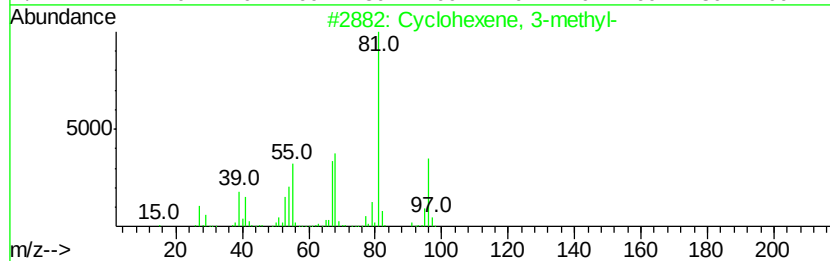
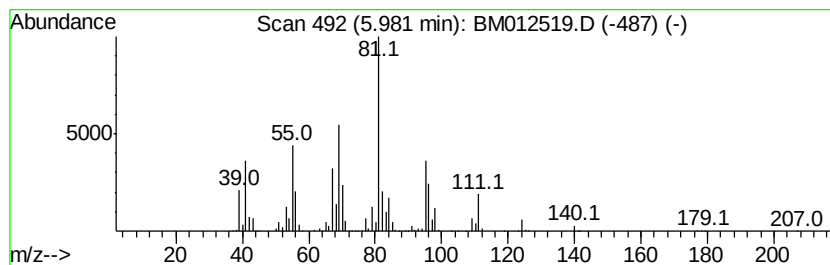
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 unknown-01 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	2.55 ng/ul	2255610	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	49
2			Pentane, 1-chloro-5-(methylenecy...	158	C9H15Cl	1000158-49-0	43
3			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	43
4			4-Ethylcyclohexene	110	C8H14	003742-42-5	43
5			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
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B-67(1.5-2.5) 101017

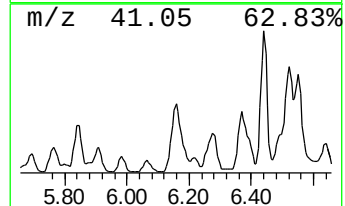
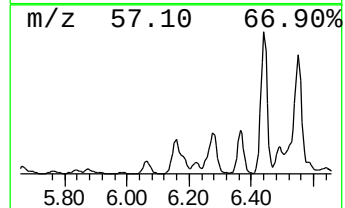
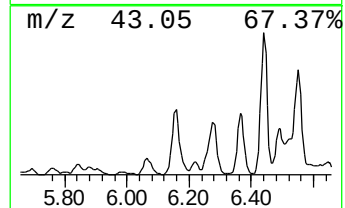
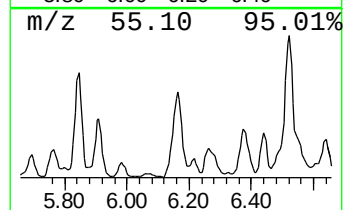
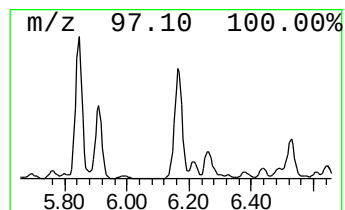
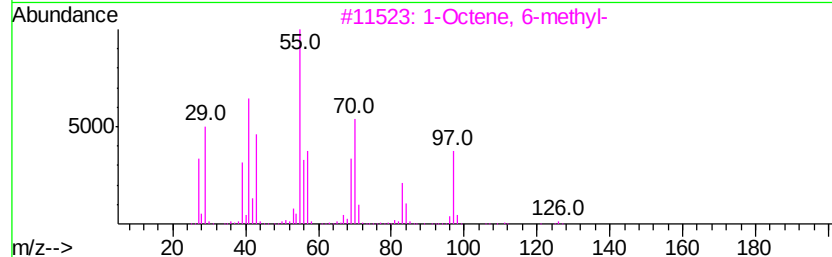
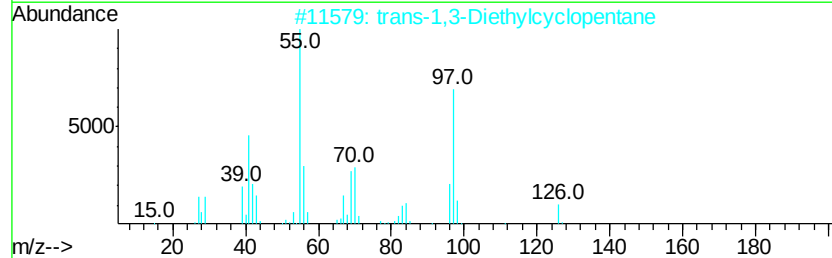
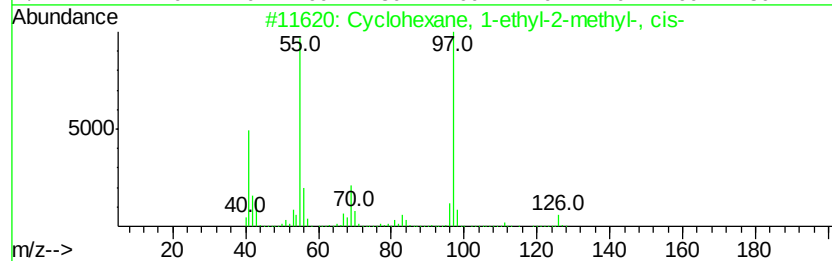
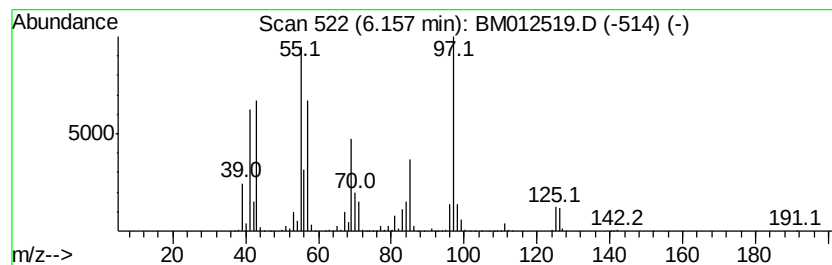
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 (DEL) Alkane: Cyclic6.16 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	12.05 ng/ul	10646000	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	76
2		trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	64
3		1-Octene, 6-methyl-	126	C9H18	013151-10-5	62
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
5		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
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Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

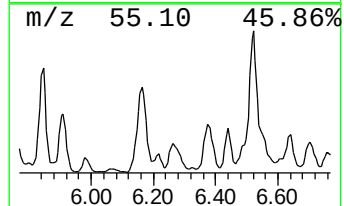
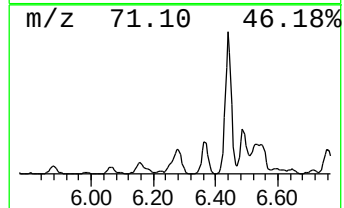
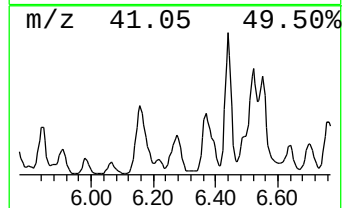
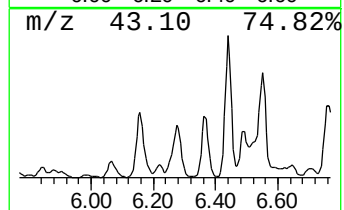
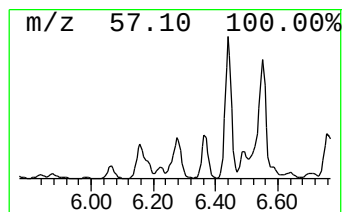
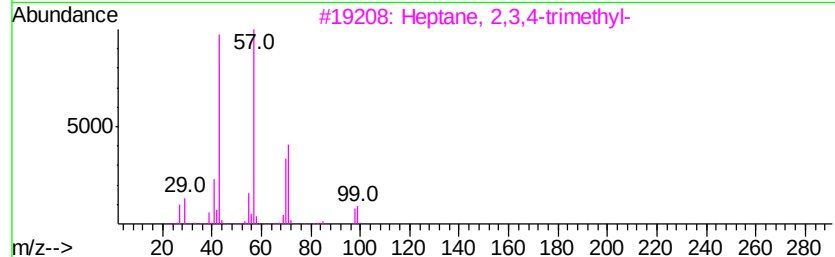
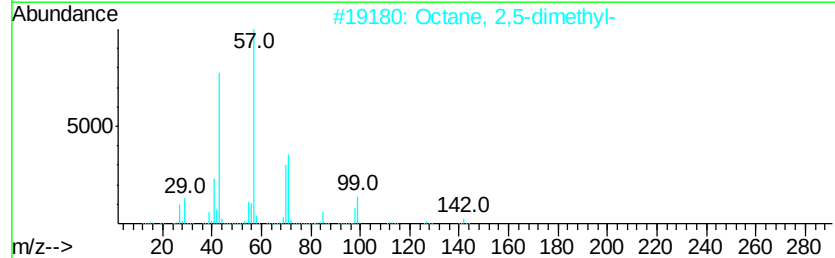
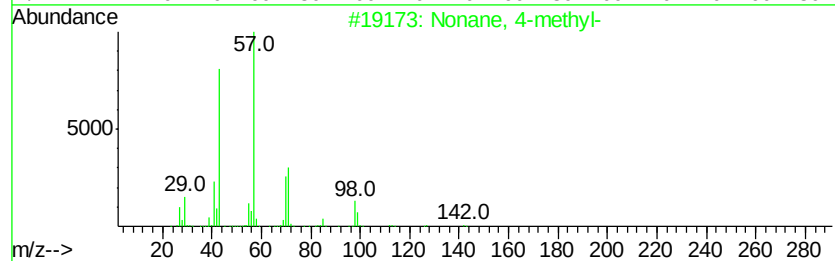
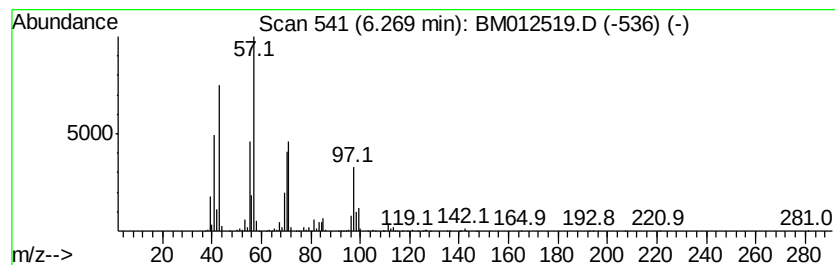
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	5.11 ng/ul	4513820	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	68
2			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
3			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
4			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
5			Nonane, 4-methyl-	142	C10H22	017301-94-9	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

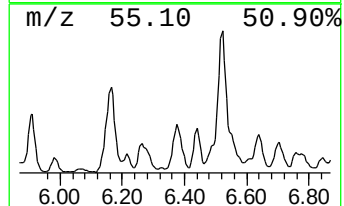
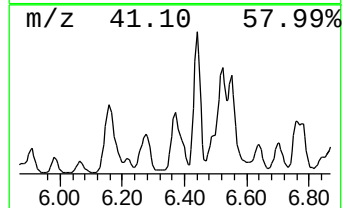
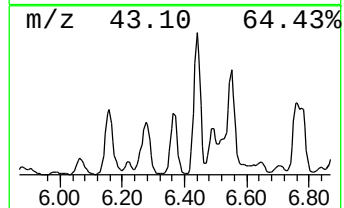
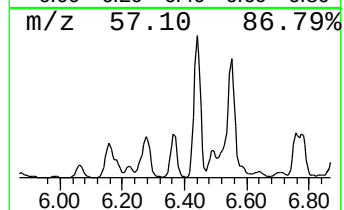
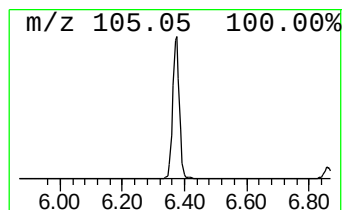
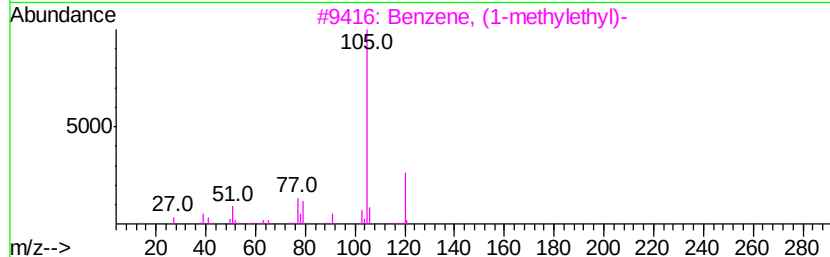
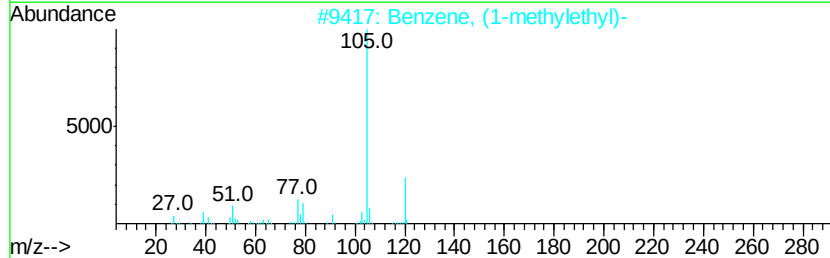
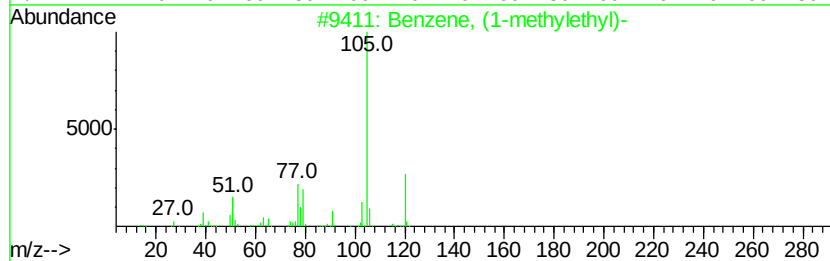
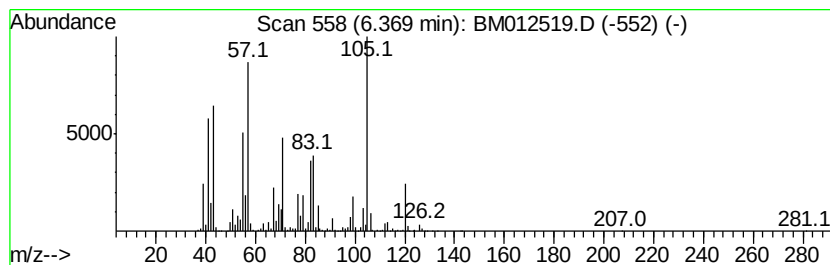
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	12.28 ng/ul	10850700	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	49
2		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
3		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	38
5		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
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Instrument :
BNA_M
ClientSampleId :
B-67(1.5-2.5) 101017

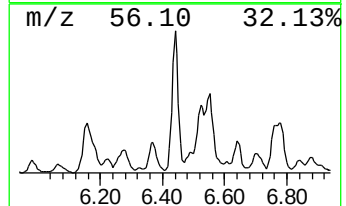
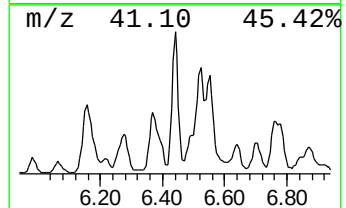
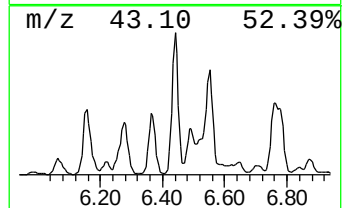
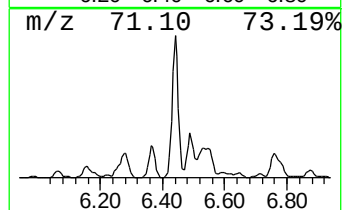
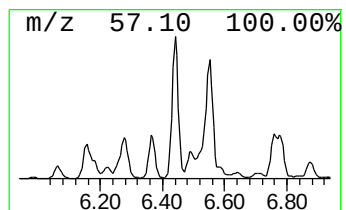
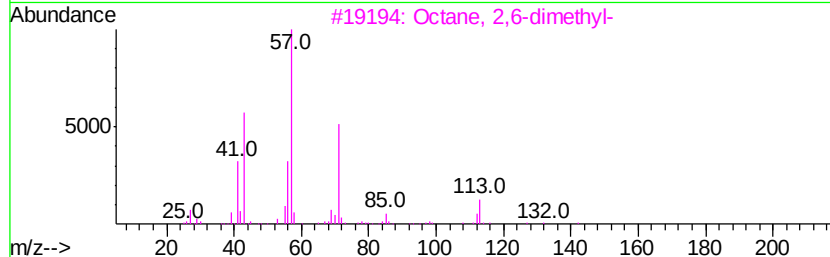
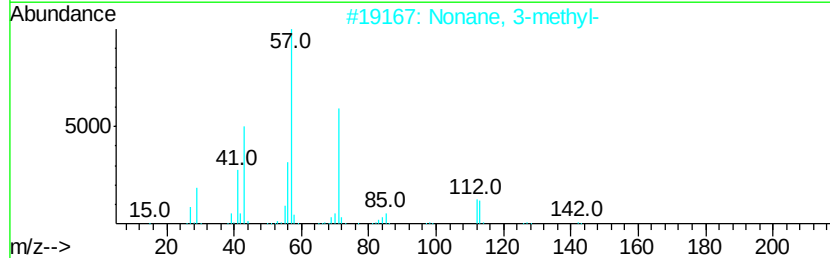
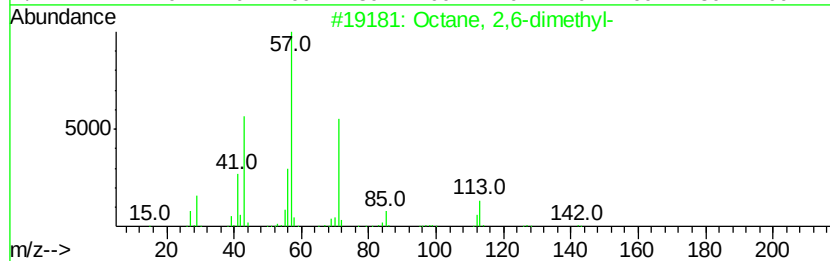
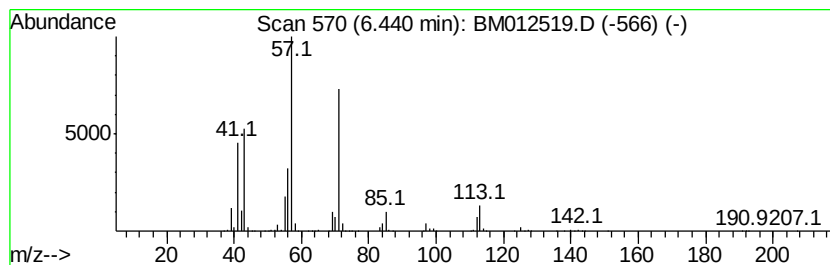
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	9.63 ng/ul	8509230	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
5			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

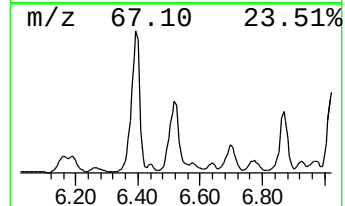
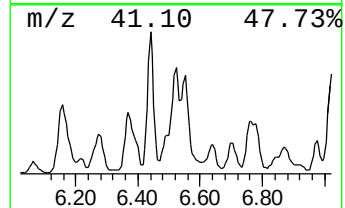
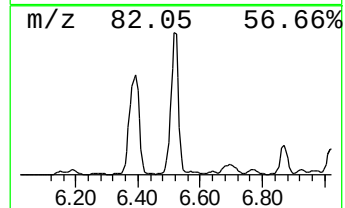
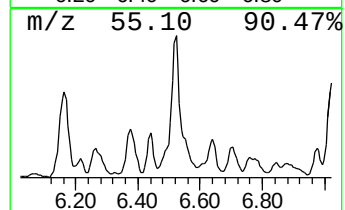
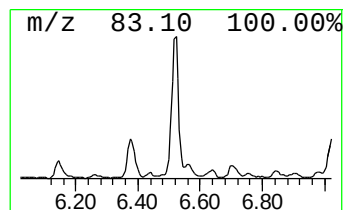
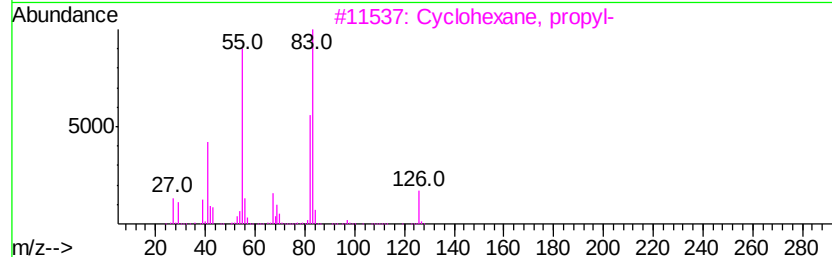
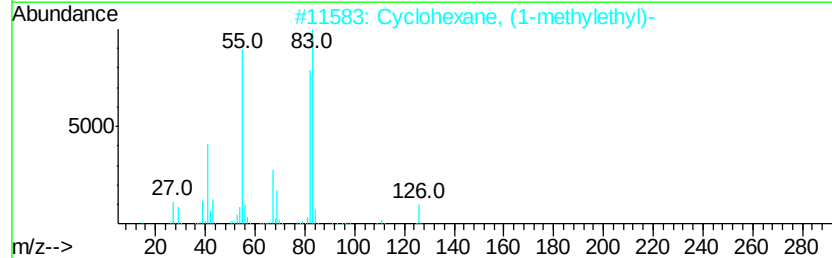
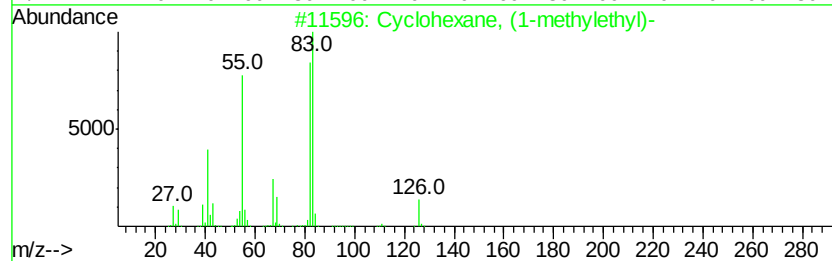
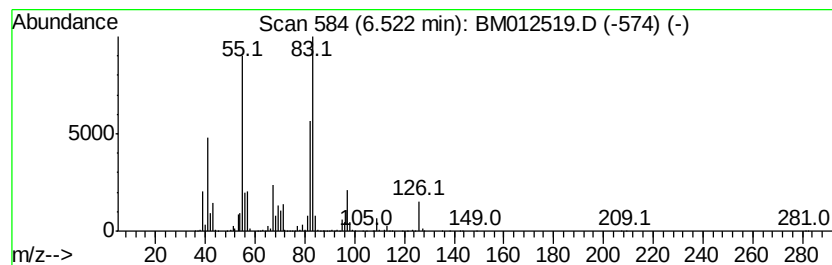
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Cyclic6.52 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	14.42 ng/ul	12738100	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	74
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	68
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	68



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
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ALS Vial : 43 Sample Multiplier: 1

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B-67(1.5-2.5) 101017

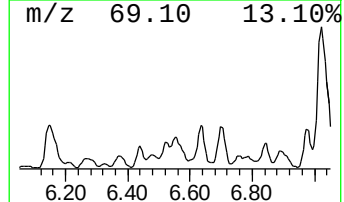
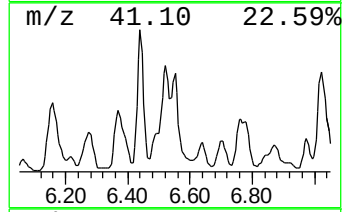
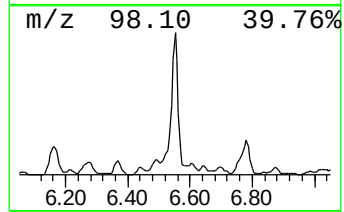
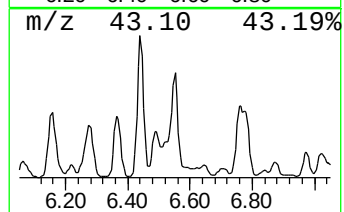
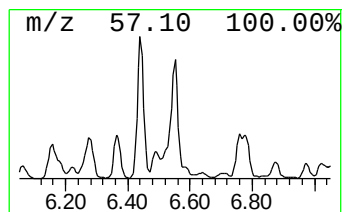
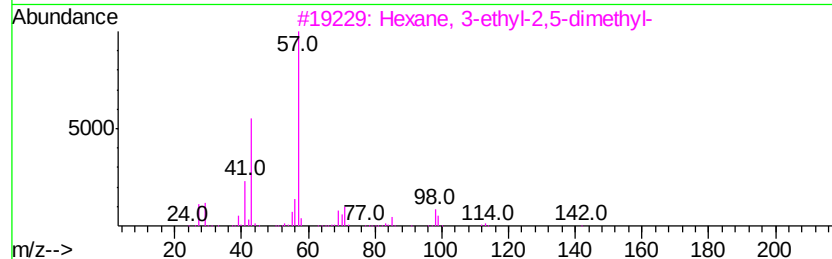
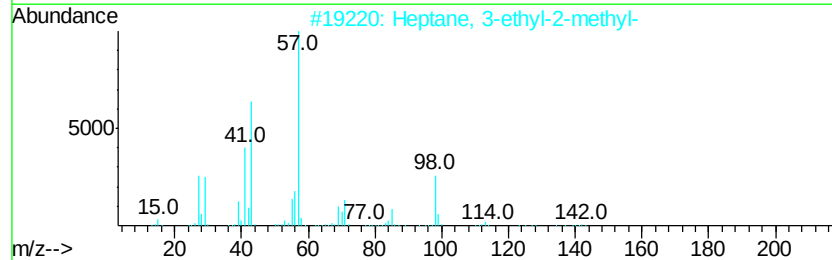
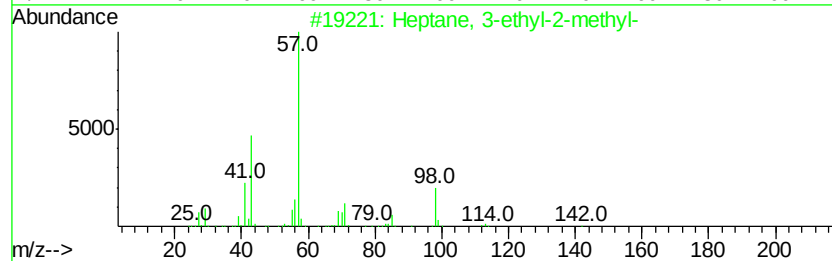
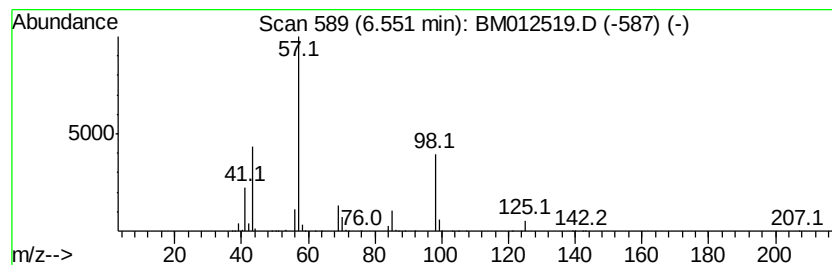
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	6.54 ng/ul	5781510	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	74
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	49
3			Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	47
4			1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11B03	1000063-89-2	45
5			Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

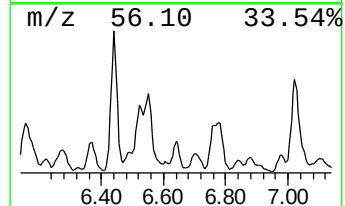
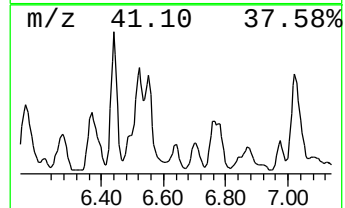
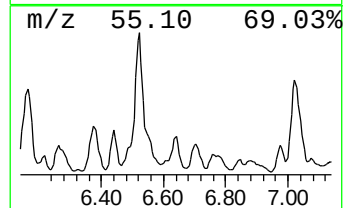
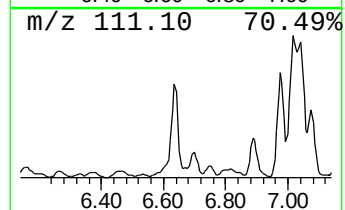
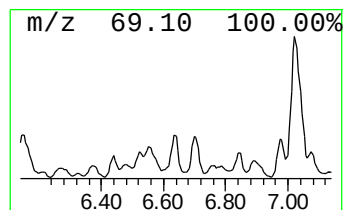
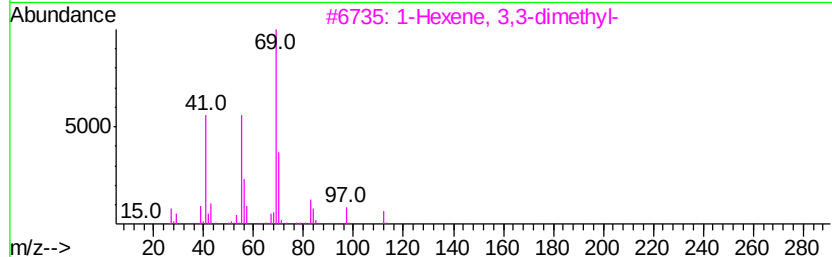
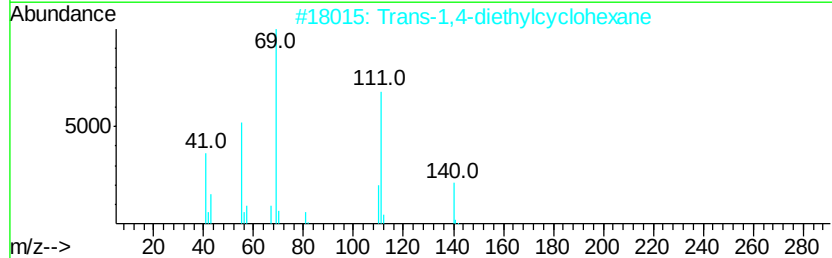
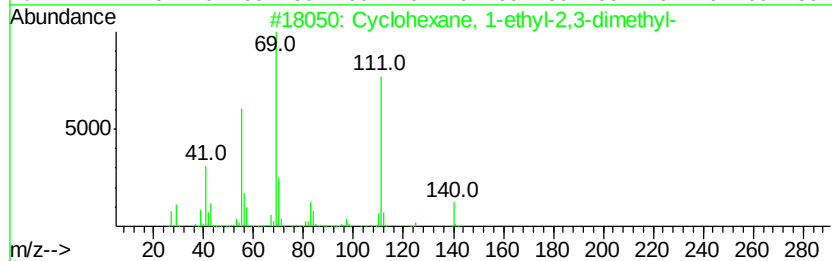
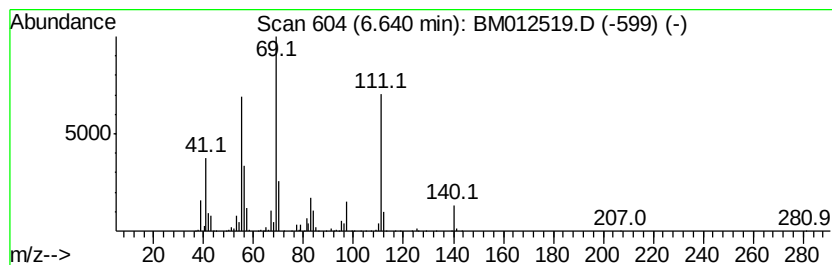
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Cyclic6.64 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	2.93 ng/ul	2591480	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
2		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	62
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	60
4		5-Decene, (E)-	140	C10H20	007433-56-9	51
5		3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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B-67(1.5-2.5) 101017

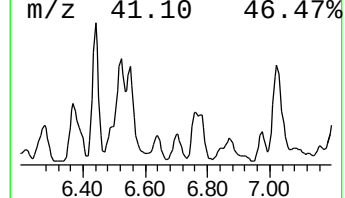
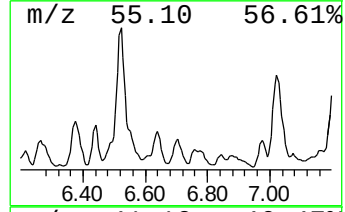
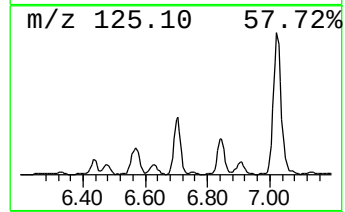
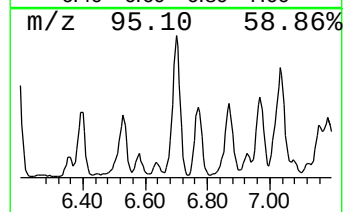
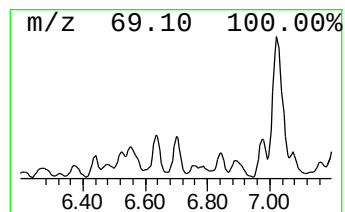
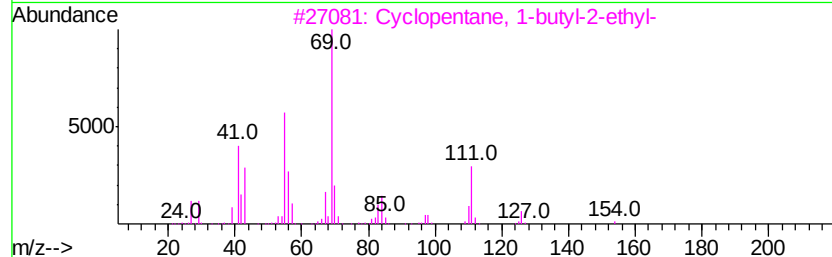
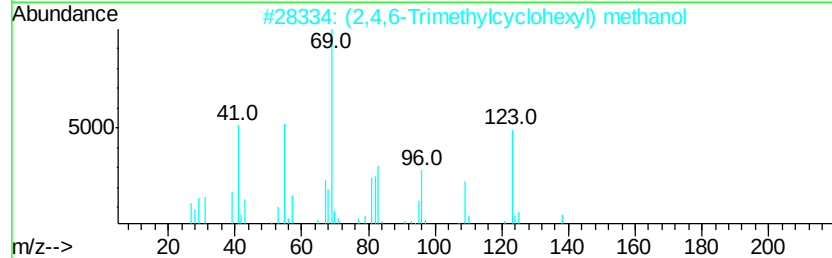
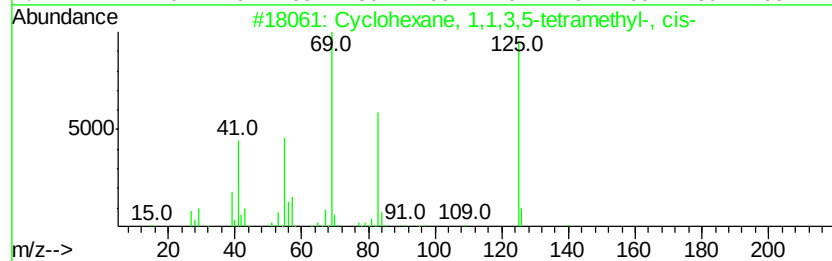
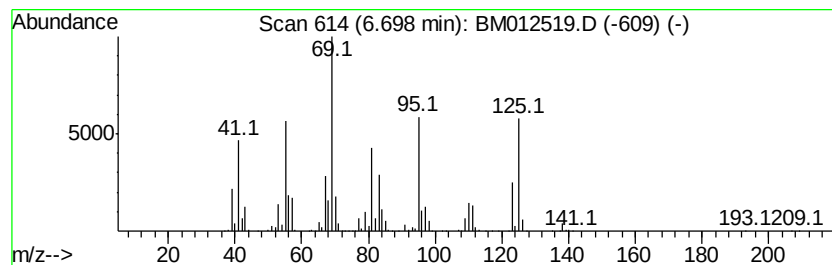
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Cyclic6.70 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	4.12 ng/ul	3643200	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	46
2		(2,4,6-Trimethylcyclohexyl) meth...	156	C10H20O	013702-56-2	43
3		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	35
4		Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	27
5		1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

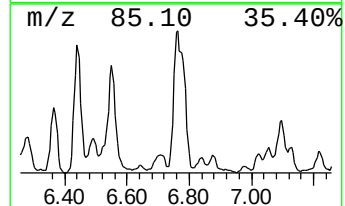
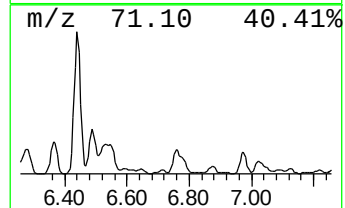
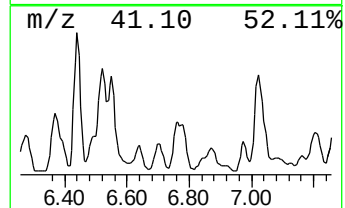
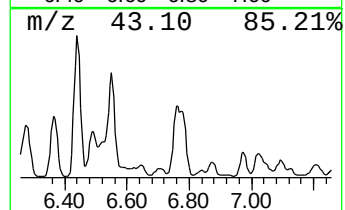
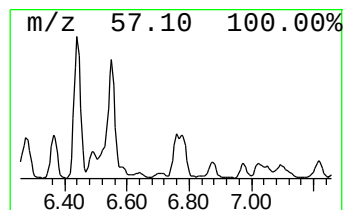
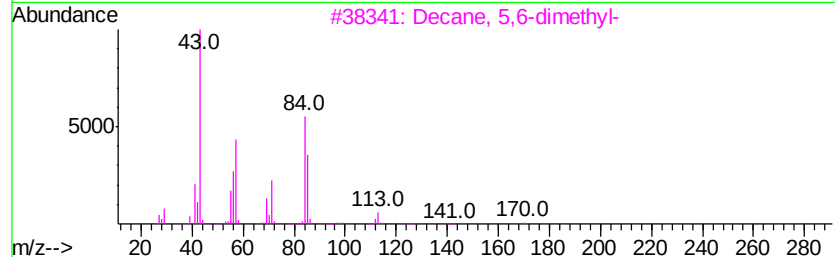
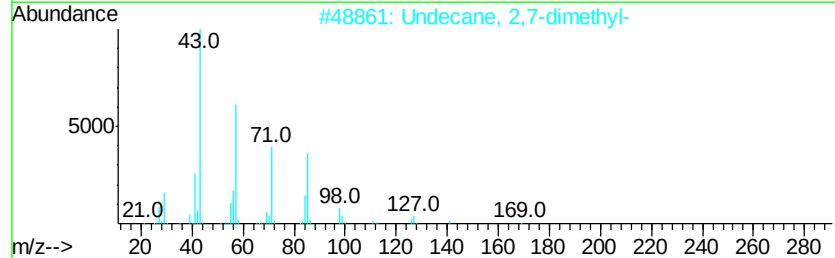
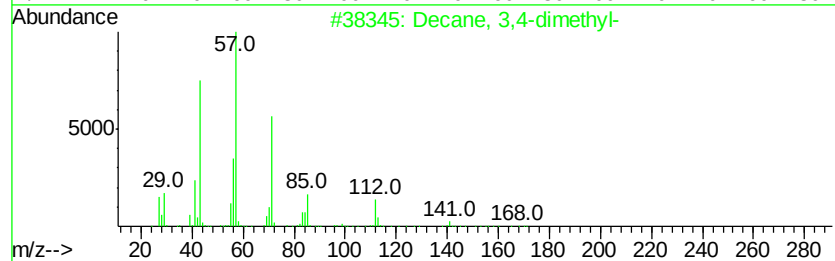
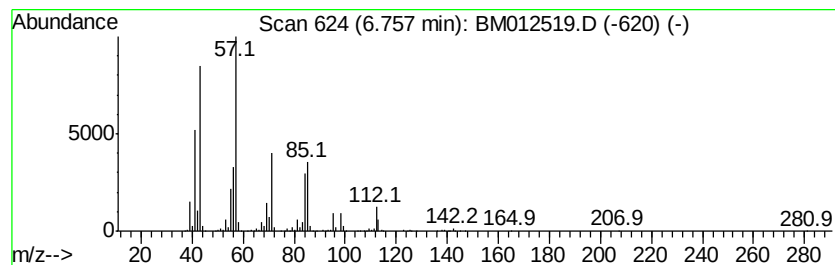
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	4.17 ng/ul	3687990	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	50
2		Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	43
3		Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	43
4		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	43
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
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Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

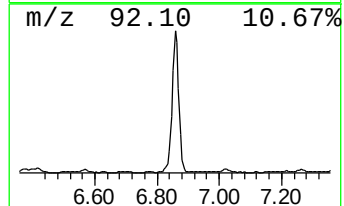
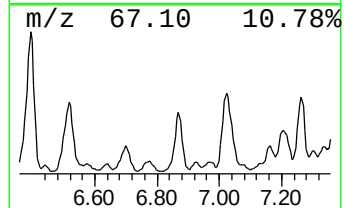
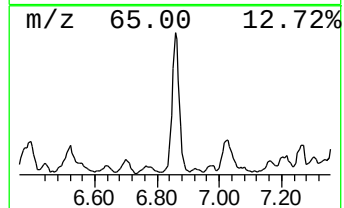
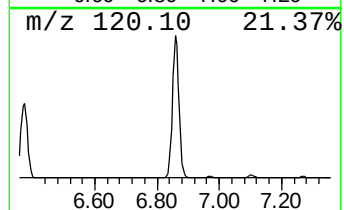
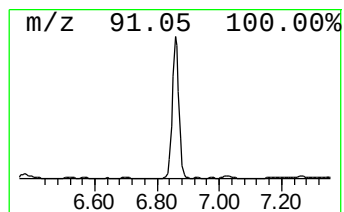
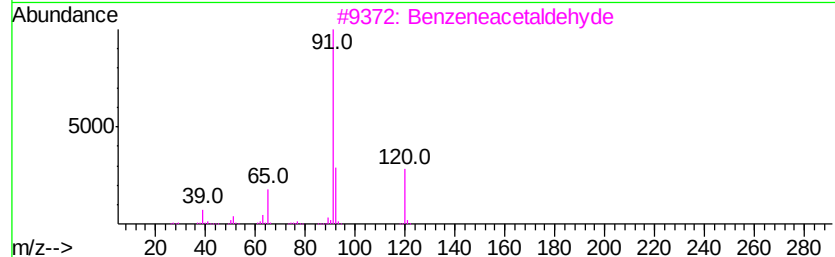
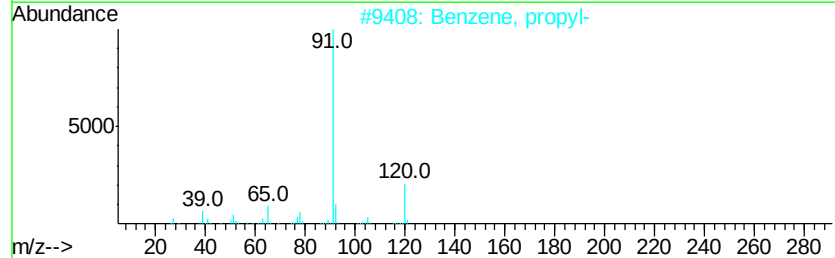
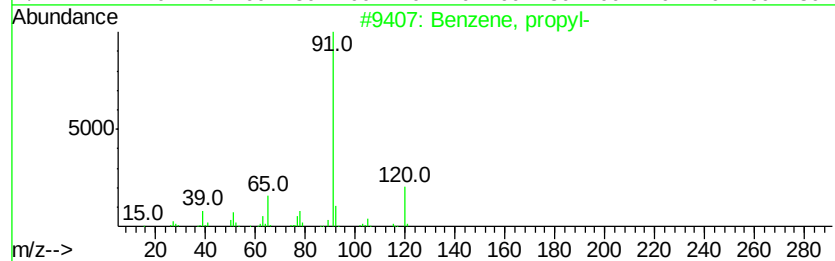
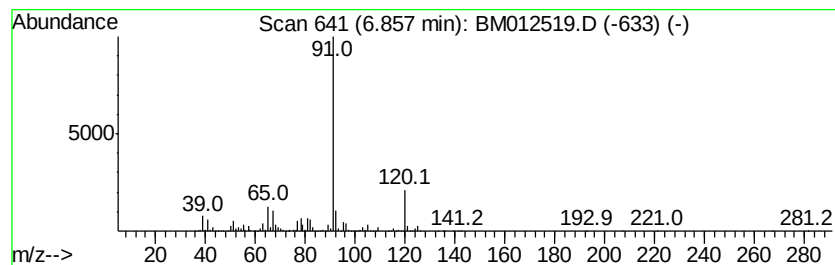
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	8.64 ng/ul	7636480	1,4-Dichlorobenzene-d4	7.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, propyl-	120	C9H12	000103-65-1	55
2		Benzene, propyl-	120	C9H12	000103-65-1	55
3		Benzeneacetaldehyde	120	C8H8O	000122-78-1	46
4		Benzene, propyl-	120	C9H12	000103-65-1	46
5		Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
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B-67(1.5-2.5) 101017

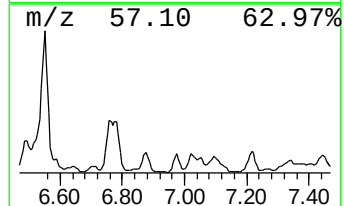
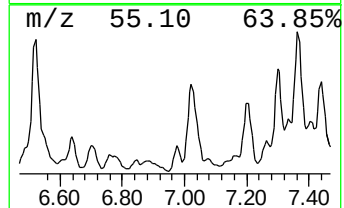
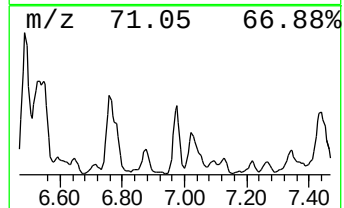
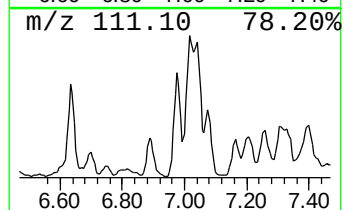
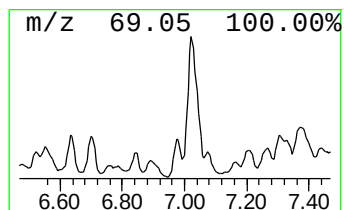
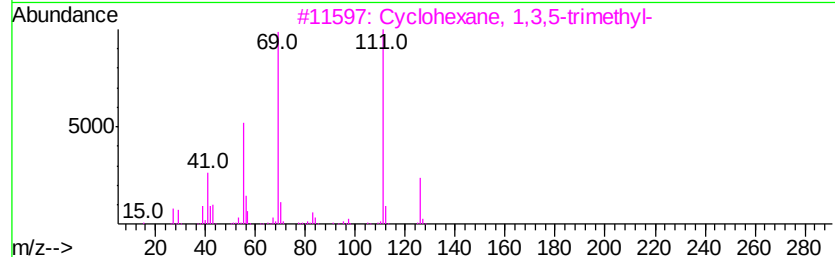
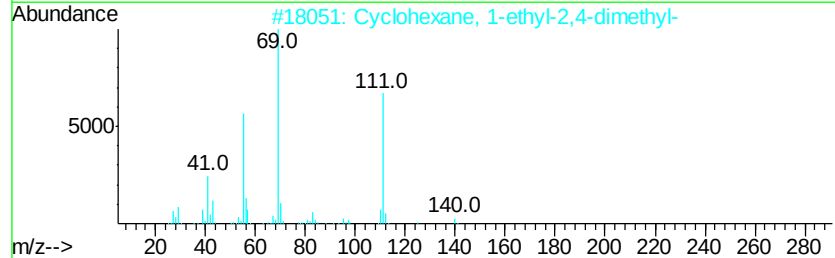
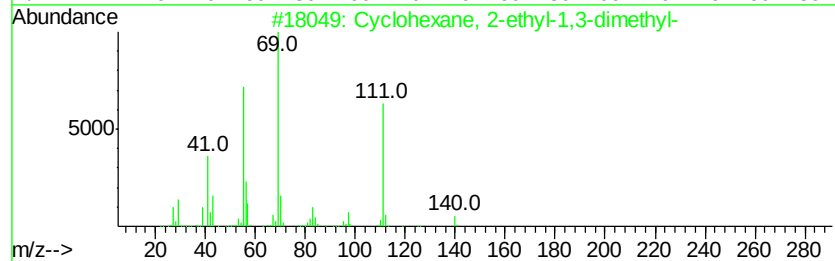
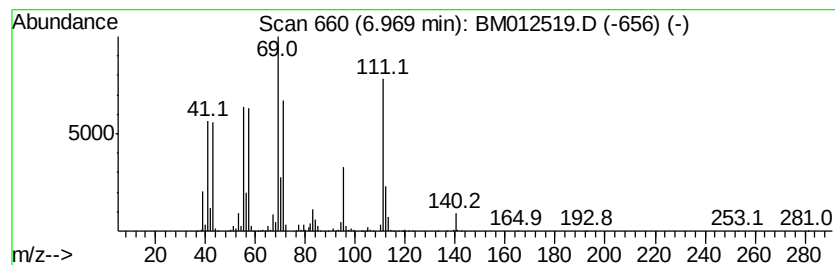
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Cyclic6.97 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	3.43 ng/ul	3031110	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	70
2		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	50
4		Cyclooctane, butyl-	168	C12H24	016538-93-5	50
5		2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
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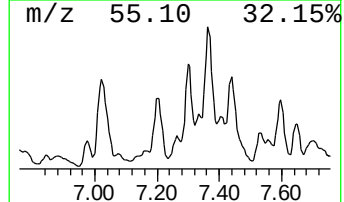
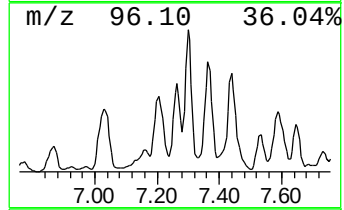
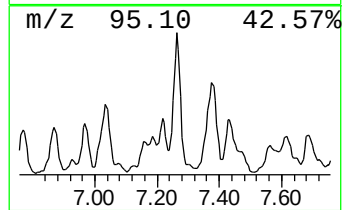
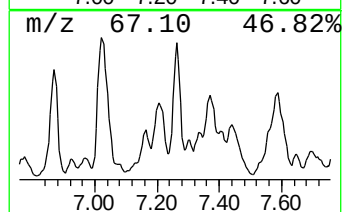
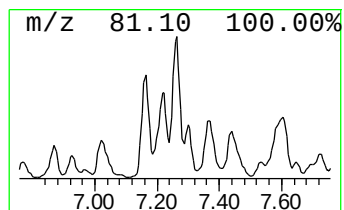
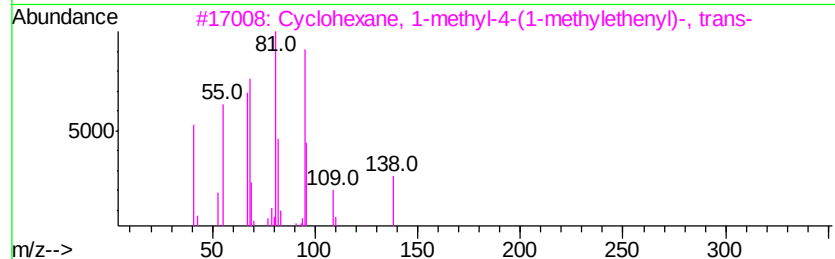
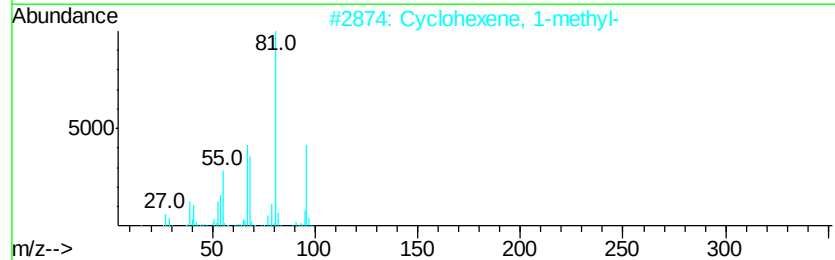
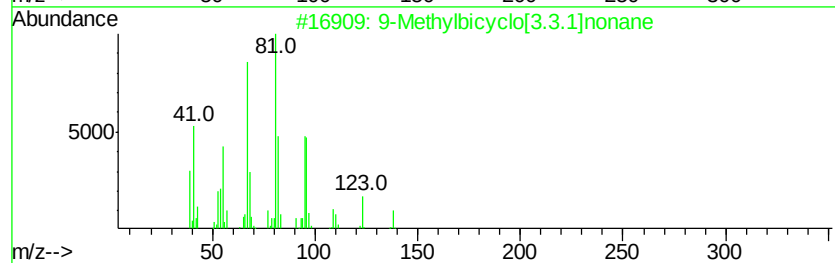
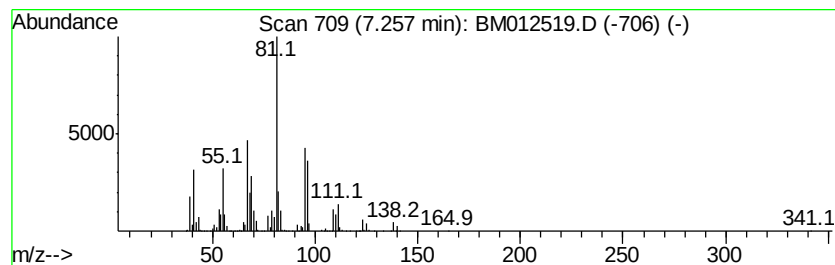
Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

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Quant Title : SVOA CALIBRATION

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

Peak Number 27 9-Methylbicyclo[3.3.1]nonane Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	5.56 ng/ul	4910570	1,4-Dichlorobenzene-d4	7.87
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9-Methylbicyclo[3.3.1]nonane	138 C10H18	025107-01-1	72
2	Cyclohexene, 1-methyl-	96 C7H12	000591-49-1	53
3	Cyclohexane, 1-methyl-4-(1-methyl-...	138 C10H18	001124-25-0	52
4	Cyclohexene, 1-butyl-	138 C10H18	003282-53-9	50
5	Cyclohexene, 1-methyl-	96 C7H12	000591-49-1	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
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B-67(1.5-2.5) 101017

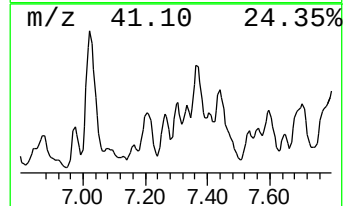
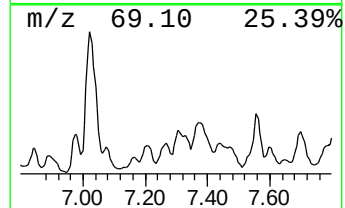
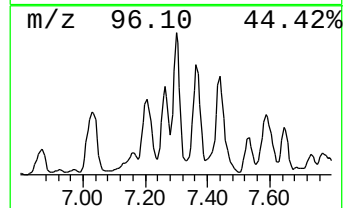
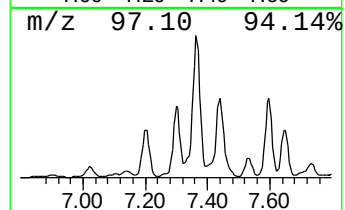
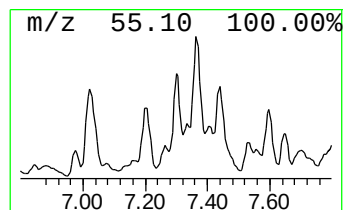
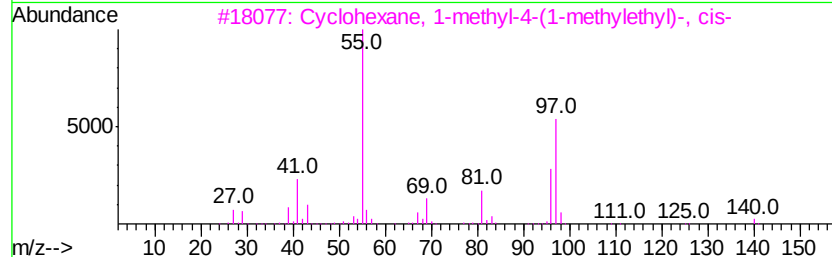
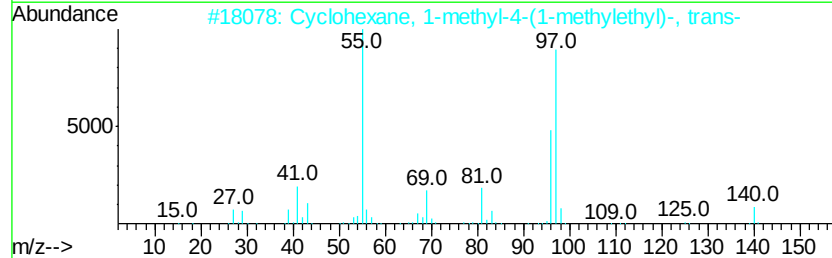
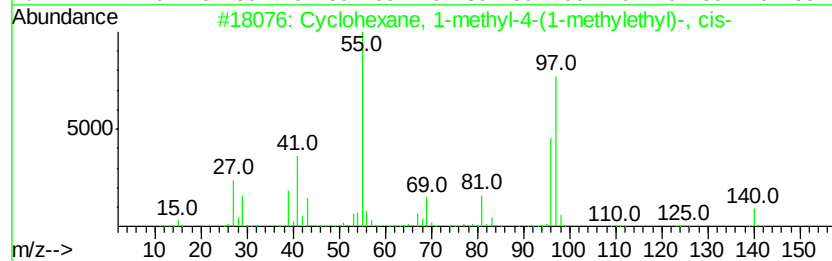
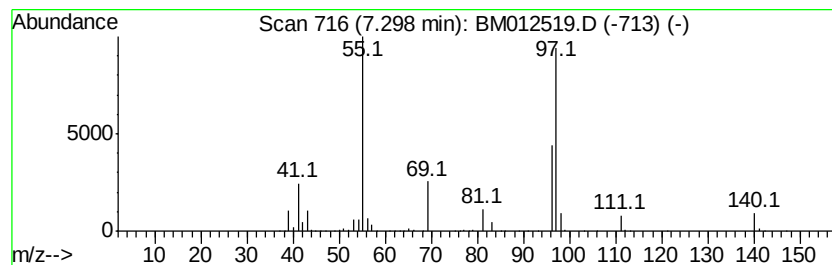
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 (DEL) Alkane: Cyclic7.30 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	5.35 ng/ul	4730910	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	86
2			Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	001678-82-6	86
3			Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	78
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	78
5			Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
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B-67(1.5-2.5) 101017

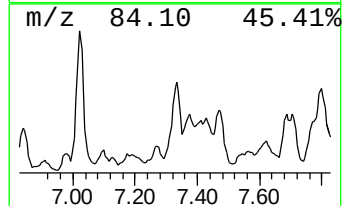
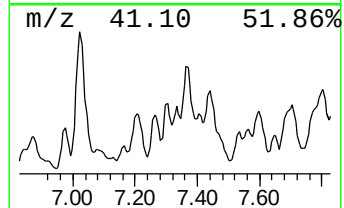
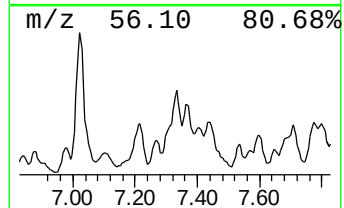
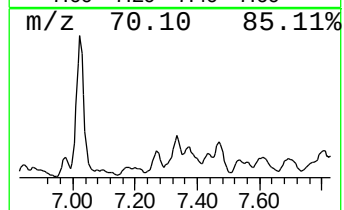
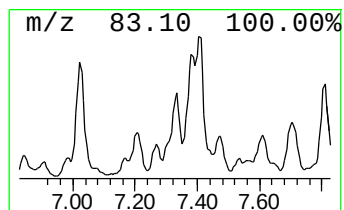
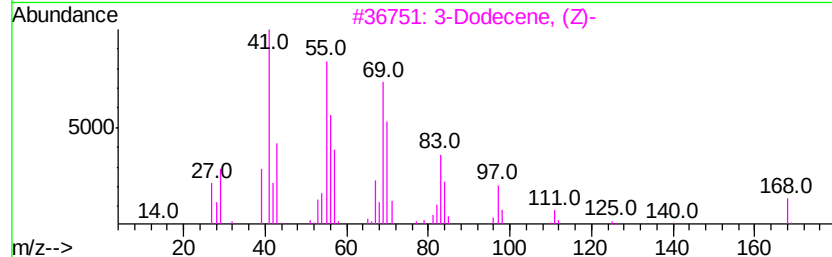
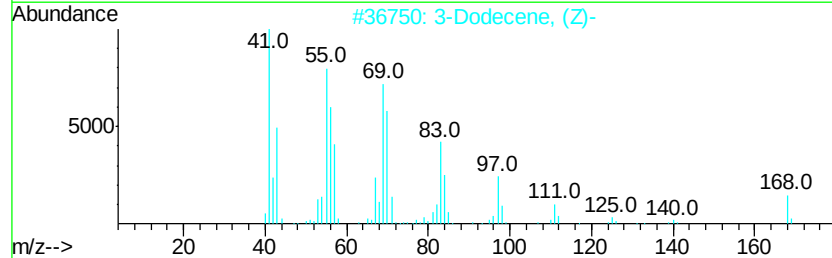
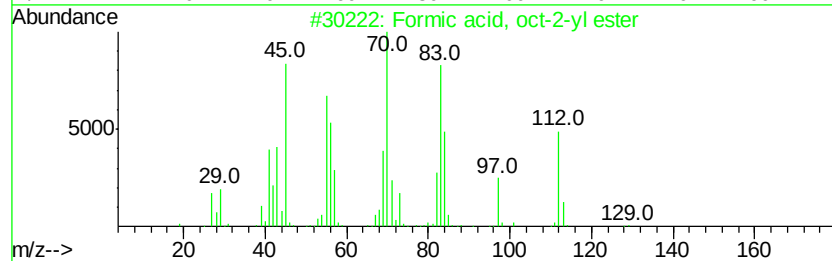
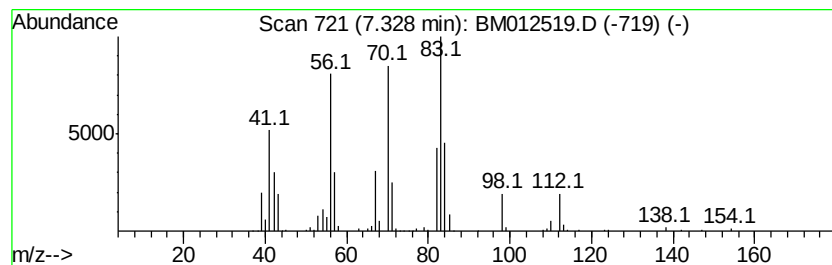
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Formic acid, oct-2-yl ester Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	4.02 ng/ul	3553650	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Formic acid, oct-2-yl ester	158	C9H18O2	1000368-94-5	50
2			3-Dodecene, (Z)-	168	C12H24	007239-23-8	50
3			3-Dodecene, (Z)-	168	C12H24	007239-23-8	50
4			3-Tridecene, (E)-	182	C13H26	041446-57-5	45
5			Octane, 4-chloro-	148	C8H17Cl	000999-07-5	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
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B-67(1.5-2.5) 101017

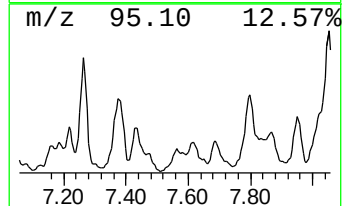
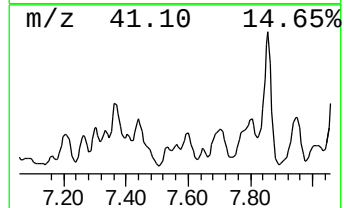
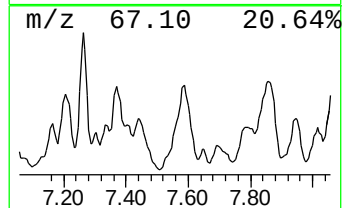
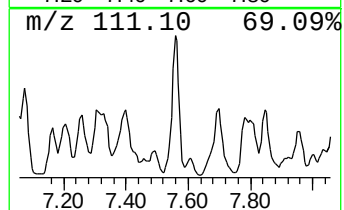
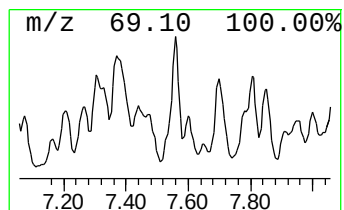
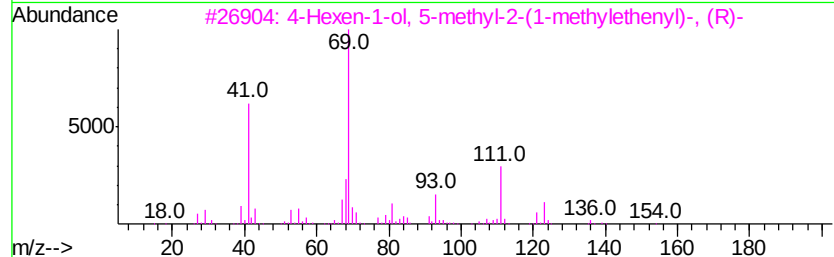
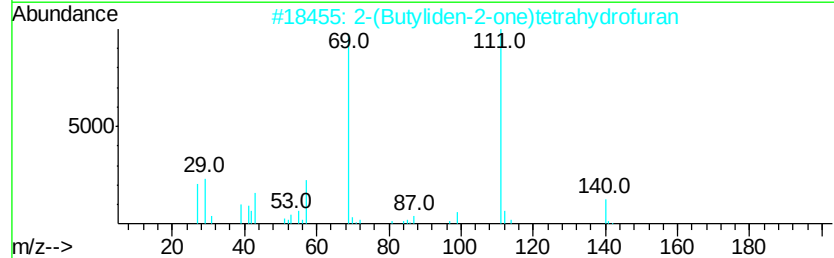
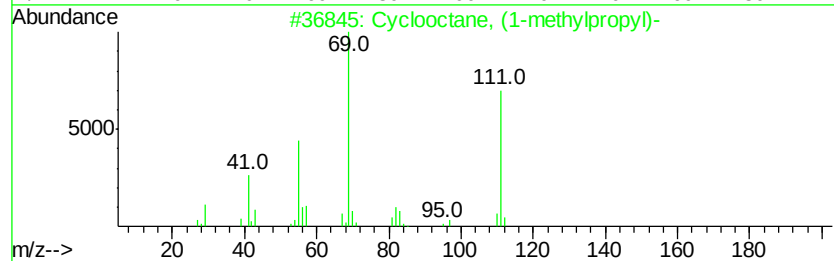
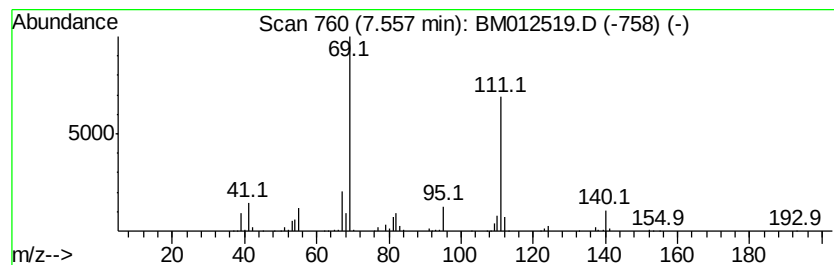
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Cyclic7.56 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	2.48 ng/ul	2193880	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53
2		2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	53
3		4-Hexen-1-ol, 5-methyl-2-(1-meth...	154	C10H18O	000498-16-8	50
4		Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	45
5		Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

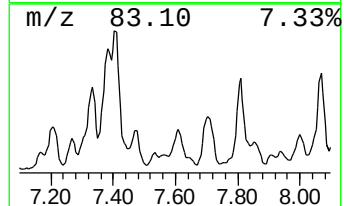
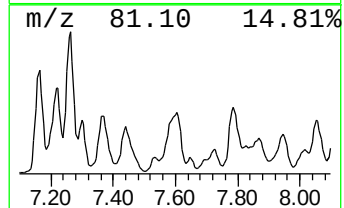
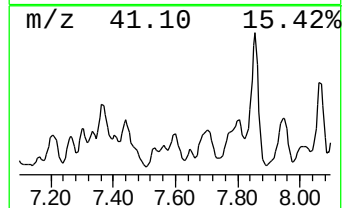
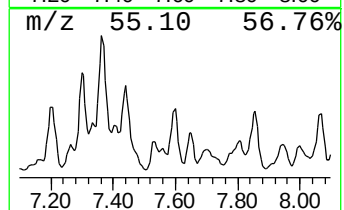
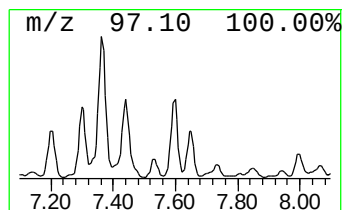
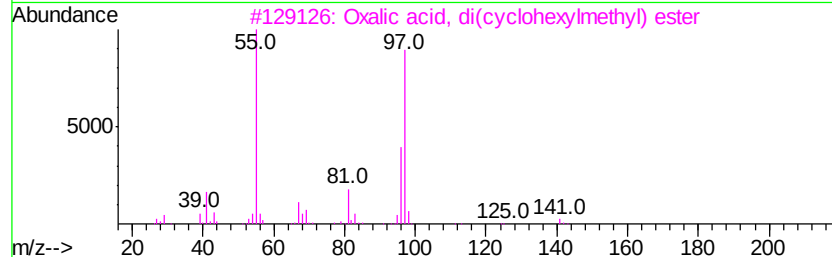
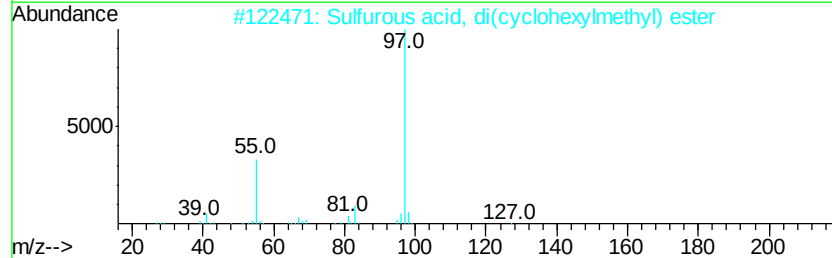
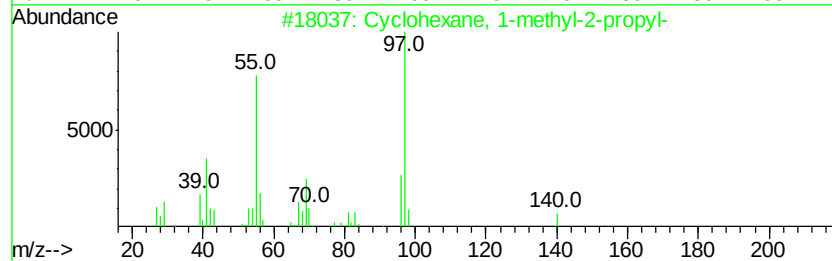
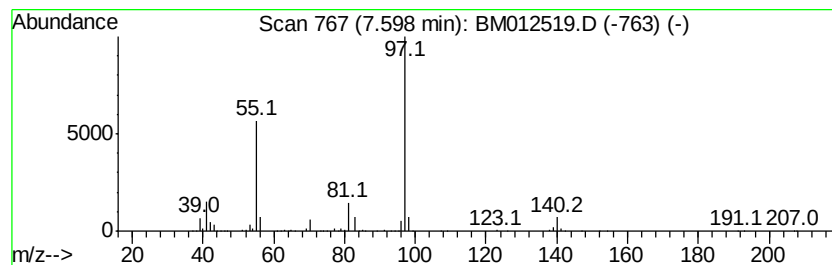
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ClientSampleId :
B-67(1.5-2.5) 101017

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 (DEL) Alkane: Cyclic7.60 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.60	5.75 ng/ul	5080360	1,4-Dichlorobenzene-d4	7.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2		Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	64
3		Oxalic acid, di(cyclohexylmethvl...	282	C16H26O4	1000309-68-5	56
4		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
5		2-Pyrazoline, 1-isobutyl-3-methyl-	140	C8H16N2	026964-53-4	45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
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ClientSampleId :
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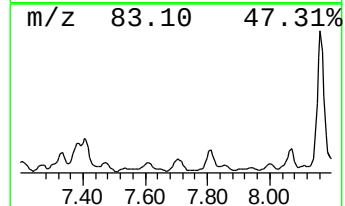
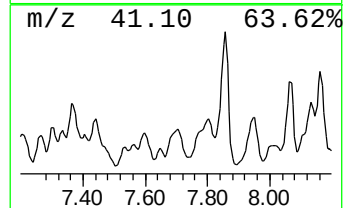
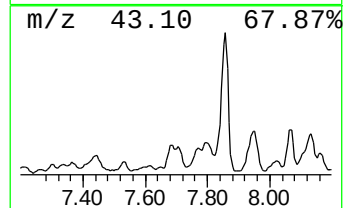
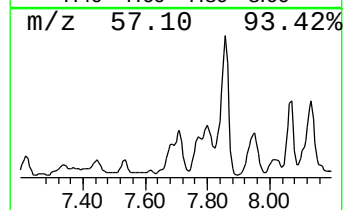
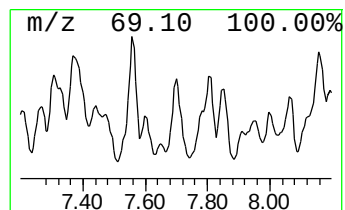
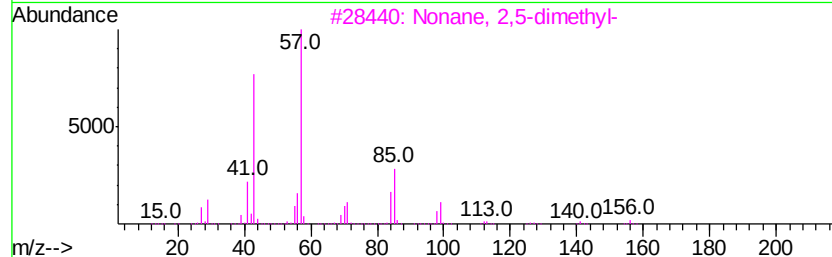
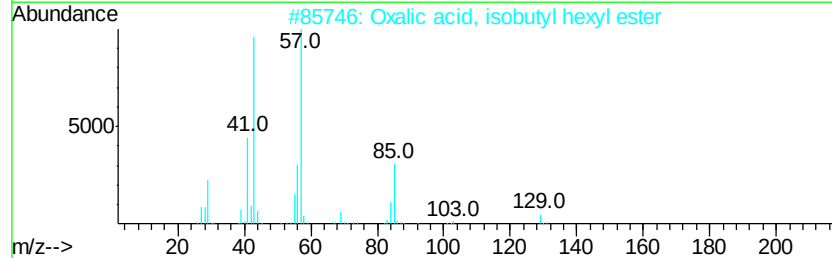
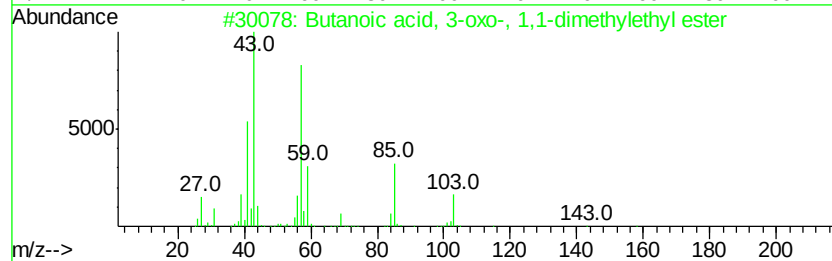
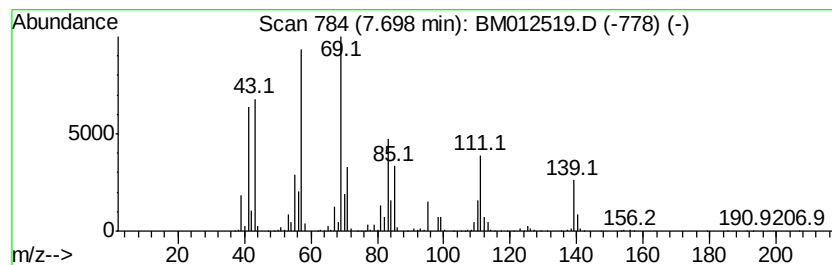
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	6.67 ng/ul	5890410	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 3-oxo-, 1,1-dimet...	158	C8H14O3	001694-31-1	27
2			Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	27
3			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	27
4			2H-Pyran, 2-(1,1-dimethylethoxy)...	158	C9H18O2	001927-69-1	22
5			Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	22



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
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B-67(1.5-2.5) 101017

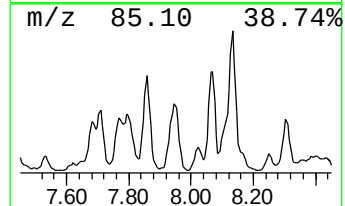
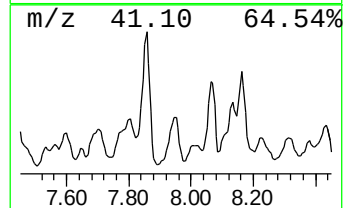
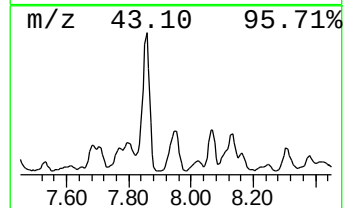
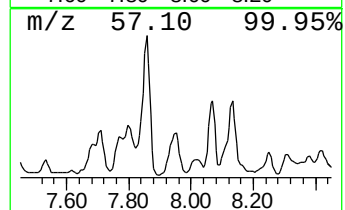
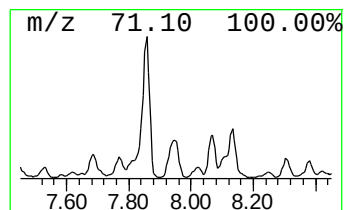
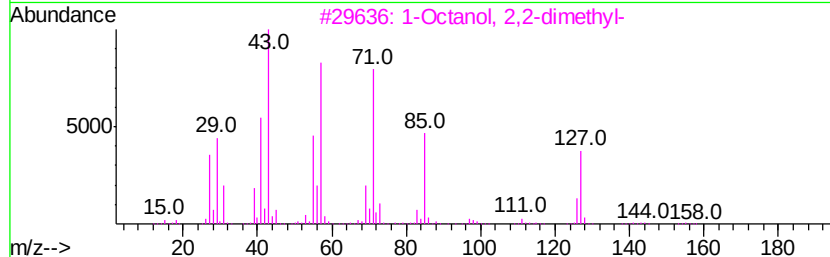
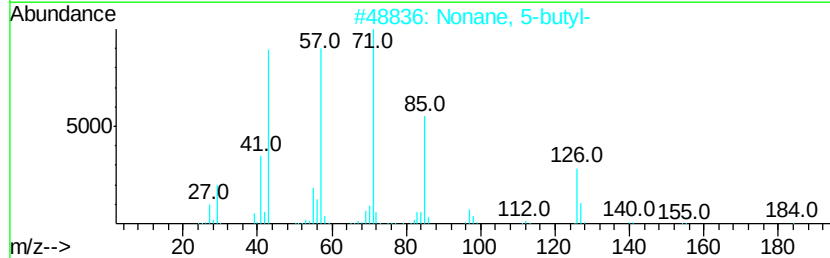
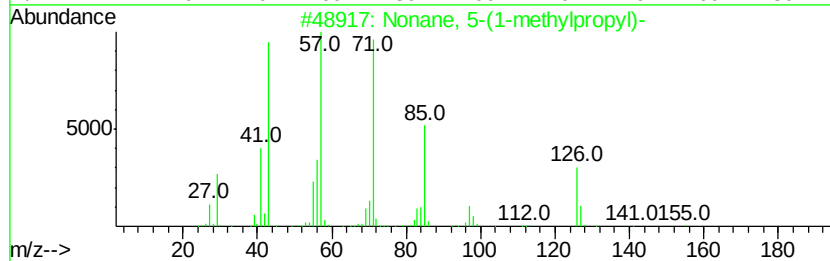
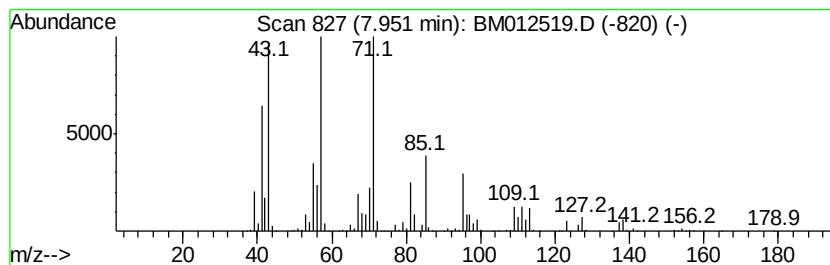
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	7.00 ng/ul	6182020	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	64
2			Nonane, 5-butyl-	184	C13H28	017312-63-9	53
3			1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	50
4			Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	50
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
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B-67(1.5-2.5) 101017

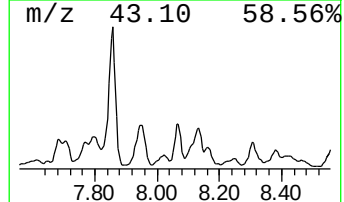
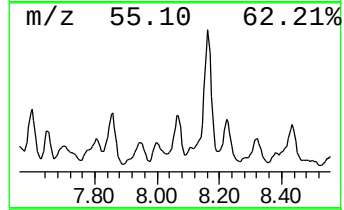
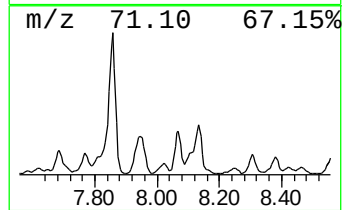
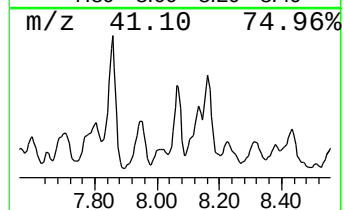
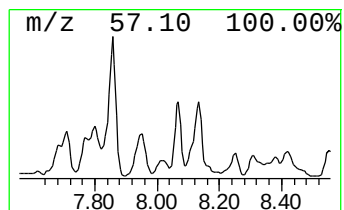
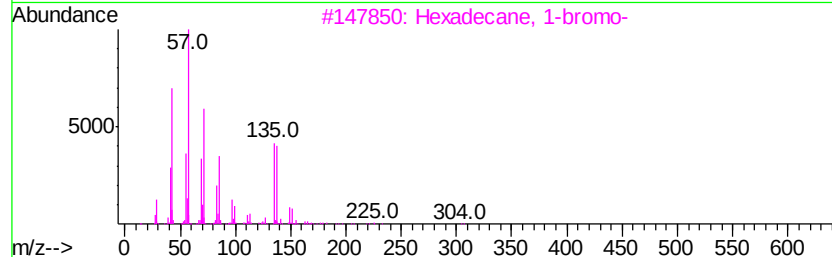
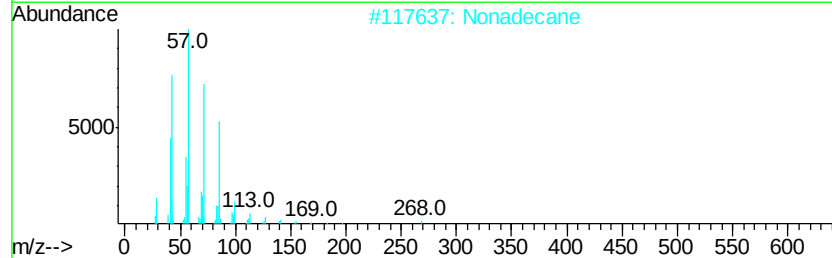
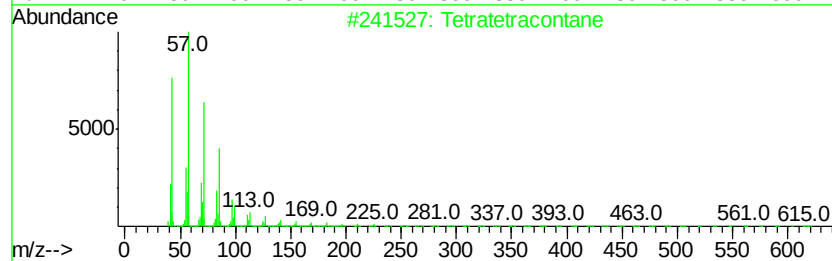
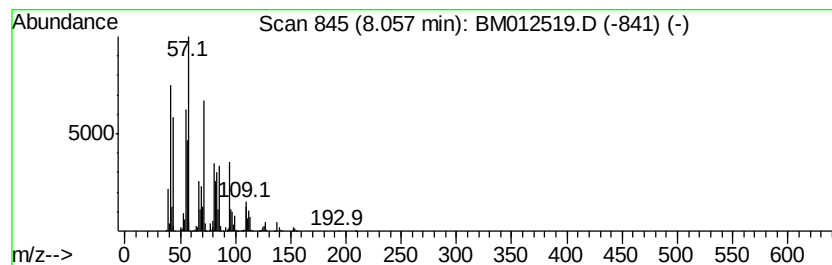
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	10.12 ng/ul	8939030	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratetracontane	619	C44H90	007098-22-8	43
2		Nonadecane	268	C19H40	000629-92-5	38
3		Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	35
4		Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	35
5		Hexadecane	226	C16H34	000544-76-3	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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ALS Vial : 43 Sample Multiplier: 1

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B-67(1.5-2.5) 101017

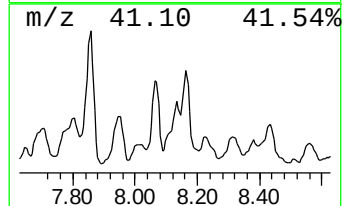
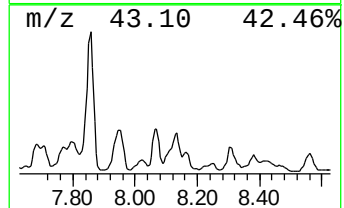
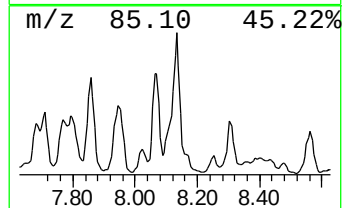
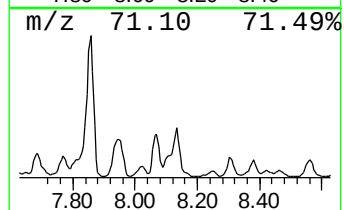
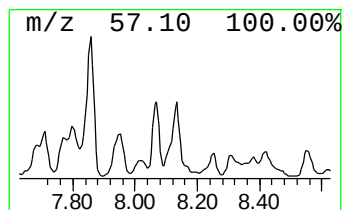
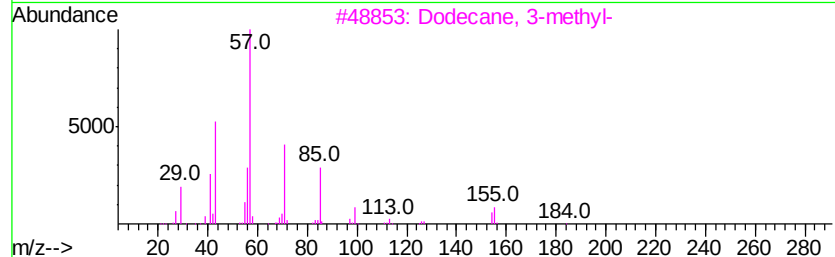
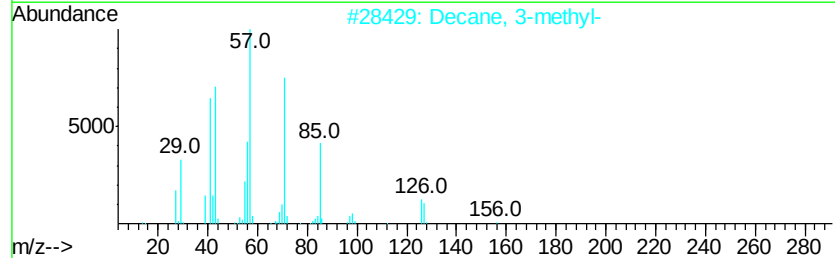
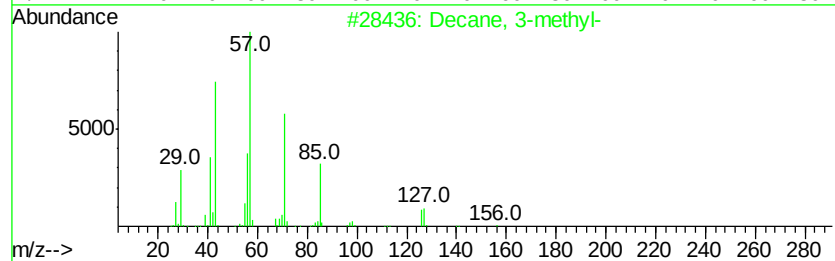
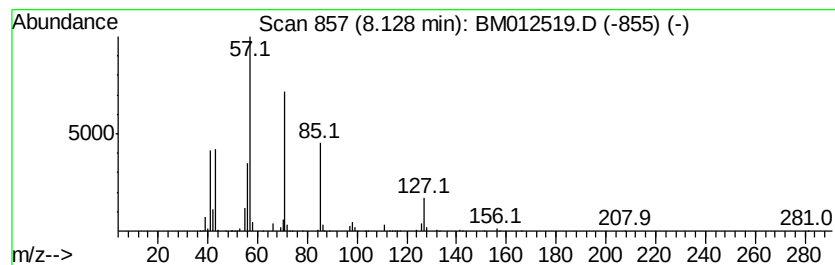
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	6.09 ng/ul	5384220	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	64
2			Decane, 3-methyl-	156	C11H24	013151-34-3	62
3			Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
4			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
5			Hexadecane	226	C16H34	000544-76-3	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
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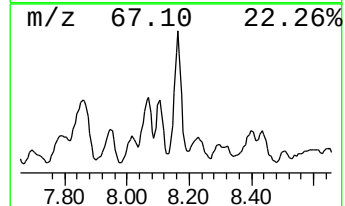
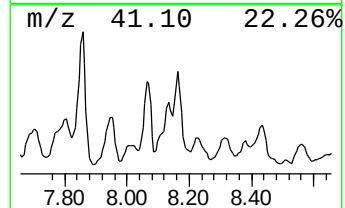
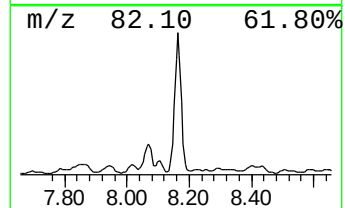
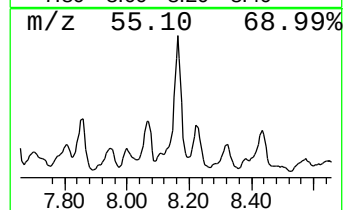
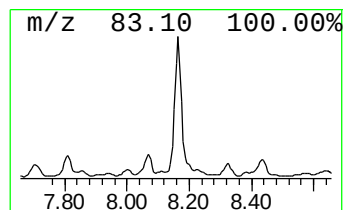
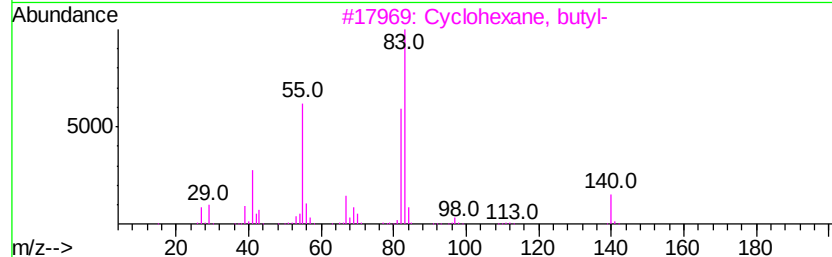
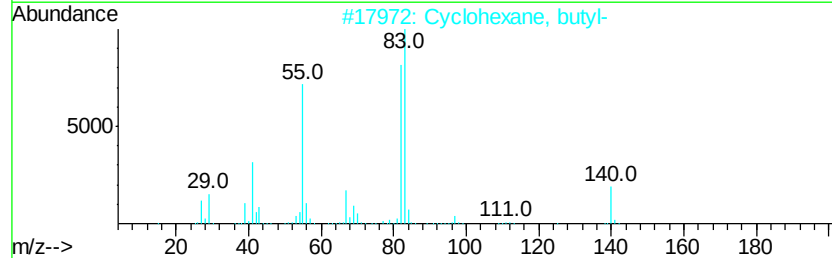
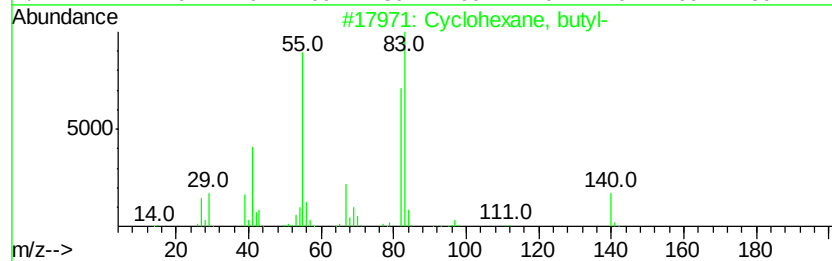
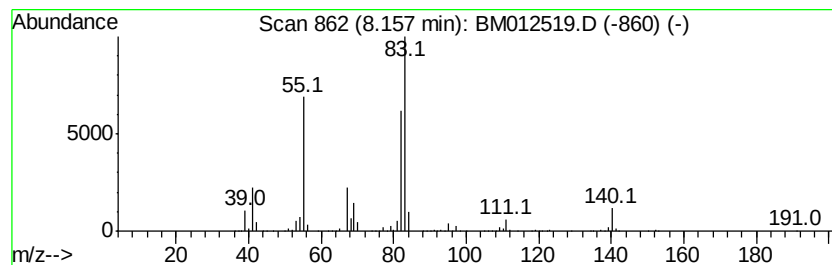
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 (DEL) Alkane: Cyclic8.16 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	13.05 ng/ul	11534800	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	90
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-67(1.5-2.5) 101017

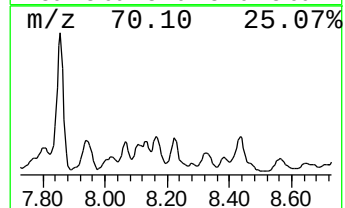
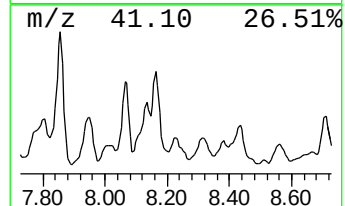
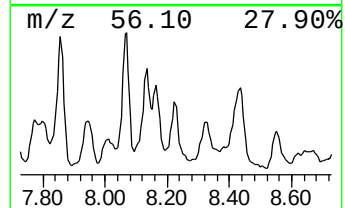
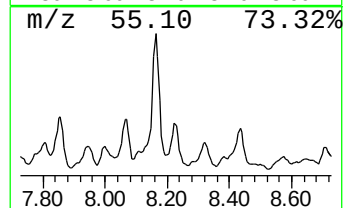
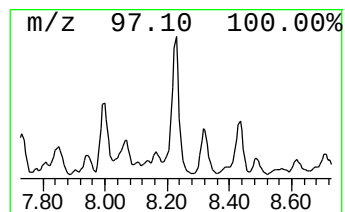
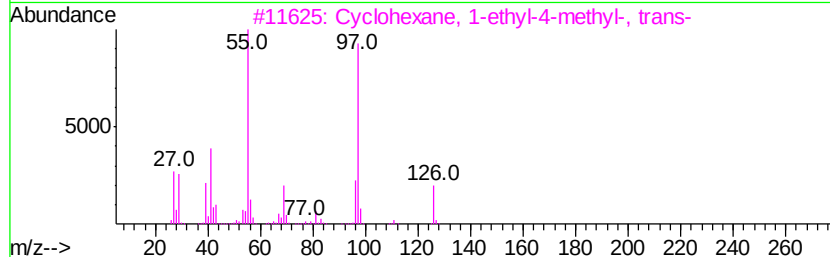
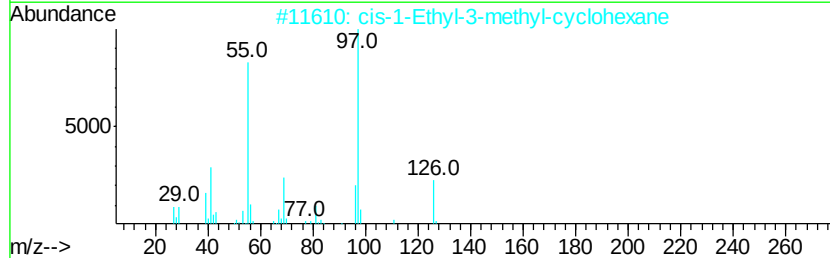
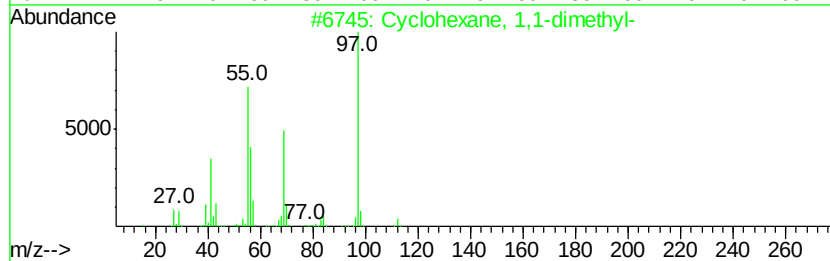
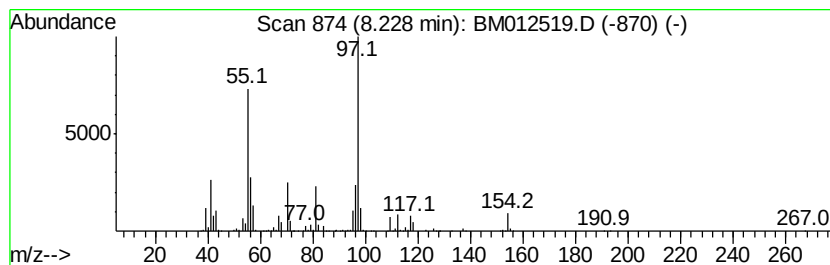
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 41 (DEL) Alkane: Cyclic8.23 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	5.59 ng/ul	4936740	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-67(1.5-2.5) 101017

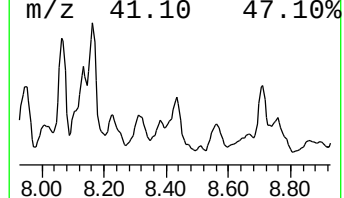
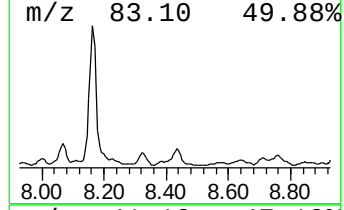
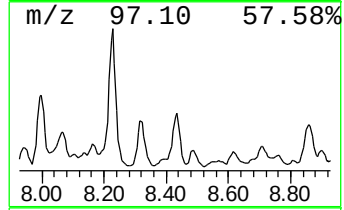
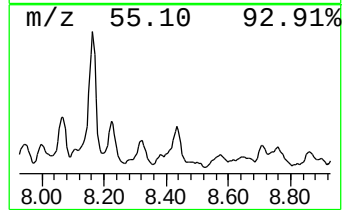
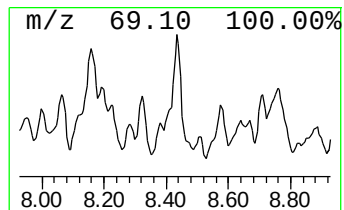
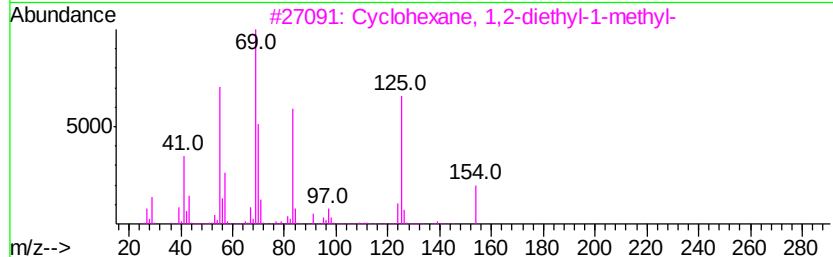
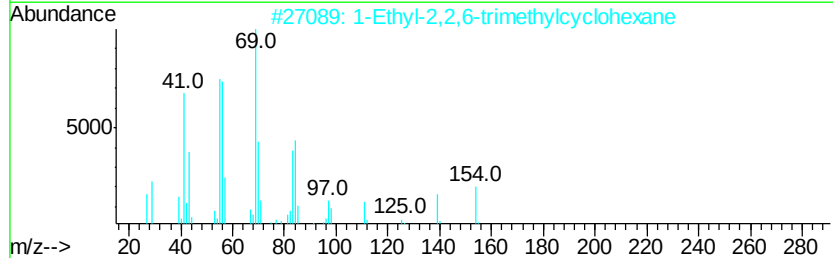
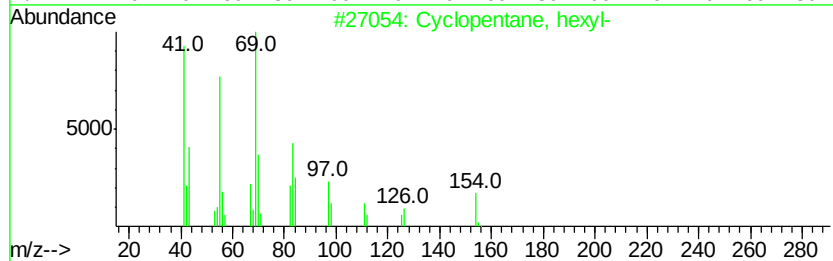
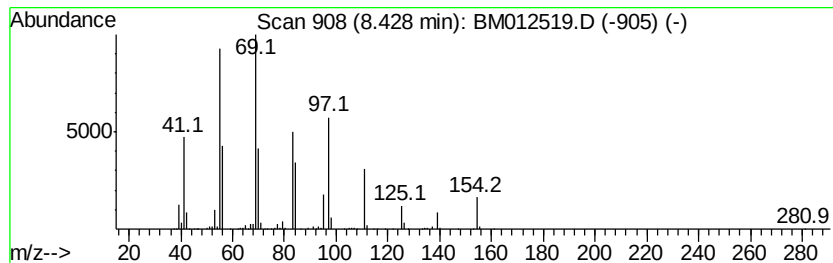
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Quant Title : SVOA CALIBRATION

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	6.14 ng/ul	5421630	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, hexyl-	154	C11H22	004457-00-5	72
2		1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	50
3		Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	47
4		5-Undecene	154	C11H22	004941-53-1	42
5		Cyclopentanecarboxylic acid, 4-n...	235	C12H13NO4	1000307-58-0	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012519.D
Acq On : 28 Oct 2017 11:26
Operator : SJ/JU
Sample : I5786-13 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-67(1.5-2.5) 101017

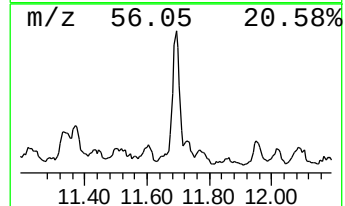
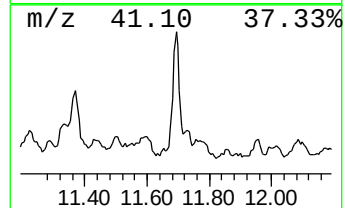
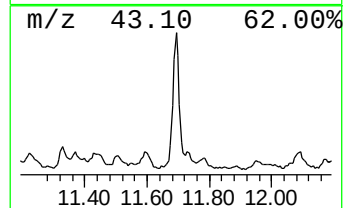
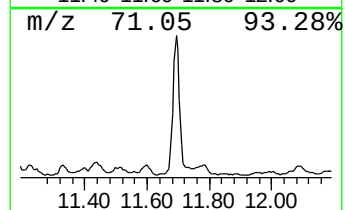
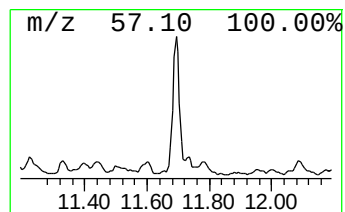
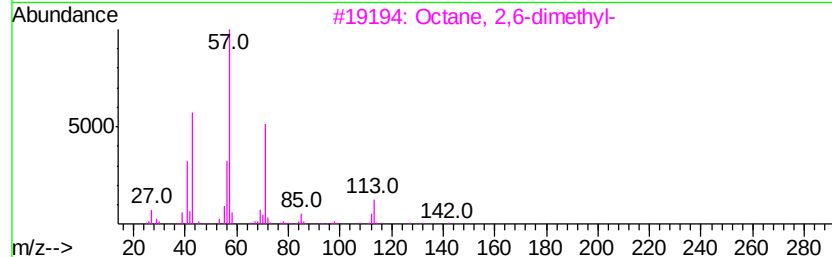
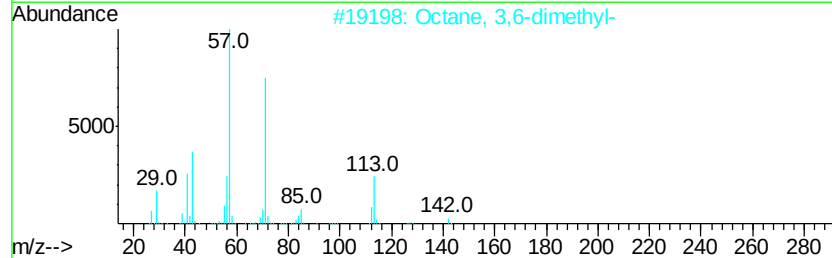
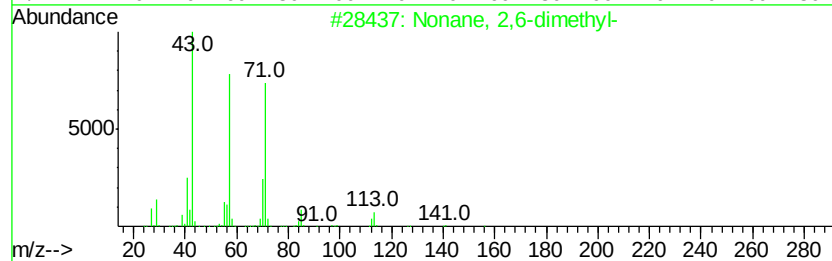
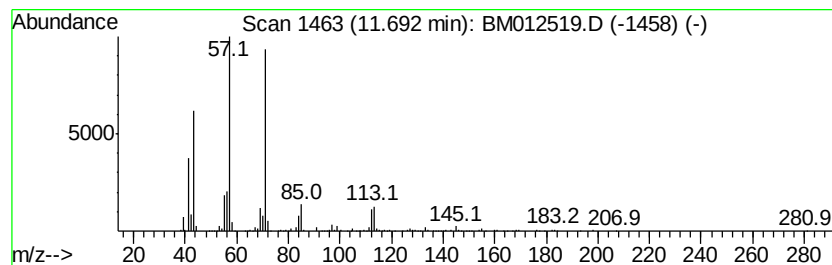
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	5.19 ng/ul	1631080	Napthalene-d8	10.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	91
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74
5		Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102717\
 Data File : BM012519.D
 Acq On : 28 Oct 2017 11:26
 Operator : SJ/JU
 Sample : I5786-13 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-67(1.5-2.5) 101017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	4.73	2.3	ng/ul	1995830	1	7.87	17673000	20.0
(DEL) Alkane: Str...	4.83	4.7	ng/ul	4140490	1	7.87	17673000	20.0
(DEL) Alkane: Str...	4.93	6.3	ng/ul	5608960	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	4.99	2.6	ng/ul	2288260	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	5.04	3.5	ng/ul	3045200	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	5.09	6.8	ng/ul	6020290	1	7.87	17673000	20.0
(DEL) Alkane: Str...	5.25	4.1	ng/ul	3613580	1	7.87	17673000	20.0
(DEL) Alkane: Str...	5.29	2.8	ng/ul	2462160	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	5.33	4.1	ng/ul	3600400	1	7.87	17673000	20.0
Pentalene, octahy...	5.59	2.4	ng/ul	2110010	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	5.69	2.7	ng/ul	2377230	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	5.76	3.6	ng/ul	3176360	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	5.85	5.0	ng/ul	4418740	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	5.91	4.1	ng/ul	3624390	1	7.87	17673000	20.0
unknown-01	5.98	2.5	ng/ul	2255610	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	6.16	12.1	ng/ul	10646000	1	7.87	17673000	20.0
(DEL) Alkane: Str...	6.27	5.1	ng/ul	4513820	1	7.87	17673000	20.0
unknown-02	6.37	12.3	ng/ul	10850700	1	7.87	17673000	20.0
(DEL) Alkane: Str...	6.44	9.6	ng/ul	8509230	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	6.52	14.4	ng/ul	12738100	1	7.87	17673000	20.0
(DEL) Alkane: Str...	6.55	6.5	ng/ul	5781510	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	6.64	2.9	ng/ul	2591480	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	6.70	4.1	ng/ul	3643200	1	7.87	17673000	20.0
(DEL) Alkane: Str...	6.76	4.2	ng/ul	3687990	1	7.87	17673000	20.0
Benzene, propyl-	6.86	8.6	ng/ul	7636480	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	6.97	3.4	ng/ul	3031110	1	7.87	17673000	20.0
9-Methylbicyclo[3...	7.26	5.6	ng/ul	4910570	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	7.30	5.3	ng/ul	4730910	1	7.87	17673000	20.0
Formic acid, oct-...	7.33	4.0	ng/ul	3553650	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	7.53	2.6	ng/ul	2316480	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	7.56	2.5	ng/ul	2193880	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	7.60	5.8	ng/ul	5080360	1	7.87	17673000	20.0
unknown-03	7.70	6.7	ng/ul	5890410	1	7.87	17673000	20.0
(DEL) Alkane: Str...	7.95	7.0	ng/ul	6182020	1	7.87	17673000	20.0
(DEL) Alkane: Str...	8.06	10.1	ng/ul	8939030	1	7.87	17673000	20.0
(DEL) Alkane: Str...	8.13	6.1	ng/ul	5384220	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	8.16	13.1	ng/ul	11534800	1	7.87	17673000	20.0
(DEL) Alkane: Cyc...	8.23	5.6	ng/ul	4936740	1	7.87	17673000	20.0
(DEL) Alkane: Str...	8.43	6.1	ng/ul	5421630	1	7.87	17673000	20.0
(DEL) Alkane: Str...	11.69	5.2	ng/ul	1631080	2	10.67	6284480	20.0