

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005635.D
 Acq On : 24 May 2016 07:20
 Operator : UM/SJ
 Sample : H3124-02RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGF9RE

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\SOM02.2-EPA-BM052016.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	4.475	317	321	329	rVB	60293	98122	1.49%	0.089%
2	4.916	390	396	407	rBV6	54811	145566	2.22%	0.132%
3	5.016	407	413	419	rBV2	194307	340332	5.18%	0.309%
4	5.251	440	453	462	rVB	276843	481651	7.33%	0.437%
5	5.504	490	496	507	rVB4	55799	135937	2.07%	0.123%
6	5.622	507	516	522	rBV	177560	313657	4.77%	0.285%
7	5.692	522	528	532	rBV4	137702	264484	4.03%	0.240%
8	5.769	537	541	545	rVV2	160619	230174	3.50%	0.209%
9	5.834	550	552	559	rVB	78660	113504	1.73%	0.103%
10	5.910	559	565	574	rBV	226217	373378	5.68%	0.339%
11	5.987	574	578	587	rVB3	53875	103668	1.58%	0.094%
12	6.092	587	596	603	rBV3	539358	1359375	20.69%	1.234%
13	6.204	608	615	624	rVB4	98304	282445	4.30%	0.256%
14	6.310	624	633	639	rBV4	383619	1070544	16.30%	0.971%
15	6.363	639	642	646	rBV	226642	327987	4.99%	0.298%
16	6.416	646	651	655	rVV4	246600	533476	8.12%	0.484%
17	6.475	656	661	672	rVB2	960008	1849799	28.16%	1.679%
18	6.563	672	676	682	rVB2	303457	472421	7.19%	0.429%
19	6.628	682	687	693	rVB2	344974	596691	9.08%	0.541%
20	6.692	693	698	703	rBV5	85380	172682	2.63%	0.157%
21	6.775	707	712	713	rBV2	76357	98928	1.51%	0.090%
22	6.804	714	717	721	rBV5	56480	88534	1.35%	0.080%
23	6.904	729	734	737	rBV2	358484	571009	8.69%	0.518%
24	6.951	737	742	748	rVV4	1253340	2574862	39.19%	2.337%
25	7.010	748	752	761	rVB	849728	1426605	21.72%	1.295%
26	7.092	761	766	769	rBV	303574	515727	7.85%	0.468%
27	7.145	769	775	779	rVV2	835967	1460962	22.24%	1.326%
28	7.192	779	783	788	rVB3	479730	695499	10.59%	0.631%
29	7.239	788	791	793	rBV2	139862	194465	2.96%	0.176%
30	7.316	798	804	807	rBV4	250169	486741	7.41%	0.442%
31	7.363	807	812	818	rVB2	795992	1506659	22.93%	1.367%
32	7.469	825	830	831	rBV3	182806	271288	4.13%	0.246%
33	7.528	831	840	846	rVB3	806209	1858128	28.28%	1.686%
34	7.634	852	858	865	rVB4	248436	655482	9.98%	0.595%

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35	7.739	865	876	878	rBV4	636083	1720030	26.18%	1.561%
36	7.786	881	884	885	rVV2	758542	1010023	15.37%	0.917%
37	7.816	886	889	895	rVB2	1013396	1671354	25.44%	1.517%
38	7.881	895	900	905	rVB4	362666	631871	9.62%	0.573%
39	7.951	905	912	914	rBV3	410707	885427	13.48%	0.803%
40	7.992	915	919	924	rVB4	608905	1107797	16.86%	1.005%
41	8.039	924	927	931	rBV2	257979	356239	5.42%	0.323%
42	8.157	944	947	953	rVB4	232797	421413	6.41%	0.382%
43	8.222	954	958	961	rBV3	215363	325166	4.95%	0.295%
44	8.257	961	964	968	rVB3	201644	289889	4.41%	0.263%
45	8.369	969	983	992	rVB3	1005550	3070062	46.73%	2.786%
46	8.445	992	996	999	rBV3	166346	248224	3.78%	0.225%
47	8.481	999	1002	1005	rBV4	94590	107615	1.64%	0.098%
48	8.545	1007	1013	1017	rBV	1019528	1798446	27.38%	1.632%
49	8.645	1025	1030	1035	rBV	1881235	3255218	49.55%	2.954%
50	8.792	1050	1055	1065	rVB5	534095	1591964	24.23%	1.445%
51	8.910	1065	1075	1081	rBV4	1125089	3396997	51.71%	3.083%
52	8.980	1082	1087	1098	rVB	827710	2175235	33.11%	1.974%
53	9.075	1099	1103	1107	rVB3	364263	584402	8.90%	0.530%
54	9.122	1107	1111	1113	rBV2	648774	976074	14.86%	0.886%
55	9.163	1114	1118	1125	rVB4	1032221	2190808	33.35%	1.988%
56	9.233	1125	1130	1133	rBV4	389276	764378	11.64%	0.694%
57	9.275	1134	1137	1143	rVB6	361457	614440	9.35%	0.558%
58	9.345	1144	1149	1155	rBV6	329255	979836	14.91%	0.889%
59	9.533	1173	1181	1192	rVB	2854025	6277390	95.55%	5.696%
60	9.698	1205	1209	1213	rVB4	617577	954711	14.53%	0.866%
61	9.792	1219	1225	1238	rBV2	3303697	6569541	100.00%	5.961%
62	9.892	1238	1242	1246	rBV3	503017	783393	11.92%	0.711%
63	10.251	1299	1303	1308	rVB2	870161	1478100	22.50%	1.341%
64	10.316	1309	1314	1322	rVV6	939029	2648697	40.32%	2.404%
65	10.398	1323	1328	1338	rVB4	1119610	2634314	40.10%	2.390%
66	10.586	1353	1360	1362	rBV2	1830435	3841831	58.48%	3.486%
67	10.627	1364	1367	1373	rVB4	2108430	3523116	53.63%	3.197%
68	10.733	1382	1385	1389	rBV4	487986	875375	13.32%	0.794%
69	10.910	1411	1415	1419	rVB5	542290	795579	12.11%	0.722%
70	11.027	1430	1435	1442	rVV3	1209693	2212732	33.68%	2.008%
71	11.104	1443	1448	1453	rVB3	1628983	2731987	41.59%	2.479%

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72	11.274	1472	1477	1479	rBV3	1098081	1895319	28.85%	1.720%
73	11.639	1535	1539	1541	rBV	1149253	1747255	26.60%	1.586%
74	11.810	1564	1568	1575	rVB3	1103059	2218362	33.77%	2.013%
75	11.904	1580	1584	1588	rVB3	1511944	2591727	39.45%	2.352%
76	12.357	1657	1661	1667	rBV4	897295	2280603	34.71%	2.069%
77	12.669	1710	1714	1719	rBV5	1183120	1996696	30.39%	1.812%
78	12.904	1750	1754	1759	rVB3	1726083	2902570	44.18%	2.634%
79	13.951	1929	1932	1936	rVB	1907822	2647613	40.30%	2.403%
80	16.204	2311	2315	2319	rVB2	3160948	4750281	72.31%	4.311%

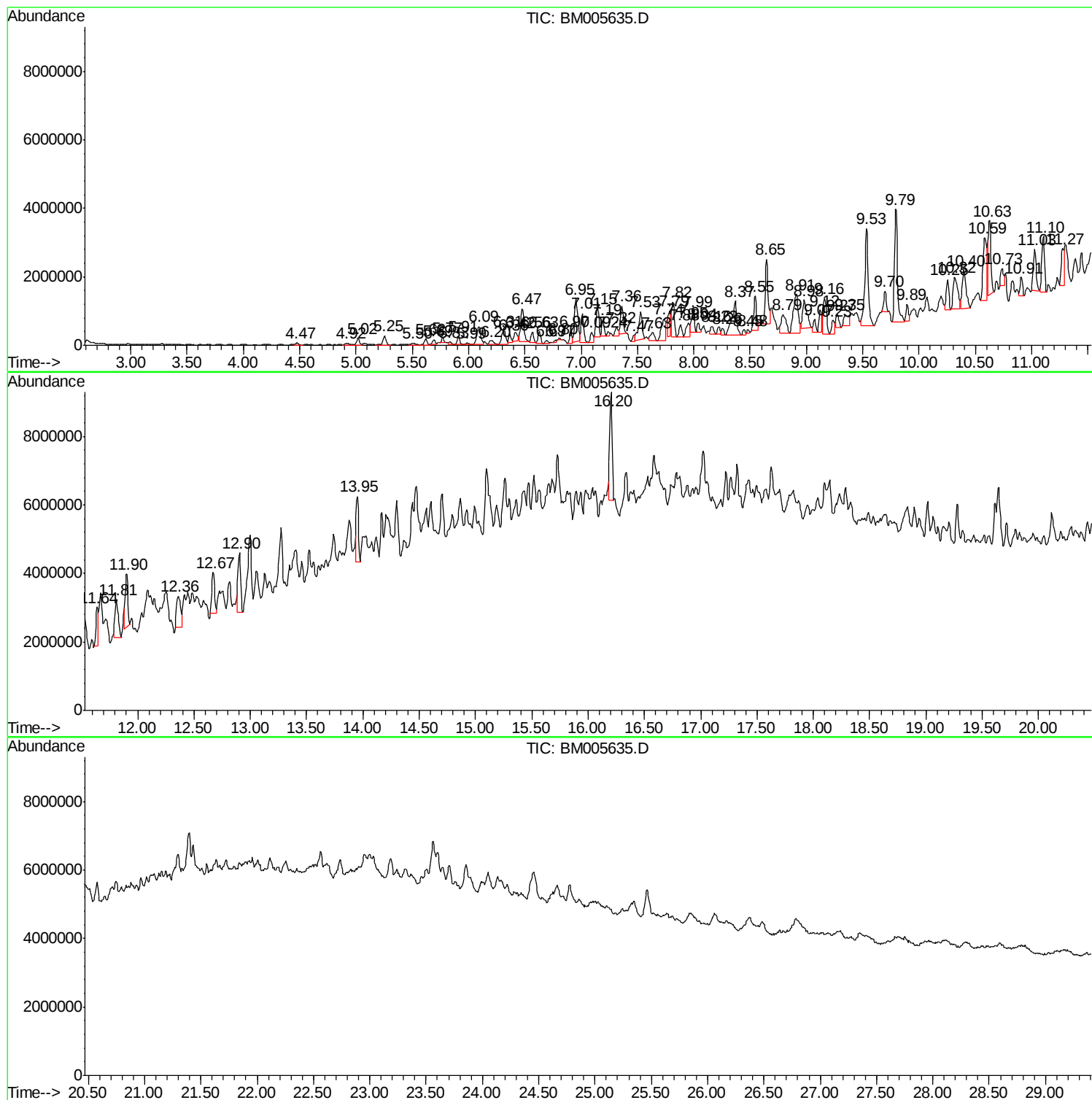
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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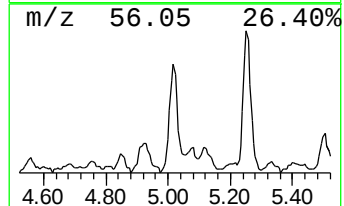
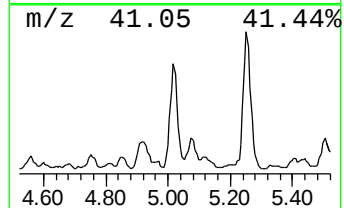
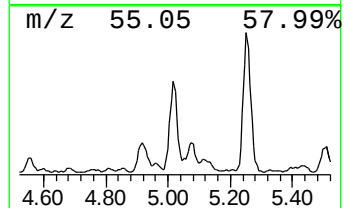
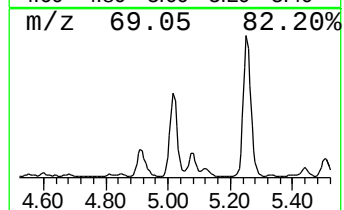
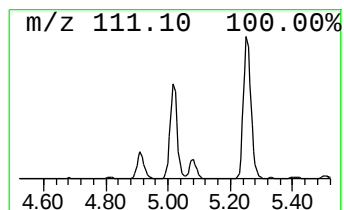
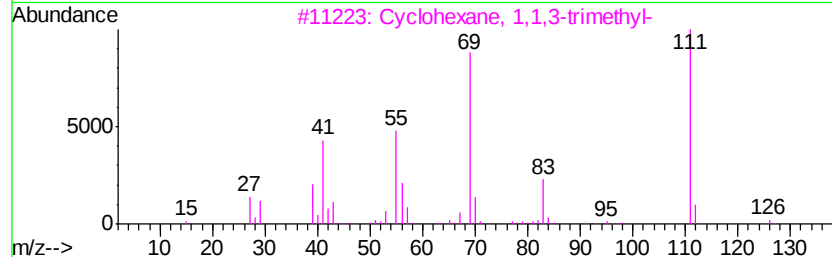
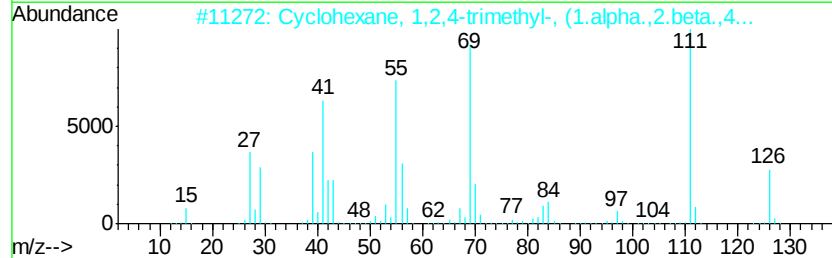
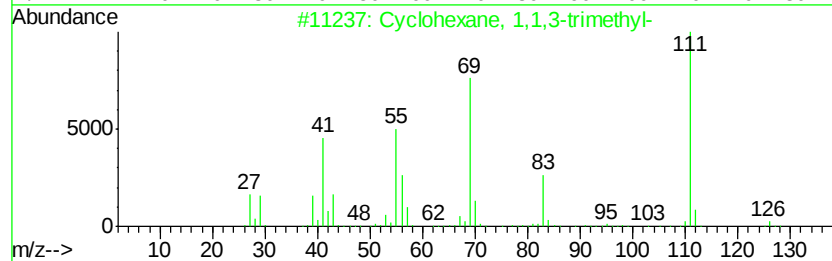
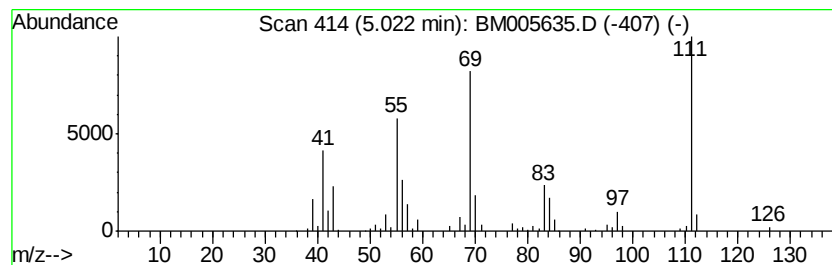
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Cyclic5.02 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	4.07 ng/ul	340332	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	78
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64



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ALS Vial : 21 Sample Multiplier: 1

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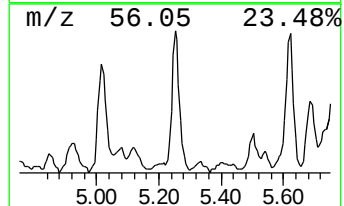
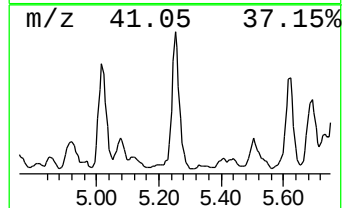
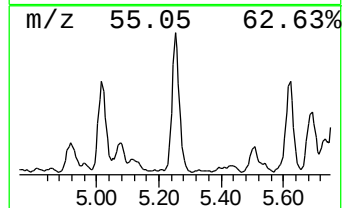
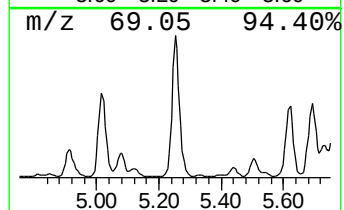
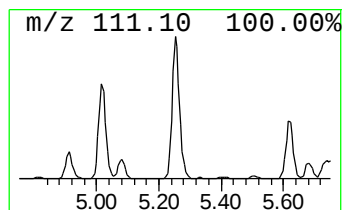
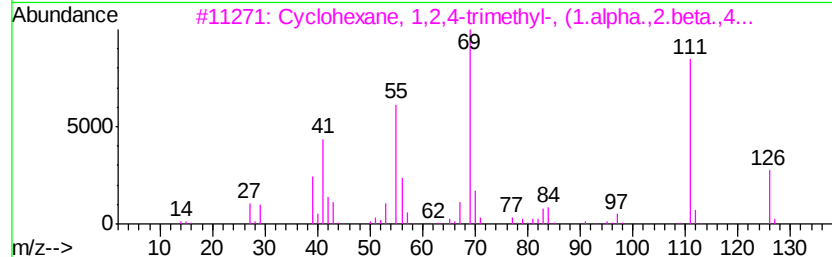
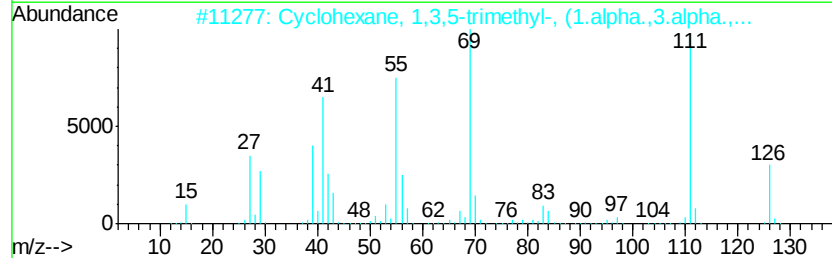
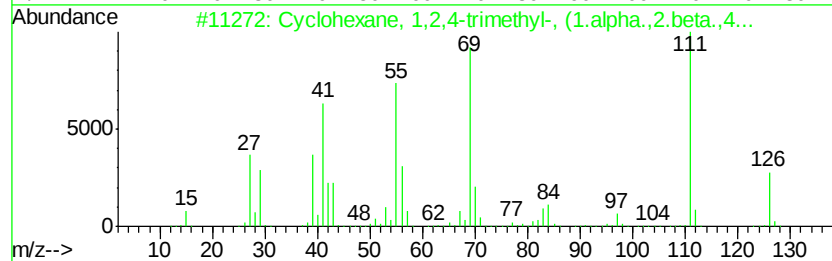
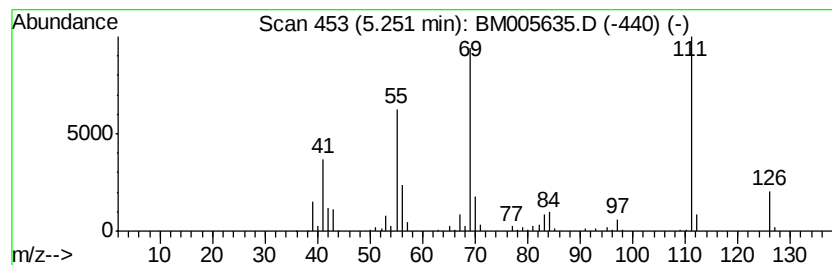
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Cyclic5.25 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	5.76 ng/ul	481651	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	95
2		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	94
3		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	93
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83



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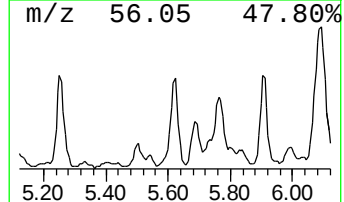
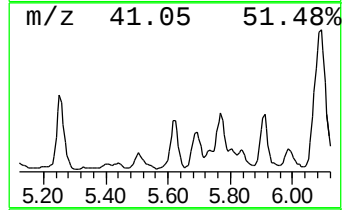
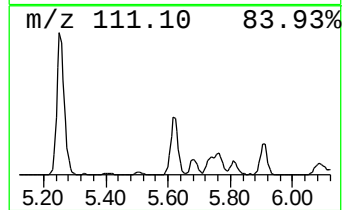
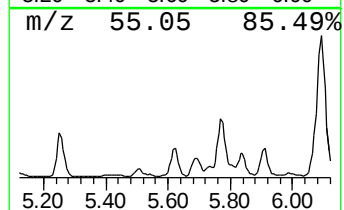
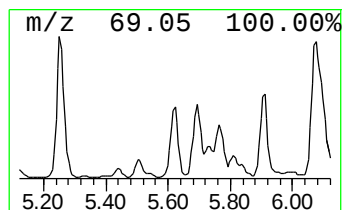
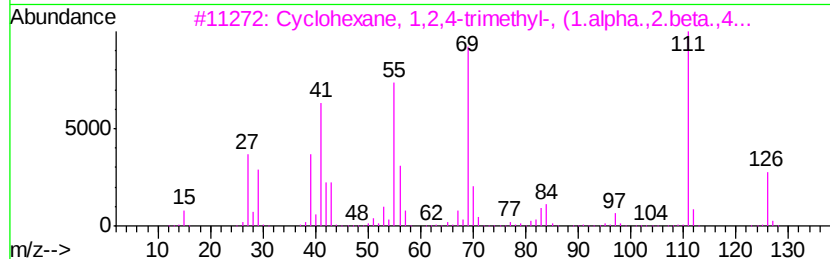
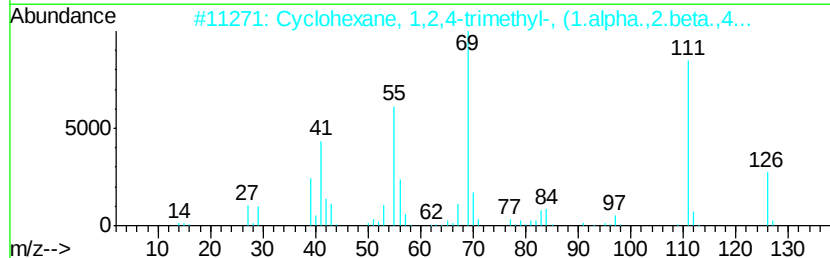
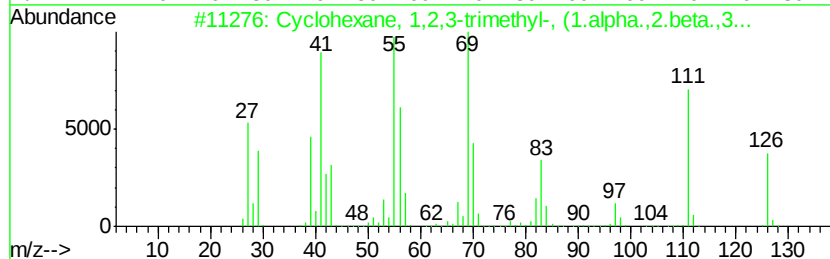
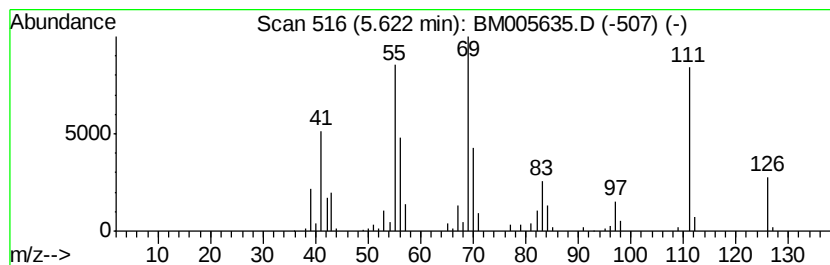
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic5.62 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	3.75 ng/ul	313657	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	91
2		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	76
3		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	68
4		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	62
5		cis-3-Nonene	126	C9H18	020237-46-1	55



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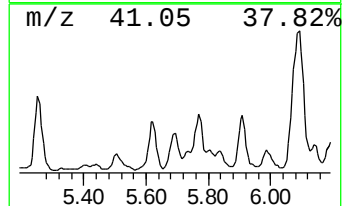
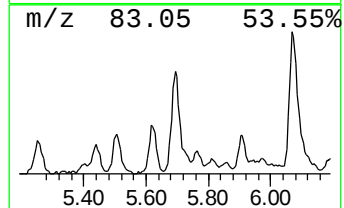
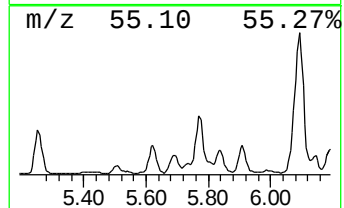
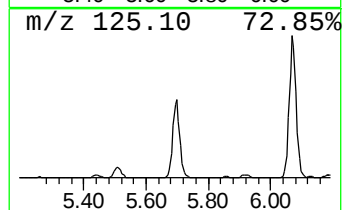
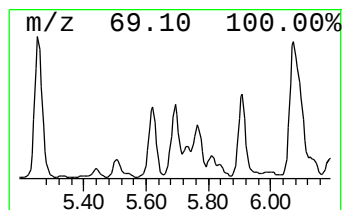
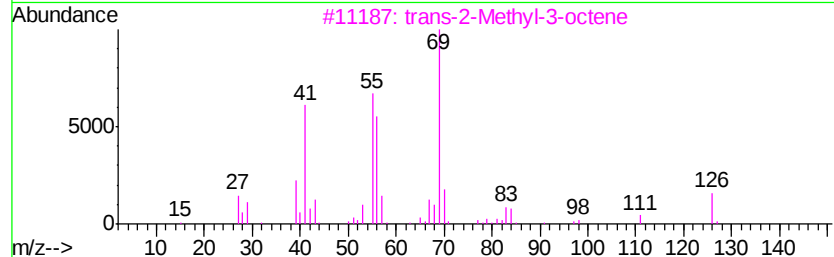
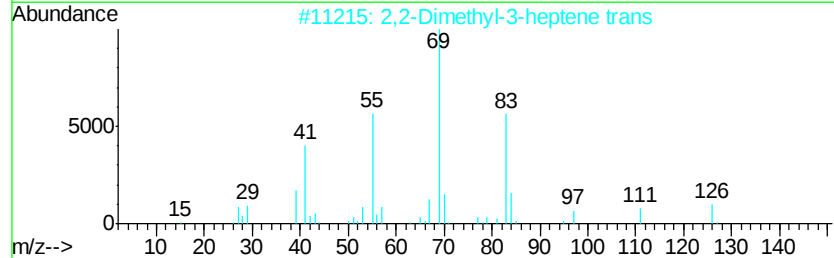
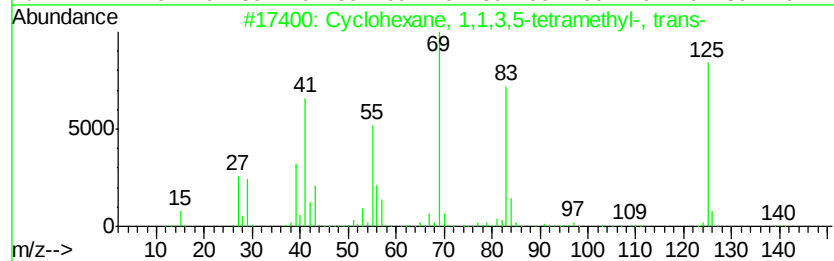
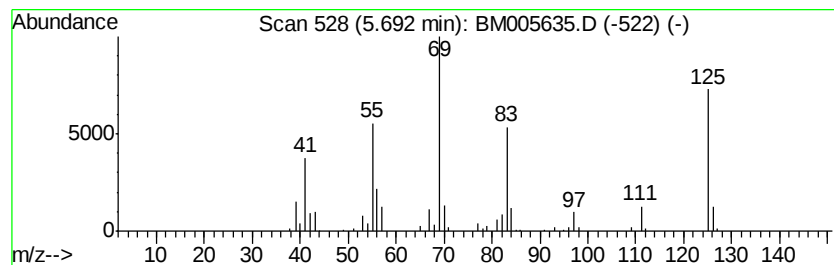
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Cyclic5.69 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	3.16 ng/ul	264484	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	80
2		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	70
3		trans-2-Methyl-3-octene	126	C9H18	052937-36-7	45
4		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	38
5		2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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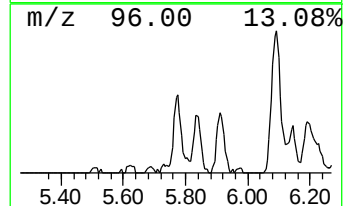
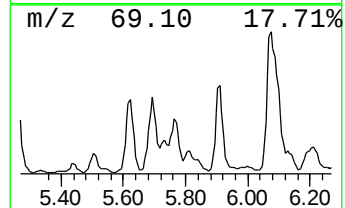
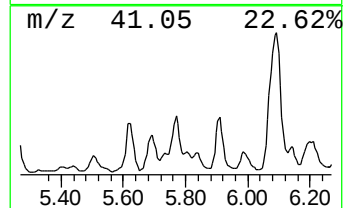
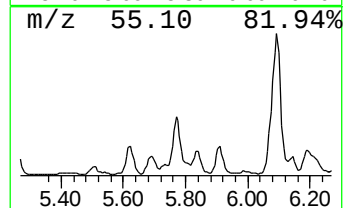
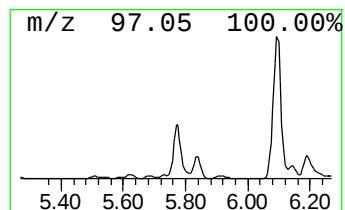
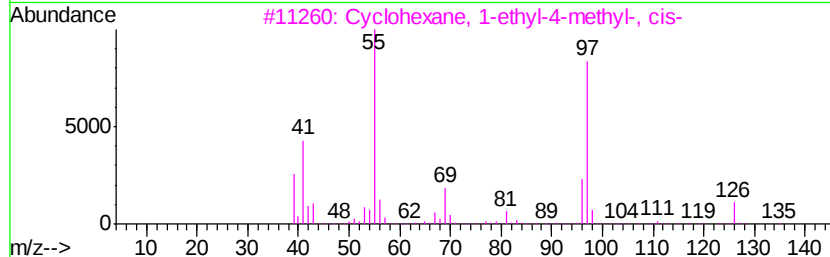
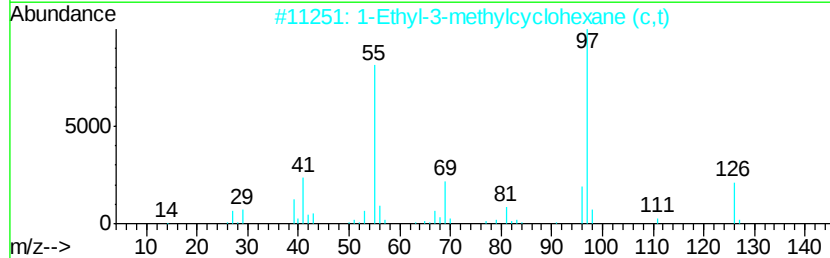
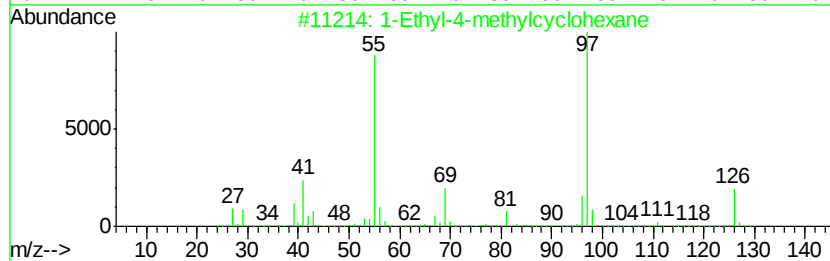
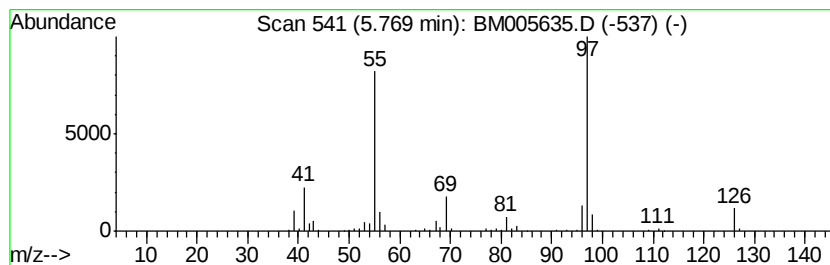
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Cyclic5.77 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	2.75 ng/ul	230174	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	76
5		4-Octen-3-one	126	C8H14O	014129-48-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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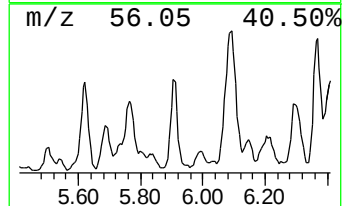
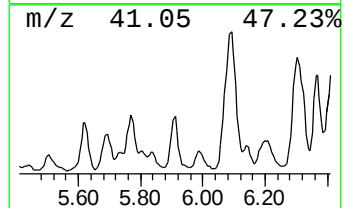
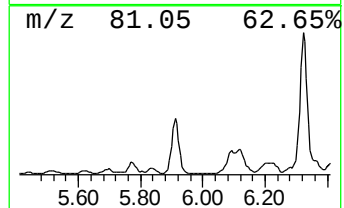
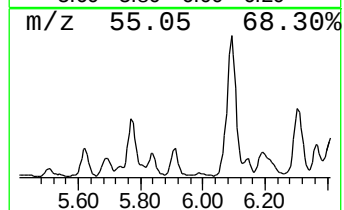
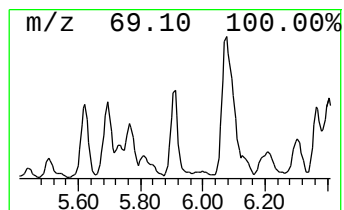
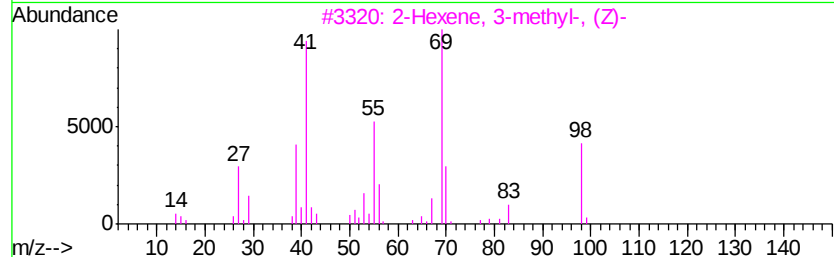
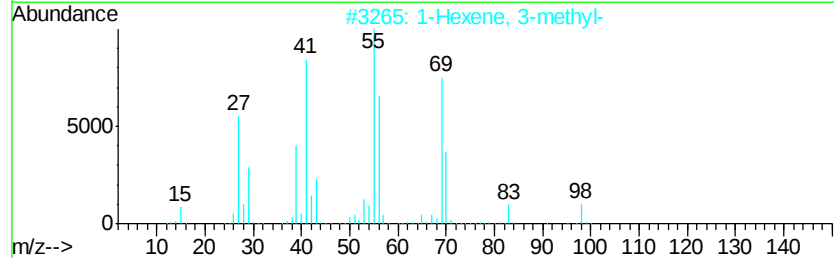
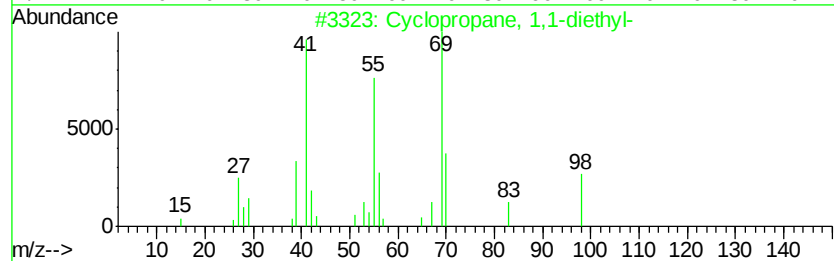
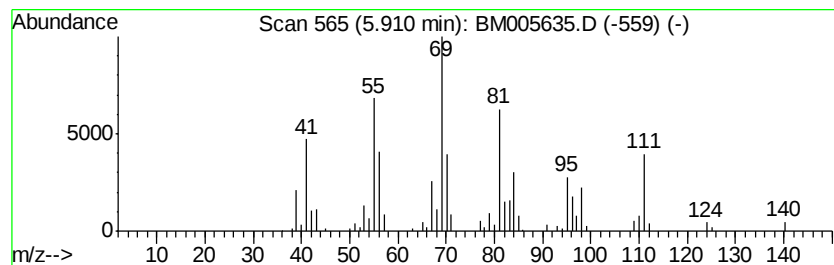
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Cyclic5.91 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.91	4.47 ng/ul	373378	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	55
2		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	53
3		2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	46
4		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	45
5		3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	45



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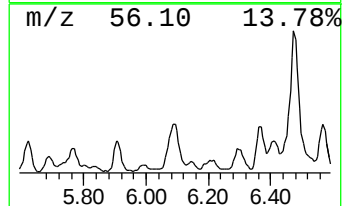
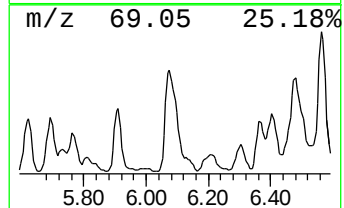
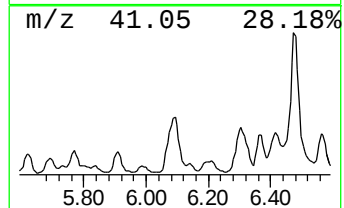
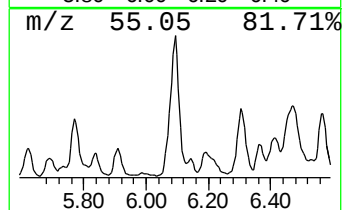
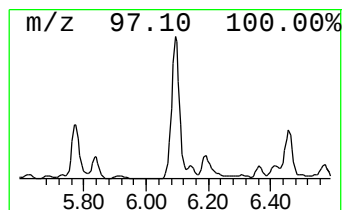
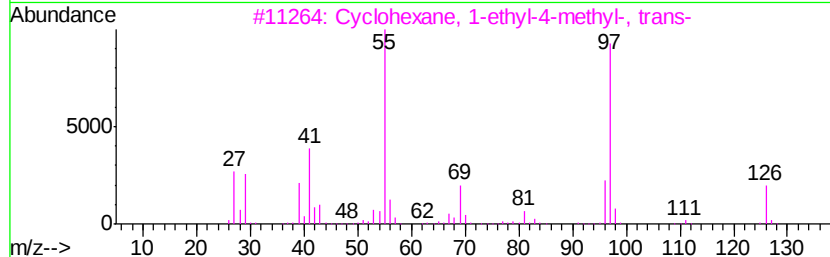
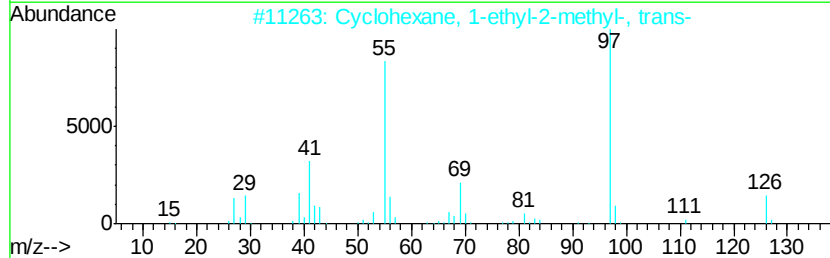
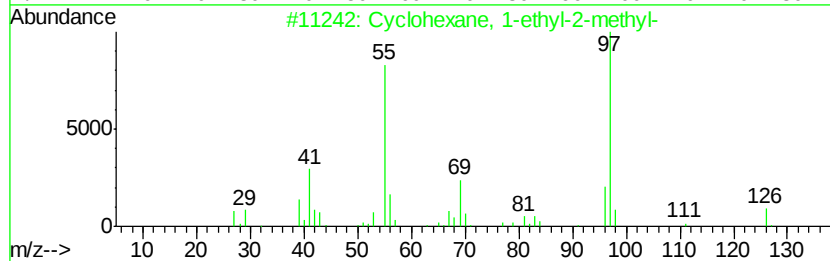
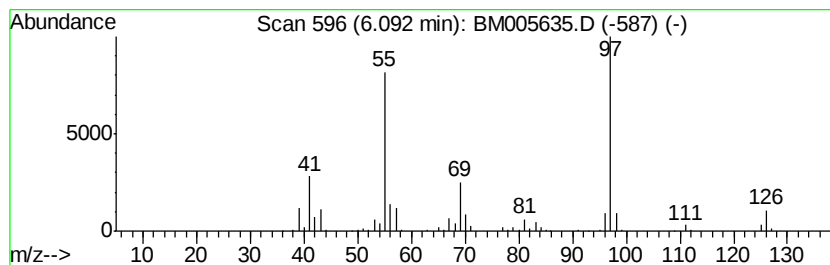
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Cyclic6.09 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	16.27 ng/ul	1359380	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
4			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
5			4-Octen-3-one	126	C8H14O	014129-48-7	80



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 07:20
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Misc :
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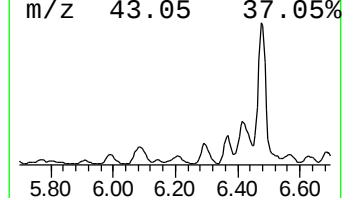
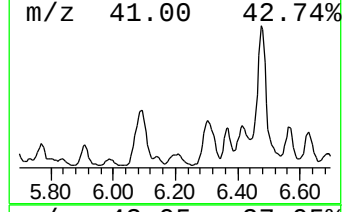
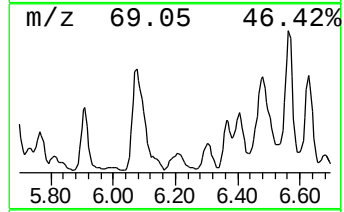
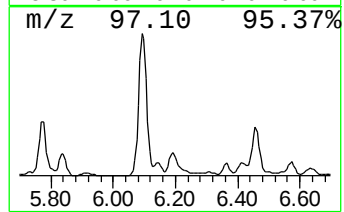
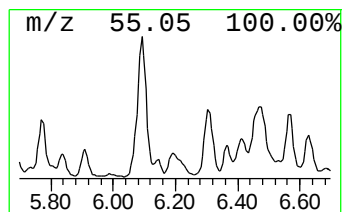
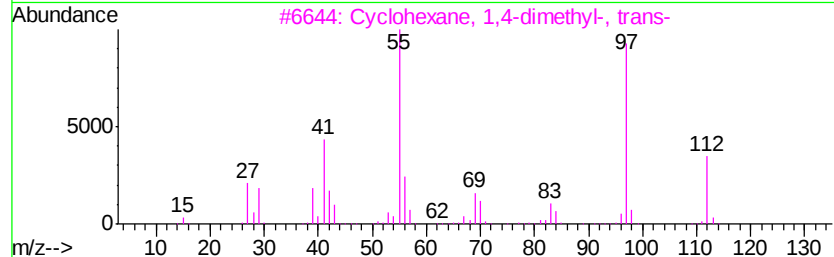
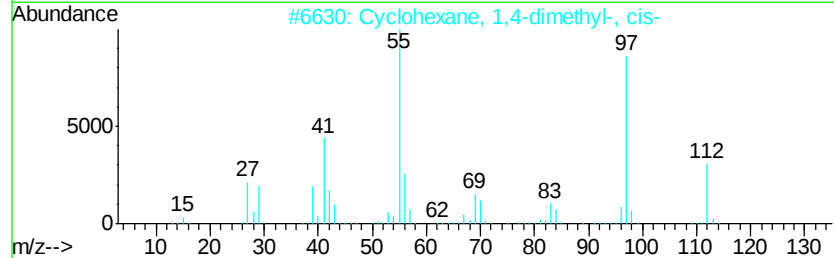
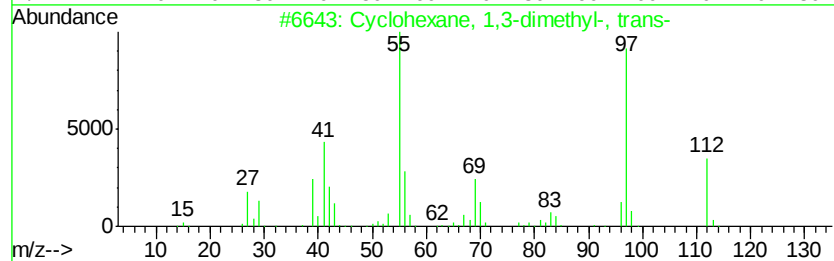
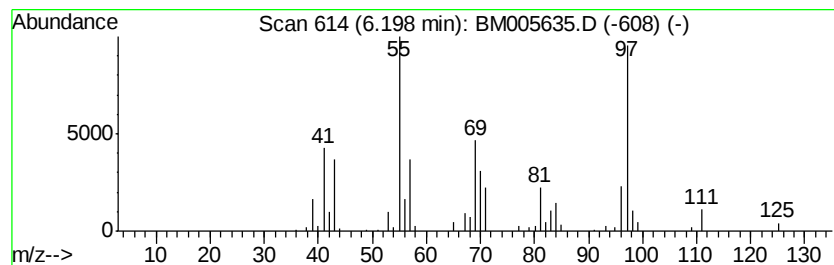
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Cyclic6.20 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	3.38 ng/ul	282445	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	49
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	47
3			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	47
4			Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	47
5			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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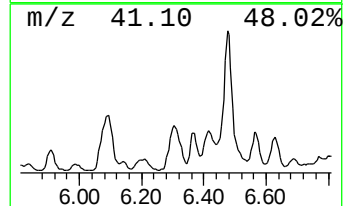
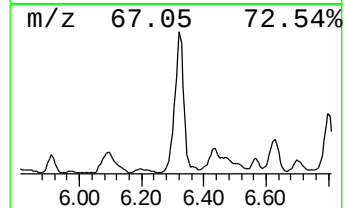
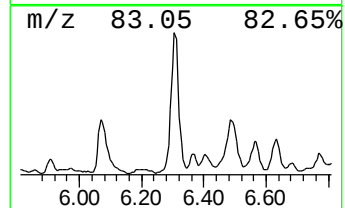
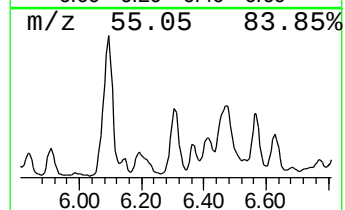
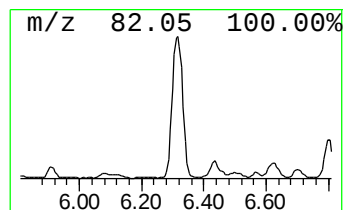
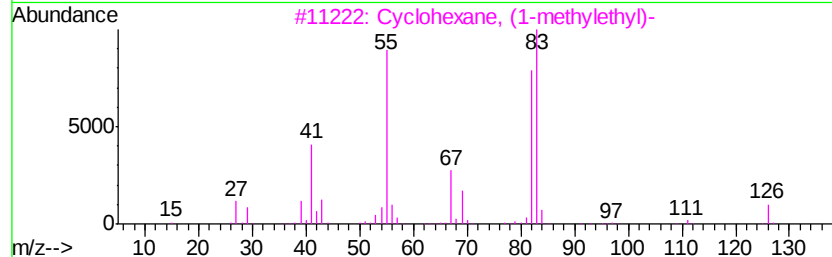
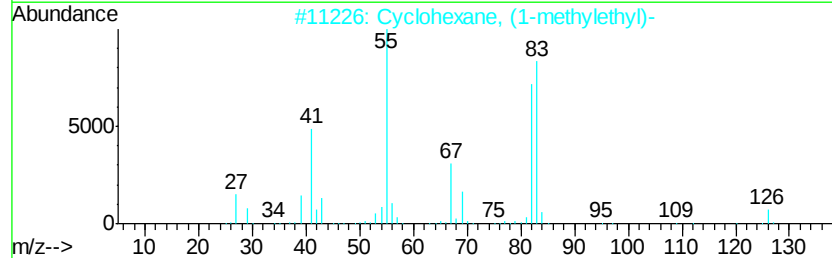
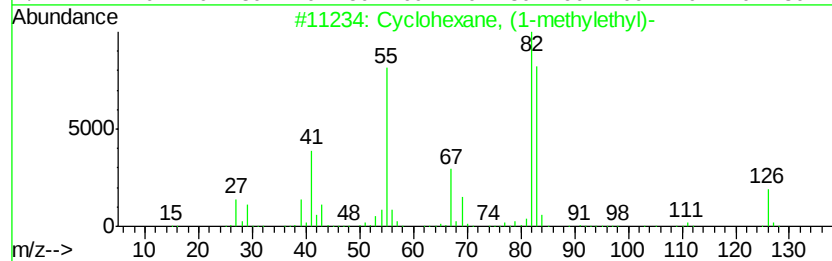
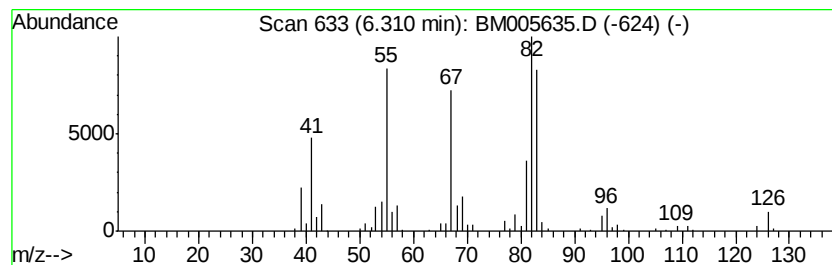
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Cyclic6.31 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	12.81 ng/ul	1070540	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
4		7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	50
5		Cyclohexanemethanol	114	C7H14O	000100-49-2	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 07:20
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Misc :
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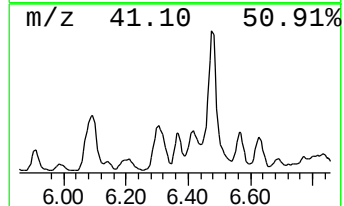
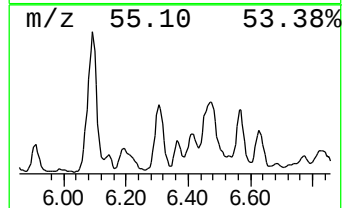
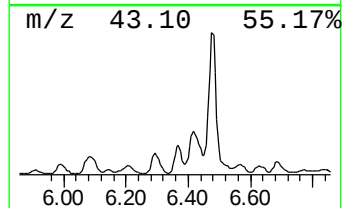
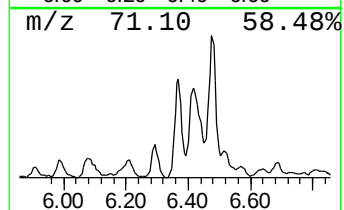
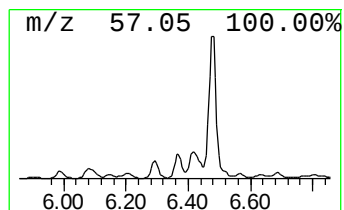
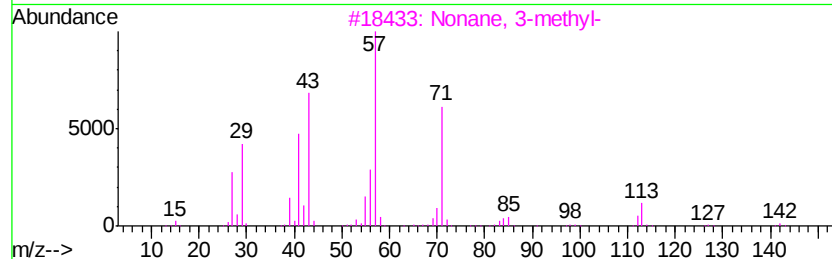
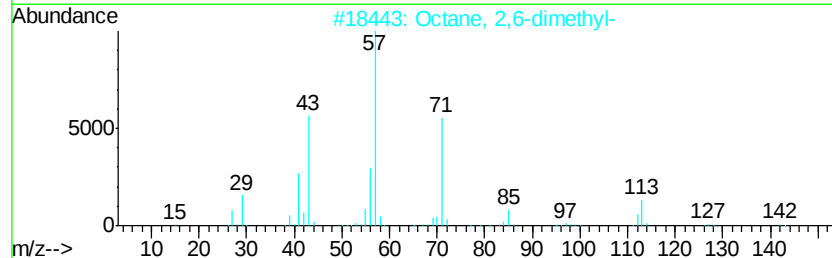
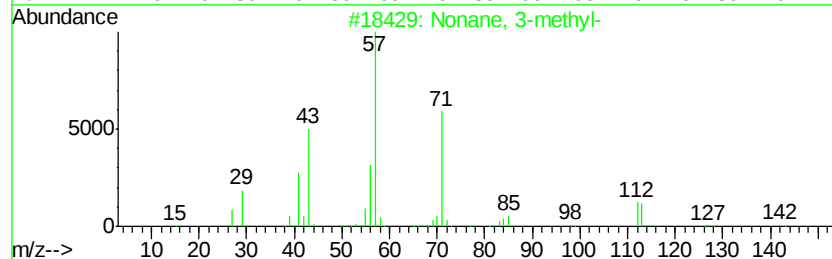
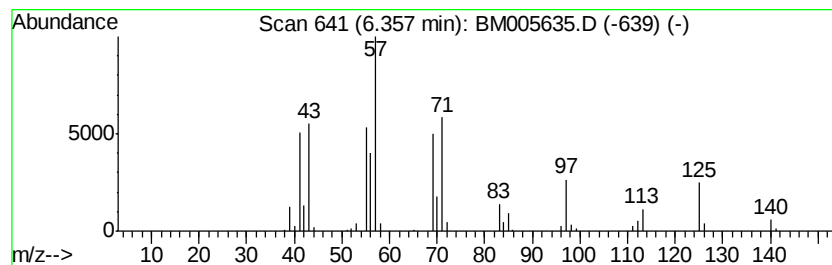
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	3.92 ng/ul	327987	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	64
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	62
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 07:20
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Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGF9RE

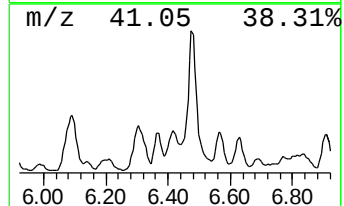
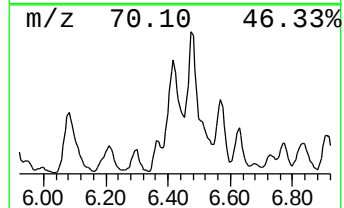
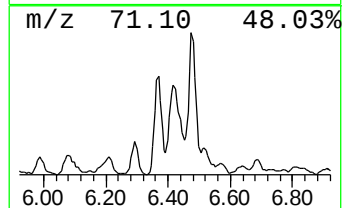
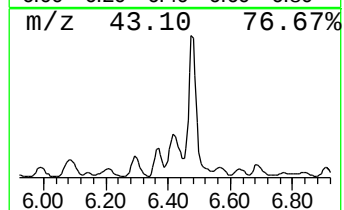
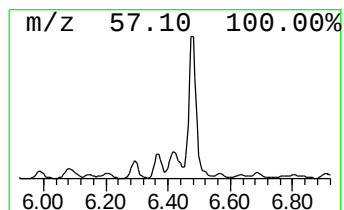
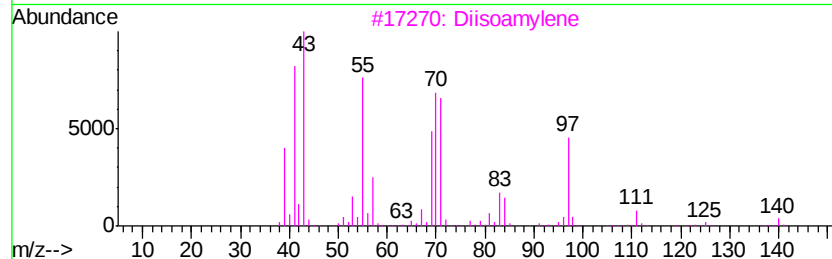
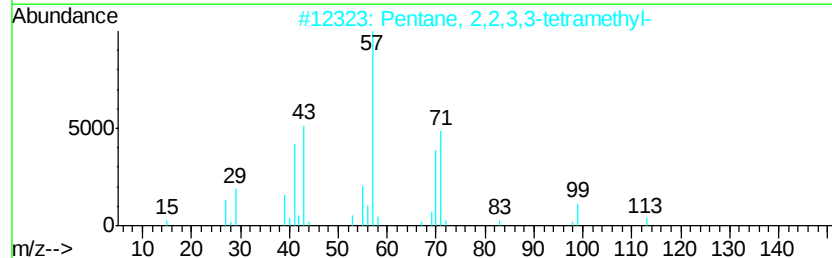
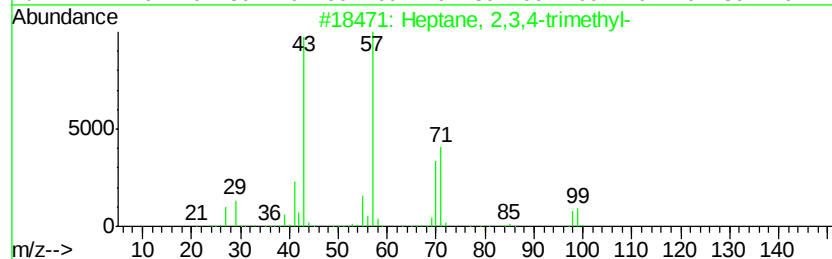
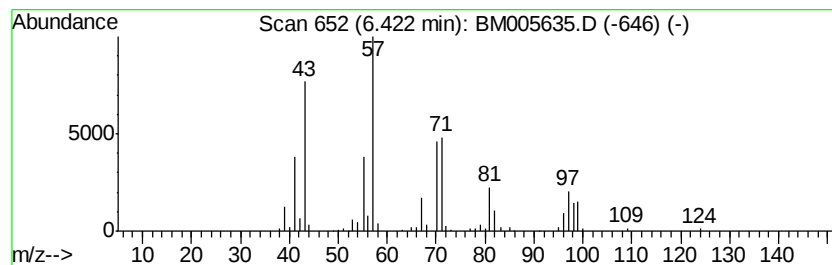
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	6.38 ng/ul	533476	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
2			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
3			Diisoomylene	140	C10H20	054063-09-1	47
4			Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
5			Bicyclo[3.1.0]hexan-2-ol	98	C6H10O	1000194-18-6	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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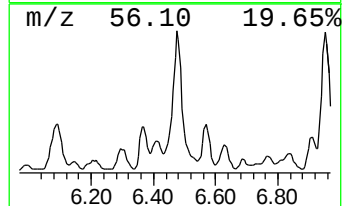
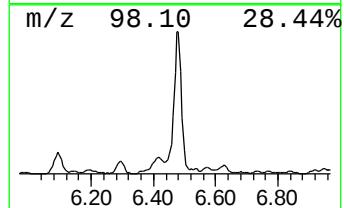
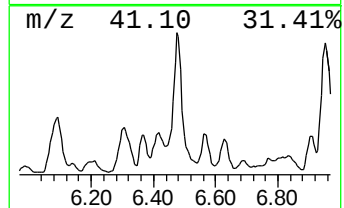
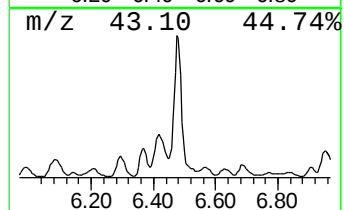
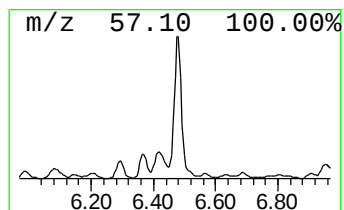
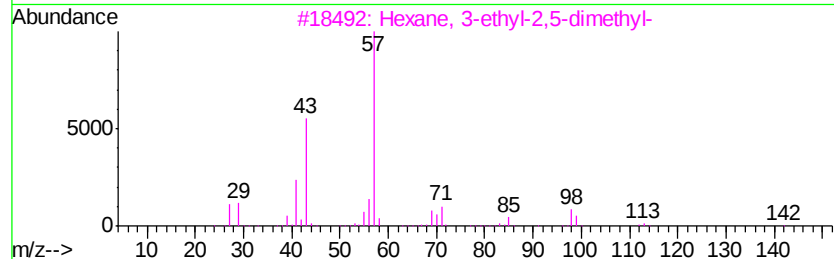
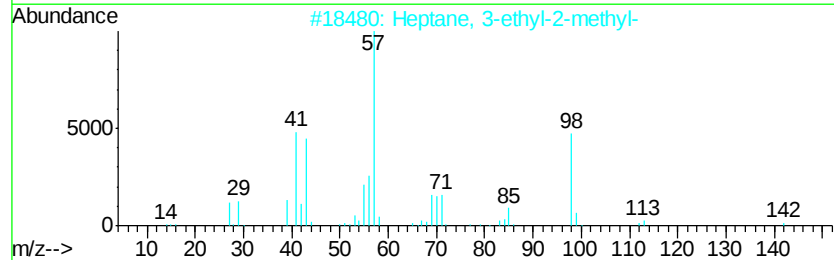
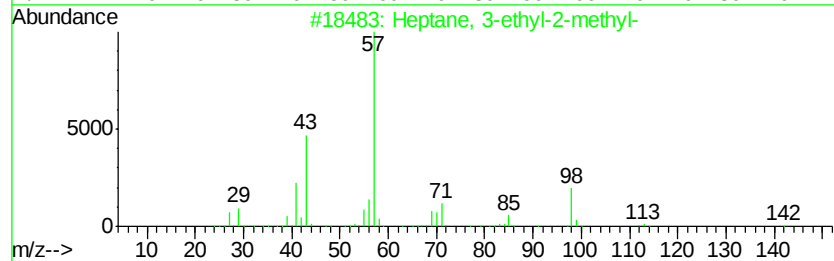
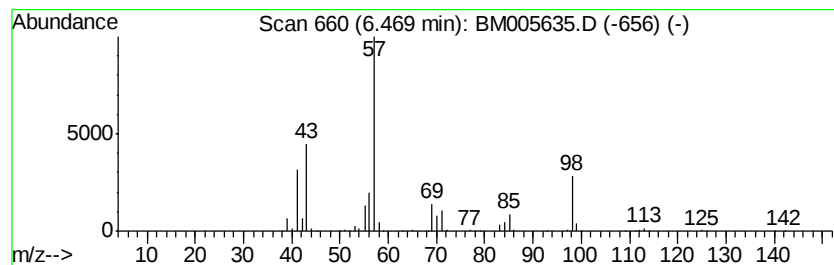
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	22.14 ng/ul	1849800	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
3			Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	62
4			Undecane, 6-methyl-	170	C12H26	017302-33-9	59
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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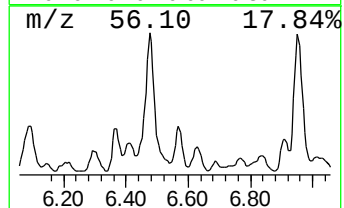
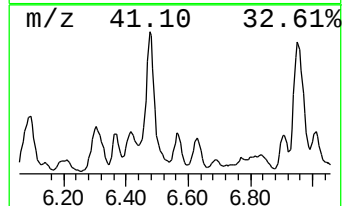
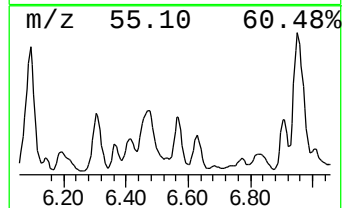
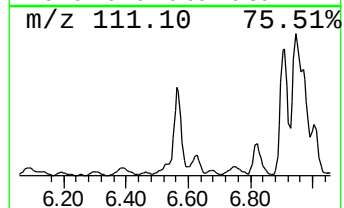
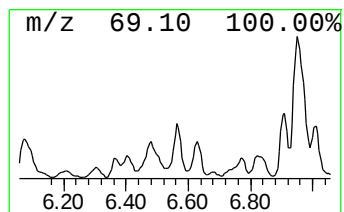
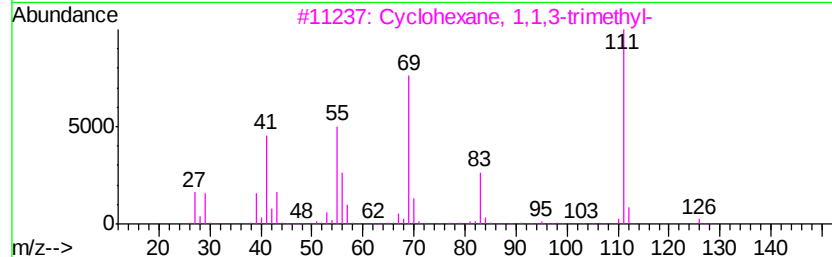
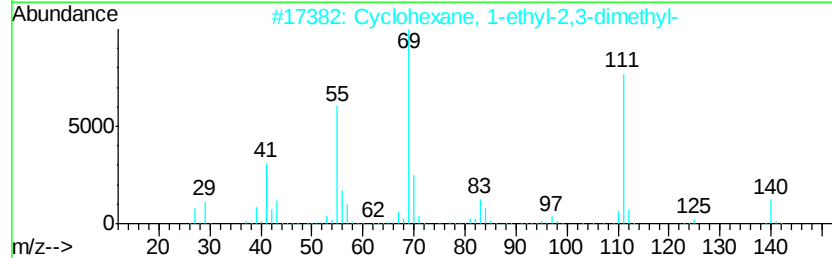
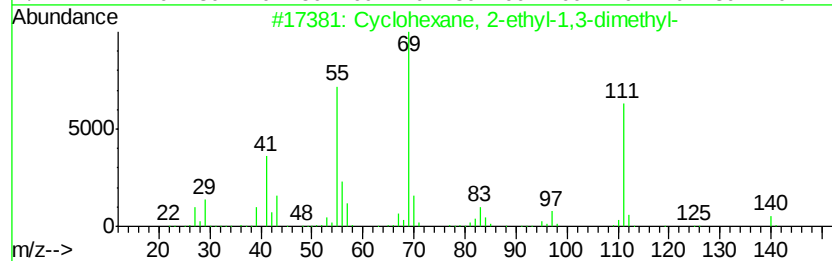
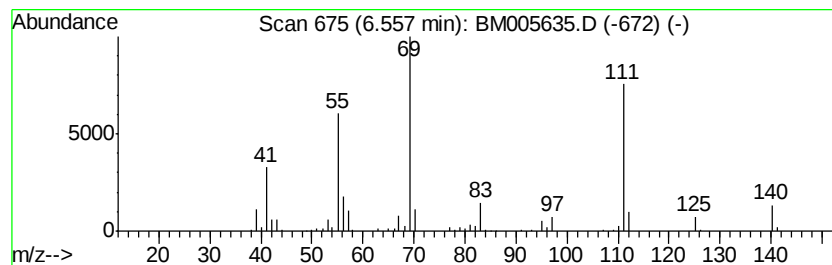
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Cyclic6.56 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	5.65 ng/ul	472421	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	91
2			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
4			Cyclooctane, ethyl-	140	C10H20	013152-02-8	74
5			Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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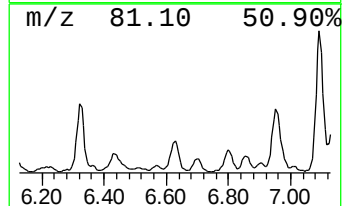
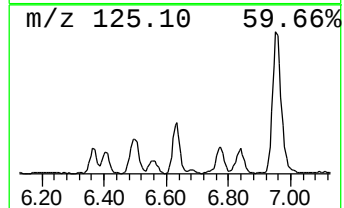
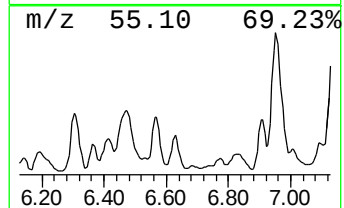
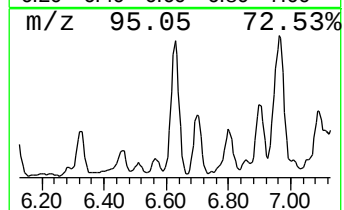
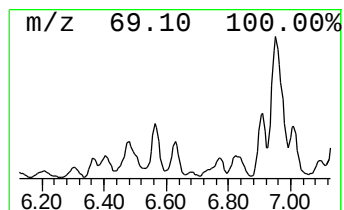
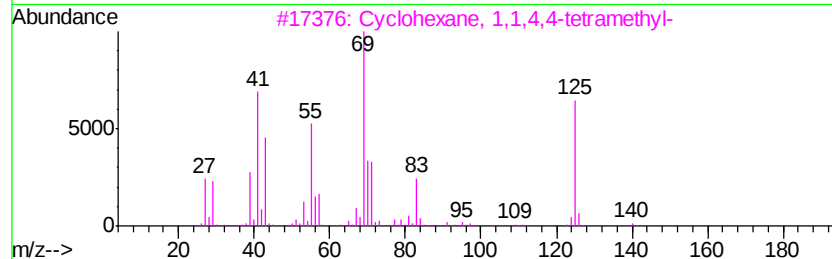
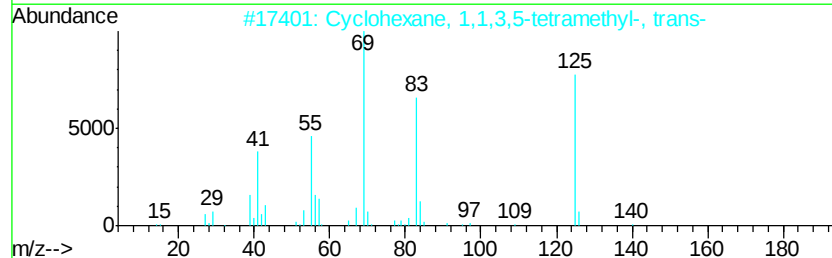
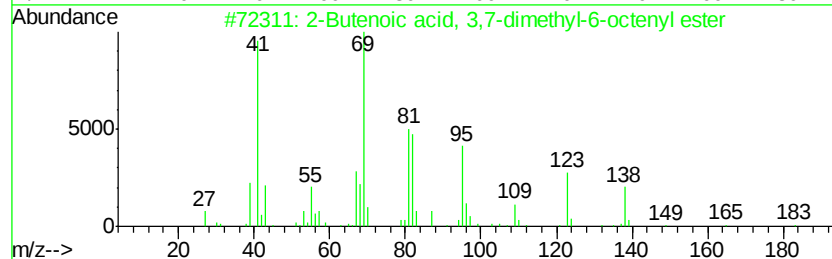
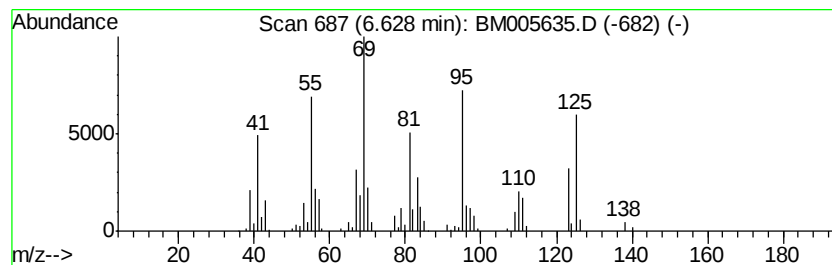
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	7.14 ng/ul	596691	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Butenoic acid, 3,7-dimethyl-6-...	224	C14H24O2	068039-38-3	43
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
3			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
4			6-Octen-1-ol, 3,7-dimethyl-, for...	184	C11H20O2	000105-85-1	38
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
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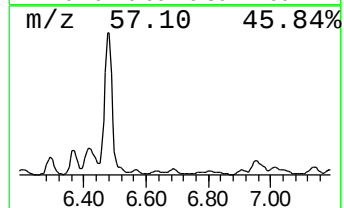
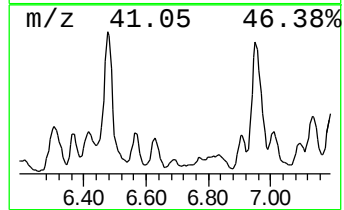
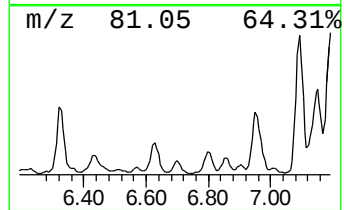
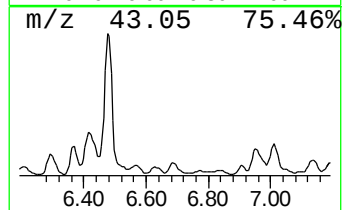
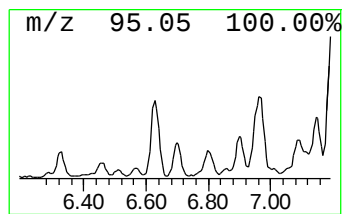
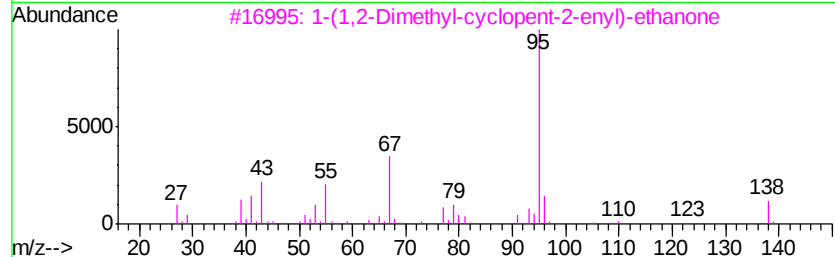
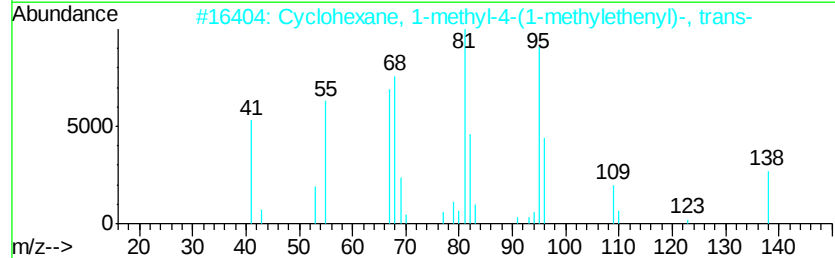
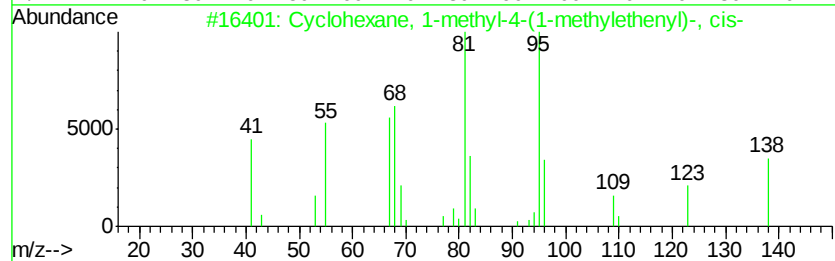
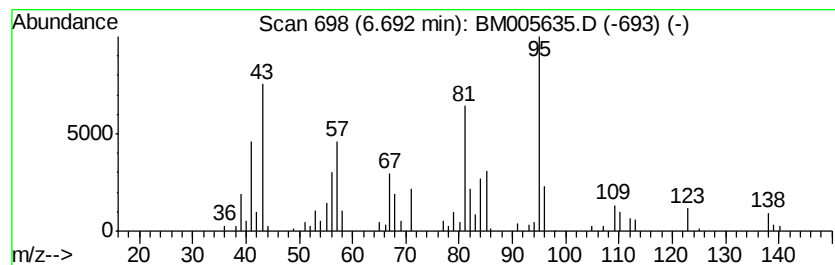
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Branched6.69 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	2.07 ng/ul	172682	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	43
2		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	41
3		1-(1,2-Dimethyl-cyclopent-2-enyl...	138	C9H14O	070987-82-5	38
4		9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	30
5		2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	30



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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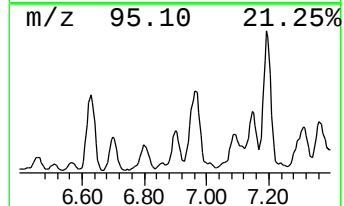
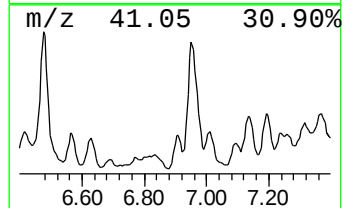
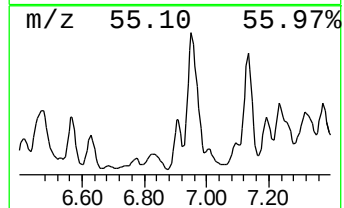
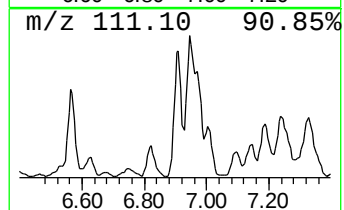
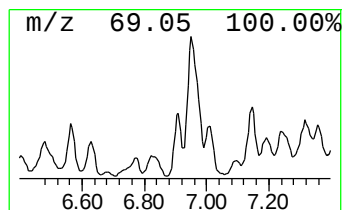
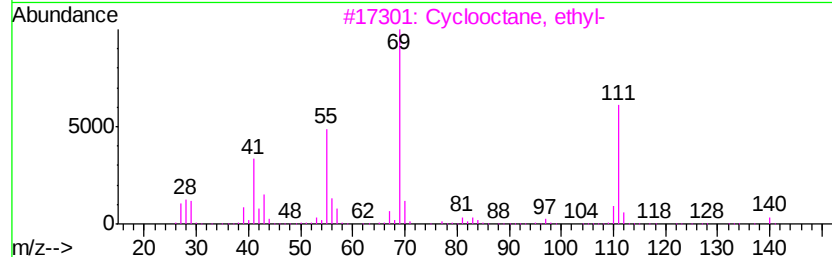
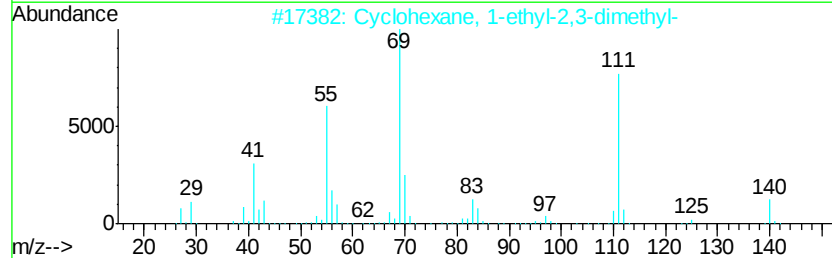
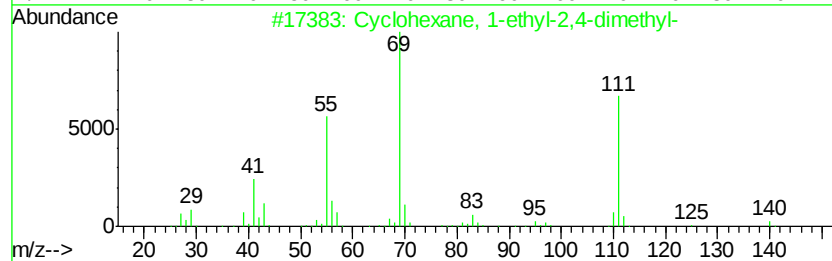
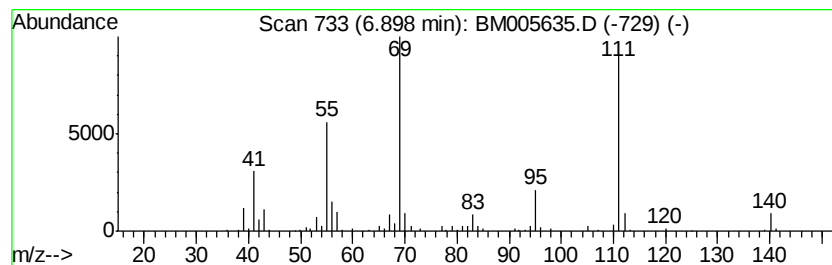
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Cyclic6.90 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	6.83 ng/ul	571009	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	91
2			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
3			Cyclooctane, ethyl-	140	C10H20	013152-02-8	87
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
5			Cyclooctane, ethyl-	140	C10H20	013152-02-8	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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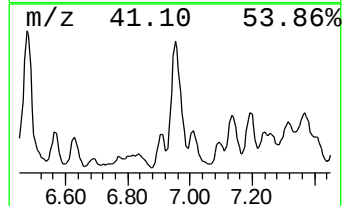
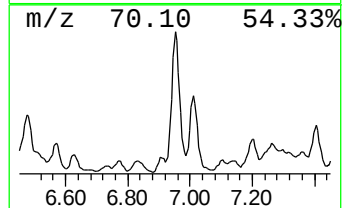
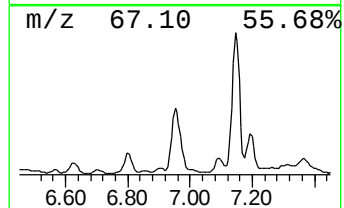
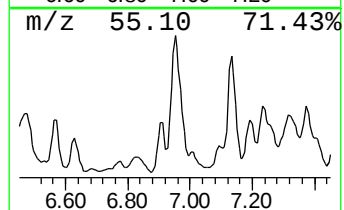
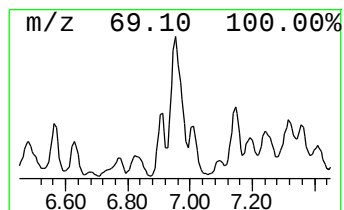
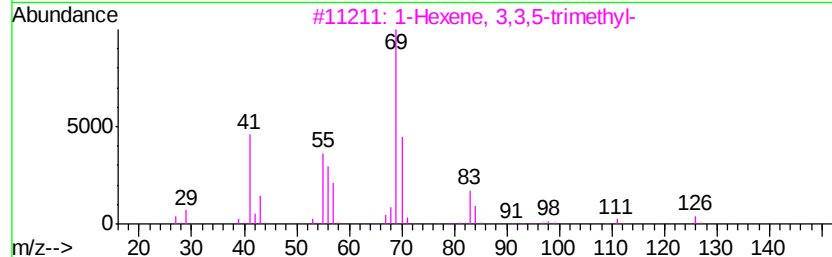
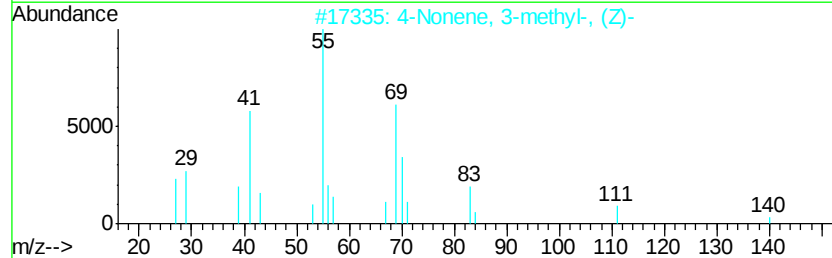
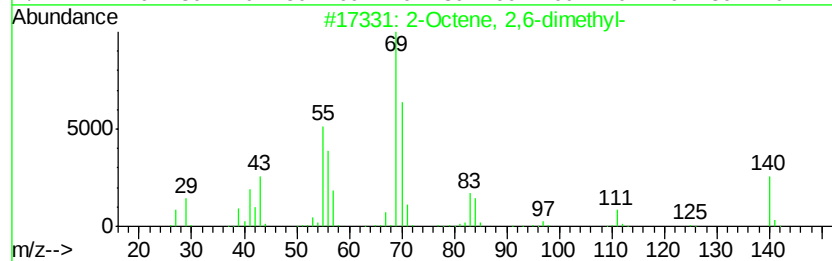
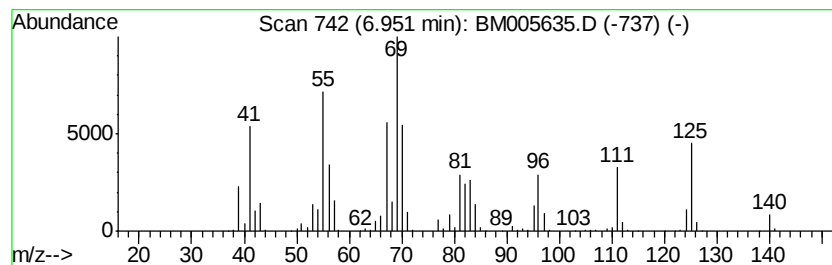
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Cyclic6.95 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	30.81 ng/ul	2574860	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	45
2			4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	43
3			1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	43
4			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	43
5			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	41



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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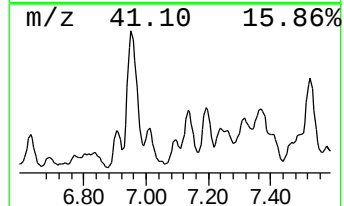
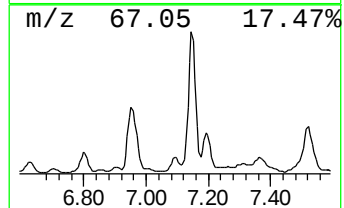
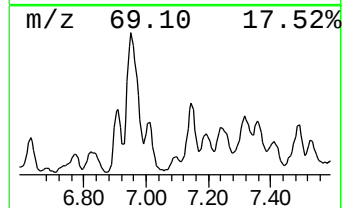
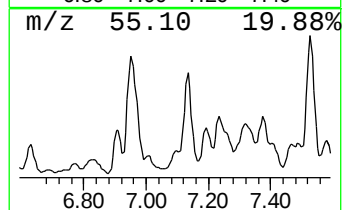
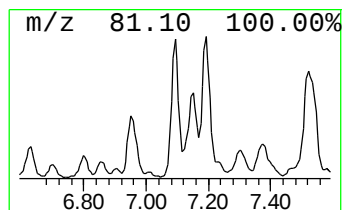
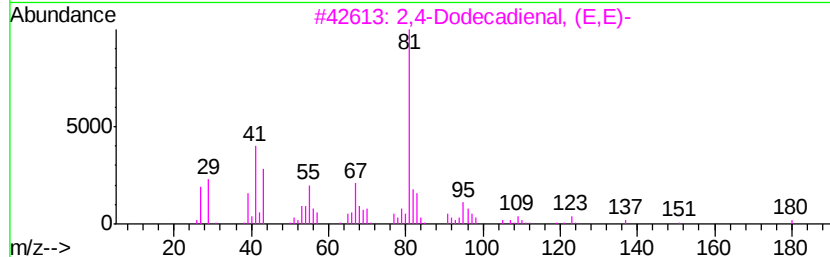
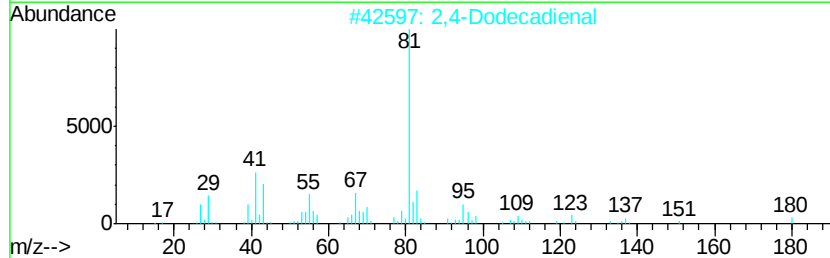
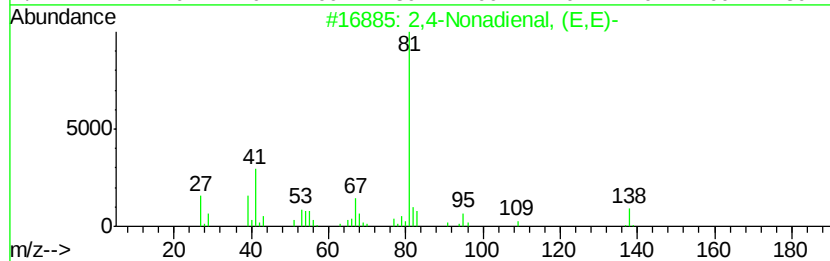
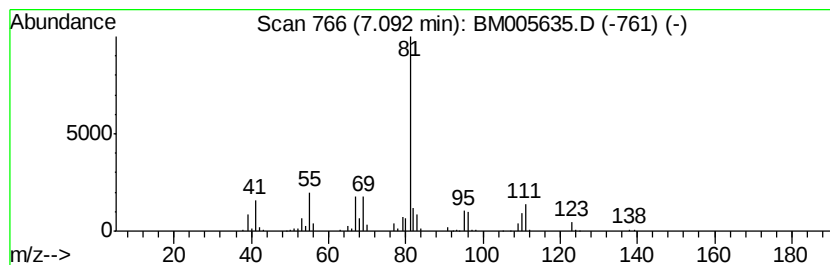
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 2,4-Nonadienal, (E,E)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	6.17 ng/ul	515727	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	53
2			2,4-Dodecadienal	180	C12H20O	013162-47-5	45
3			2,4-Dodecadienal, (E,E)-	180	C12H20O	021662-16-8	45
4			2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	42
5			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	18



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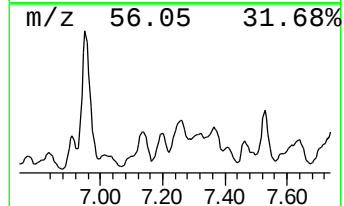
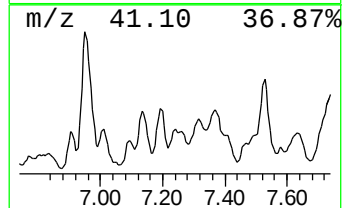
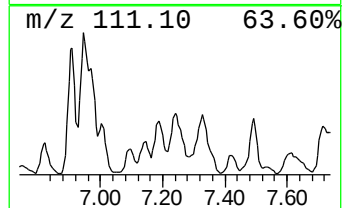
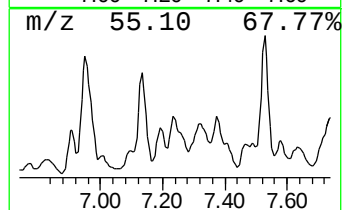
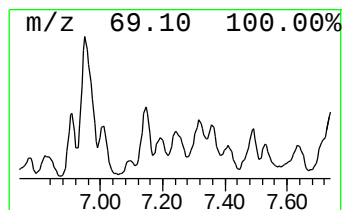
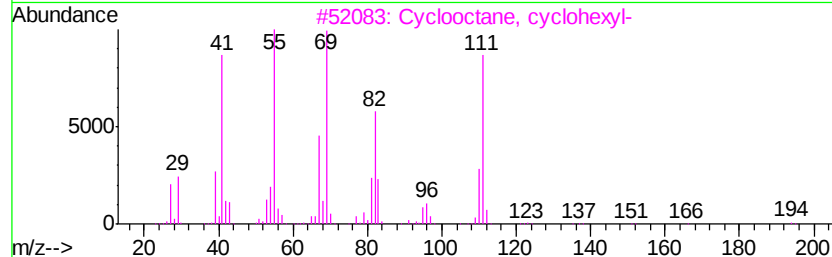
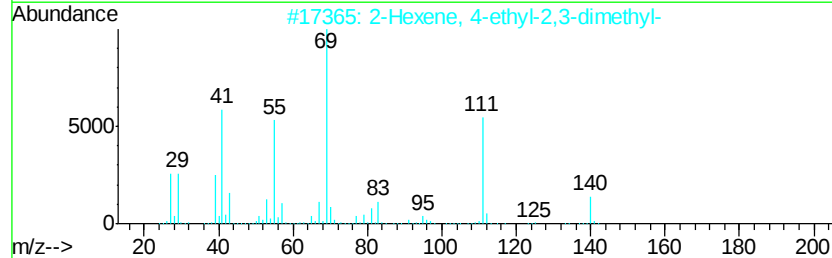
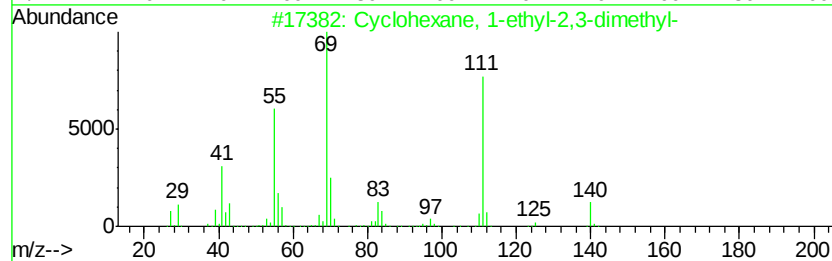
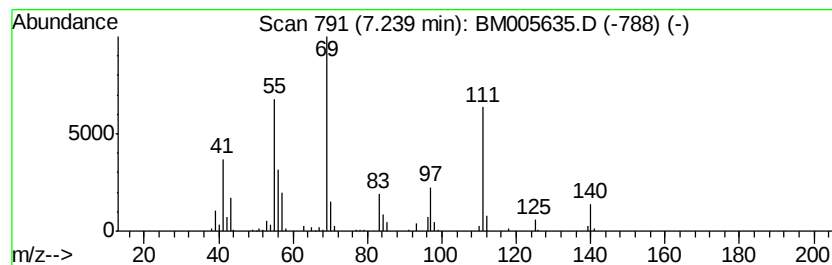
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Cyclic7.24 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	2.33 ng/ul	194465	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	64
2		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	58
3		Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	53
4		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	53
5		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	53



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Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleID :
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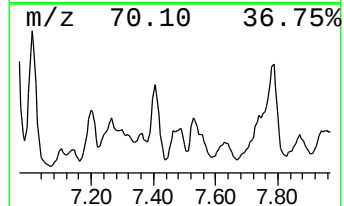
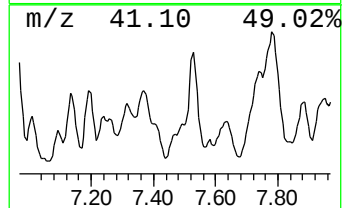
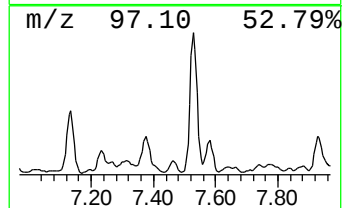
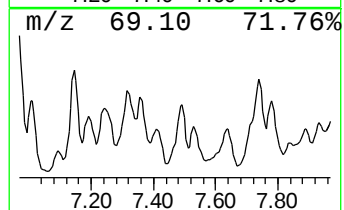
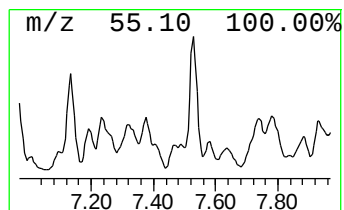
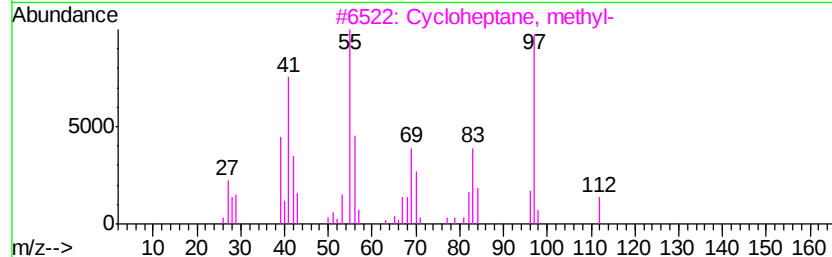
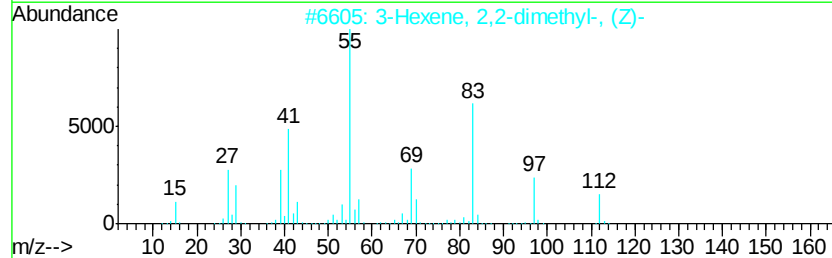
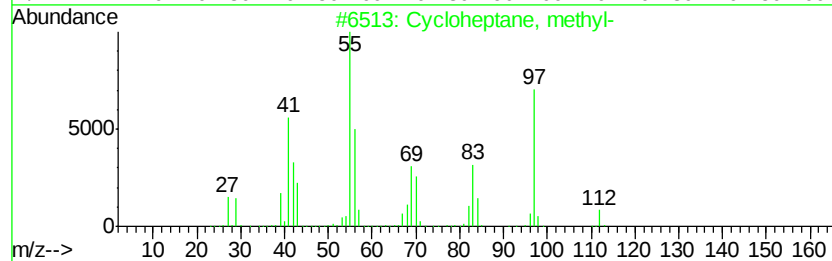
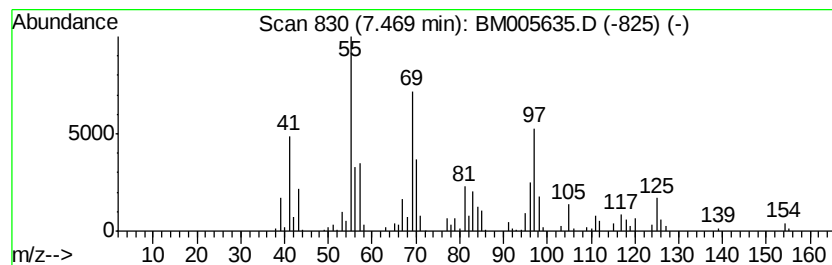
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic7.47 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	3.25 ng/ul	271288	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloheptane, methyl-	112	C8H16	004126-78-7	49
2		3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	46
3		Cycloheptane, methyl-	112	C8H16	004126-78-7	43
4		trans--4-Nonene	126	C9H18	010405-85-3	38
5		2-Undecene, (E)-	154	C11H22	000693-61-8	38



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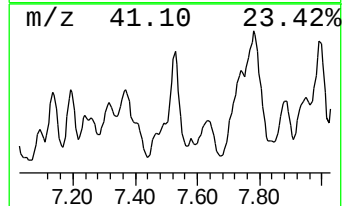
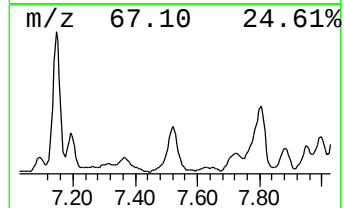
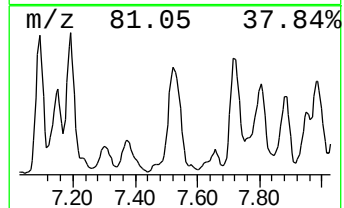
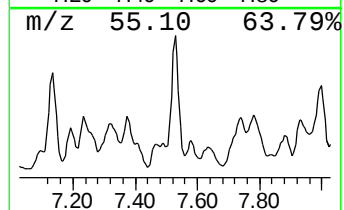
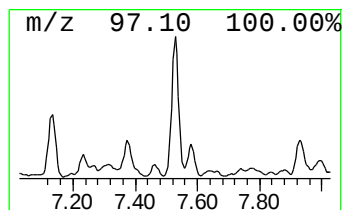
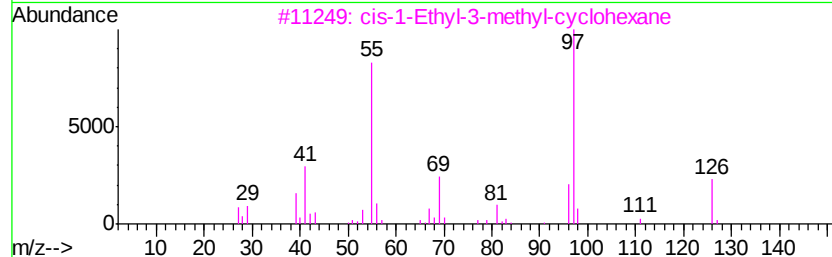
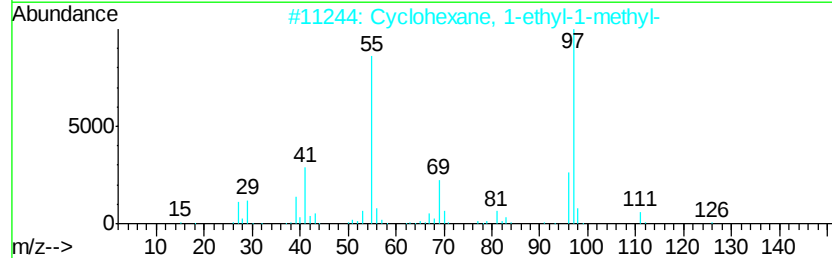
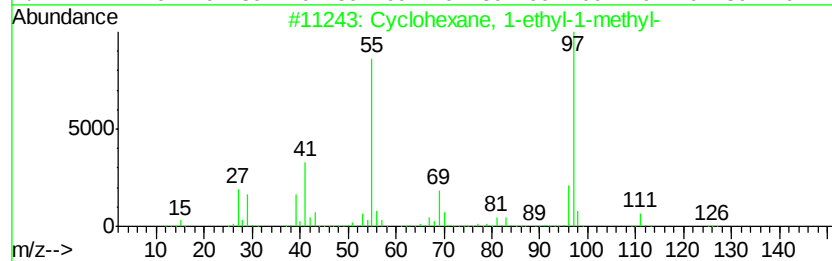
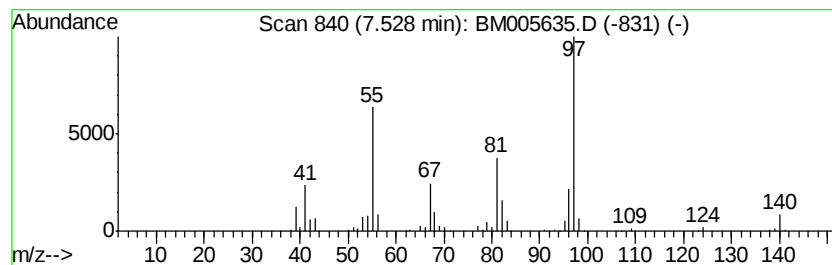
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Cyclic7.53 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	22.24 ng/ul	1858130	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
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		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Misc :
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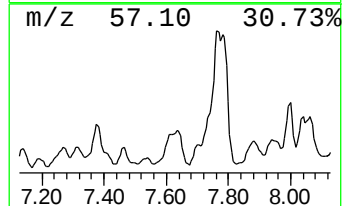
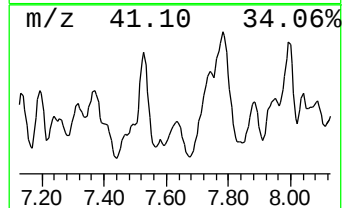
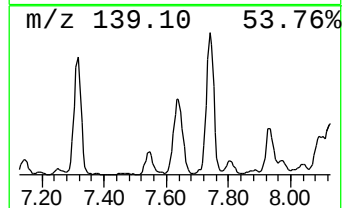
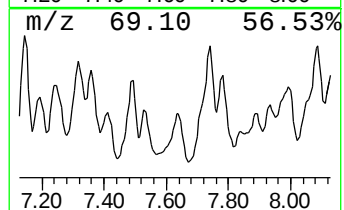
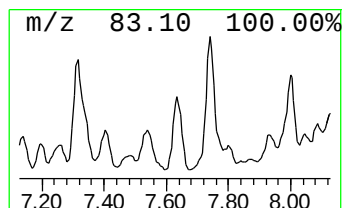
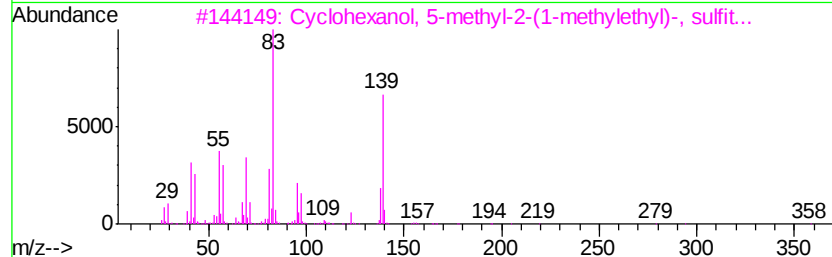
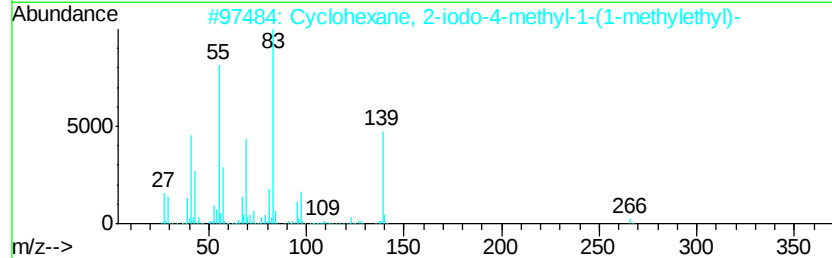
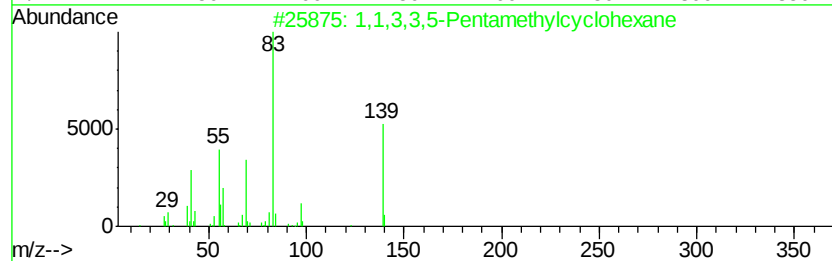
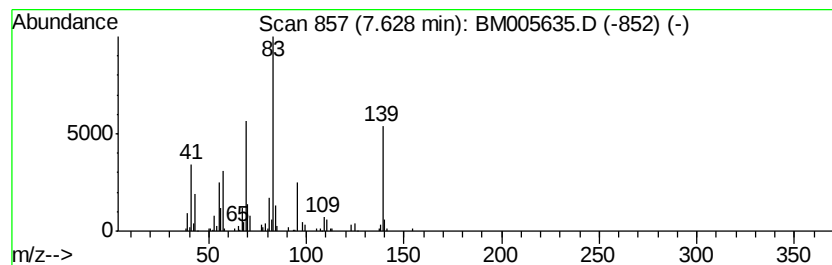
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Cyclic7.63 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	7.84 ng/ul	655482	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	64		
2	Cyclohexane, 2-iodo-4-methyl-1-(...	266	C10H19I	064240-81-9	56		
3	Cyclohexanol, 5-methyl-2-(1-meth...	358	C20H38O3S	026510-92-9	50		
4	Oxalic acid, di-(-)-menthyl ester	366	C22H38O4	1000158-45-3	50		
5	1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	47		



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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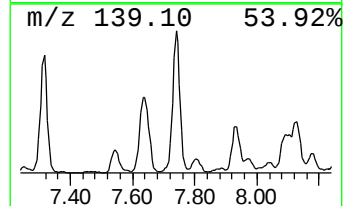
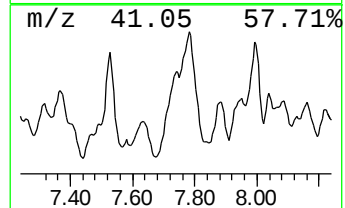
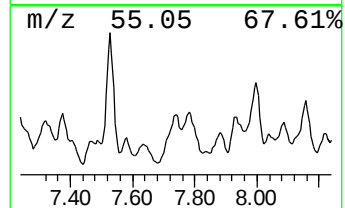
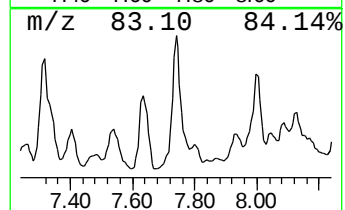
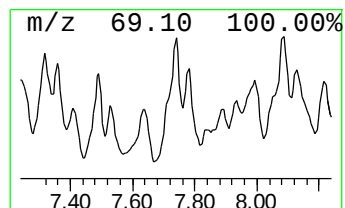
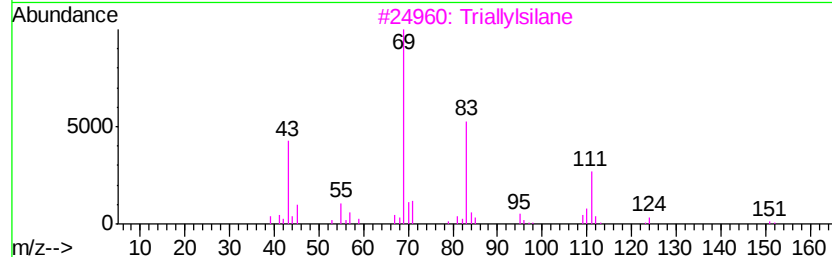
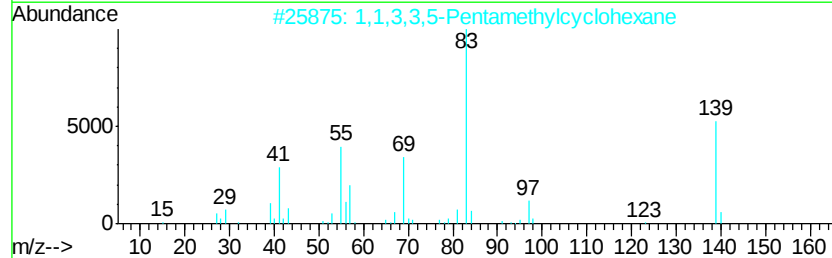
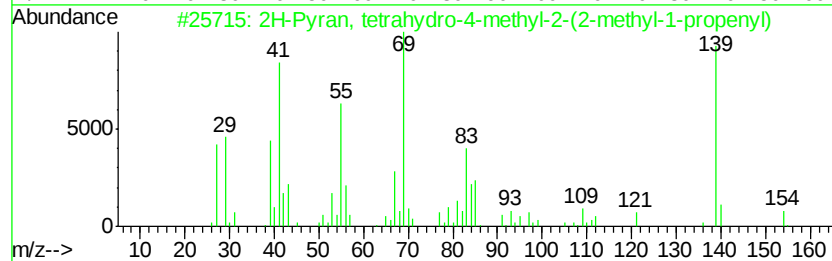
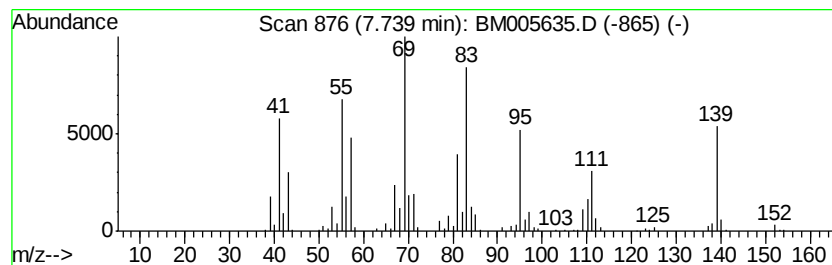
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	20.58 ng/ul	1720030	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	46
2		1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	27
3		Triallylsilane	152	C9H16Si	001116-62-7	27
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	25
5		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	22



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ALS Vial : 21 Sample Multiplier: 1

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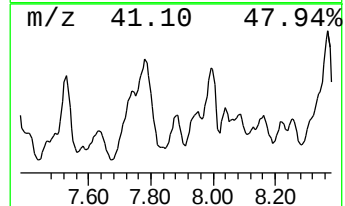
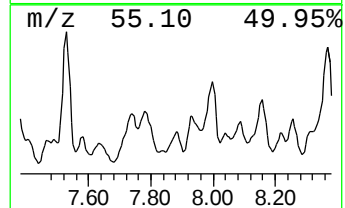
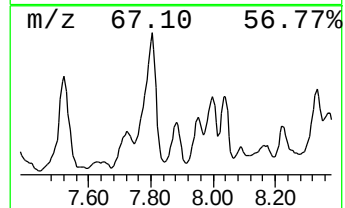
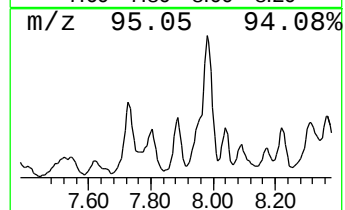
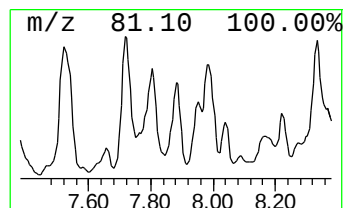
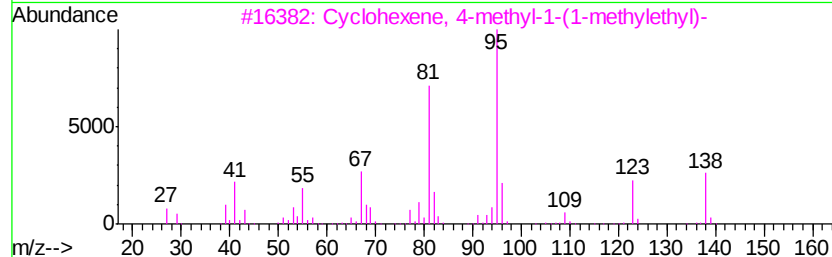
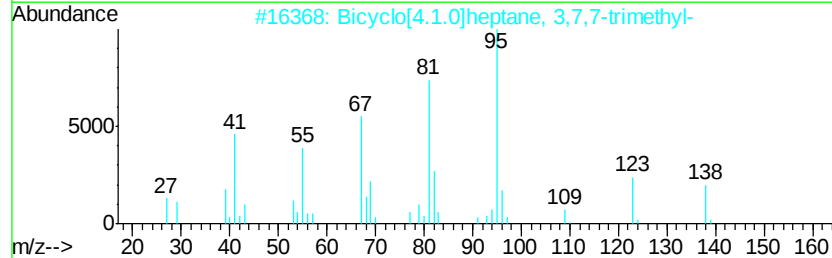
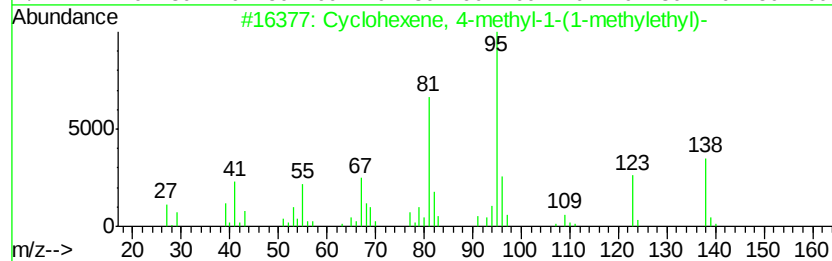
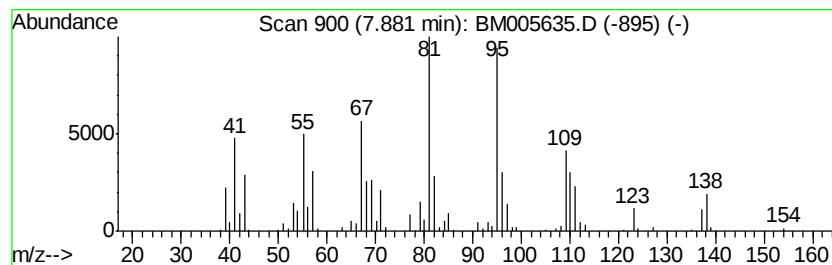
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Branched7.88 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	7.56 ng/ul	631871	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-methyl-1-(1-methyl-1-ethylethyl)-	138	C10H18	000500-00-5	76
2		Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-	138	C10H18	000554-59-6	62
3		Cyclohexene, 4-methyl-1-(1-methyl-1-ethylethyl)-	138	C10H18	000500-00-5	58
4		Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-	138	C10H18	018968-23-5	58
5		Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGF9RE

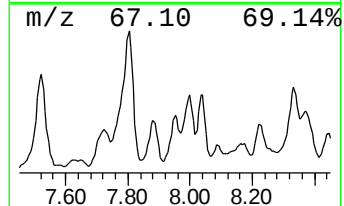
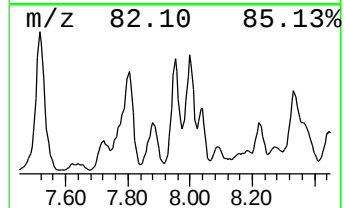
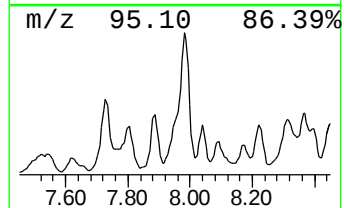
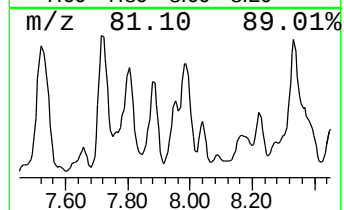
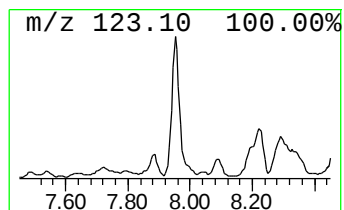
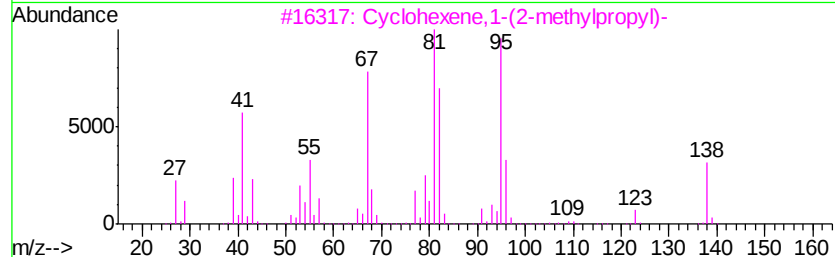
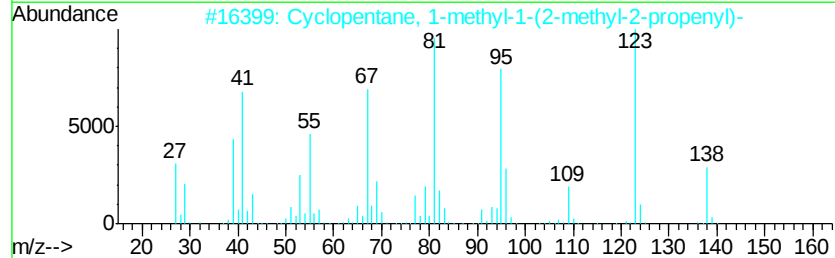
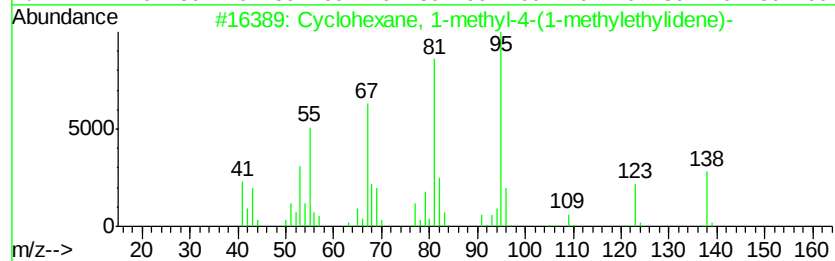
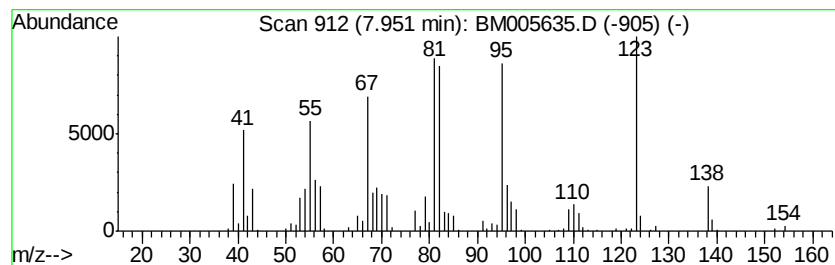
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 (DEL) Alkane: Branched7.95 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	10.60 ng/ul	885427	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	78
2		Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	76
3		Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	58
4		3-Menthene	138	C10H18	1000118-83-1	53
5		Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

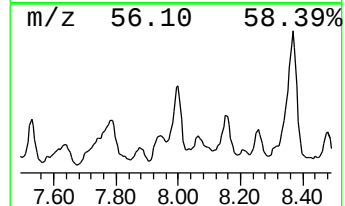
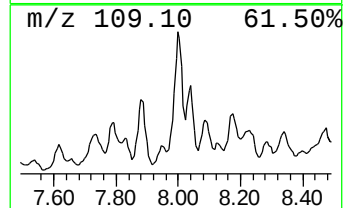
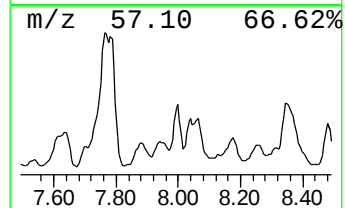
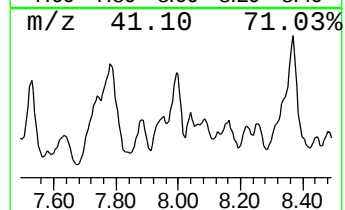
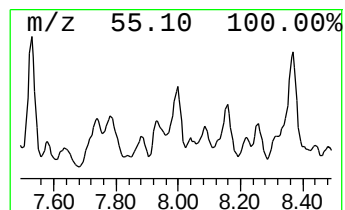
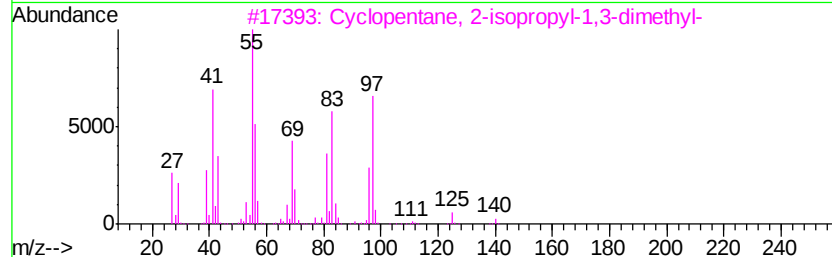
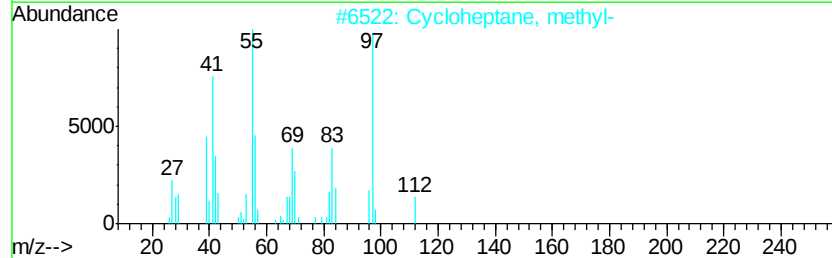
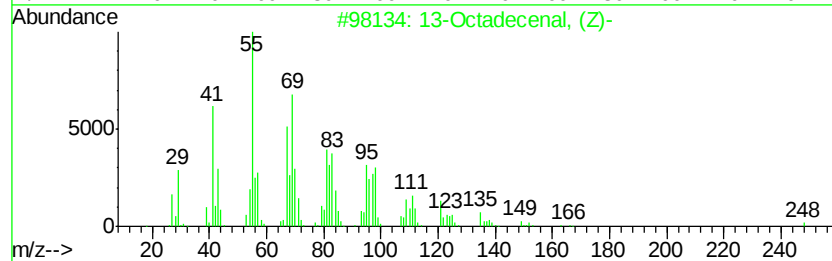
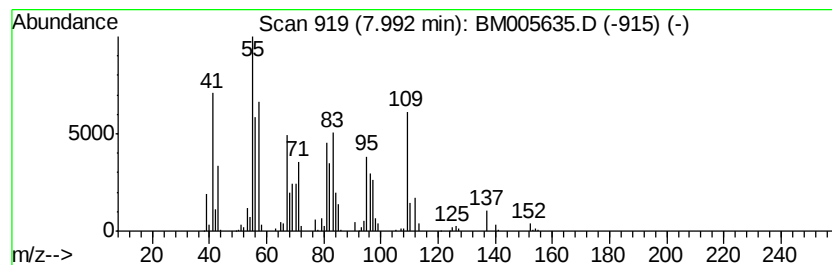
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 13-Octadecenal, (Z)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	13.26 ng/ul	1107800	1,4-Dichlorobenzene-d4	7.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		13-Octadecenal, (Z)-	266 C18H34O	058594-45-9 59
2		Cycloheptane, methyl-	112 C8H16	004126-78-7 30
3		Cyclopentane, 2-isopropyl-1,3-di...	140 C10H20	032281-85-9 30
4		(-)-trans-Pinane	138 C10H18	033626-25-4 27
5		Bicyclo[3.1.1]hept-3-en-2-ol, 4,...	152 C10H16O	000473-67-6 22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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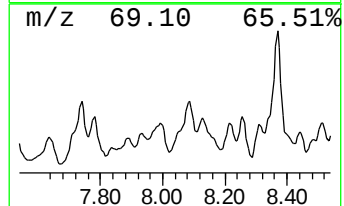
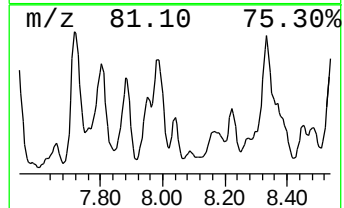
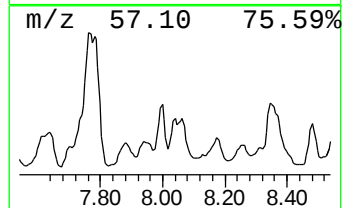
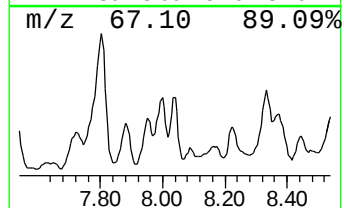
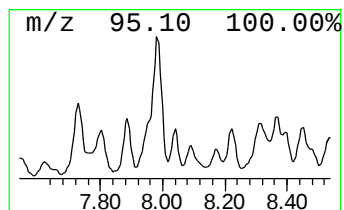
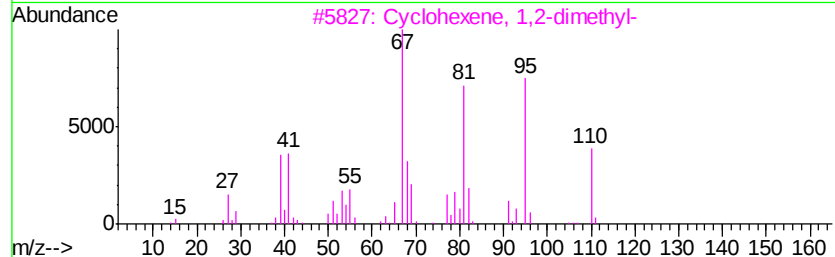
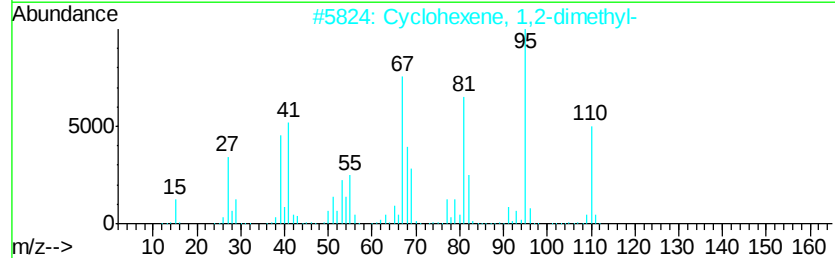
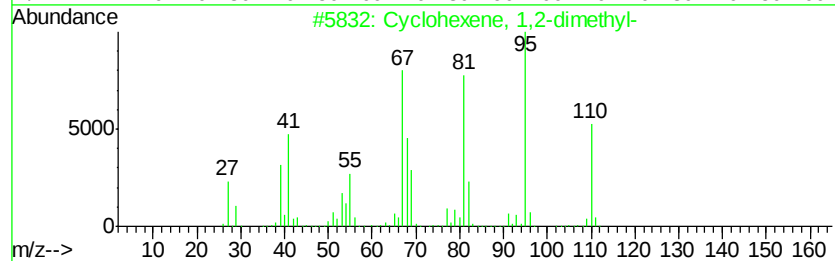
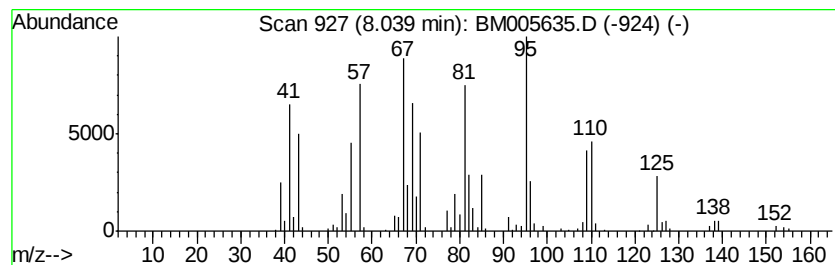
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 (DEL) Alkane: Branched8.04 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	4.26 ng/ul	356239	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	64
2			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	62
3			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	58
4			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	49
5			4-Decyne	138	C10H18	002384-86-3	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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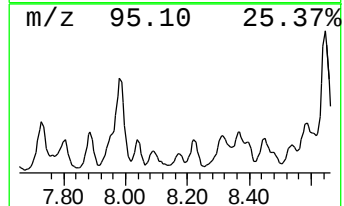
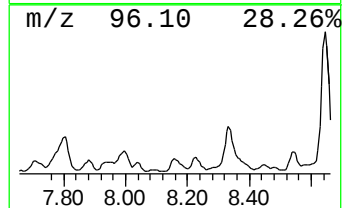
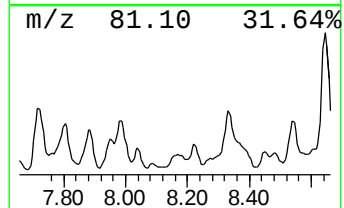
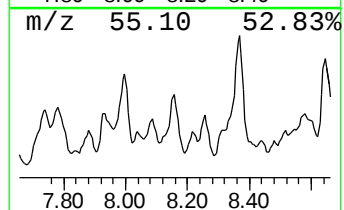
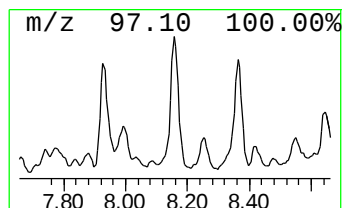
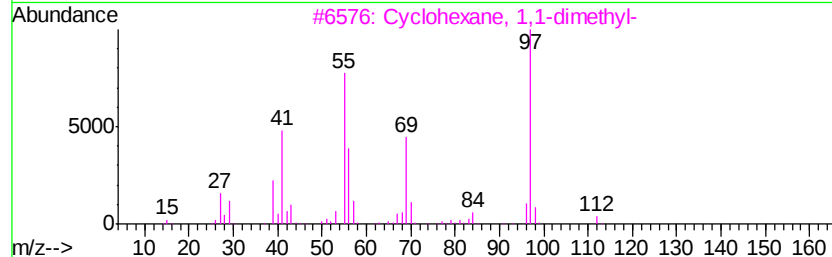
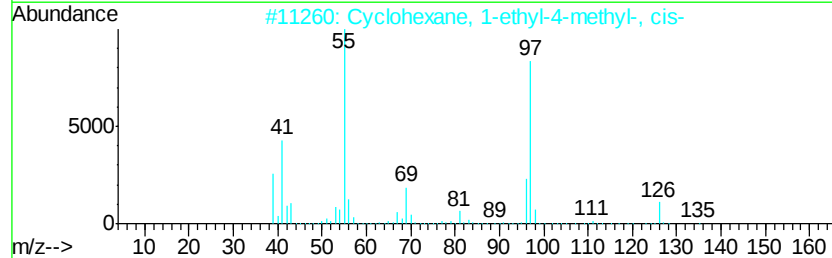
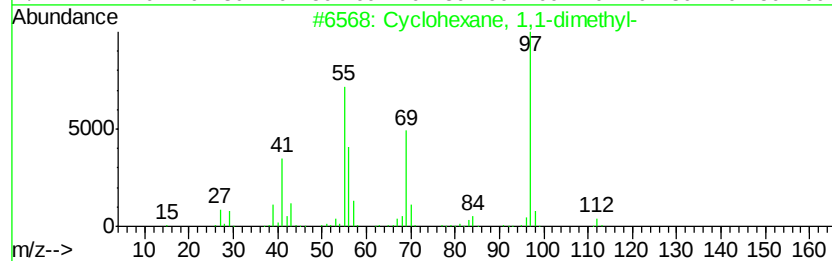
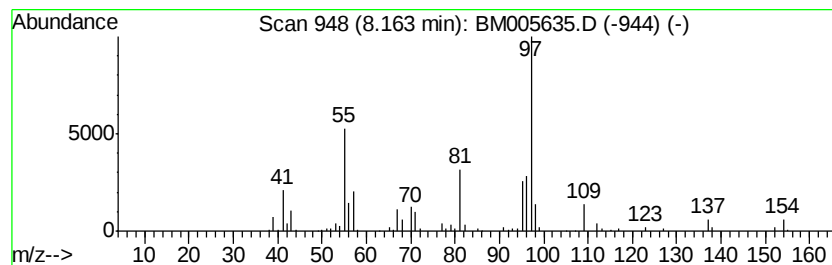
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 (DEL) Alkane: Cyclic8.16 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	5.04 ng/ul	421413	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
5			Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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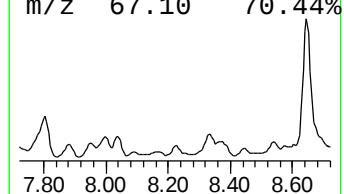
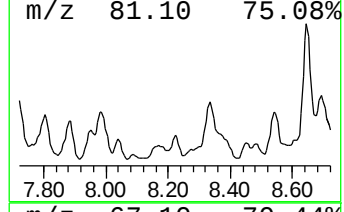
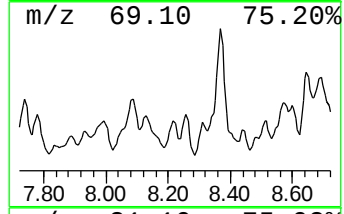
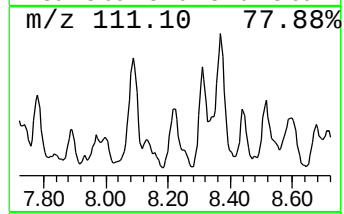
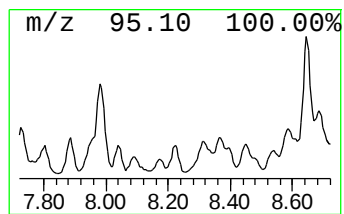
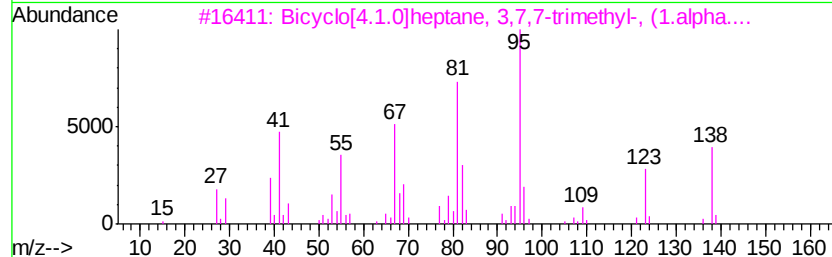
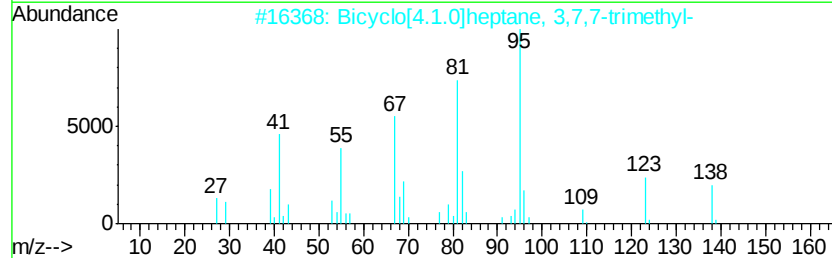
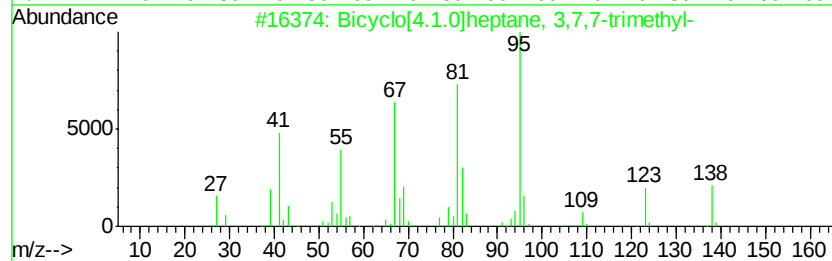
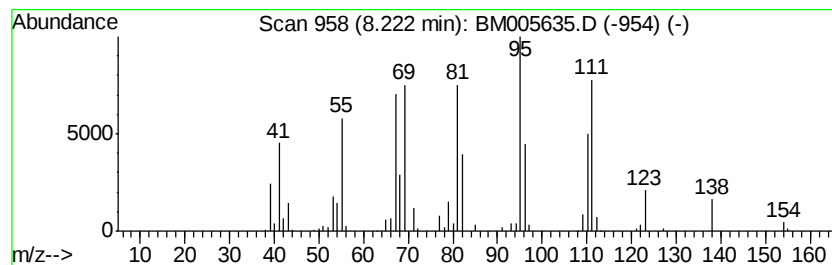
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 (DEL) Alkane: Branched8.22 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	3.89 ng/ul	325166	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	55
2		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	55
3		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	49
4		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	46
5		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	45



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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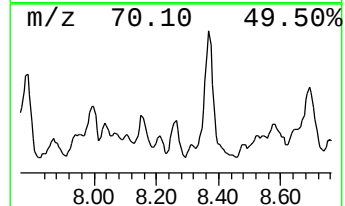
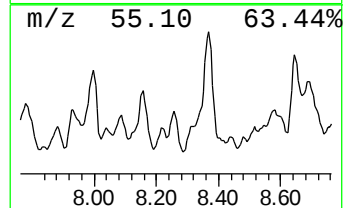
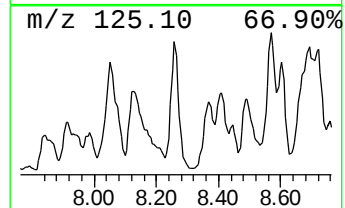
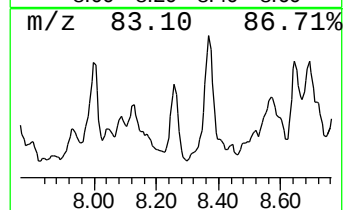
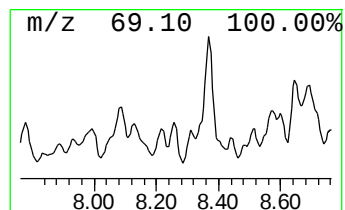
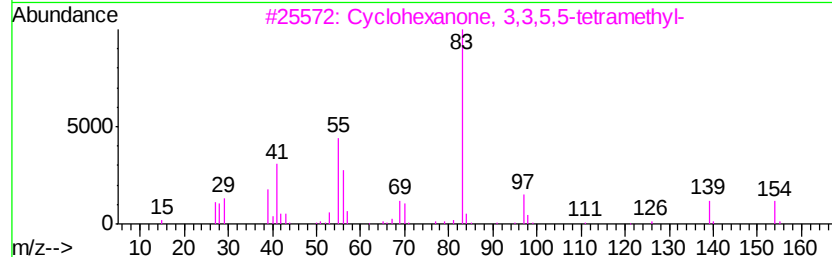
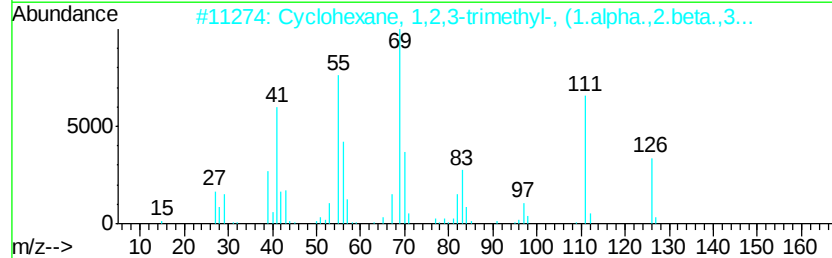
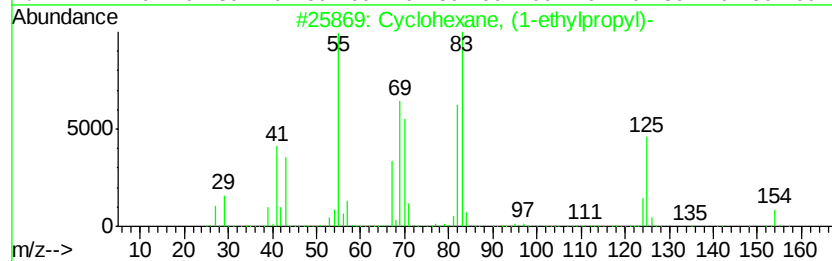
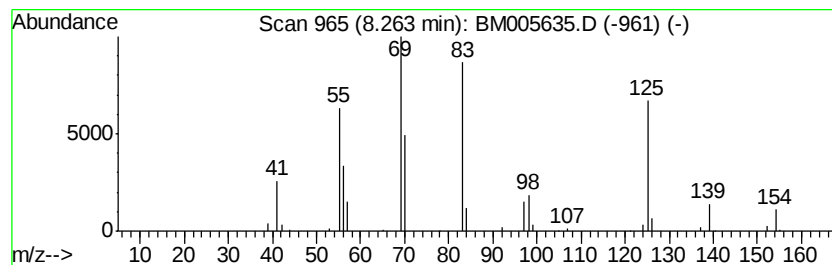
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 (DEL) Alkane: Cyclic8.26 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	3.47 ng/ul	289889	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	46
2		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	43
3		Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	43
4		Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	38
5		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

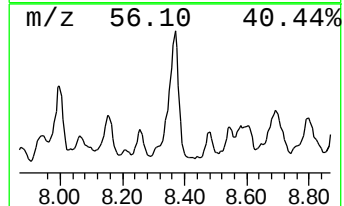
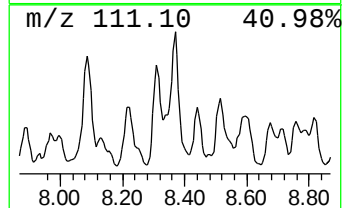
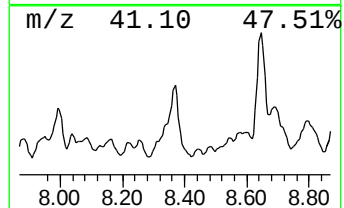
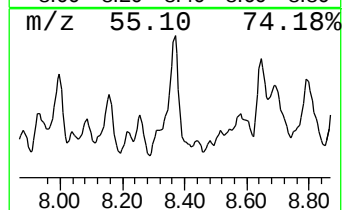
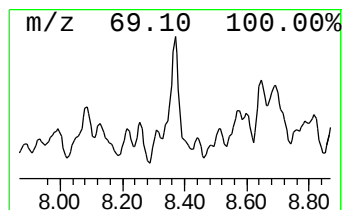
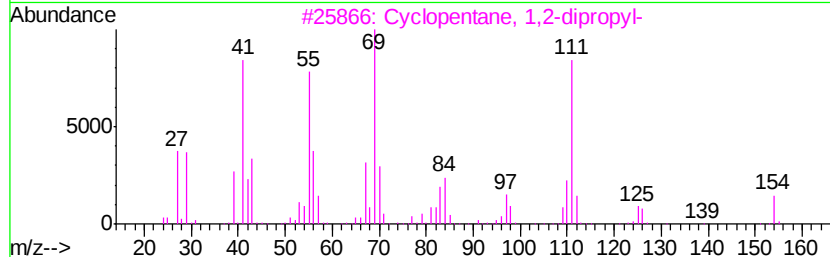
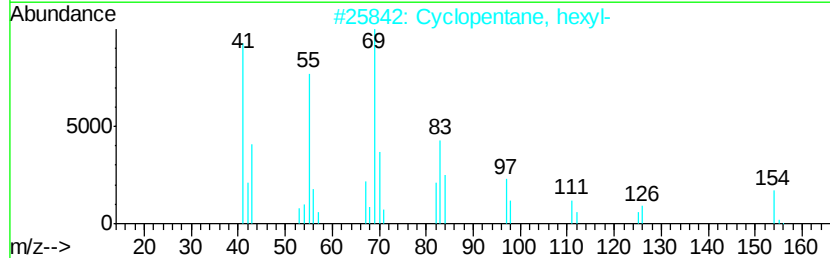
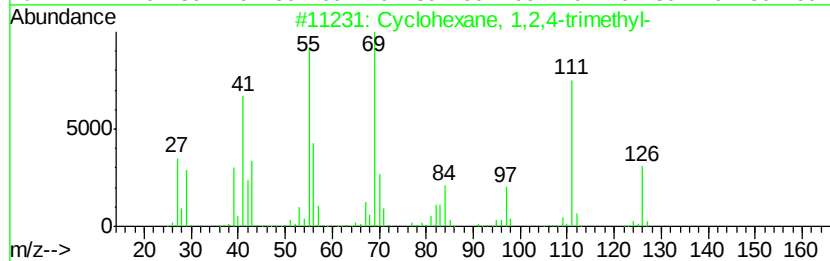
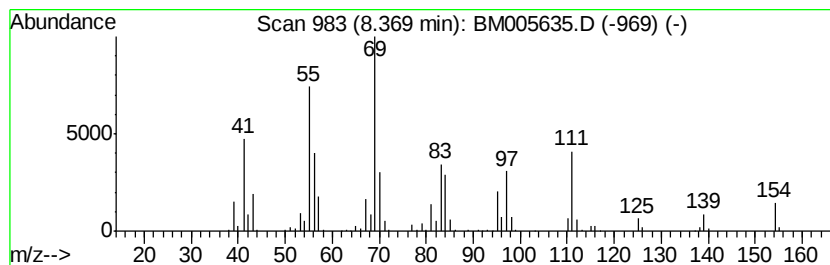
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Cyclic8.37 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.37	36.74 ng/ul	3070060	1,4-Dichlorobenzene-d4	7.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
2	Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
3	Cyclopentane, 1,2-dipropyl-	154	C11H22	091242-57-8	52
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	46
5	5-Undecene	154	C11H22	004941-53-1	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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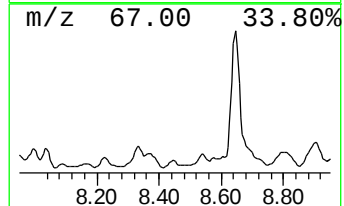
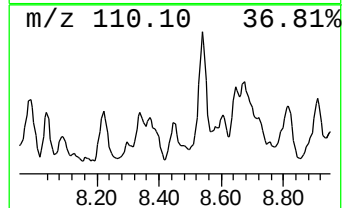
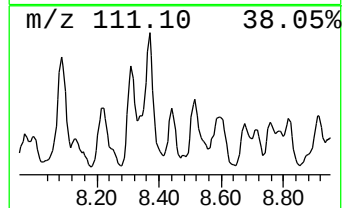
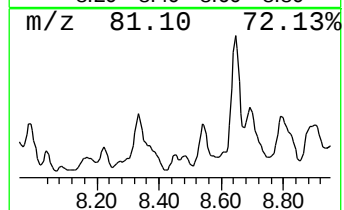
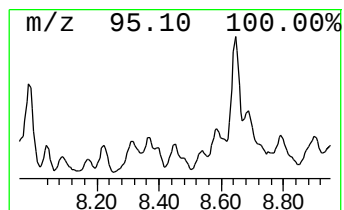
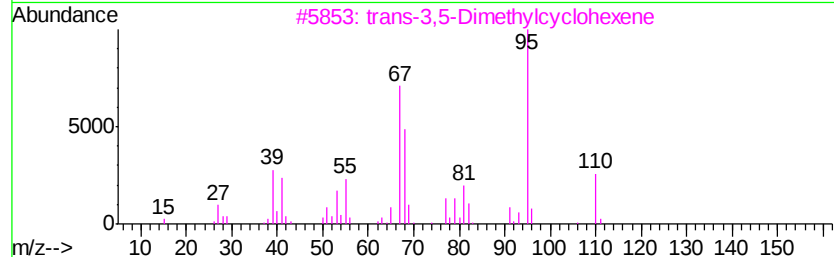
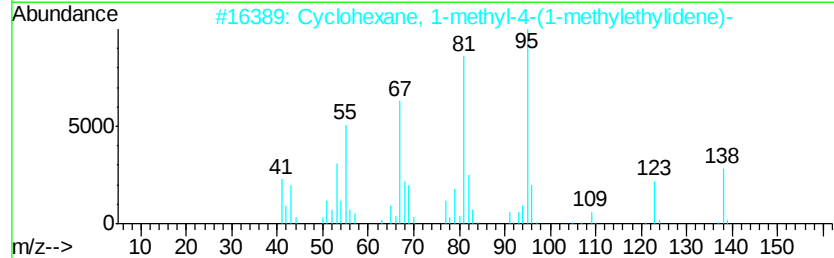
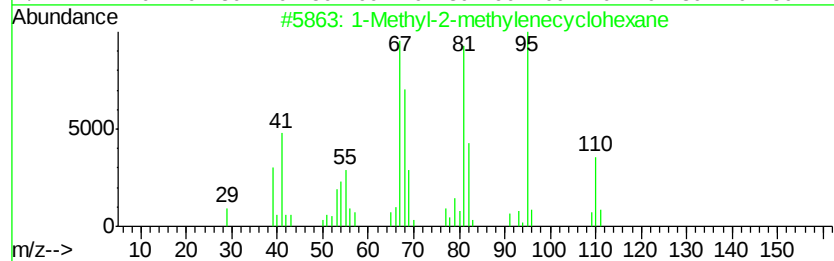
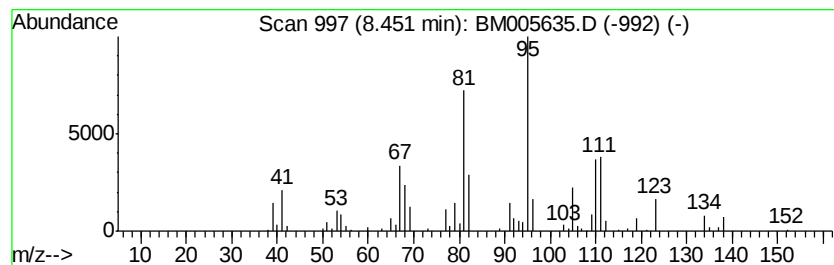
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 (DEL) Alkane: Branched8.45 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	2.97 ng/ul	248224	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	62
2		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	60
3		trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	52
4		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	52
5		4,4-Dimethyl-2-cyclopenten-1-one	110	C7H10O	022748-16-9	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

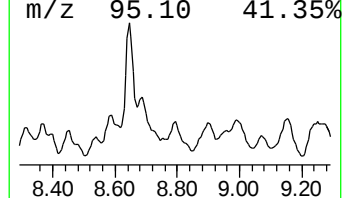
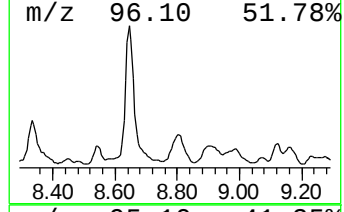
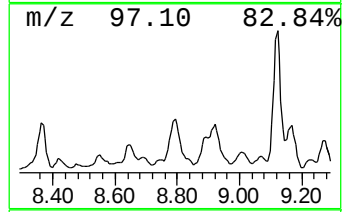
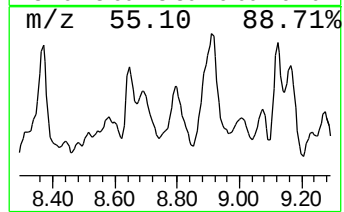
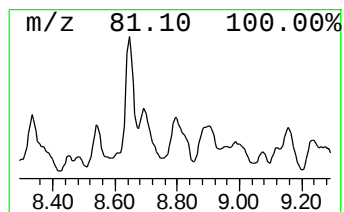
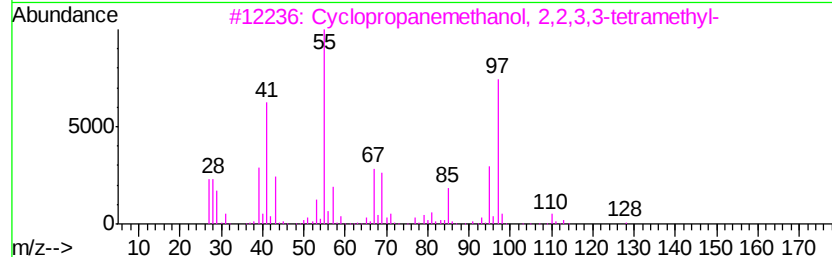
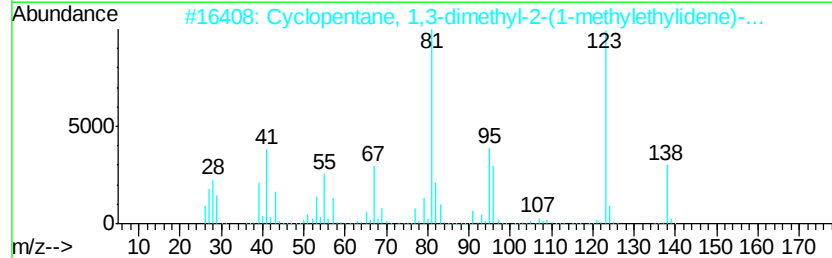
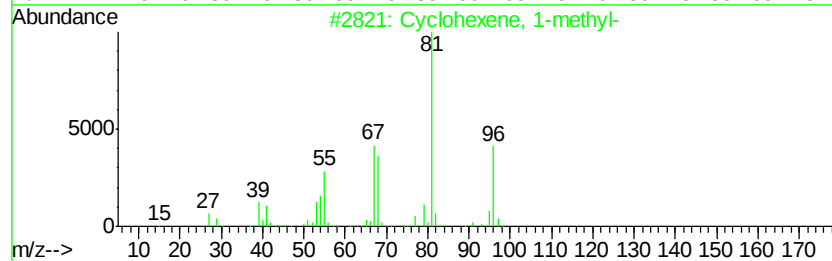
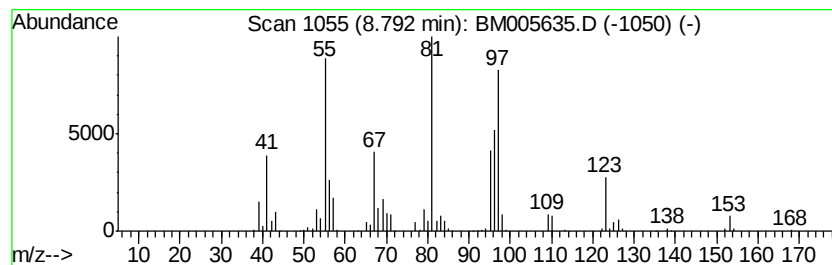
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 (DEL) Alkane: Branched8.79 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.79	19.05 ng/ul	1591960	1,4-Dichlorobenzene-d4	7.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
2		Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	38
3		Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	38
4		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	35
5		Pentane, 1-chloro-5-(methylenecy...	158	C9H15Cl	1000158-49-0	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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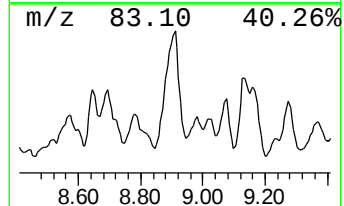
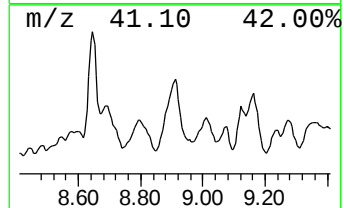
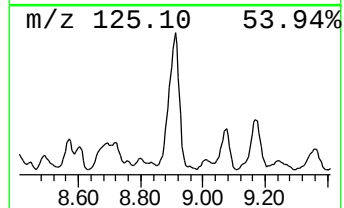
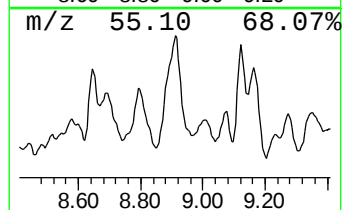
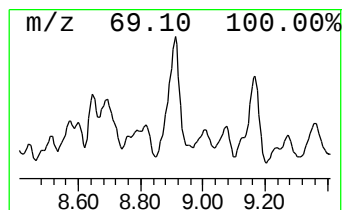
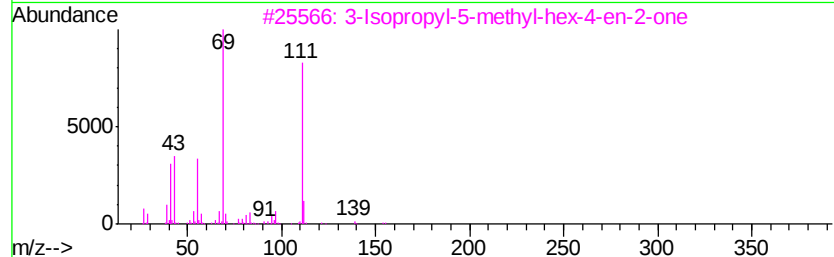
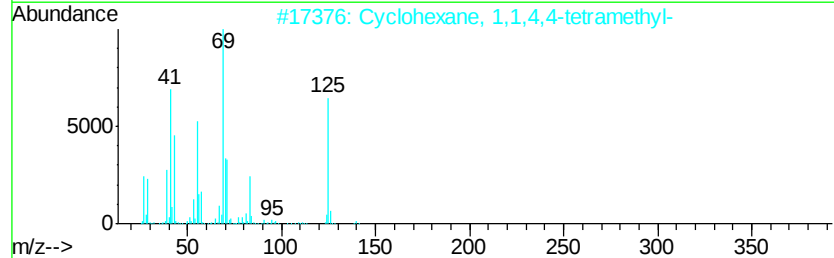
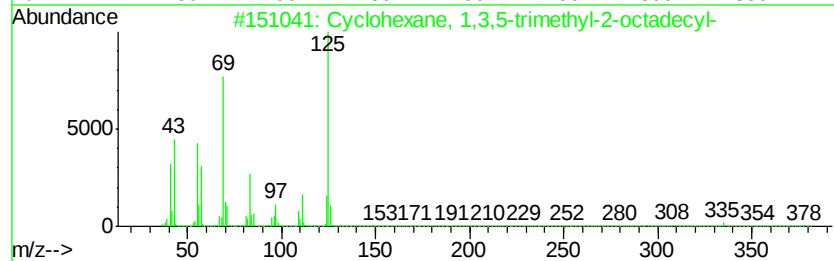
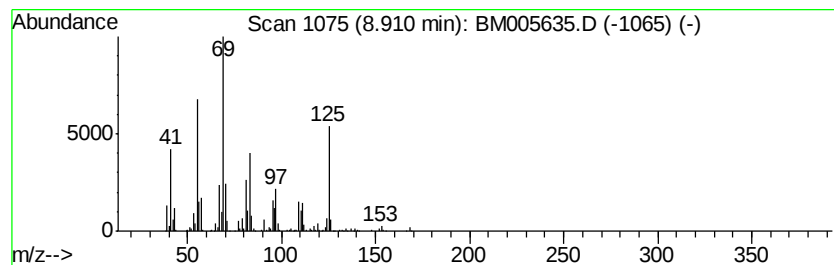
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 (DEL) Alkane: Cyclic8.91 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	40.65 ng/ul	3397000	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	53
2		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	47
3		3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	30
4		Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	30
5		Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	27



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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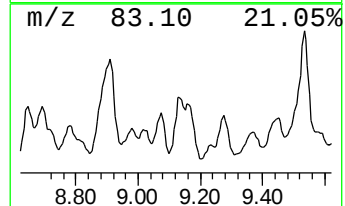
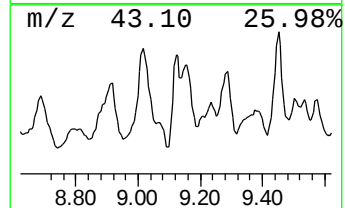
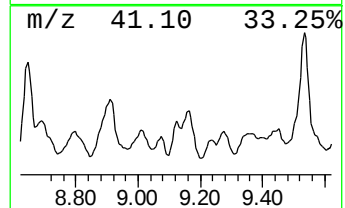
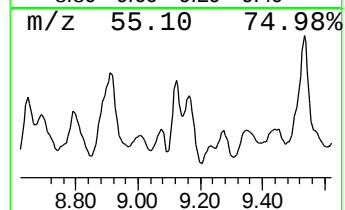
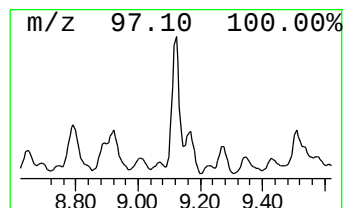
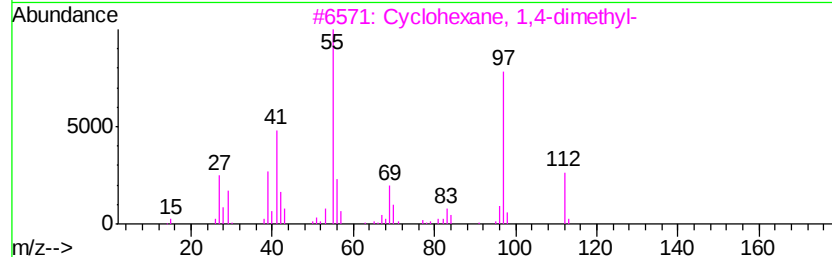
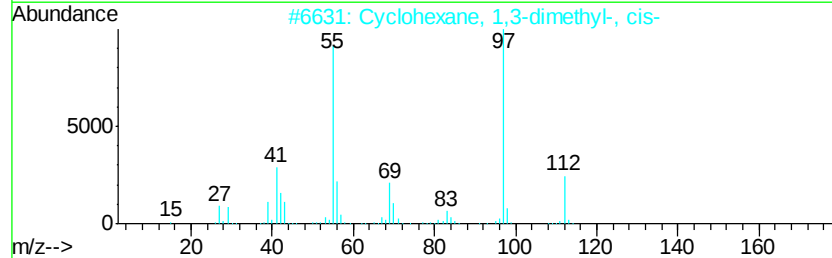
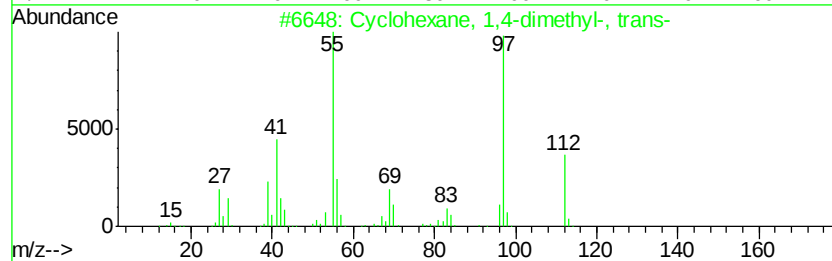
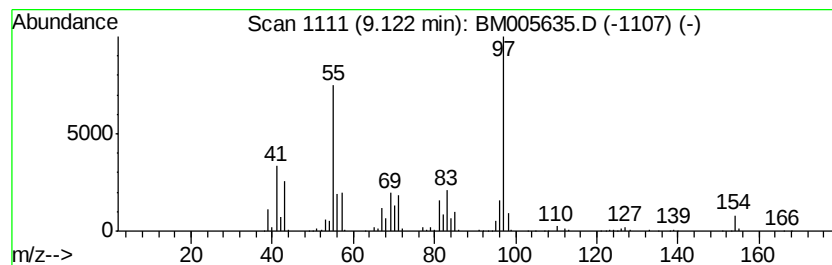
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 (DEL) Alkane: Cyclic9.12 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	11.68 ng/ul	976074	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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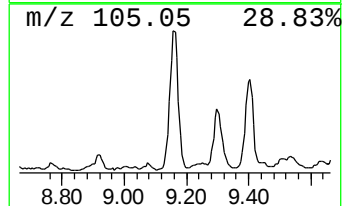
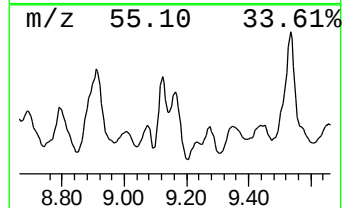
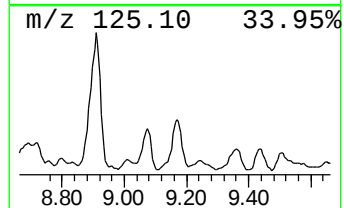
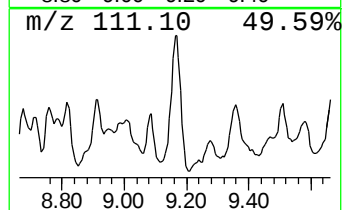
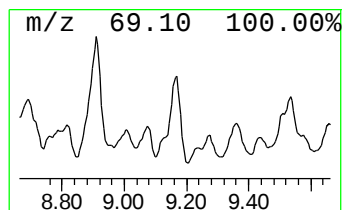
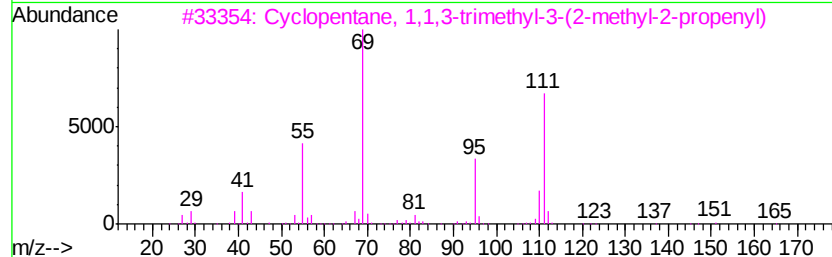
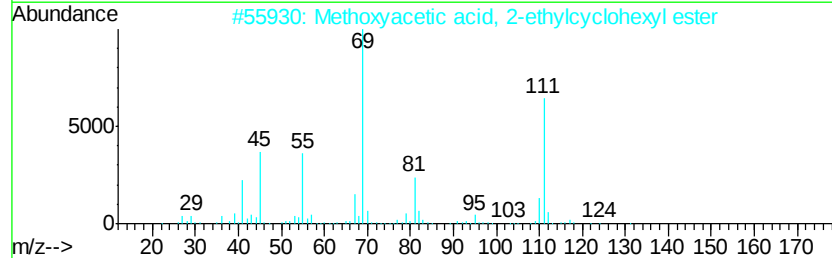
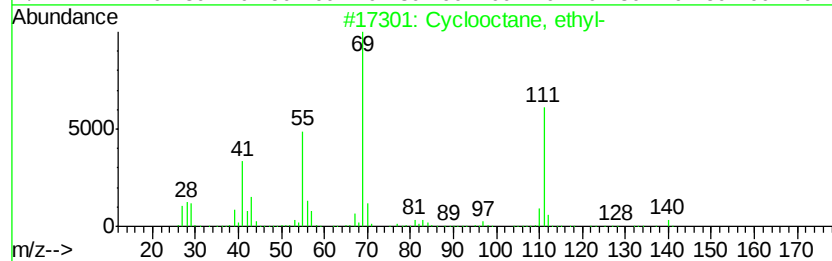
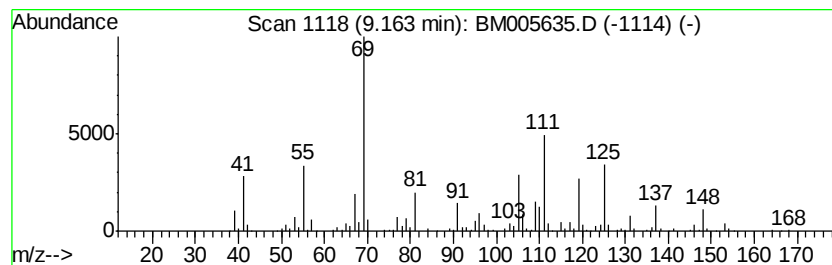
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 (DEL) Alkane: Cyclic9.16 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	26.22 ng/ul	2190810	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, ethyl-	140	C10H20	013152-02-8	43
2		Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	43
3		Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	43
4		Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	43
5		Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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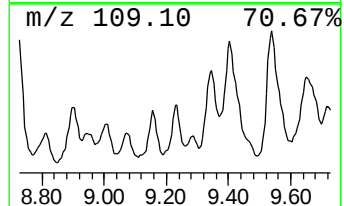
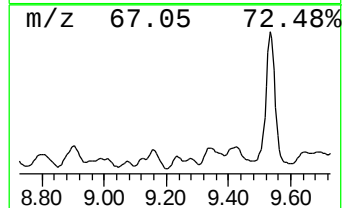
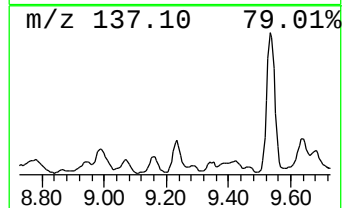
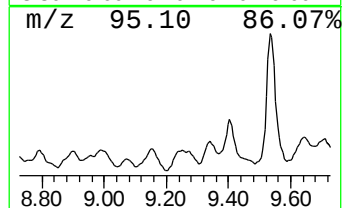
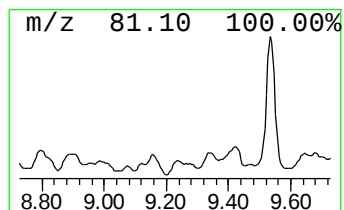
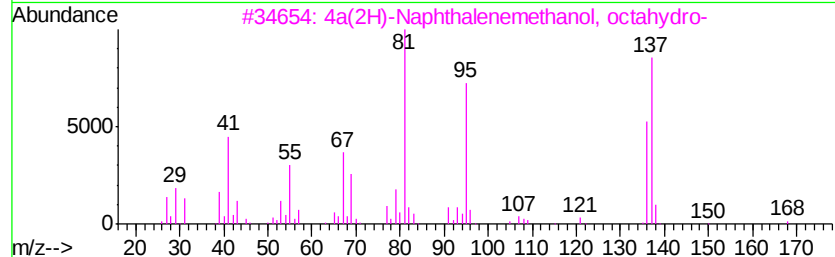
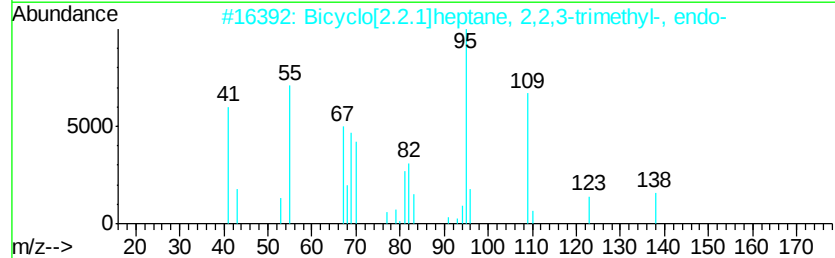
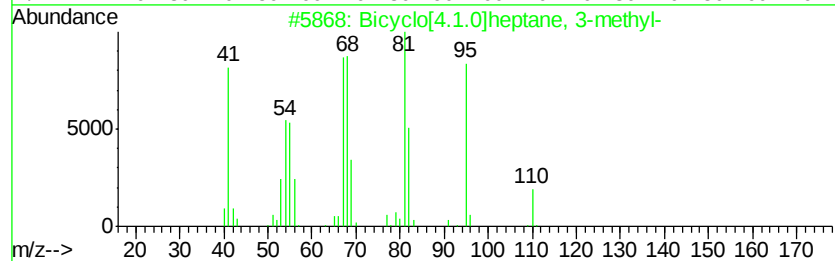
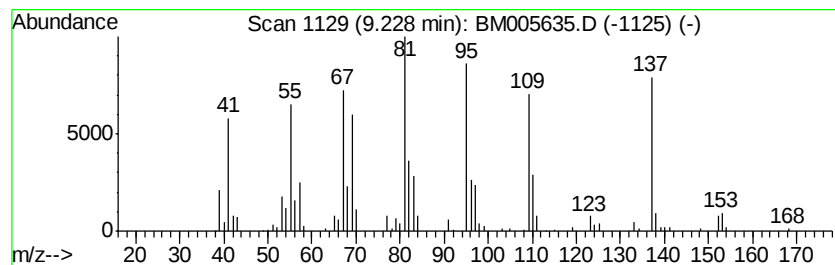
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 (DEL) Alkane: Branched9.23 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	4.34 ng/ul	764378	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	49
2		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	45
3		4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	43
4		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	41
5		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	41



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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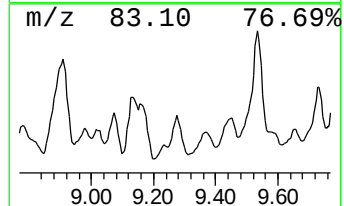
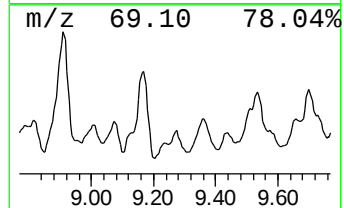
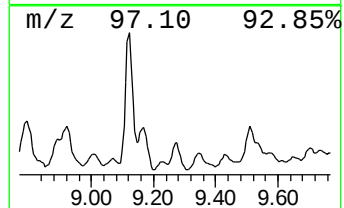
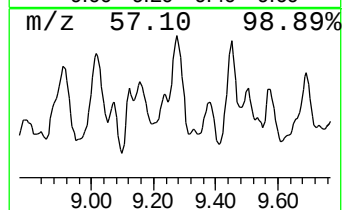
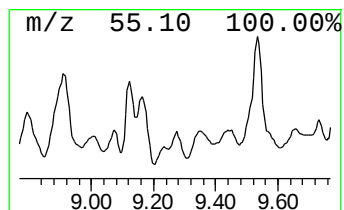
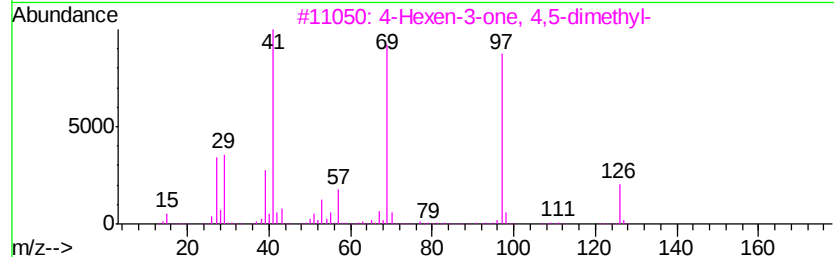
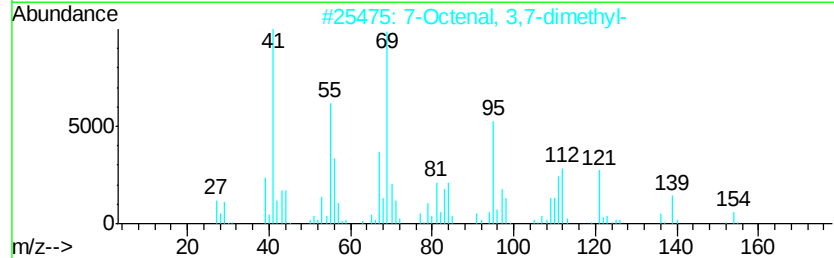
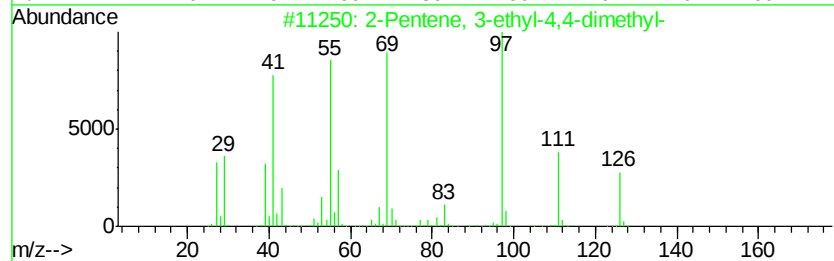
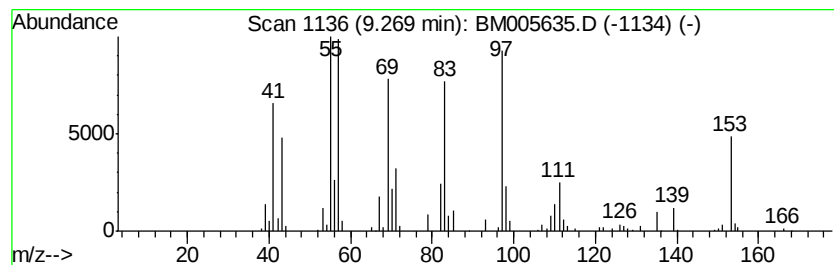
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 (DEL) Alkane: Cyclic9.27 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	3.49 ng/ul	614440	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	38
2		7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	35
3		4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	30
4		Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	11
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	11



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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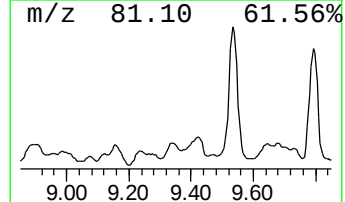
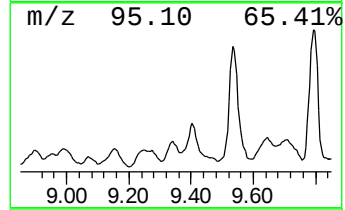
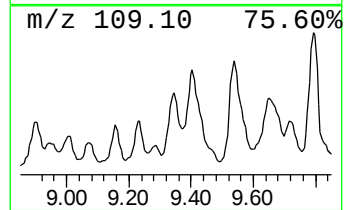
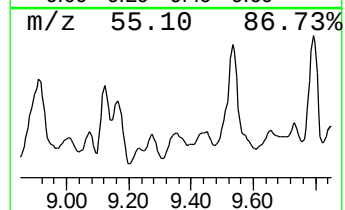
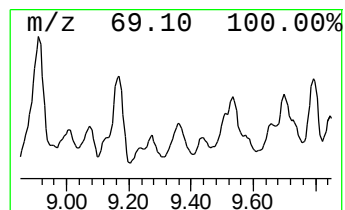
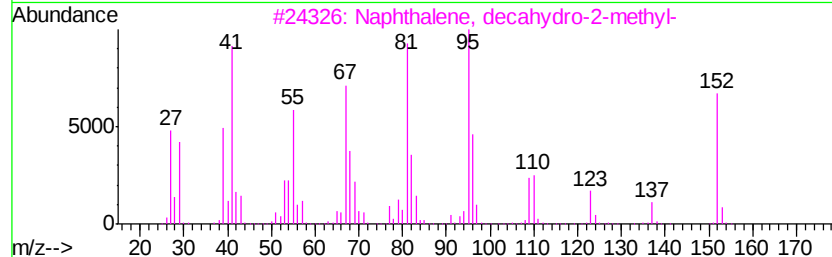
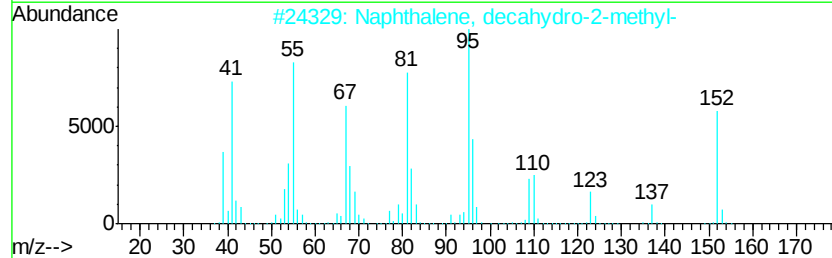
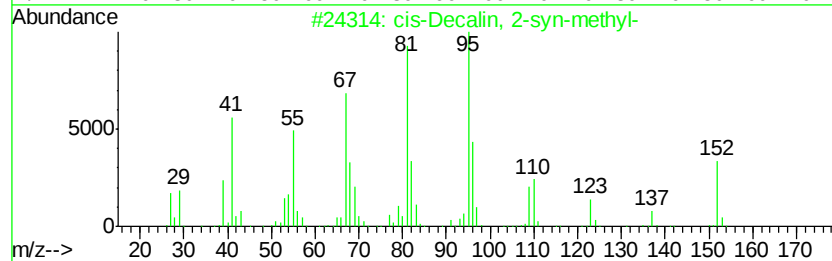
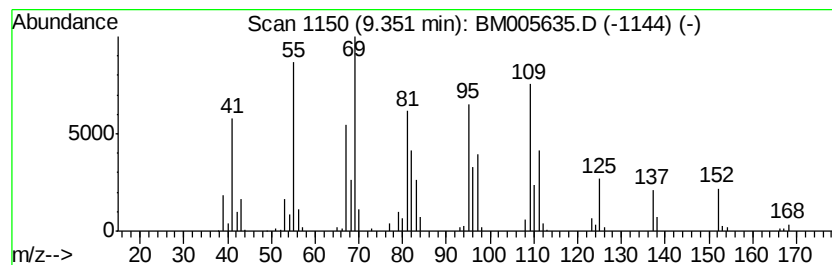
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 (DEL) Alkane: Branched9.35 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	5.56 ng/ul	979836	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	50
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45
4		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	41
5		Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	41



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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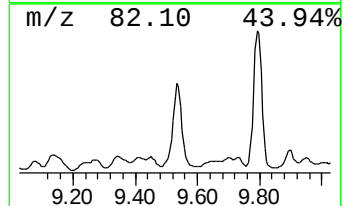
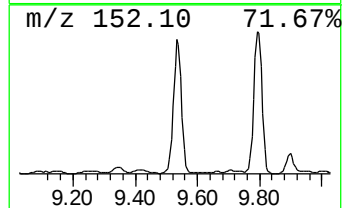
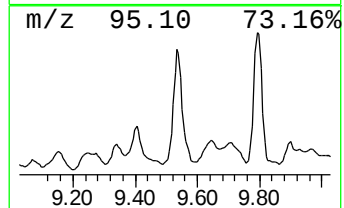
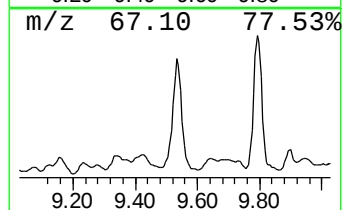
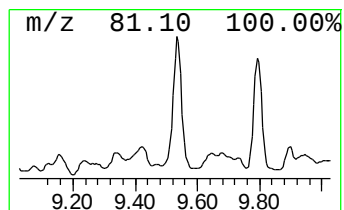
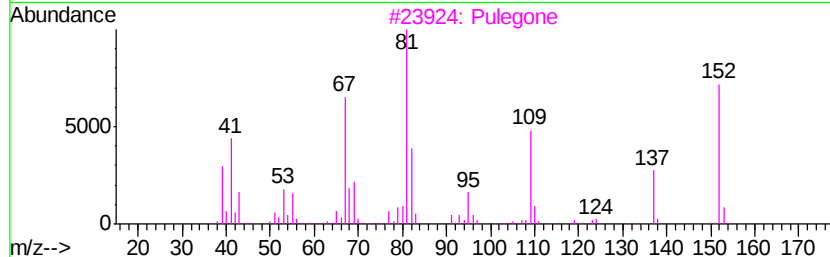
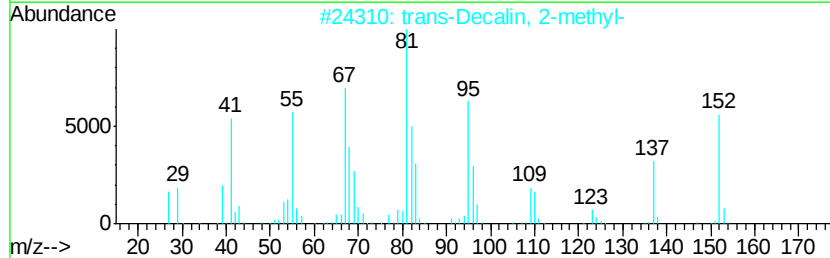
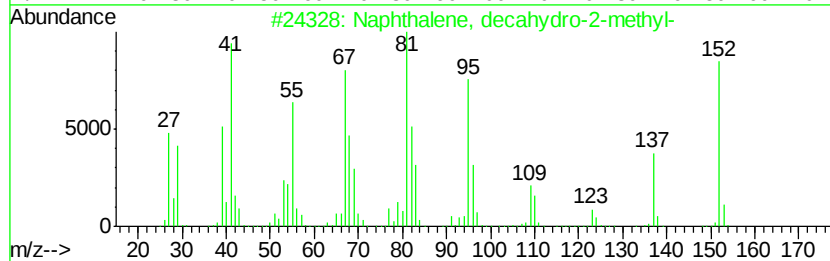
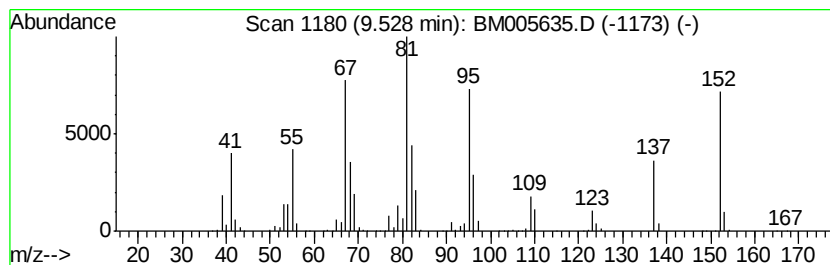
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Branched9.53 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	35.64 ng/ul	6277390	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
3		Pulegone	152	C10H16O	000089-82-7	76
4		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	76
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 07:20
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleID :
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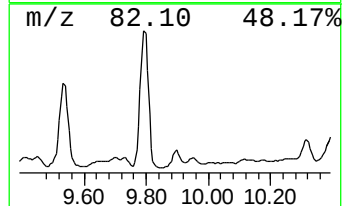
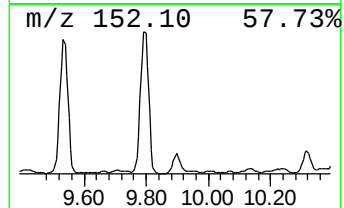
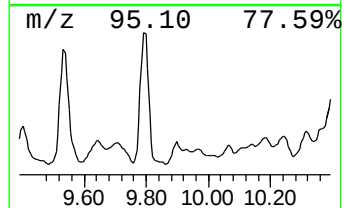
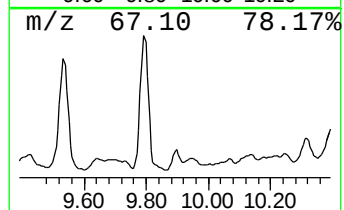
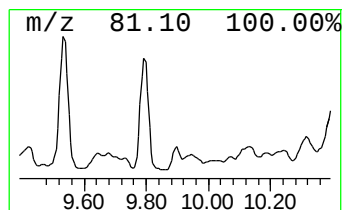
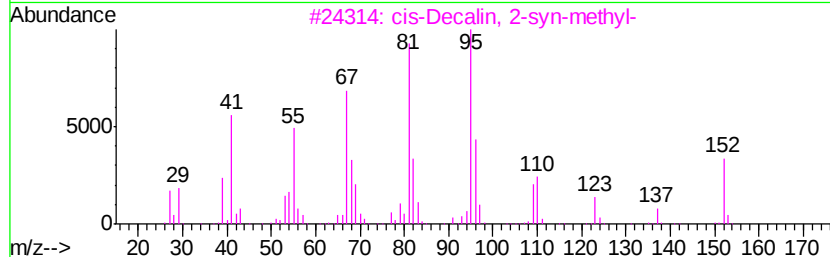
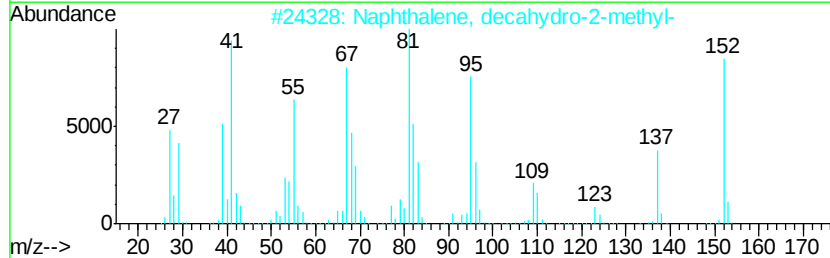
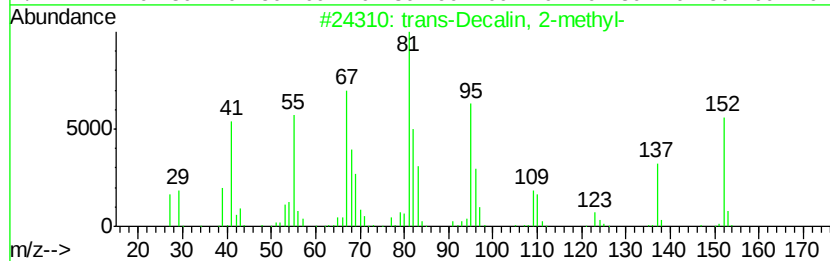
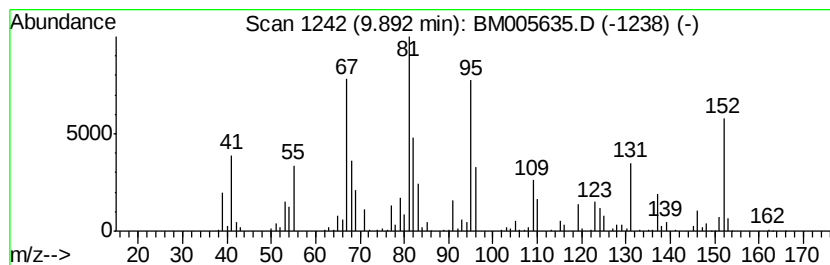
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 (DEL) Alkane: Branched9.89 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	4.45 ng/ul	783393	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
3		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	81
4		9-Octadecyne	250	C18H34	035365-59-4	58
5		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	58



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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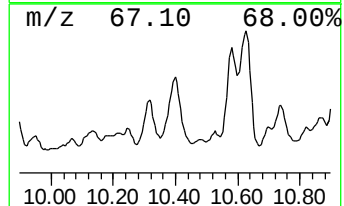
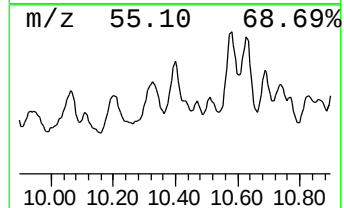
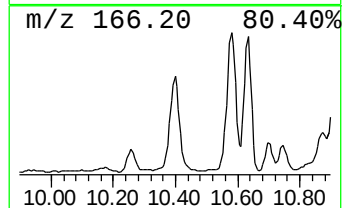
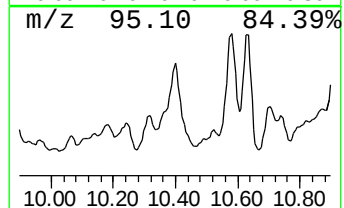
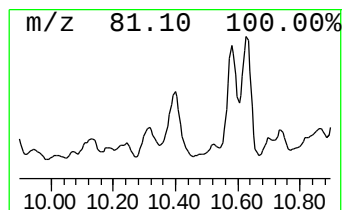
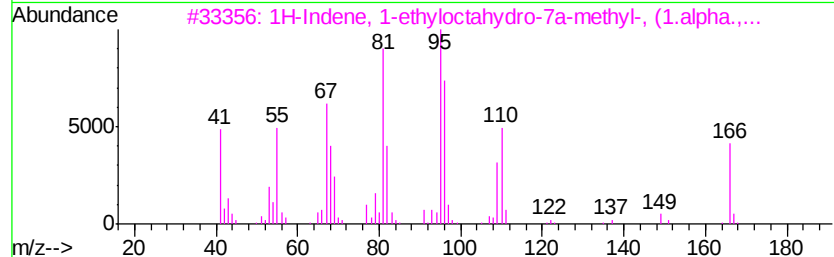
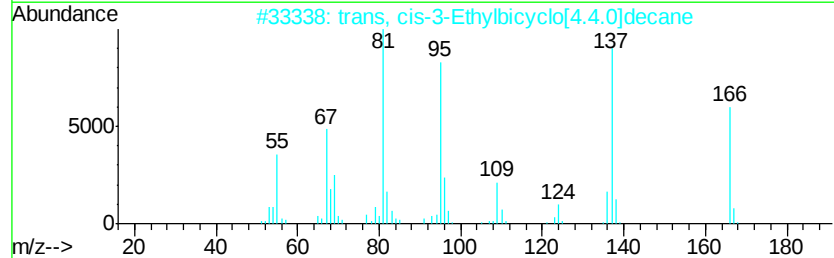
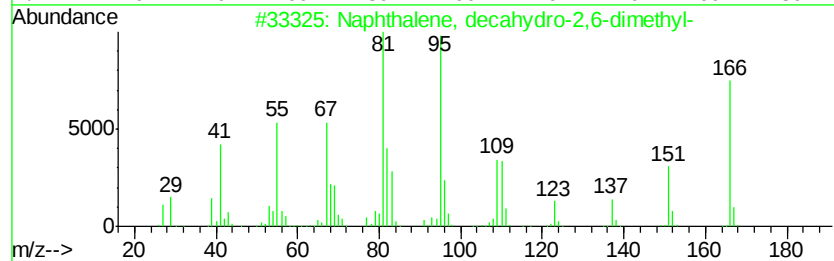
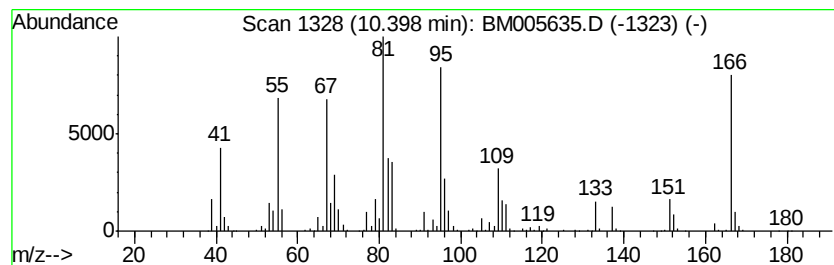
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 (DEL) Alkane: Branched10.40 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	14.95 ng/ul	2634310	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	94
2		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	90
3		1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	87
4		cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	83
5		trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	80



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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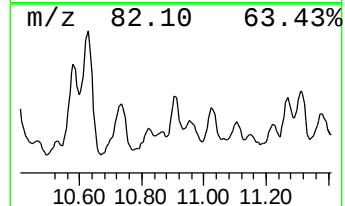
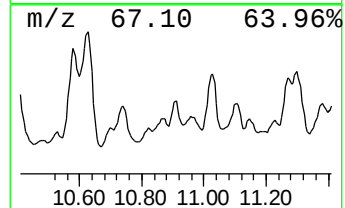
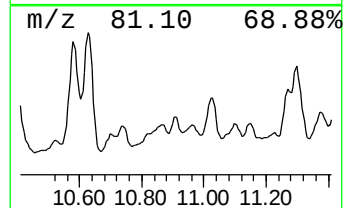
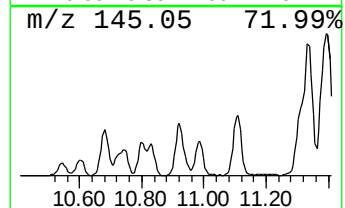
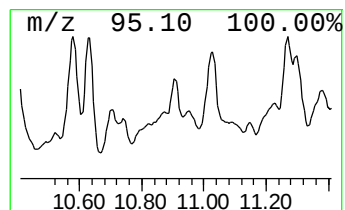
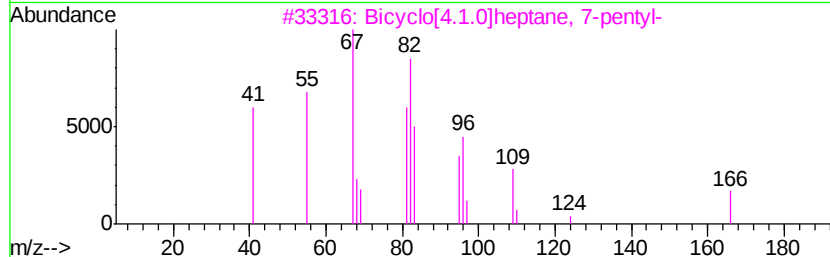
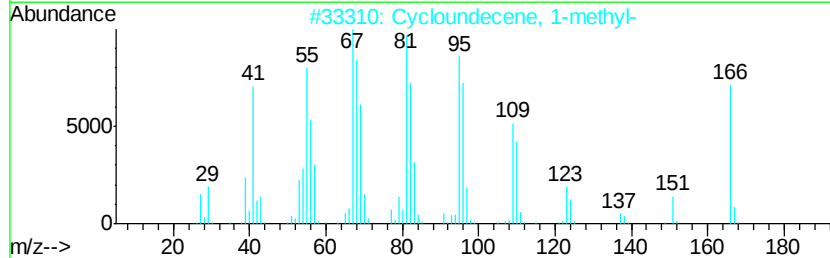
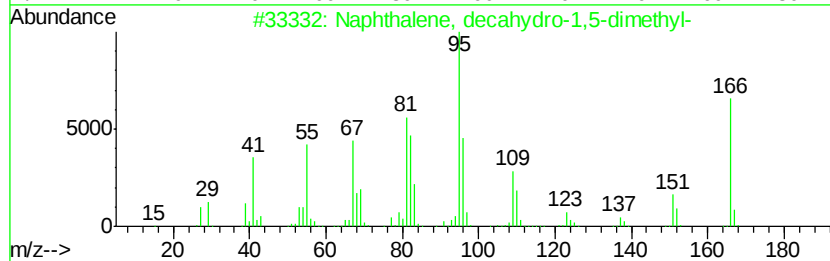
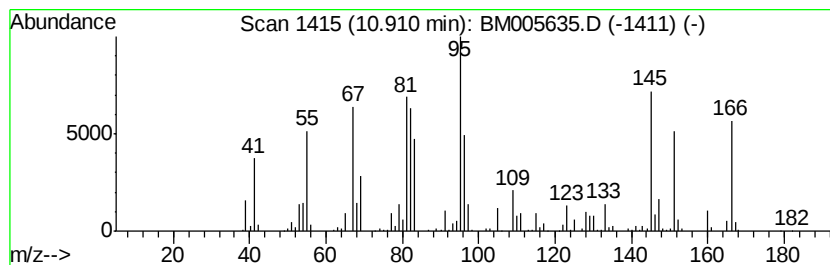
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 (DEL) Alkane: Branched10.91 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	4.52 ng/ul	795579	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	68
2		Cycloundecene, 1-methyl-	166	C12H22	088828-82-4	49
3		Bicyclo[4.1.0]heptane, 7-pentyl-	166	C12H22	041977-45-1	49
4		trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	46
5		Hexylidencyclohexane	166	C12H22	010201-62-4	45



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGF9RE

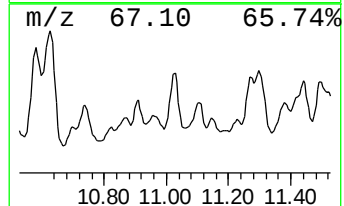
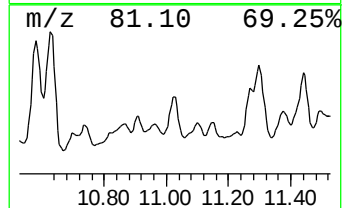
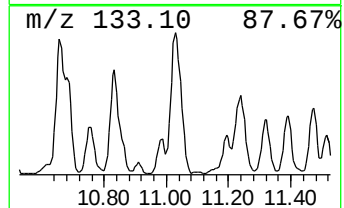
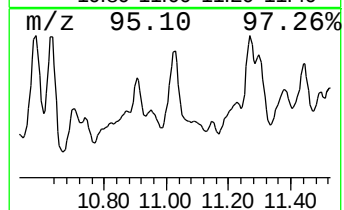
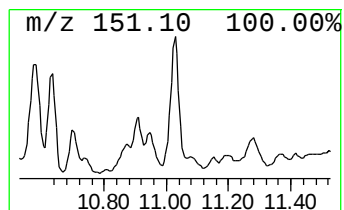
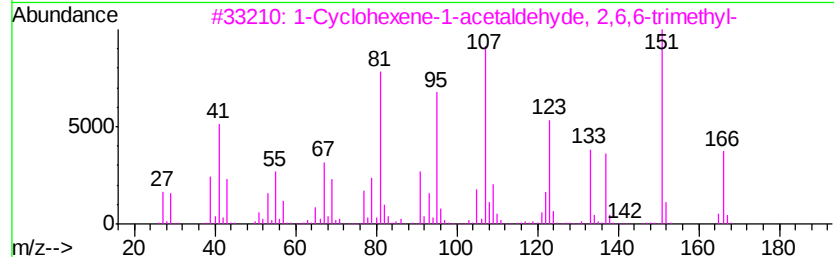
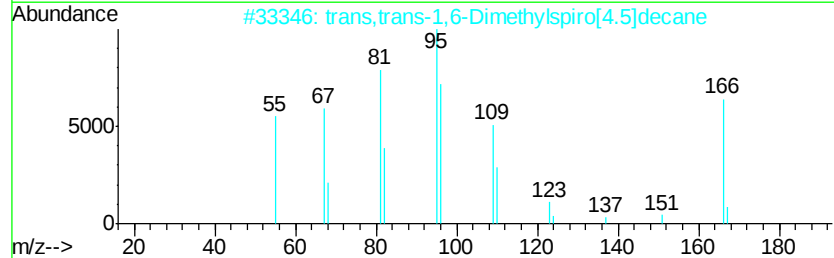
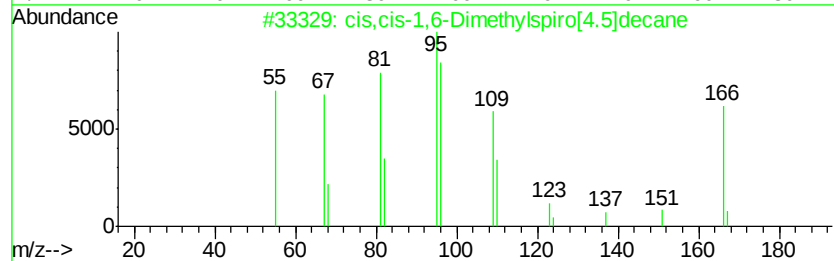
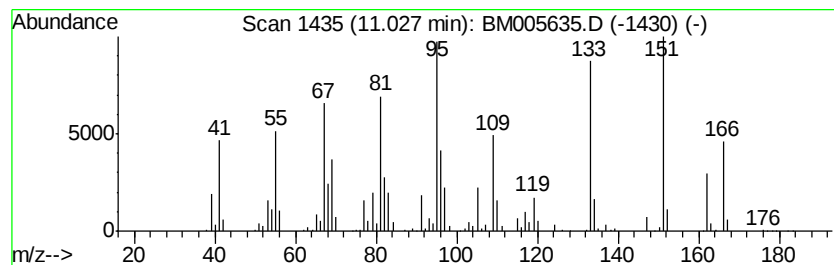
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 (DEL) Alkane: Branched11.03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	12.56 ng/ul	2212730	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	46
2		trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	38
3		1-Cyclohexene-1-acetaldehyde, 2,...	166	C11H18O	000472-66-2	38
4		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	27



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGF9RE

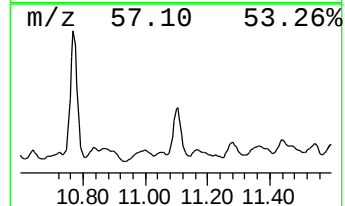
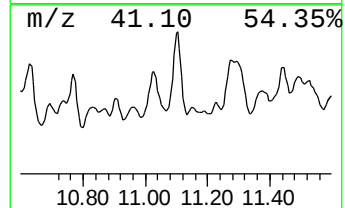
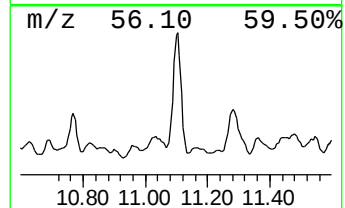
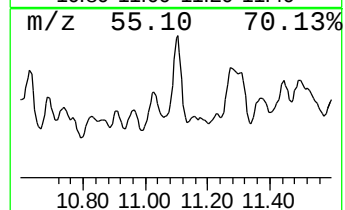
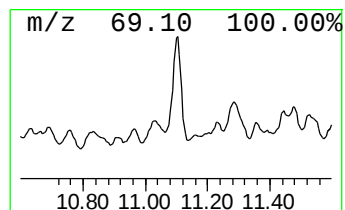
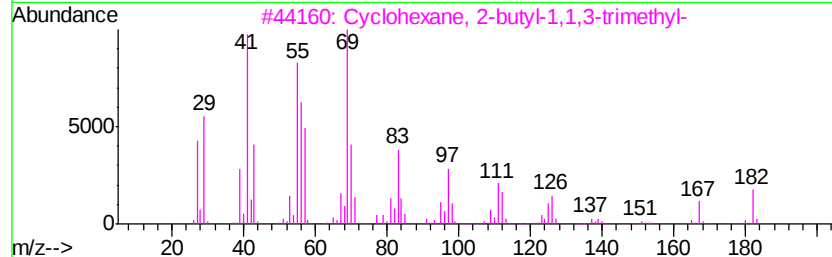
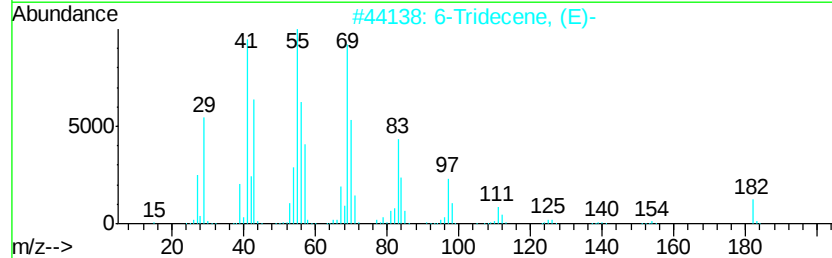
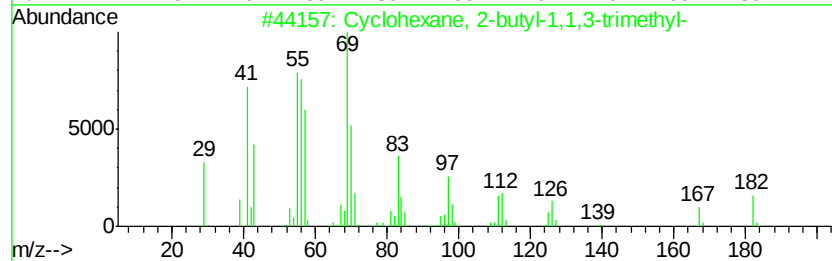
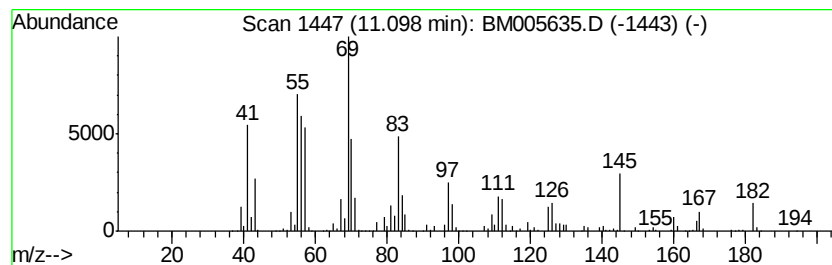
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 (DEL) Alkane: Cyclic11.10 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	15.51 ng/ul	2731990	Naphthalene-d8	10.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	96
2			6-Tridecene, (E)-	182	C13H26	006434-76-0	90
3			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	74
4			5-Tridecene, (E)-	182	C13H26	023051-84-5	60
5			Cyclopentane, butyl-	126	C9H18	002040-95-1	58



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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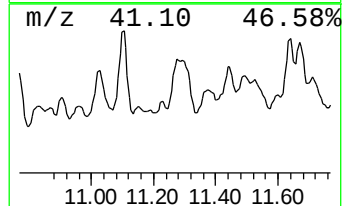
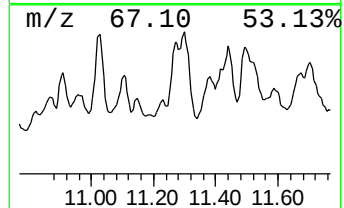
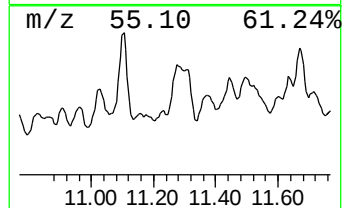
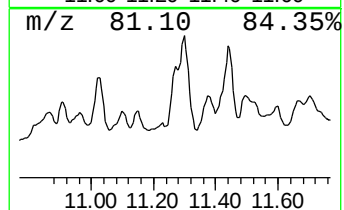
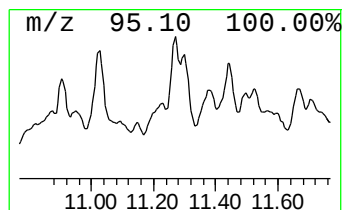
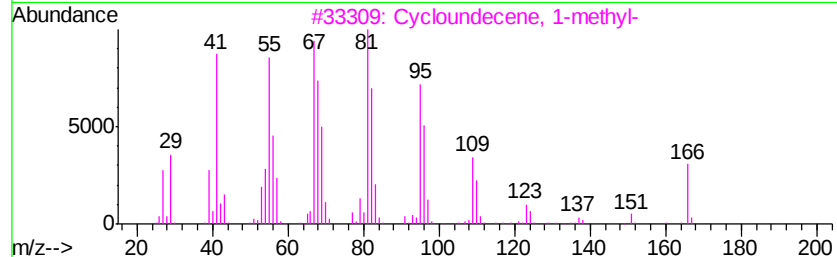
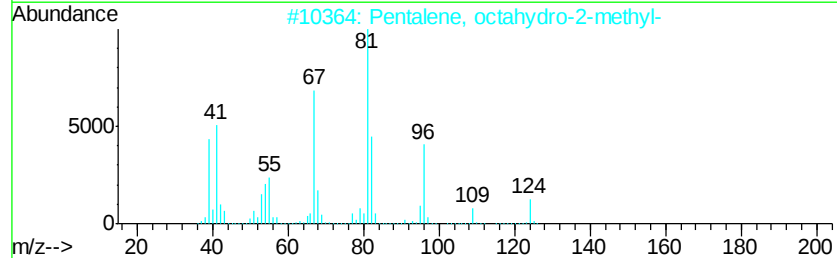
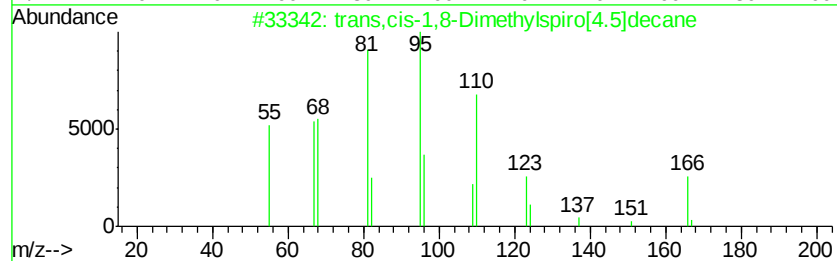
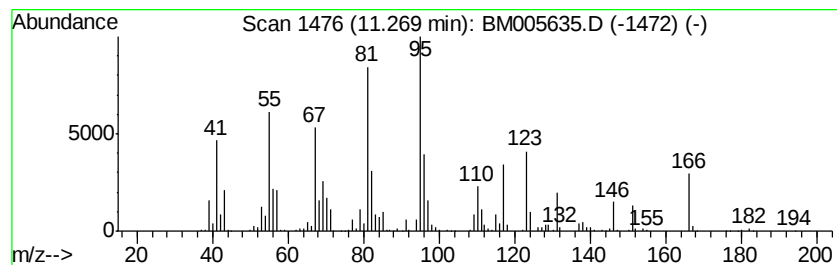
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 (DEL) Alkane: Branched11.27 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	10.76 ng/ul	1895320	Naphthalene-d8	10.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	53
2			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	48
3			Cycloundecene, 1-methyl-	166	C12H22	088828-82-4	46
4			2-Tetradecyne	194	C14H26	000638-60-8	46
5			Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	42



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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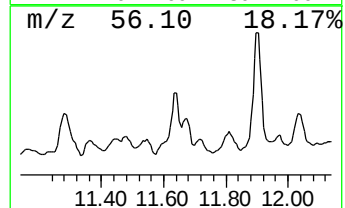
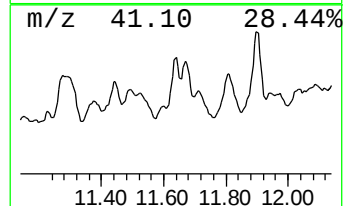
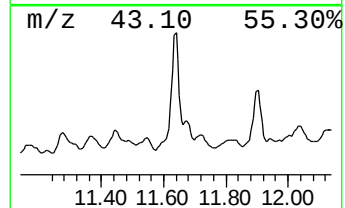
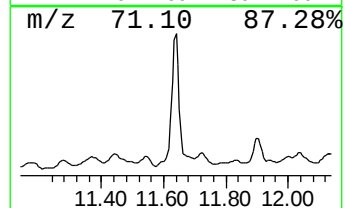
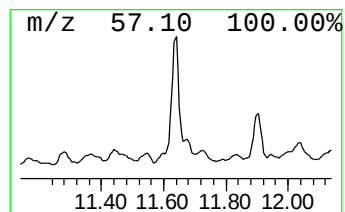
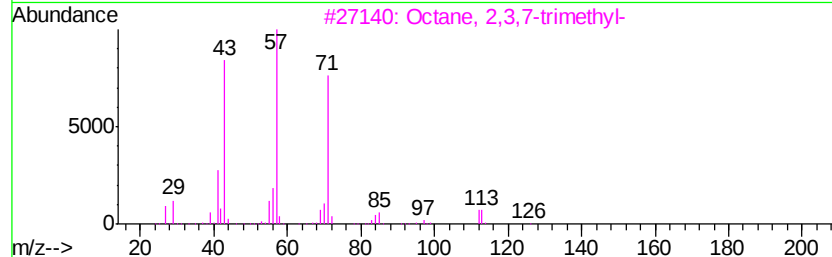
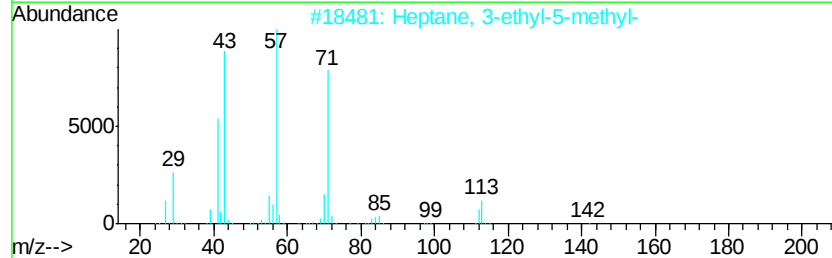
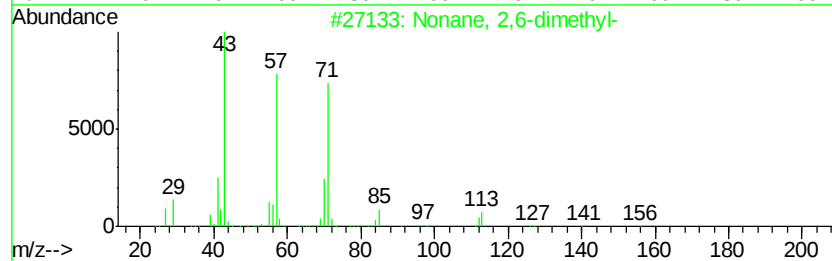
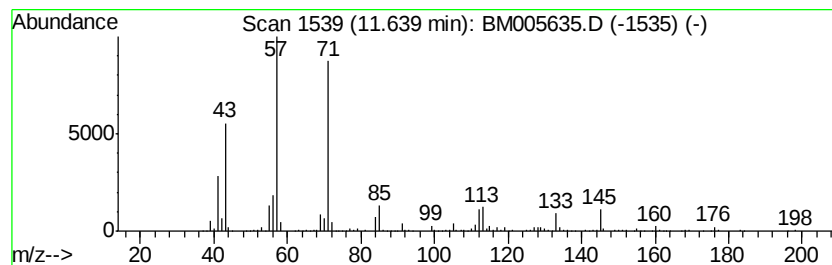
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	9.92 ng/ul	1747260	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	74
2		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	72
3		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	72
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
5		Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
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Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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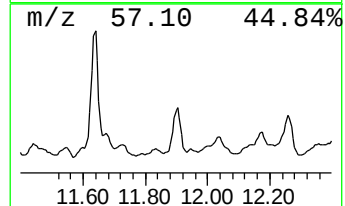
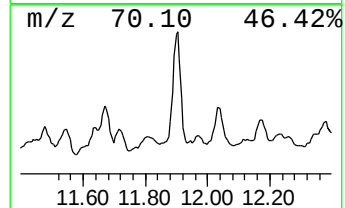
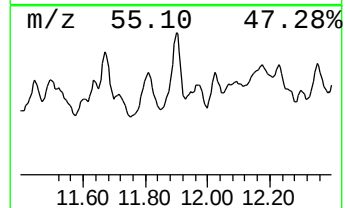
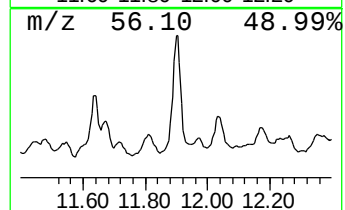
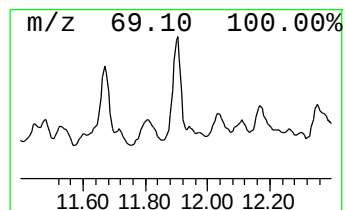
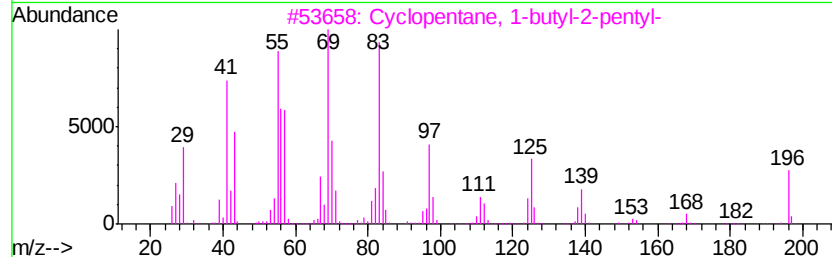
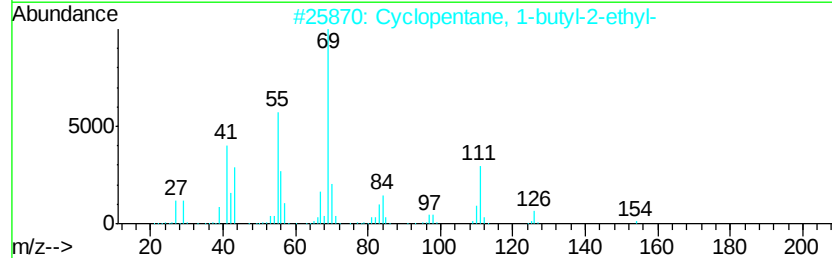
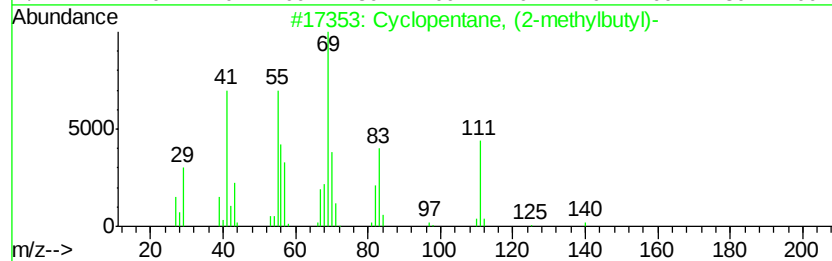
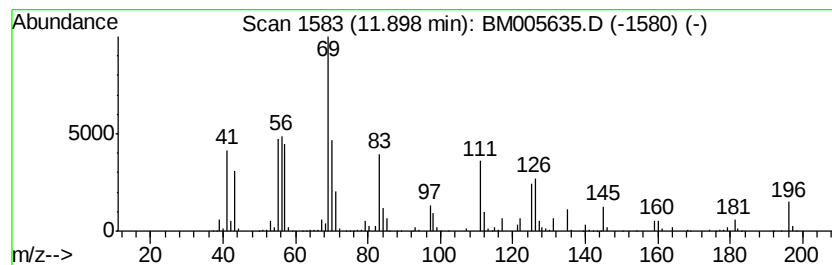
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 (DEL) Alkane: Cyclic11.90 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	14.71 ng/ul	2591730	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52
2		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	50
3		Cyclopentane, 1-butyl-2-pentyl-	196	C14H28	061142-52-7	50
4		Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	47
5		Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

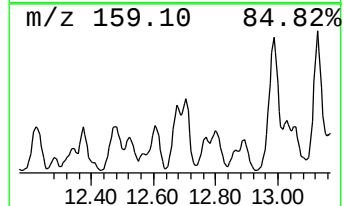
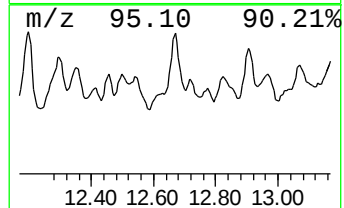
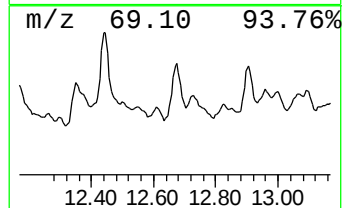
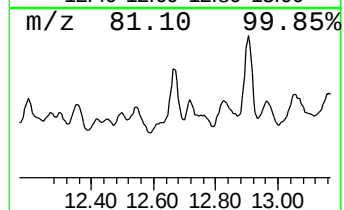
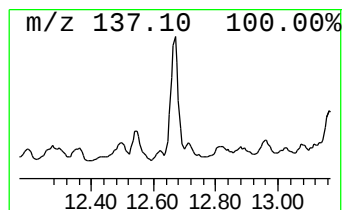
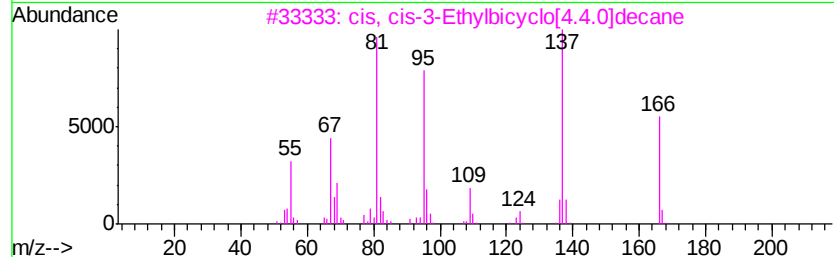
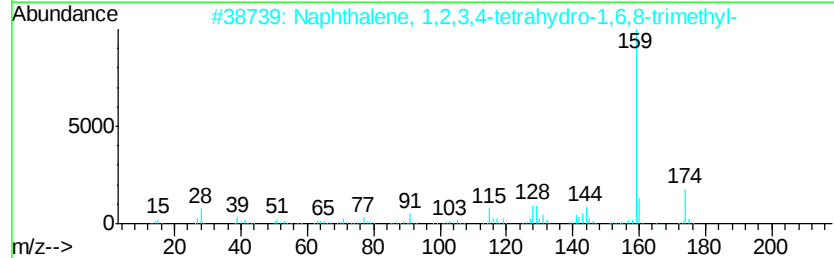
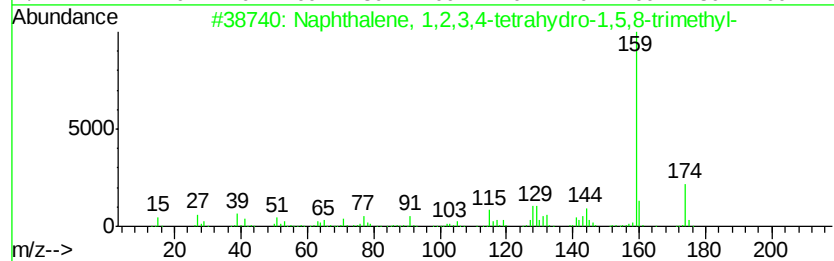
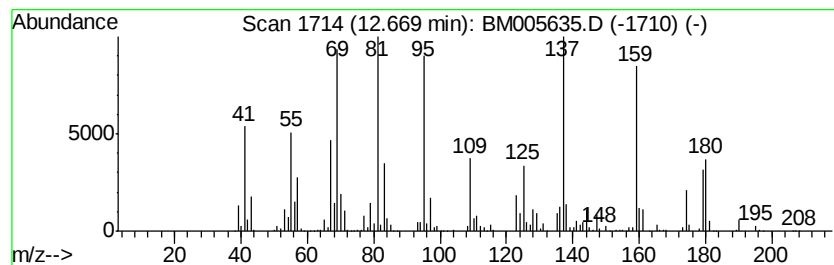
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 55 (DEL) Alkane: Branched12.67 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	15.08 ng/ul	1996700	Acenaphthene-d10	14.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	021693-51-6 56
2		Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	030316-36-0 56
3		cis, cis-3-Ethylbicyclo[4.4.0]de...	166 C12H22	066660-42-2 38
4		trans, cis-3-Ethylbicyclo[4.4.0]...	166 C12H22	066660-43-3 38
5		cis,trans-3-Ethylbicyclo[4.4.0]d...	166 C12H22	066660-41-1 35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005635.D
Acq On : 24 May 2016 07:20
Operator : UM/SJ
Sample : H3124-02RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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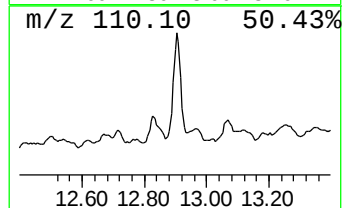
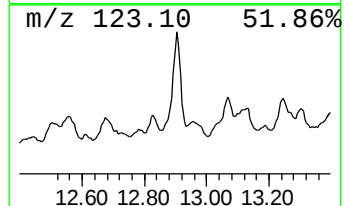
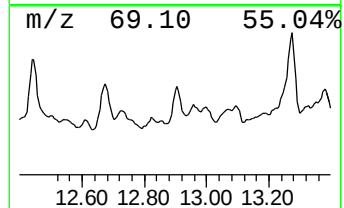
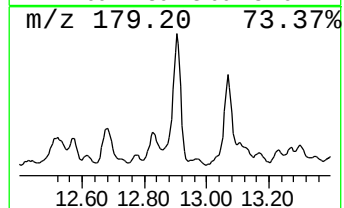
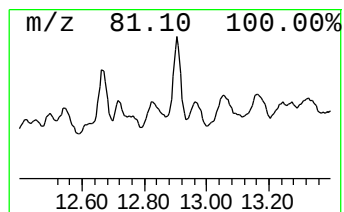
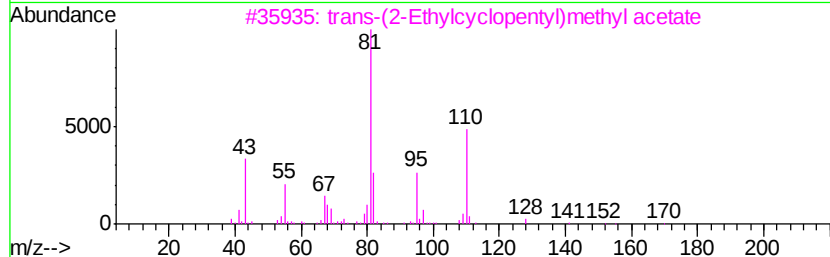
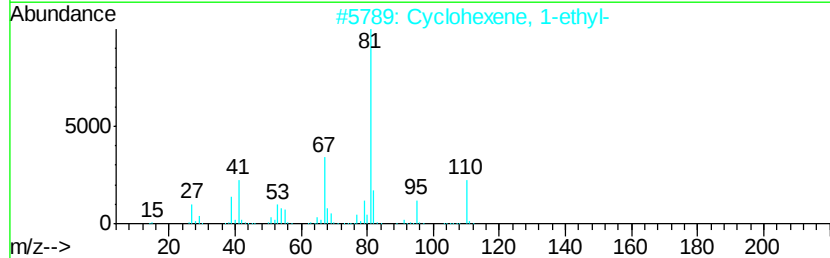
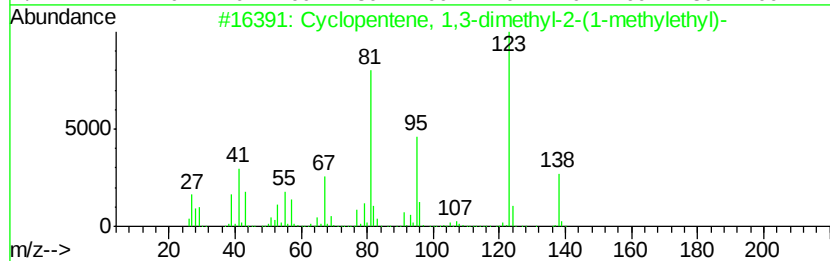
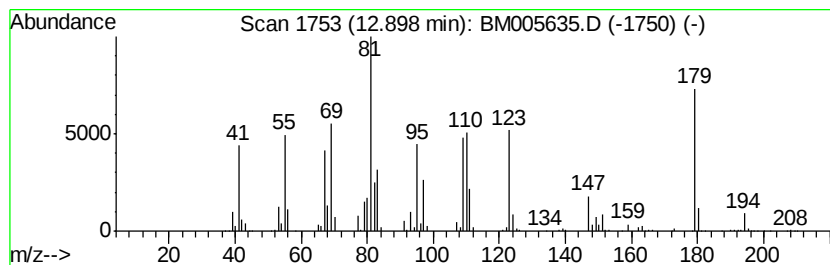
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 56 (DEL) Alkane: Branched12.90 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	21.93 ng/ul	2902570	Acenaphthene-d10	14.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 1,3-dimethyl-2-(1-...	138	C10H18	061142-32-3	35
2		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	30
3		trans-(2-Ethylcyclopentyl)methyl...	170	C10H18O2	1000099-13-9	27
4		2-Propenyl-3-vinylloxirane	110	C7H10O	070597-49-8	27
5		Cyclopropane, tetramethylpropyli...	138	C10H18	024519-04-8	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005635.D
 Acq On : 24 May 2016 07:20
 Operator : UM/SJ
 Sample : H3124-02RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGF9RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	5.02	4.1	ng/ul	340332	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	5.25	5.8	ng/ul	481651	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	5.62	3.8	ng/ul	313657	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	5.69	3.2	ng/ul	264484	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	5.77	2.8	ng/ul	230174	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	5.91	4.5	ng/ul	373378	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	6.09	16.3	ng/ul	1359380	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	6.20	3.4	ng/ul	282445	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	6.31	12.8	ng/ul	1070540	1	7.82	1671350	20.0
(DEL) Alkane: Str...	6.36	3.9	ng/ul	327987	1	7.82	1671350	20.0
(DEL) Alkane: Str...	6.42	6.4	ng/ul	533476	1	7.82	1671350	20.0
(DEL) Alkane: Str...	6.47	22.1	ng/ul	1849800	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	6.56	5.7	ng/ul	472421	1	7.82	1671350	20.0
unknown-01	6.63	7.1	ng/ul	596691	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	6.69	2.1	ng/ul	172682	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	6.90	6.8	ng/ul	571009	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	6.95	30.8	ng/ul	2574860	1	7.82	1671350	20.0
2,4-Nonadienal, (...)	7.09	6.2	ng/ul	515727	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	7.24	2.3	ng/ul	194465	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	7.47	3.3	ng/ul	271288	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	7.53	22.2	ng/ul	1858130	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	7.63	7.8	ng/ul	655482	1	7.82	1671350	20.0
unknown-02	7.74	20.6	ng/ul	1720030	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	7.88	7.6	ng/ul	631871	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	7.95	10.6	ng/ul	885427	1	7.82	1671350	20.0
13-Octadecenal, (Z)-	7.99	13.3	ng/ul	1107800	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	8.04	4.3	ng/ul	356239	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	8.16	5.0	ng/ul	421413	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	8.22	3.9	ng/ul	325166	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	8.26	3.5	ng/ul	289889	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	8.37	36.7	ng/ul	3070060	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	8.45	3.0	ng/ul	248224	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	8.79	19.1	ng/ul	1591960	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	8.91	40.6	ng/ul	3397000	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	9.12	11.7	ng/ul	976074	1	7.82	1671350	20.0
(DEL) Alkane: Cyc...	9.16	26.2	ng/ul	2190810	1	7.82	1671350	20.0
(DEL) Alkane: Bra...	9.23	4.3	ng/ul	764378	2	10.62	3523120	20.0
(DEL) Alkane: Cyc...	9.27	3.5	ng/ul	614440	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	9.35	5.6	ng/ul	979836	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	9.53	35.6	ng/ul	6277390	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	9.89	4.5	ng/ul	783393	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	10.40	14.9	ng/ul	2634310	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	10.91	4.5	ng/ul	795579	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	11.03	12.6	ng/ul	2212730	2	10.62	3523120	20.0
(DEL) Alkane: Cyc...	11.10	15.5	ng/ul	2731990	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	11.27	10.8	ng/ul	1895320	2	10.62	3523120	20.0
(DEL) Alkane: Str...	11.64	9.9	ng/ul	1747260	2	10.62	3523120	20.0
(DEL) Alkane: Cyc...	11.90	14.7	ng/ul	2591730	2	10.62	3523120	20.0
(DEL) Alkane: Bra...	12.67	15.1	ng/ul	1996700	3	14.47	2647610	20.0

Instrument :
BNA_M
ClientSampleId :
JHGF9RE