

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
 Data File : BM012432.D
 Acq On : 25 Oct 2017 00:14
 Operator : SJ/JU
 Sample : I6032-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TWP-B-31

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	4.281	196	203	207	rBV2	1083553	1649597	3.98%	0.357%
2	4.563	246	251	259	rVB	1119809	1646274	3.97%	0.356%
3	4.646	259	265	270	rBV2	648258	1054257	2.54%	0.228%
4	4.940	311	315	321	rBV	671009	1026465	2.48%	0.222%
5	5.004	321	326	330	rVV3	587921	1046301	2.52%	0.226%
6	5.051	330	334	338	rVV	1712717	2399042	5.79%	0.519%
7	5.104	338	343	349	rVV2	1614947	2381002	5.74%	0.515%
8	5.346	379	384	388	rVV3	1079907	1984254	4.79%	0.429%
9	5.540	412	417	423	rBV	656709	1204944	2.91%	0.261%
10	5.604	423	428	436	rVB	1023758	1756631	4.24%	0.380%
11	5.704	436	445	451	rBV2	552983	1003438	2.42%	0.217%
12	5.775	451	457	462	rBV2	1148238	2092137	5.05%	0.452%
13	5.851	465	470	475	rBV2	1291374	1824309	4.40%	0.394%
14	5.916	475	481	489	rVB5	627236	1441929	3.48%	0.312%
15	5.993	489	494	503	rBV	826753	1269976	3.06%	0.275%
16	6.169	516	524	533	rBV5	1832200	5099409	12.30%	1.103%
17	6.287	537	544	551	rVB3	725666	1711896	4.13%	0.370%
18	6.404	554	564	568	rBV4	2021368	4715235	11.37%	1.019%
19	6.451	568	572	576	rBV	1767730	2256810	5.44%	0.488%
20	6.528	576	585	589	rBV5	1994015	4690153	11.31%	1.014%
21	6.563	589	591	600	rVB	1464134	2156922	5.20%	0.466%
22	6.710	610	616	622	rVB3	903606	1537696	3.71%	0.332%
23	6.787	622	629	635	rBV4	1010606	2559217	6.17%	0.553%
24	6.881	635	645	651	rBV5	2290204	4850233	11.70%	1.049%
25	7.034	666	671	678	rBV3	3303814	7006336	16.90%	1.515%
26	7.210	696	701	707	rVB	2697037	4589091	11.07%	0.992%
27	7.275	707	712	716	rBV2	1458901	2198922	5.30%	0.475%
28	7.375	725	729	732	rVV	1109204	1615639	3.90%	0.349%
29	7.410	732	735	739	rVV	2375749	3545180	8.55%	0.766%
30	7.534	751	756	761	rBV	3736024	5227339	12.61%	1.130%
31	7.604	763	768	774	rVB2	2273567	4094665	9.87%	0.885%
32	7.810	794	803	807	rBV5	1077224	3000334	7.24%	0.649%
33	7.875	807	814	820	rVV2	5289390	9844937	23.74%	2.129%
34	7.957	820	828	832	rVV7	1033296	2424825	5.85%	0.524%

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35	8.004	832	836	843	rVV4	742515	1966241	4.74%	0.425%
36	8.075	843	848	852	rVV2	1231420	1958104	4.72%	0.423%
37	8.157	852	862	873	rVV	21694788	41467509	100.00%	8.965%
38	8.257	873	879	884	rVB	3090336	5092072	12.28%	1.101%
39	8.375	894	899	903	rBV	3808686	5813124	14.02%	1.257%
40	8.416	903	906	913	rVV5	1174599	3027759	7.30%	0.655%
41	8.475	913	916	920	rVB2	876153	1190724	2.87%	0.257%
42	8.522	920	924	928	rBV	1930084	2761854	6.66%	0.597%
43	8.575	928	933	942	rVB3	4258336	7572791	18.26%	1.637%
44	8.687	948	952	954	rVV	796377	1123885	2.71%	0.243%
45	8.716	954	957	962	rVB	1462974	1986813	4.79%	0.430%
46	8.834	973	977	981	rVB	1523403	2046342	4.93%	0.442%
47	8.887	981	986	993	rVB	1680201	2540475	6.13%	0.549%
48	8.987	994	1003	1008	rBV	9221828	15416228	37.18%	3.333%
49	9.034	1008	1011	1014	rVV	2768809	4529159	10.92%	0.979%
50	9.075	1014	1018	1028	rVB4	4382374	10367947	25.00%	2.242%
51	9.216	1035	1042	1053	rBV9	2035084	6620197	15.96%	1.431%
52	9.334	1053	1062	1065	rBV2	1263124	3174219	7.65%	0.686%
53	9.369	1065	1068	1075	rVB2	1846213	2840863	6.85%	0.614%
54	9.469	1078	1085	1087	rBV4	794598	1573674	3.79%	0.340%
55	9.510	1087	1092	1097	rVV	5837062	9016931	21.74%	1.949%
56	9.563	1097	1101	1106	rVB2	2587916	3856211	9.30%	0.834%
57	9.698	1118	1124	1128	rBV2	1633492	2958585	7.13%	0.640%
58	9.757	1128	1134	1139	rVB5	2624061	5023896	12.12%	1.086%
59	9.869	1147	1153	1159	rBV4	1601416	3664605	8.84%	0.792%
60	9.928	1159	1163	1167	rVB2	931650	1333914	3.22%	0.288%
61	10.081	1182	1189	1195	rVV2	6684839	12378287	29.85%	2.676%
62	10.145	1195	1200	1209	rVV2	770866	1631692	3.93%	0.353%
63	10.292	1217	1225	1233	rVV2	4139725	8659604	20.88%	1.872%
64	10.375	1234	1239	1250	rVB	657762	1336687	3.22%	0.289%
65	10.669	1279	1289	1294	rBV2	3868594	7741406	18.67%	1.674%
66	10.722	1294	1298	1305	rVV4	1157930	2295383	5.54%	0.496%
67	10.810	1305	1313	1323	rVV3	851779	2690039	6.49%	0.582%
68	11.275	1383	1392	1399	rBV5	408252	1171431	2.82%	0.253%
69	11.880	1488	1495	1504	rBV4	1094536	2358549	5.69%	0.510%
70	12.010	1511	1517	1522	rBV	3046484	4653178	11.22%	1.006%
71	12.545	1601	1608	1613	rVV2	1277816	2135871	5.15%	0.462%

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72	12.633	1613	1623	1631	rVV3	1147619	2410334	5.81%	0.521%
73	12.851	1655	1660	1664	rBV	996878	1337259	3.22%	0.289%
74	12.922	1664	1672	1676	rVB	1877371	2816106	6.79%	0.609%
75	13.351	1740	1745	1751	rVB	2786723	3819766	9.21%	0.826%
76	13.916	1836	1841	1849	rVB	7256095	10268830	24.76%	2.220%
77	14.004	1850	1856	1860	rBV3	789647	1315812	3.17%	0.284%
78	14.198	1883	1889	1898	rVV	7971220	12103642	29.19%	2.617%
79	14.374	1914	1919	1930	rVB2	1017828	1676229	4.04%	0.362%
80	14.510	1931	1942	1947	rBV2	6033541	10704165	25.81%	2.314%
81	14.569	1947	1952	1961	rVV	2537296	4966460	11.98%	1.074%
82	14.639	1961	1964	1969	rVV6	525569	1023740	2.47%	0.221%
83	14.698	1969	1974	1983	rVB2	1045694	1891450	4.56%	0.409%
84	14.910	2005	2010	2016	rBV2	1624666	2539412	6.12%	0.549%
85	14.980	2018	2022	2026	rVV2	731567	995308	2.40%	0.215%
86	15.074	2034	2038	2041	rBV2	678697	1041813	2.51%	0.225%
87	15.127	2041	2047	2052	rVB2	1383260	2862836	6.90%	0.619%
88	15.498	2104	2110	2116	rBV	10204402	14427745	34.79%	3.119%
89	15.610	2121	2129	2137	rVB	2938586	4954108	11.95%	1.071%
90	16.498	2272	2280	2288	rBV5	688775	2059860	4.97%	0.445%
91	16.598	2289	2297	2304	rBV4	1559616	3641523	8.78%	0.787%
92	17.021	2365	2369	2376	rVB3	744029	1130037	2.73%	0.244%
93	17.245	2402	2407	2413	rVB2	6834914	9864428	23.79%	2.133%
94	17.345	2419	2424	2433	rVB	11126911	15789496	38.08%	3.414%
95	18.868	2678	2683	2691	rVB	4550938	5738406	13.84%	1.241%
96	19.362	2762	2767	2772	rVB	3346694	4193995	10.11%	0.907%
97	19.633	2807	2813	2818	rBV	11961420	16445251	39.66%	3.556%
98	21.415	3111	3116	3121	rBV	7370999	9253409	22.31%	2.001%
99	23.574	3475	3483	3490	rBV2	6570899	12448248	30.02%	2.691%
100	23.715	3501	3507	3521	rVB2	4078929	7924980	19.11%	1.713%

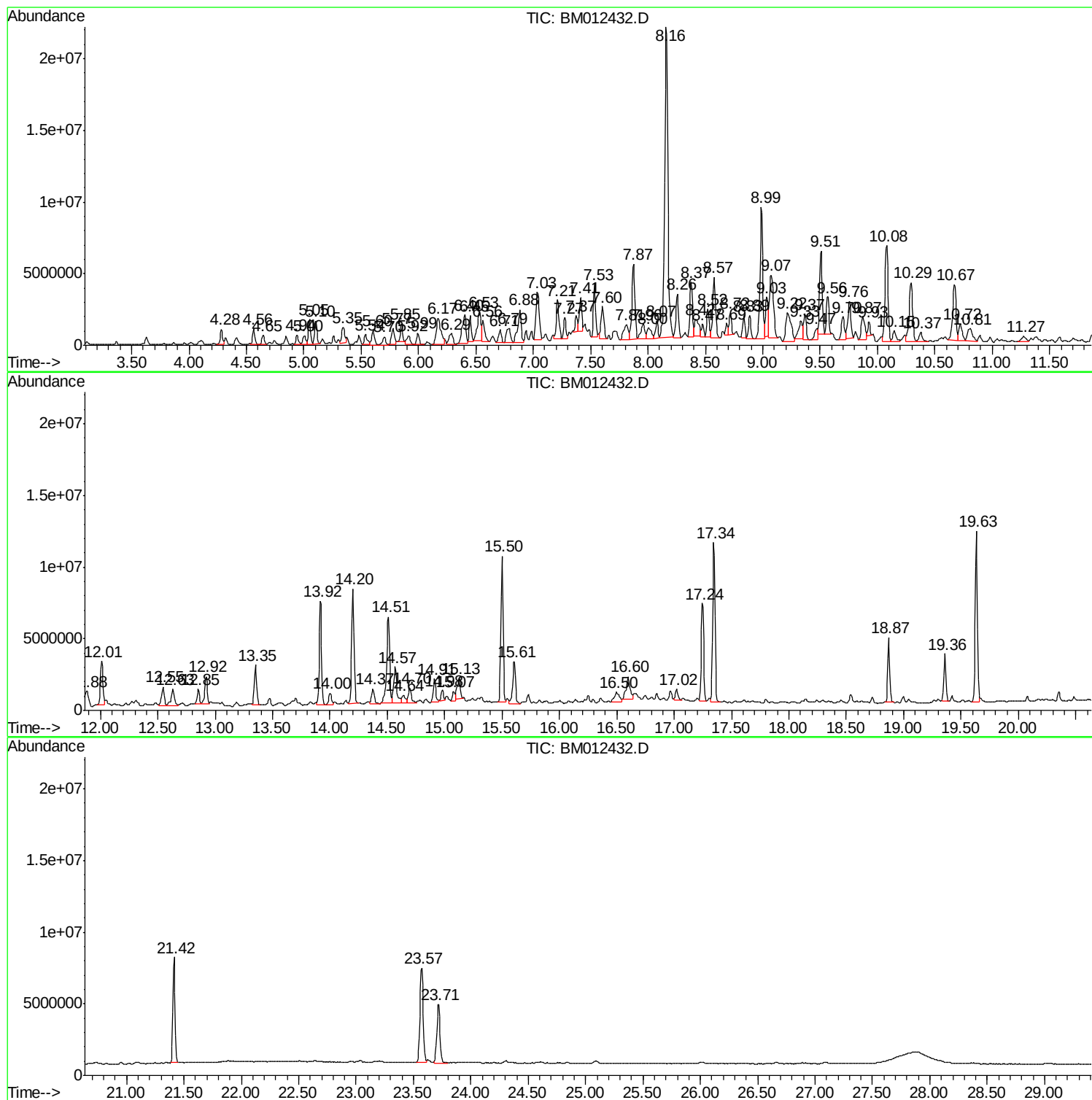
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



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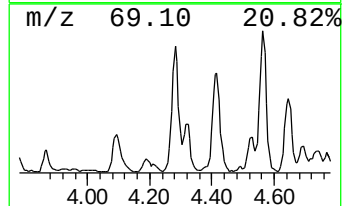
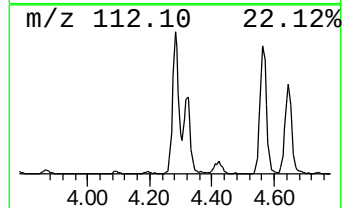
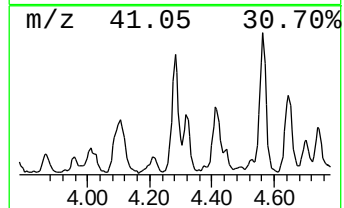
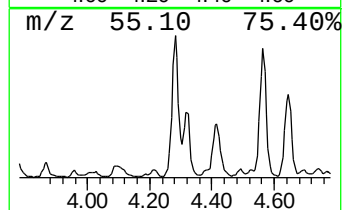
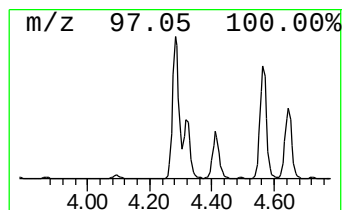
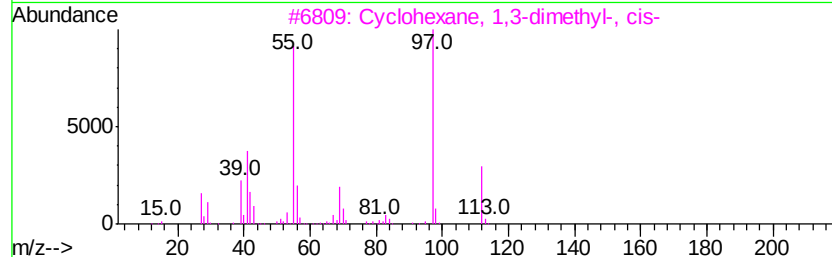
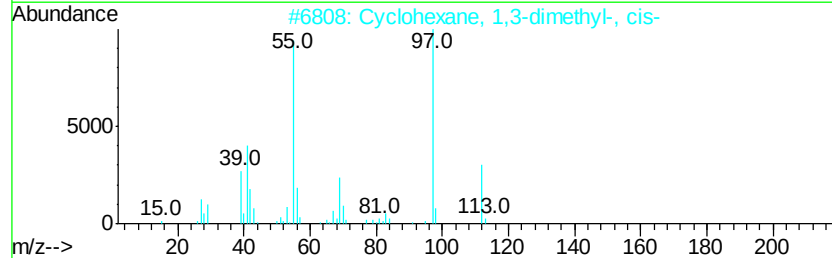
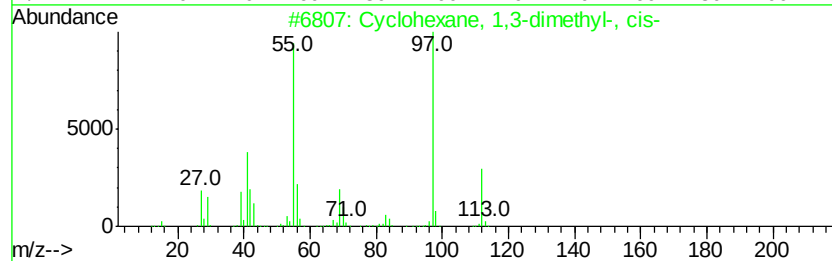
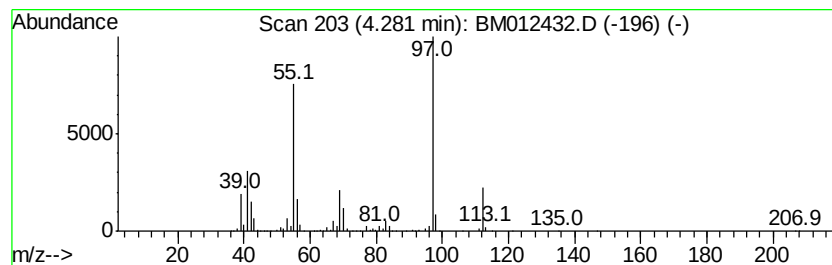
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic4.28 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	3.35 ng/ul	1649600	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	97
2			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
4			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	95
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94



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ClientSampled :
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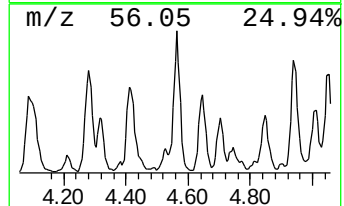
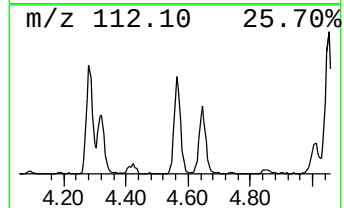
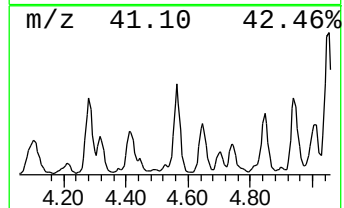
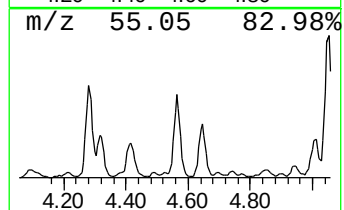
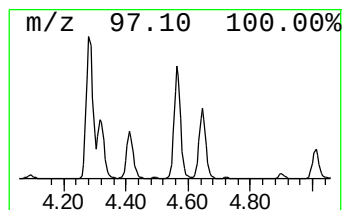
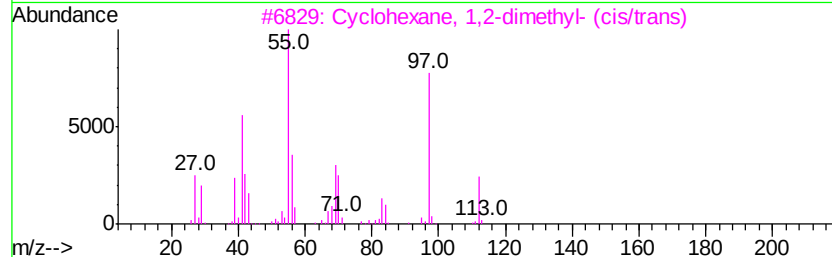
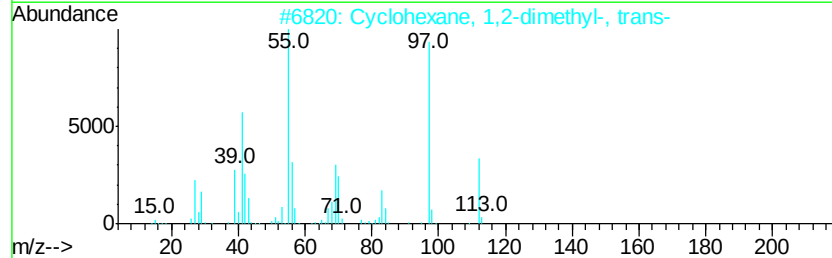
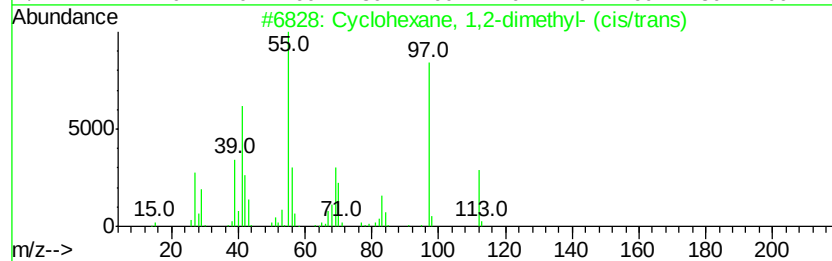
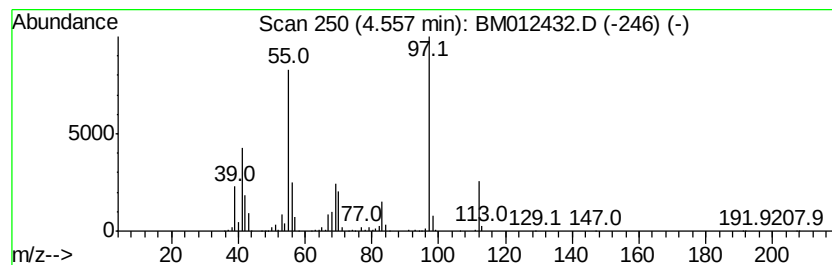
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Cyclic4.56 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	3.34 ng/ul	1646270	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87



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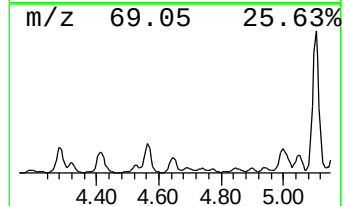
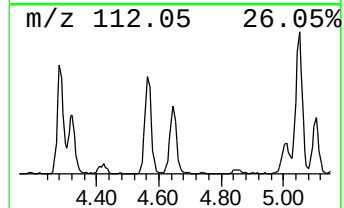
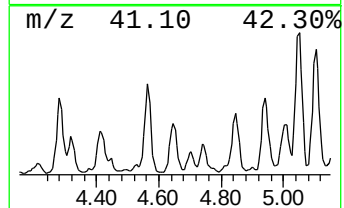
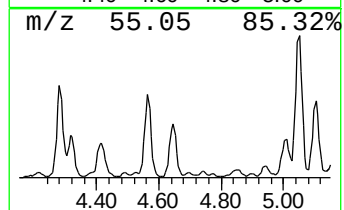
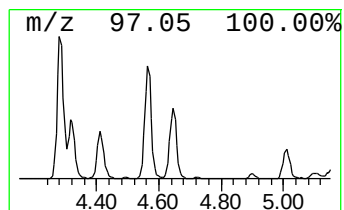
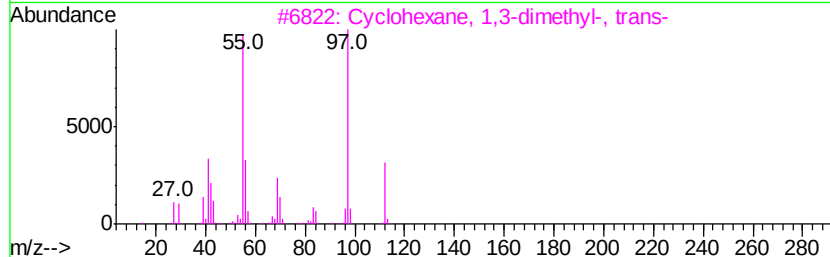
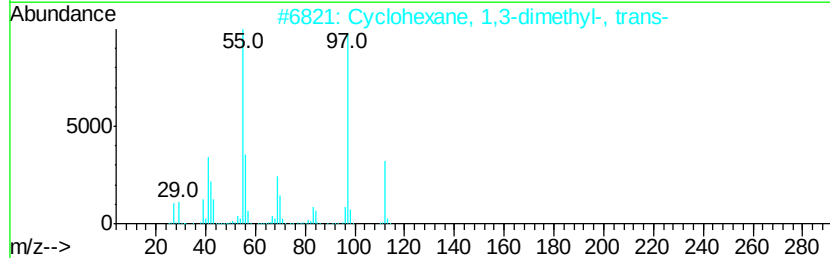
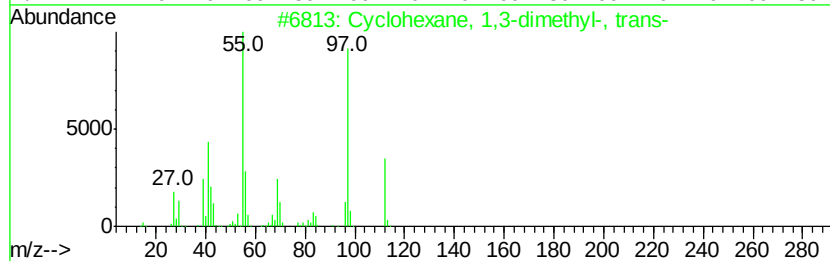
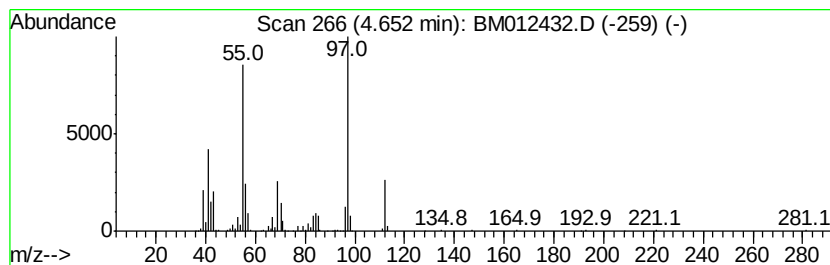
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Peak Number 3 (DEL) Alkane: Cyclic4.65 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	2.14 ng/ul	1054260	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWP-B-31

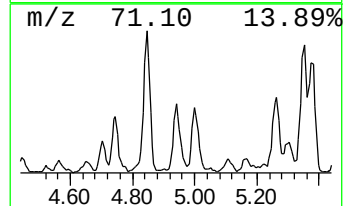
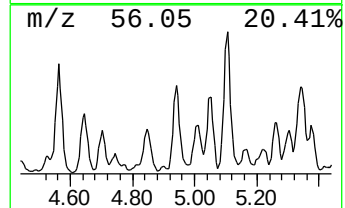
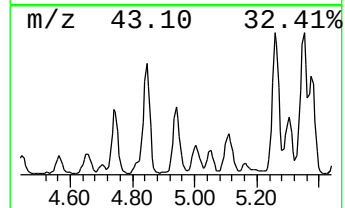
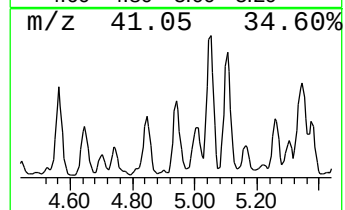
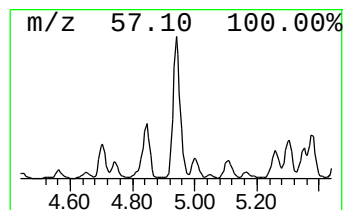
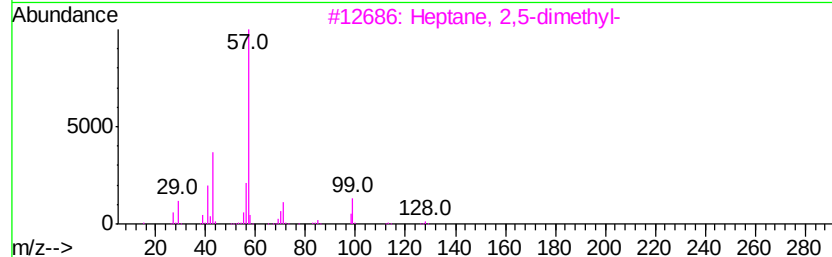
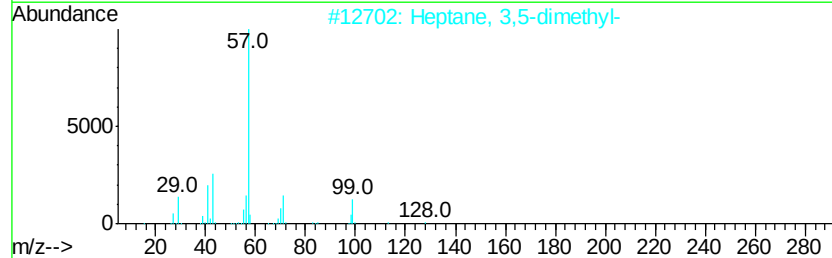
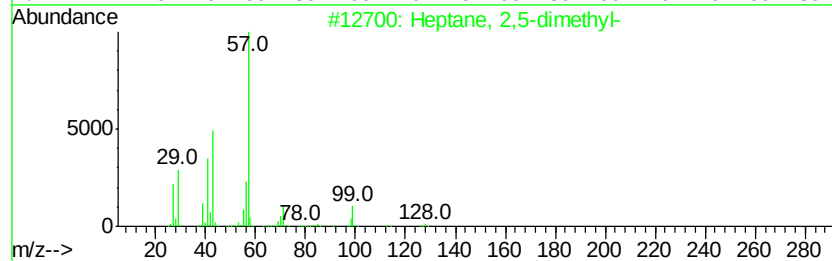
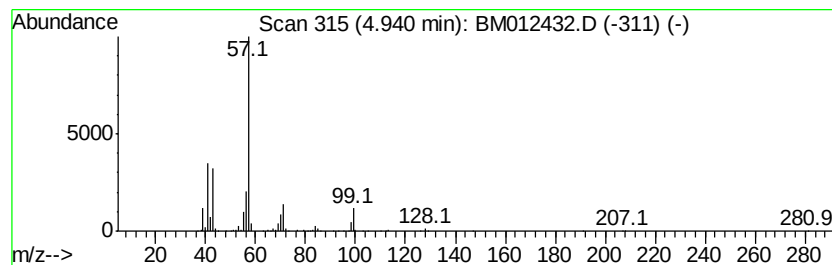
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	2.09 ng/ul	1026470	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	90
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	90
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWP-B-31

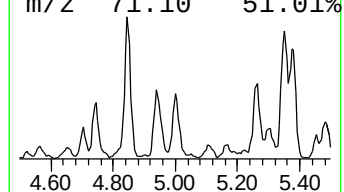
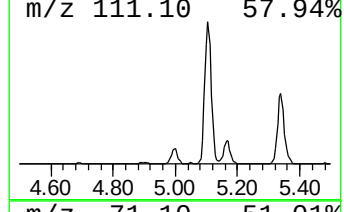
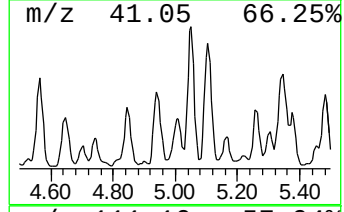
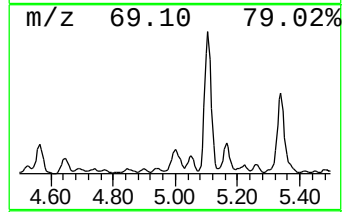
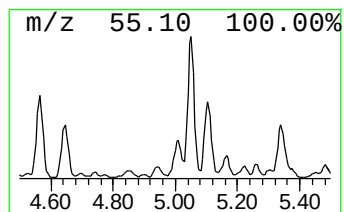
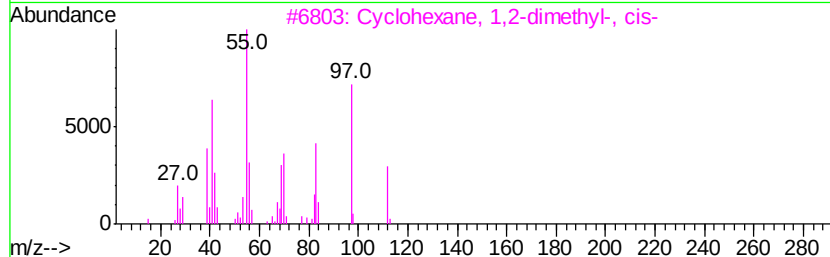
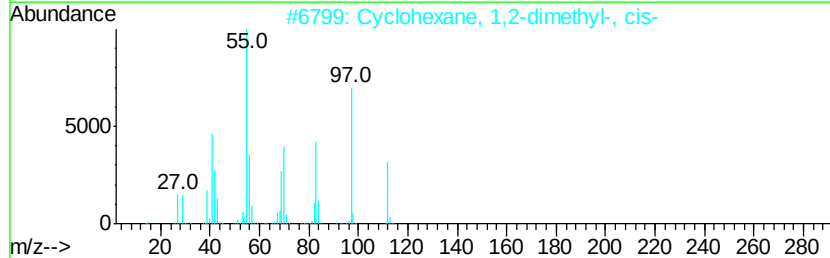
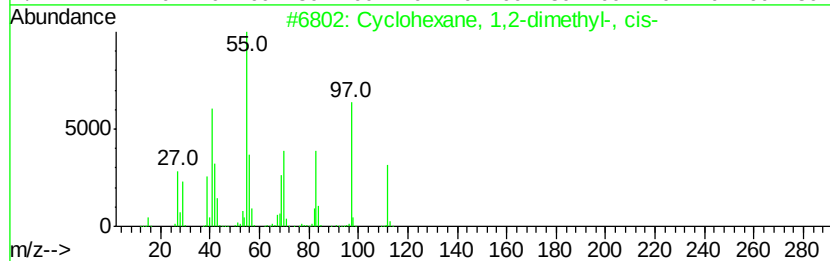
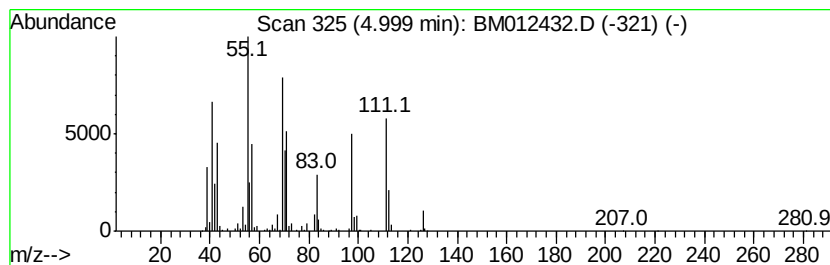
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Cyclic5.00 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	2.13 ng/ul	1046300	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	93
2		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	93
3		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	81
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64
5		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	62



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
TWP-B-31

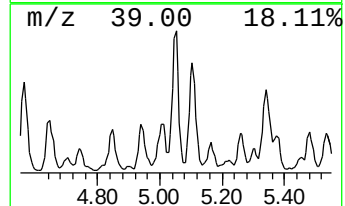
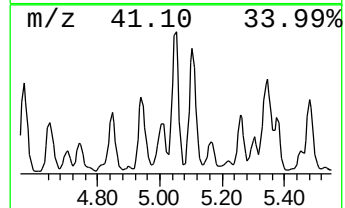
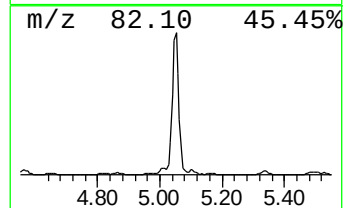
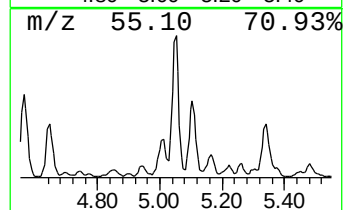
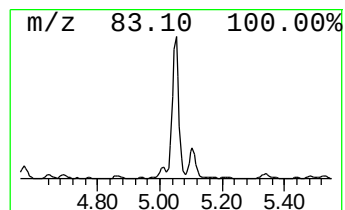
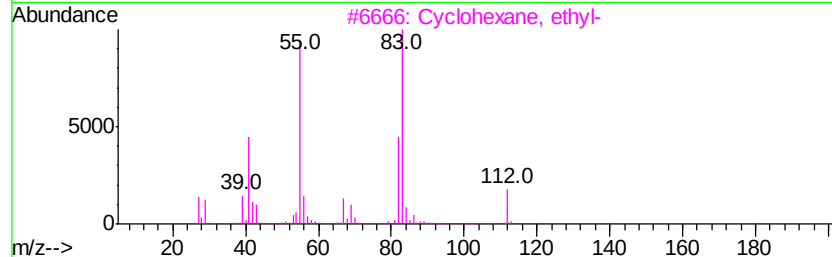
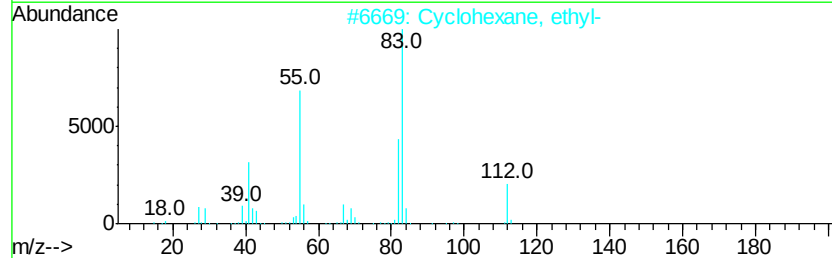
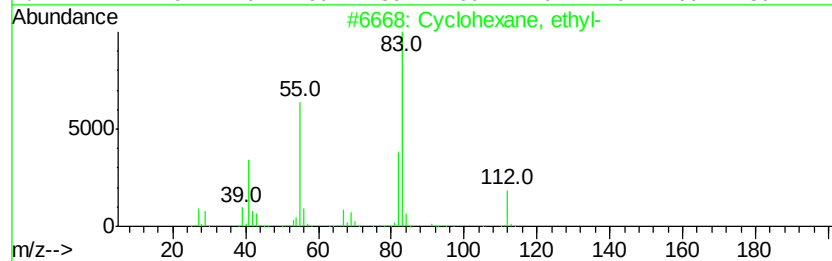
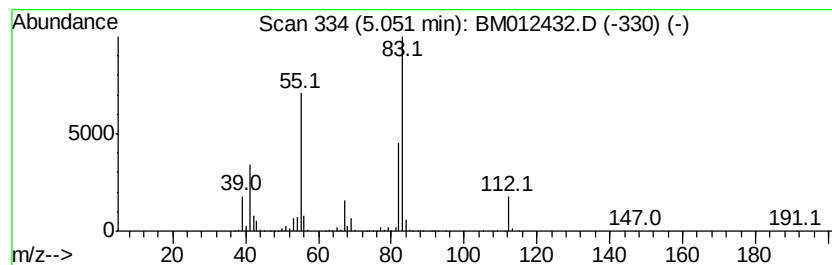
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic5.05 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	4.87 ng/ul	2399040	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	76
5		3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	62



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWP-B-31

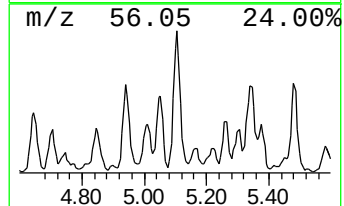
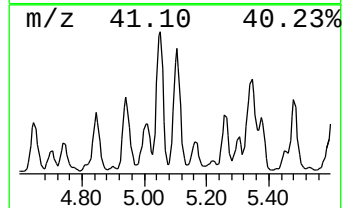
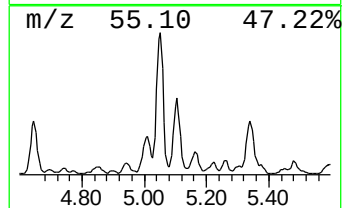
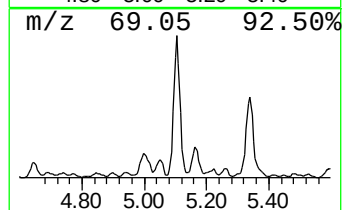
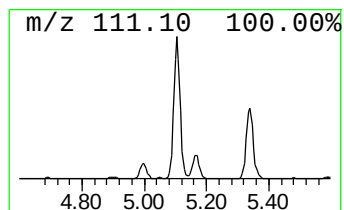
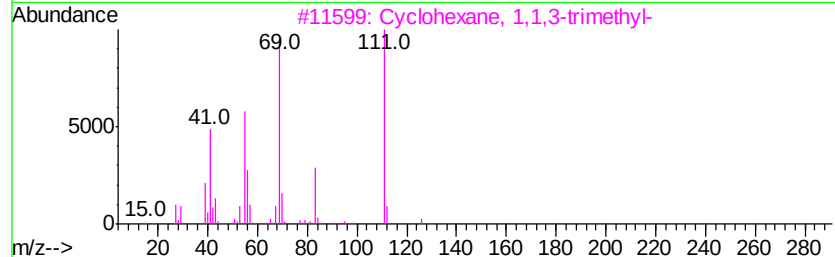
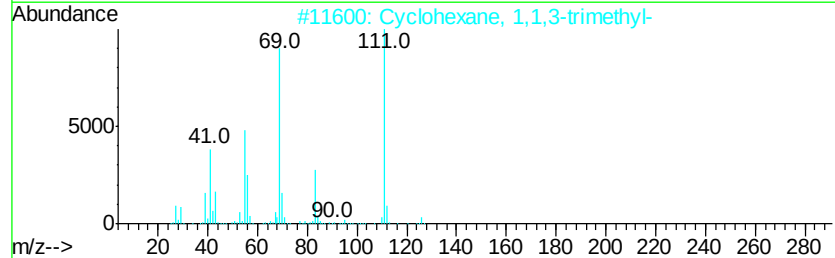
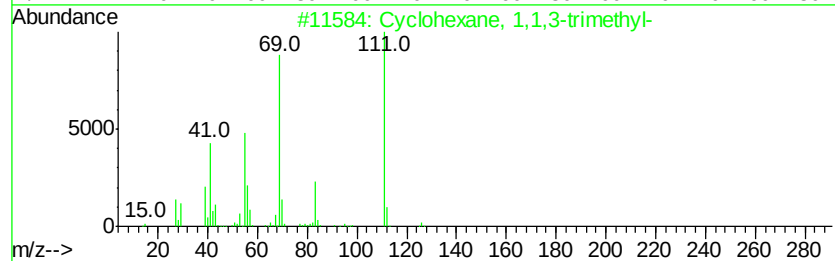
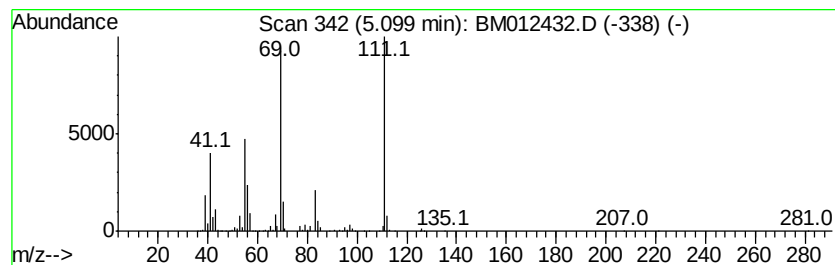
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Cyclic5.10 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	4.84 ng/ul	2381000	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	72
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
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Misc :
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Instrument :
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TWP-B-31

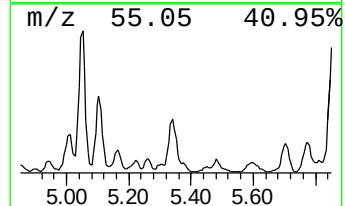
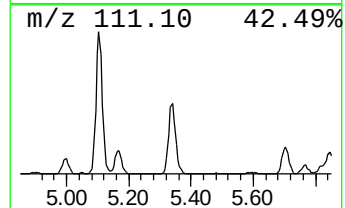
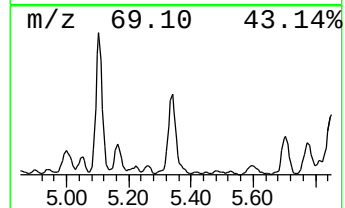
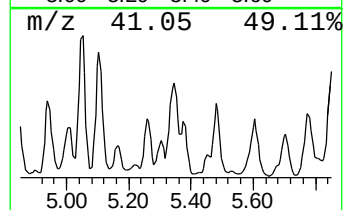
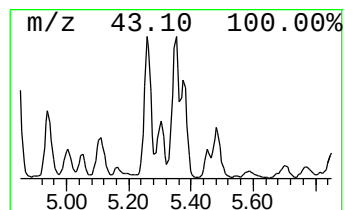
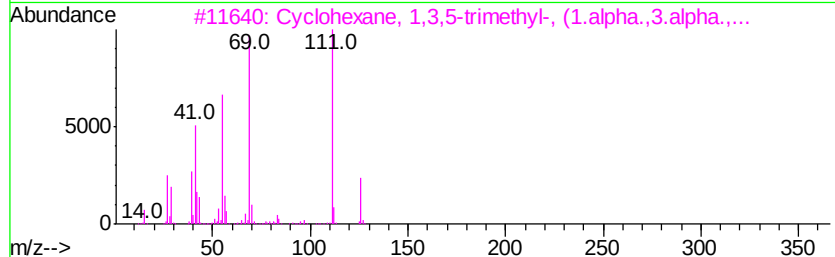
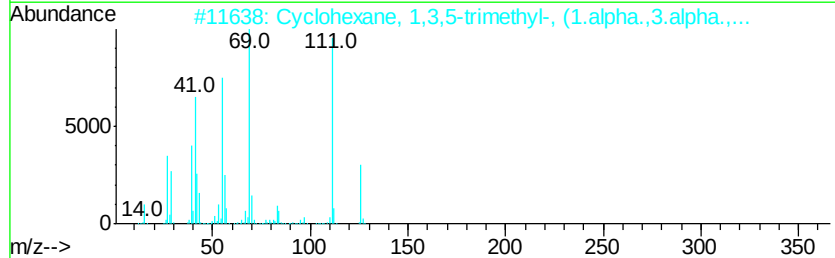
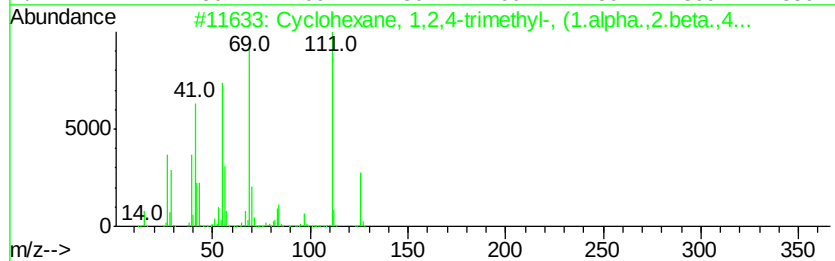
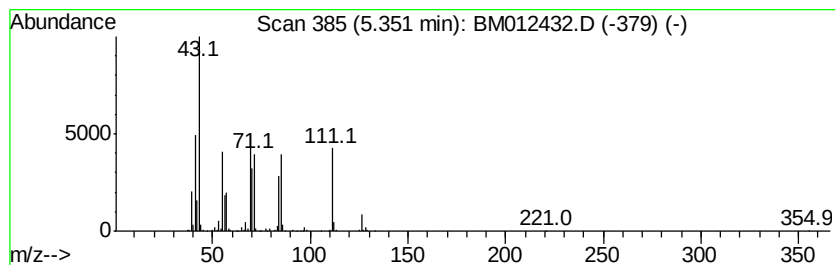
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic5.35 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	4.03 ng/ul	1984250	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	92
2		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64
3		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	49
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001839-63-0	49
5		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001839-63-0	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
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Misc :
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ClientSampleId :
TWP-B-31

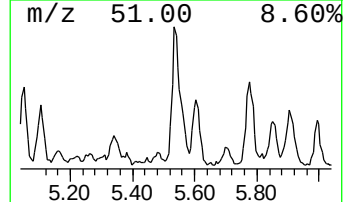
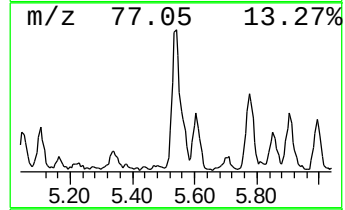
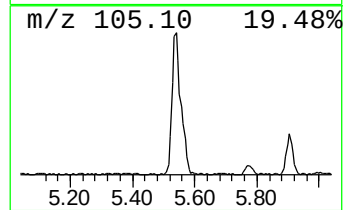
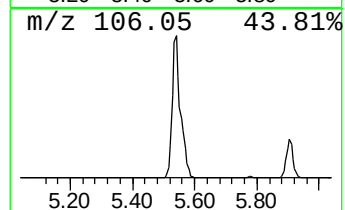
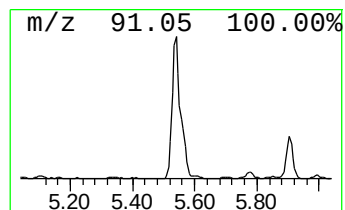
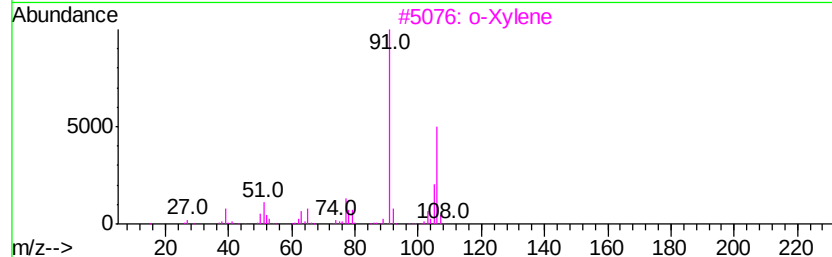
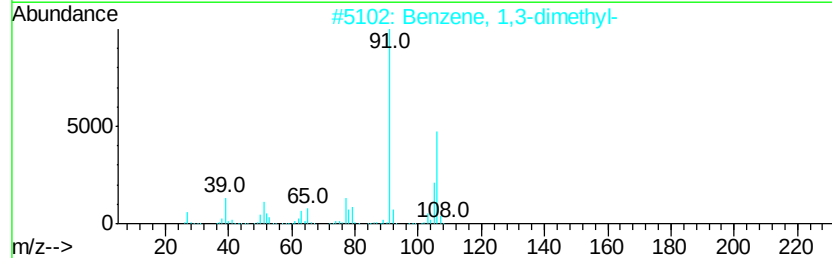
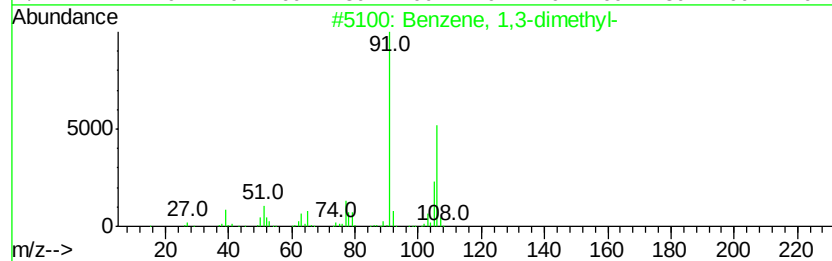
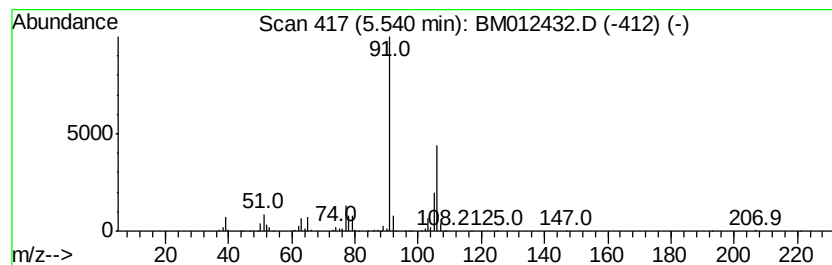
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzene, 1,3-dimethyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	2.45 ng/ul	1204940	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2		Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3		o-Xylene	106	C8H10	000095-47-6	97
4		p-Xylene	106	C8H10	000106-42-3	95
5		Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
TWP-B-31

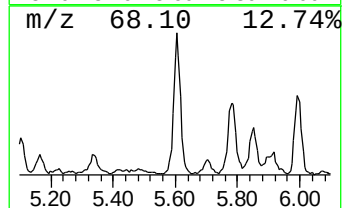
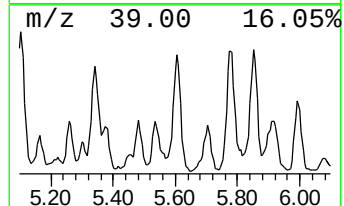
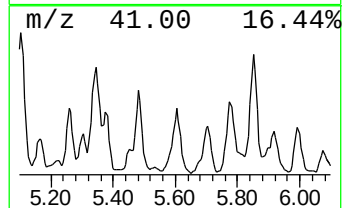
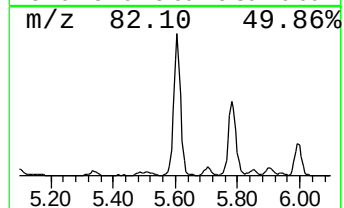
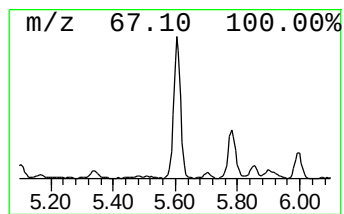
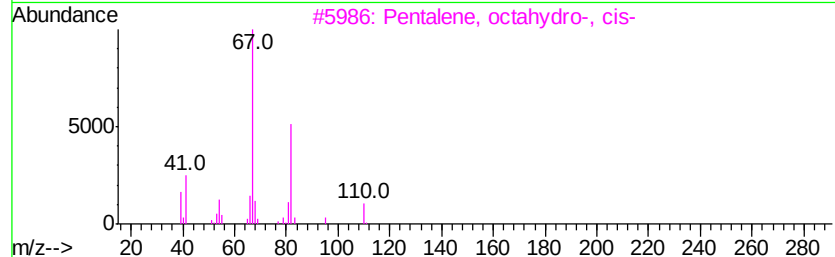
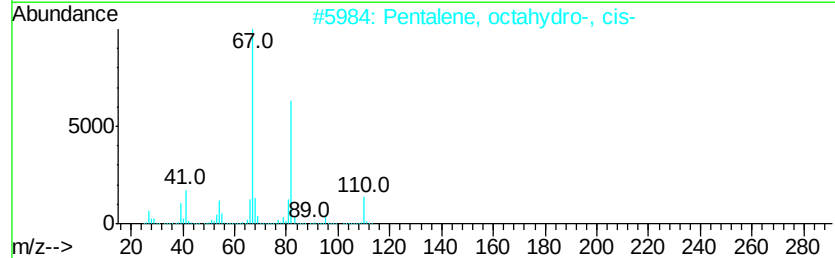
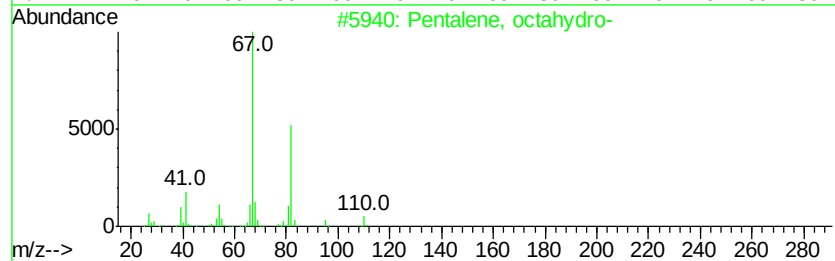
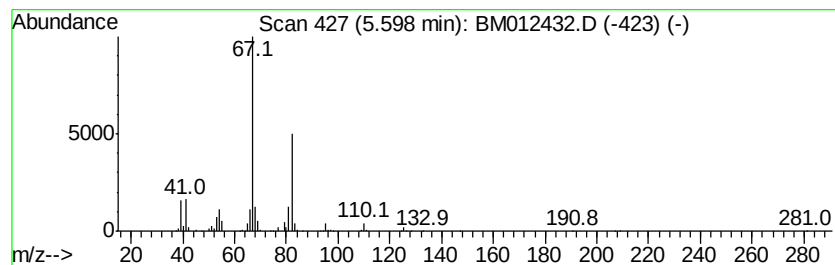
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Pentalene, octahydro- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	3.57 ng/ul	1756630	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-	110	C8H14	000694-72-4	91
2		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
3		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
4		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	86
5		1,3-Pentadiene, 3-methyl-, (Z)-	82	C6H10	002787-45-3	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
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Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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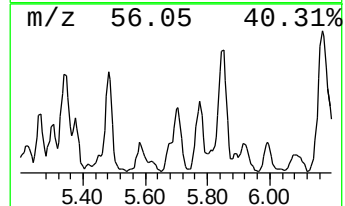
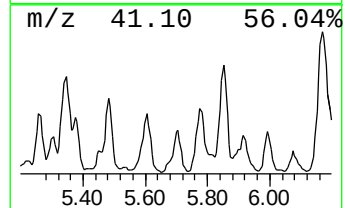
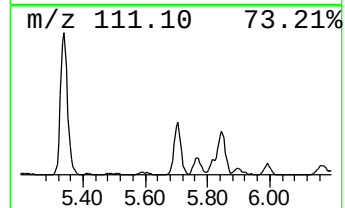
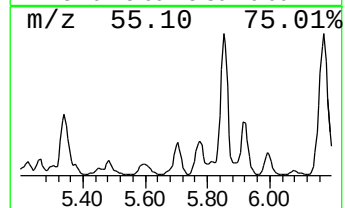
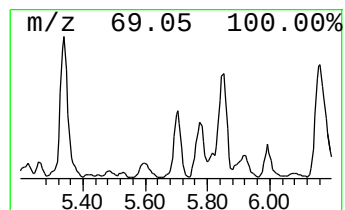
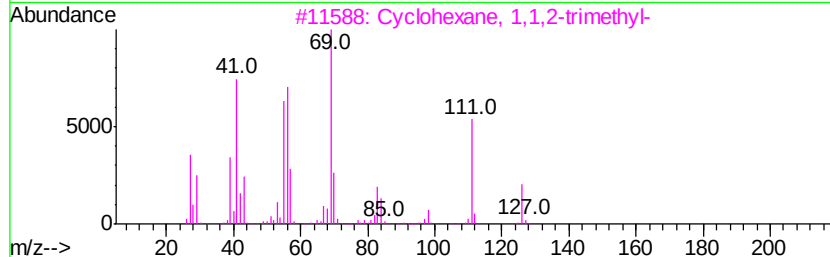
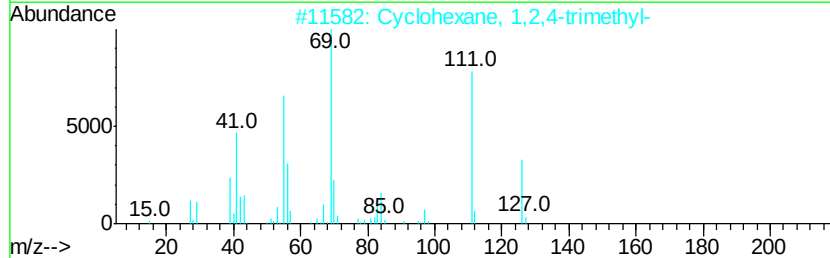
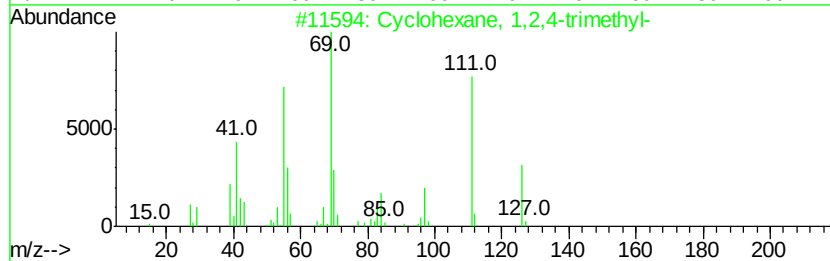
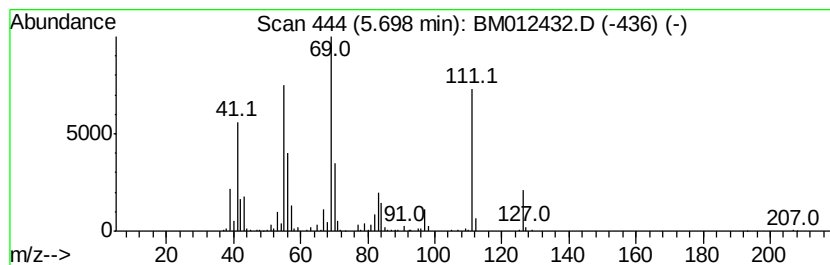
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Cyclic5.70 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	2.04 ng/ul	1003440	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	90
4			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	81
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	68



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
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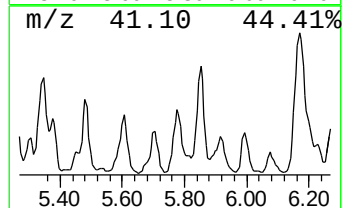
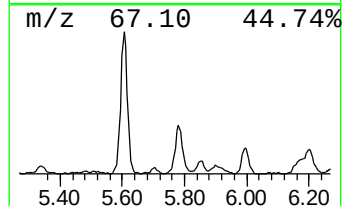
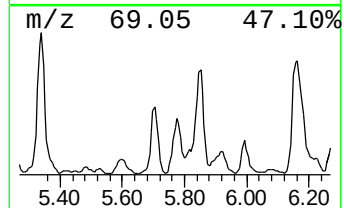
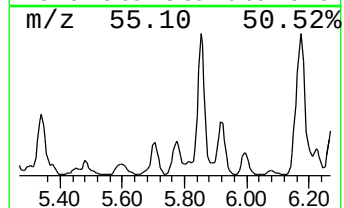
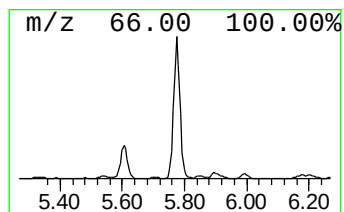
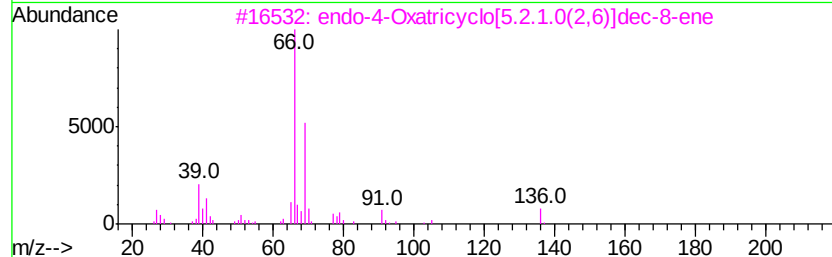
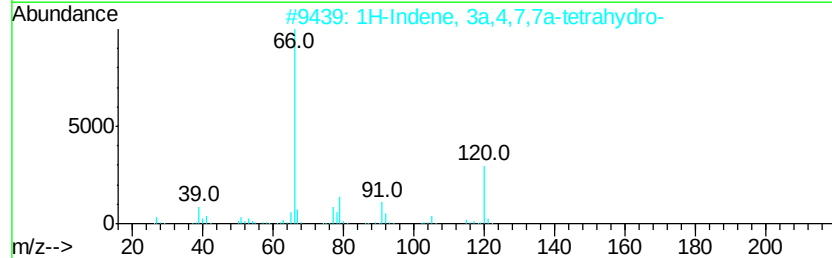
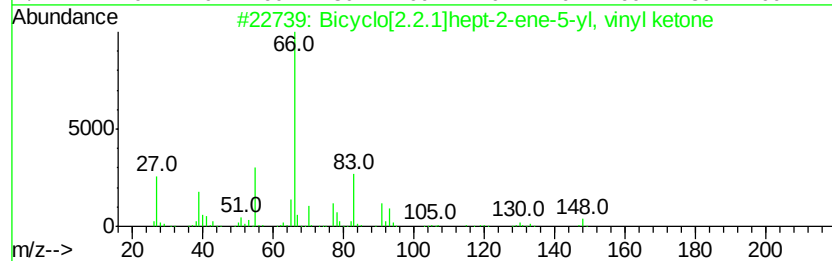
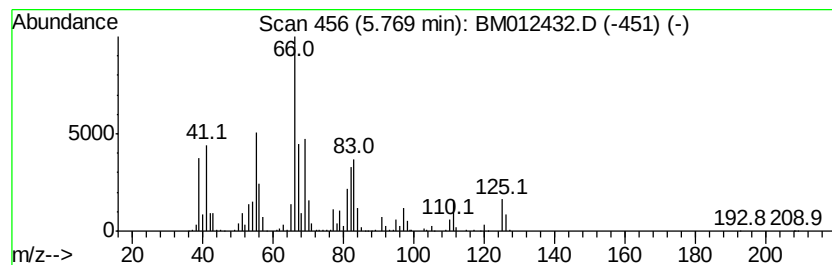
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Bicyclo[2.2.1]hept-2-ene-5-... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	4.25 ng/ul	2092140	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]hept-2-ene-5-yl, v...	148	C10H12O	1000222-20-5	53
2		1H-Indene, 3a,4,7,7a-tetrahydro-	120	C9H12	003048-65-5	52
3		endo-4-Oxatricyclo[5.2.1.0(2,6)]...	136	C9H12O	001528-23-0	50
4		Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	000095-11-4	50
5		Bicyclo[3.2.0]hept-2-en-6-one	108	C7H8O	013173-09-6	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
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Acq On : 25 Oct 2017 00:14
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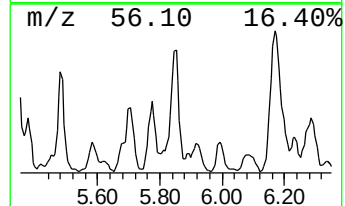
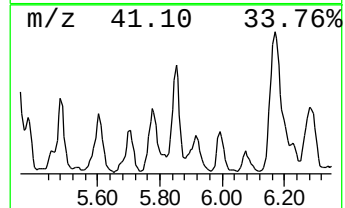
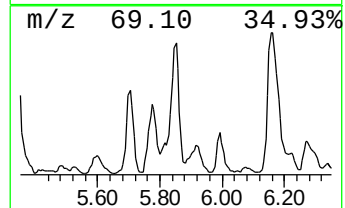
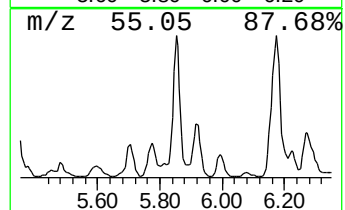
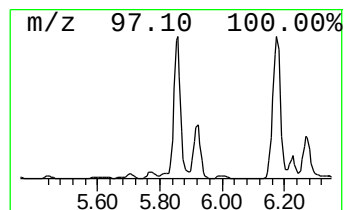
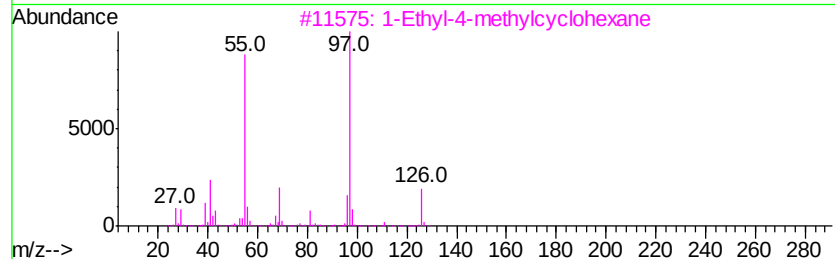
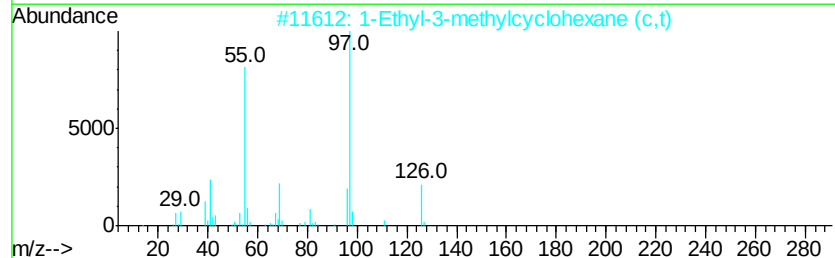
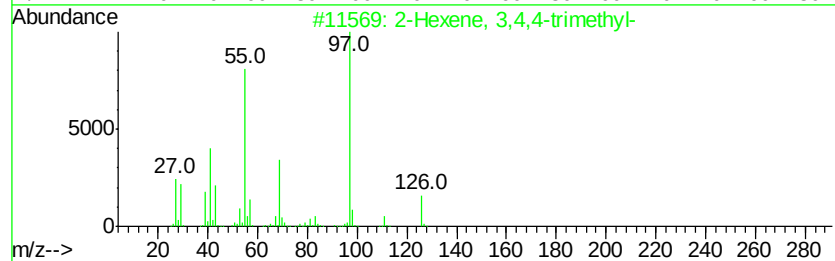
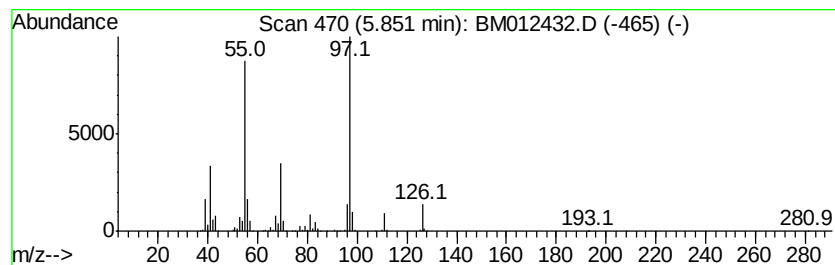
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 (DEL) Alkane: Cyclic5.85 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	3.71 ng/ul	1824310	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	87
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	86
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
4			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	80



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
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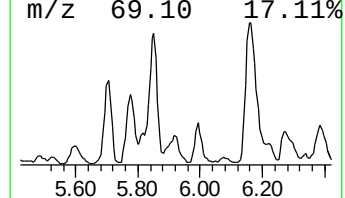
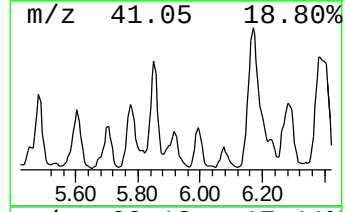
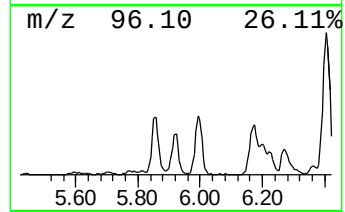
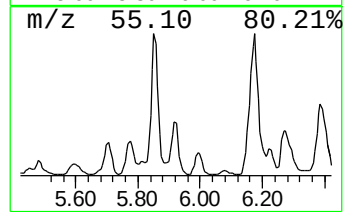
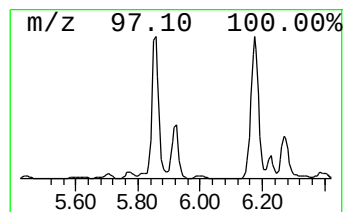
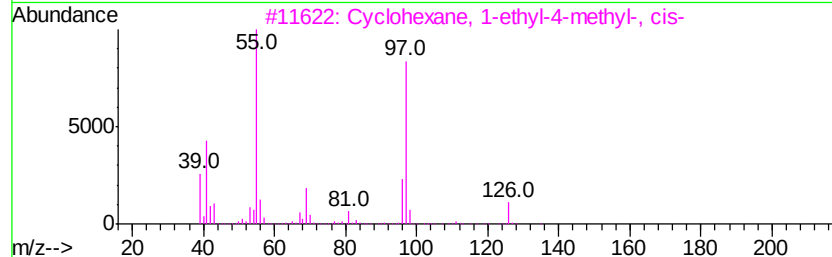
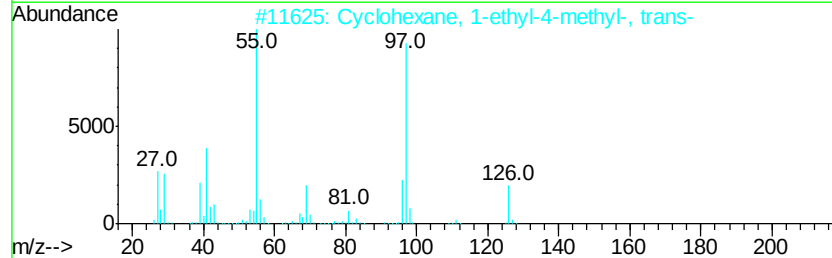
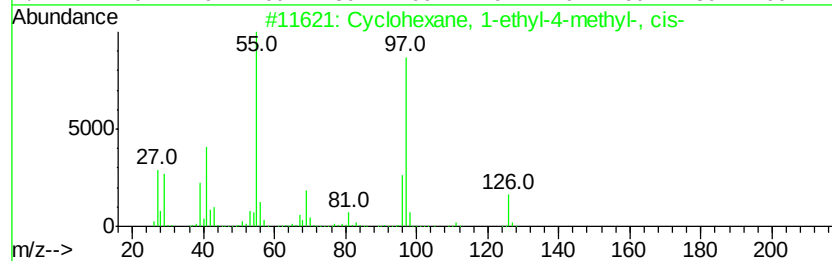
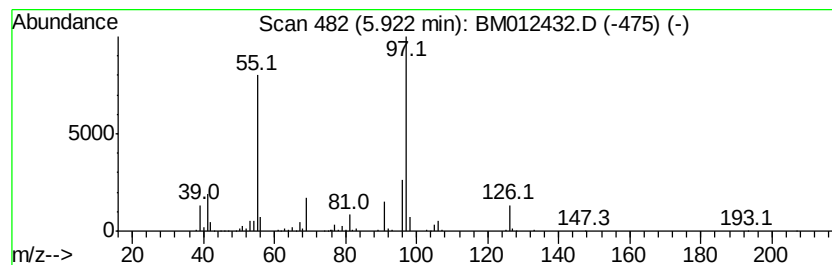
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Cyclic5.92 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	2.93 ng/ul	1441930	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
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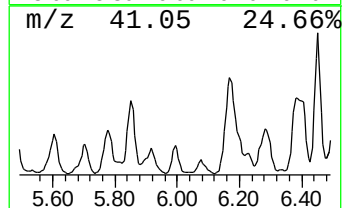
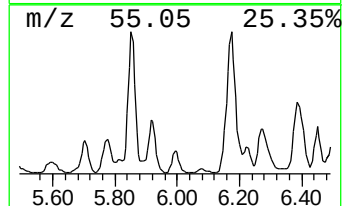
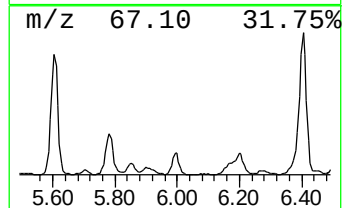
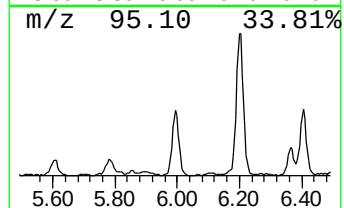
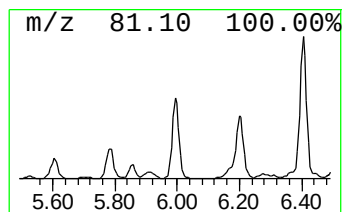
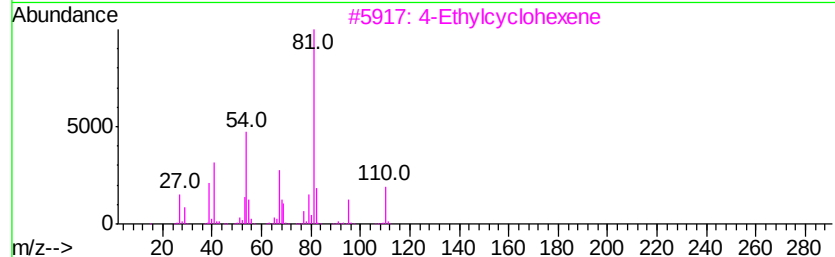
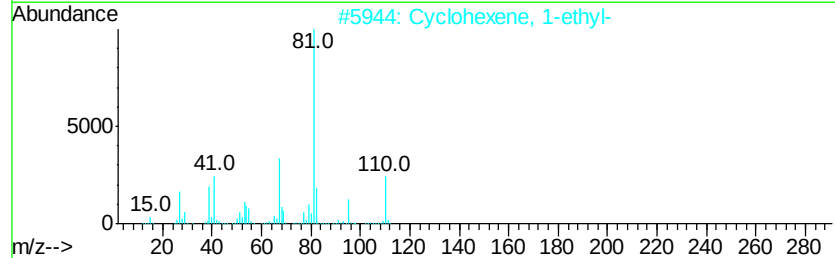
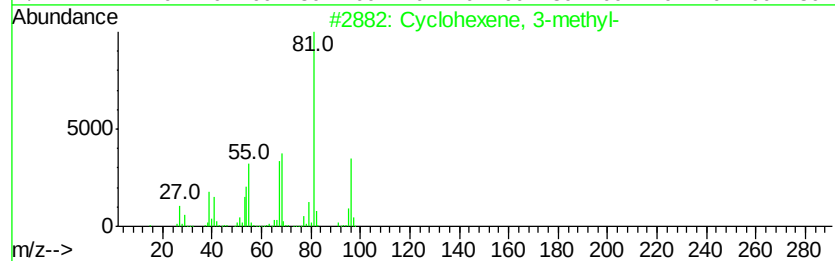
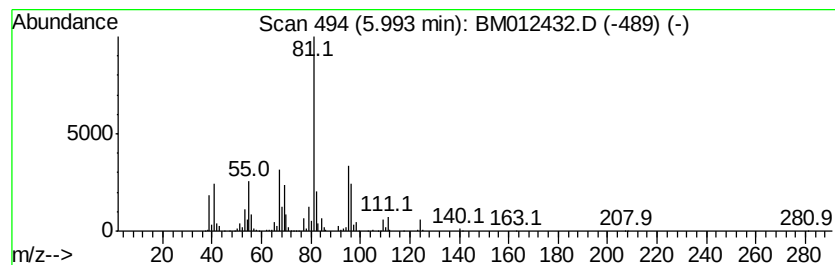
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Cyclohexene, 3-methyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	2.58 ng/ul	1269980	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	62
2			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	53
3			4-Ethylcyclohexene	110	C8H14	003742-42-5	53
4			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	53
5			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
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Acq On : 25 Oct 2017 00:14
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Misc :
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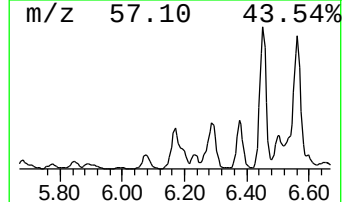
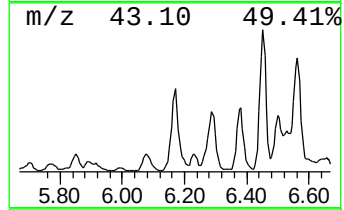
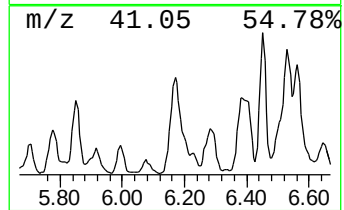
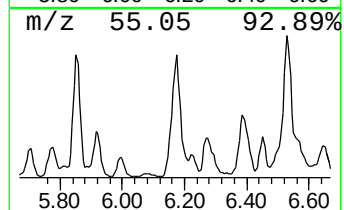
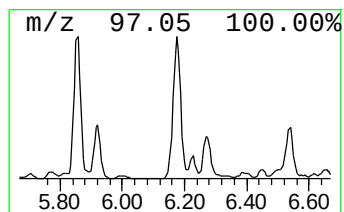
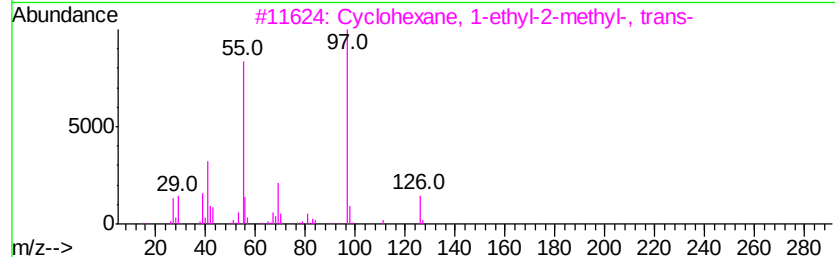
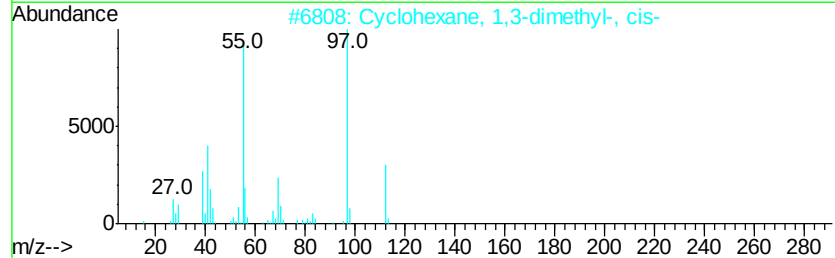
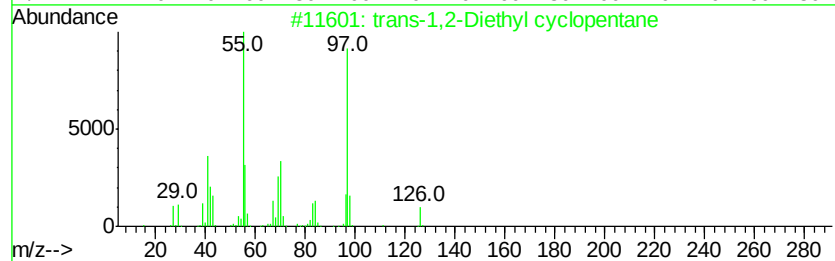
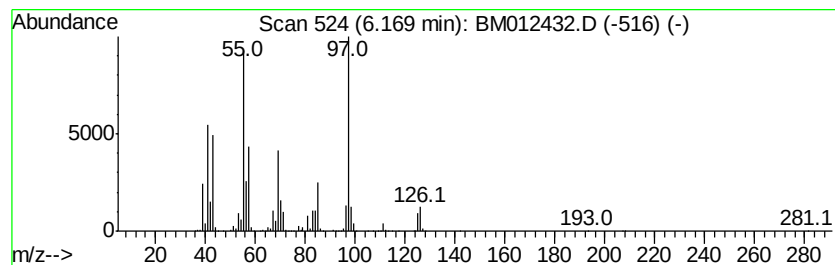
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 (DEL) Alkane: Cyclic6.17 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	10.36 ng/ul	5099410	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	91
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	58
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
5		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58



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Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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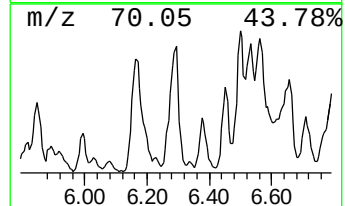
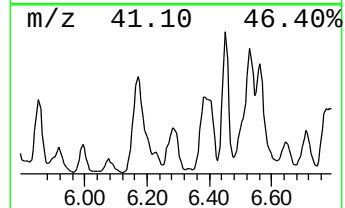
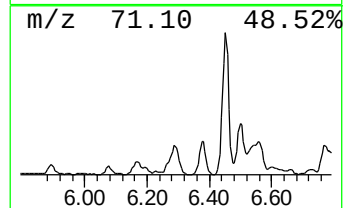
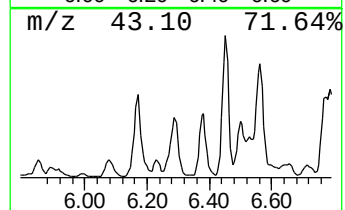
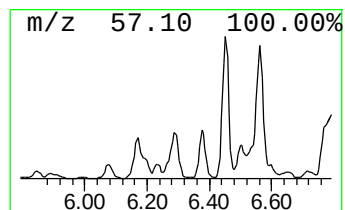
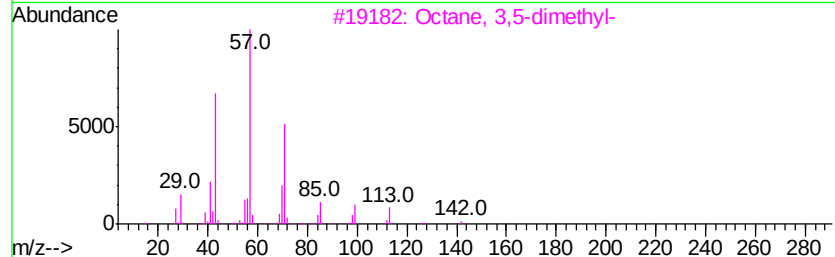
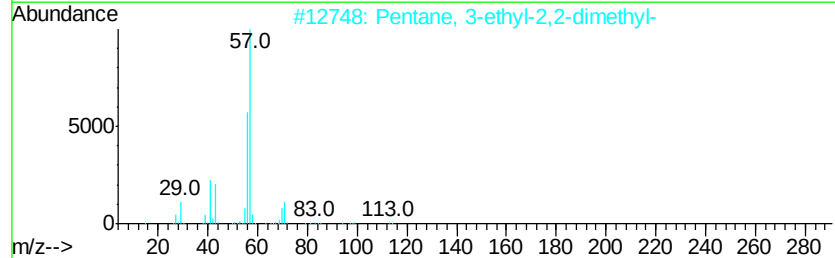
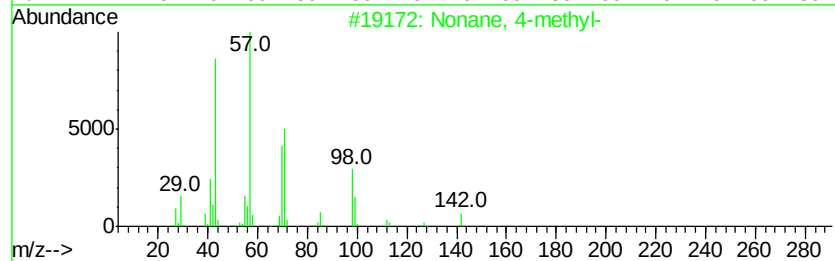
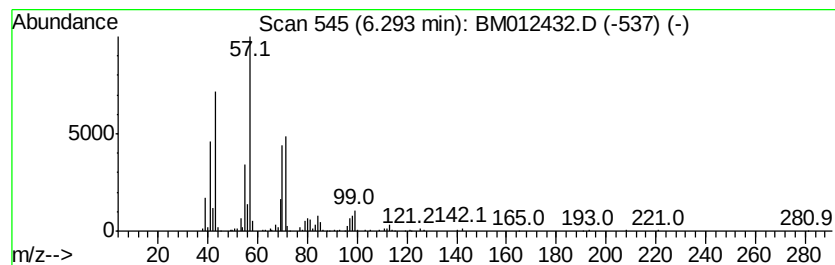
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	3.48 ng/ul	1711900	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	53
2			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50
3			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	49
4			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	43
5			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

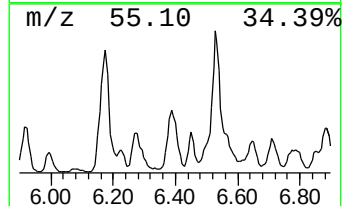
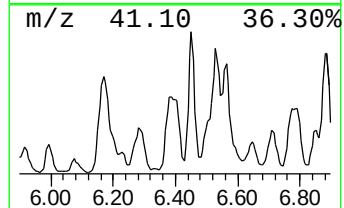
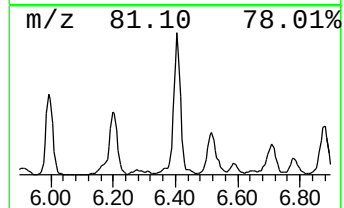
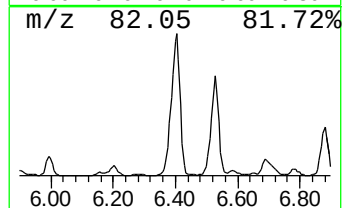
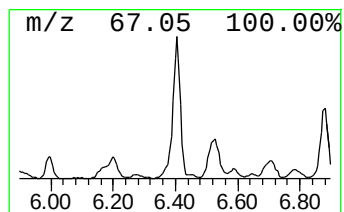
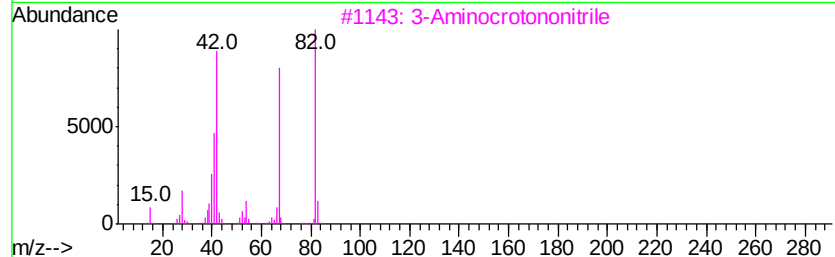
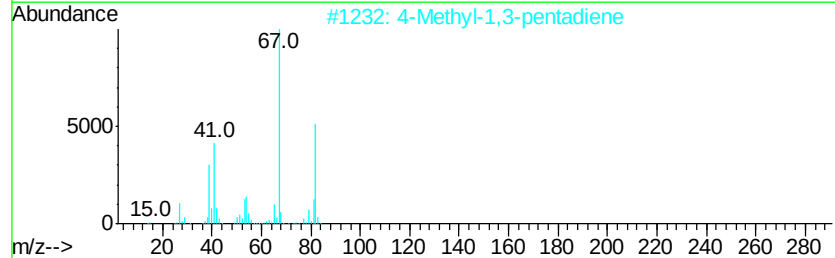
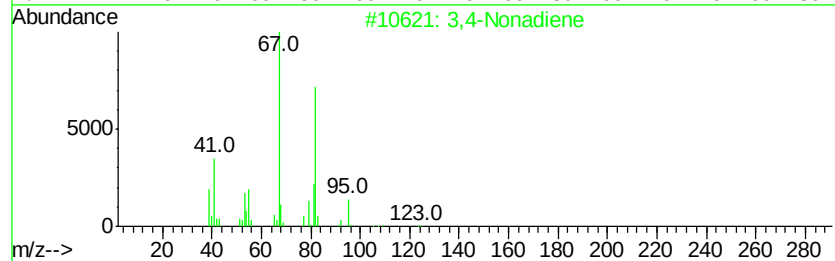
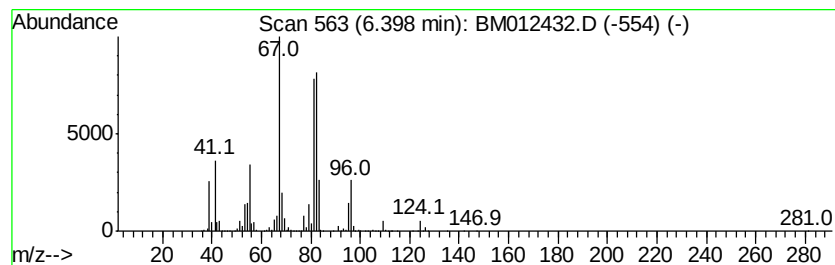
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	9.58 ng/ul	4715240	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Nonadiene	124	C9H16	037050-03-6	47
2			4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	43
3			3-Aminocrotononitrile	82	C4H6N2	001118-61-2	43
4			4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	43
5			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

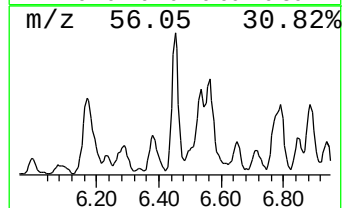
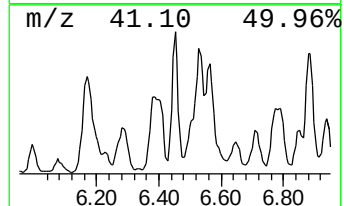
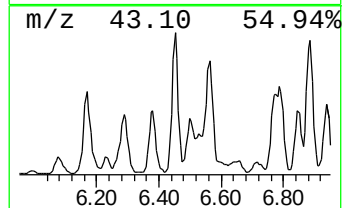
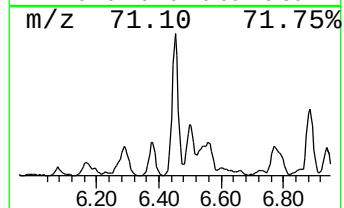
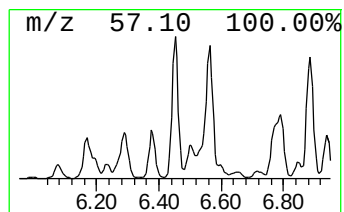
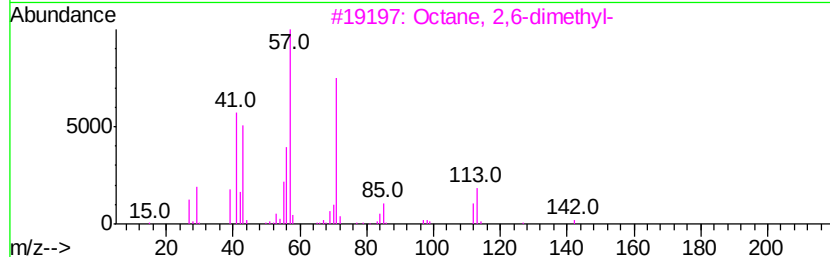
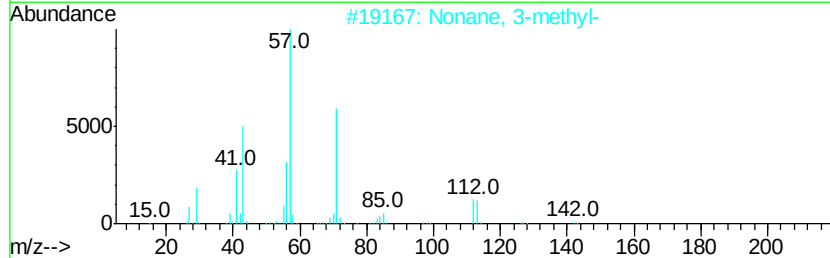
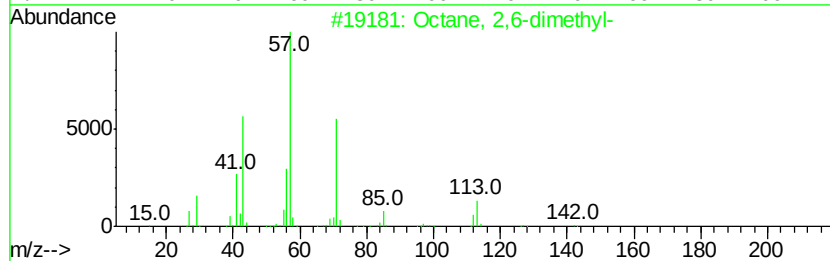
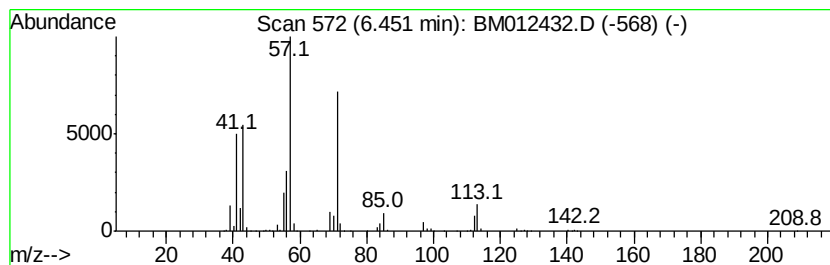
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	4.58 ng/ul	2256810	1,4-Dichlorobenzene-d4	7.88

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	90
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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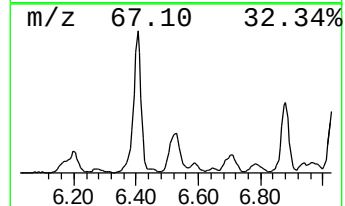
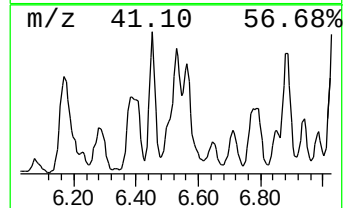
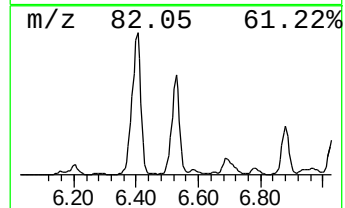
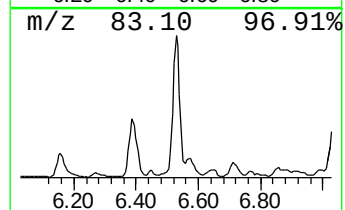
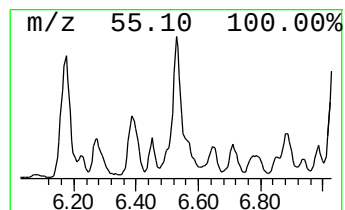
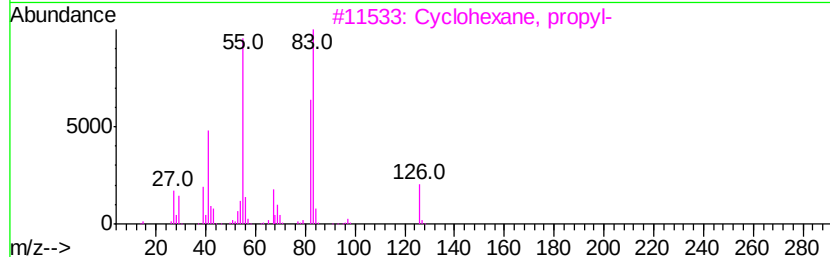
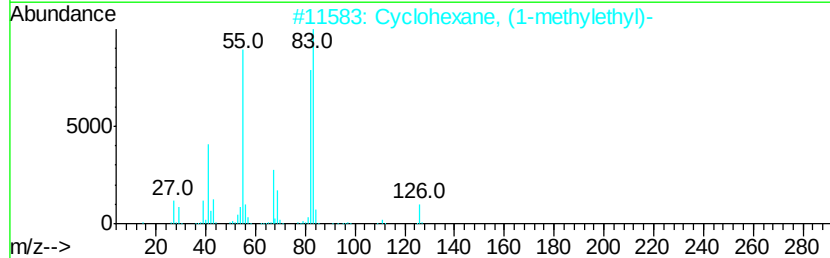
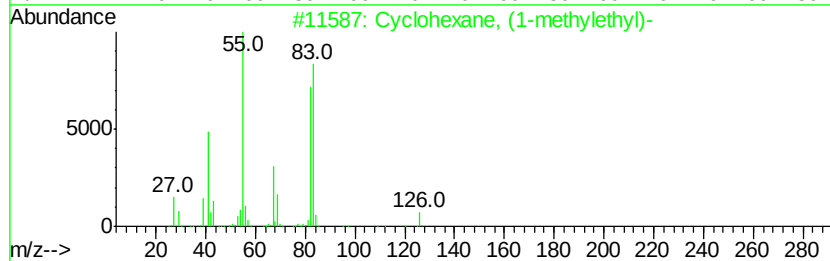
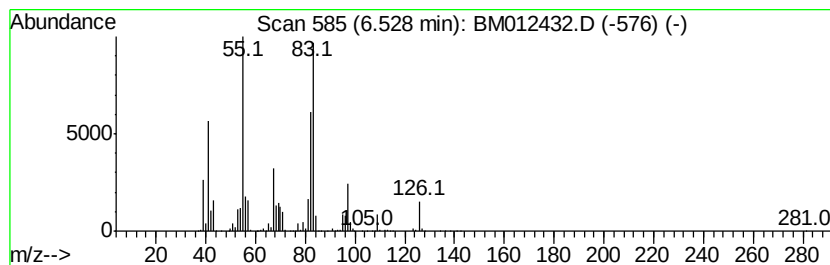
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Cyclic6.53 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	9.53 ng/ul	4690150	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	68
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	68
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
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ClientSampleId :
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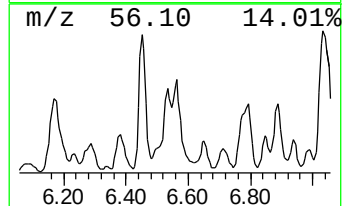
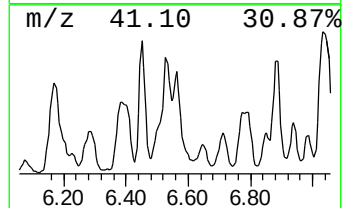
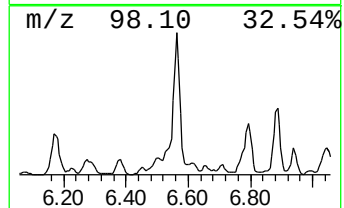
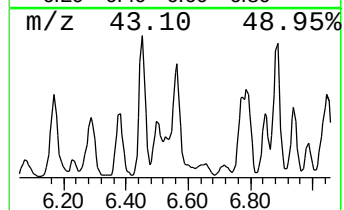
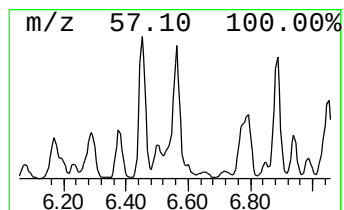
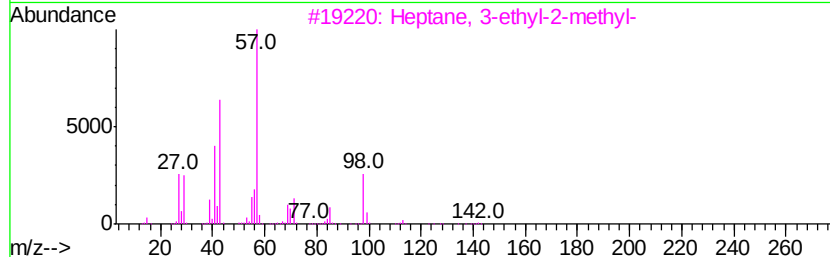
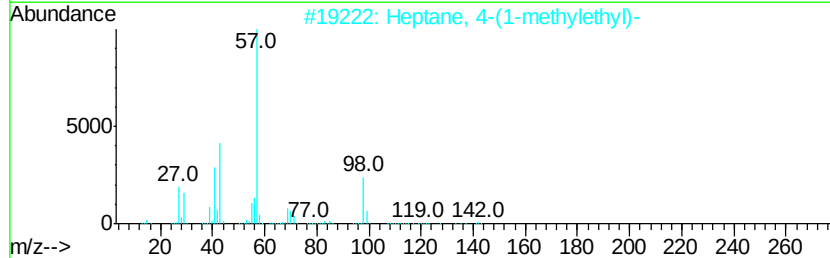
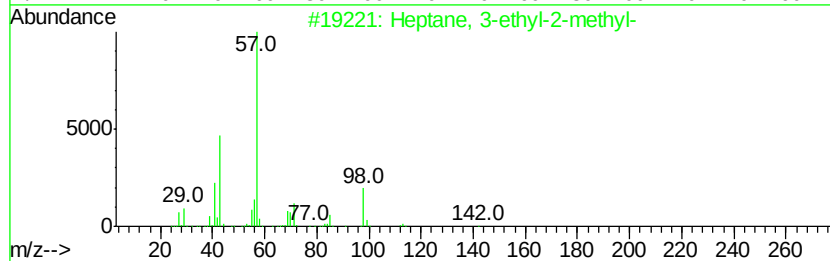
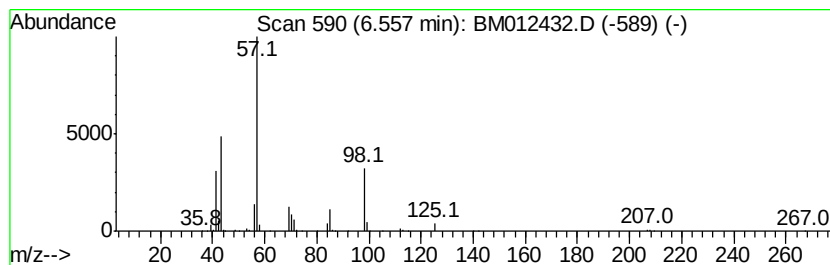
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	4.38 ng/ul	2156920	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
2			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
3			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4			Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	47
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

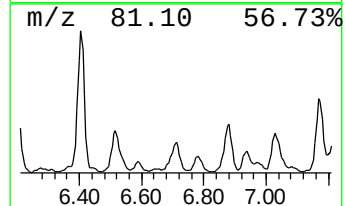
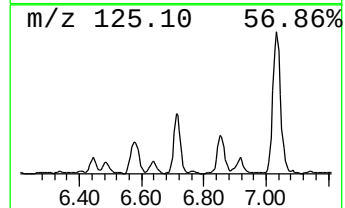
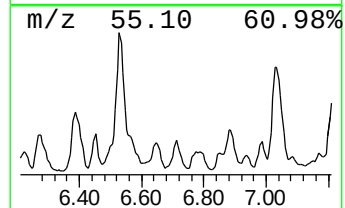
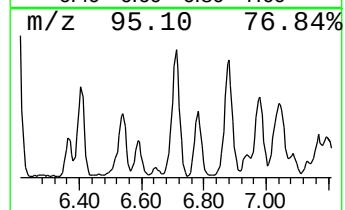
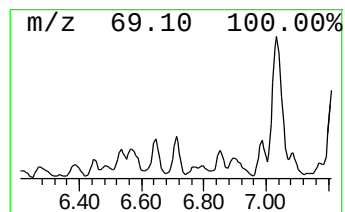
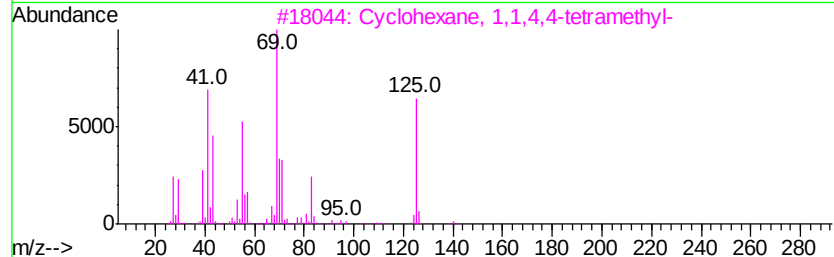
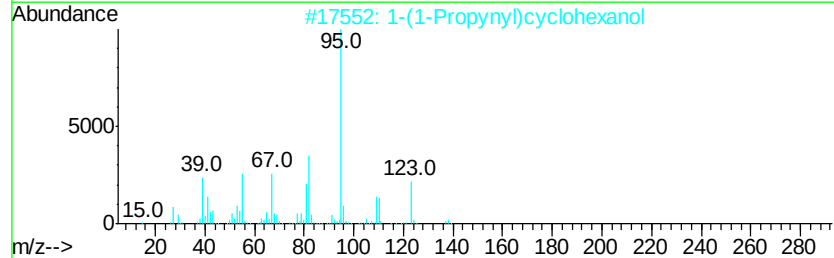
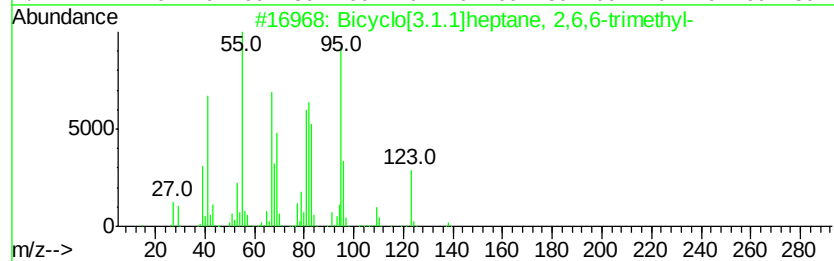
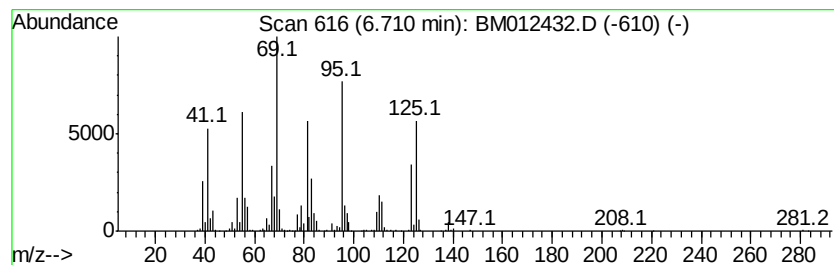
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 unknown-02 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	3.12 ng/ul	1537700	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	46
2			1-(1-Propynyl)cyclohexanol	138	C9H14O	000697-37-0	38
3			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
4			Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	25
5			Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWP-B-31

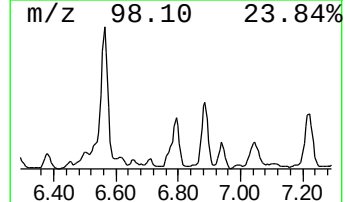
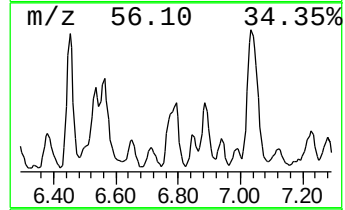
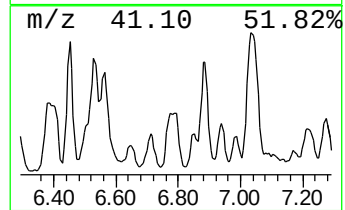
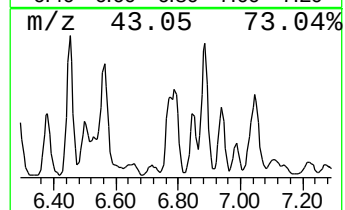
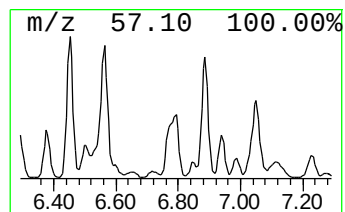
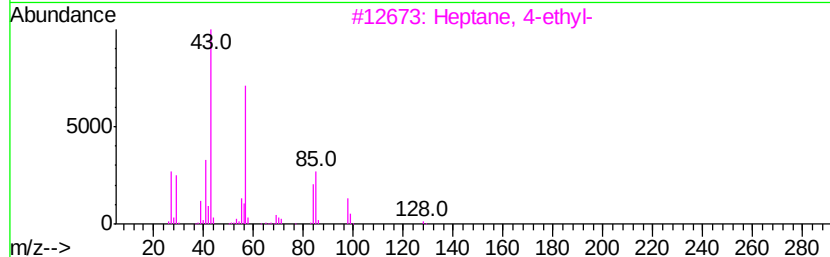
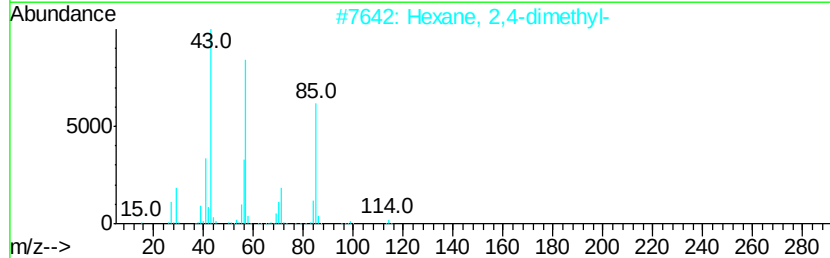
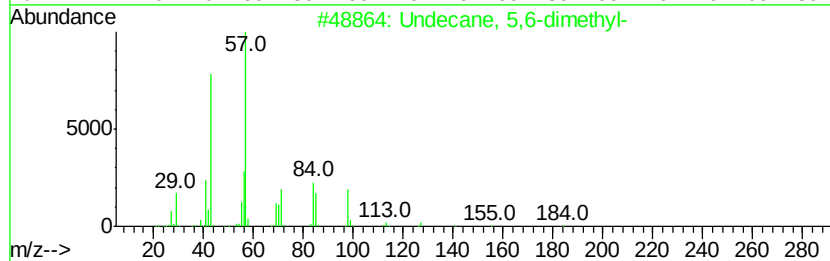
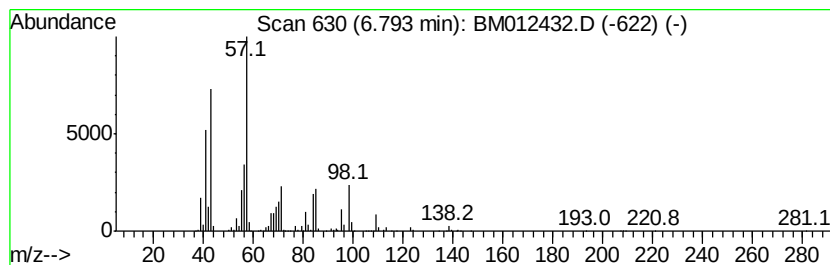
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	5.20 ng/ul	2559220	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	50
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	46
3			Heptane, 4-ethyl-	128	C9H20	002216-32-2	38
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
5			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWP-B-31

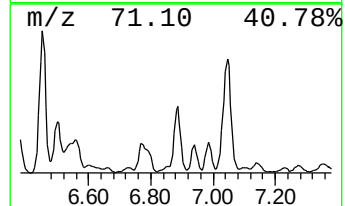
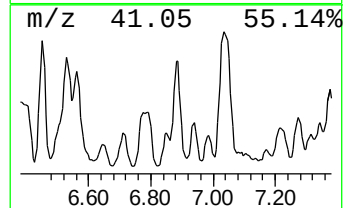
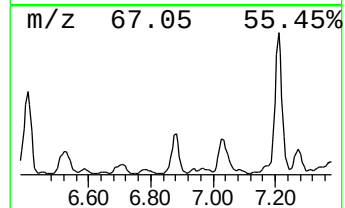
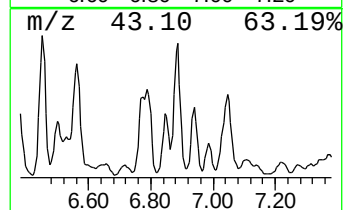
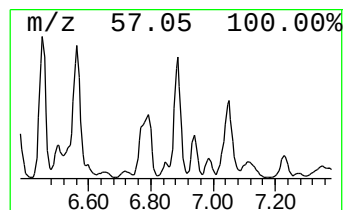
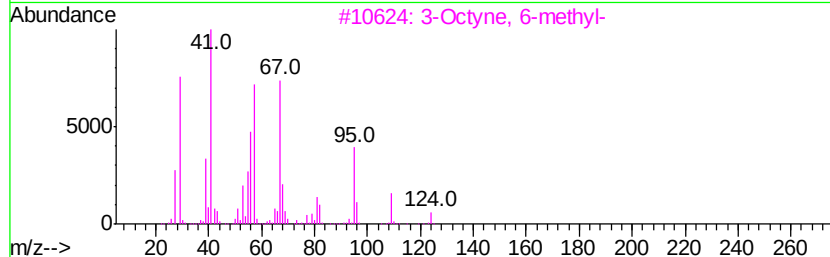
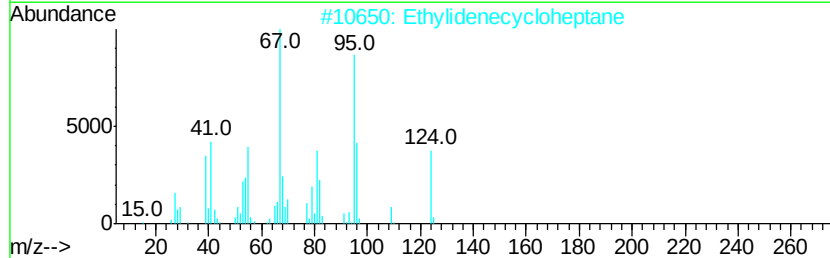
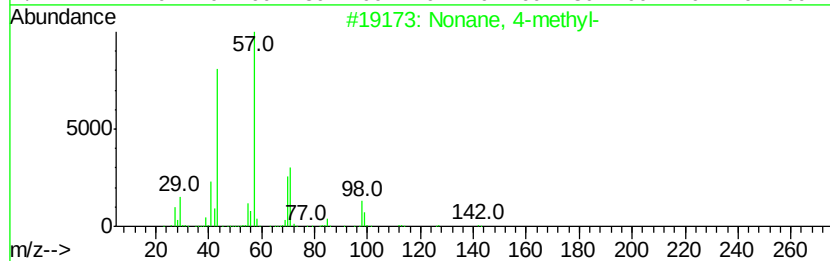
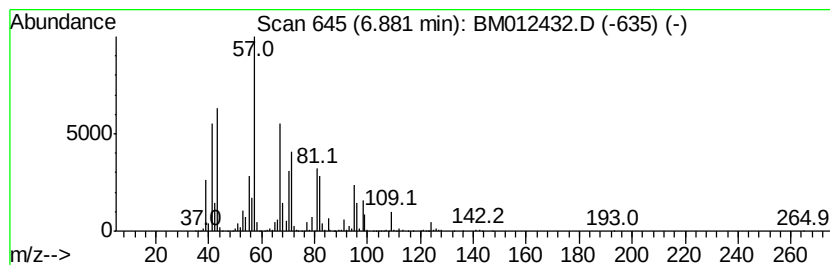
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	9.85 ng/ul	4850230	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	46
2			Ethylidenecycloheptane	124	C9H16	010494-87-8	41
3			3-Octyne, 6-methyl-	124	C9H16	062108-34-3	41
4			Cyclopropene, 1-butyl-2-ethyl-	124	C9H16	050915-91-8	38
5			3-Octyne, 2-methyl-	124	C9H16	055402-15-8	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

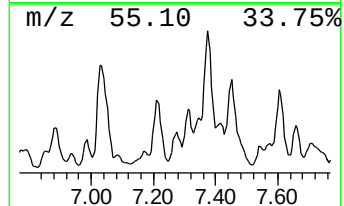
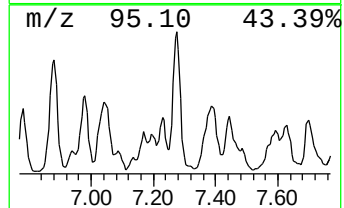
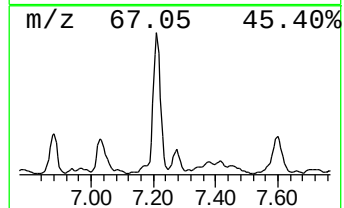
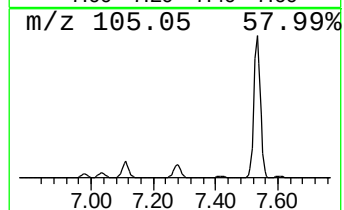
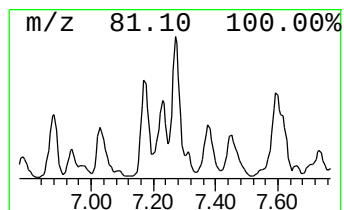
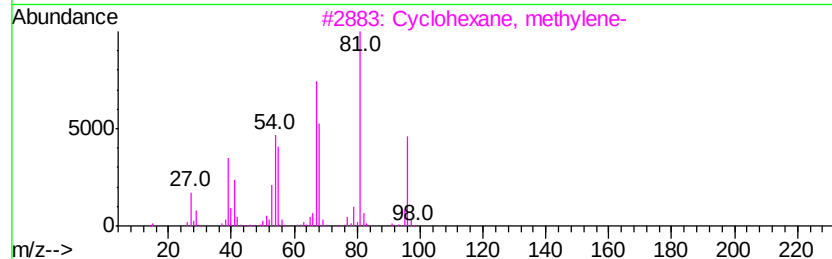
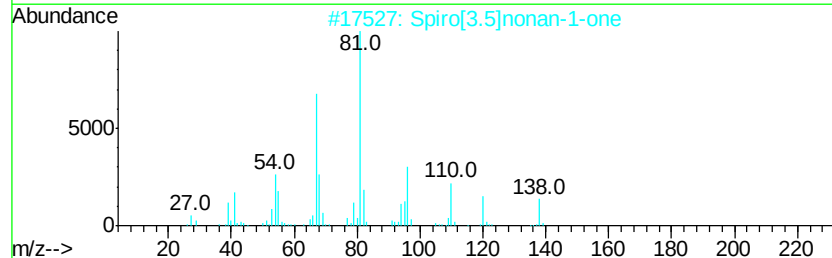
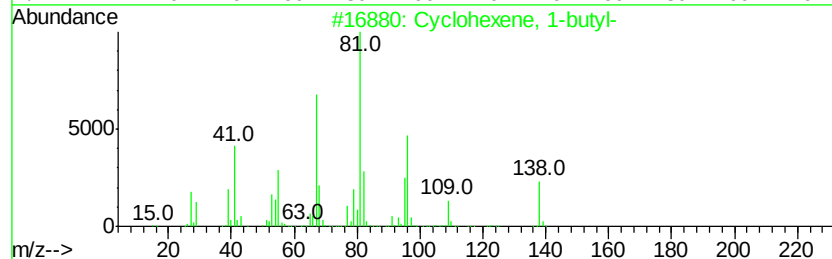
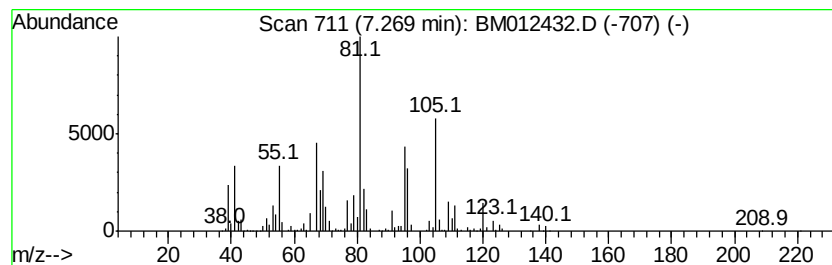
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Cyclohexene, 1-butyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	4.47 ng/ul	2198920	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	68
2		Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	58
3		Cyclohexane, methylene-	96	C7H12	001192-37-6	46
4		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	43
5		4,5-Nonadiene	124	C9H16	000821-74-9	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWP-B-31

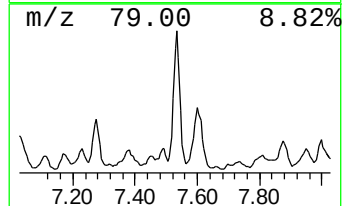
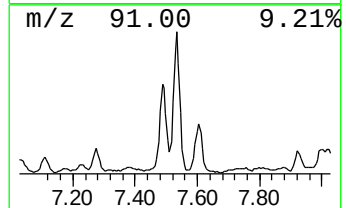
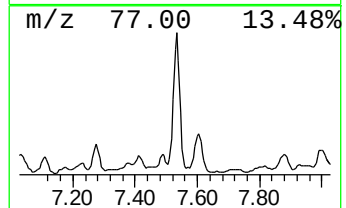
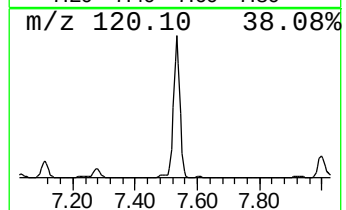
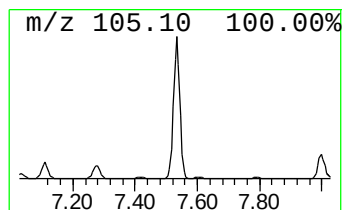
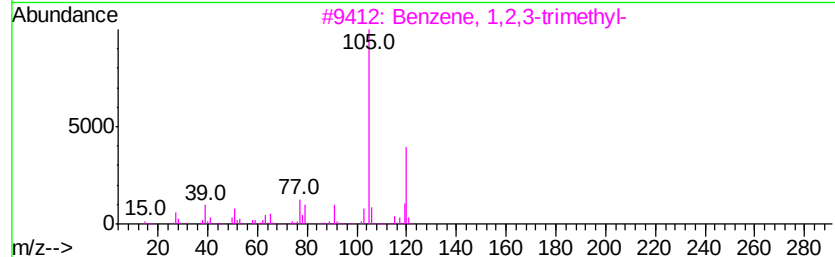
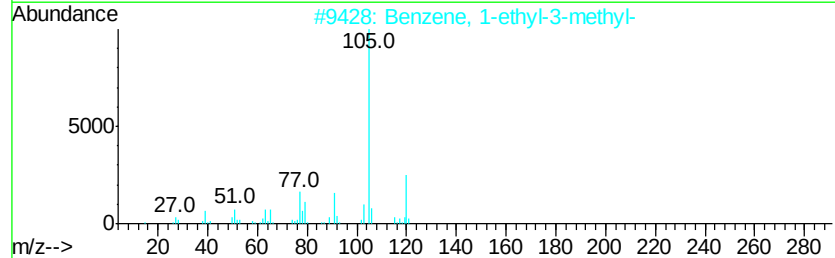
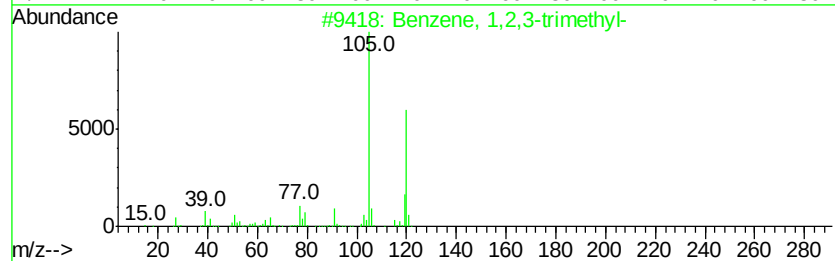
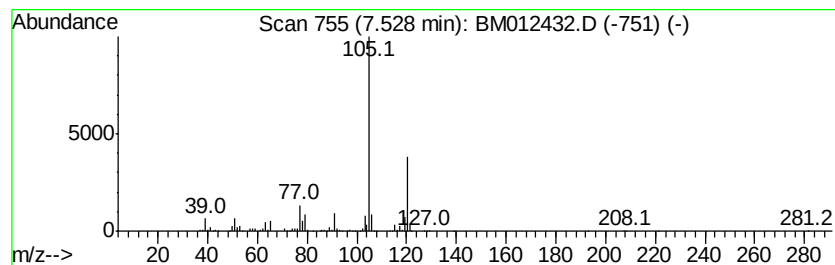
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	10.62 ng/ul	5227340	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

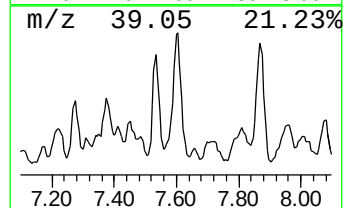
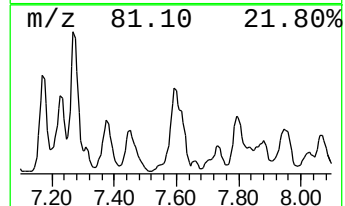
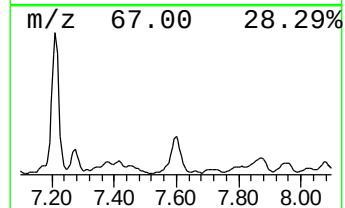
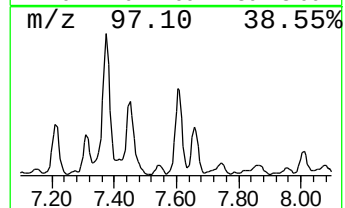
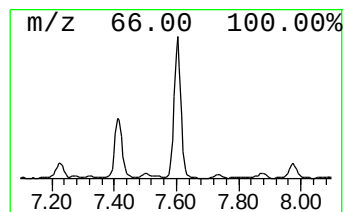
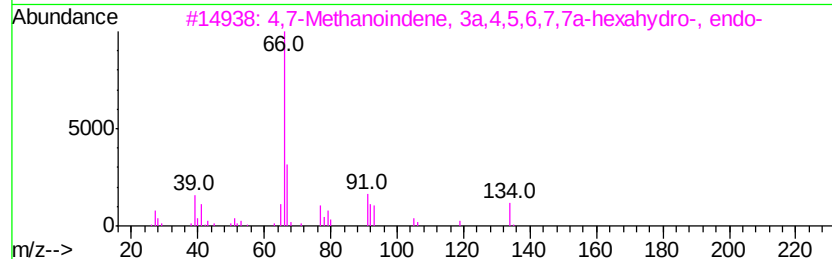
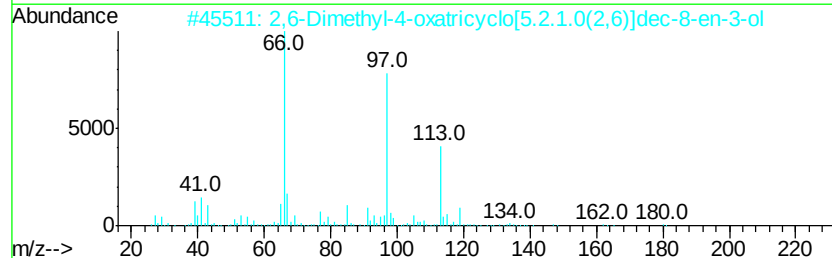
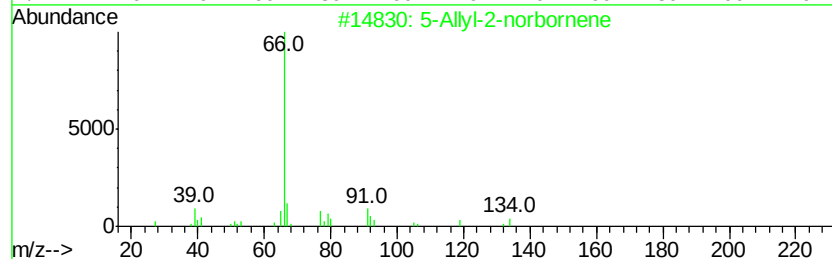
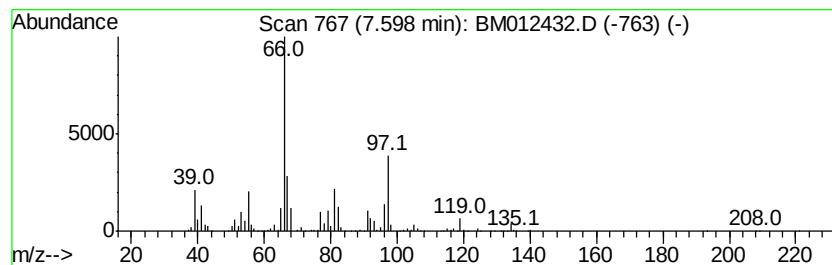
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 5-Allyl-2-norbornene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	8.32 ng/ul	4094670	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Allyl-2-norbornene	134	C10H14	031663-53-3	81
2		2,6-Dimethyl-4-oxatricyclo[5.2.1...	180	C11H16O2	1000190-92-8	78
3		4,7-Methanoindene, 3a,4,5,6,7,7a...	134	C10H14	002825-86-7	74
4		4,7-Methano-1H-indene, 2,3,3a,4,...	134	C10H14	019398-83-5	72
5		4,7-Methano-1H-indene, 2,3,3a,4,...	134	C10H14	019398-83-5	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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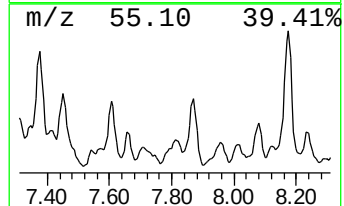
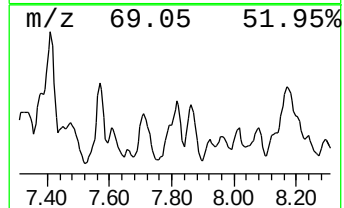
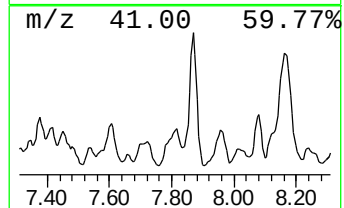
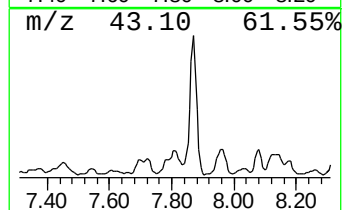
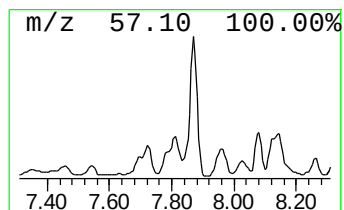
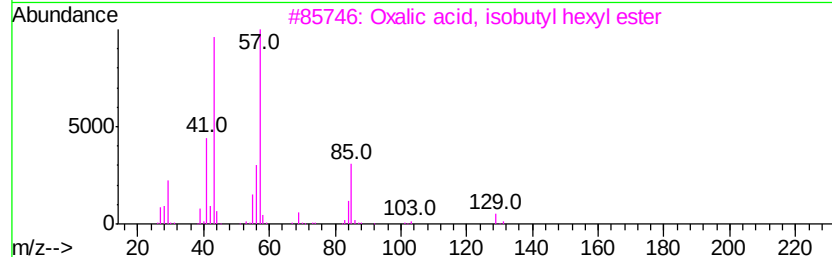
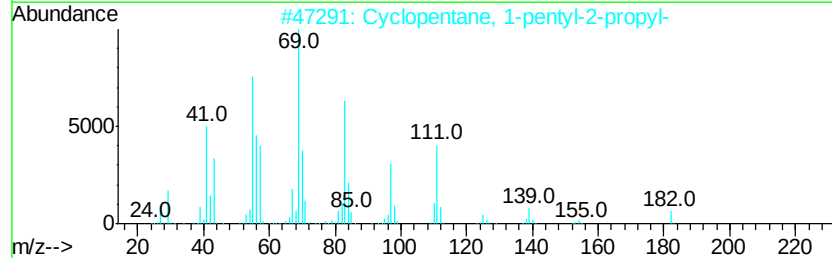
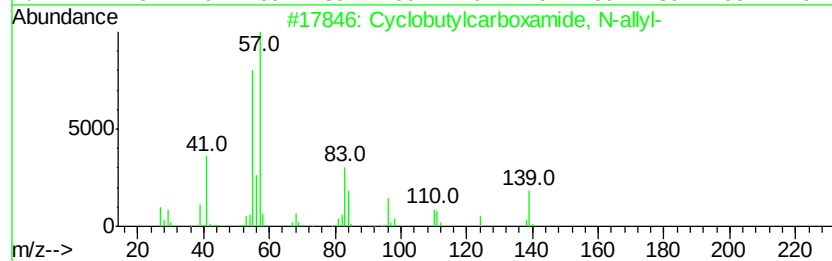
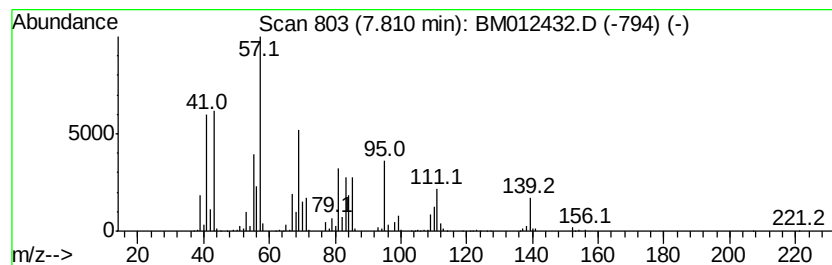
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Cyclobutylcarboxamide, N-al... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	6.10 ng/ul	3000330	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclobutylcarboxamide, N-allyl-	139	C8H13NO	1000340-36-9	53
2			Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	38
3			Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	35
4			Decane	142	C10H22	000124-18-5	35
5			Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

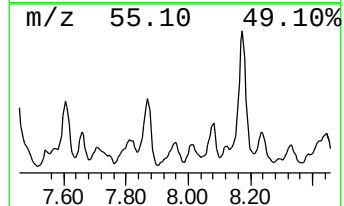
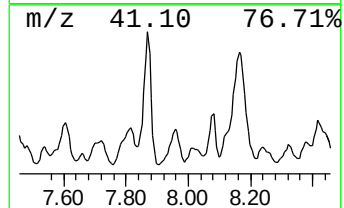
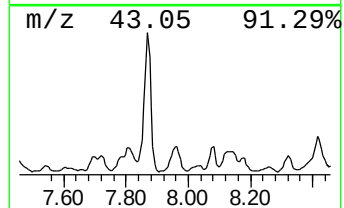
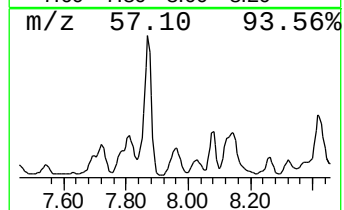
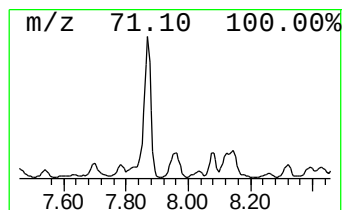
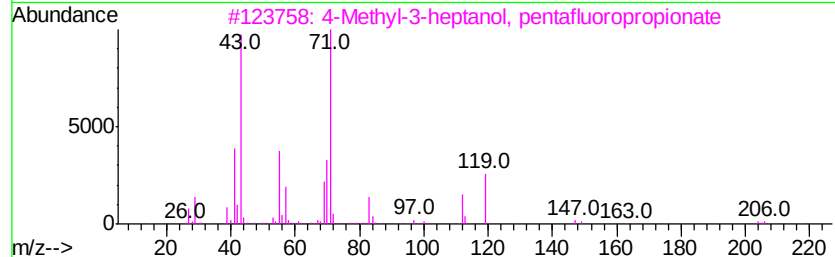
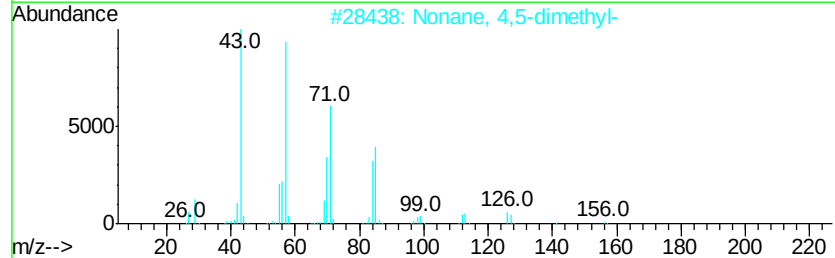
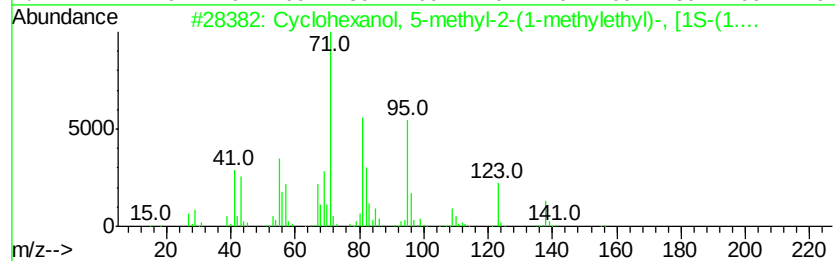
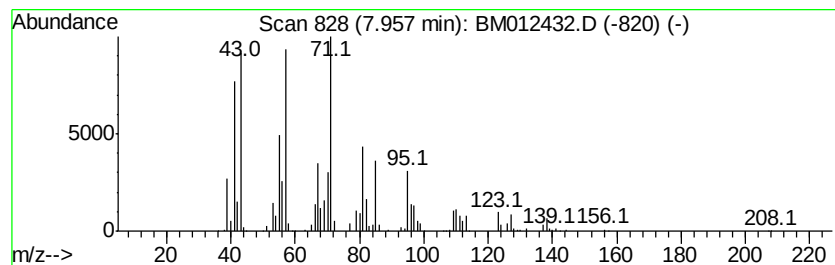
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	4.93 ng/ul	2424830	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	023283-97-8	50
2		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	42
3		4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	38
4		2,5-Dimethylcyclohexanol	128	C8H16O	003809-32-3	38
5		Nonadecane	268	C19H40	000629-92-5	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

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TWP-B-31

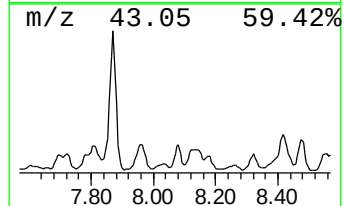
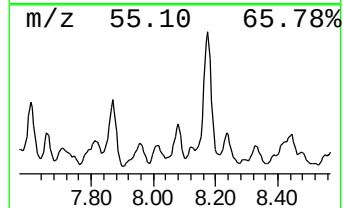
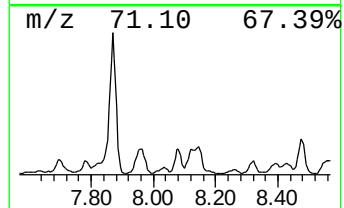
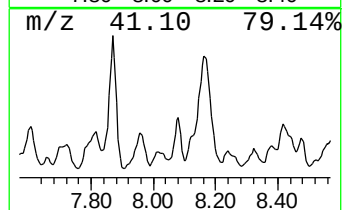
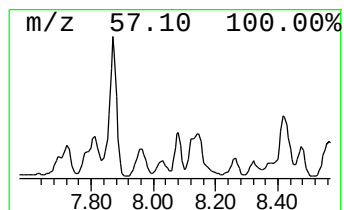
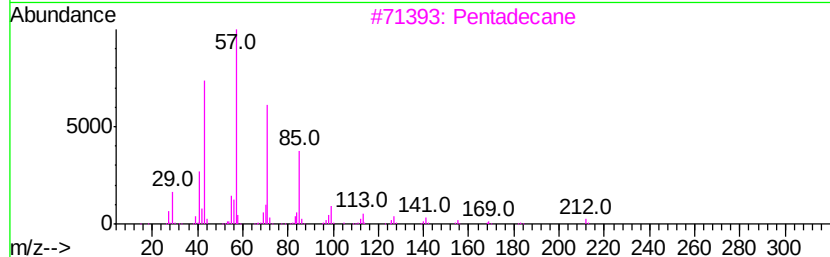
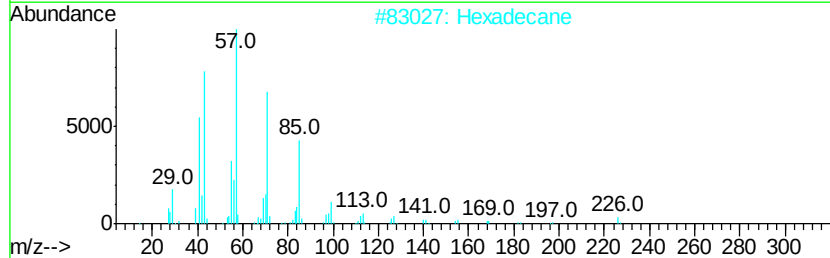
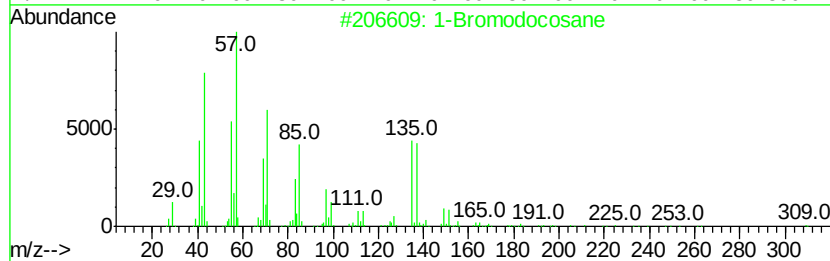
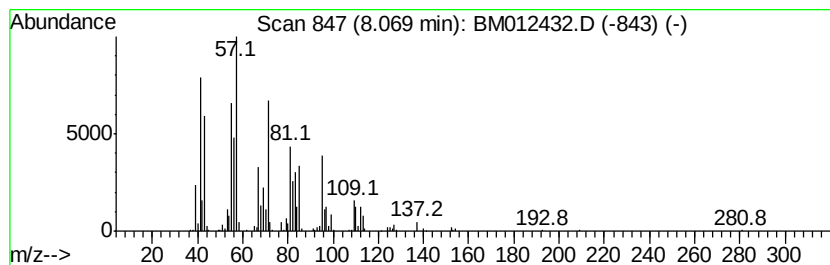
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 unknown-03 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	3.98 ng/ul	1958100	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Bromodocosane	388	C22H45Br	006938-66-5	43
2			Hexadecane	226	C16H34	000544-76-3	38
3			Pentadecane	212	C15H32	000629-62-9	38
4			Decane, 2-methyl-	156	C11H24	006975-98-0	35
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

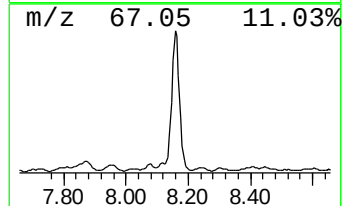
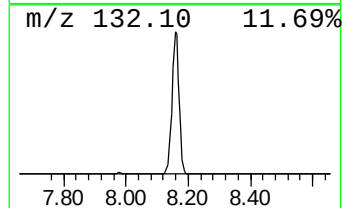
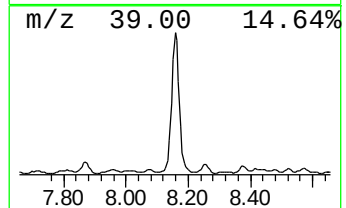
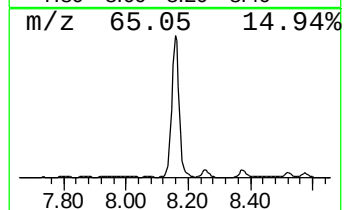
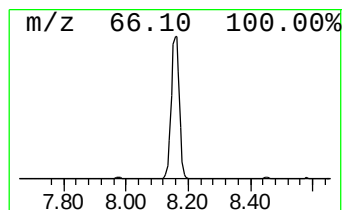
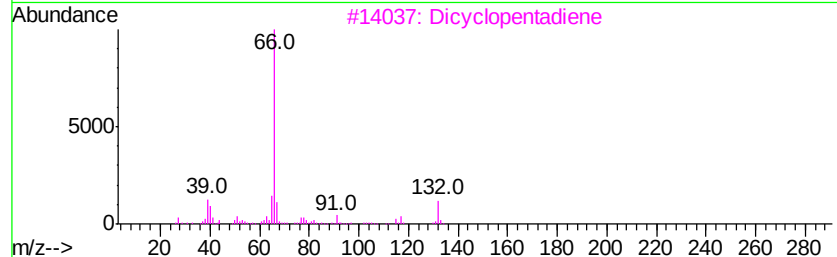
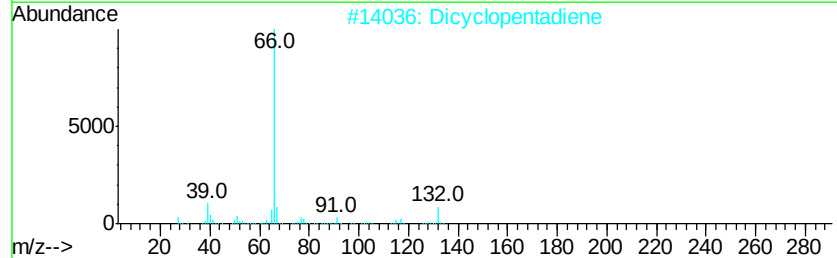
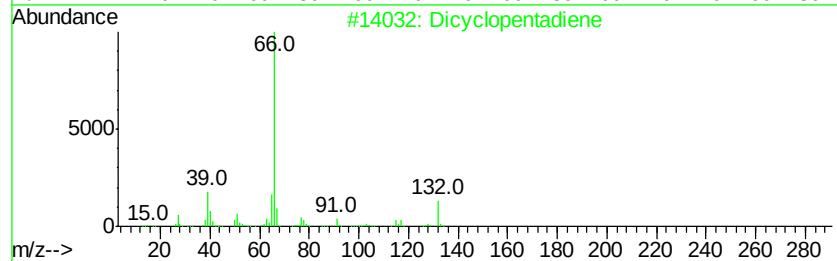
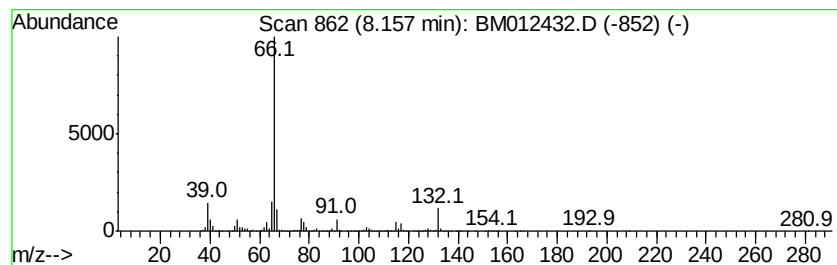
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 Dicyclopentadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	84.24 ng/ul	41467500	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dicvclopentadiene	132	C10H12	000077-73-6	95
2		Dicvclopentadiene	132	C10H12	000077-73-6	91
3		Dicvclopentadiene	132	C10H12	000077-73-6	91
4		Dicvclopentadiene	132	C10H12	000077-73-6	91
5		Dicvclopentadiene	132	C10H12	000077-73-6	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

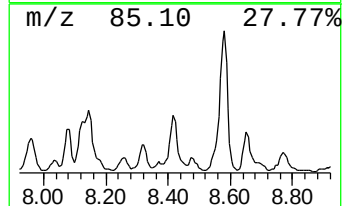
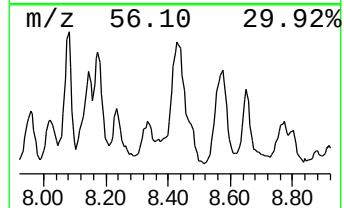
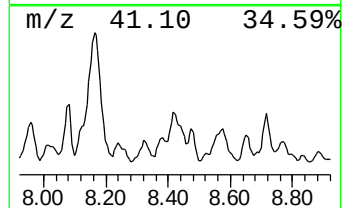
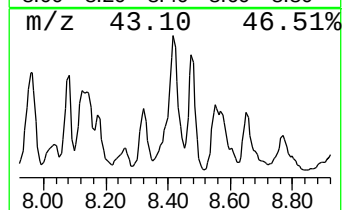
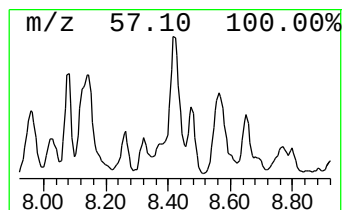
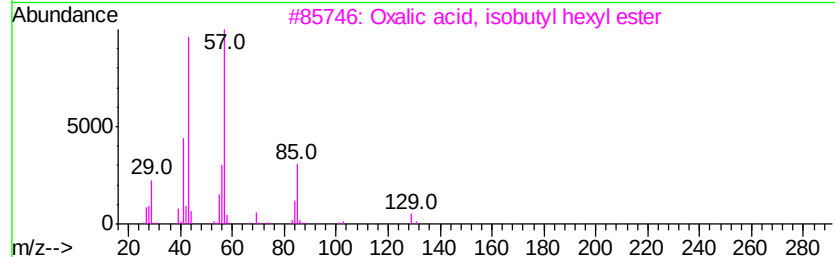
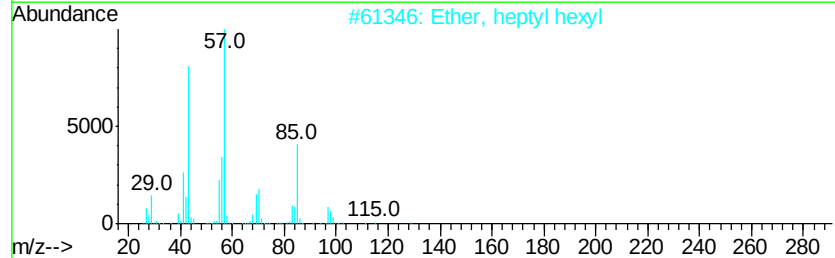
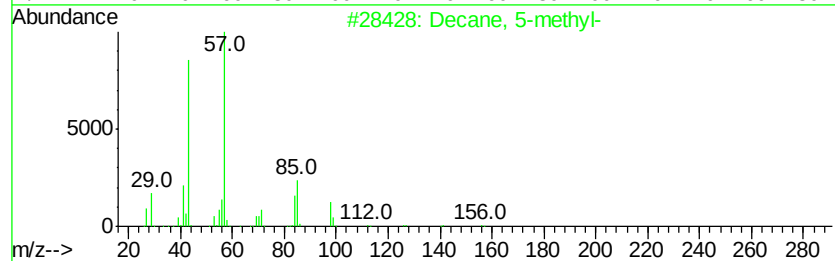
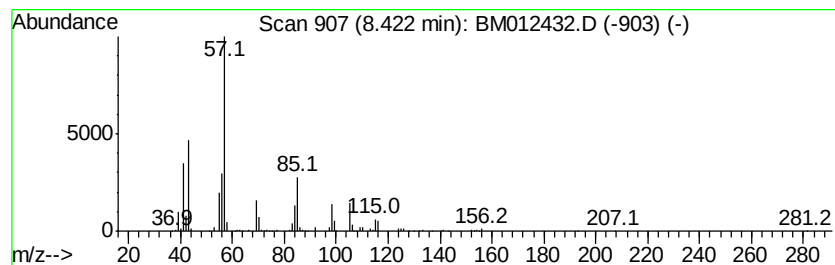
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	6.15 ng/ul	3027760	1,4-Dichlorobenzene-d4	7.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	64
2		Ether, heptyl hexyl	200	C13H28O	007289-40-9	59
3		Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	53
4		Undecane, 3-methyl-	170	C12H26	001002-43-3	47
5		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
Data File : BM012432.D
Acq On : 25 Oct 2017 00:14
Operator : SJ/JU
Sample : I6032-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TWP-B-31

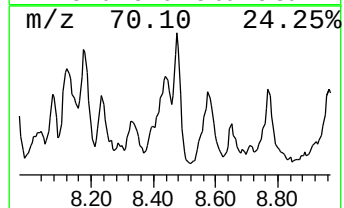
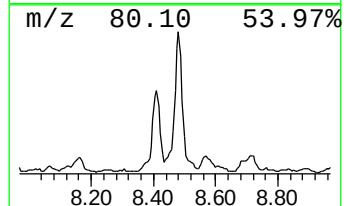
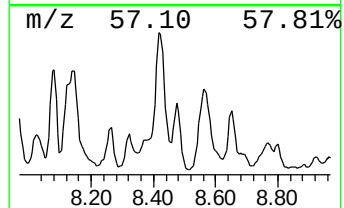
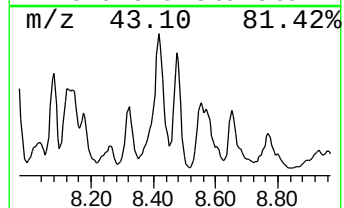
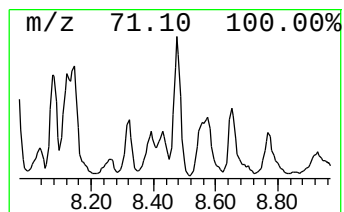
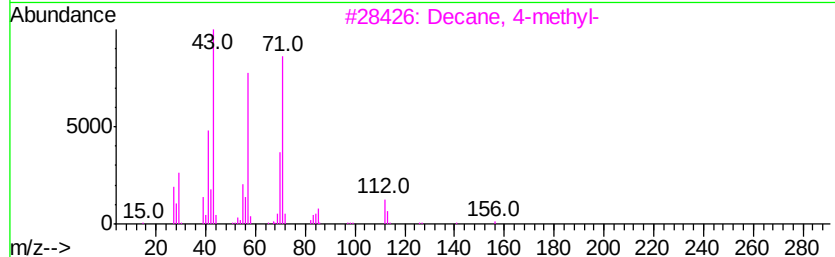
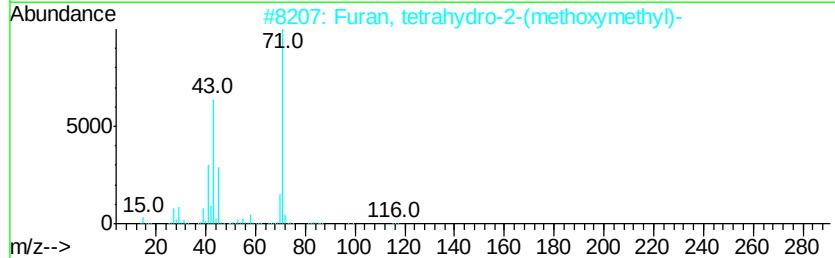
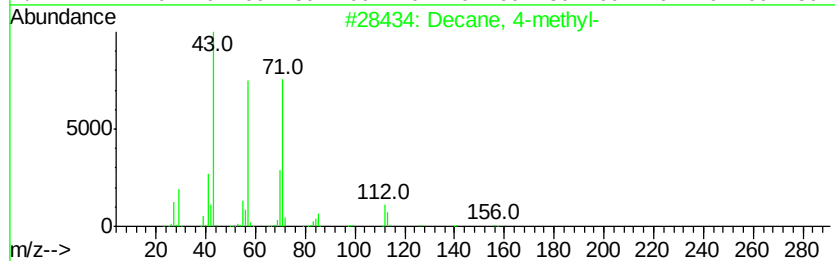
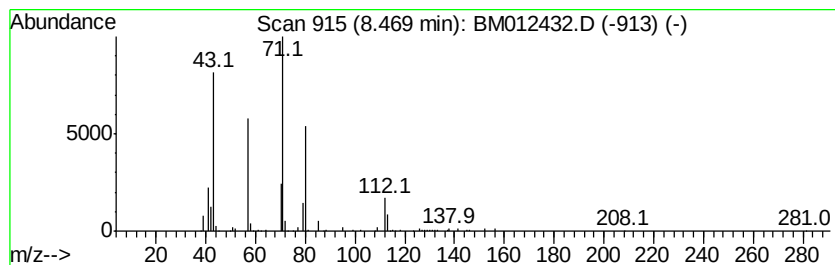
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	2.42 ng/ul	1190720	1,4-Dichlorobenzene-d4	7.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	49
2			Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	43
3			Decane, 4-methyl-	156	C11H24	002847-72-5	43
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	42
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	40



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102417\
 Data File : BM012432.D
 Acq On : 25 Oct 2017 00:14
 Operator : SJ/JU
 Sample : I6032-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TWP-B-31

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	4.28	3.4	ng/ul	1649600	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	4.56	3.3	ng/ul	1646270	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	4.65	2.1	ng/ul	1054260	1	7.88	9844940	20.0
(DEL) Alkane: Str...	4.94	2.1	ng/ul	1026470	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	5.00	2.1	ng/ul	1046300	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	5.05	4.9	ng/ul	2399040	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	5.10	4.8	ng/ul	2381000	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	5.35	4.0	ng/ul	1984250	1	7.88	9844940	20.0
Benzene, 1,3-dime...	5.54	2.5	ng/ul	1204940	1	7.88	9844940	20.0
Pentalene, octahy...	5.60	3.6	ng/ul	1756630	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	5.70	2.0	ng/ul	1003440	1	7.88	9844940	20.0
Bicyclo[2.2.1]hep...	5.77	4.3	ng/ul	2092140	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	5.85	3.7	ng/ul	1824310	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	5.92	2.9	ng/ul	1441930	1	7.88	9844940	20.0
Cyclohexene, 3-me...	5.99	2.6	ng/ul	1269980	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	6.17	10.4	ng/ul	5099410	1	7.88	9844940	20.0
(DEL) Alkane: Str...	6.29	3.5	ng/ul	1711900	1	7.88	9844940	20.0
unknown-01	6.40	9.6	ng/ul	4715240	1	7.88	9844940	20.0
(DEL) Alkane: Str...	6.45	4.6	ng/ul	2256810	1	7.88	9844940	20.0
(DEL) Alkane: Cyc...	6.53	9.5	ng/ul	4690150	1	7.88	9844940	20.0
(DEL) Alkane: Str...	6.56	4.4	ng/ul	2156920	1	7.88	9844940	20.0
unknown-02	6.71	3.1	ng/ul	1537700	1	7.88	9844940	20.0
(DEL) Alkane: Str...	6.79	5.2	ng/ul	2559220	1	7.88	9844940	20.0
(DEL) Alkane: Str...	6.88	9.8	ng/ul	4850230	1	7.88	9844940	20.0
Cyclohexene, 1-bu...	7.27	4.5	ng/ul	2198920	1	7.88	9844940	20.0
Benzene, 1,2,3-tr...	7.53	10.6	ng/ul	5227340	1	7.88	9844940	20.0
5-Allyl-2-norbornene	7.60	8.3	ng/ul	4094670	1	7.88	9844940	20.0
Cyclobutylcarboxa...	7.81	6.1	ng/ul	3000330	1	7.88	9844940	20.0
Cyclohexanol, 5-m...	7.96	4.9	ng/ul	2424830	1	7.88	9844940	20.0
unknown-03	8.07	4.0	ng/ul	1958100	1	7.88	9844940	20.0
Dicyclopentadiene	8.16	84.2	ng/ul	41467500	1	7.88	9844940	20.0
(DEL) Alkane: Str...	8.42	6.2	ng/ul	3027760	1	7.88	9844940	20.0
(DEL) Alkane: Str...	8.47	2.4	ng/ul	1190720	1	7.88	9844940	20.0