

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012076.D
 Acq On : 11 Oct 2017 19:07
 Operator : SJ/JU
 Sample : I5490-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-43(5-7)-092617

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-BM100317.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.999	146	155	169	rBV	1280245	1936368	4.48%	0.222%
2	5.463	398	404	421	rVB	1196189	2979092	6.89%	0.341%
3	5.698	437	444	448	rBV2	919056	1753001	4.05%	0.201%
4	5.916	476	481	489	rBV2	1034037	1788781	4.13%	0.205%
5	6.093	503	511	519	rBV4	4594724	12673703	29.30%	1.450%
6	6.210	525	531	539	rVB2	3111138	6411322	14.82%	0.733%
7	6.304	542	547	555	rBV5	3761123	7776164	17.97%	0.890%
8	6.381	555	560	564	rBV	8964903	13374074	30.91%	1.530%
9	6.428	564	568	571	rVV2	3067247	4951781	11.45%	0.566%
10	6.493	571	579	589	rVV3	9635676	23690116	54.76%	2.710%
11	6.581	589	594	599	rVB2	3813770	6265527	14.48%	0.717%
12	6.645	599	605	610	rBV2	4971940	8095237	18.71%	0.926%
13	6.704	610	615	624	rBV3	5808193	13725243	31.73%	1.570%
14	6.793	624	630	631	rBV	1669883	2481172	5.74%	0.284%
15	6.816	631	634	640	rVB3	1854536	3015959	6.97%	0.345%
16	6.922	647	652	656	rBV2	5374607	8733549	20.19%	0.999%
17	6.975	656	661	668	rVV5	14430299	31444575	72.68%	3.597%
18	7.116	680	685	687	rBV2	2981159	5208242	12.04%	0.596%
19	7.157	687	692	697	rVB4	6012825	11851443	27.39%	1.356%
20	7.216	697	702	706	rBV3	7464442	11802395	27.28%	1.350%
21	7.257	706	709	711	rBV2	2165337	3066295	7.09%	0.351%
22	7.322	716	720	726	rVV2	7037043	15932439	36.83%	1.823%
23	7.392	728	732	737	rVB4	5667705	10129689	23.41%	1.159%
24	7.487	744	748	751	rBV2	4649458	7079191	16.36%	0.810%
25	7.551	755	759	765	rVB2	7609991	11978804	27.69%	1.370%
26	7.604	765	768	770	rBV	2155657	2612358	6.04%	0.299%
27	7.640	770	774	775	rBV2	4322801	5125040	11.85%	0.586%
28	7.757	784	794	798	rBV5	10686786	31549715	72.93%	3.609%
29	7.816	798	804	810	rVV2	23300566	43261885	100.00%	4.949%
30	7.904	813	819	824	rVB2	10491270	20172482	46.63%	2.308%
31	7.963	824	829	834	rBV3	4911498	12089793	27.95%	1.383%
32	8.028	834	840	844	rVV2	14241125	25151752	58.14%	2.877%
33	8.069	844	847	848	rVV2	4819805	5870871	13.57%	0.672%
34	8.092	848	851	853	rVV	7718517	11304995	26.13%	1.293%

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35	8.122	853	856	860	rVV2	10309009	17044946	39.40%	1.950%
36	8.187	864	867	875	rVB6	4483395	9819917	22.70%	1.123%
37	8.269	876	881	888	rVB6	4787764	10590523	24.48%	1.211%
38	8.339	888	893	896	rBV3	4693141	7890290	18.24%	0.903%
39	8.392	899	902	912	rVB3	7930633	16454519	38.03%	1.882%
40	8.487	912	918	919	rBV3	2861702	4511844	10.43%	0.516%
41	8.622	936	941	945	rVB6	1311991	2887437	6.67%	0.330%
42	8.681	945	951	956	rBV	16189701	29478748	68.14%	3.372%
43	8.822	966	975	978	rBV3	1965763	4768543	11.02%	0.545%
44	8.945	985	996	1002	rBV3	13736779	33559704	77.57%	3.839%
45	9.039	1005	1012	1019	rVV4	8360484	18808829	43.48%	2.152%
46	9.098	1019	1022	1026	rVB3	3021552	4369518	10.10%	0.500%
47	9.151	1026	1031	1034	rBV2	5850862	10913796	25.23%	1.248%
48	9.192	1034	1038	1046	rVV5	6187737	14215522	32.86%	1.626%
49	9.298	1046	1056	1063	rVB5	4462727	13143851	30.38%	1.504%
50	9.410	1067	1075	1080	rVV8	2628433	8251289	19.07%	0.944%
51	9.475	1080	1086	1090	rVV	11151337	19164287	44.30%	2.192%
52	9.516	1090	1093	1097	rVV3	3063764	5945079	13.74%	0.680%
53	9.563	1097	1101	1112	rVB3	5677333	11444818	26.45%	1.309%
54	9.722	1122	1128	1131	rBV4	2588673	4755009	10.99%	0.544%
55	9.757	1131	1134	1139	rVB	3332199	4764899	11.01%	0.545%
56	9.822	1139	1145	1153	rBV6	5782427	13069984	30.21%	1.495%
57	10.045	1177	1183	1190	rBV2	7170216	13180297	30.47%	1.508%
58	10.204	1204	1210	1216	rBV7	1267120	3593808	8.31%	0.411%
59	10.269	1217	1221	1227	rVB3	1906908	3444772	7.96%	0.394%
60	10.339	1227	1233	1242	rBV2	1436954	3177051	7.34%	0.363%
61	10.522	1255	1264	1272	rVV7	984924	2578620	5.96%	0.295%
62	10.645	1272	1285	1287	rVV2	2244441	6451607	14.91%	0.738%
63	10.680	1287	1291	1299	rVB3	3631493	8045807	18.60%	0.920%
64	10.780	1305	1308	1313	rVB	2088587	3346519	7.74%	0.383%
65	10.851	1314	1320	1328	rVB	2306225	3876748	8.96%	0.443%
66	11.551	1434	1439	1443	rVV2	952637	1652411	3.82%	0.189%
67	11.963	1504	1509	1516	rVB	1086582	1803587	4.17%	0.206%
68	12.457	1583	1593	1598	rBV2	1730373	3198323	7.39%	0.366%
69	12.569	1609	1612	1626	rVB4	616637	1635972	3.78%	0.187%
70	12.822	1650	1655	1660	rVV5	854729	1971058	4.56%	0.225%
71	12.886	1661	1666	1674	rVB2	3459266	5524332	12.77%	0.632%

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72	13.733	1803	1810	1817	rVB3	1251955	2519633	5.82%	0.288%
73	13.892	1833	1837	1841	rVV	2518537	3483812	8.05%	0.399%
74	13.939	1841	1845	1851	rVB	1213447	1828224	4.23%	0.209%
75	14.180	1881	1886	1898	rVB	3188074	5562267	12.86%	0.636%
76	14.304	1898	1907	1913	rBV2	744166	1576246	3.64%	0.180%
77	14.486	1927	1938	1944	rBV2	2539175	4127092	9.54%	0.472%
78	15.480	2101	2107	2112	rBV	3739954	5126011	11.85%	0.586%
79	16.198	2222	2229	2236	rBV4	812012	1916894	4.43%	0.219%
80	17.233	2400	2405	2408	rBV2	2902311	4187493	9.68%	0.479%
81	17.274	2408	2412	2417	rVV	6039507	8379495	19.37%	0.959%
82	17.333	2417	2422	2425	rVV	3790905	5534628	12.79%	0.633%
83	18.109	2549	2554	2558	rBV2	3053643	4469937	10.33%	0.511%
84	18.156	2558	2562	2568	rVB	1789788	2591746	5.99%	0.296%
85	18.304	2581	2587	2591	rVV2	2287613	4552476	10.52%	0.521%
86	19.027	2705	2710	2714	rBV2	1336504	2311823	5.34%	0.264%
87	19.292	2749	2755	2759	rBV	10177499	13704785	31.68%	1.568%
88	19.339	2759	2763	2768	rVV	8086752	9956773	23.02%	1.139%
89	19.392	2768	2772	2782	rVV2	2426441	3379537	7.81%	0.387%
90	19.627	2807	2812	2814	rBV2	5514806	8517853	19.69%	0.974%
91	19.656	2814	2817	2824	rVB	9963505	12929139	29.89%	1.479%
92	20.145	2897	2900	2905	rVB	2456715	3134317	7.24%	0.359%
93	20.245	2914	2917	2921	rVB	1688641	1936033	4.48%	0.221%
94	21.097	3059	3062	3066	rVB2	1644125	1888056	4.36%	0.216%
95	21.309	3094	3098	3103	rVB	3539754	4166630	9.63%	0.477%
96	21.397	3109	3113	3119	rBV2	5915254	11775355	27.22%	1.347%
97	21.450	3119	3122	3130	rVB	4846549	6178520	14.28%	0.707%
98	23.033	3386	3391	3406	rVB	5549613	14609428	33.77%	1.671%
99	23.533	3472	3476	3480	rBV	1755518	2683349	6.20%	0.307%
100	23.633	3489	3493	3503	rVB	3608847	6543396	15.13%	0.749%

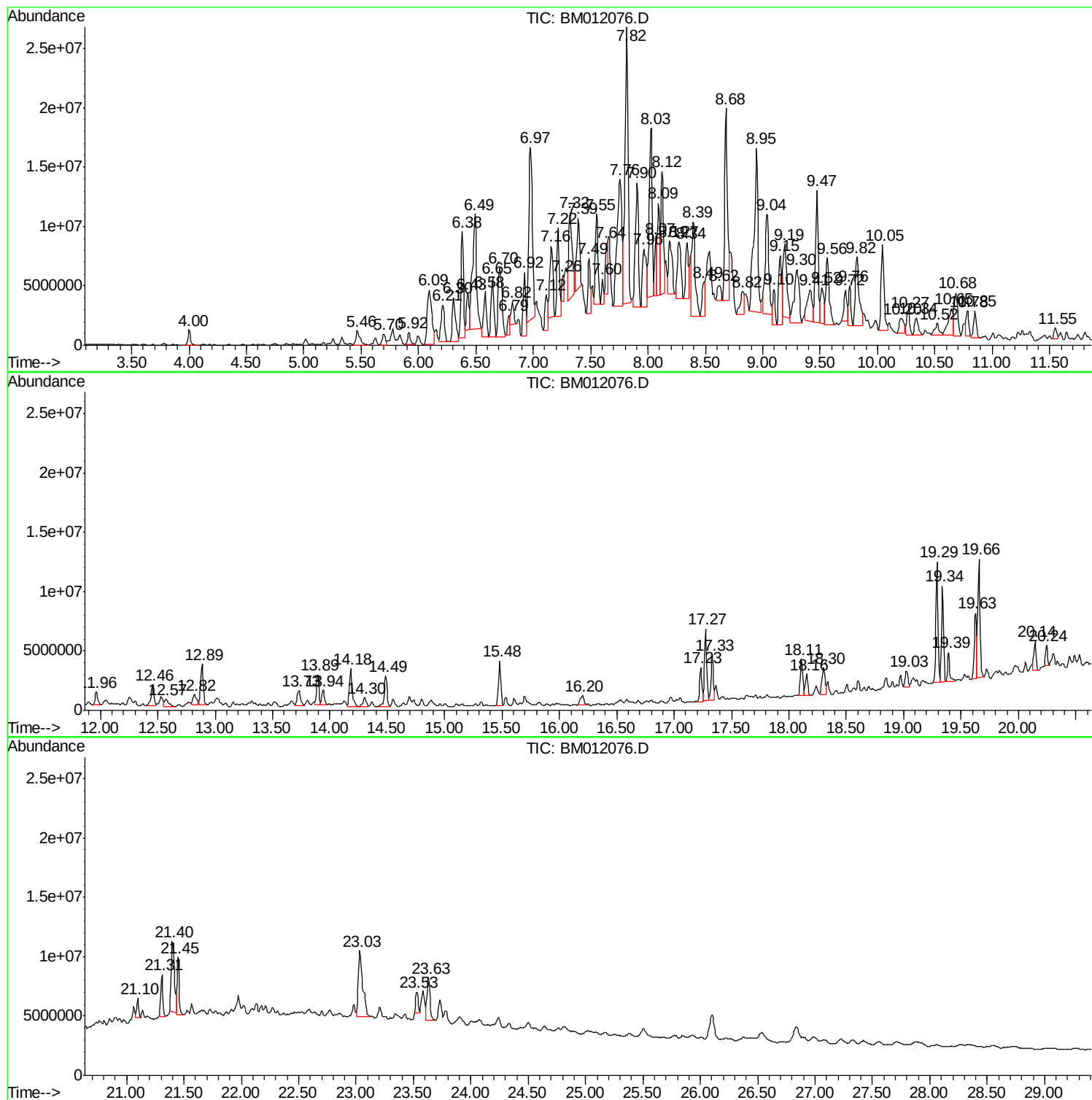
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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



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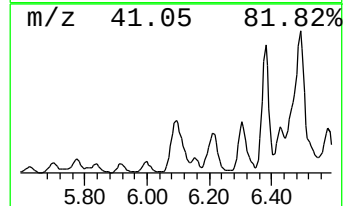
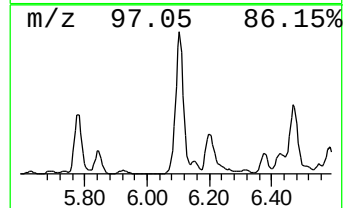
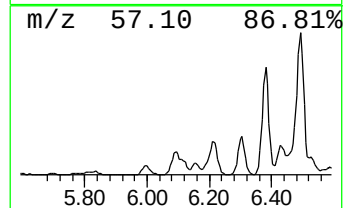
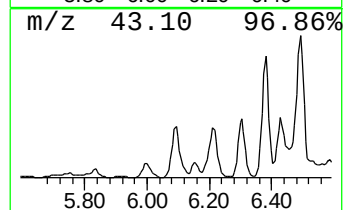
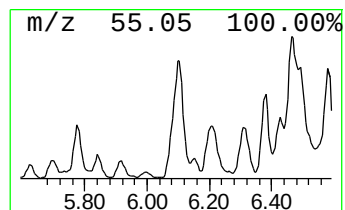
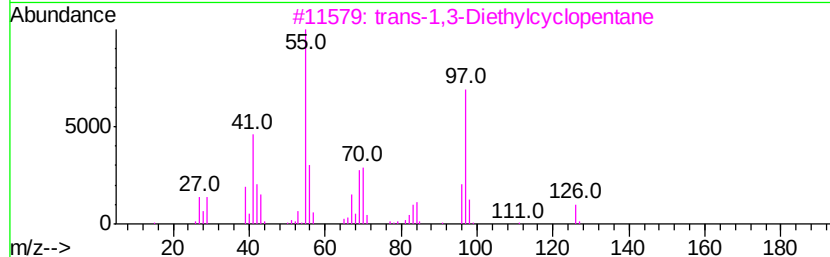
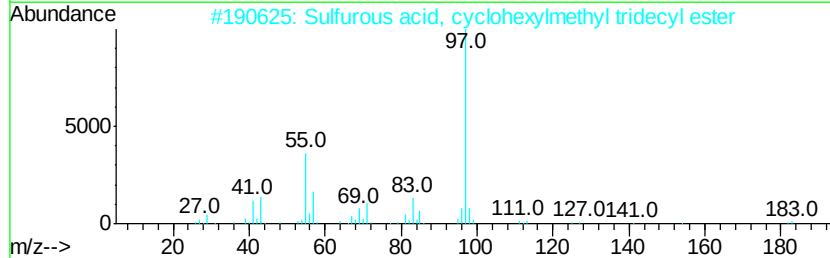
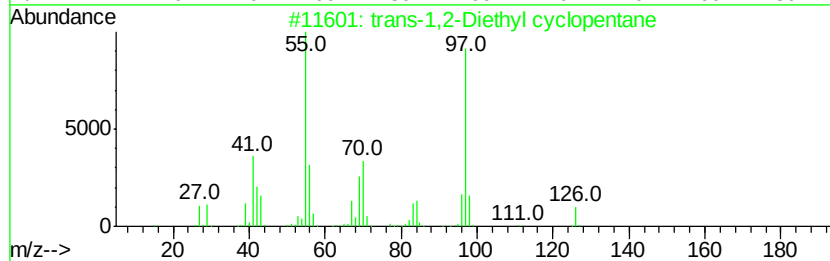
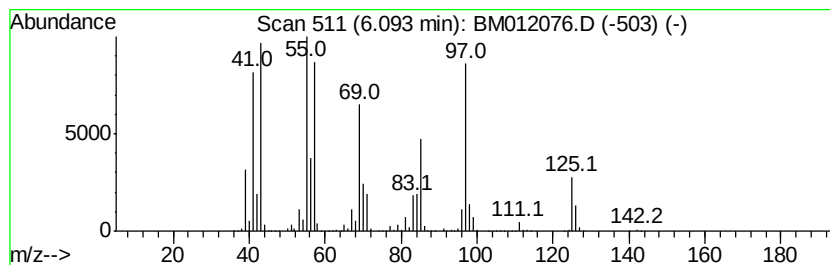
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Cyclic6.09 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	5.86 ng/ul	12673700	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl	cyclopentane	126	C9H18	000932-40-1	55	
2	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	43		
3	trans-1,3-Diethyl	cyclopentane	126	C9H18	1000113-87-1	38	
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	38		
5	2-Heptenal, 2-methyl-	126	C8H14O	030567-26-1	38		



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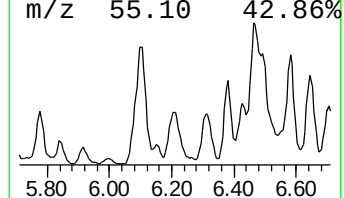
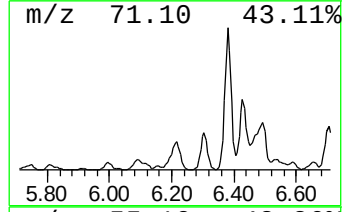
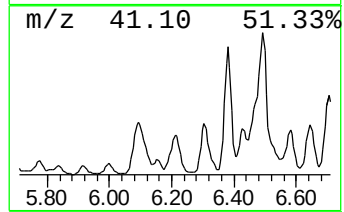
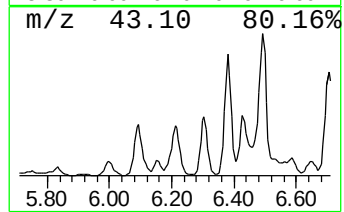
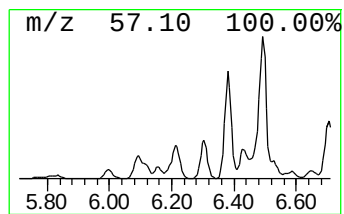
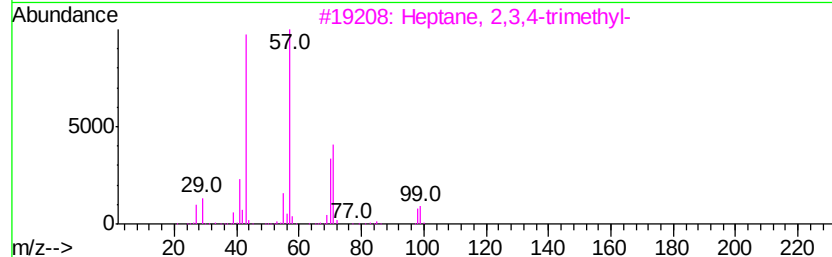
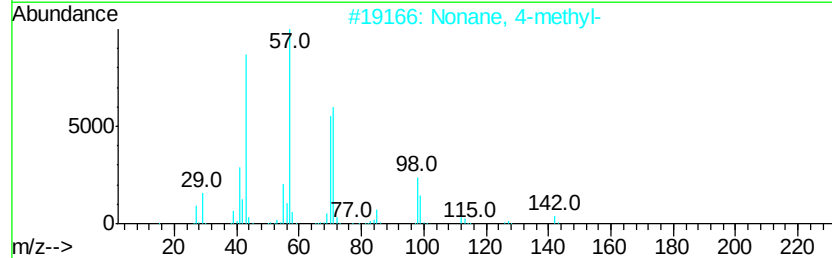
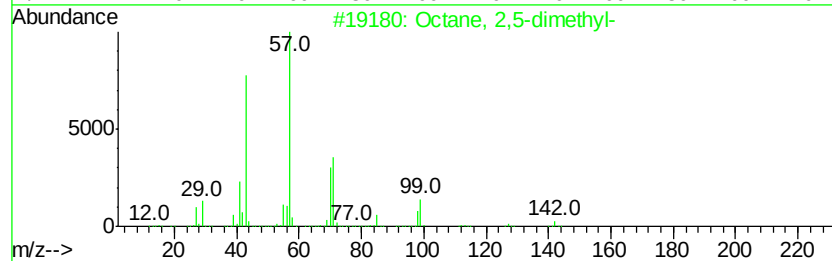
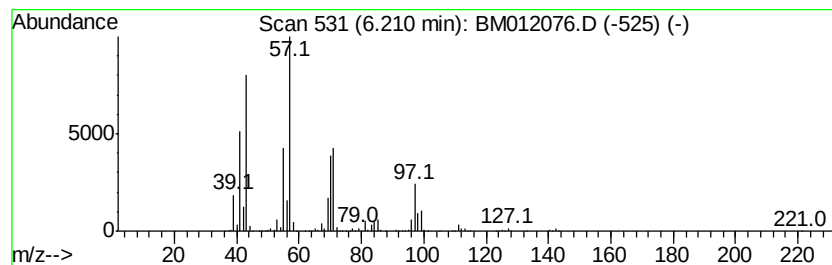
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	2.96 ng/ul	6411320	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	70
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	59
3		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
4		Nonane, 4-methyl-	142	C10H22	017301-94-9	53
5		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53



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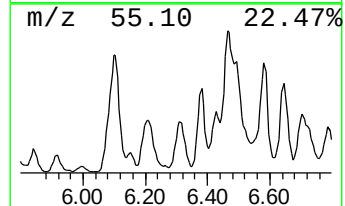
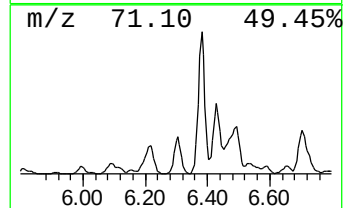
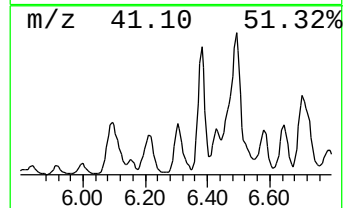
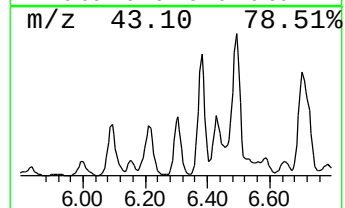
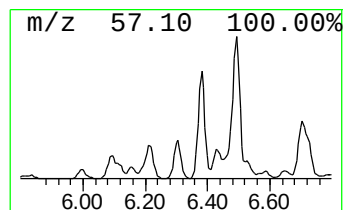
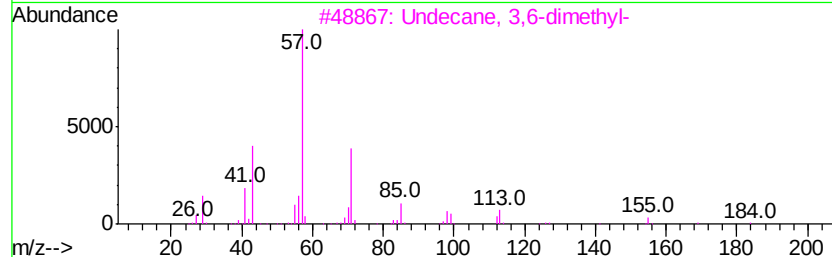
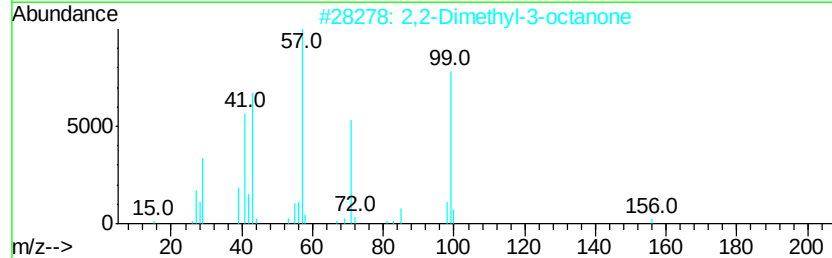
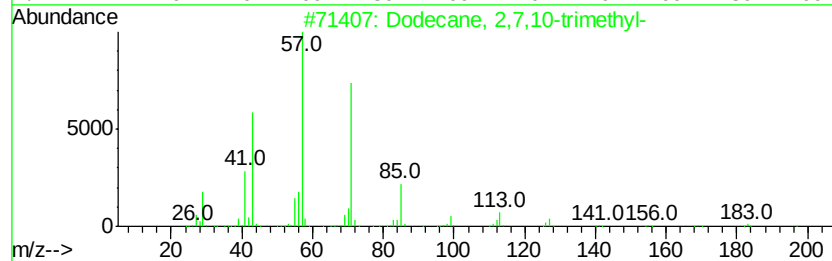
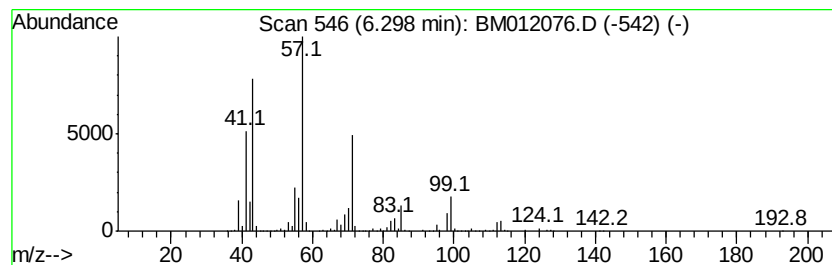
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	3.59 ng/ul	7776160	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53
2		2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	47
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	43
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
5		Octane, 3-ethyl-	142	C10H22	005881-17-4	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-43(5-7)-092617

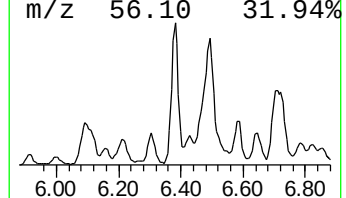
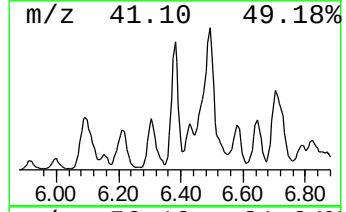
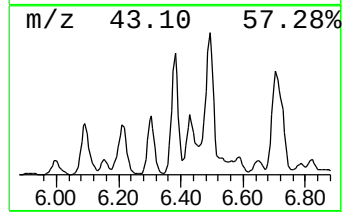
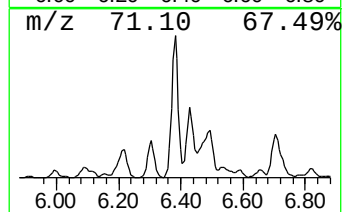
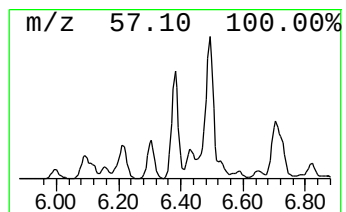
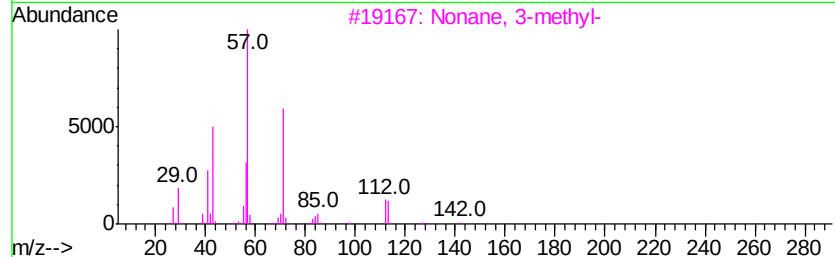
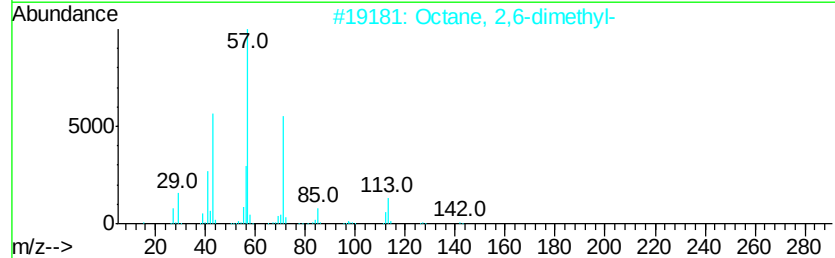
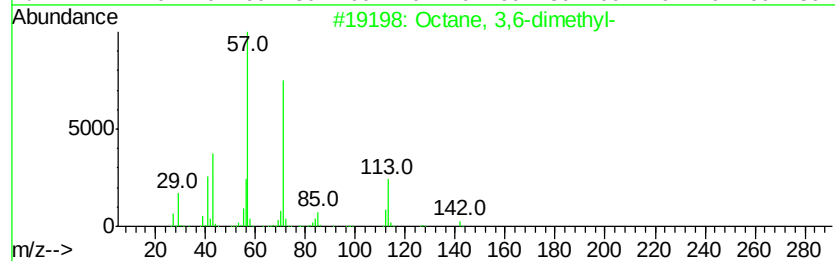
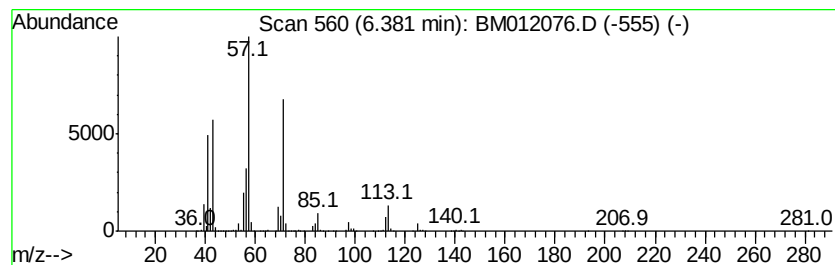
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	6.18 ng/ul	13374100	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-43(5-7)-092617

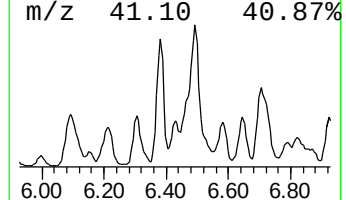
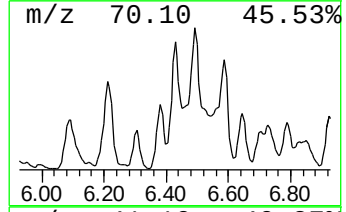
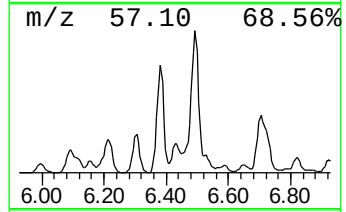
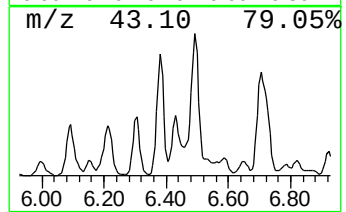
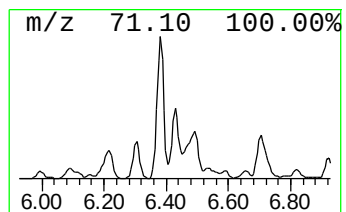
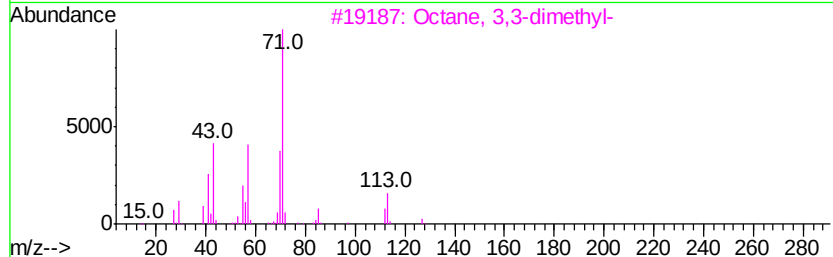
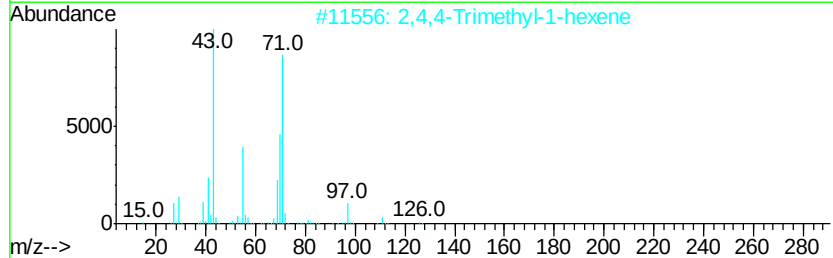
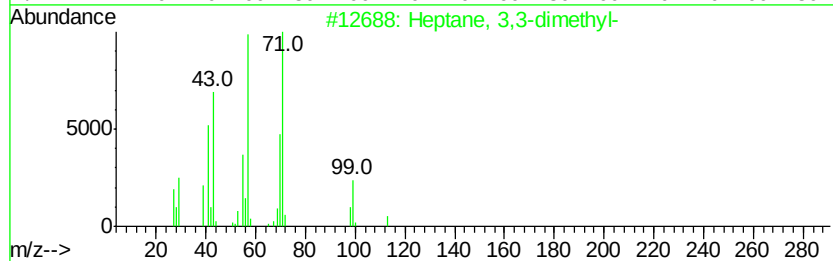
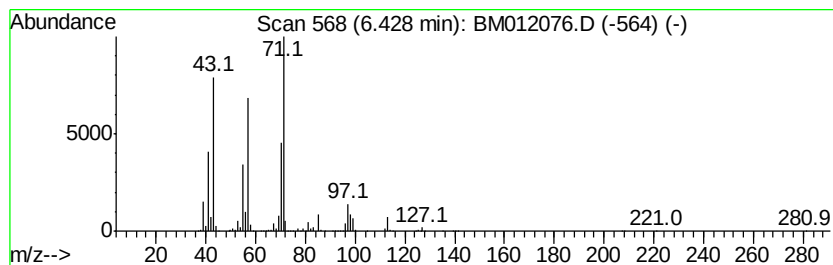
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	2.29 ng/ul	4951780	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	72
2		2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	64
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4		Decane, 4-methyl-	156	C11H24	002847-72-5	53
5		Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-43(5-7)-092617

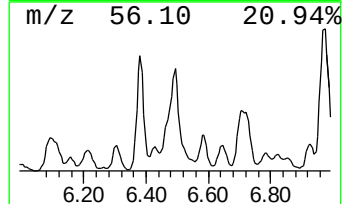
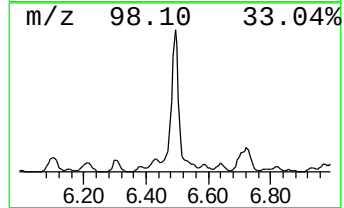
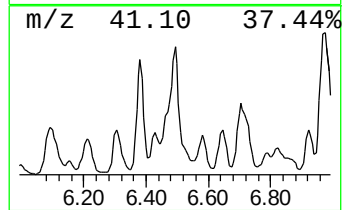
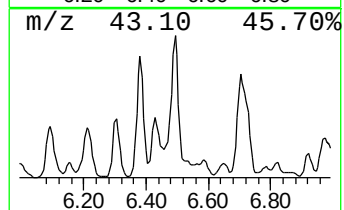
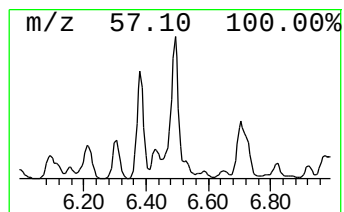
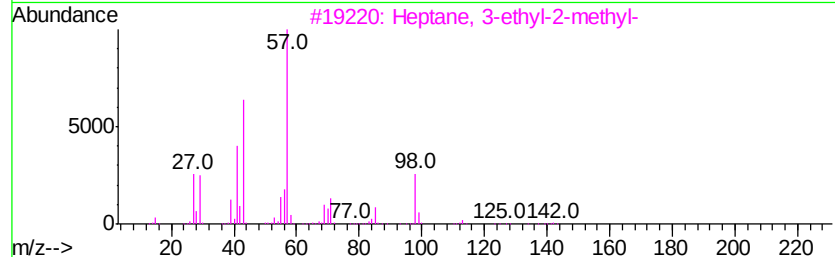
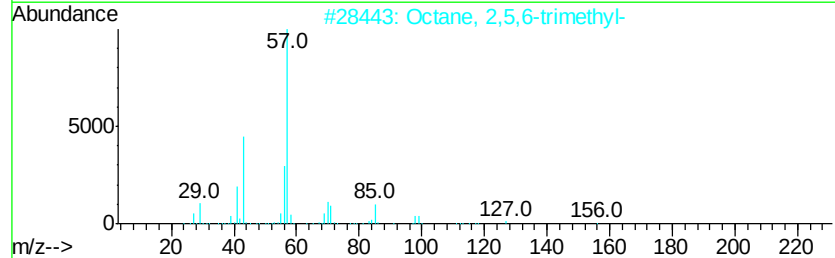
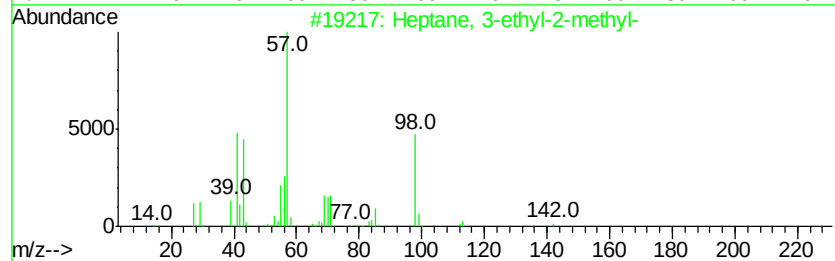
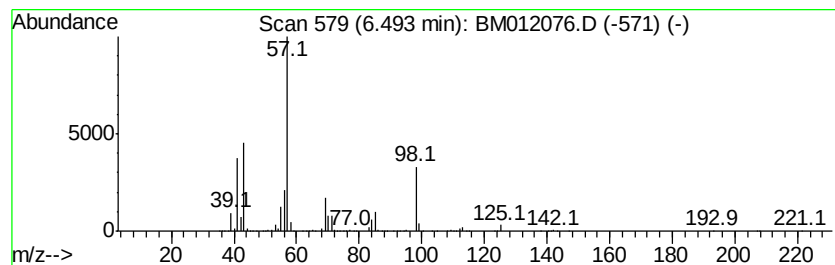
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	10.95 ng/ul	23690100	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2		Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	50
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	46
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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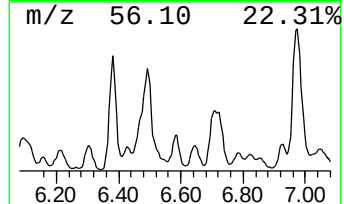
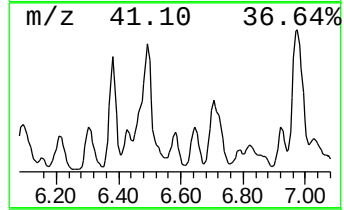
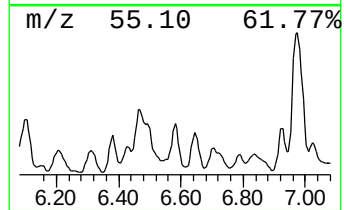
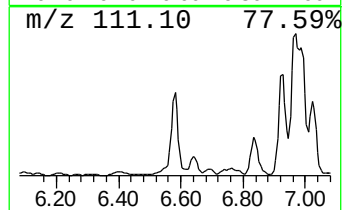
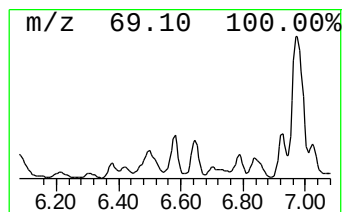
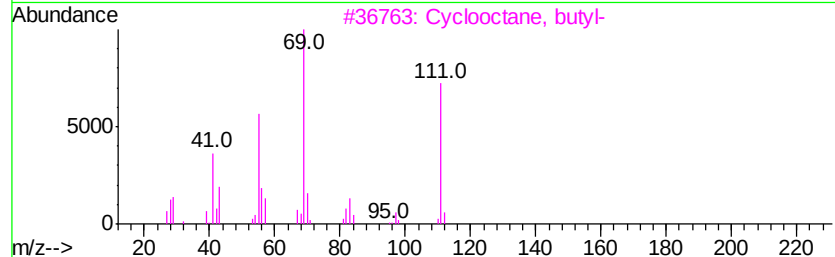
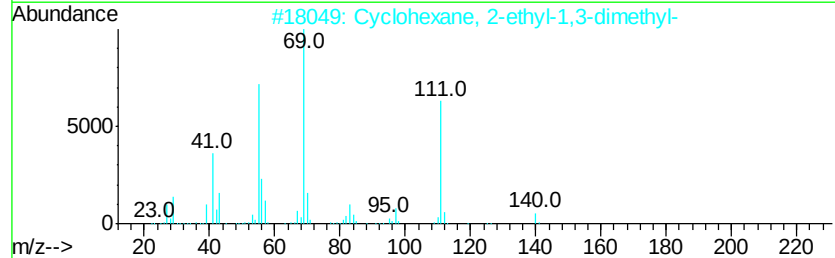
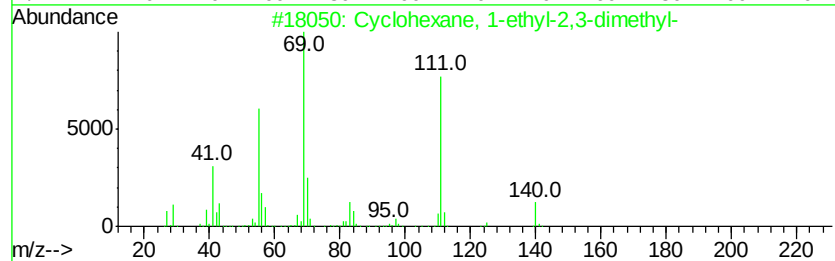
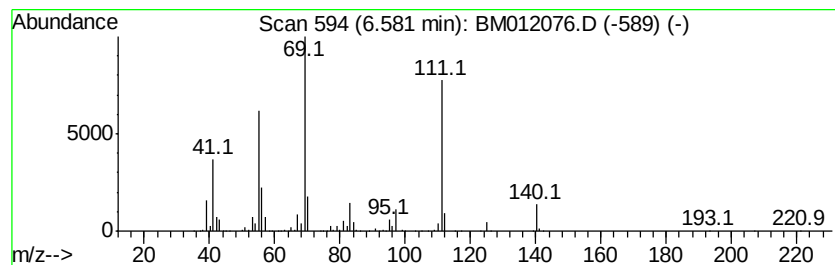
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Cyclic6.58 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	2.90 ng/ul	6265530	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	86
2			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	78
3			Cyclooctane, butyl-	168	C12H24	016538-93-5	78
4			Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	64
5			2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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Instrument :
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ClientSampleId :
B-43(5-7)-092617

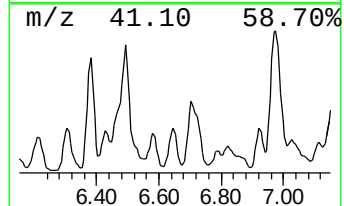
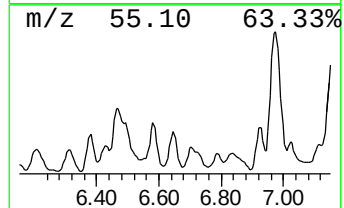
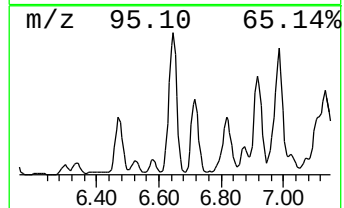
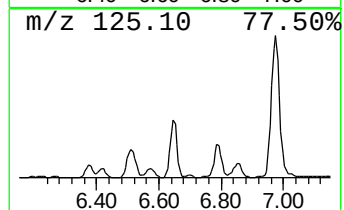
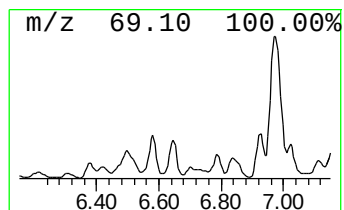
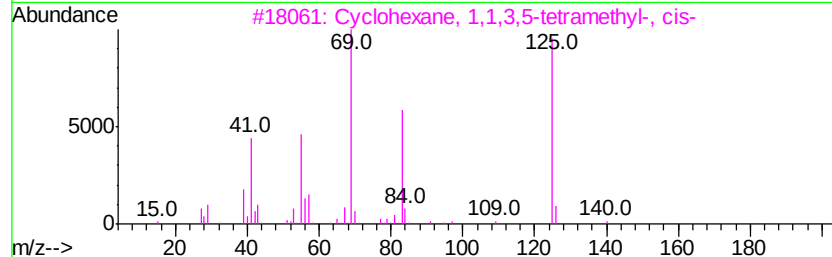
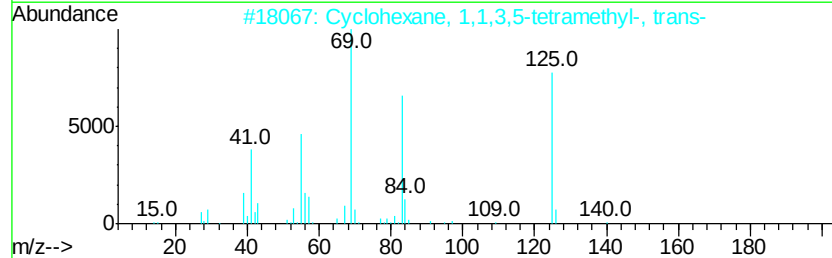
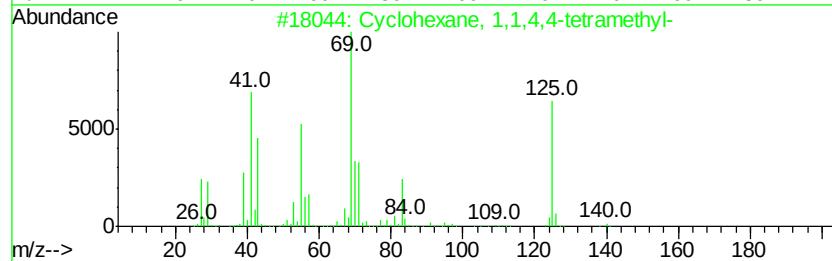
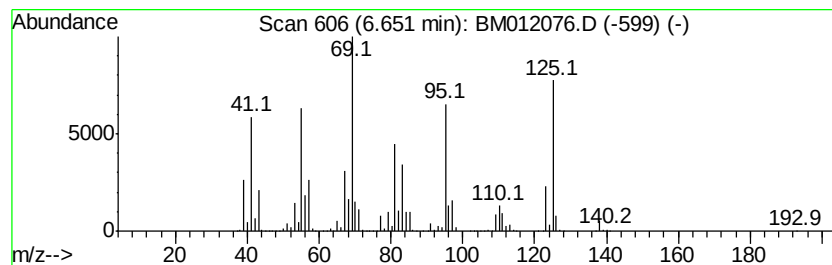
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic6.65 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	3.74 ng/ul	8095240	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	55
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	53
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	46
4			Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	30
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
B-43(5-7)-092617

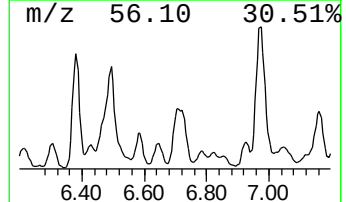
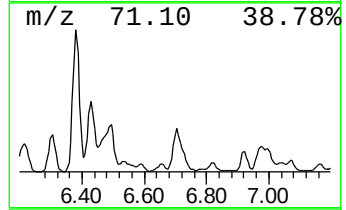
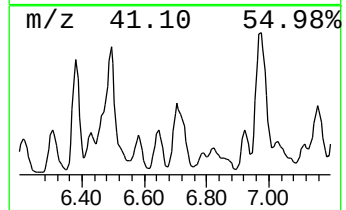
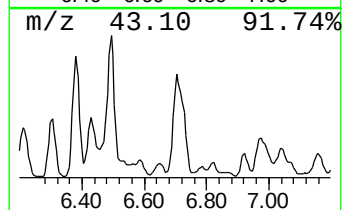
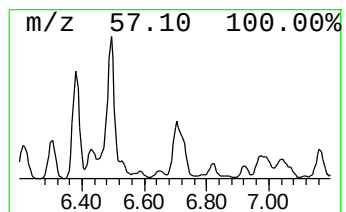
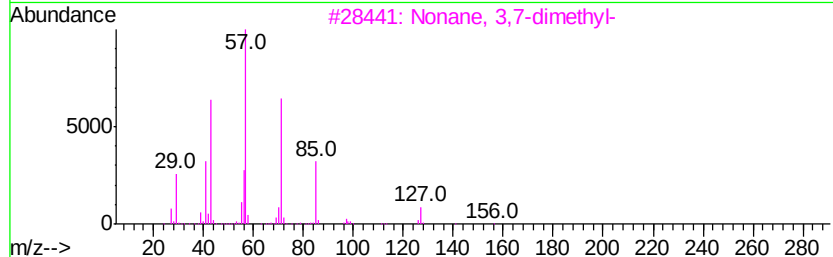
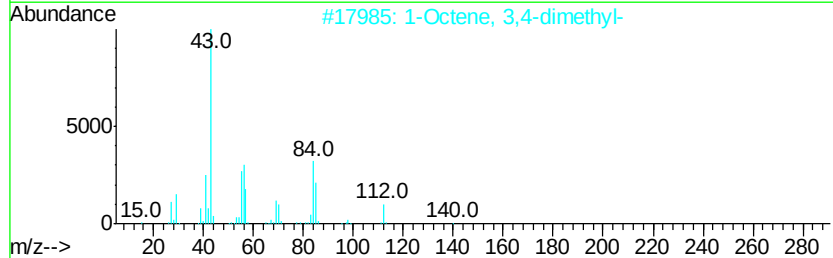
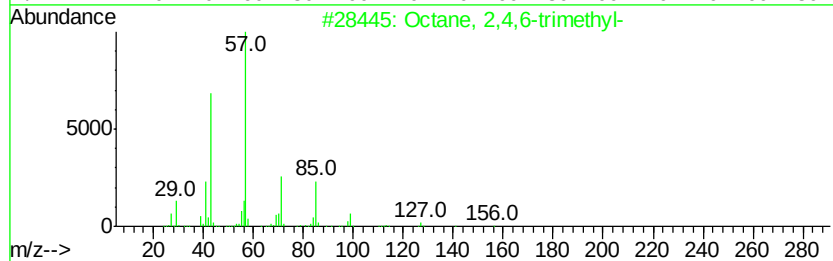
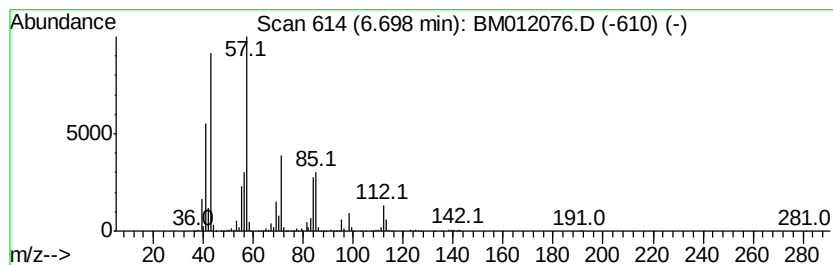
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	6.35 ng/ul	13725200	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
2			1-Octene, 3,4-dimethyl-	140	C10H20	056728-11-1	43
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43
4			Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	35
5			Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-43(5-7)-092617

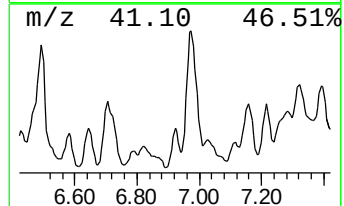
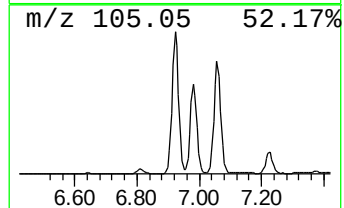
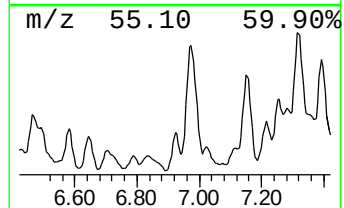
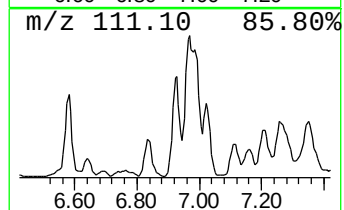
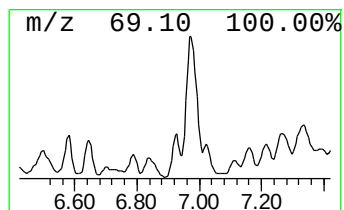
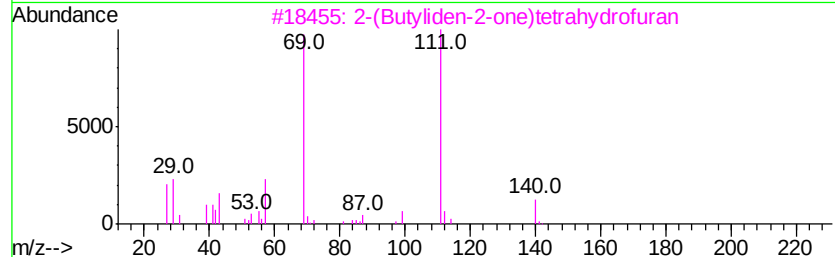
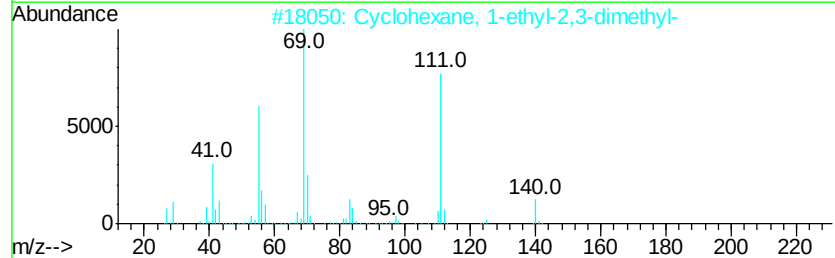
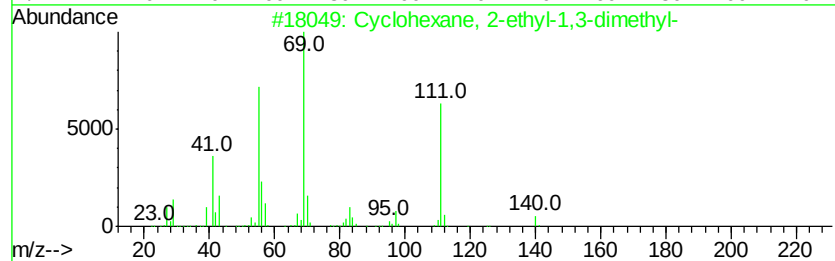
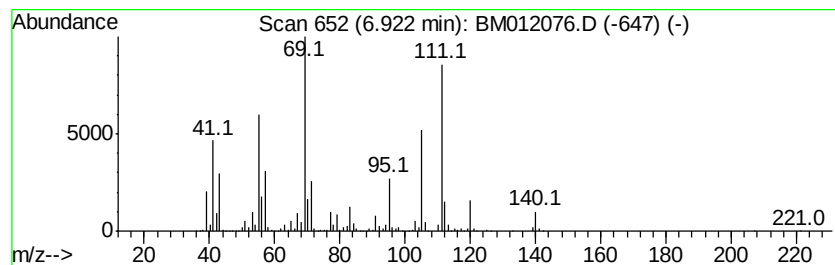
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Cyclic6.92 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	4.04 ng/ul	8733550	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	62
2		Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	58
3		2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	58
4		Cyclooctane, ethyl-	140	C10H20	013152-02-8	58
5		Cyclooctane, ethyl-	140	C10H20	013152-02-8	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

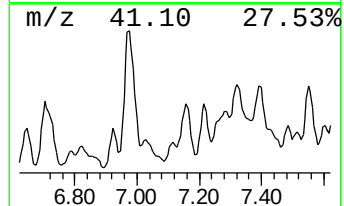
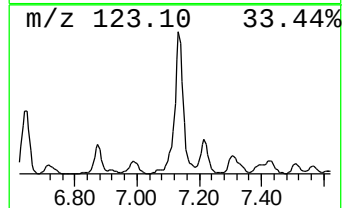
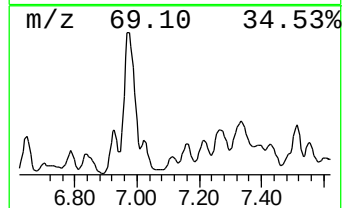
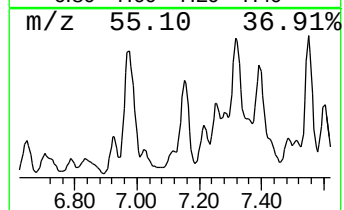
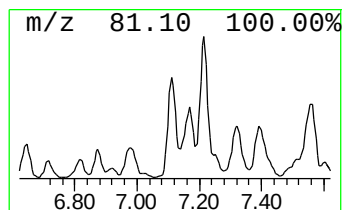
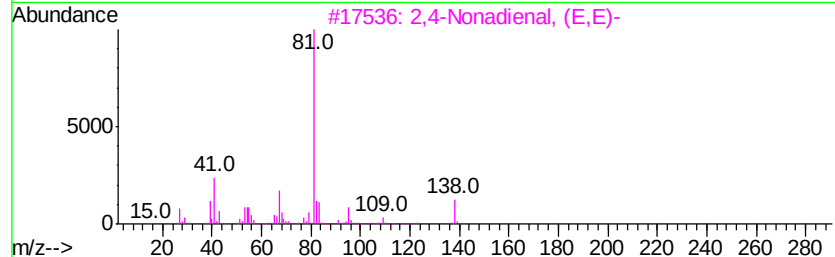
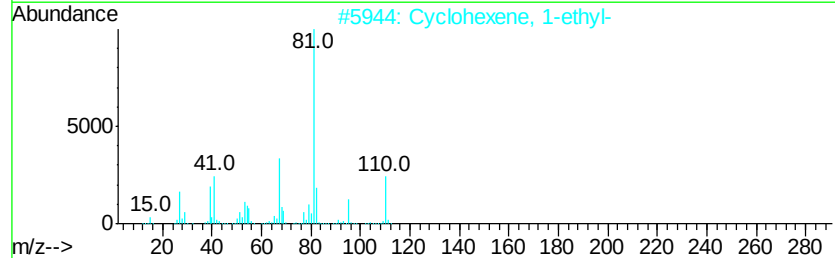
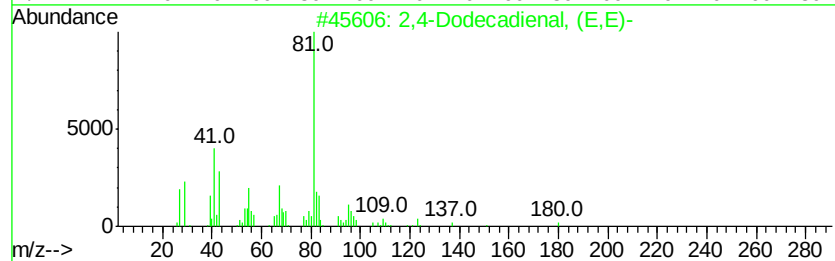
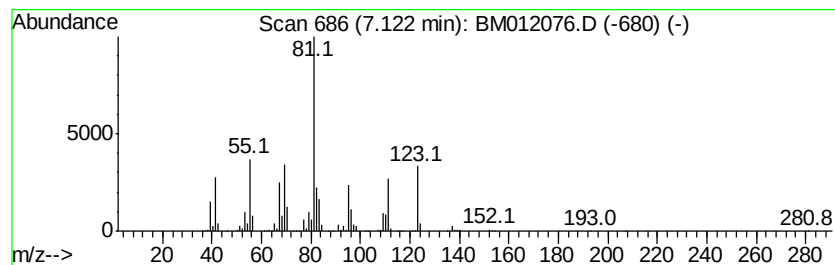
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 2,4-Dodecadialenal, (E,E)- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	2.41 ng/ul	5208240	1,4-Dichlorobenzene-d4	7.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4-Dodecadialenal, (E,E)-	180 C12H20O	021662-16-8	64
2	Cyclohexene, 1-ethyl-	110 C8H14	001453-24-3	62
3	2,4-Nonadienal, (E,E)-	138 C9H14O	005910-87-2	59
4	2,4-Nonadienal, (E,E)-	138 C9H14O	005910-87-2	53
5	1,5-Hexadiene, 2-methyl-	96 C7H12	004049-81-4	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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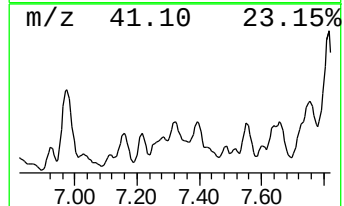
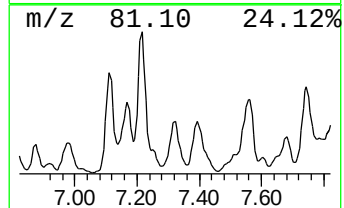
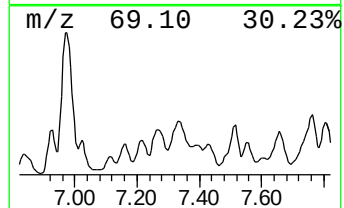
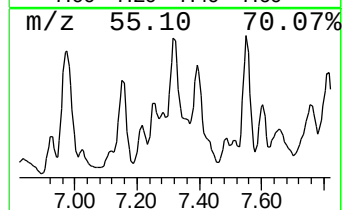
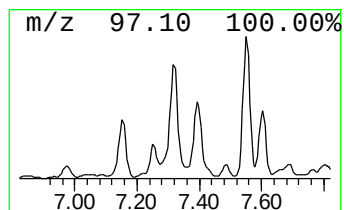
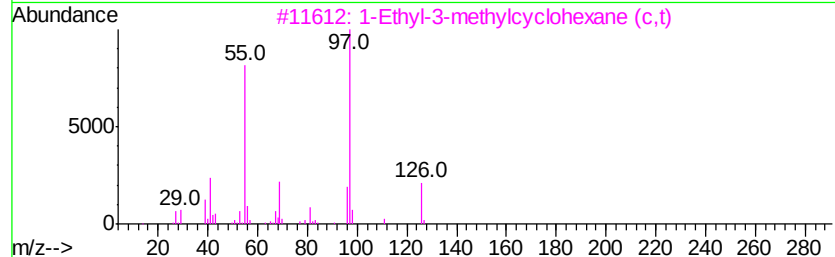
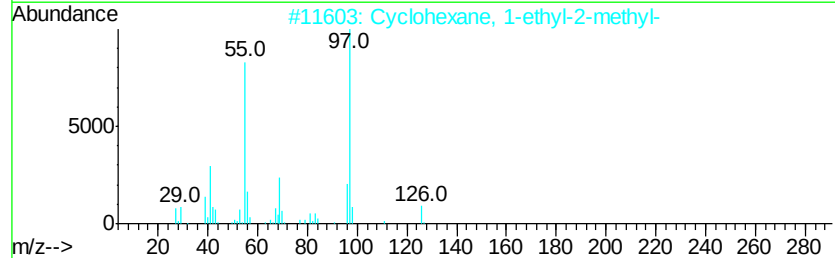
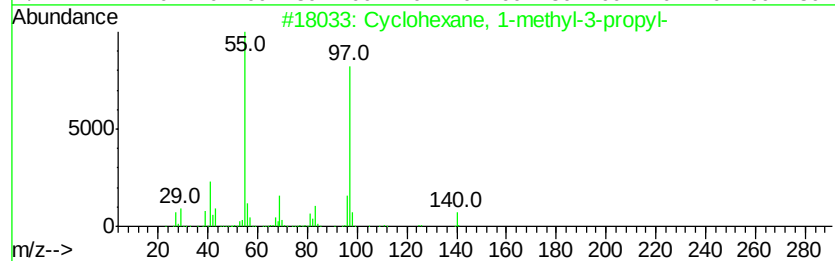
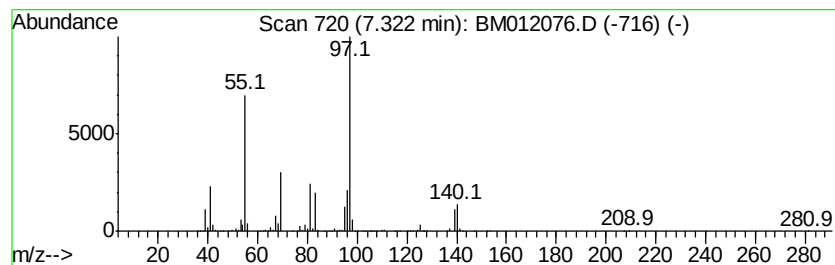
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Cyclic7.32 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	7.37 ng/ul	15932400	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	59
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	53
4		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53
5		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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ClientSampleId :
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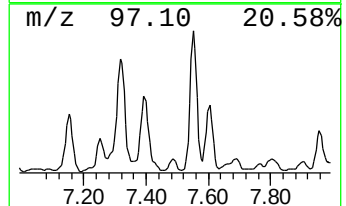
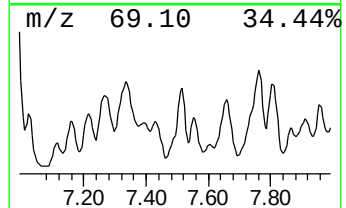
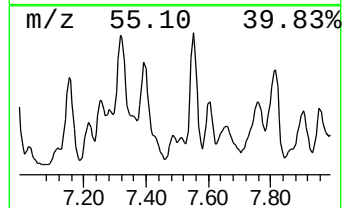
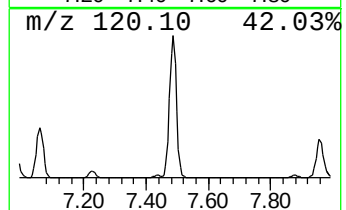
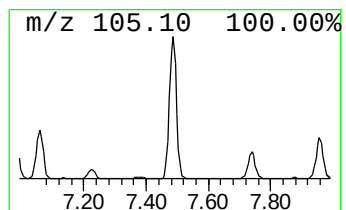
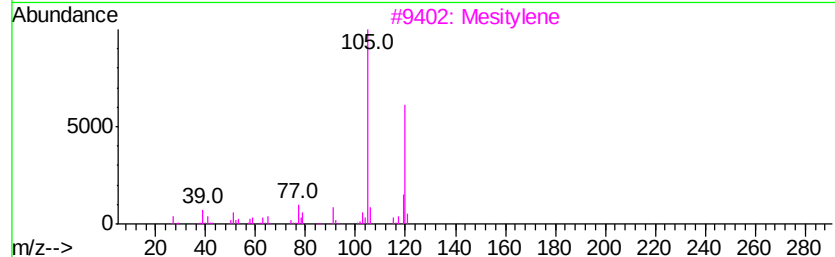
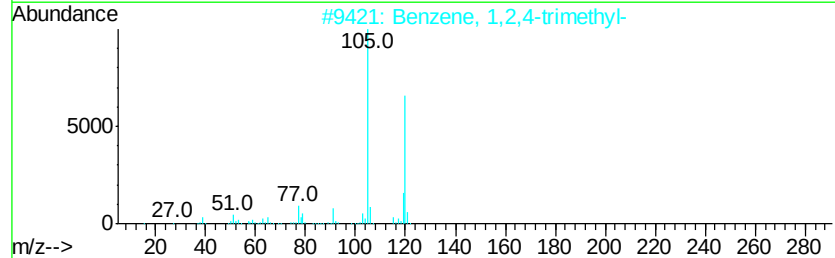
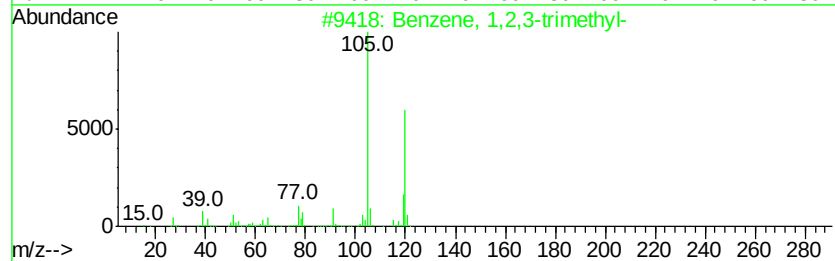
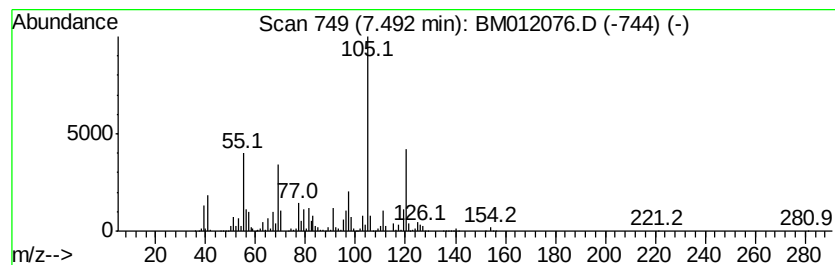
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	3.27 ng/ul	7079190	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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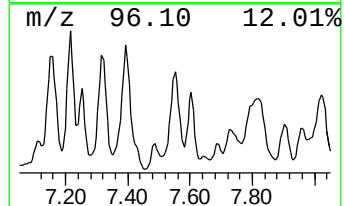
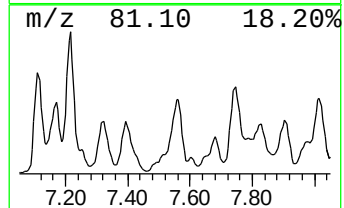
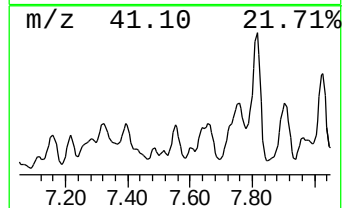
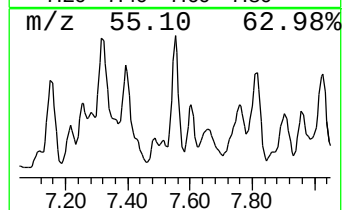
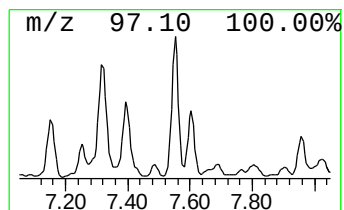
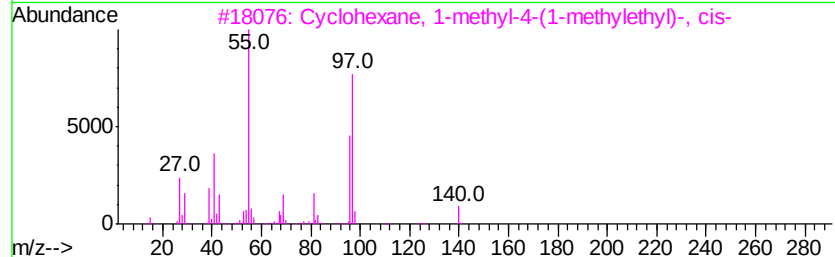
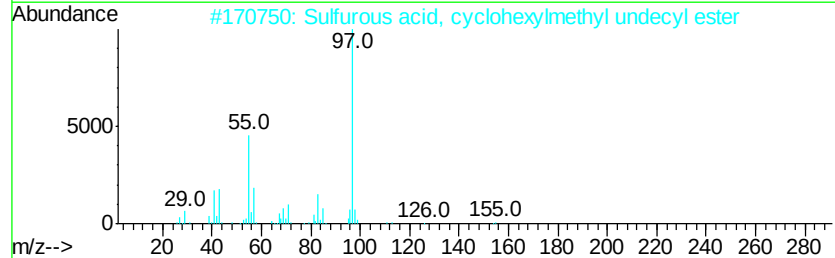
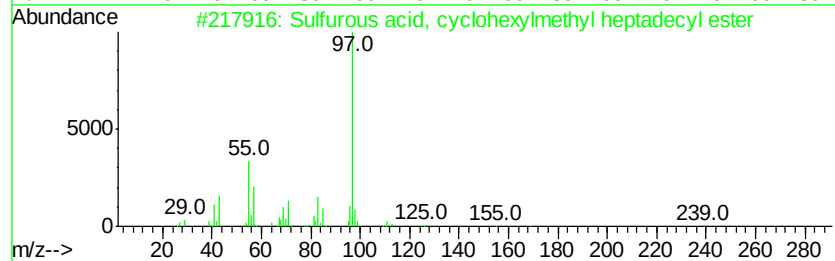
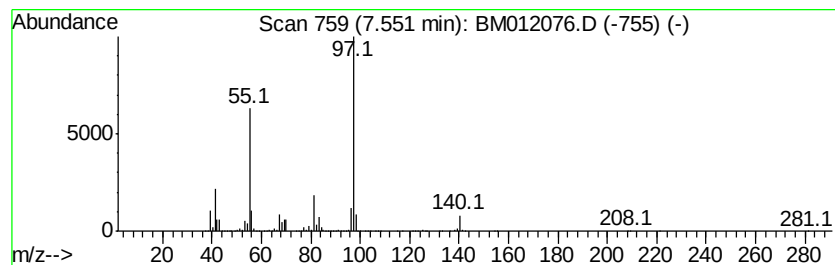
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Sulfurous acid, cyclohexylm... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	5.54 ng/ul	11978800	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	78
2			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	72
3			Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	006069-98-3	72
4			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	72
5			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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B-43(5-7)-092617

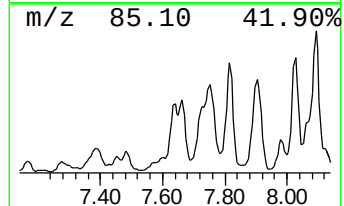
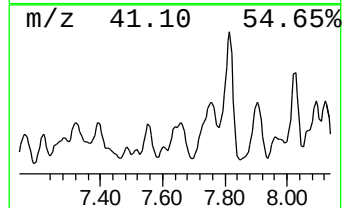
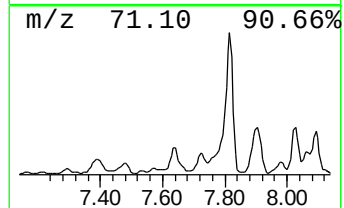
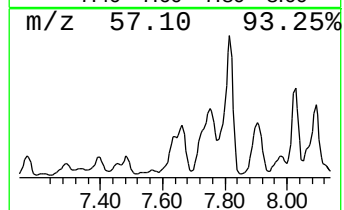
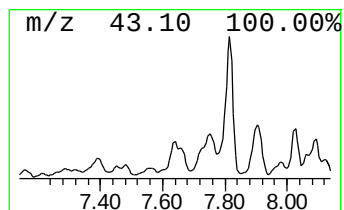
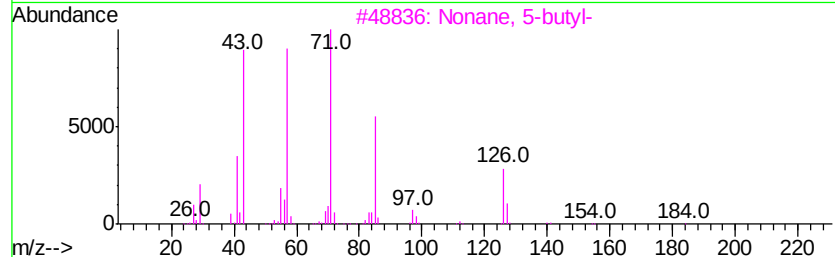
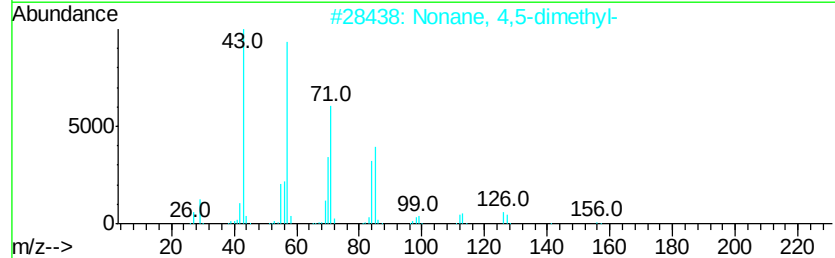
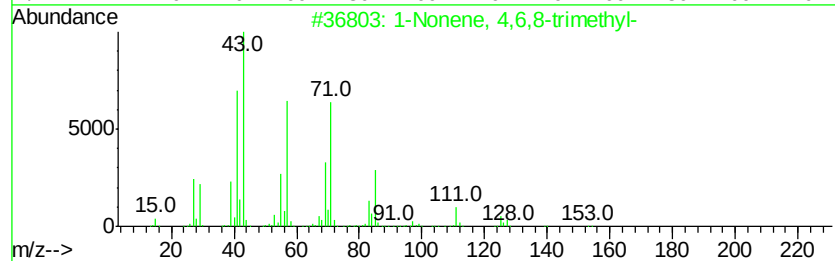
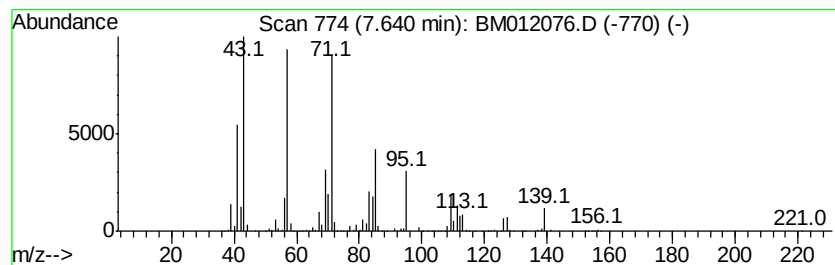
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Cyclic7.64 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	2.37 ng/ul	5125040	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	64
2		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	58
3		Nonane, 5-butyl-	184	C13H28	017312-63-9	50
4		1-Undecene, 4-methyl-	168	C12H24	074630-39-0	50
5		Ether, hexyl pentyl	172	C11H24O	032357-83-8	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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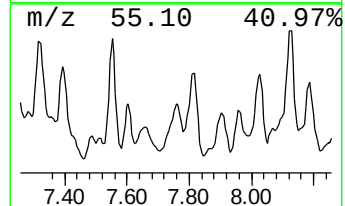
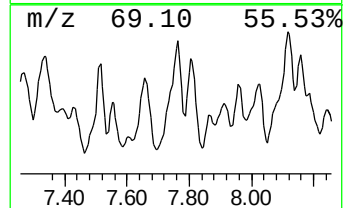
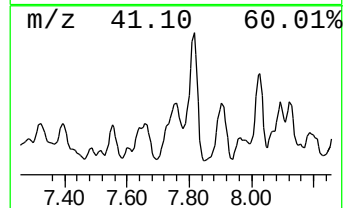
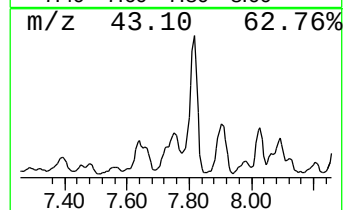
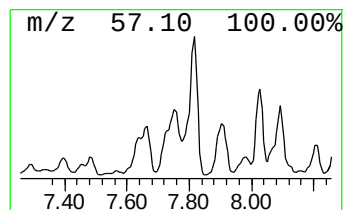
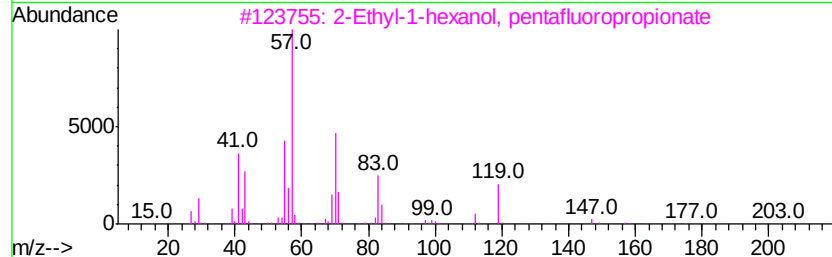
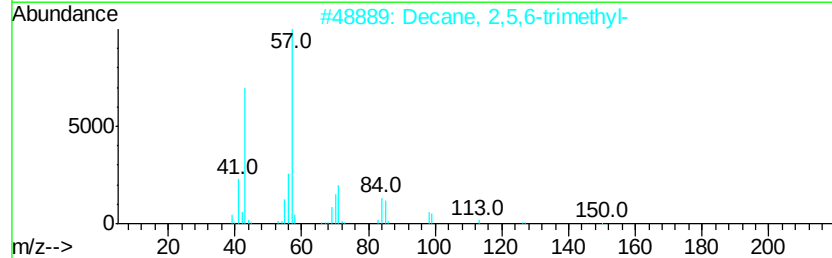
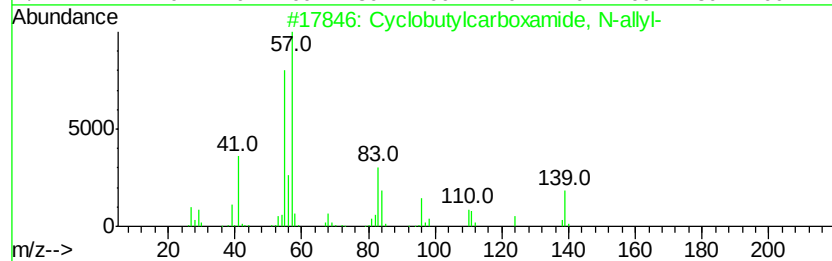
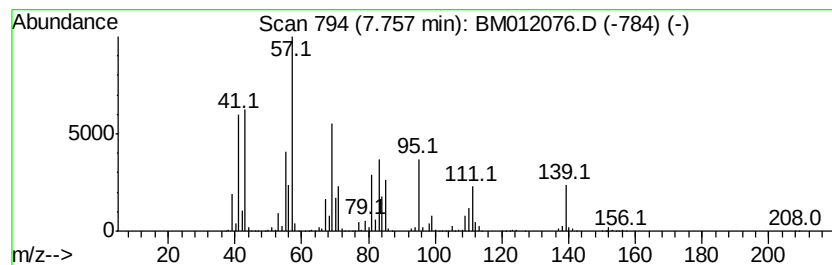
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.76	14.59 ng/ul	31549700	1,4-Dichlorobenzene-d4	7.85		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclobutylcarboxamide, N-allyl-	139	C8H13NO	1000340-36-9	46
2		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	35
3		2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	35
4		Octane	114	C8H18	000111-65-9	22
5		Nonane	128	C9H20	000111-84-2	22



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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ClientSampleId :
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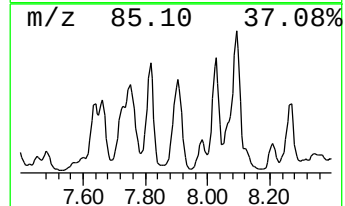
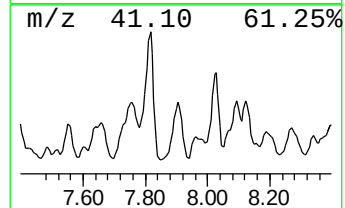
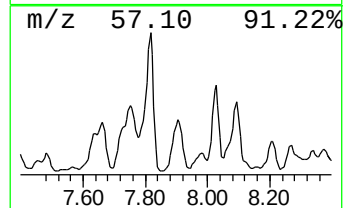
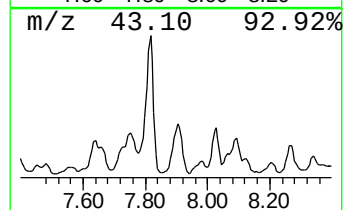
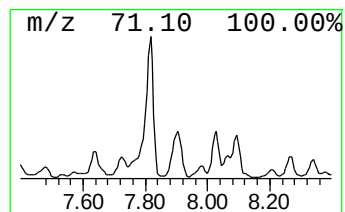
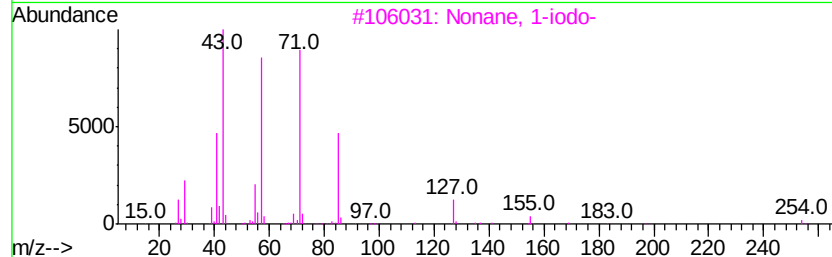
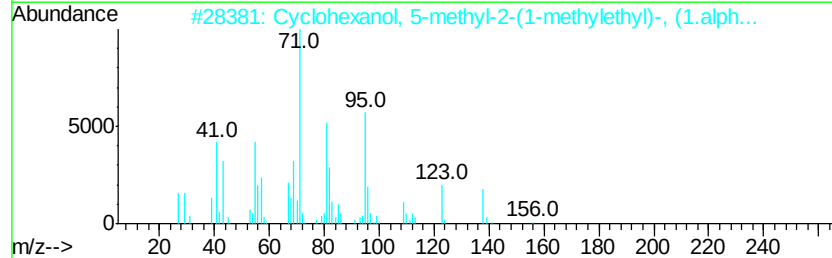
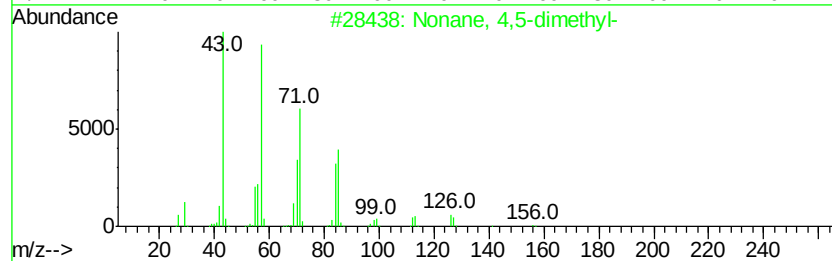
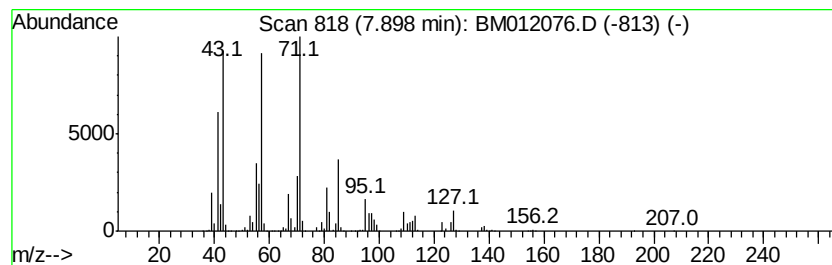
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	9.33 ng/ul	20172500	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	46
2			Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	46
3			Nonane, 1-iodo-	254	C9H19I	004282-42-2	43
4			Nonane, 5-butyl-	184	C13H28	017312-63-9	43
5			Decane, 4-methyl-	156	C11H24	002847-72-5	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-43(5-7)-092617

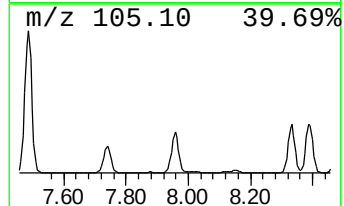
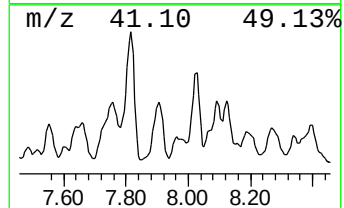
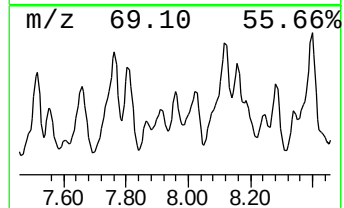
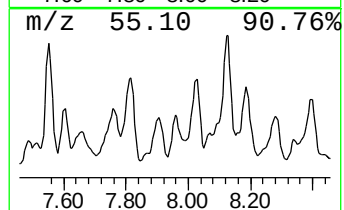
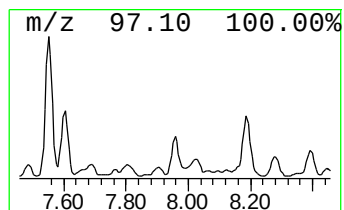
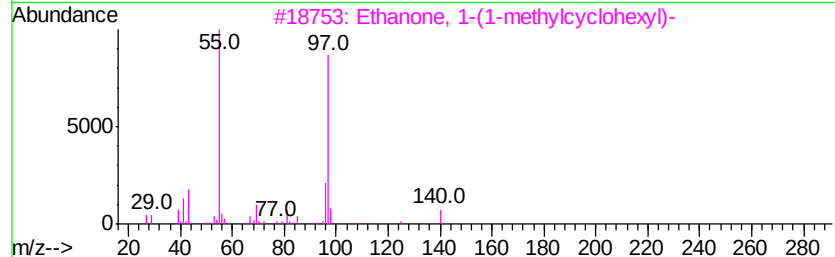
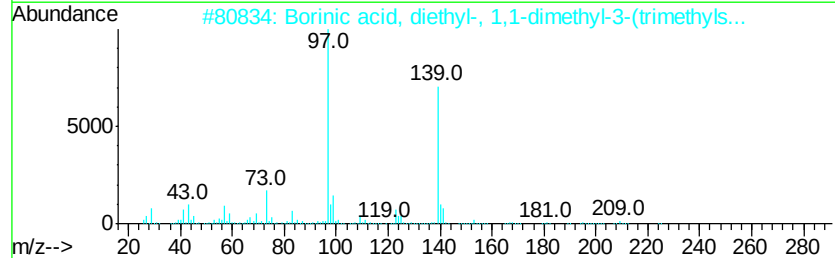
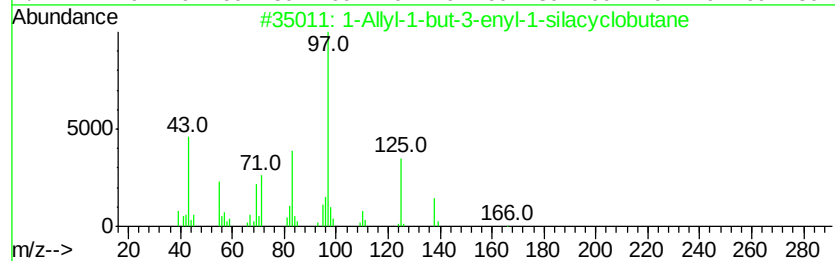
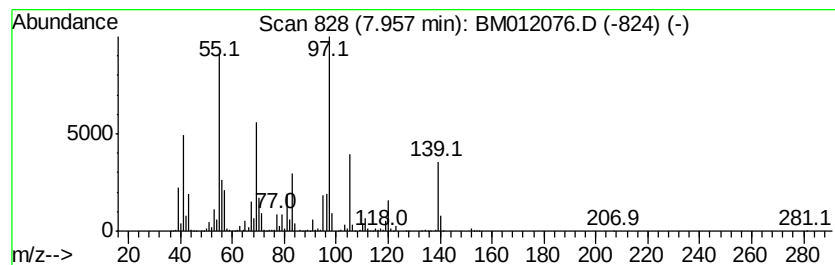
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-02 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	5.59 ng/ul	12089800	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Allyl-1-but-3-enyl-1-silacyclo...	166	C10H18Si	127597-51-7	47
2			Borinic acid, diethyl-, 1,1-dime...	224	C12H25BO3Si	074744-61-9	43
3			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	38
4			Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	38
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
B-43(5-7)-092617

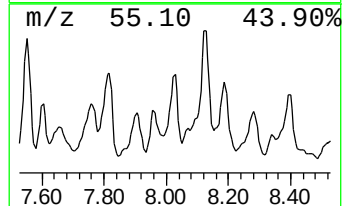
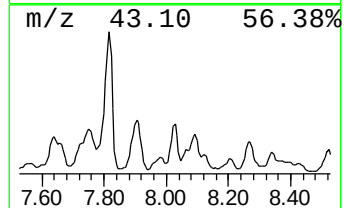
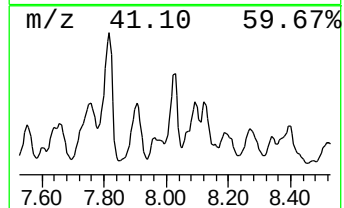
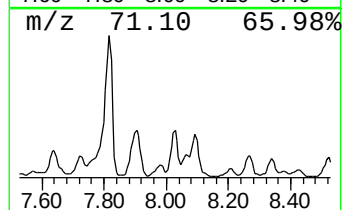
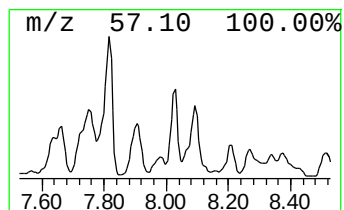
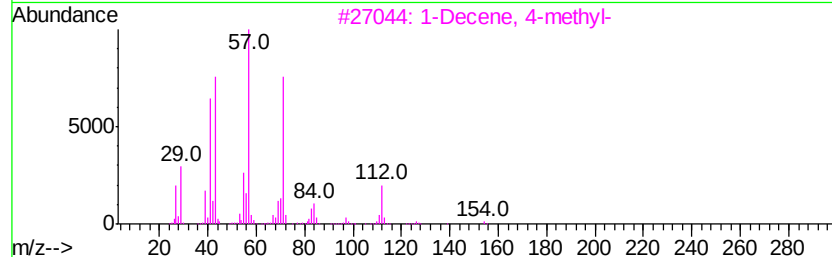
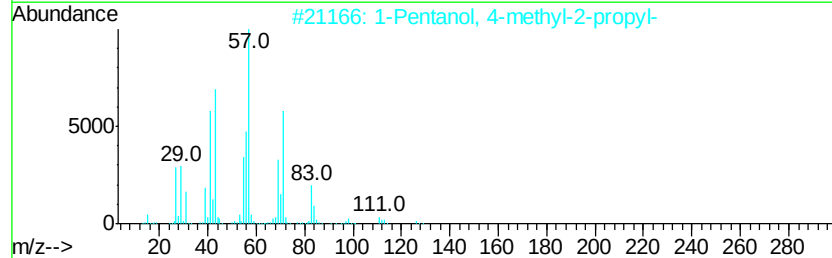
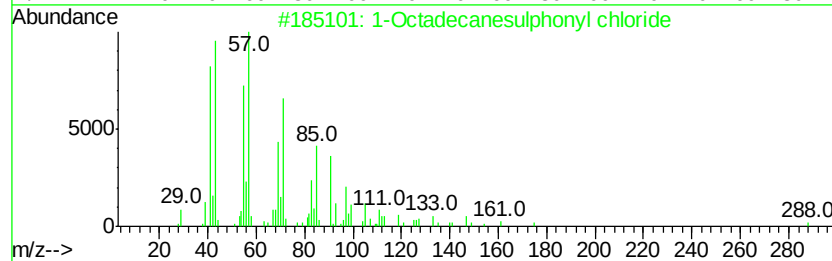
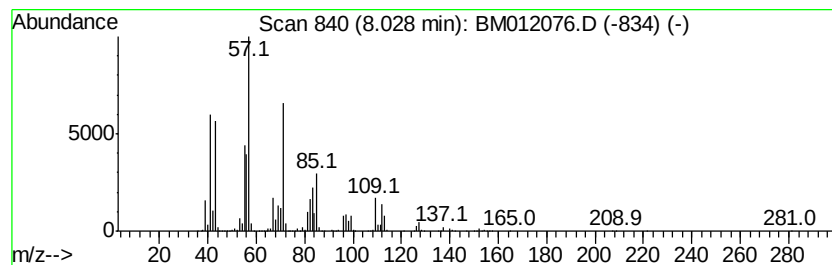
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1-Octadecanesulphonyl chloride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	11.63 ng/ul	25151800	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	64
2		1-Pentanol, 4-methyl-2-propyl-	144	C9H20O	054004-41-0	59
3		1-Decene, 4-methyl-	154	C11H22	013151-29-6	50
4		Hexadecane	226	C16H34	000544-76-3	49
5		Pentadecane	212	C15H32	000629-62-9	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-43(5-7)-092617

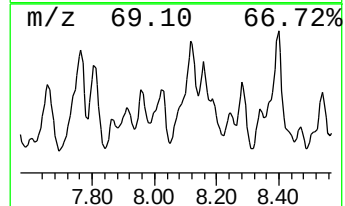
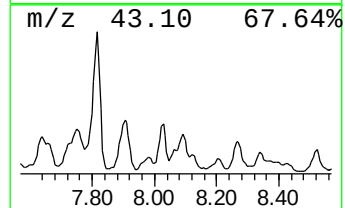
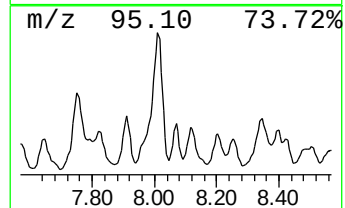
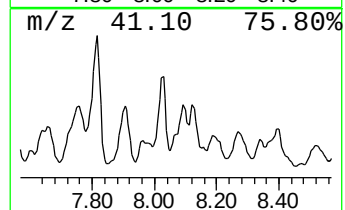
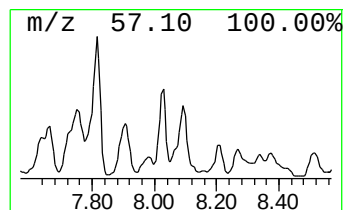
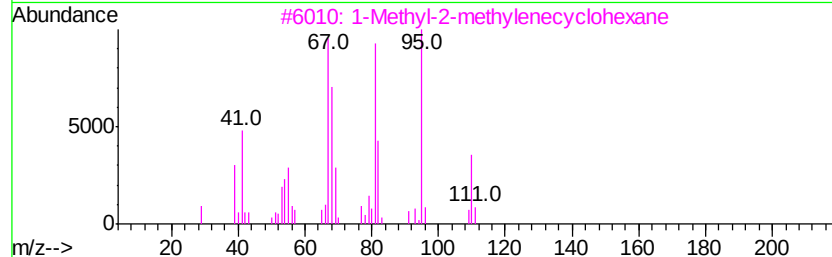
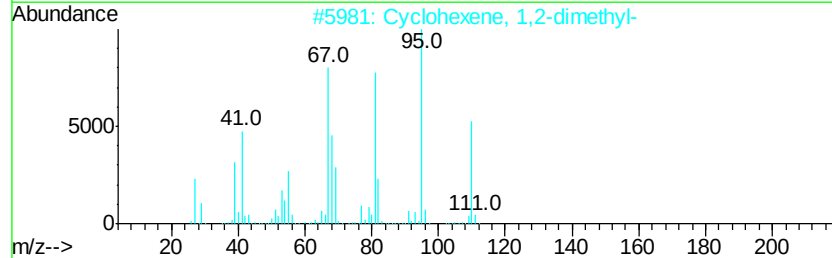
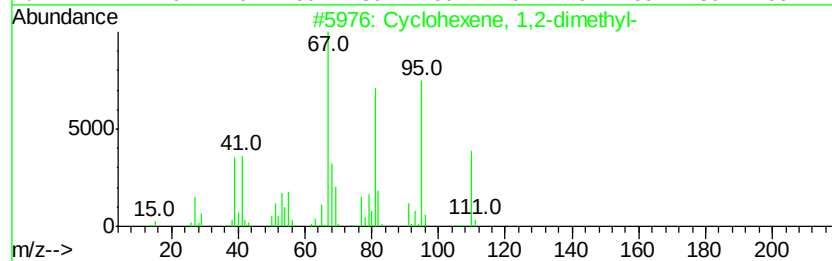
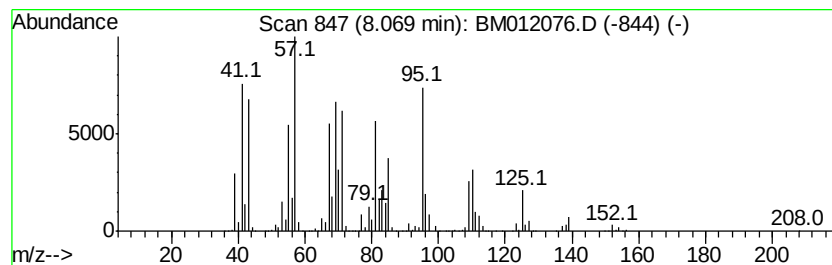
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Cyclohexene, 1,2-dimethyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	2.71 ng/ul	5870870	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	50
2			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	50
3			1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	46
4			Cyclopropane, tetramethylmethylen-	110	C8H14	054376-39-5	45
5			2,4-Hexadiene, 2,3-dimethyl-	110	C8H14	005678-98-8	45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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ClientSampleId :
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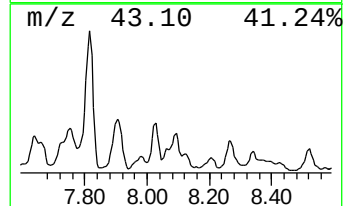
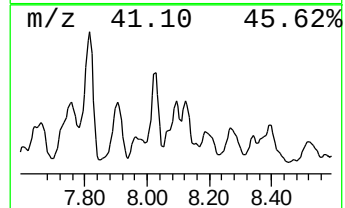
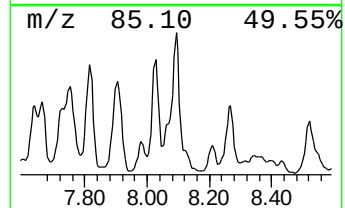
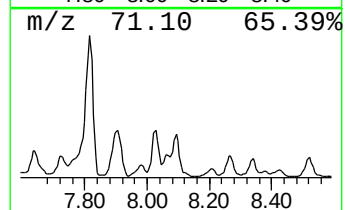
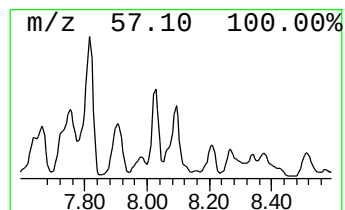
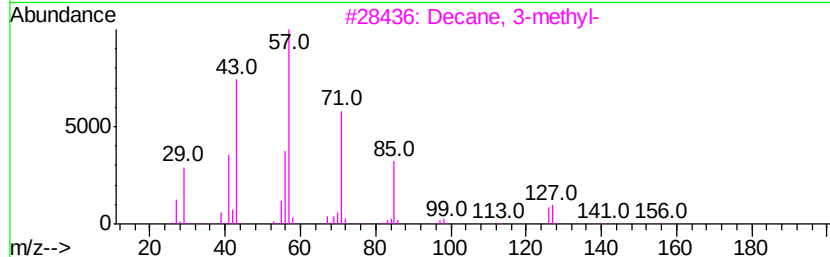
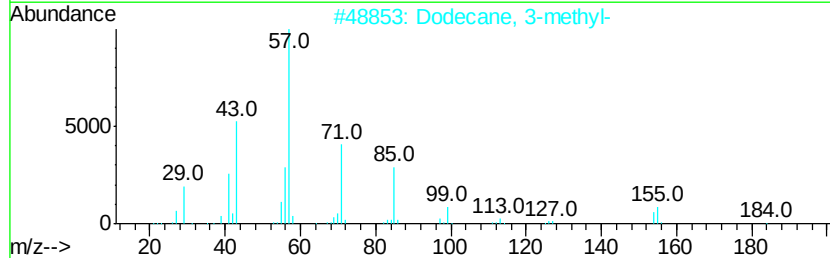
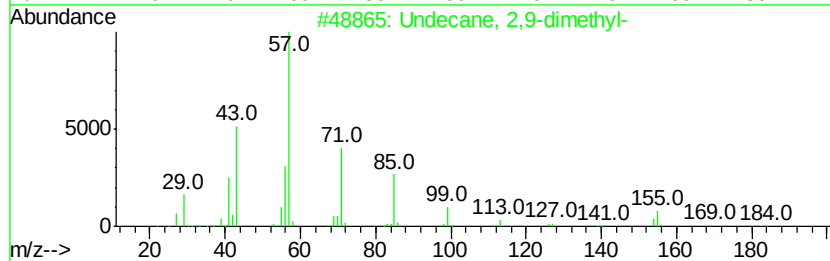
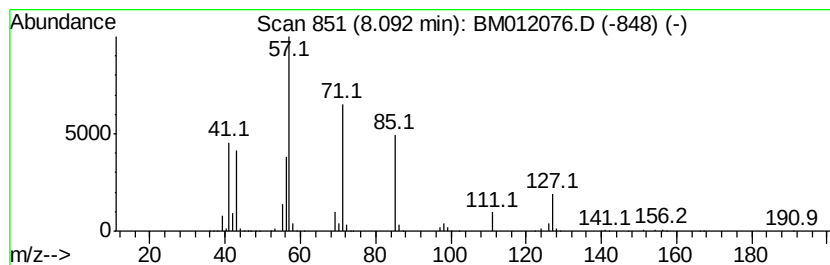
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	5.23 ng/ul	11305000	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
2			Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
3			Decane, 3-methyl-	156	C11H24	013151-34-3	58
4			Decane, 3-methyl-	156	C11H24	013151-34-3	53
5			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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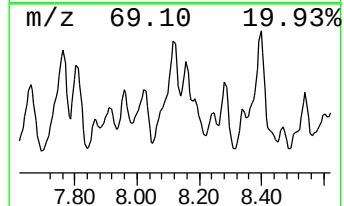
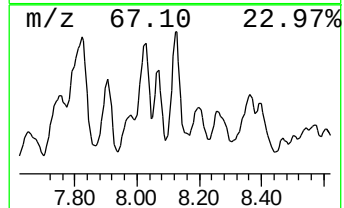
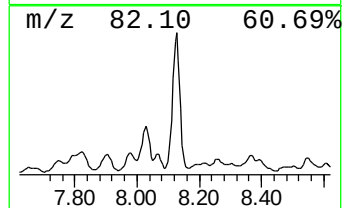
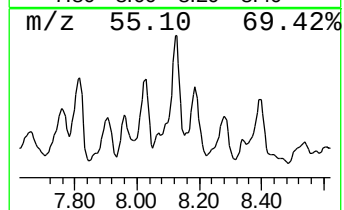
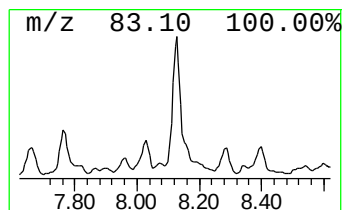
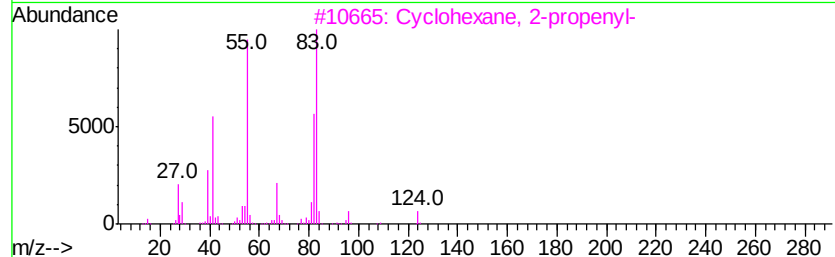
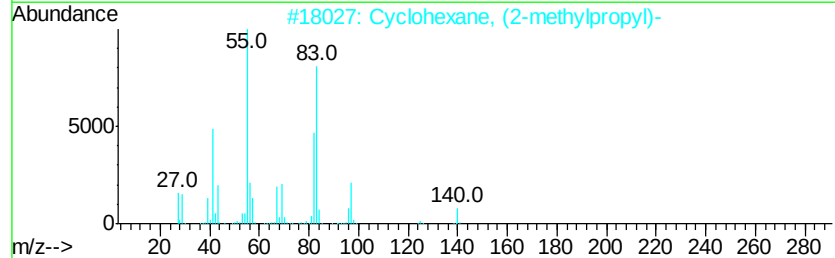
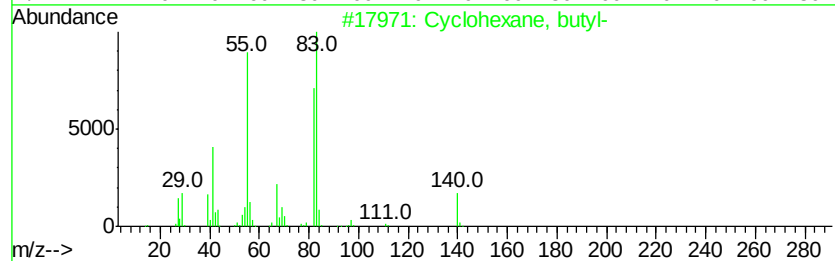
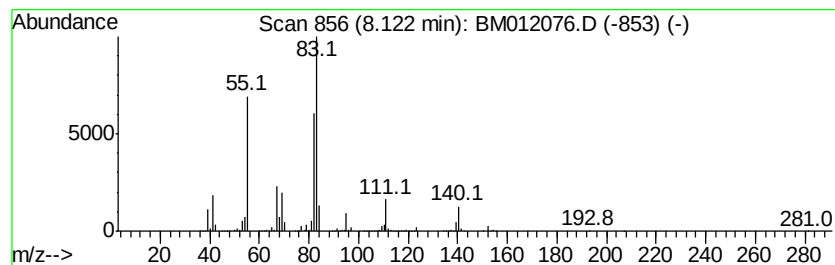
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Cyclic8.12 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	7.88 ng/ul	17044900	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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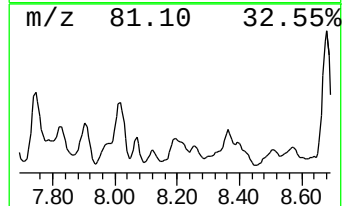
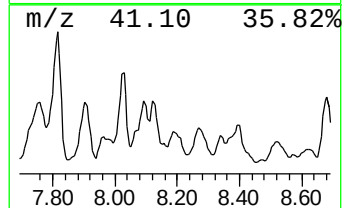
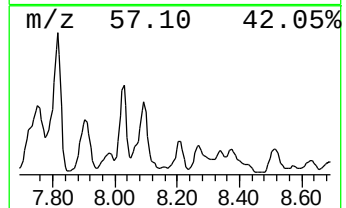
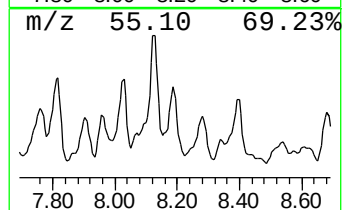
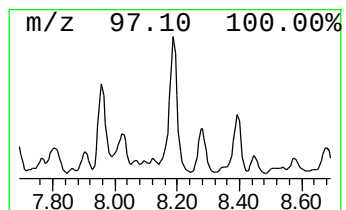
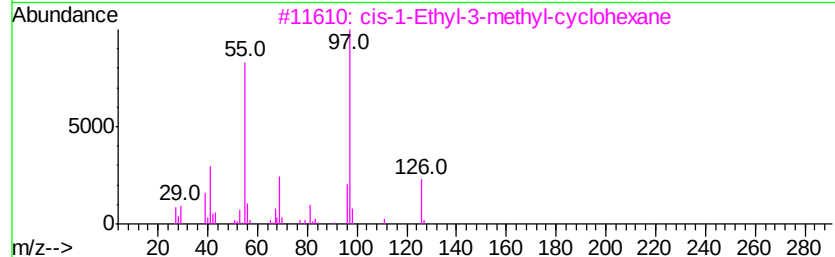
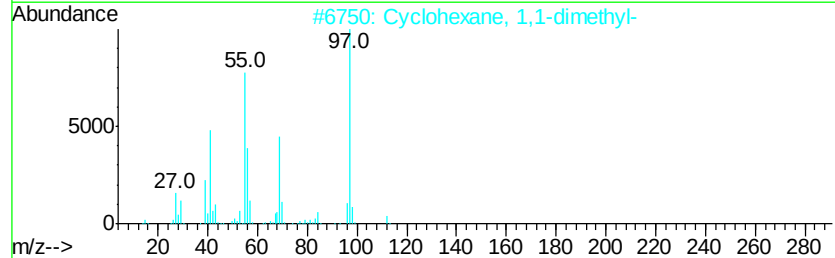
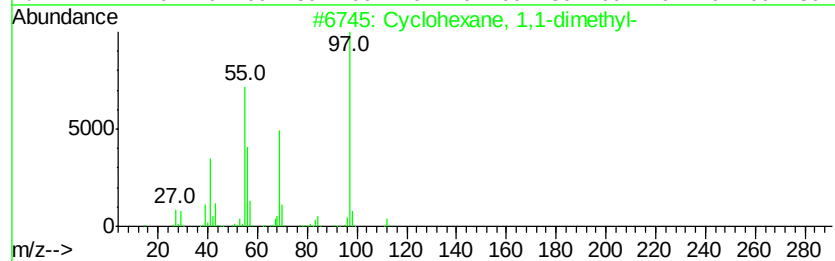
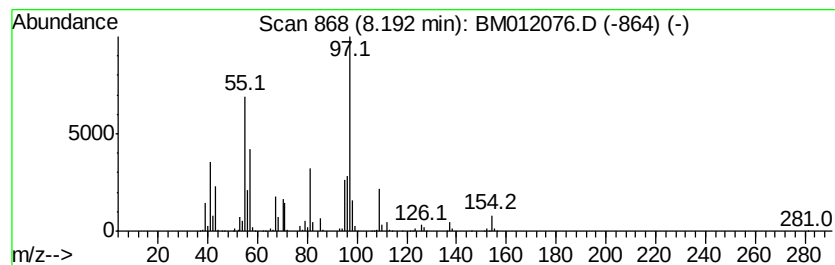
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Cyclic8.19 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	4.54 ng/ul	9819920	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	68
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	59
3			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53
4			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	53
5			trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
B-43(5-7)-092617

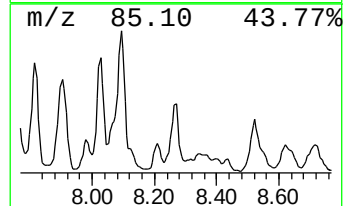
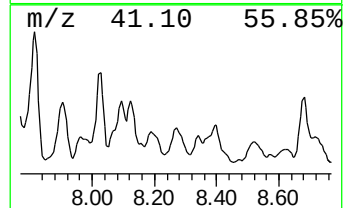
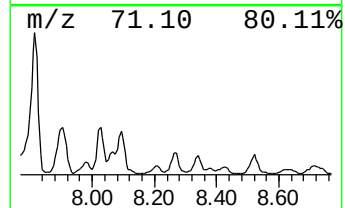
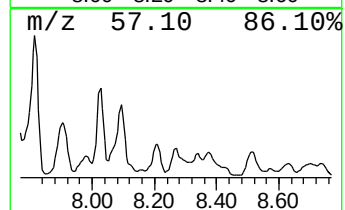
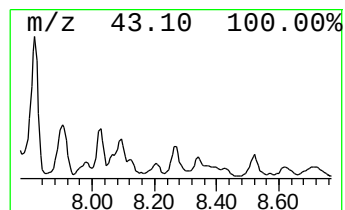
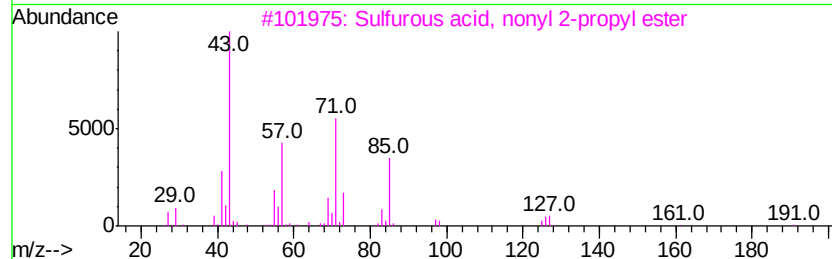
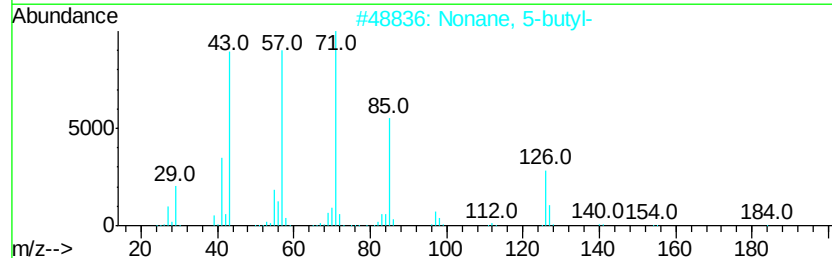
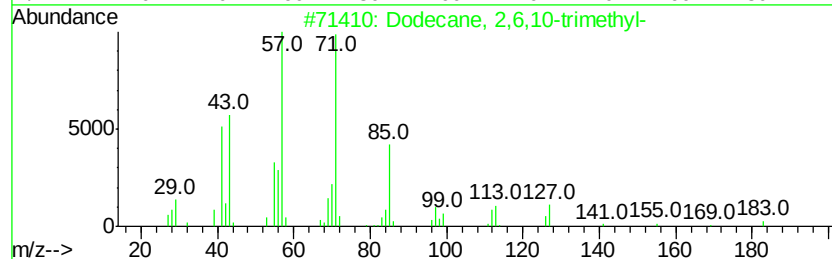
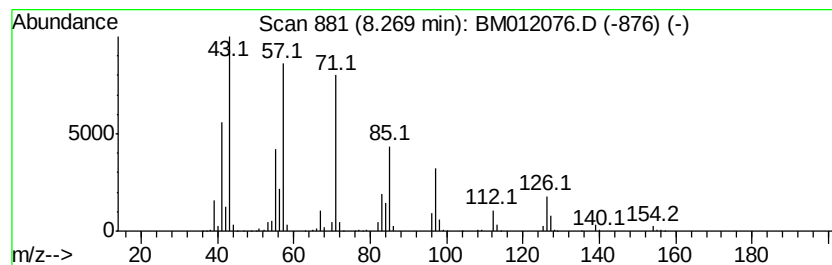
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	4.90 ng/ul	10590500	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	59
3		Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	53
4		Tetratetracontane	619	C44H90	007098-22-8	53
5		Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-43(5-7)-092617

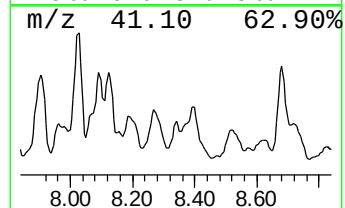
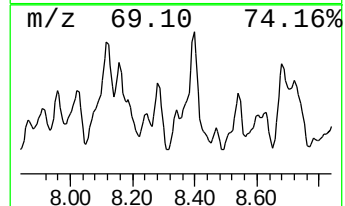
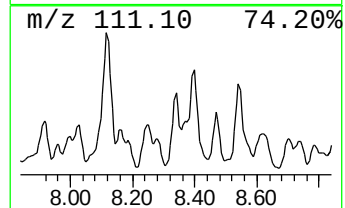
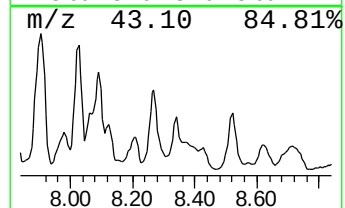
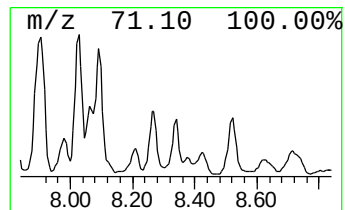
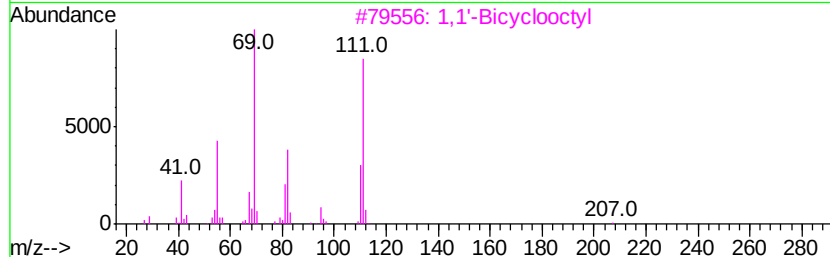
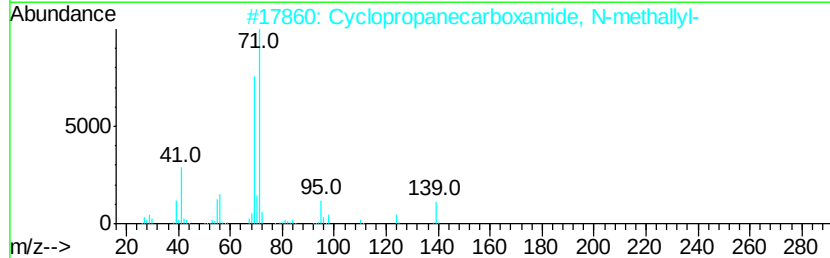
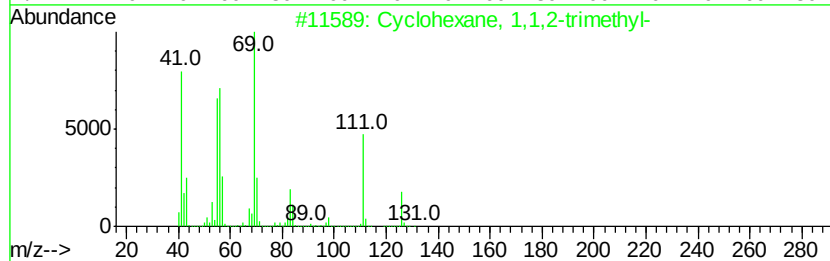
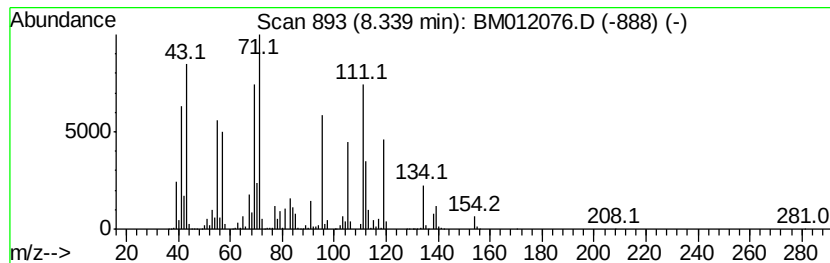
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Cyclic8.34 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	3.65 ng/ul	7890290	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	35
2		Cyclopropanecarboxamide, N-metha...	139	C8H13NO	1000340-05-6	35
3		1,1'-Bicyclooctyl	222	C16H30	006708-17-4	27
4		1,1'-Bicyclooctyl	222	C16H30	006708-17-4	27
5		1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	15



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
B-43(5-7)-092617

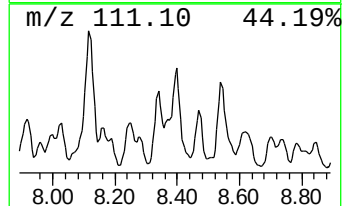
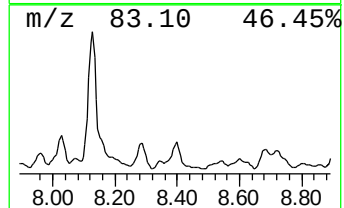
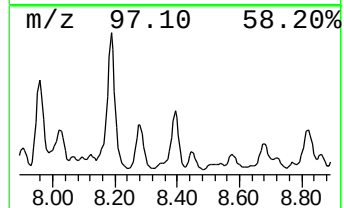
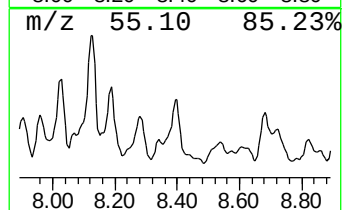
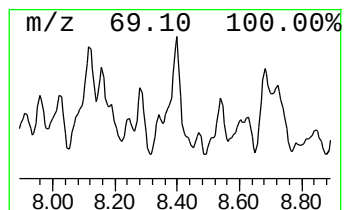
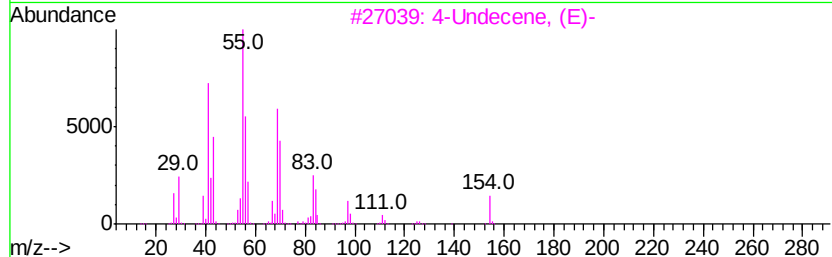
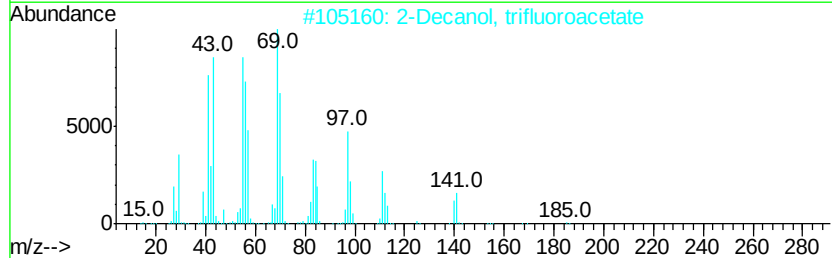
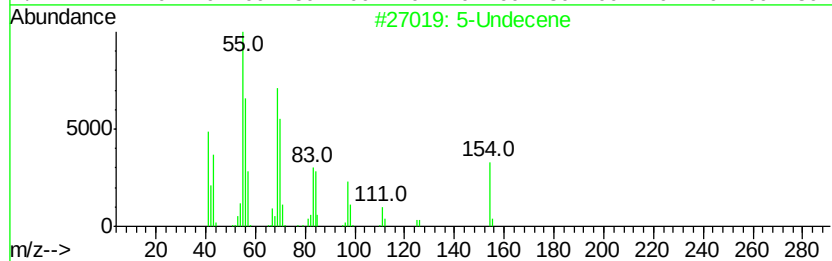
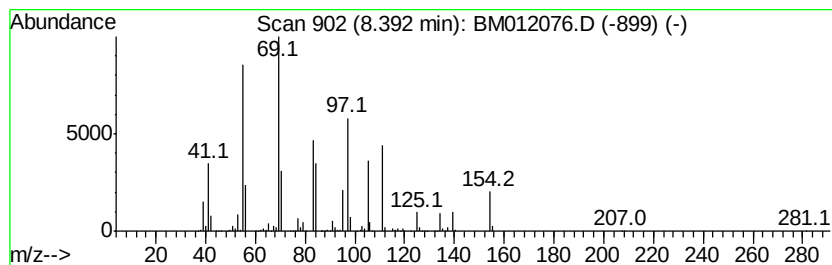
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Cyclic8.39 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	7.61 ng/ul	16454500	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Undecene	154	C11H22	004941-53-1	50
2			2-Decanol, trifluoroacetate	254	C12H21F3O2	1000352-32-8	40
3			4-Undecene, (E)-	154	C11H22	000693-62-9	38
4			Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	38
5			4-Undecene, (E)-	154	C11H22	000693-62-9	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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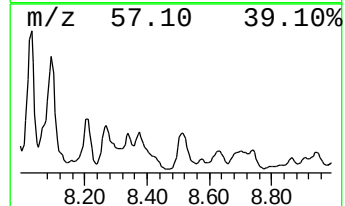
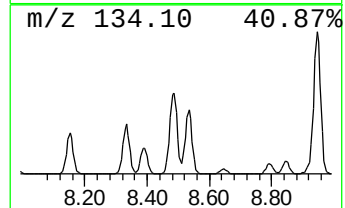
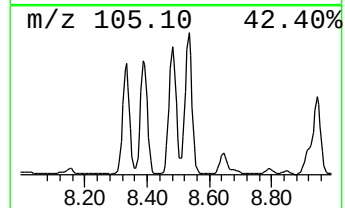
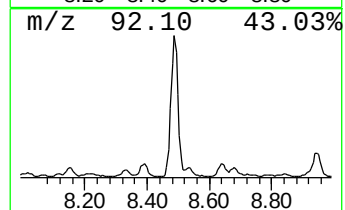
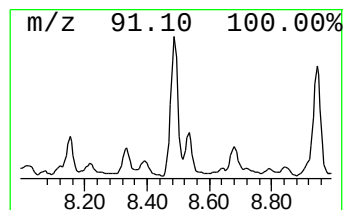
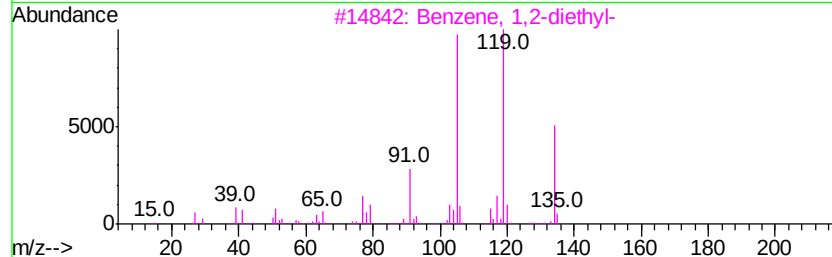
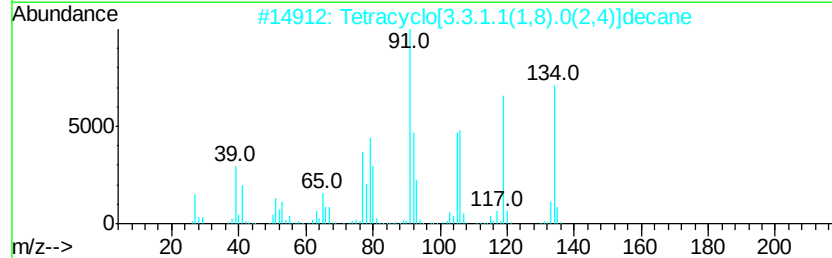
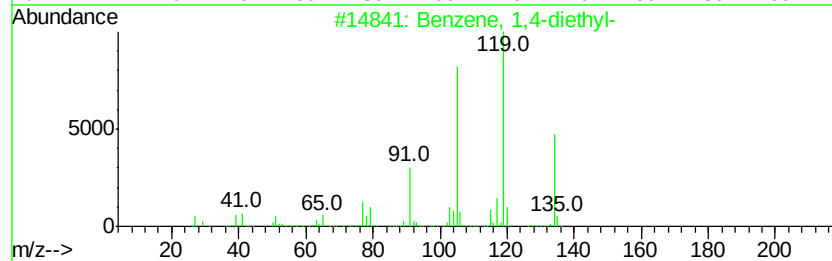
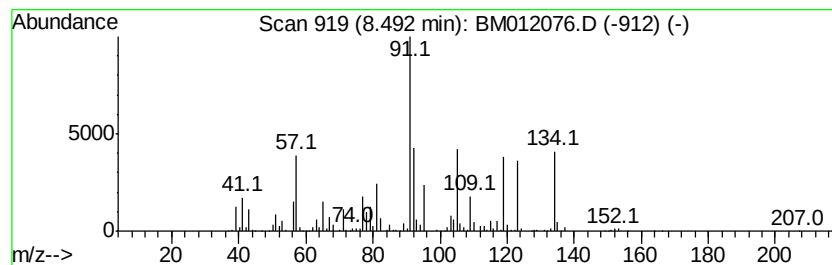
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Benzene, 1,4-diethyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	2.09 ng/ul	4511840	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
2		Tetracyclo[3.3.1.1(1,8).0(2,4)]d...	134	C10H14	1000185-58-7	64
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	64
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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Instrument :
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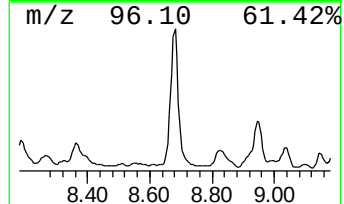
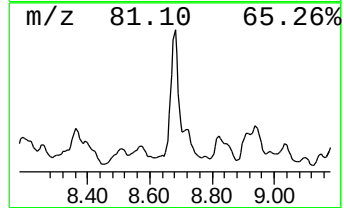
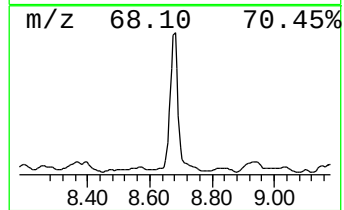
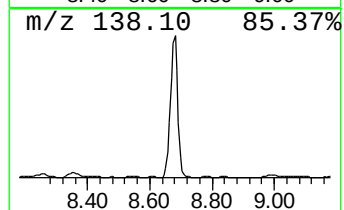
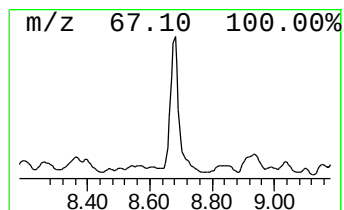
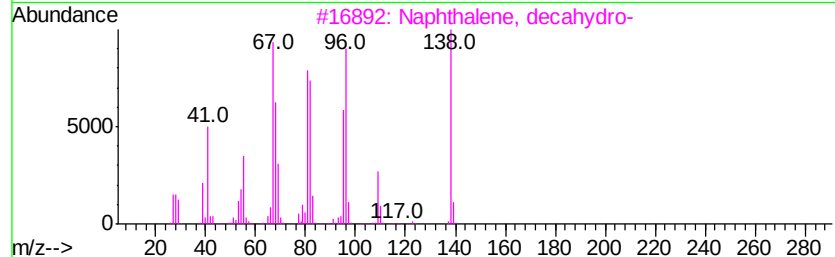
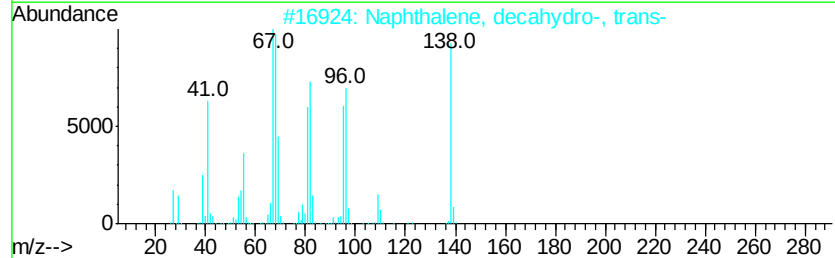
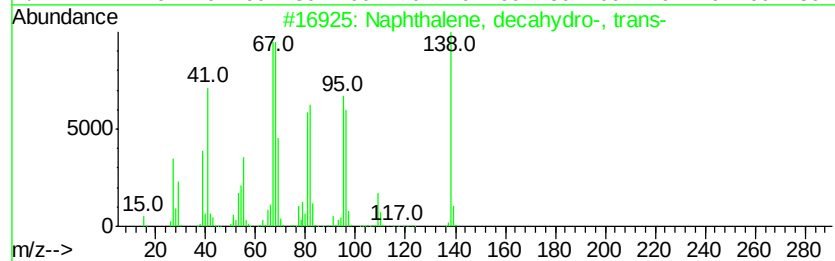
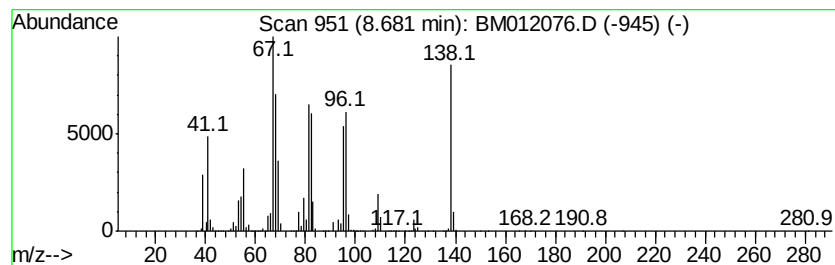
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Naphthalene, decahydro-, tr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	13.63 ng/ul	29478700	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	97
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
3		Naphthalene, decahydro-	138	C10H18	000091-17-8	96
4		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
5		Naphthalene, decahydro-	138	C10H18	000091-17-8	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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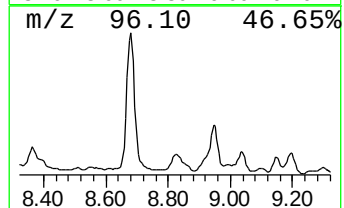
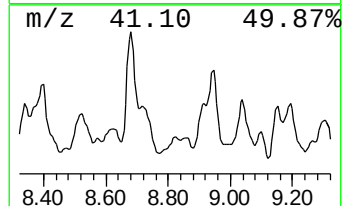
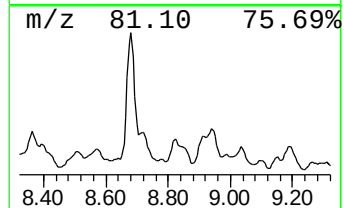
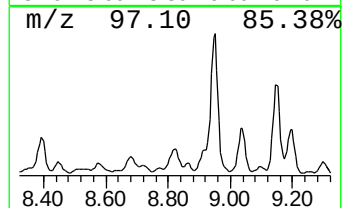
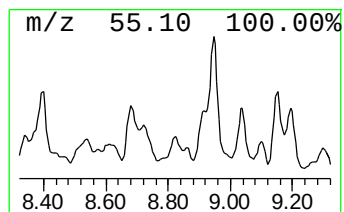
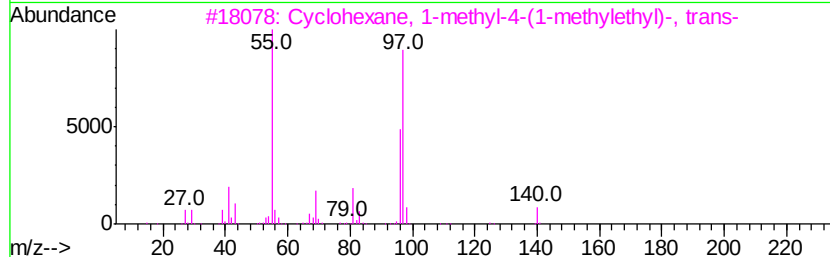
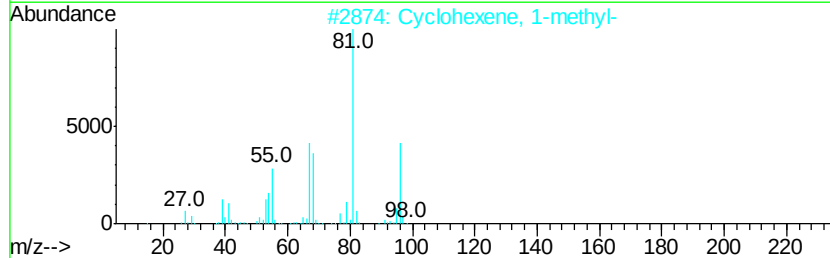
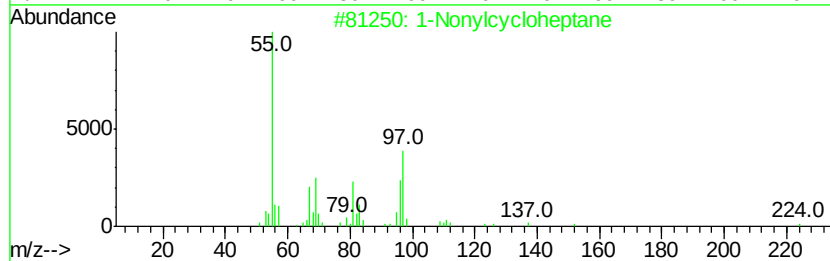
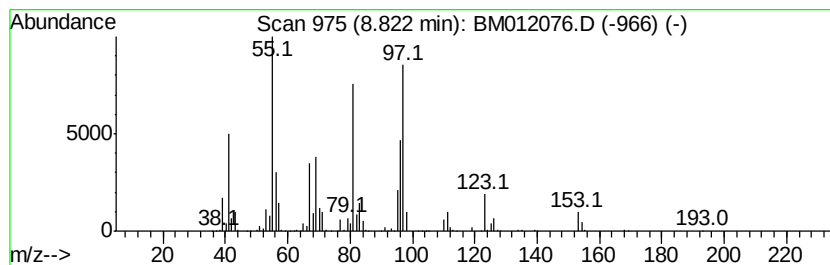
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 (DEL) Alkane: Cyclic8.82 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	2.20 ng/ul	4768540	1,4-Dichlorobenzene-d4	7.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1	1-Nonylcycloheptane	224 C16H32	1000371-47-7 50
2		Cyclohexene, 1-methyl-	96 C7H12	000591-49-1 43
3		Cyclohexane, 1-methyl-4-(1-methyl-...	140 C10H20	001678-82-6 38
4		Cyclohexane, 1-methyl-4-(1-methyl-...	140 C10H20	001678-82-6 38
5		Cyclohexane, 1-methyl-4-(1-methyl-...	140 C10H20	006069-98-3 38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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ALS Vial : 7 Sample Multiplier: 1

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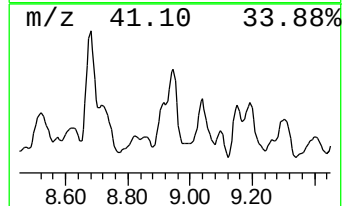
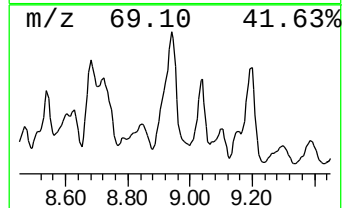
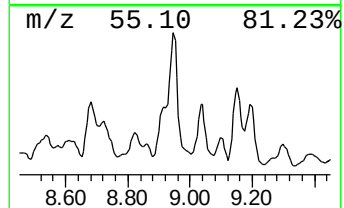
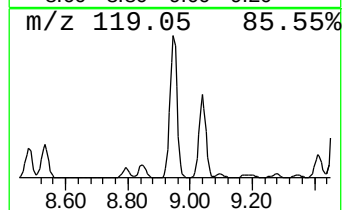
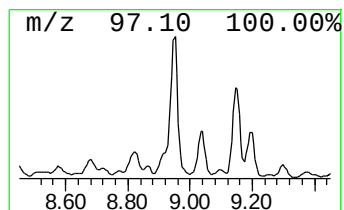
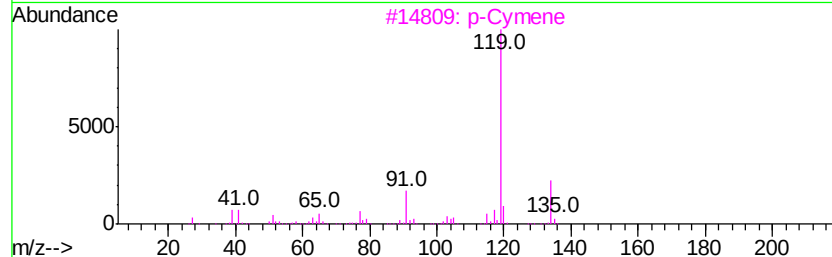
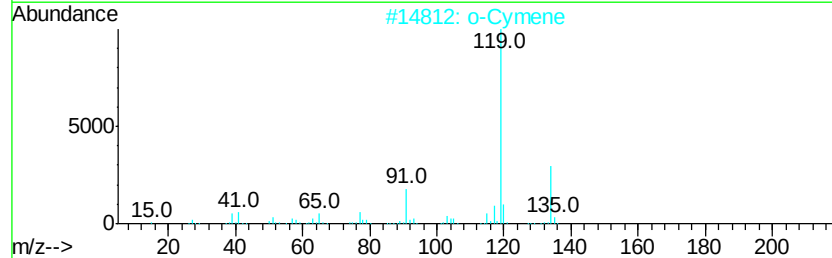
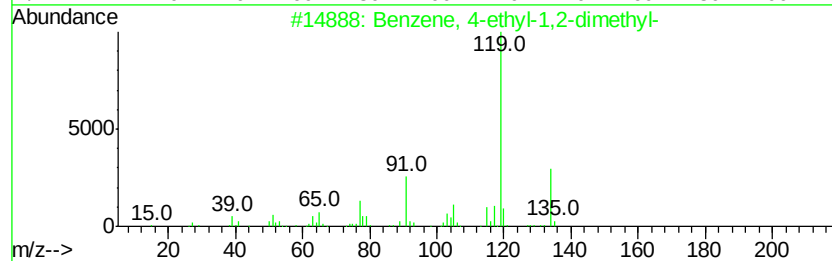
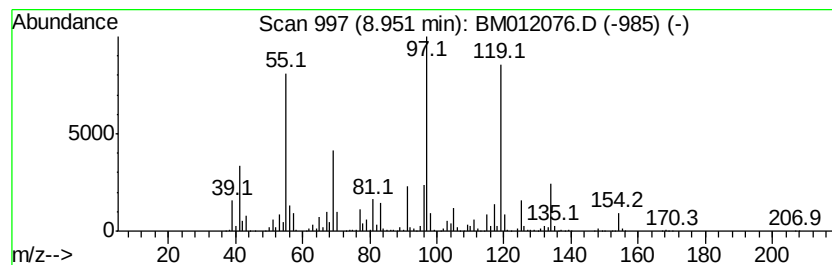
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	15.51 ng/ul	33559700	1,4-Dichlorobenzene-d4	7.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2		o-Cymene	134	C10H14	000527-84-4	80
3		p-Cymene	134	C10H14	000099-87-6	80
4		o-Cymene	134	C10H14	000527-84-4	80
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	80



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

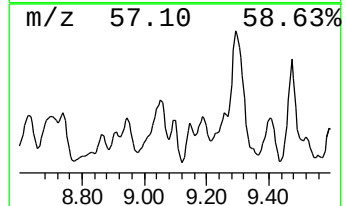
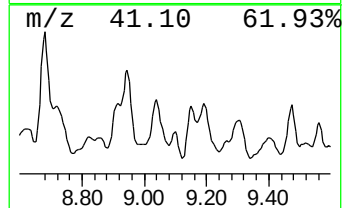
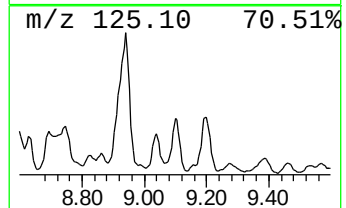
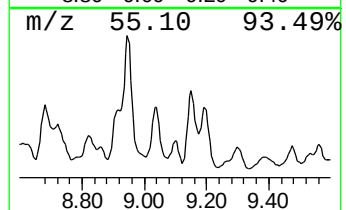
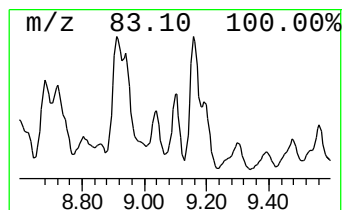
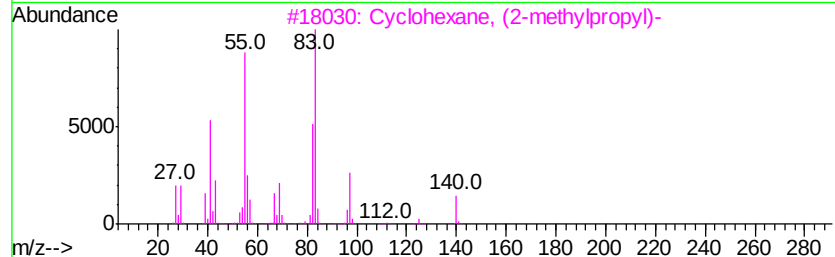
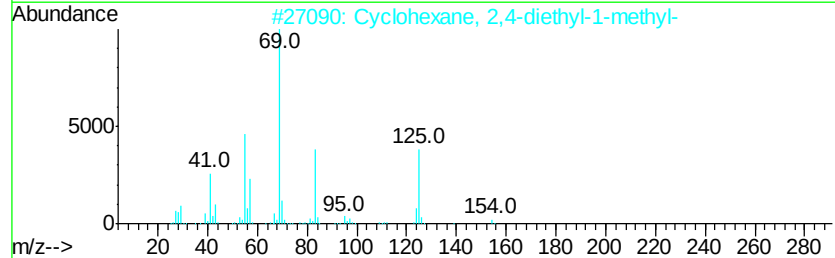
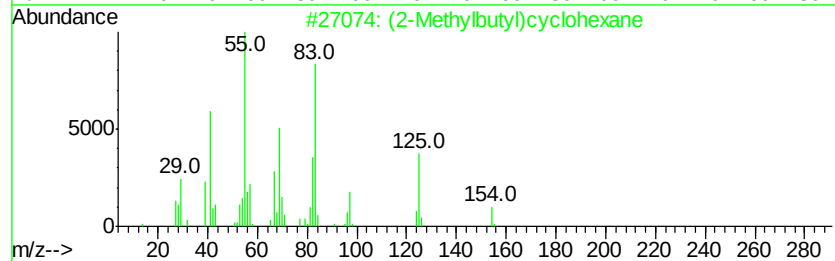
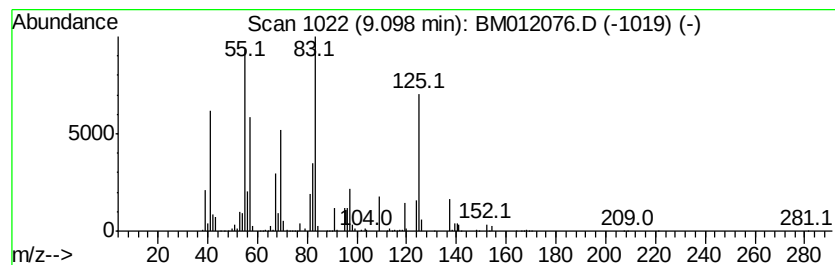
Instrument :
BNA_M
ClientSampleId :
B-43(5-7)-092617

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 (DEL) Alkane: Cyclic9.10 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	2.02 ng/ul	4369520	1,4-Dichlorobenzene-d4	7.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		(2-Methylbutyl)cyclohexane	154 C11H22	054105-77-0 53
2		Cyclohexane, 2,4-diethyl-1-methyl-	154 C11H22	061142-70-9 50
3		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 43
4		Oxalic acid, heptyl 1-menthyl ester	326 C19H34O4	1000314-97-5 35
5		Cyclohexane, 2-iodo-4-methyl-1-(...	266 C10H19I	064240-81-9 32



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
B-43(5-7)-092617

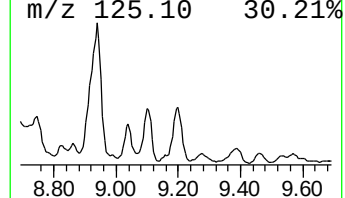
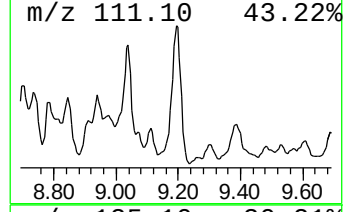
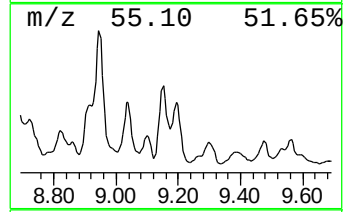
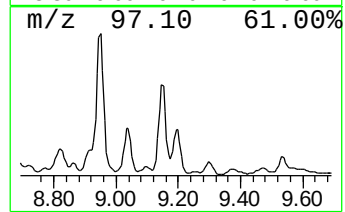
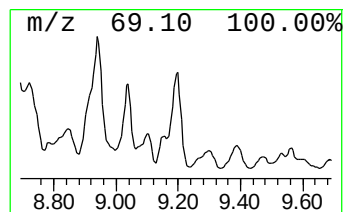
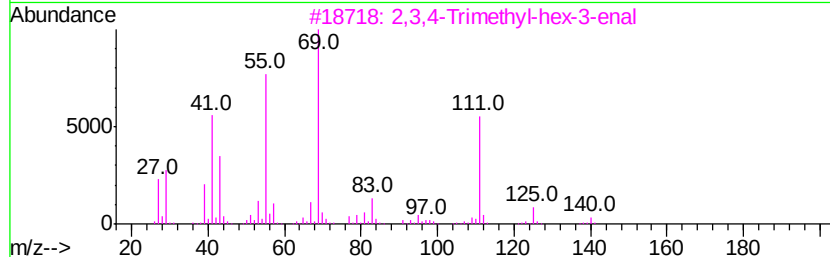
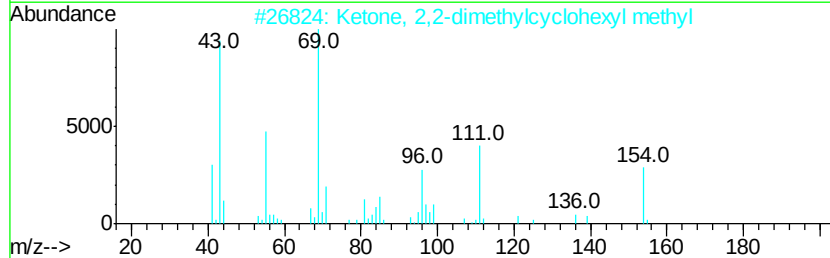
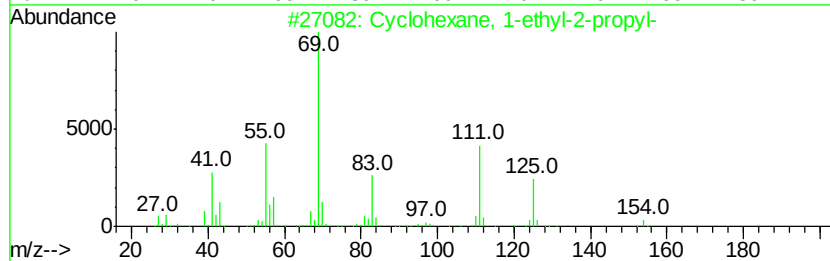
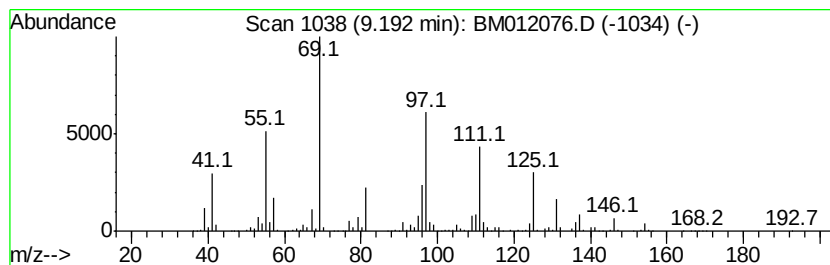
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Cyclic9.19 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	6.57 ng/ul	14215500	1,4-Dichlorobenzene-d4	7.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	60
2			Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	50
3			2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	43
4			Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	43
5			Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

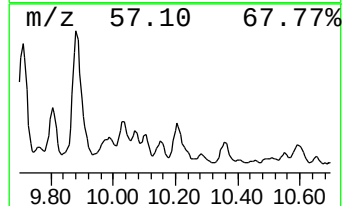
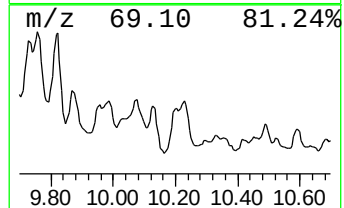
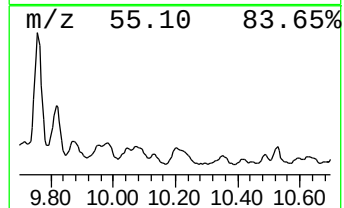
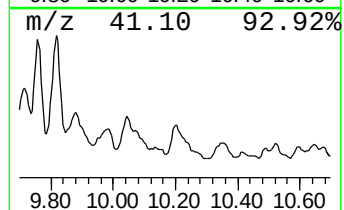
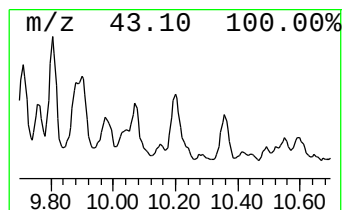
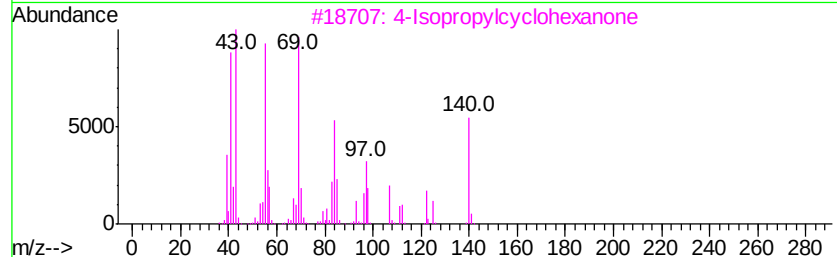
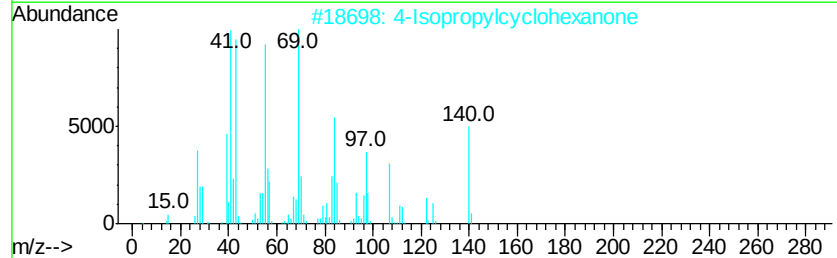
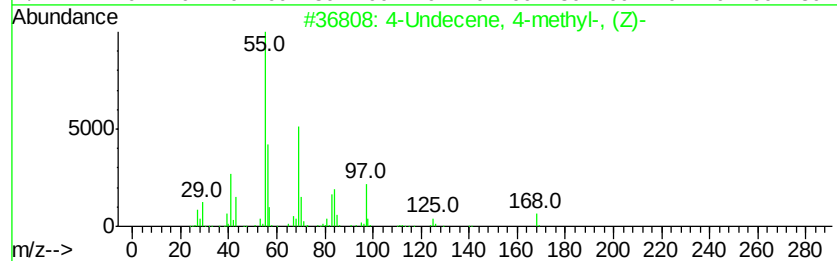
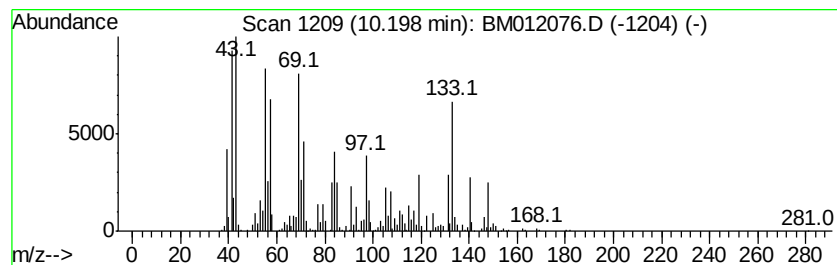
Instrument :
BNA_M
ClientSampleId :
B-43(5-7)-092617

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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

Peak Number 41 (DEL) Alkane: Cyclic10.20 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.20	11.14 ng/ul	3593810	Napthalene-d8	10.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Undecene, 4-methyl-, (Z)-	168	C12H24	074630-57-2	42
2	4-Isopropylcyclohexanone	140	C9H16O	005432-85-9	38
3	4-Isopropylcyclohexanone	140	C9H16O	005432-85-9	25
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	25
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101117\
 Data File : BM012076.D
 Acq On : 11 Oct 2017 19:07
 Operator : SJ/JU
 Sample : I5490-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-43(5-7)-092617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	6.09	5.9	ng/ul	12673700	1	7.85	43261900	20.0
(DEL) Alkane: Str...	6.21	3.0	ng/ul	6411320	1	7.85	43261900	20.0
(DEL) Alkane: Str...	6.30	3.6	ng/ul	7776160	1	7.85	43261900	20.0
(DEL) Alkane: Str...	6.38	6.2	ng/ul	13374100	1	7.85	43261900	20.0
(DEL) Alkane: Str...	6.43	2.3	ng/ul	4951780	1	7.85	43261900	20.0
(DEL) Alkane: Str...	6.49	10.9	ng/ul	23690100	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	6.58	2.9	ng/ul	6265530	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	6.65	3.7	ng/ul	8095240	1	7.85	43261900	20.0
(DEL) Alkane: Str...	6.70	6.3	ng/ul	13725200	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	6.92	4.0	ng/ul	8733550	1	7.85	43261900	20.0
2,4-Dodecadienal,...	7.12	2.4	ng/ul	5208240	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	7.32	7.4	ng/ul	15932400	1	7.85	43261900	20.0
Benzene, 1,2,3-tr...	7.49	3.3	ng/ul	7079190	1	7.85	43261900	20.0
Sulfuric acid, c...	7.55	5.5	ng/ul	11978800	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	7.64	2.4	ng/ul	5125040	1	7.85	43261900	20.0
unknown-01	7.76	14.6	ng/ul	31549700	1	7.85	43261900	20.0
(DEL) Alkane: Str...	7.90	9.3	ng/ul	20172500	1	7.85	43261900	20.0
unknown-02	7.96	5.6	ng/ul	12089800	1	7.85	43261900	20.0
1-Octadecanesulph...	8.03	11.6	ng/ul	25151800	1	7.85	43261900	20.0
Cyclohexene, 1,2-...	8.07	2.7	ng/ul	5870870	1	7.85	43261900	20.0
(DEL) Alkane: Str...	8.09	5.2	ng/ul	11305000	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	8.12	7.9	ng/ul	17044900	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	8.19	4.5	ng/ul	9819920	1	7.85	43261900	20.0
(DEL) Alkane: Str...	8.27	4.9	ng/ul	10590500	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	8.34	3.6	ng/ul	7890290	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	8.39	7.6	ng/ul	16454500	1	7.85	43261900	20.0
Benzene, 1,4-diet...	8.49	2.1	ng/ul	4511840	1	7.85	43261900	20.0
Naphthalene, deca...	8.68	13.6	ng/ul	29478700	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	8.82	2.2	ng/ul	4768540	1	7.85	43261900	20.0
Benzene, 4-ethyl-...	8.95	15.5	ng/ul	33559700	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	9.10	2.0	ng/ul	4369520	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	9.19	6.6	ng/ul	14215500	1	7.85	43261900	20.0
(DEL) Alkane: Cyc...	10.20	11.1	ng/ul	3593810	2	10.65	6451610	20.0