

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005628.D
 Acq On : 24 May 2016 03:05
 Operator : UM/SJ
 Sample : H3086-17RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL1RE

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	2.616	3	5	19	rVB	78542	117975	1.97%	0.075%
2	4.922	388	397	405	rBV2	138014	272854	4.55%	0.174%
3	5.069	416	422	426	rBV	65530	100572	1.68%	0.064%
4	5.251	444	453	460	rVB5	30979	89178	1.49%	0.057%
5	5.398	471	478	480	rBV4	55111	111667	1.86%	0.071%
6	5.498	489	495	500	rBV2	83500	139644	2.33%	0.089%
7	5.687	519	527	536	rBV2	383437	794391	13.24%	0.506%
8	5.798	541	546	552	rVB3	130299	223735	3.73%	0.143%
9	5.898	557	563	572	rBV	814008	1396825	23.27%	0.890%
10	5.981	572	577	585	rVB3	155188	333000	5.55%	0.212%
11	6.063	585	591	598	rBV4	834434	1774613	29.57%	1.130%
12	6.204	607	615	622	rVB3	308730	821100	13.68%	0.523%
13	6.287	622	629	635	rBV2	760822	1401747	23.36%	0.893%
14	6.357	635	641	644	rBV	587924	1044887	17.41%	0.666%
15	6.404	644	649	655	rVV3	646144	1815440	30.25%	1.156%
16	6.469	655	660	670	rVV6	819943	2579469	42.98%	1.643%
17	6.557	670	675	680	rVV2	1064871	1719650	28.65%	1.095%
18	6.616	680	685	692	rVB3	1165710	2179619	36.32%	1.388%
19	6.687	692	697	700	rBV2	149187	247499	4.12%	0.158%
20	6.763	705	710	714	rBV	411306	651476	10.86%	0.415%
21	6.898	728	733	736	rBV3	479329	782429	13.04%	0.498%
22	6.963	736	744	759	rVB4	772366	2697362	44.95%	1.718%
23	7.081	759	764	768	rBV	1169176	2039029	33.98%	1.299%
24	7.128	768	772	777	rVV4	1449277	2714164	45.23%	1.729%
25	7.181	777	781	785	rVV3	1322207	1922098	32.03%	1.224%
26	7.222	785	788	794	rVB2	561685	863443	14.39%	0.550%
27	7.304	794	802	804	rBV6	611317	1346755	22.44%	0.858%
28	7.340	804	808	815	rVB5	449881	1088208	18.13%	0.693%
29	7.457	823	828	834	rBV6	389032	866182	14.43%	0.552%
30	7.522	834	839	845	rBV3	920610	1750793	29.17%	1.115%
31	7.610	849	854	863	rVB7	435805	1364929	22.74%	0.869%
32	7.728	863	874	877	rBV4	1258885	3463111	57.70%	2.206%
33	7.798	883	886	892	rVB	655008	1115089	18.58%	0.710%
34	7.869	892	898	903	rVB4	708757	1252846	20.88%	0.798%

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35	7.939	903	910	912	rBV3	471474	1126370	18.77%	0.718%
36	7.987	912	918	922	rVB3	1279927	2592355	43.20%	1.651%
37	8.028	922	925	928	rBV3	219776	296420	4.94%	0.189%
38	8.075	929	933	937	rVV	331533	486642	8.11%	0.310%
39	8.116	937	940	942	rVV3	138477	191590	3.19%	0.122%
40	8.145	942	945	951	rVB3	553520	913462	15.22%	0.582%
41	8.210	951	956	959	rBV3	458769	793559	13.22%	0.506%
42	8.245	959	962	967	rVB2	449776	652567	10.87%	0.416%
43	8.328	967	976	977	rBV4	570828	1306258	21.77%	0.832%
44	8.351	977	980	990	rVB2	840982	1458968	24.31%	0.929%
45	8.434	991	994	997	rBV2	114042	118754	1.98%	0.076%
46	8.469	997	1000	1002	rBV4	95767	125292	2.09%	0.080%
47	8.516	1002	1008	1013	rBV4	728001	1505631	25.09%	0.959%
48	8.675	1025	1035	1044	rBV10	796315	3073218	51.21%	1.958%
49	8.781	1047	1053	1062	rVB4	644563	1961501	32.68%	1.249%
50	8.898	1062	1073	1078	rBV5	1056569	3242238	54.02%	2.065%
51	8.957	1079	1083	1088	rBV	360816	681237	11.35%	0.434%
52	9.057	1097	1100	1105	rVB3	507889	813939	13.56%	0.518%
53	9.116	1105	1110	1111	rBV2	729483	1103611	18.39%	0.703%
54	9.145	1112	1115	1123	rVB5	1115034	2152444	35.87%	1.371%
55	9.228	1123	1129	1130	rBV4	369951	659966	11.00%	0.420%
56	9.328	1141	1146	1150	rBV3	409705	883812	14.73%	0.563%
57	9.516	1171	1178	1183	rBV	1912743	3436327	57.26%	2.189%
58	9.775	1216	1222	1229	rBV2	1430605	3001064	50.01%	1.912%
59	9.880	1236	1240	1243	rBV	469776	761867	12.69%	0.485%
60	9.916	1243	1246	1247	rBV3	194005	230311	3.84%	0.147%
61	9.998	1256	1260	1261	rBV2	238428	333552	5.56%	0.212%
62	10.180	1285	1291	1294	rBV6	484996	1169219	19.48%	0.745%
63	10.298	1306	1311	1312	rBV3	539110	838650	13.97%	0.534%
64	10.380	1320	1325	1337	rVB3	1008873	2574438	42.90%	1.640%
65	10.563	1350	1356	1359	rBV3	1513189	3130061	52.16%	1.994%
66	10.604	1359	1363	1369	rVV3	2132489	4356027	72.58%	2.775%
67	10.669	1370	1374	1378	rVV5	1110963	1993117	33.21%	1.270%
68	10.722	1378	1383	1391	rVB7	904549	2065607	34.42%	1.316%
69	10.886	1408	1411	1416	rVB4	524551	725227	12.08%	0.462%
70	11.086	1441	1445	1449	rVB3	1635587	2623143	43.71%	1.671%
71	11.280	1469	1478	1487	rBV5	1554278	5314251	88.55%	3.385%

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72	11.363	1488	1492	1496	rVV2	640937	1044159	17.40%	0.665%
73	11.651	1536	1541	1546	rBV2	1677995	3425473	57.08%	2.182%
74	11.792	1560	1565	1572	rBV4	1154725	2551366	42.51%	1.625%
75	11.880	1572	1580	1585	rBV4	1219193	3762925	62.70%	2.397%
76	12.069	1606	1612	1618	rBV7	1190837	2708357	45.13%	1.725%
77	12.227	1636	1639	1647	rVB	1453652	2439643	40.65%	1.554%
78	12.357	1654	1661	1665	rBV3	1079757	2983545	49.71%	1.901%
79	12.469	1676	1680	1684	rVB4	1335462	1998881	33.31%	1.273%
80	12.651	1707	1711	1716	rBV4	1037034	1737811	28.96%	1.107%
81	13.510	1853	1857	1861	rBV2	1457602	2098511	34.97%	1.337%
82	15.080	2119	2124	2128	rBV	3174924	6001457	100.00%	3.823%
83	15.227	2146	2149	2154	rBV3	1703323	2861308	47.68%	1.823%
84	15.715	2230	2232	2238	rBV3	1211181	1829917	30.49%	1.166%
85	18.074	2630	2633	2637	rBV	1558773	2083812	34.72%	1.327%
86	18.992	2785	2789	2793	rBV	1735364	2542925	42.37%	1.620%
87	19.250	2829	2833	2839	rBV	3225146	4822225	80.35%	3.072%
88	19.586	2886	2890	2891	rBV2	1373410	1748694	29.14%	1.114%
89	19.615	2892	2895	2903	rVB2	3391278	5580798	92.99%	3.555%
90	21.356	3187	3191	3196	rBV2	1476363	3130497	52.16%	1.994%
91	21.397	3196	3198	3207	rVB	1389983	1856615	30.94%	1.183%

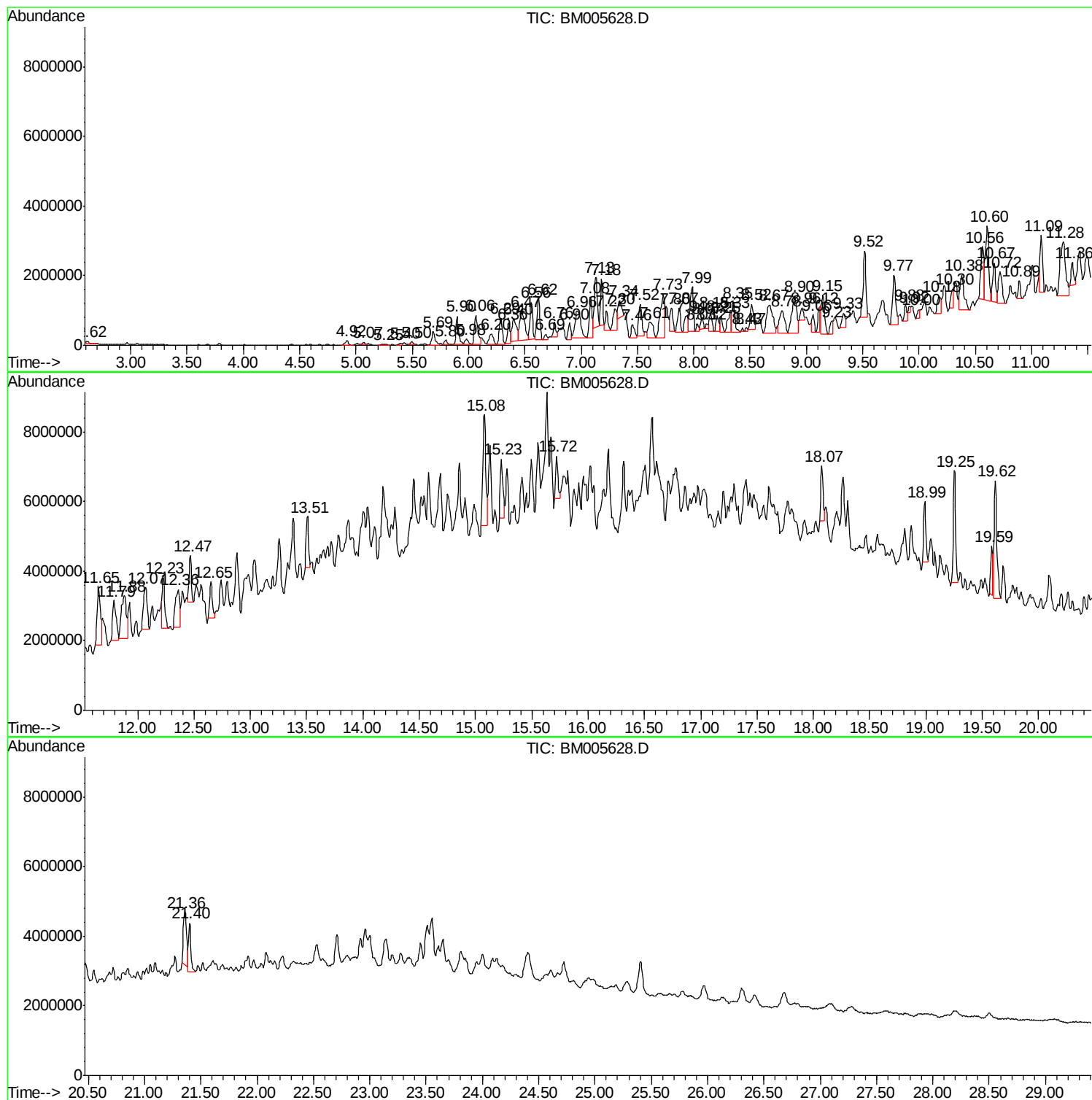
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



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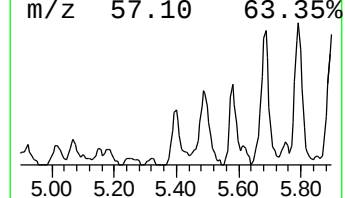
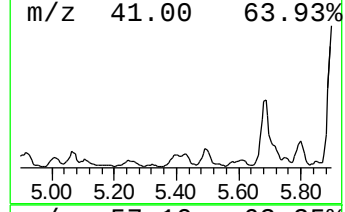
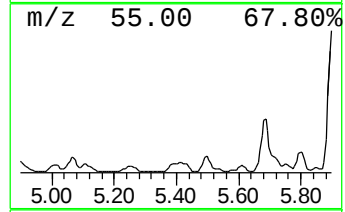
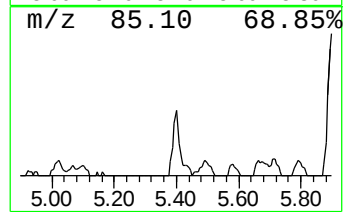
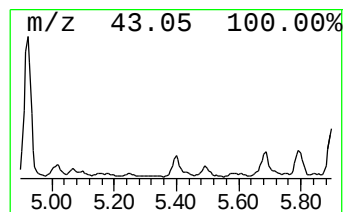
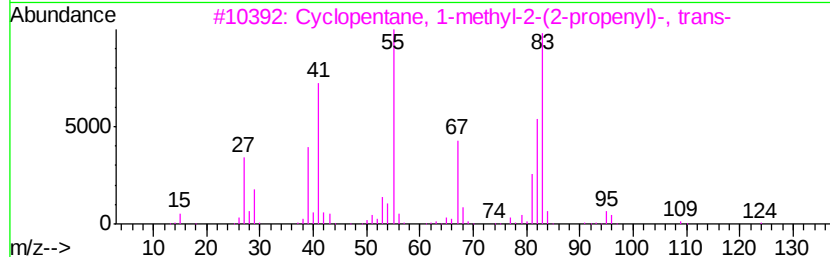
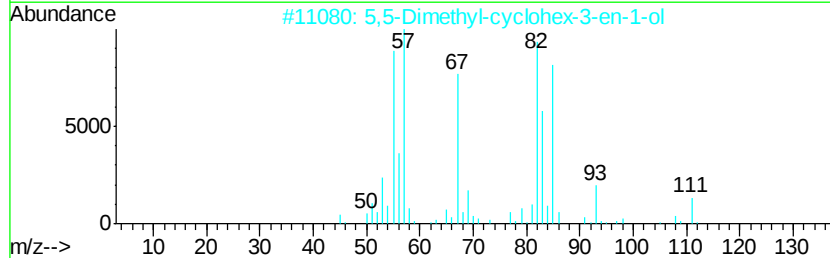
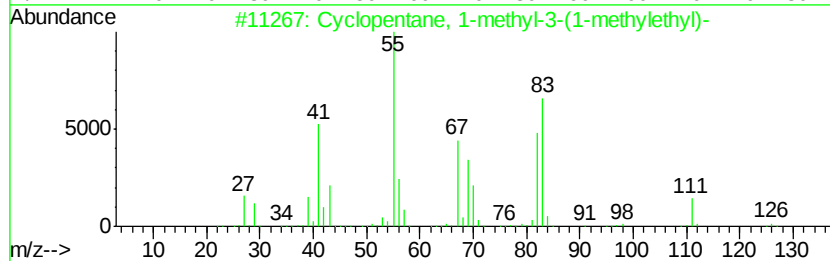
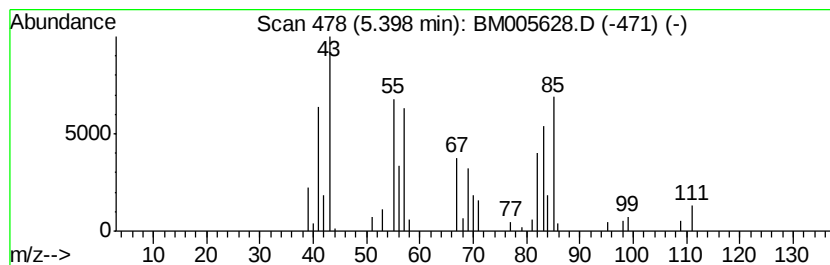
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 (DEL) Alkane: Cyclic5.40 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.40	2.00 ng/ul	111667	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	50
2		5,5-Dimethyl-cyclohex-3-en-1-ol	126	C8H14O	082299-68-1	40
3		Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	38
4		Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	27
5		2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	22



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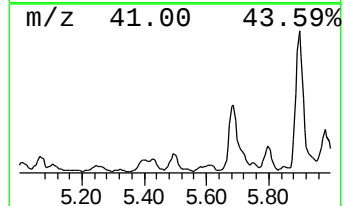
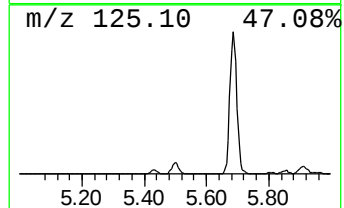
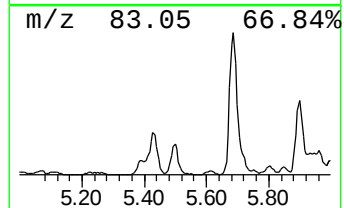
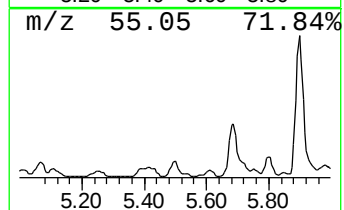
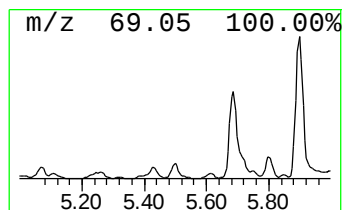
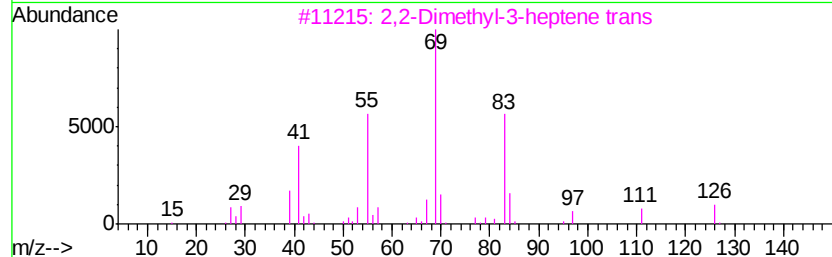
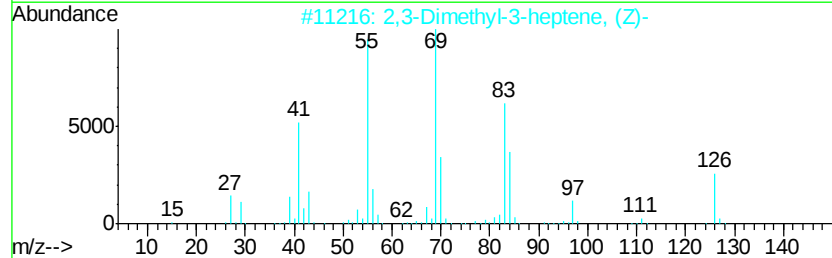
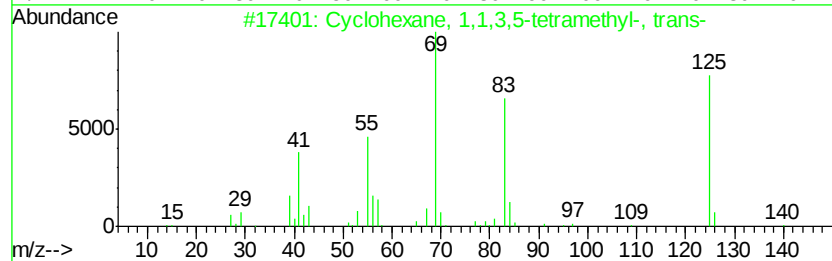
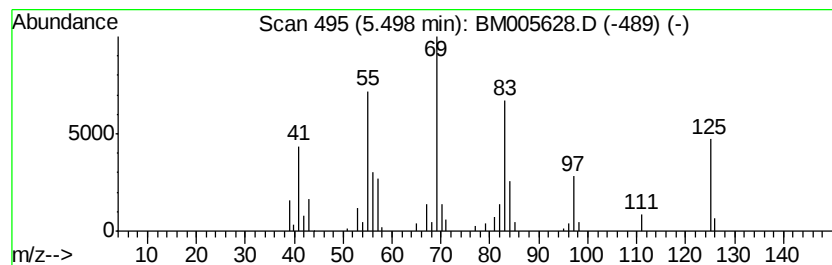
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic5.50 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	2.50 ng/ul	139644	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	64
2			2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	50
3			2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	49
4			Cyclobutanone, 2-(1,1-dimethylet...	126	C8H14O	004579-31-1	43
5			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	43



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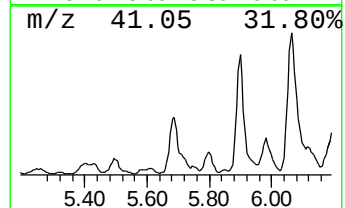
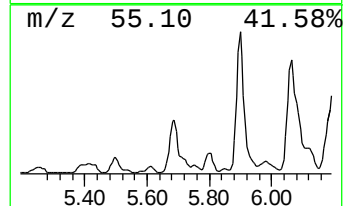
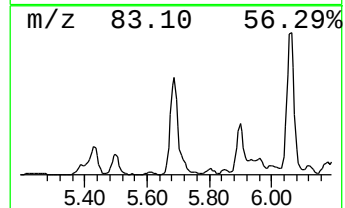
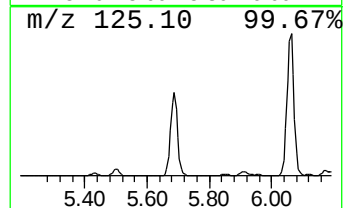
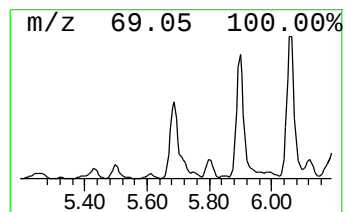
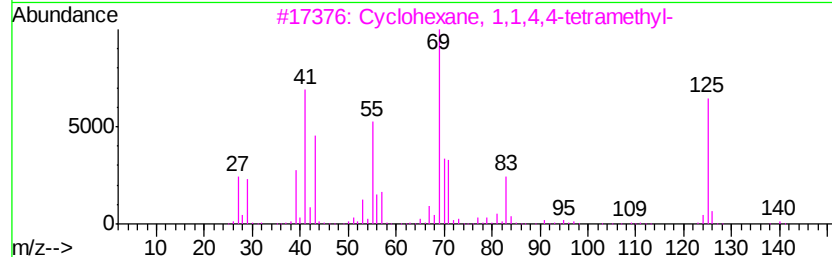
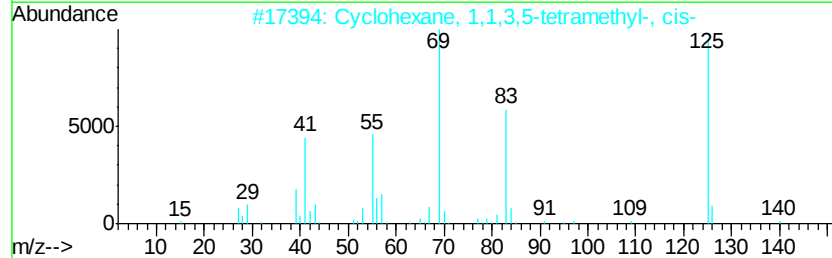
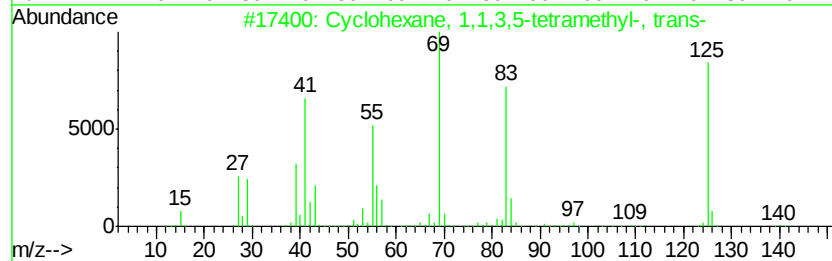
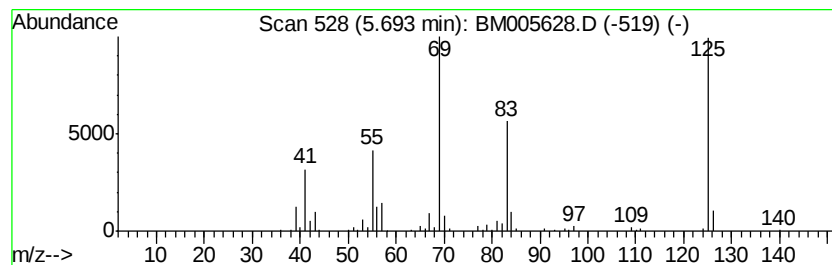
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 (DEL) Alkane: Cyclic5.69 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	14.25 ng/ul	794391	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	91
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	90
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	78
4		Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	56
5		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50



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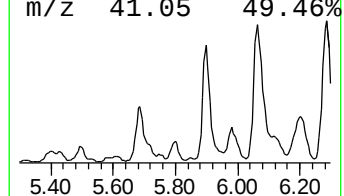
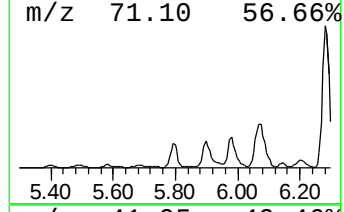
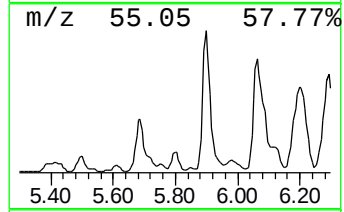
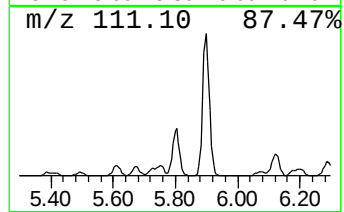
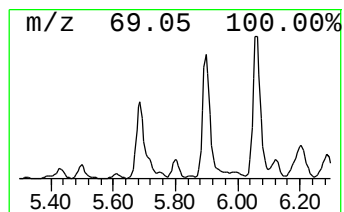
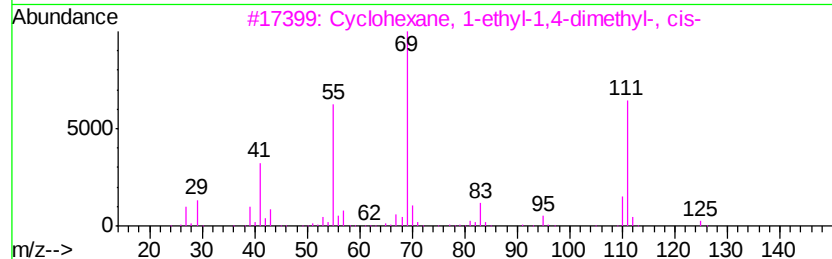
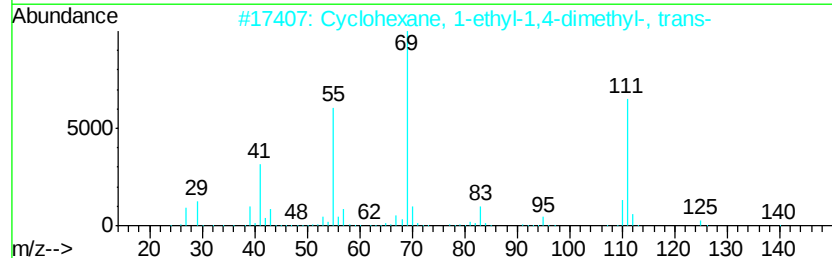
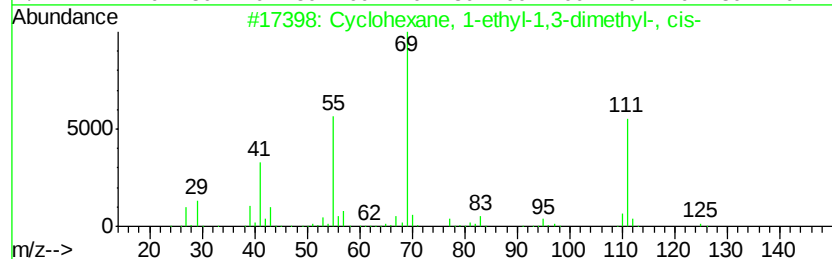
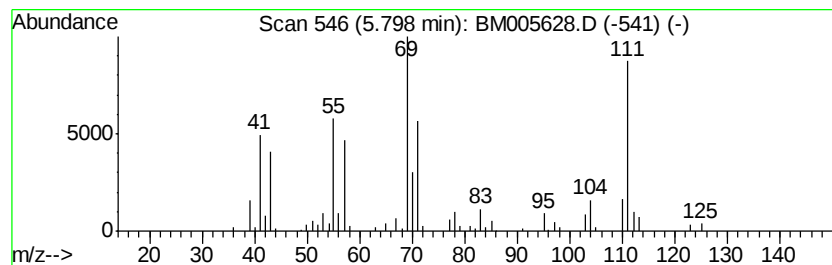
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic5.80 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	4.01 ng/ul	223735	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	59
2		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	59
3		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	59
4		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53
5		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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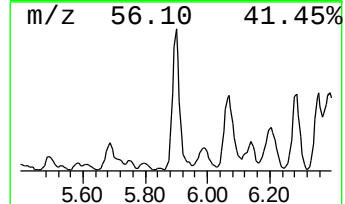
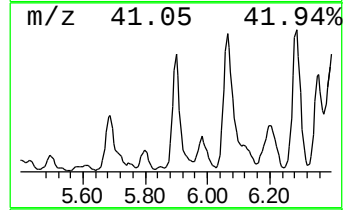
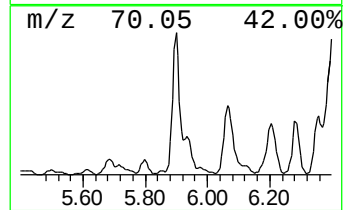
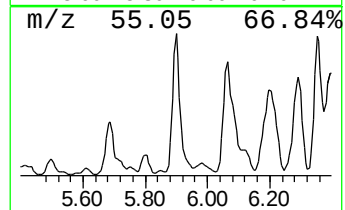
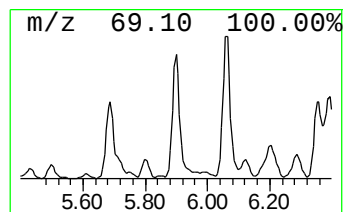
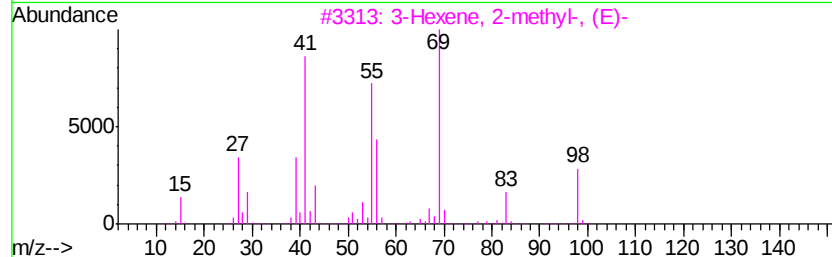
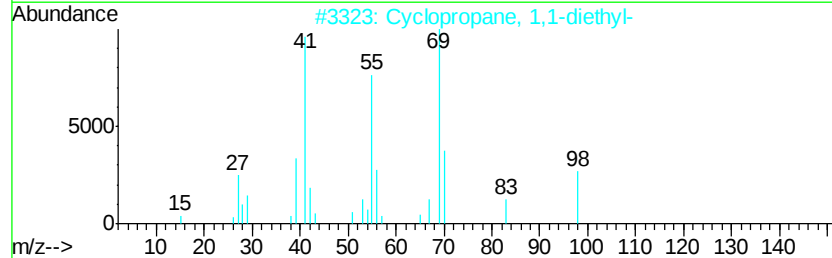
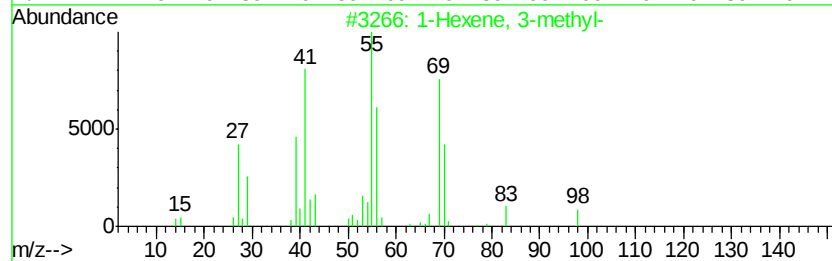
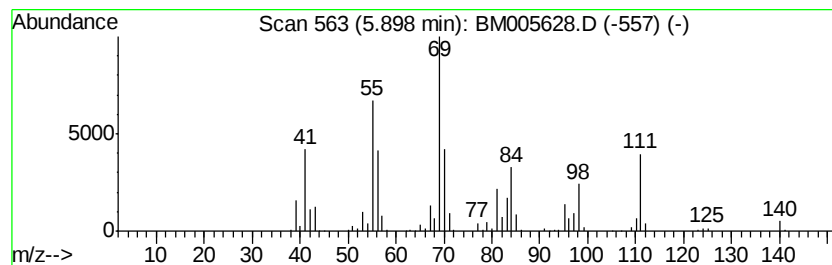
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Cyclic5.90 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	25.05 ng/ul	1396830	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	58
2		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	53
3		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
4		Cyclopentane, ethyl-	98	C7H14	001640-89-7	47
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

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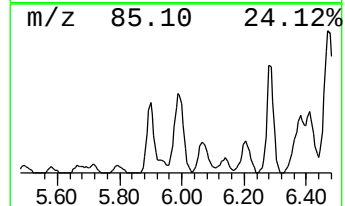
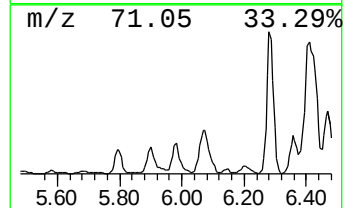
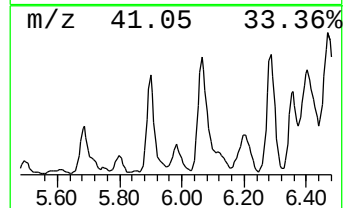
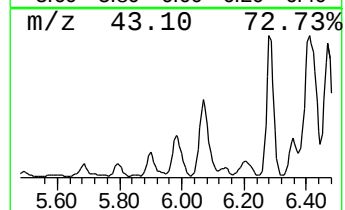
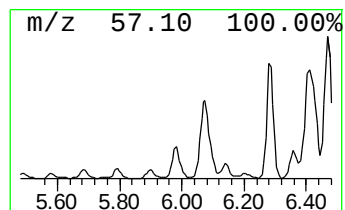
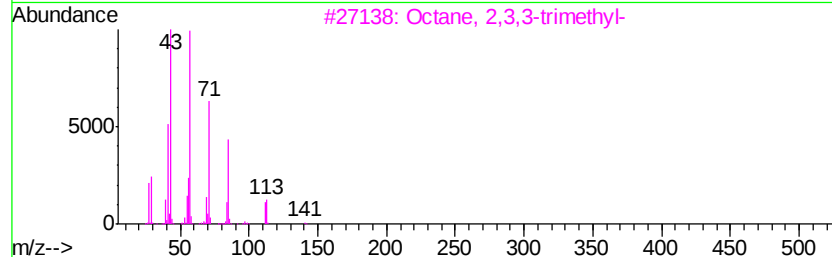
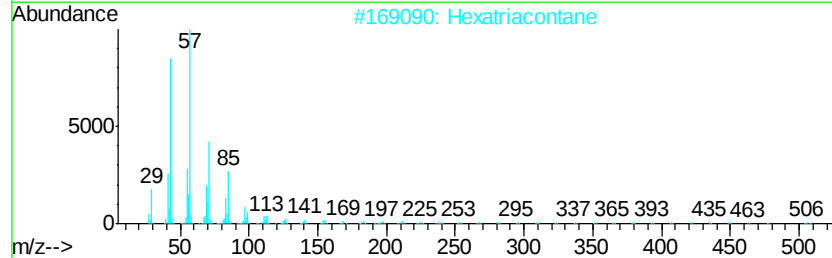
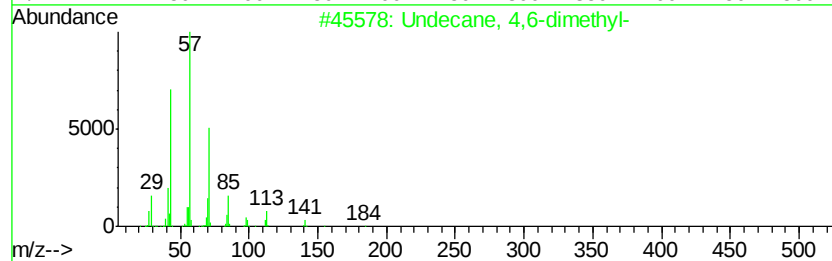
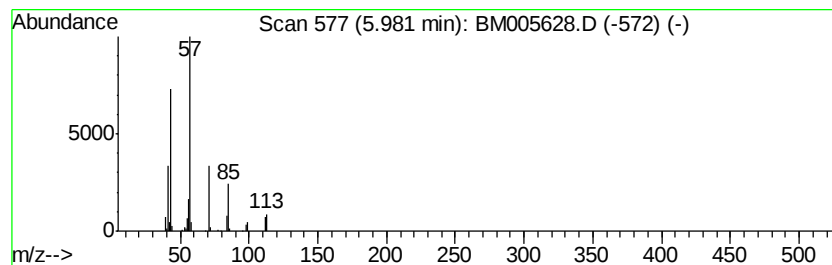
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	5.97 ng/ul	333000	1,4-Dichlorobenzene-d4	7.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72	
2	Hexatriacontane	507	C36H74	000630-06-8	72	
3	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64	
4	Pentadecane	212	C15H32	000629-62-9	64	
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	59	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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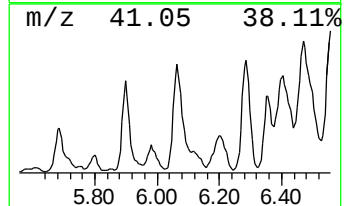
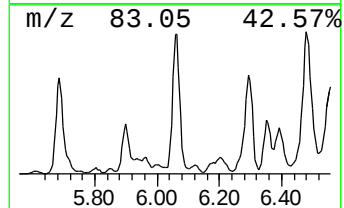
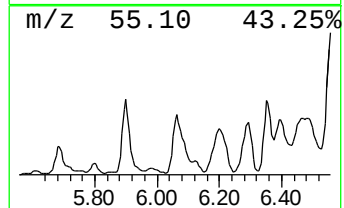
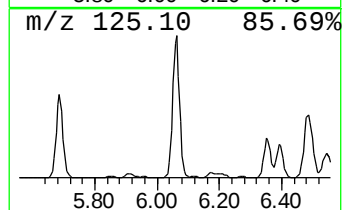
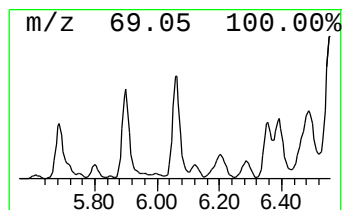
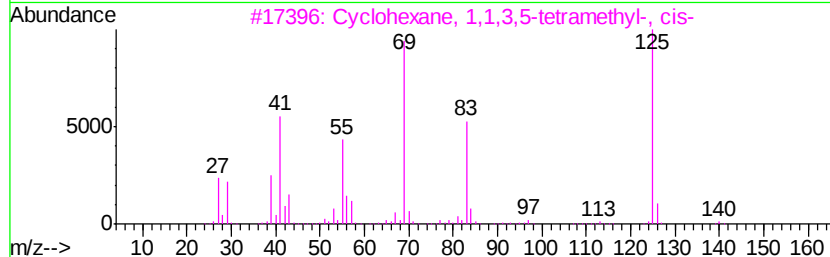
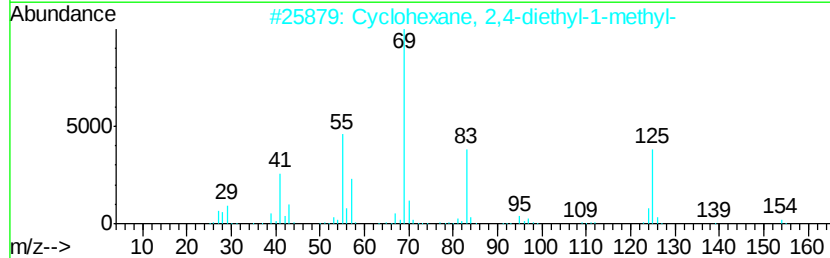
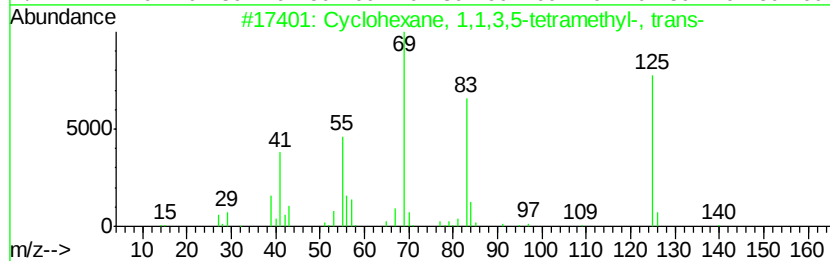
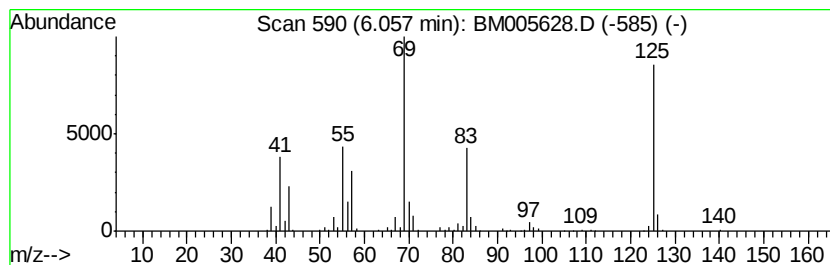
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Cyclic6.06 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	31.83 ng/ul	1774610	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	90
2		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	78
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	78
4		Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	64
5		Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	56



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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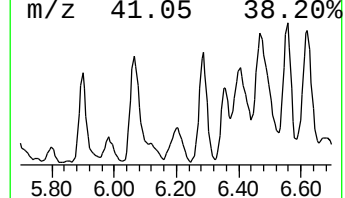
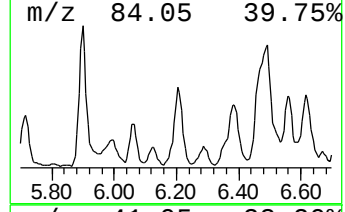
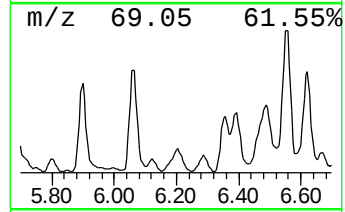
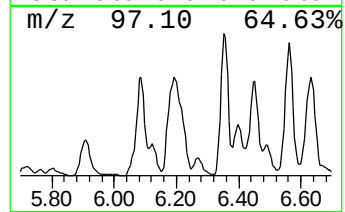
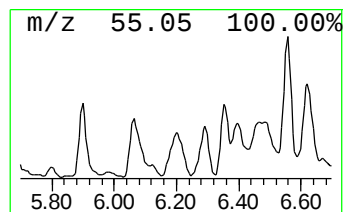
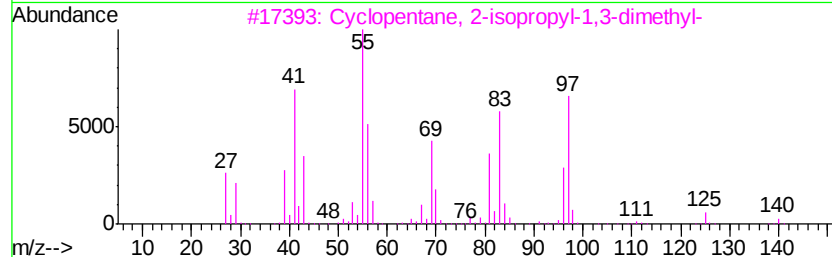
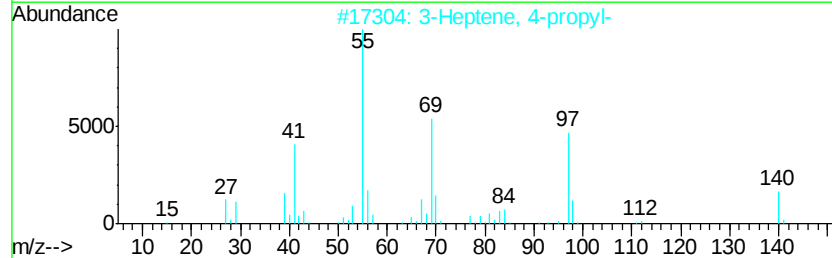
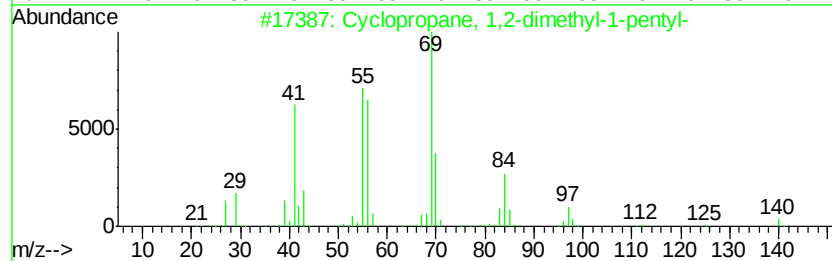
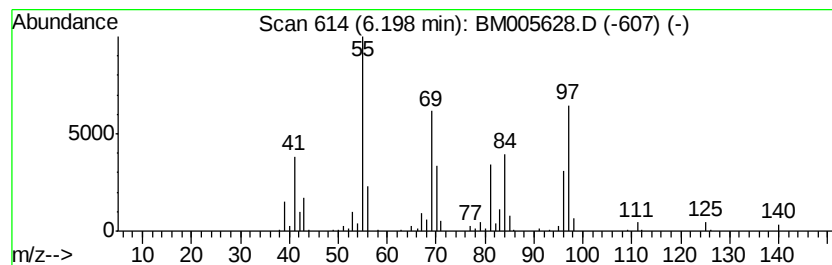
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Cyclic6.20 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	14.73 ng/ul	821100	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
2			3-Heptene, 4-propyl-	140	C10H20	004485-13-6	43
3			Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	43
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	38
5			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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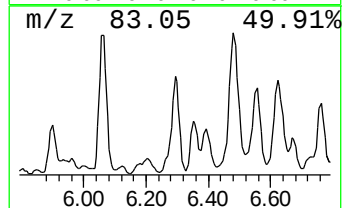
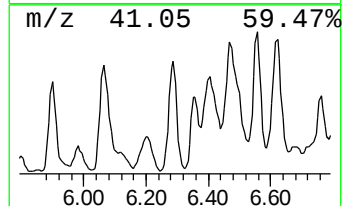
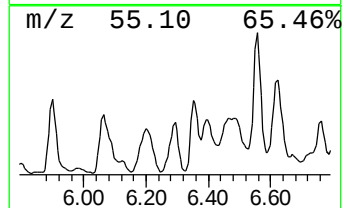
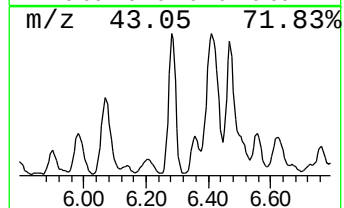
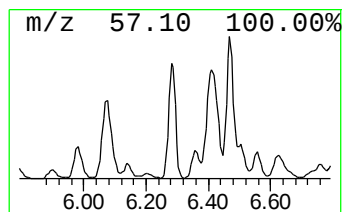
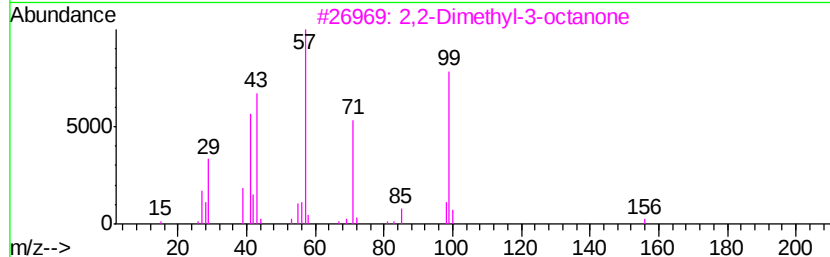
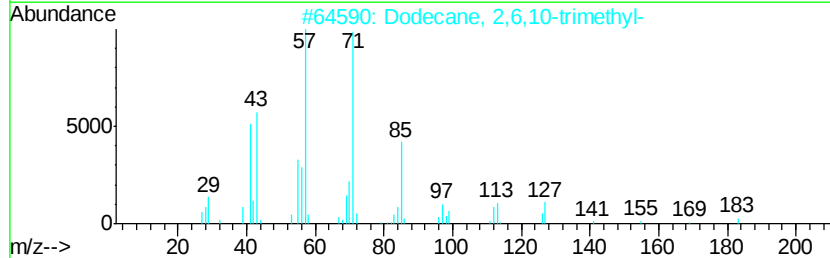
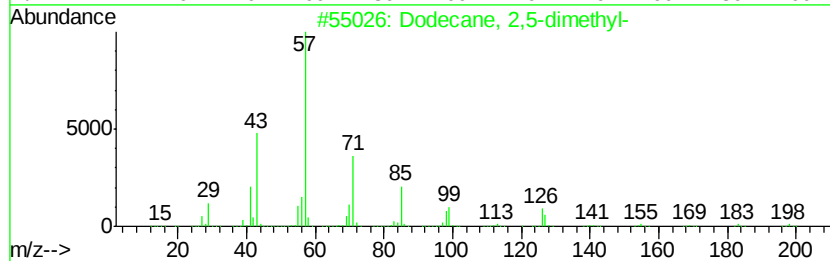
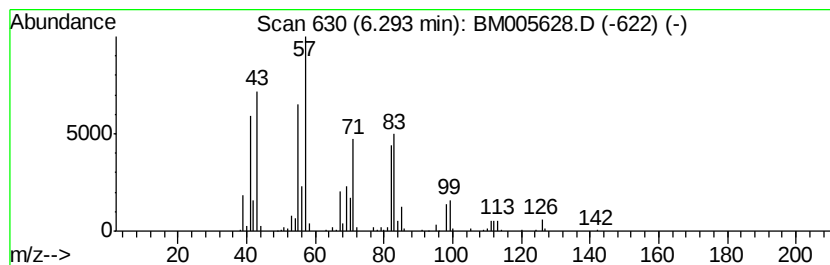
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	25.14 ng/ul	1401750	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	50
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
3		2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	43
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
5		Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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Misc :
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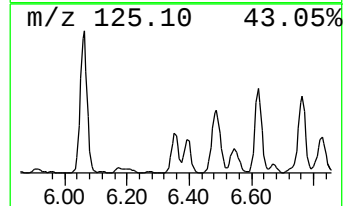
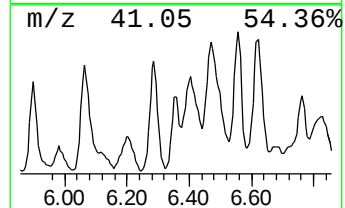
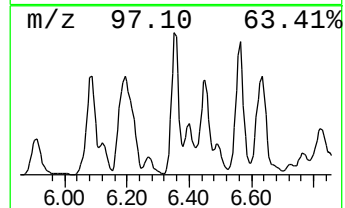
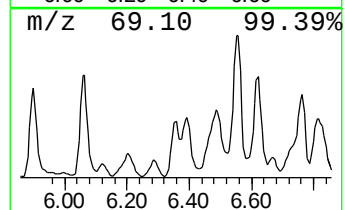
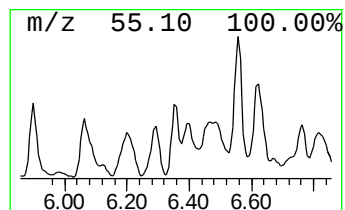
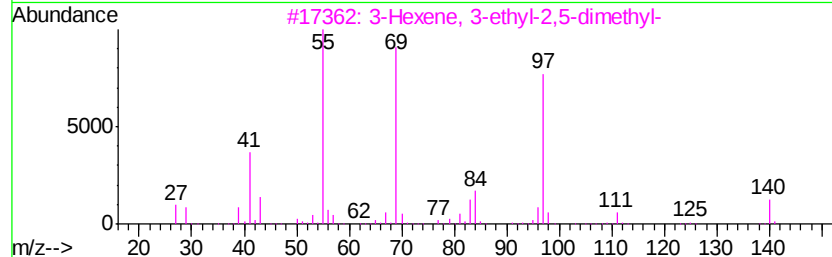
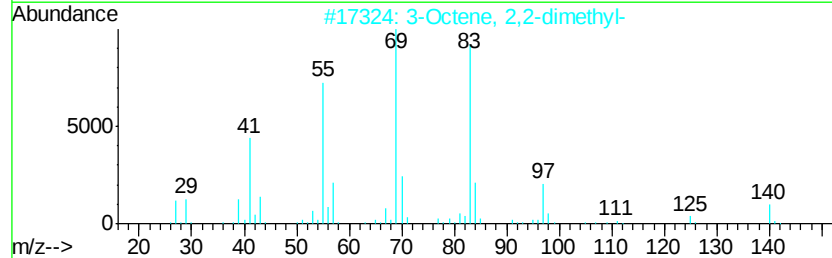
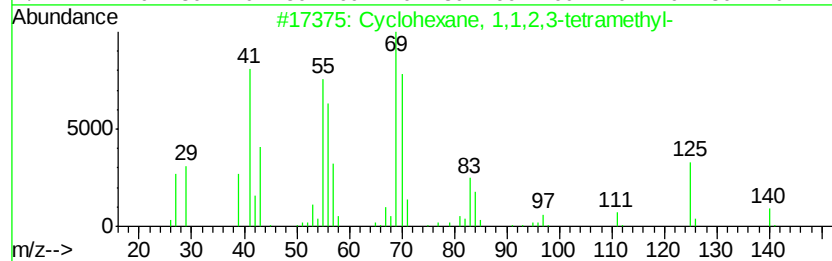
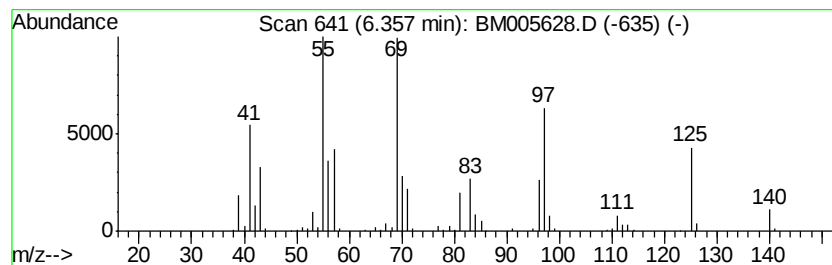
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Cyclic6.36 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	18.74 ng/ul	1044890	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	49
2		3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	46
3		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	46
4		4-Nonene, 5-methyl-	140	C10H20	015918-07-7	38
5		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	27



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Operator : UM/SJ
Sample : H3086-17RE
Misc :
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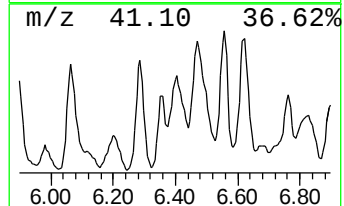
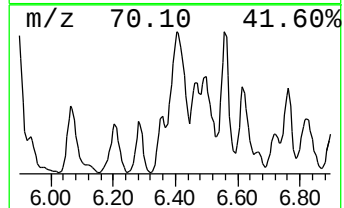
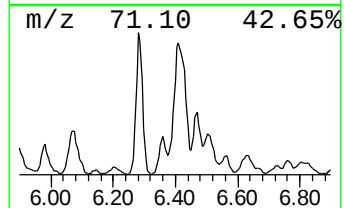
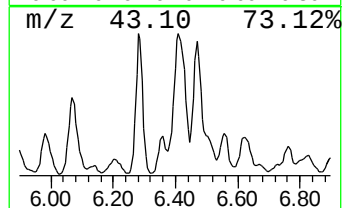
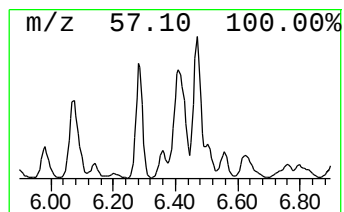
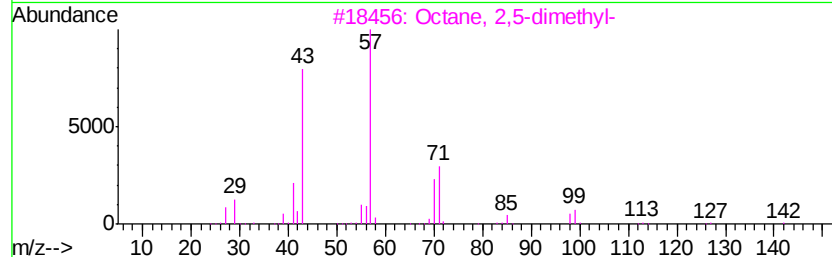
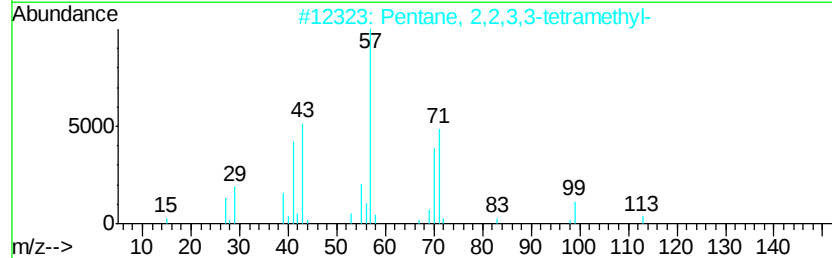
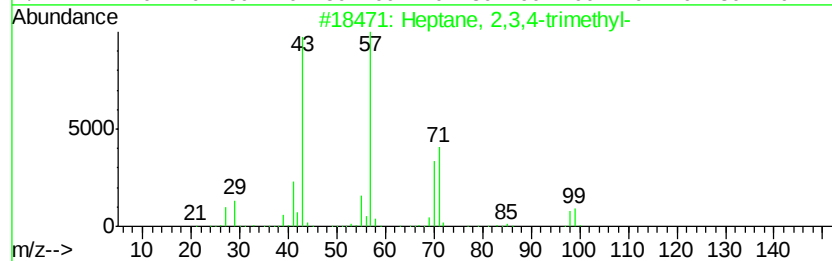
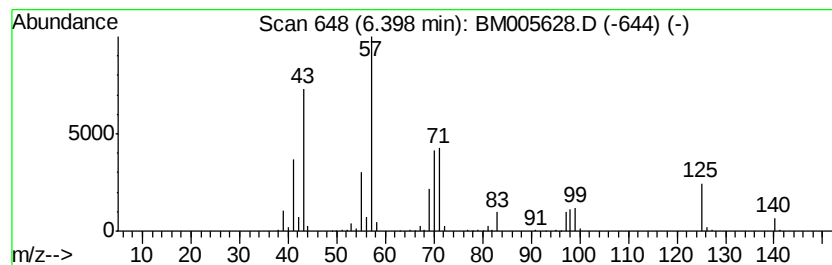
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	32.56 ng/ul	1815440	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	72
2			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	56
3			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	56
4			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	56
5			Pentane, 3-ethyl-	100	C7H16	000617-78-7	53



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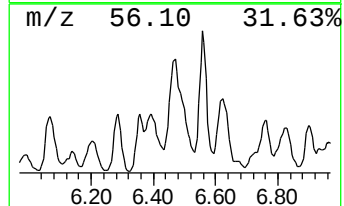
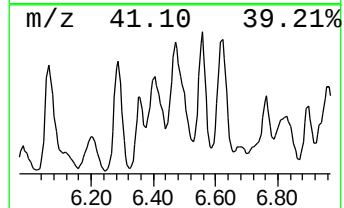
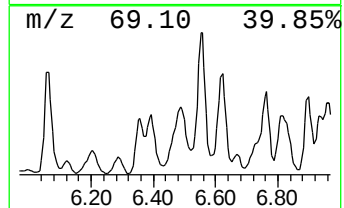
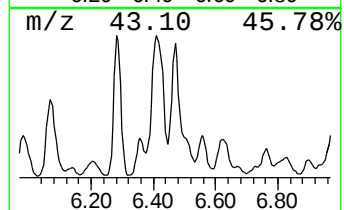
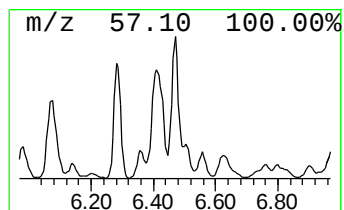
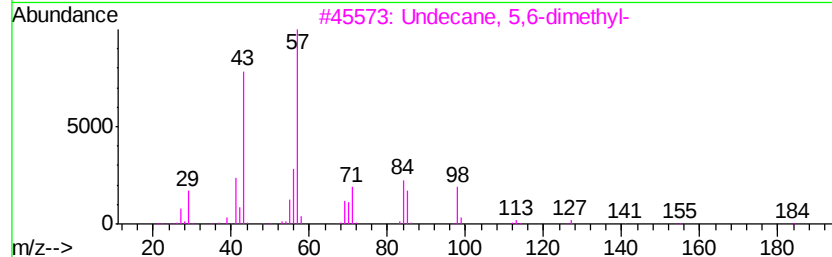
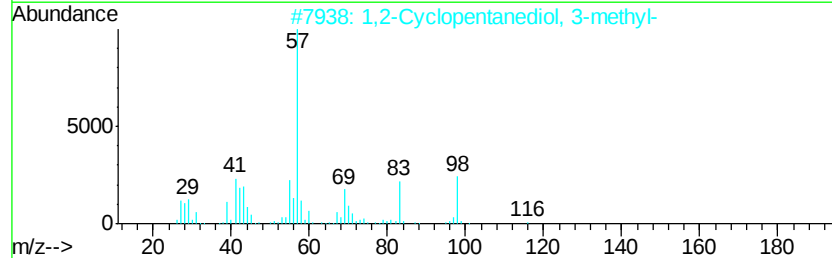
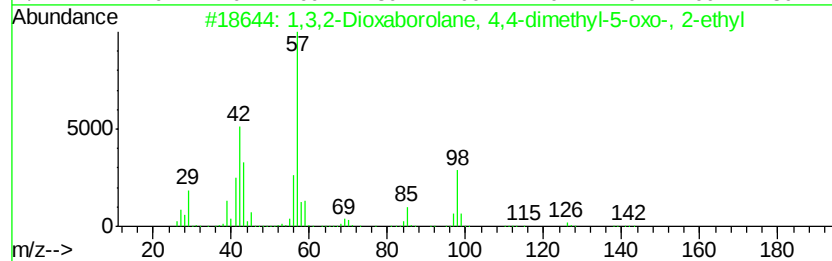
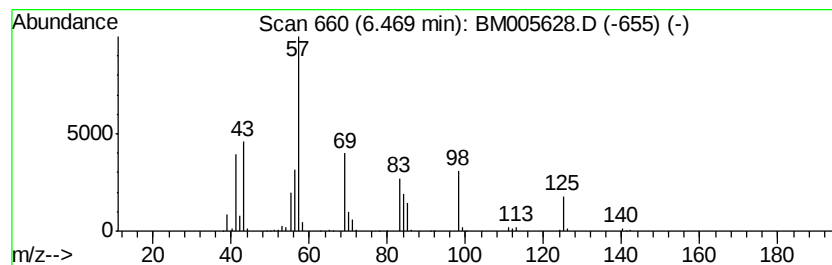
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	46.26 ng/ul	2579470	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11B03	1000063-89-2	43
2		1,2-Cyclopentanediol, 3-methyl-	116	C6H12O2	027583-37-5	40
3		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	38
4		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	38
5		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	37



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 03:05
Operator : UM/SJ
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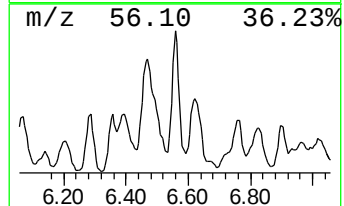
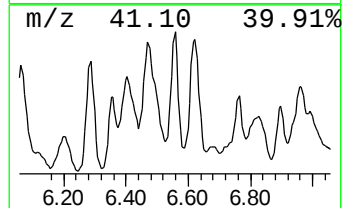
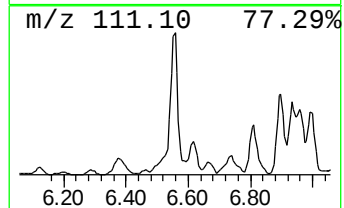
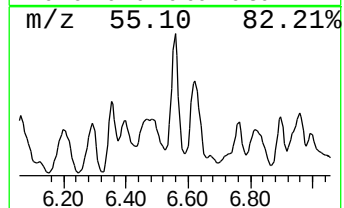
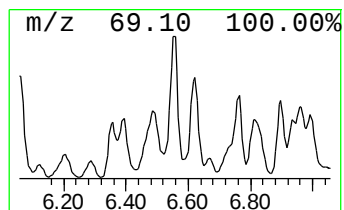
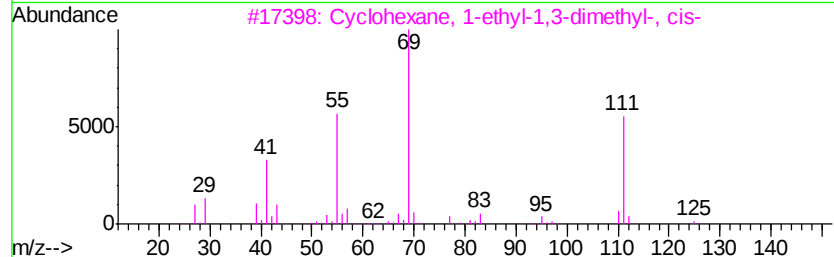
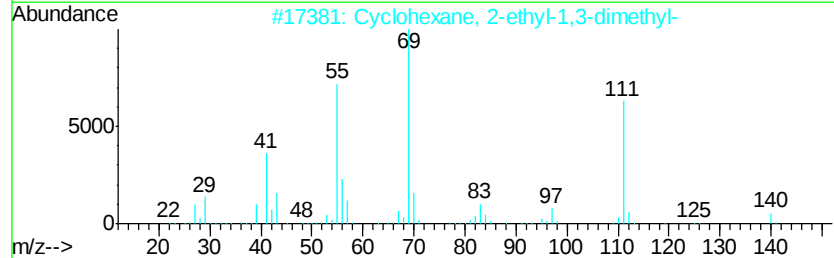
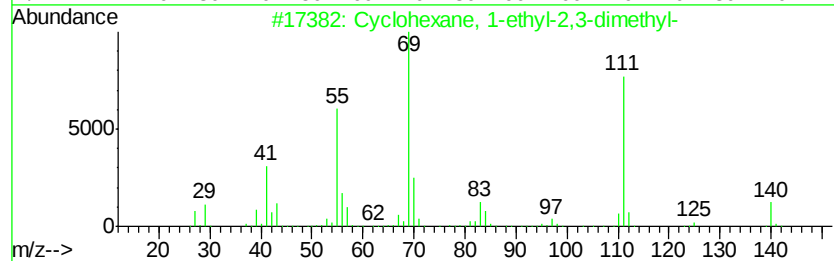
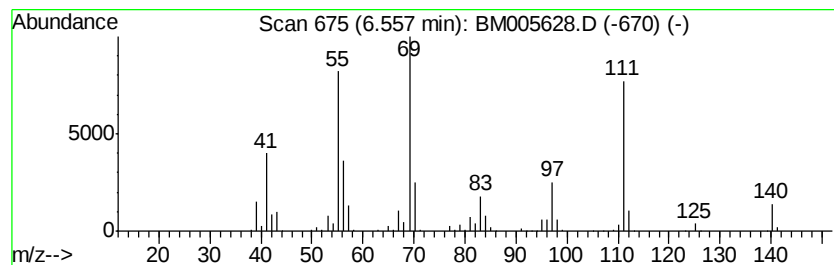
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Cyclic6.56 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	30.84 ng/ul	1719650	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
2		Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	80
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	59
4		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	58
5		3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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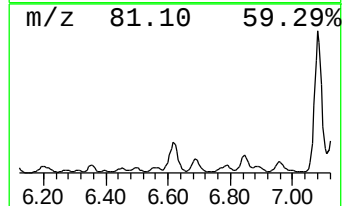
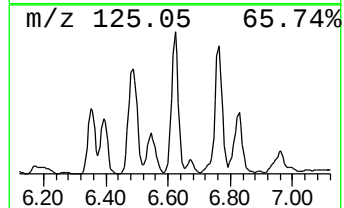
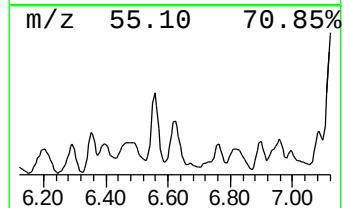
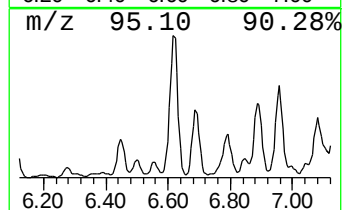
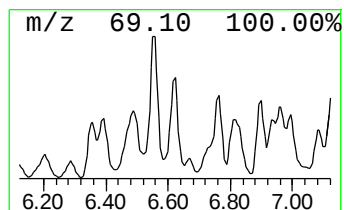
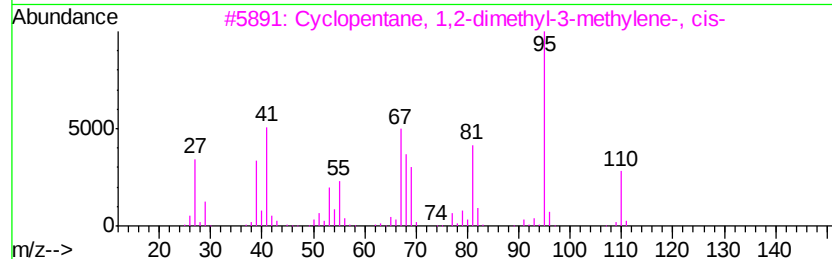
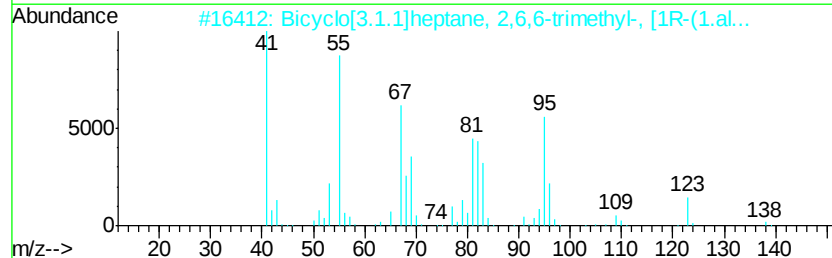
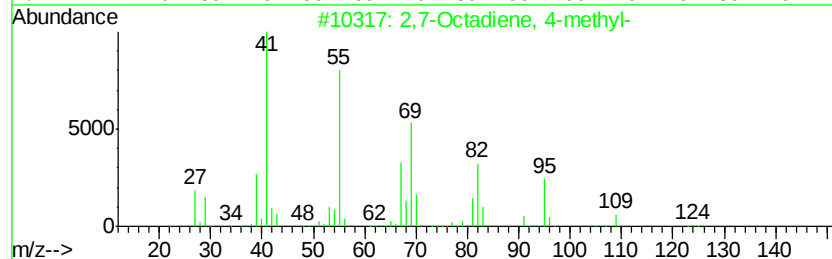
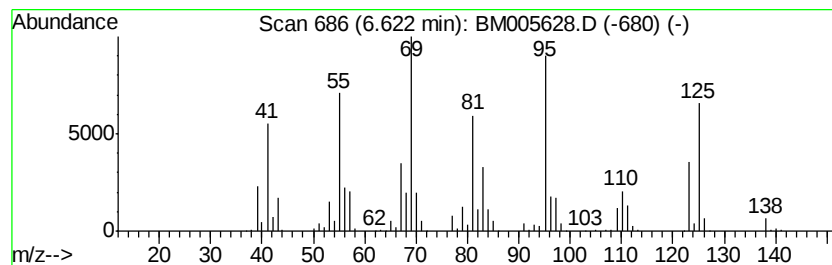
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 (DEL) Alkane: Branched6.62 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	39.09 ng/ul	2179620	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,7-Octadiene, 4-methyl-	124	C9H16	1000061-78-0	60
2		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	43
3		Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	41
4		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	38
5		Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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ClientSampleId :
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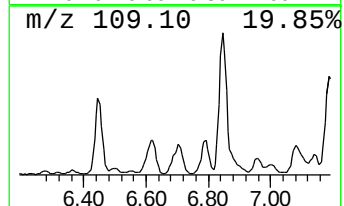
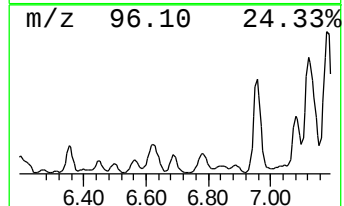
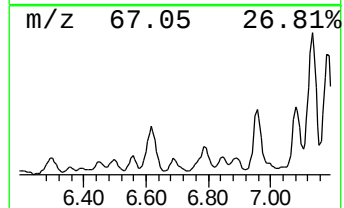
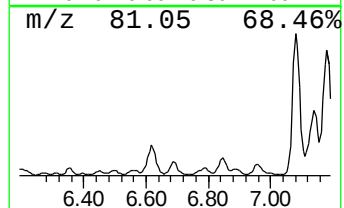
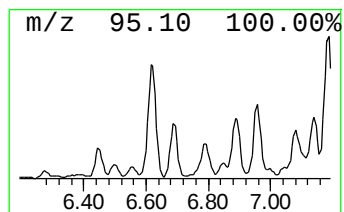
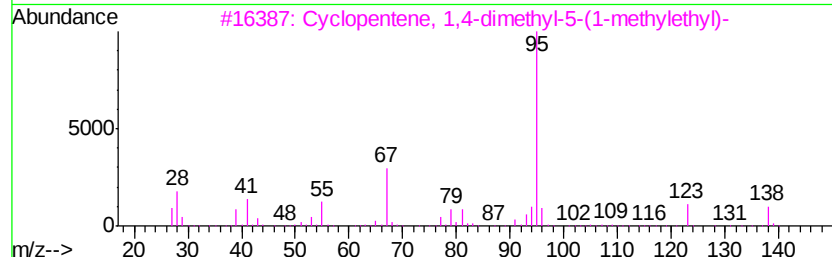
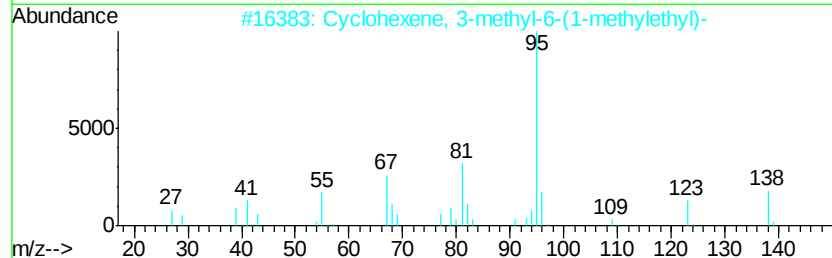
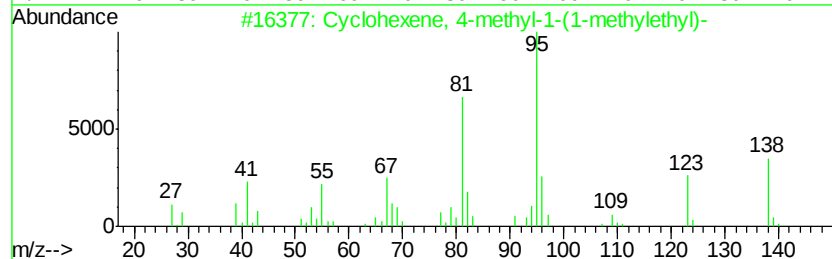
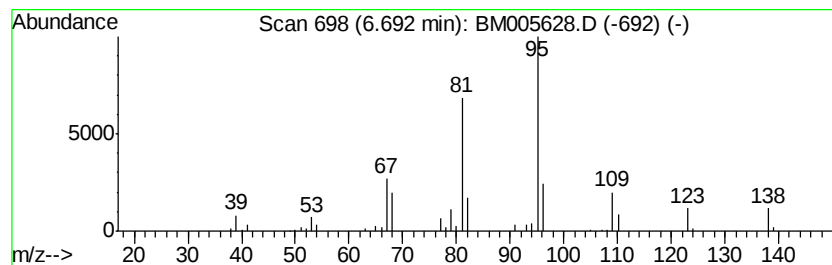
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Branched6.69 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	4.44 ng/ul	247499	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	80
2		Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	64
3		Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	62
4		2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	60
5		Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 03:05
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Misc :
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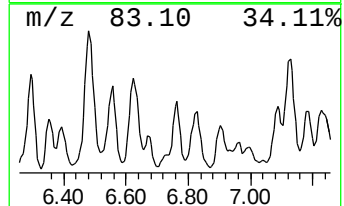
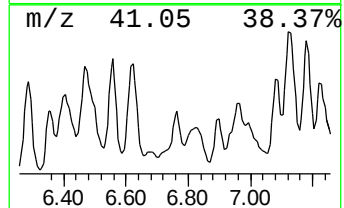
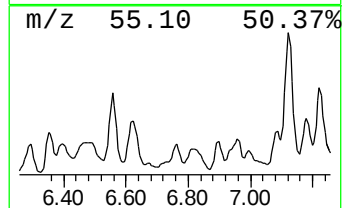
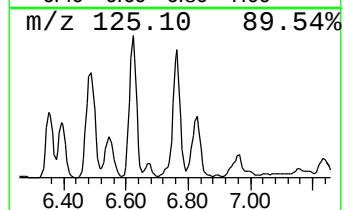
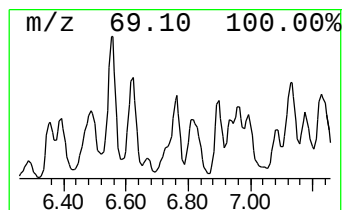
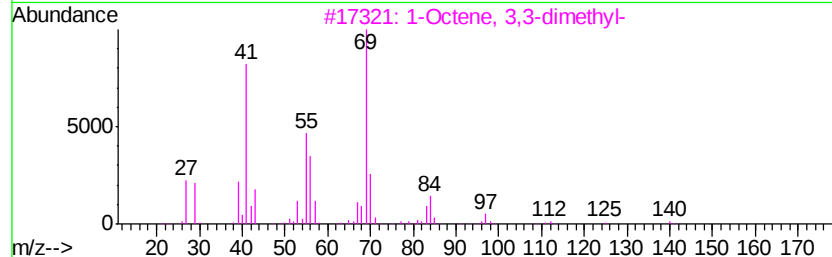
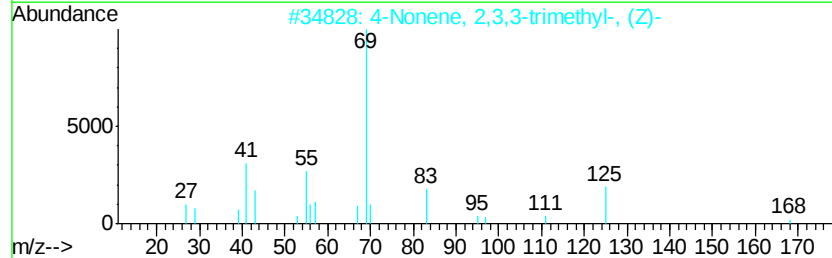
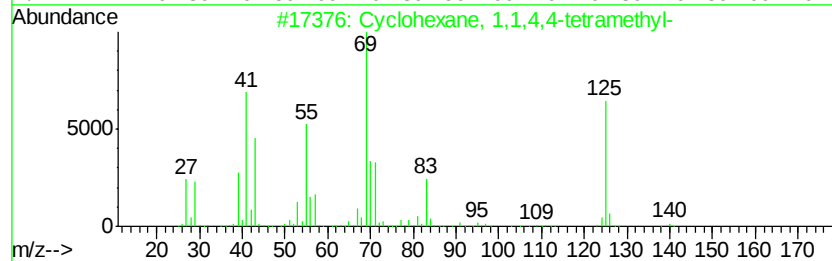
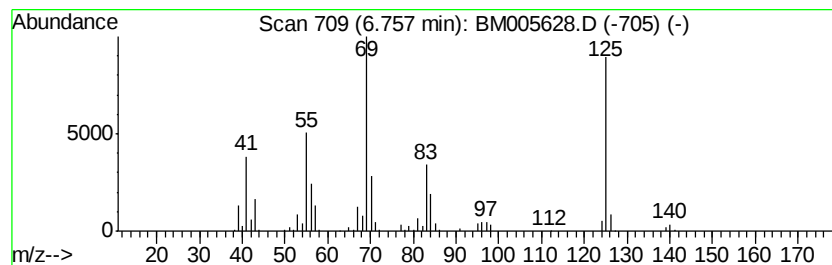
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Cyclic6.76 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	11.68 ng/ul	651476	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	87
2			4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	59
3			1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	53
4			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	50
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	45



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
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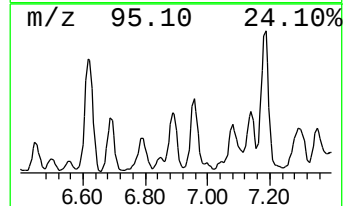
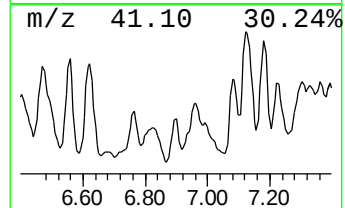
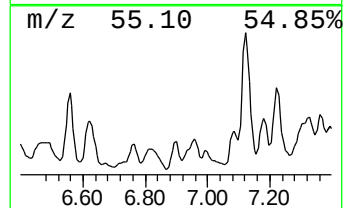
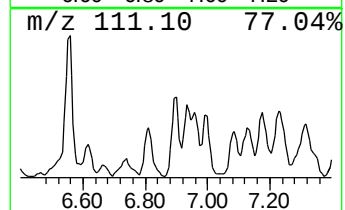
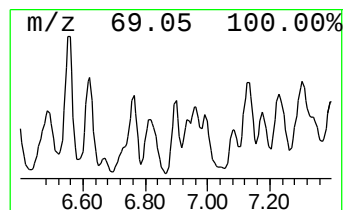
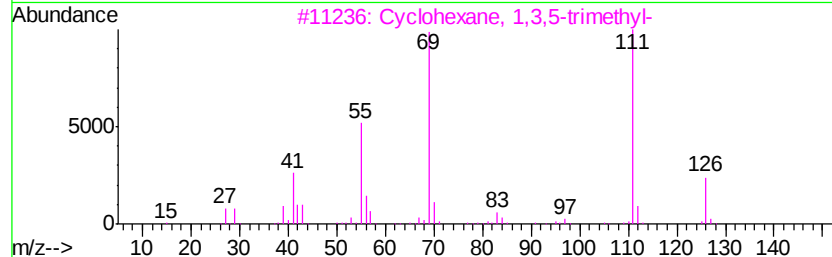
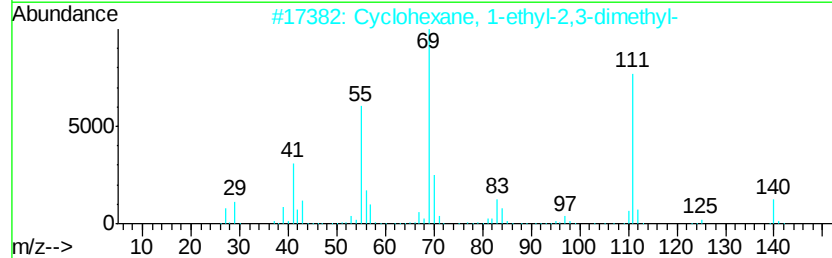
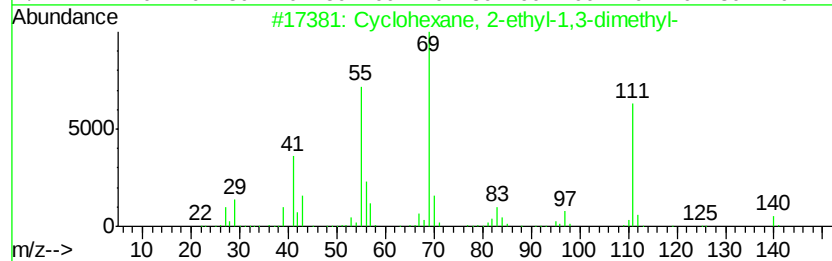
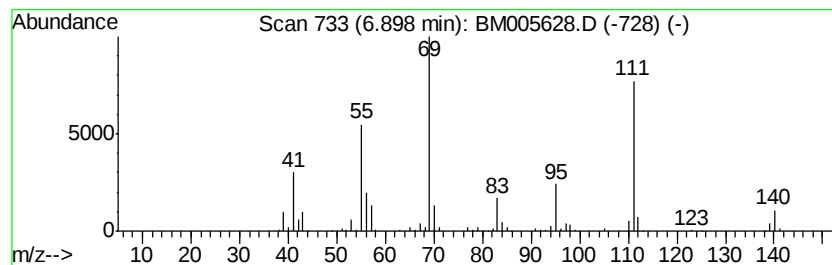
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Cyclic6.90 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	14.03 ng/ul	782429	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	87
2			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4			2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	59
5			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	59



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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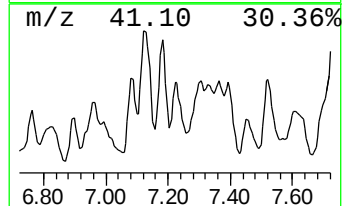
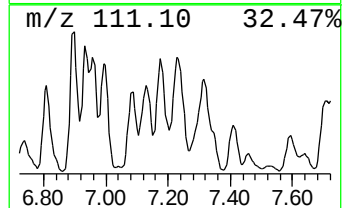
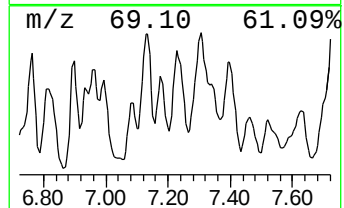
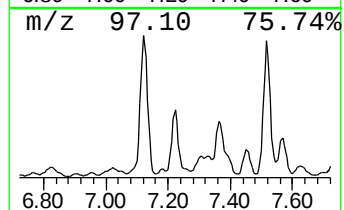
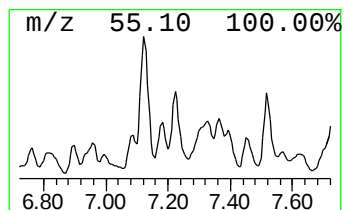
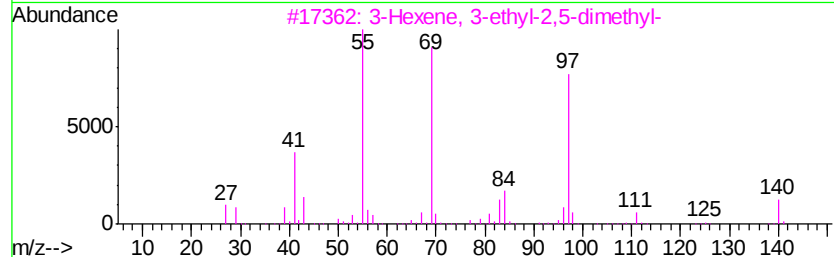
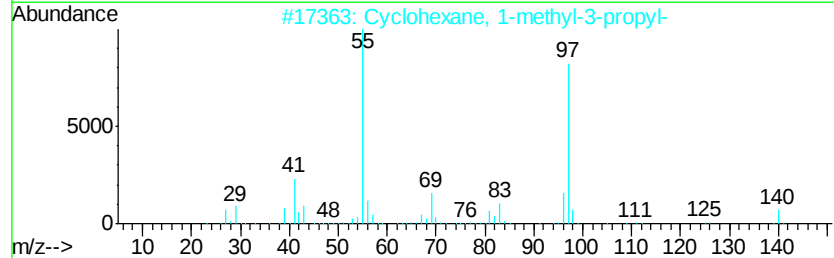
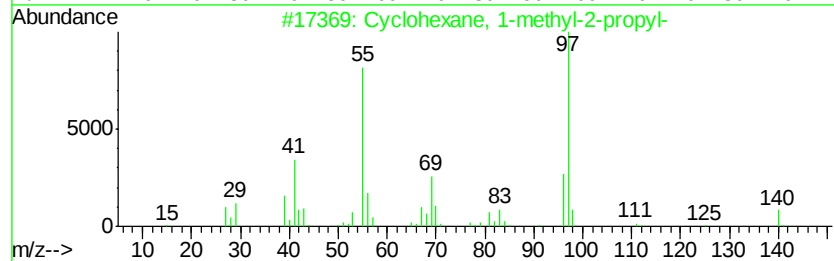
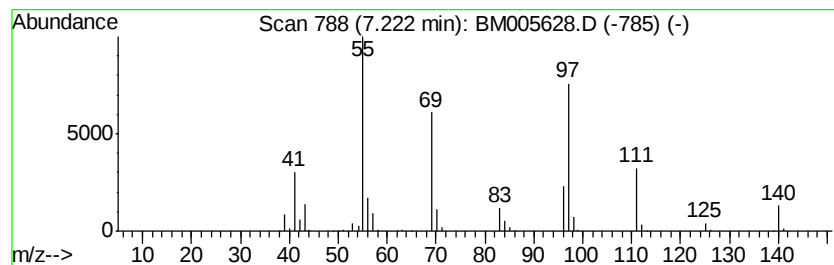
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Cyclic7.22 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	15.49 ng/ul	863443	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
2			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
3			3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	64
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	53
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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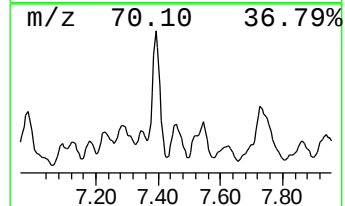
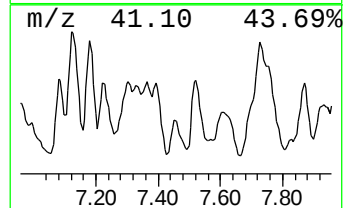
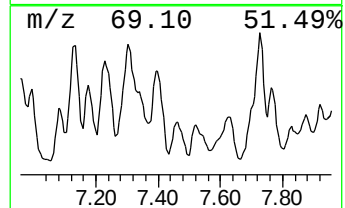
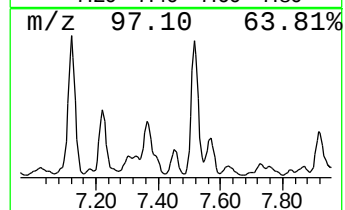
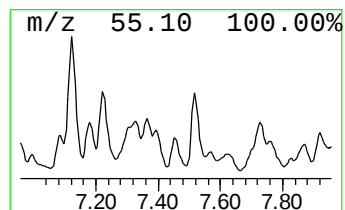
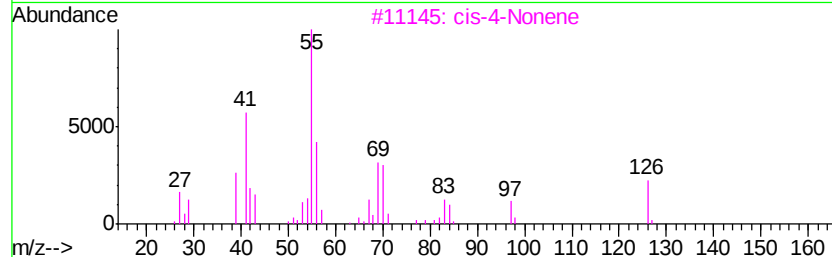
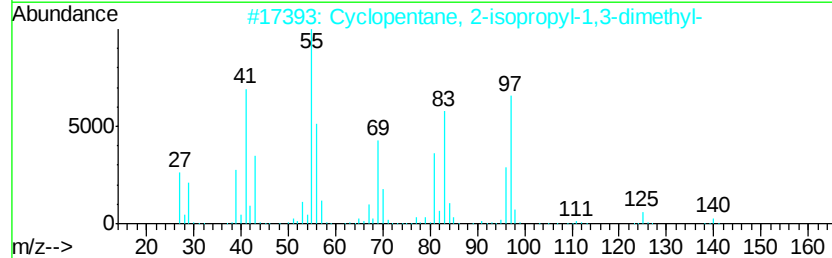
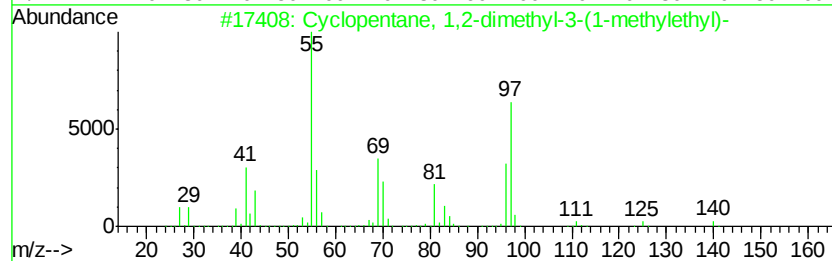
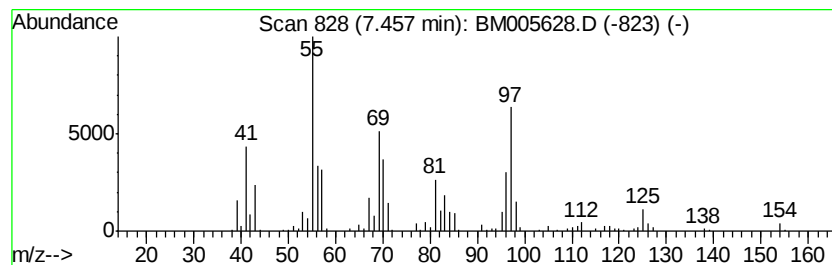
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Cyclic7.46 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	15.54 ng/ul	866182	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	64
2		Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	50
3		cis-4-Nonene	126	C9H18	010405-84-2	43
4		3-Heptene, 4-propyl-	140	C10H20	004485-13-6	43
5		2-n-Propylthiolane, S,S-dioxide	162	C7H14O2S	071053-02-6	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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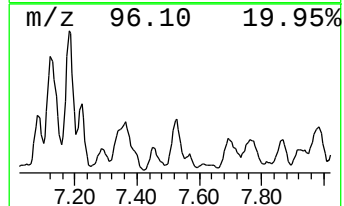
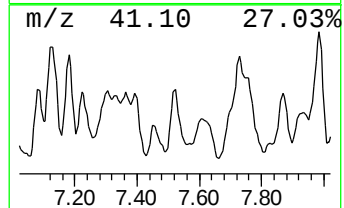
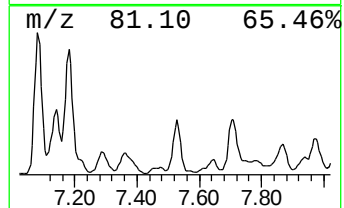
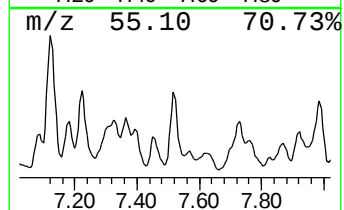
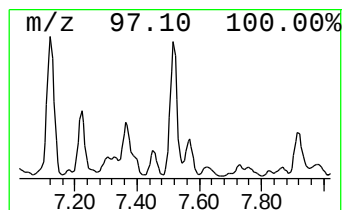
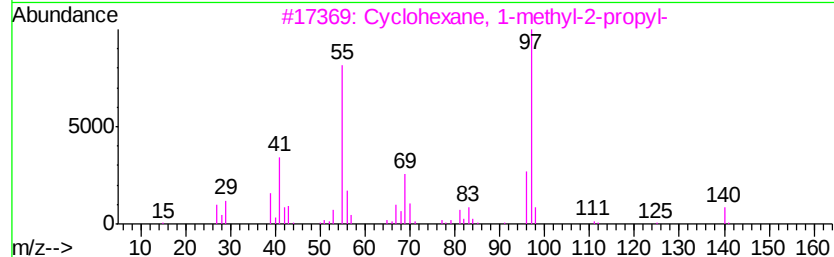
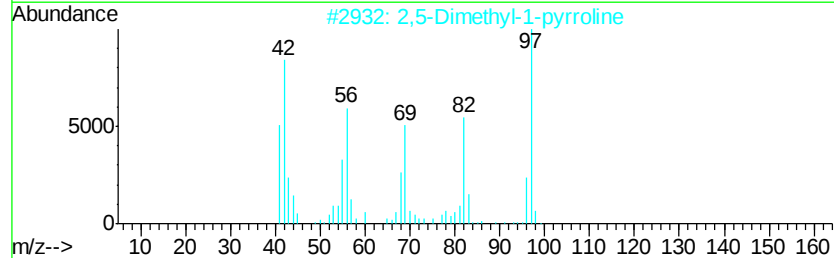
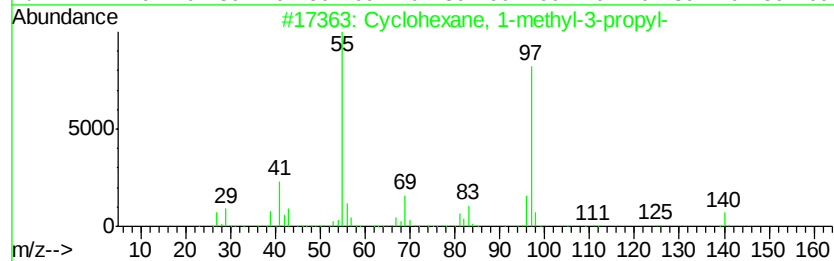
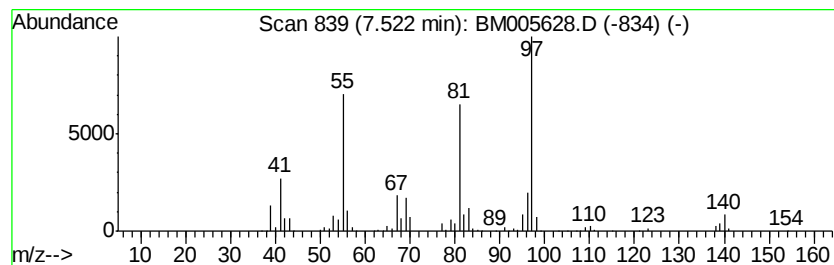
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Cyclic7.52 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	31.40 ng/ul	1750790	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	83
2		2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	72
3		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
4		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
5		trans-2-Oxabicyclo[4.4.0]decane	140	C9H16O	059958-46-2	59



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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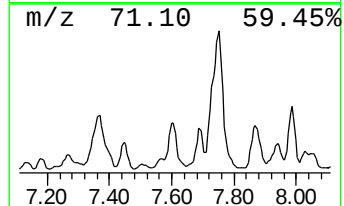
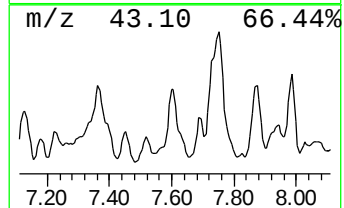
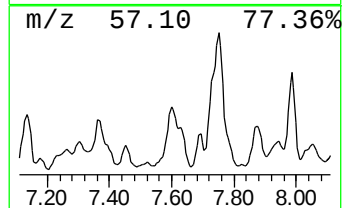
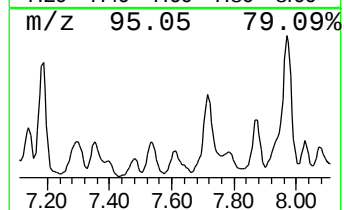
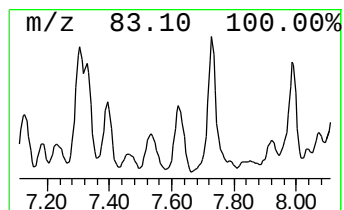
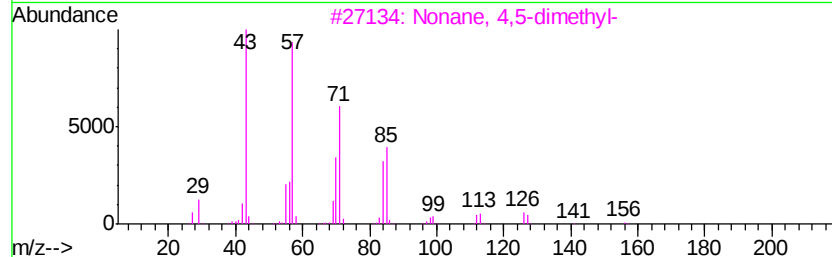
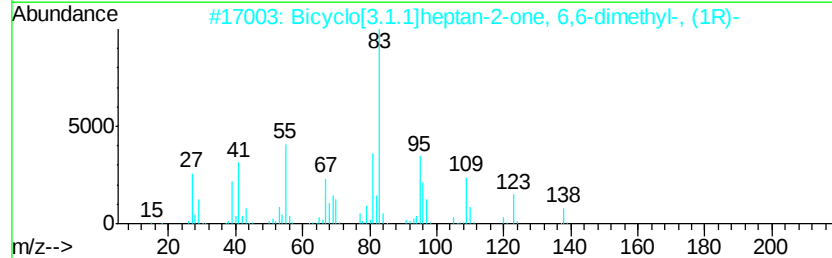
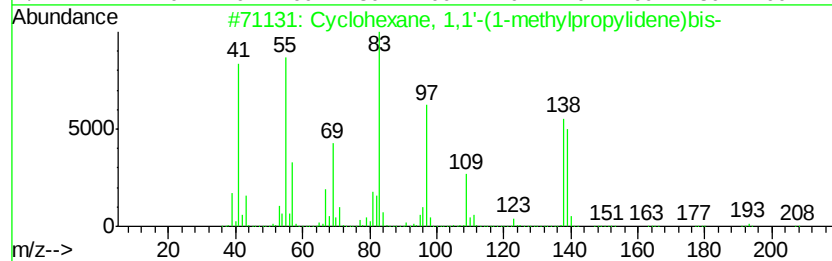
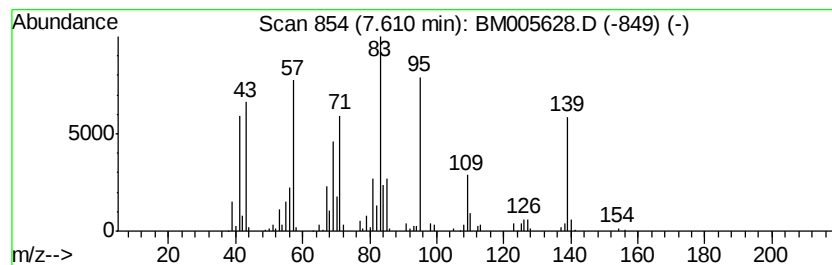
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Branched7.61 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	24.48 ng/ul	1364930	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1'-(1-methylpropy...	222	C16H30	054890-02-7	35
2		Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	35
3		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	25
4		Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	22
5		Cyclohexanol, 3,3-dimethyl-	128	C8H16O	000767-12-4	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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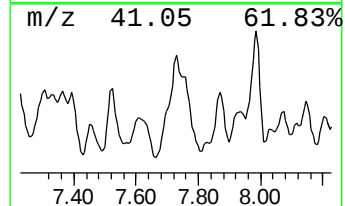
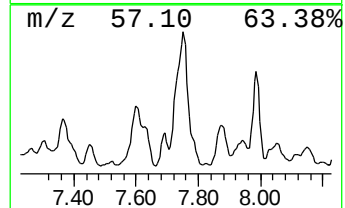
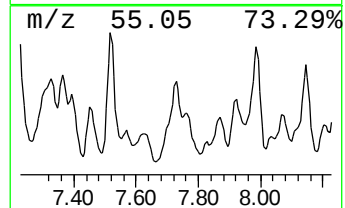
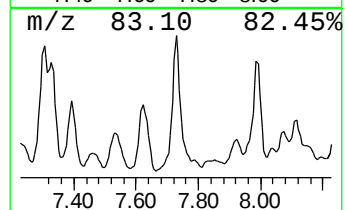
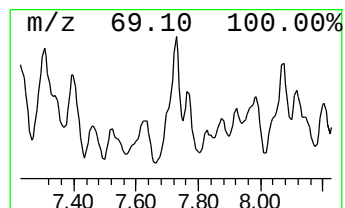
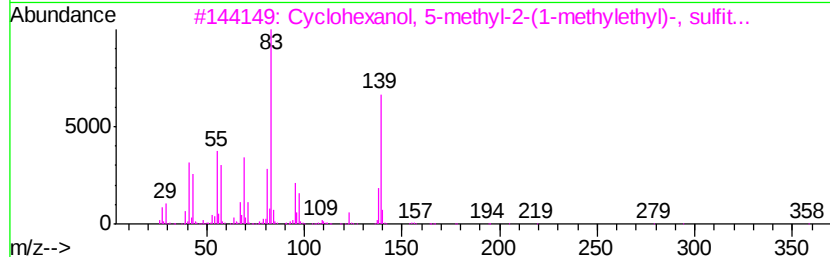
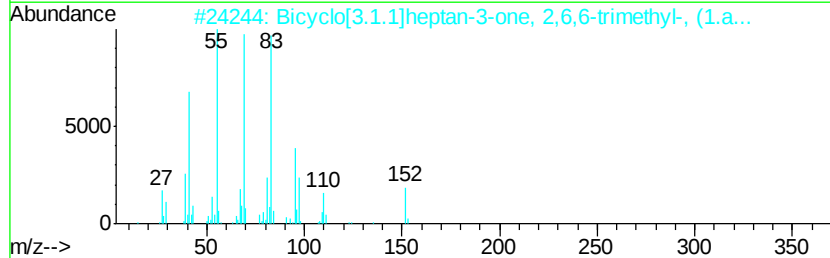
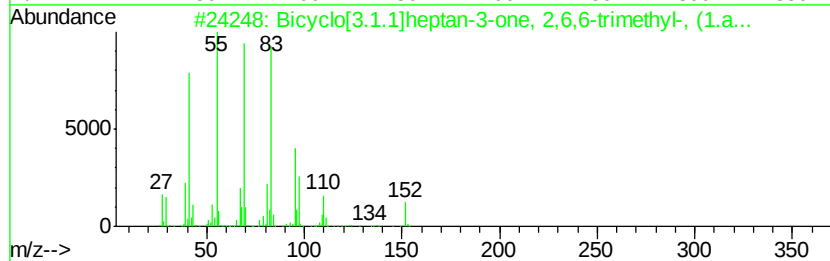
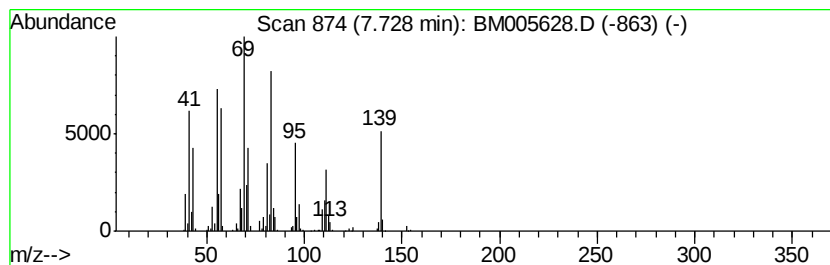
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	62.11 ng/ul	3463110	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	58
2		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	38
3		Cyclohexanol, 5-methyl-2-(1-meth...	358	C20H38O3S	026510-92-9	35
4		3-Heptene, 2,2,3,5,5,6,6-heptame...	196	C14H28	054845-26-0	35
5		3-Heptene, 2,2,3,5,5,6,6-heptame...	196	C14H28	054845-26-0	27



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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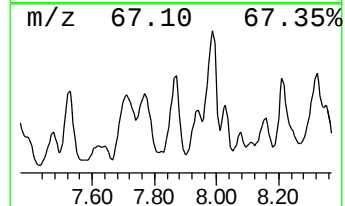
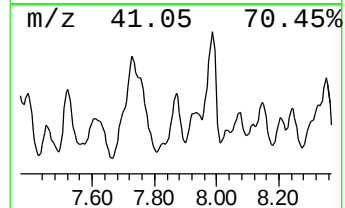
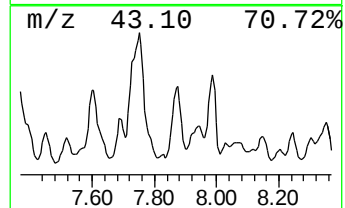
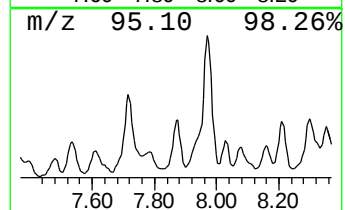
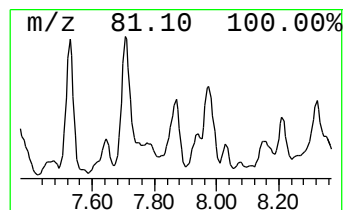
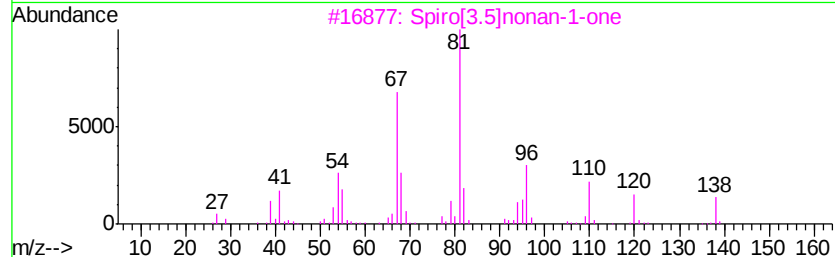
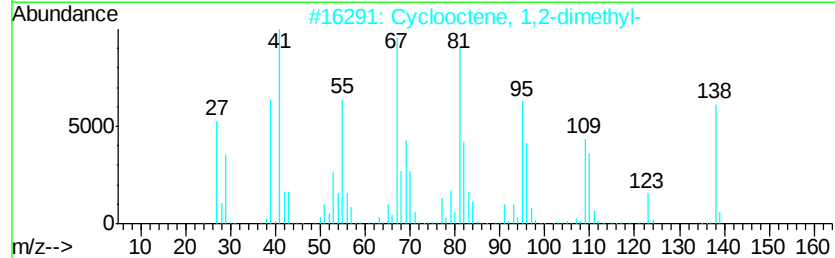
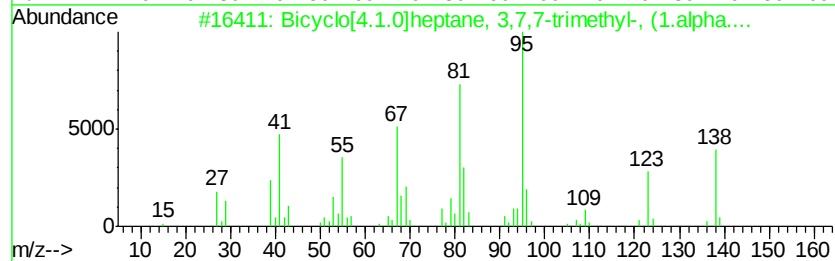
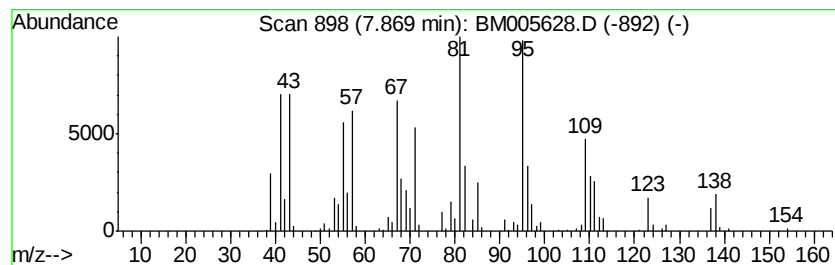
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Branched7.87 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	22.47 ng/ul	1252850	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	60
2		Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	53
3		Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	50
4		4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	50
5		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
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ClientSampleId :
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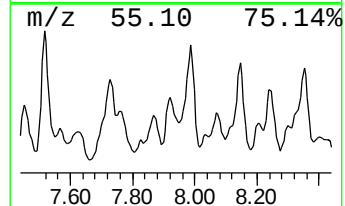
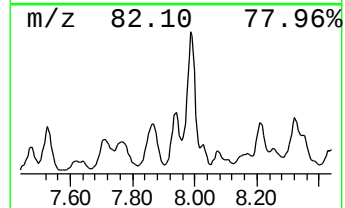
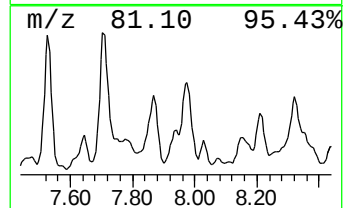
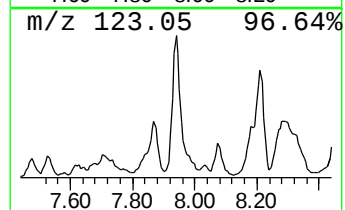
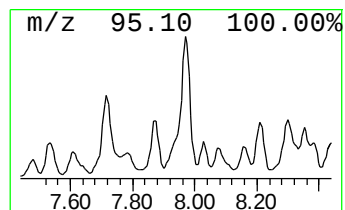
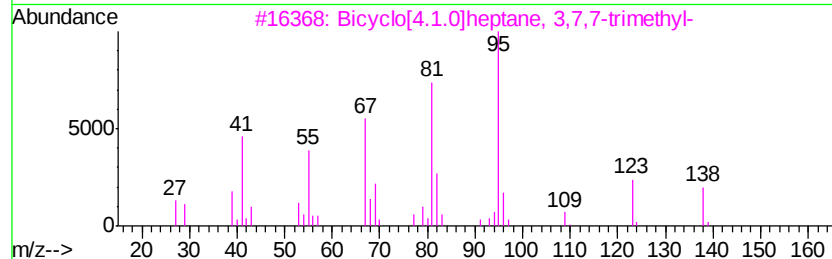
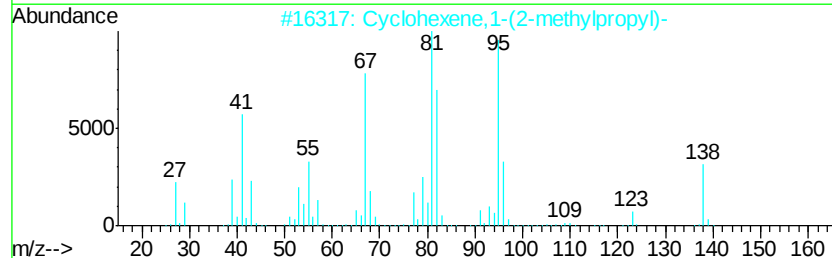
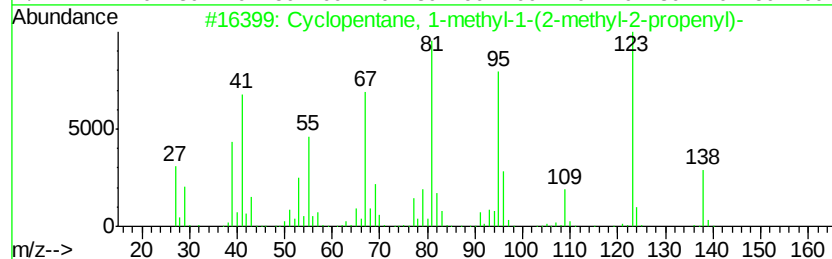
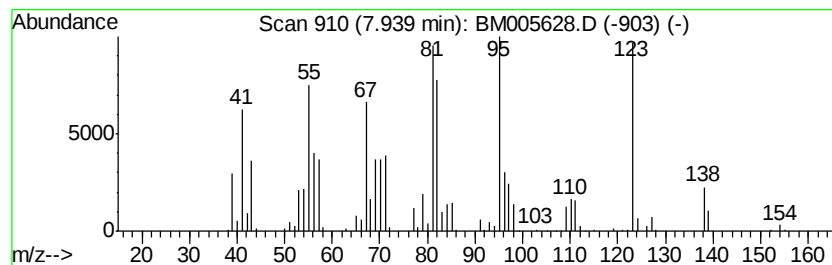
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 (DEL) Alkane: Branched7.94 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	20.20 ng/ul	1126370	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	70
2		Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	49
3		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	43
4		3-Menthene	138	C10H18	1000118-83-1	43
5		Cyclodecene	138	C10H18	003618-12-0	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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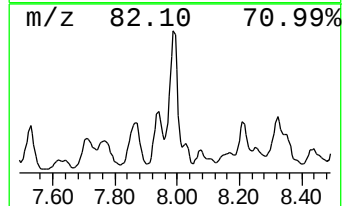
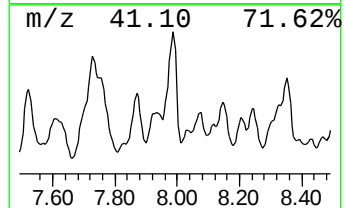
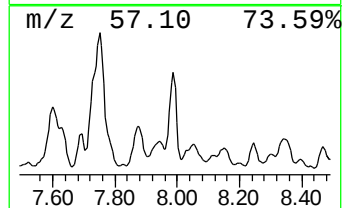
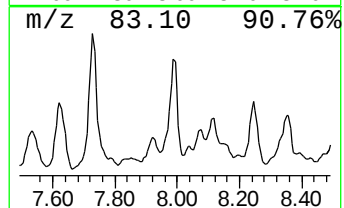
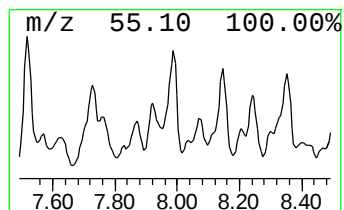
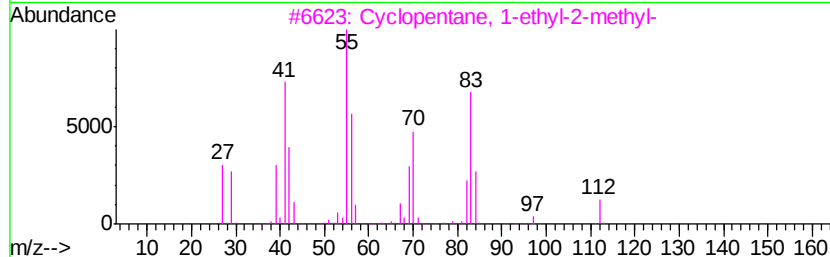
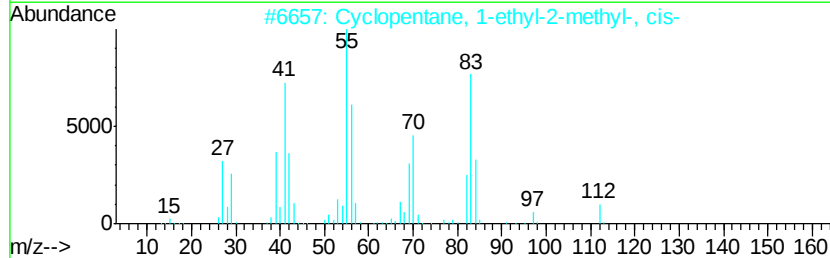
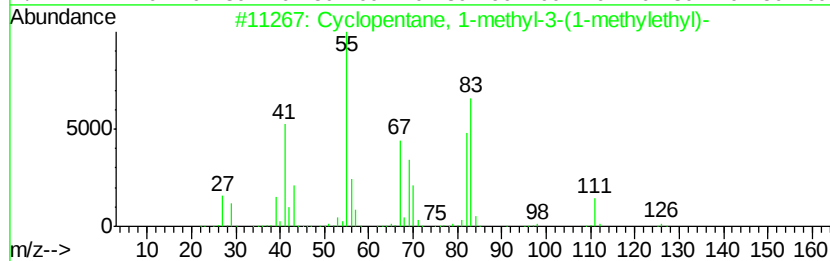
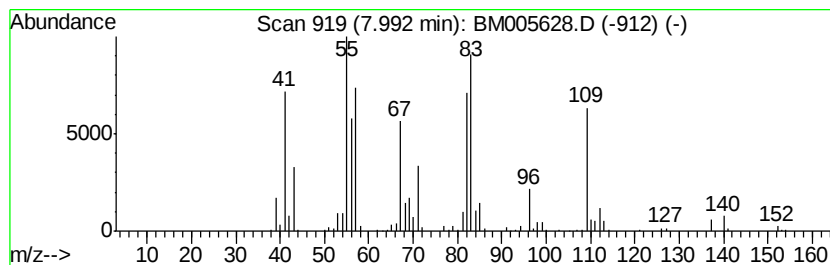
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 (DEL) Alkane: Cyclic7.99 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	46.50 ng/ul	2592360	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	49
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
3			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	43
4			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleID :
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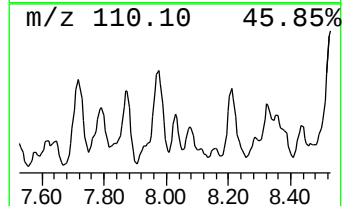
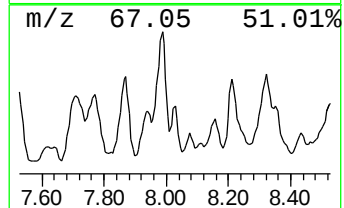
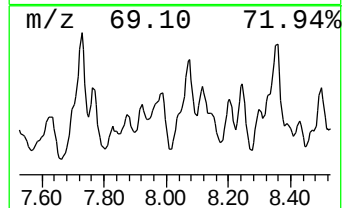
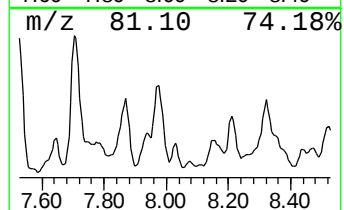
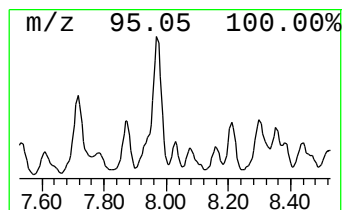
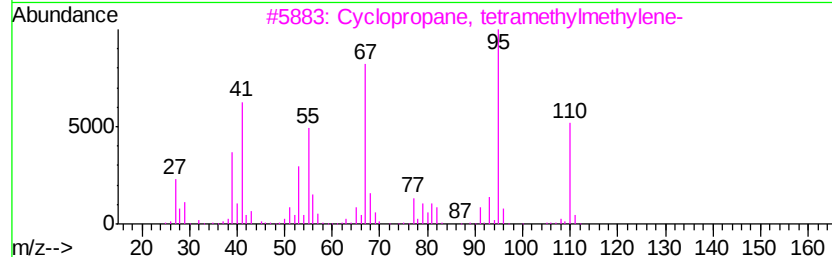
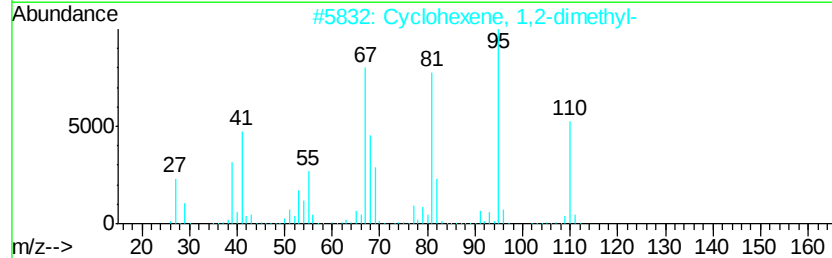
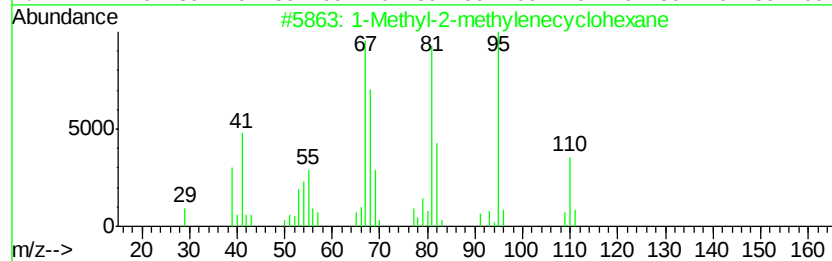
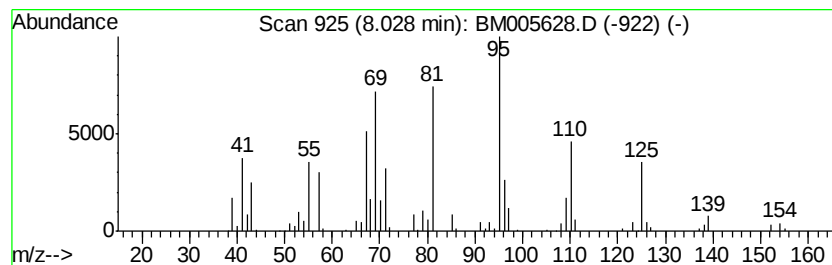
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 (DEL) Alkane: Branched8.03 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	5.32 ng/ul	296420	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	68
2		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	64
3		Cyclopropane, tetramethylmethylene-	110	C8H14	054376-39-5	45
4		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	45
5		1-Heptadecyne	236	C17H32	026186-00-5	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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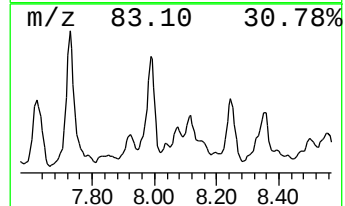
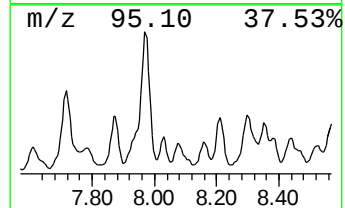
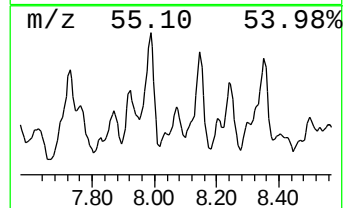
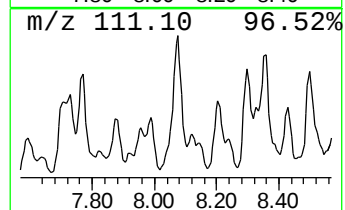
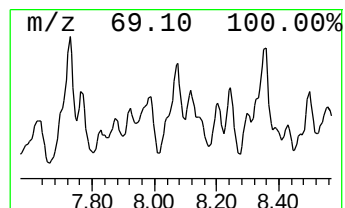
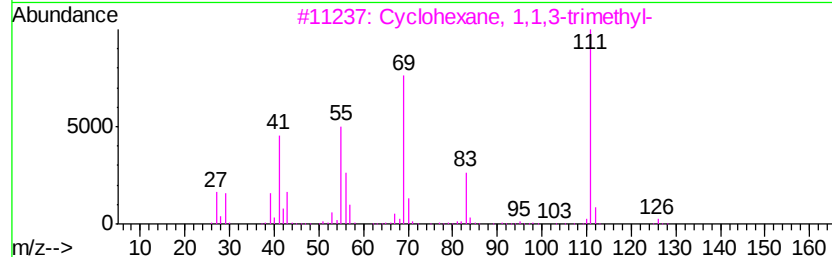
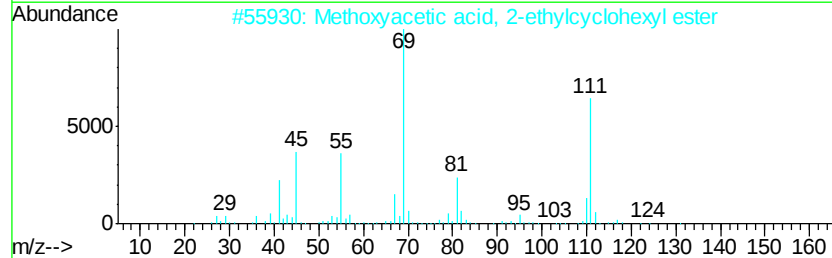
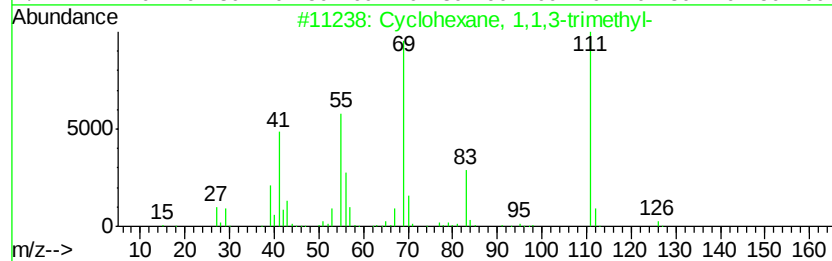
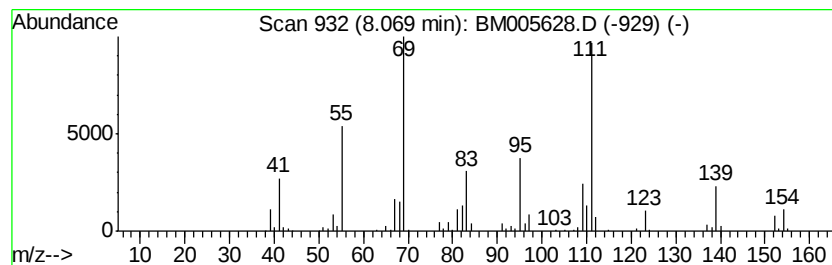
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 (DEL) Alkane: Cyclic8.07 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	8.73 ng/ul	486642	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
2			Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	47
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
4			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
5			Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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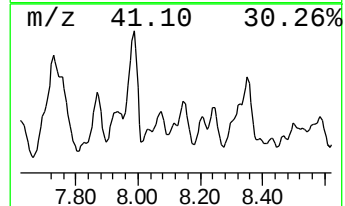
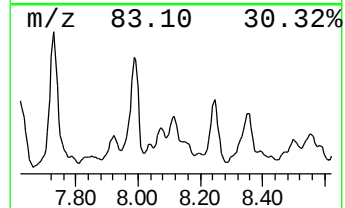
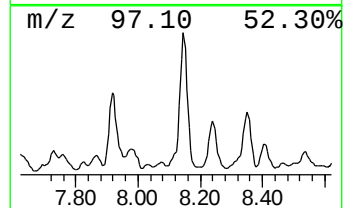
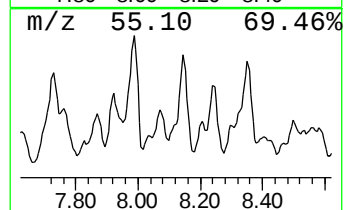
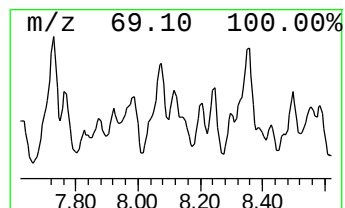
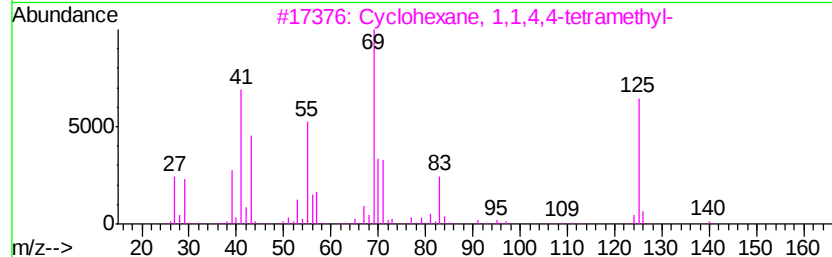
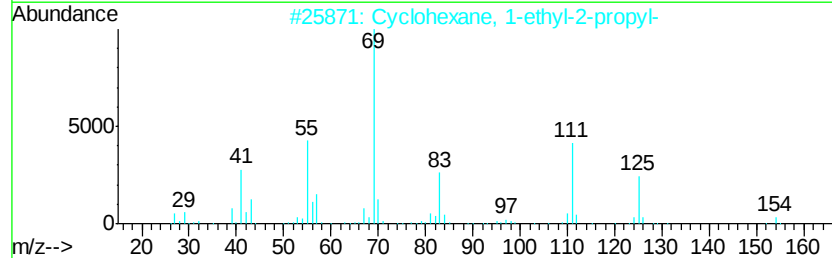
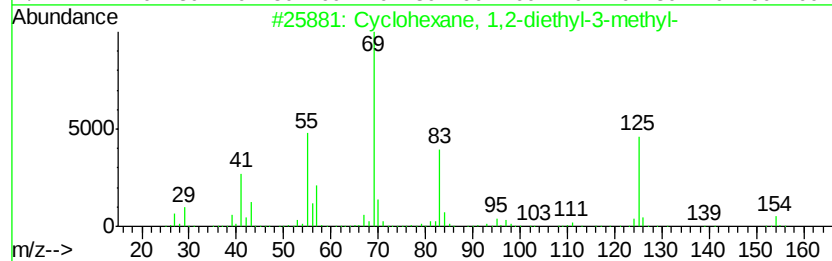
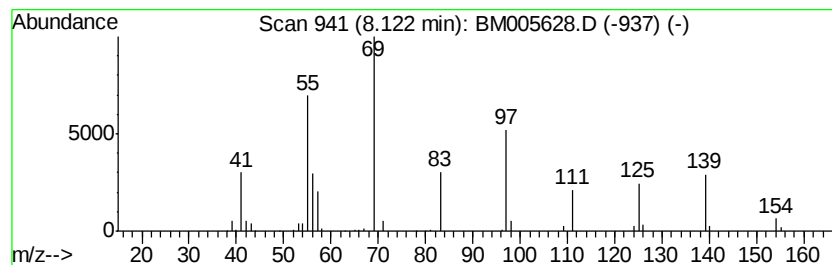
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 (DEL) Alkane: Cyclic8.12 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	3.44 ng/ul	191590	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	53
2			Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	49
3			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
4			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	37
5			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
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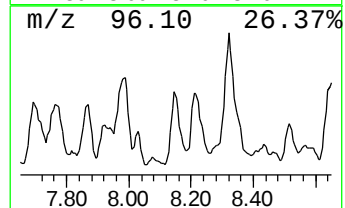
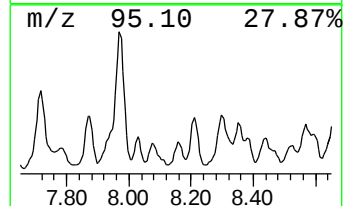
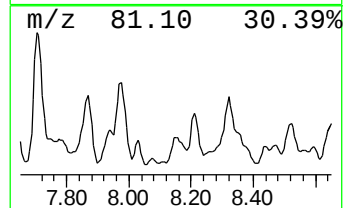
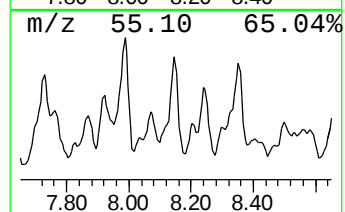
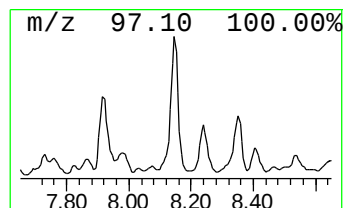
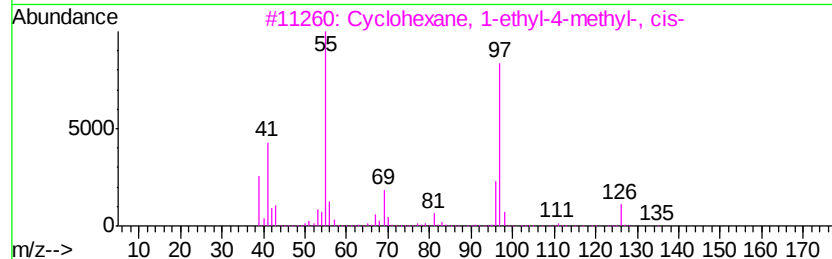
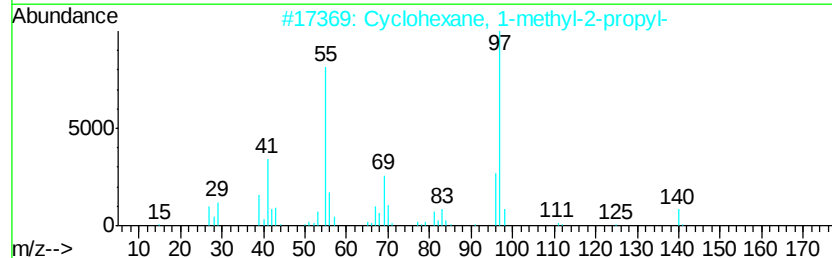
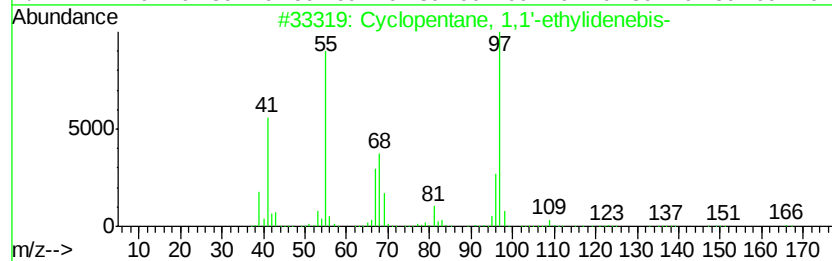
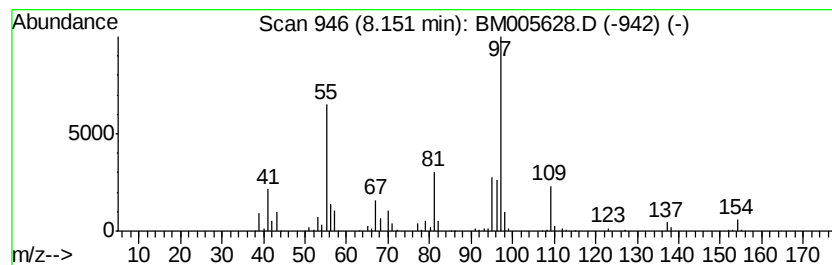
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 (DEL) Alkane: Branched8.15 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	16.38 ng/ul	913462	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	72
2			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
4			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64



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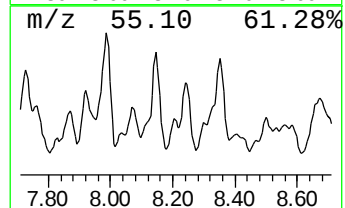
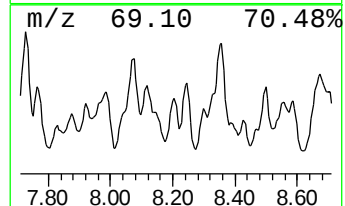
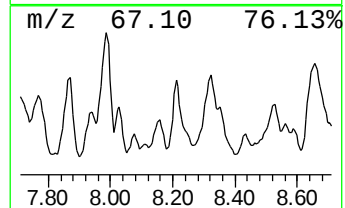
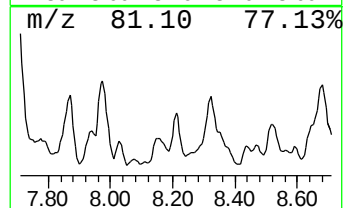
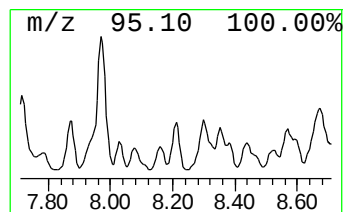
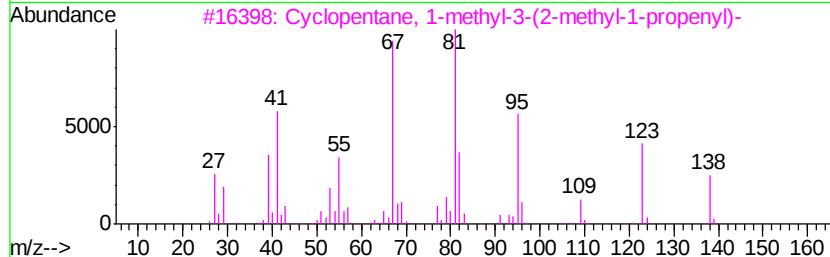
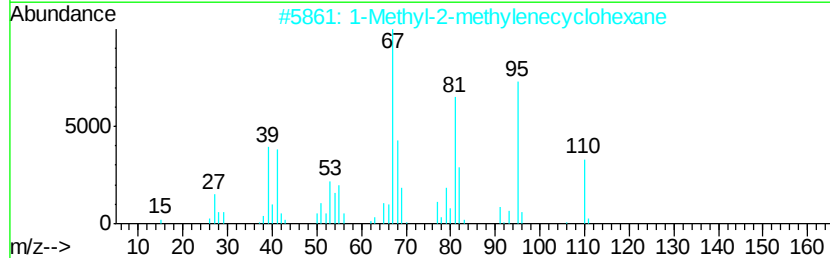
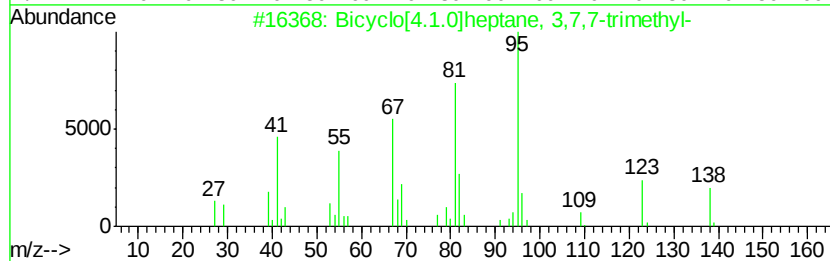
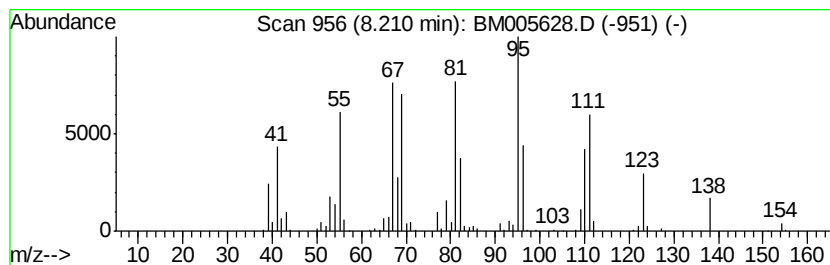
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Branched8.21 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	14.23 ng/ul	793559	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	70
2		1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	62
3		Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	60
4		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	58
5		1-Methylcycloheptene	110	C8H14	055308-20-8	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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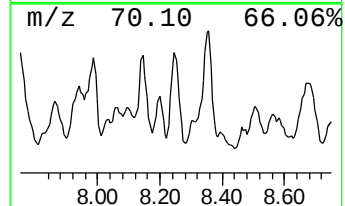
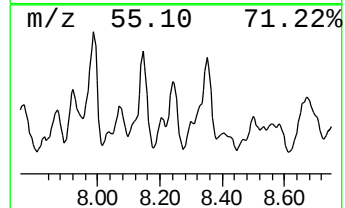
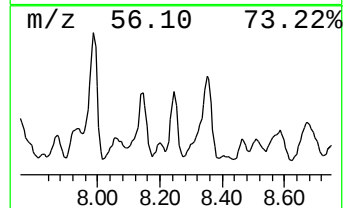
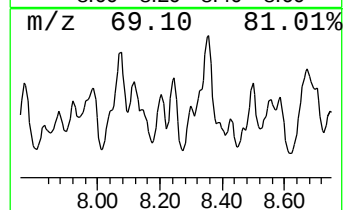
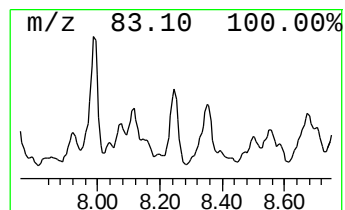
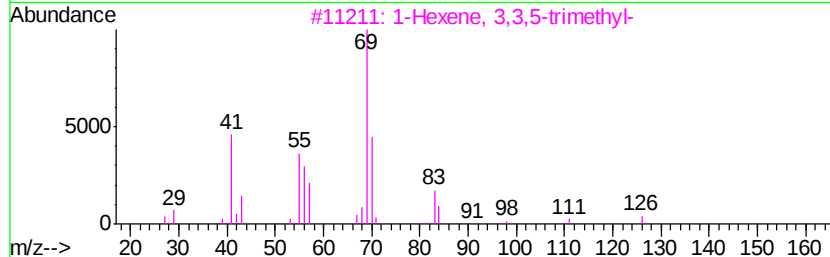
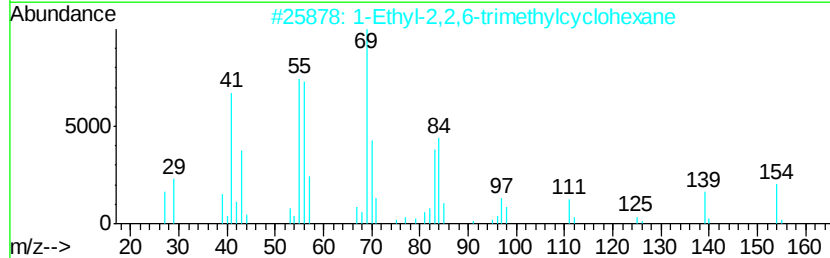
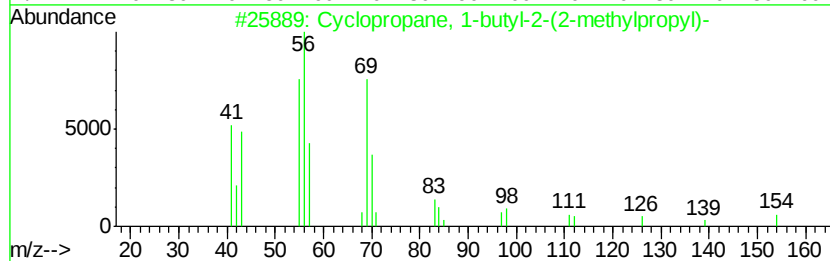
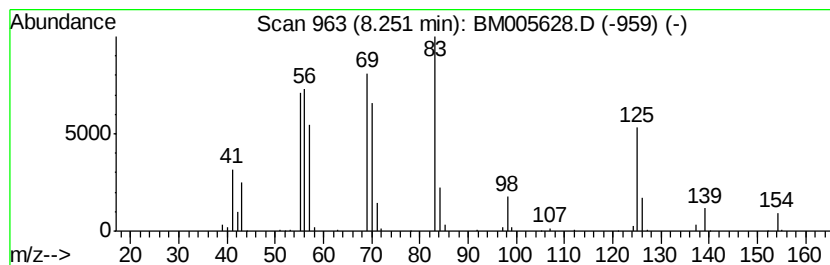
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Quant Title : SVOA CALIBRATION

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

Peak Number 34 (DEL) Alkane: Cyclic8.25 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	11.70 ng/ul	652567	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1-butyl-2-(2-methy...	154	C11H22	041977-35-9	49
2		1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	47
3		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	43
4		1-Butyl-1H-1,2,4-triazole	125	C6H11N3	006086-22-2	43
5		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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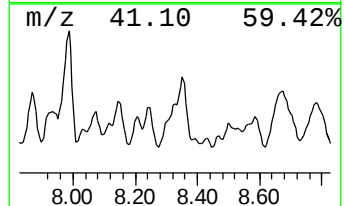
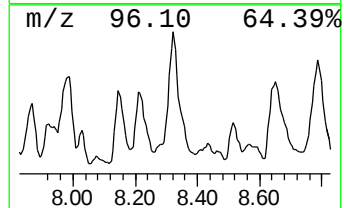
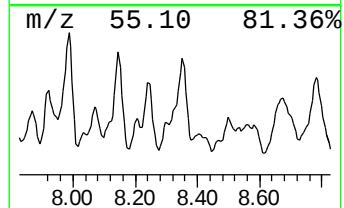
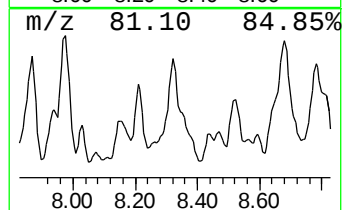
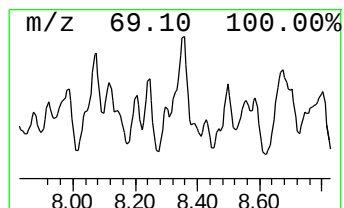
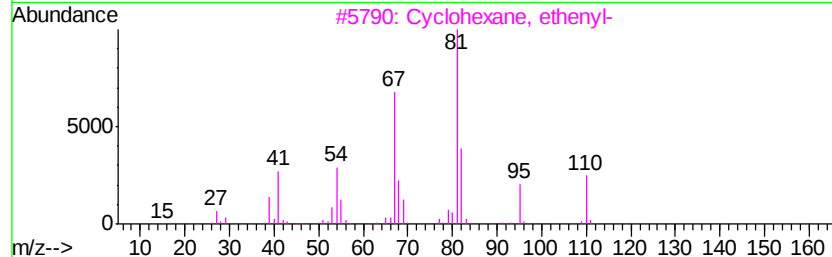
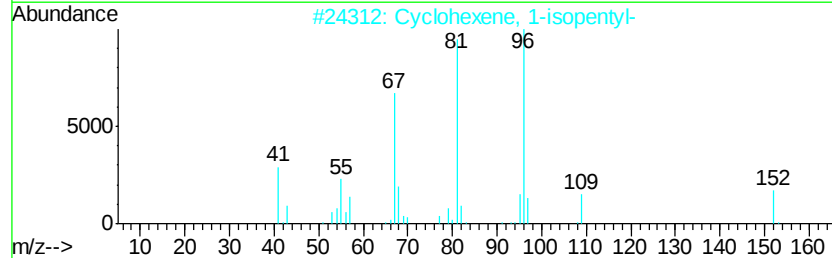
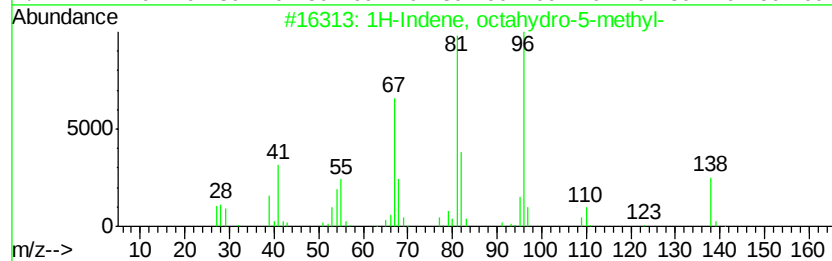
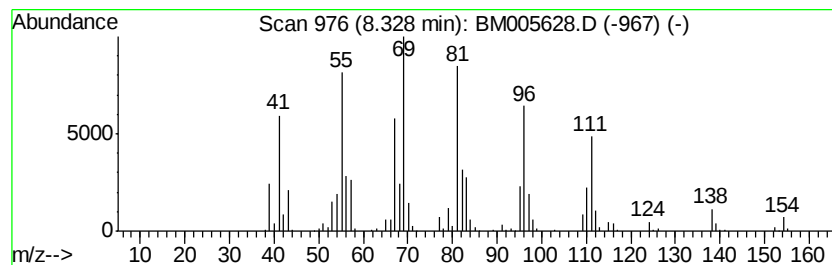
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 (DEL) Alkane: Branched8.33 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	23.43 ng/ul	1306260	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-5-methyl-	138	C10H18	019744-64-0	45
2		Cyclohexene, 1-isopentyl-	152	C11H20	003983-04-8	43
3		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	41
4		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	41
5		Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-31-2	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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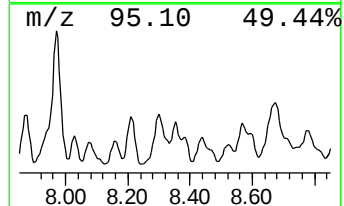
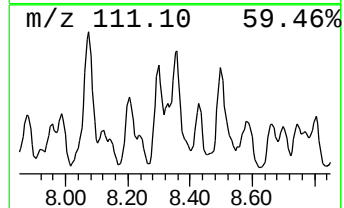
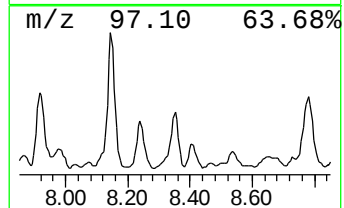
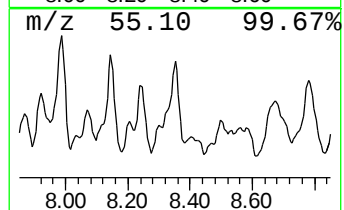
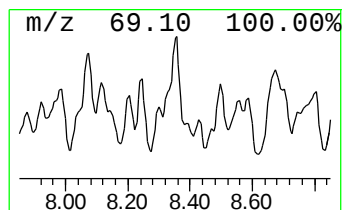
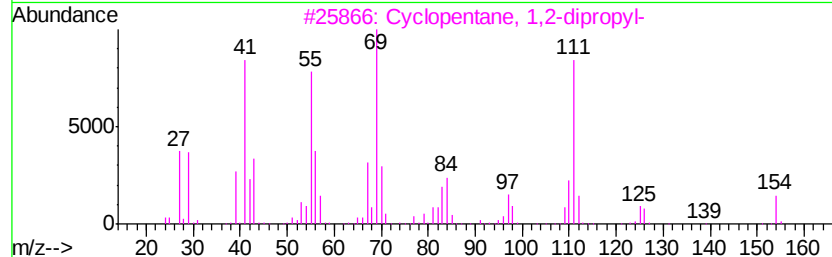
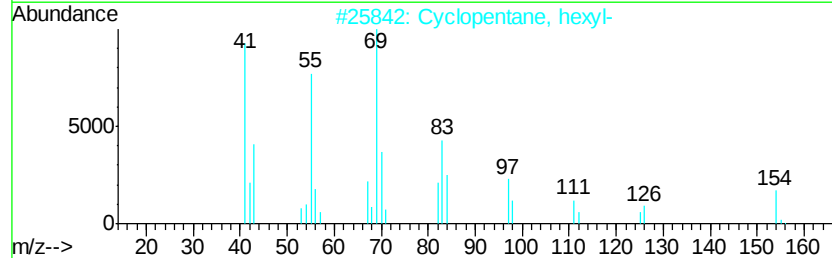
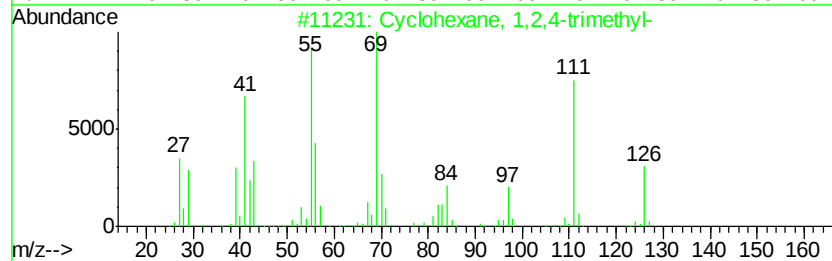
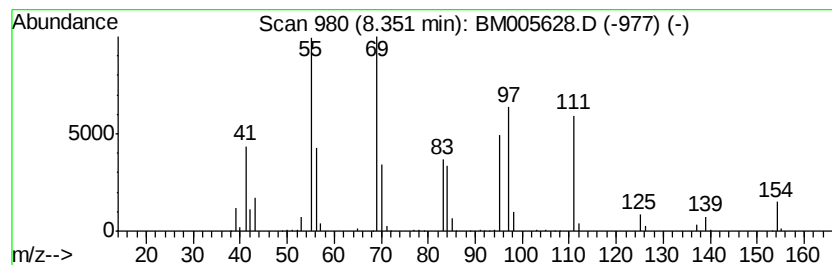
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 (DEL) Alkane: Cyclic8.35 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	26.17 ng/ul	1458970	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
2		Cyclopentane, hexyl-	154	C11H22	004457-00-5	47
3		Cyclopentane, 1,2-dipropyl-	154	C11H22	091242-57-8	47
4		Cyclopropane, 1-pentyl-2-propyl-	154	C11H22	041977-33-7	38
5		4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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Misc :
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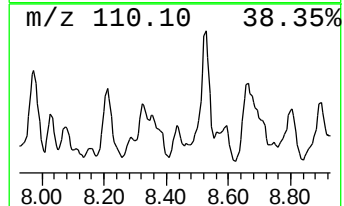
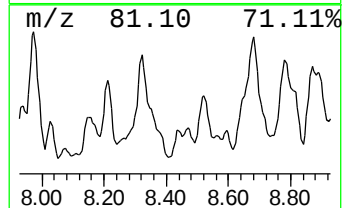
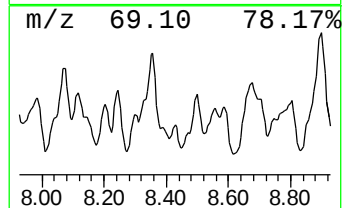
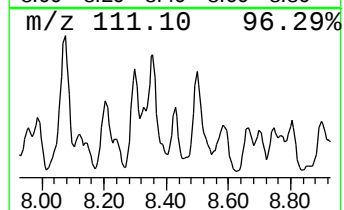
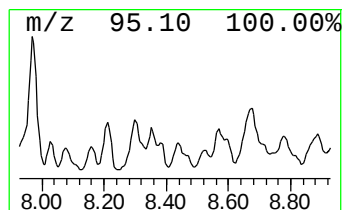
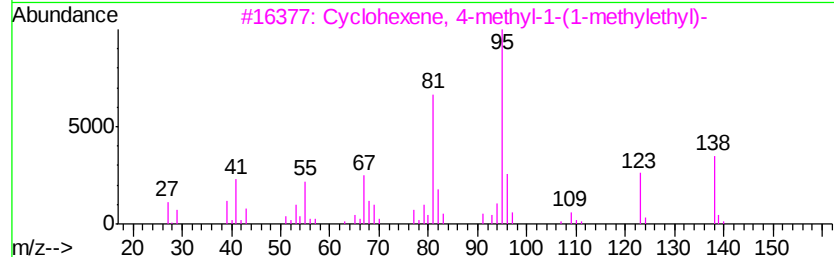
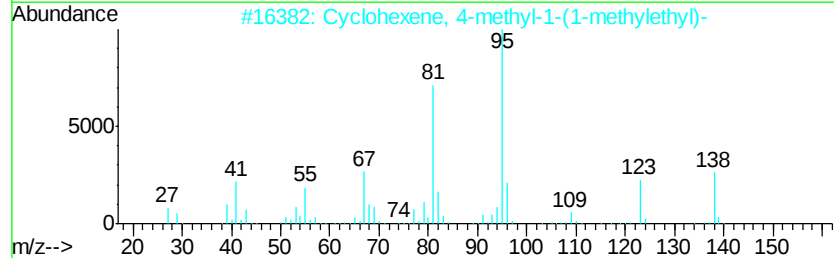
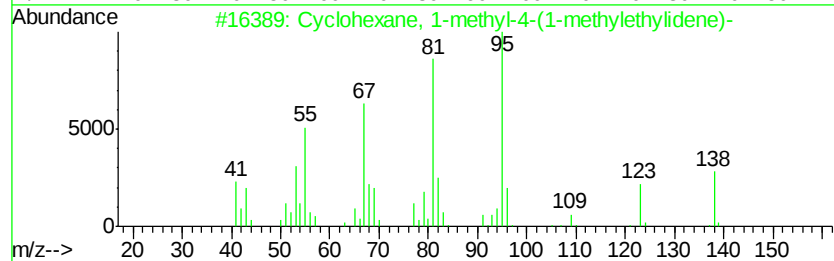
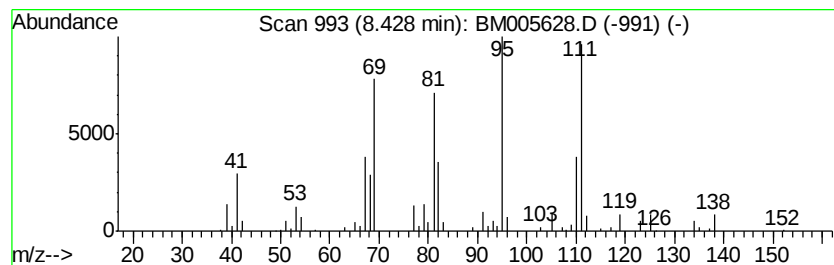
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 (DEL) Alkane: Branched8.43 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	2.13 ng/ul	118754	1,4-Dichlorobenzene-d4	7.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	70
2			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	62
3			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	58
4			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	49
5			1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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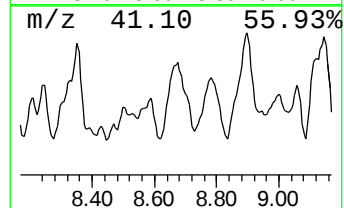
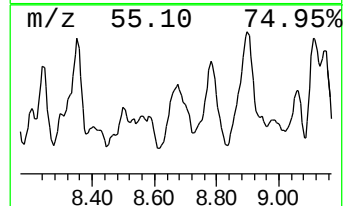
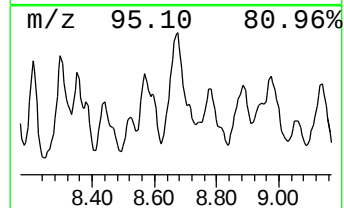
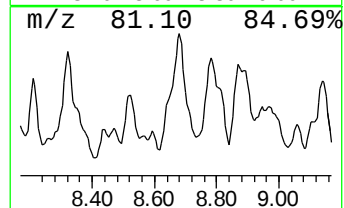
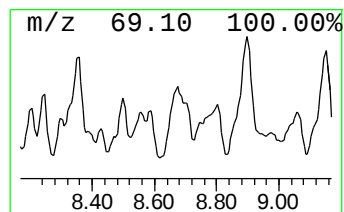
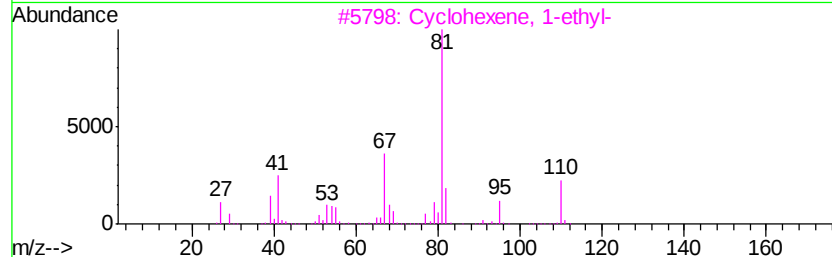
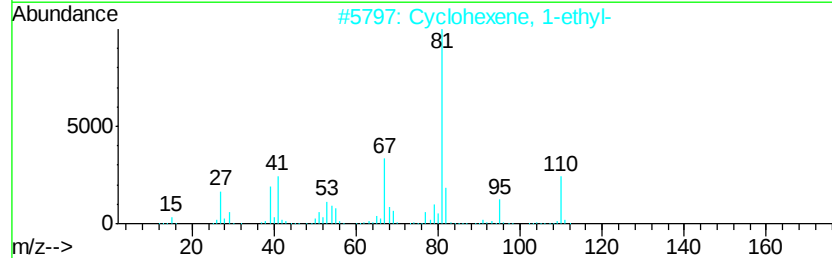
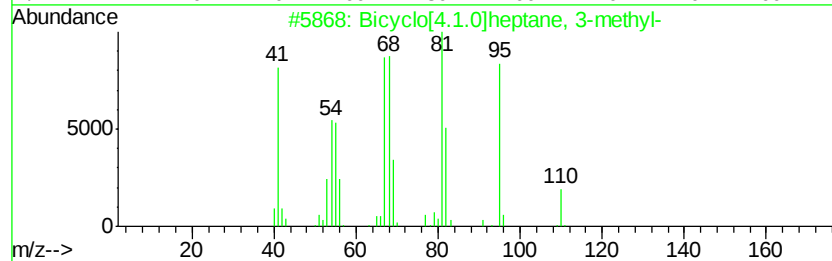
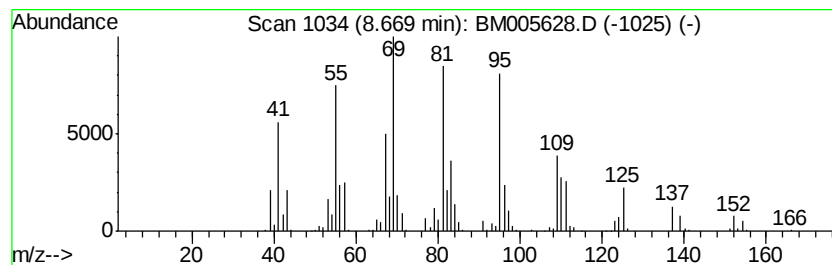
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 (DEL) Alkane: Branched8.67 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	55.12 ng/ul	3073220	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	38
2		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
3		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
4		Cyclohexane, ethylidene-	110	C8H14	001003-64-1	30
5		6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	30



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 03:05
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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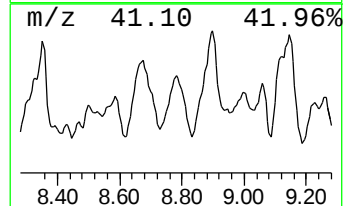
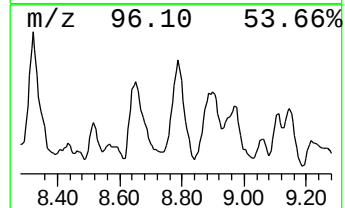
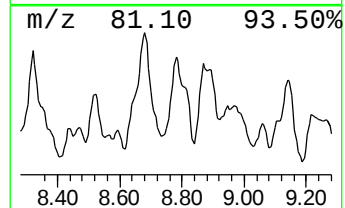
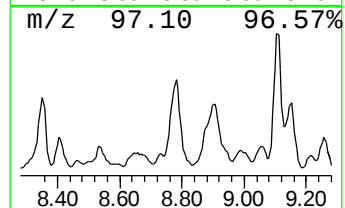
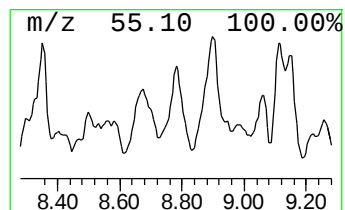
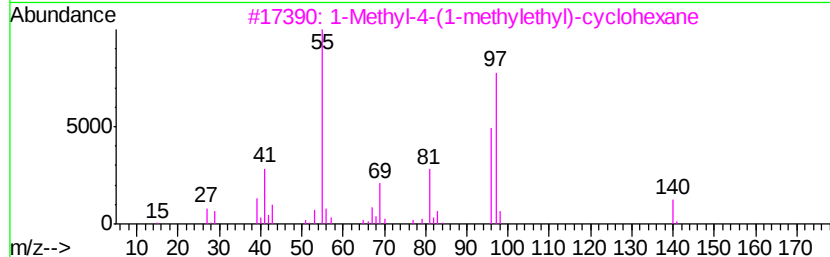
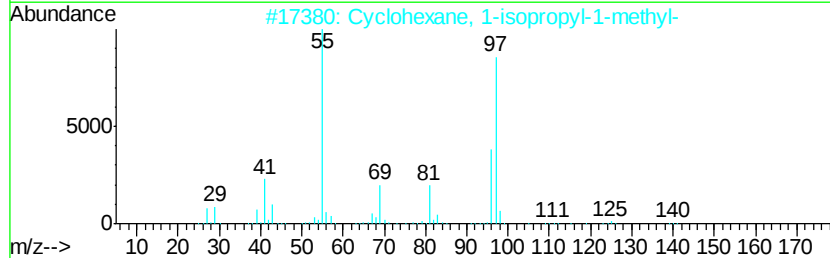
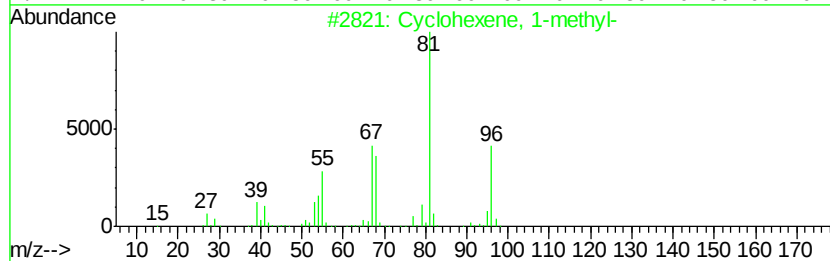
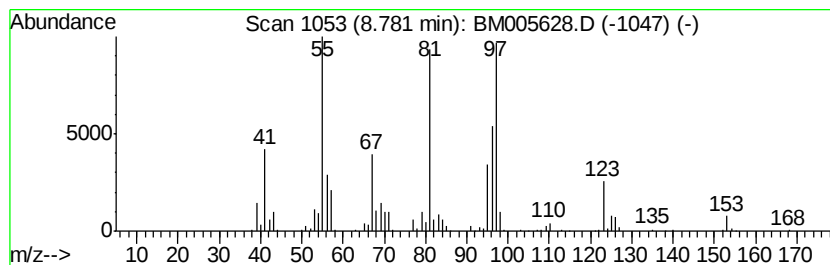
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 (DEL) Alkane: Branched8.78 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	35.18 ng/ul	1961500	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	45
2		Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	38
3		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	38
5		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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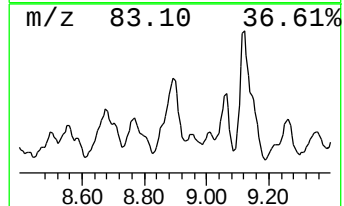
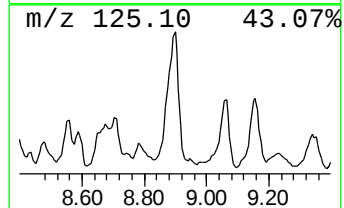
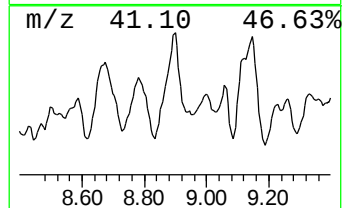
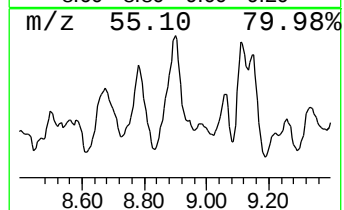
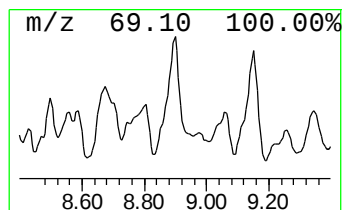
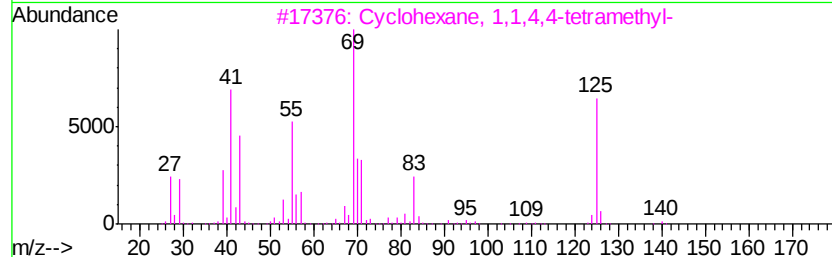
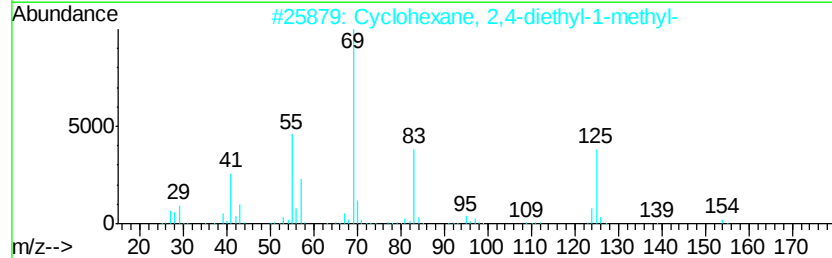
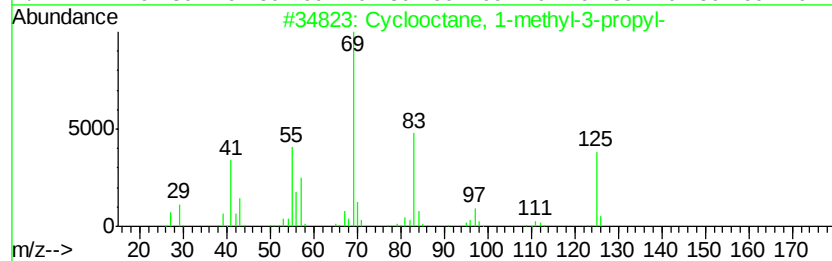
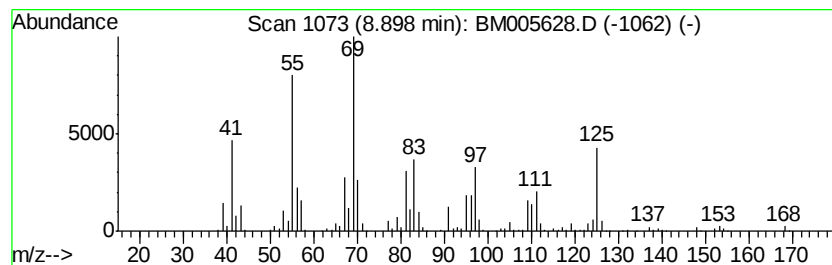
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 (DEL) Alkane: Cyclic8.90 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	58.15 ng/ul	3242240	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	53
2		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	43
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
4		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	43
5		2-Undecene, 2-methyl-	168	C12H24	056888-88-1	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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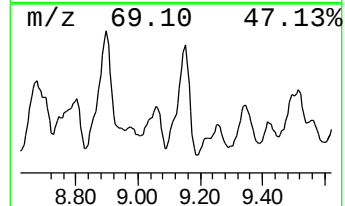
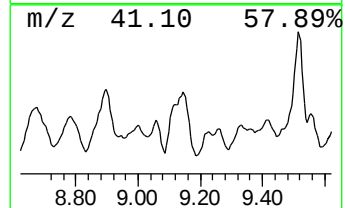
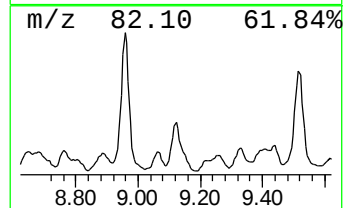
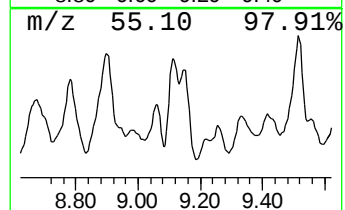
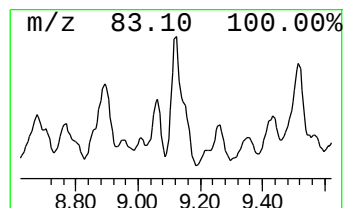
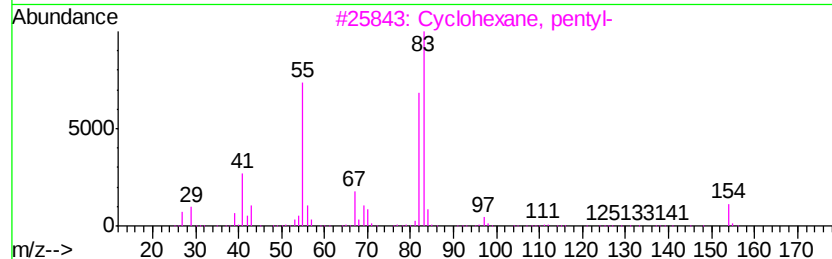
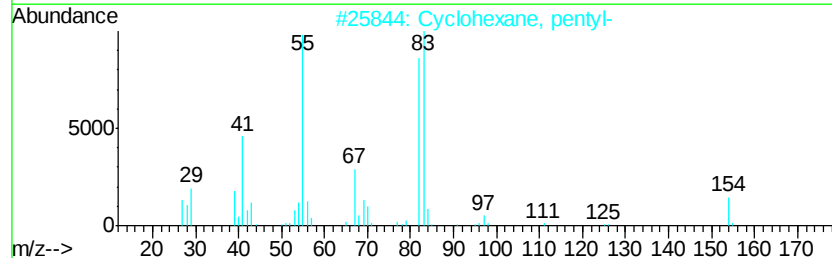
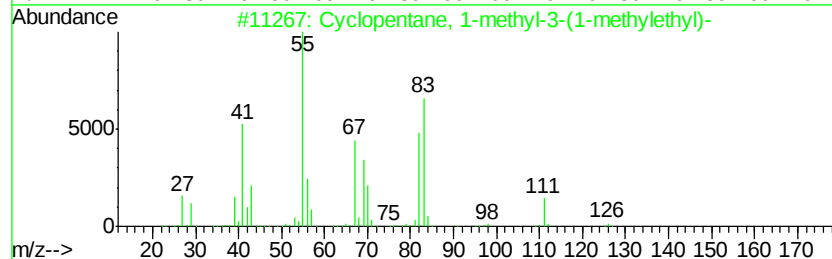
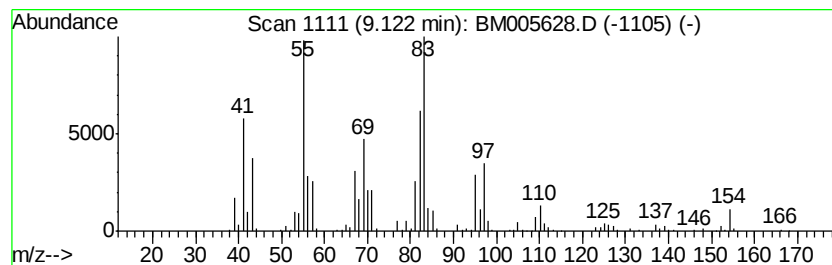
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 (DEL) Alkane: Cyclic9.12 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	19.79 ng/ul	1103610	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	49
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4		Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	38
5		Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGL1RE

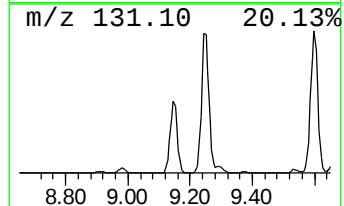
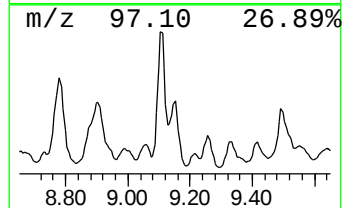
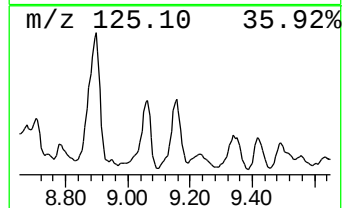
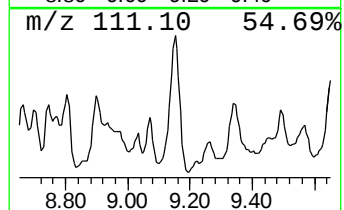
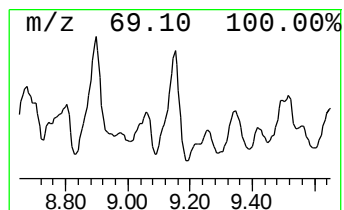
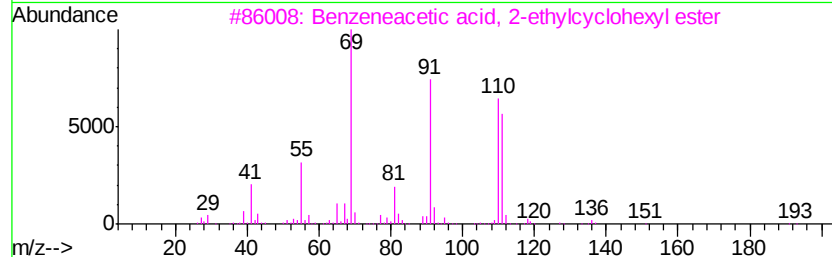
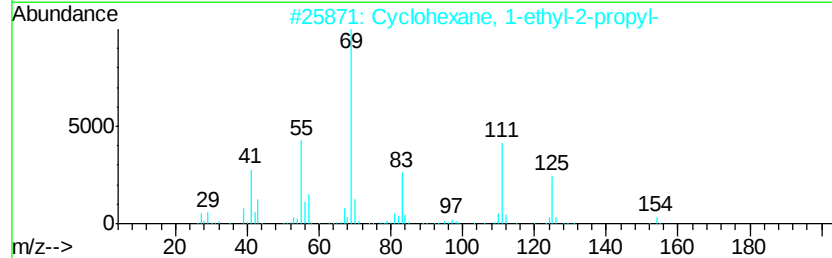
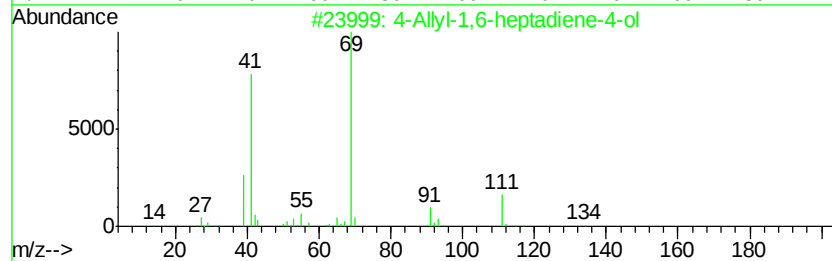
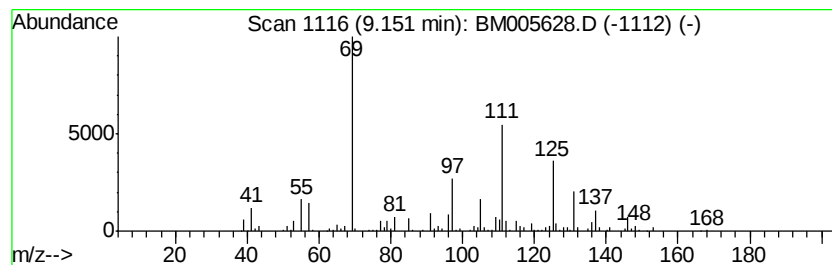
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Quant Title : SVOA CALIBRATION

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

Peak Number 43 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	38.61 ng/ul	2152440	1,4-Dichlorobenzene-d4	7.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Allyl-1,6-heptadiene-4-ol	152	C10H16O	010202-75-2	38
2		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
3		Benzeneacetic acid, 2-ethylcyclo...	246	C16H22O2	1000282-63-9	38
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
5		Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	37



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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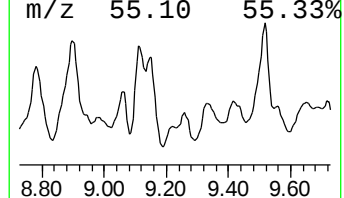
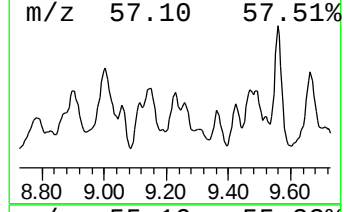
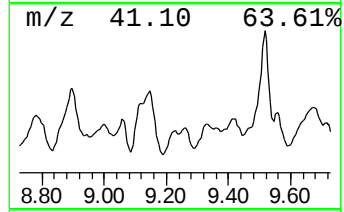
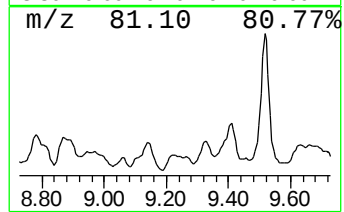
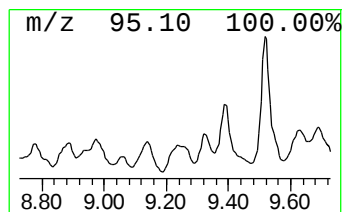
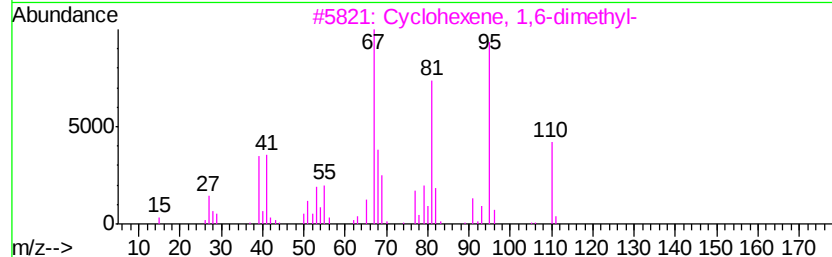
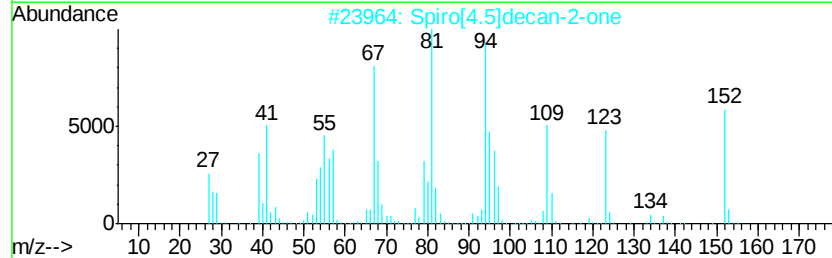
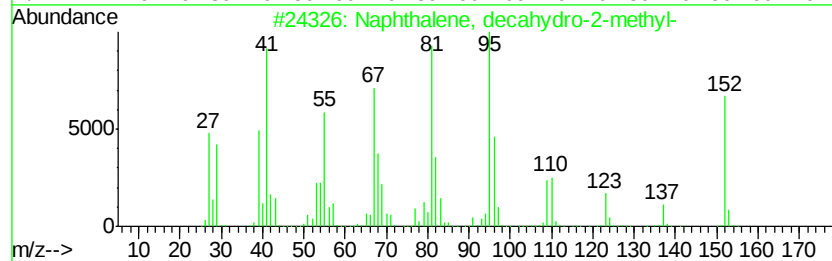
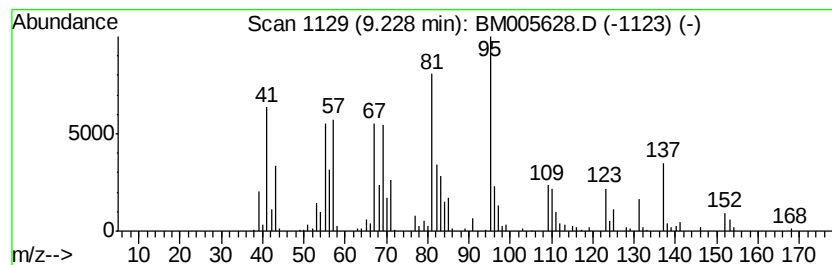
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Quant Title : SVOA CALIBRATION

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

Peak Number 44 (DEL) Alkane: Branched9.23 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	3.03 ng/ul	659966	Naphthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	72
2		Spiro[4.5]decan-2-one	152	C10H16O	003643-16-1	64
3		Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	58
4		3-Octyne, 7-methyl-	124	C9H16	037050-06-9	52
5		Cyclohexanol, 2,3-dimethyl-	128	C8H16O	001502-24-5	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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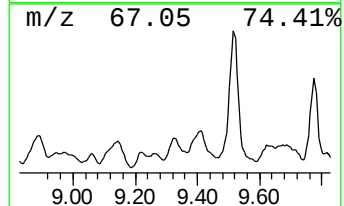
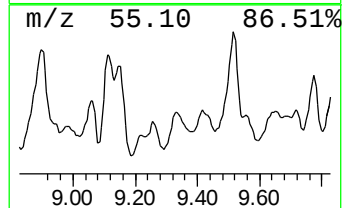
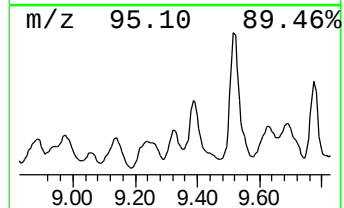
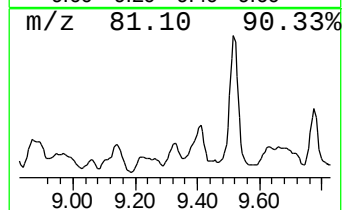
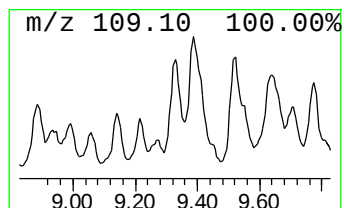
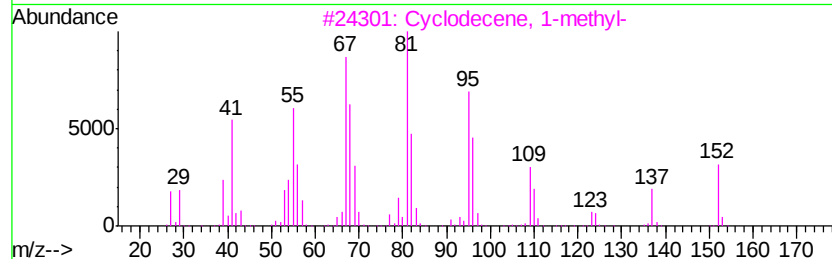
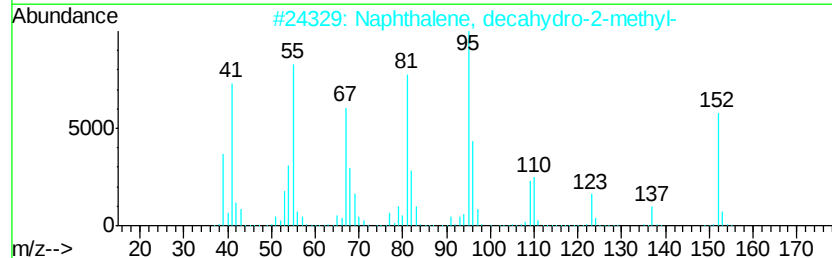
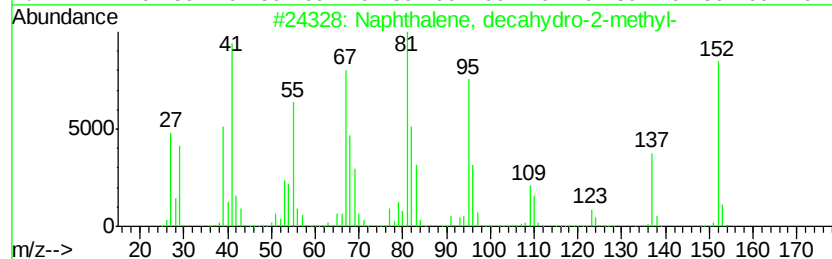
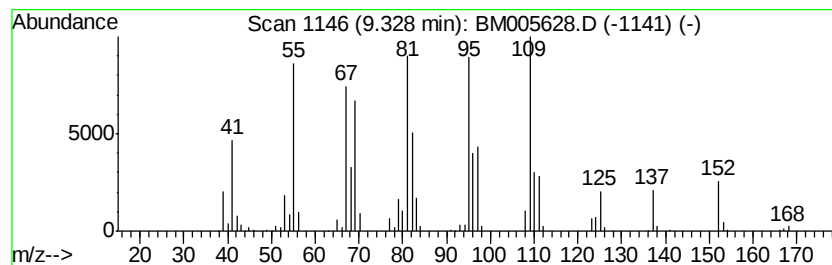
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Quant Title : SVOA CALIBRATION

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

Peak Number 45 (DEL) Alkane: Branched9.33 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	4.06 ng/ul	883812	Naphthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
3		Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	60
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

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BNA_M
ClientSampleId :
JHGL1RE

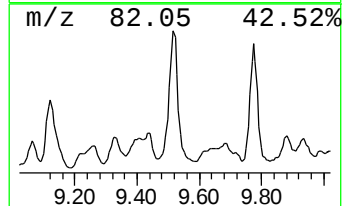
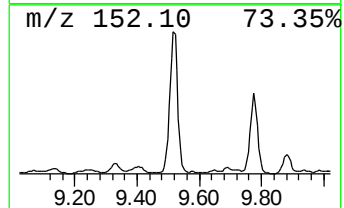
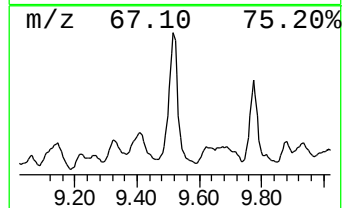
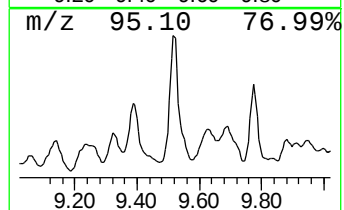
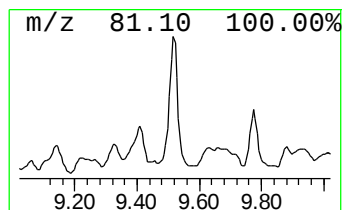
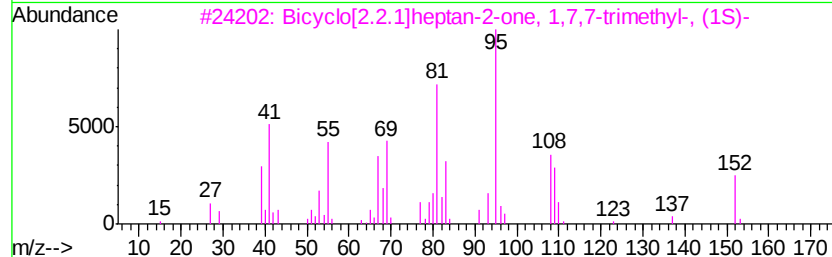
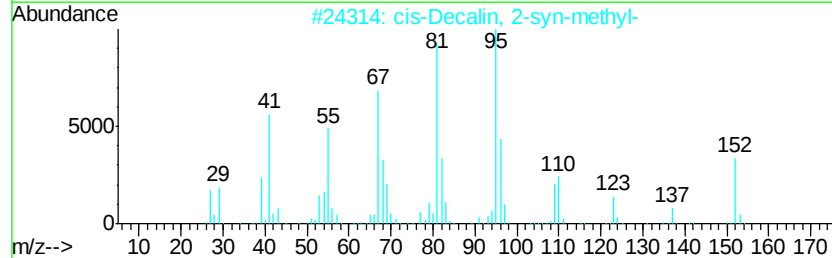
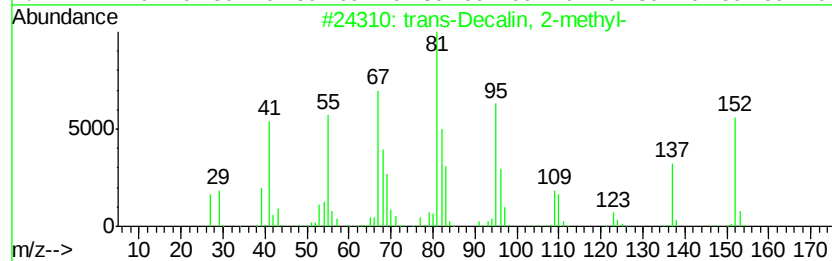
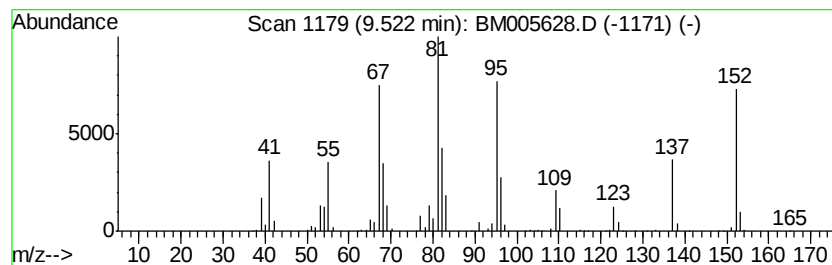
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Quant Title : SVOA CALIBRATION

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

Peak Number 46 (DEL) Alkane: Branched9.52 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	15.78 ng/ul	3436330	Napthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74
4		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	70
5		Pulegone	152	C10H16O	000089-82-7	70



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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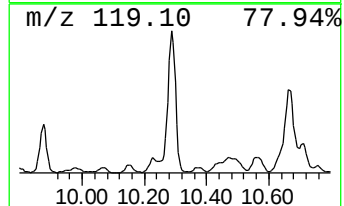
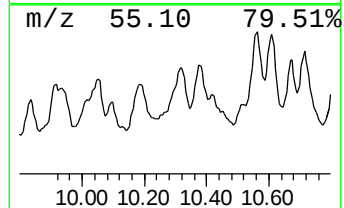
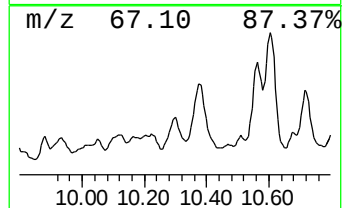
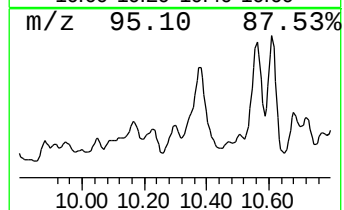
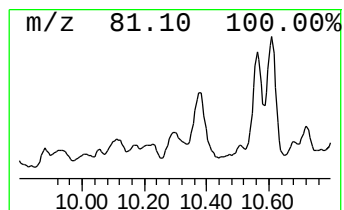
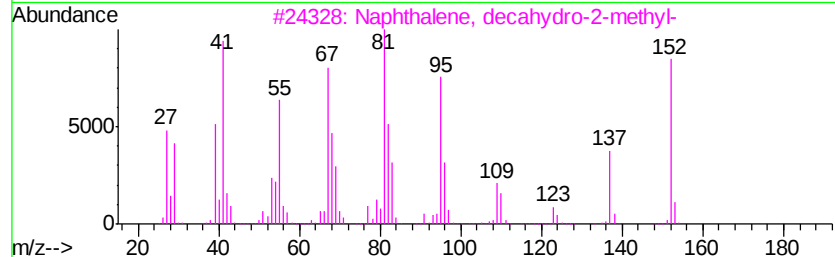
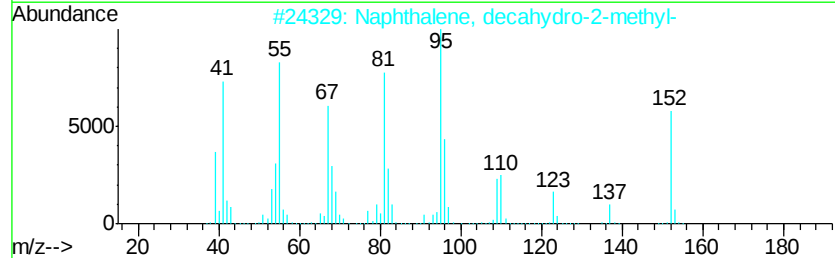
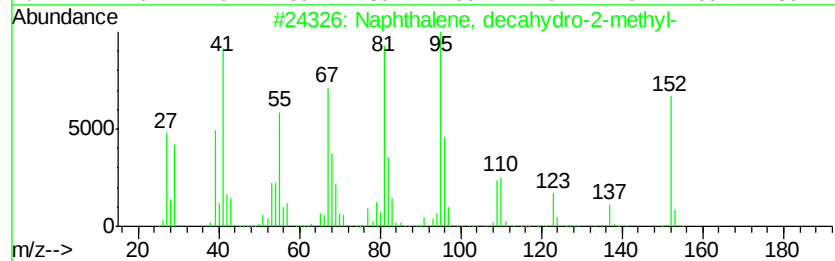
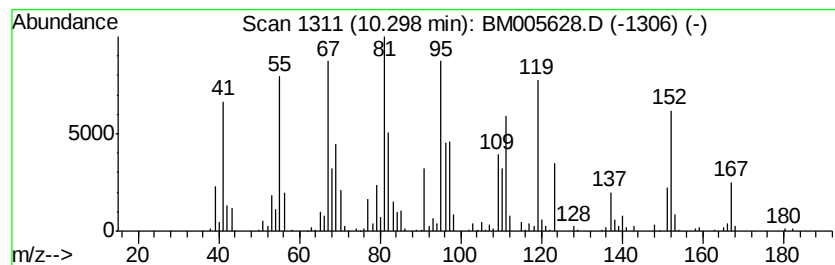
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Quant Title : SVOA CALIBRATION

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

Peak Number 48 (DEL) Alkane: Branched10.30 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	3.85 ng/ul	838650	Naphthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	53
4		2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	53
5		2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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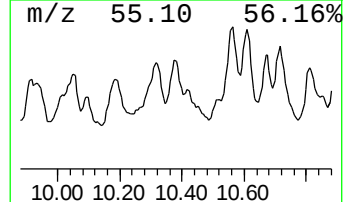
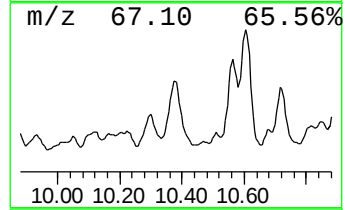
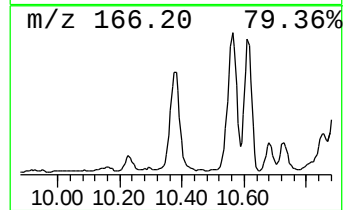
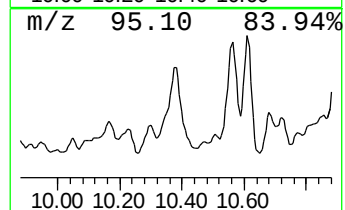
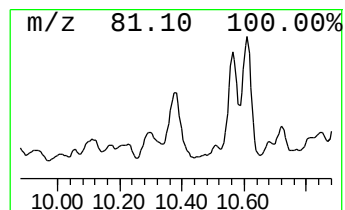
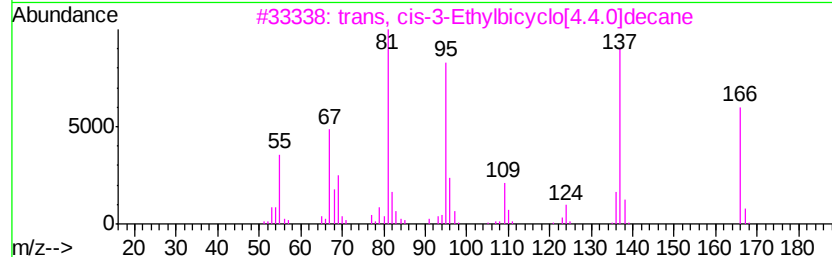
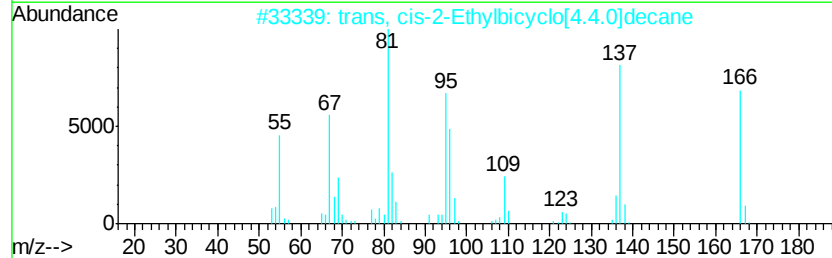
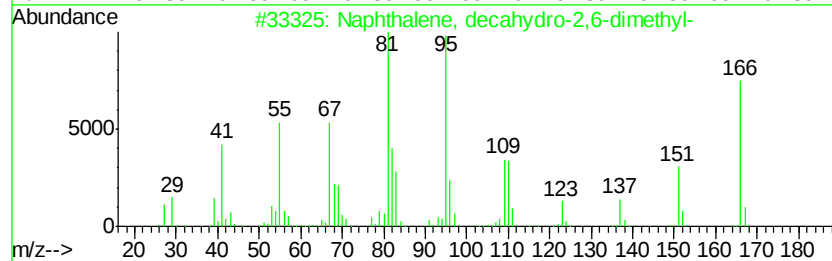
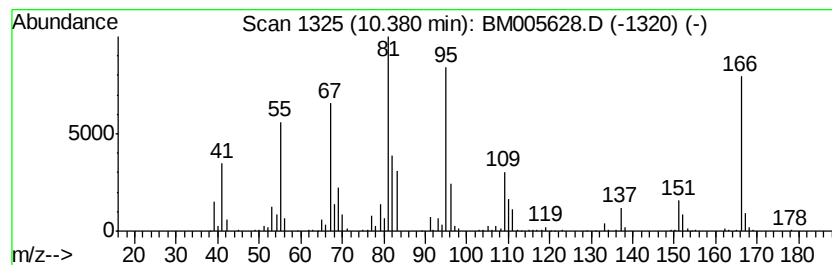
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Quant Title : SVOA CALIBRATION

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

Peak Number 49 (DEL) Alkane: Branched10.38 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	11.82 ng/ul	2574440	Naphthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	94
2		trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	87
3		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	83
4		cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	80
5		Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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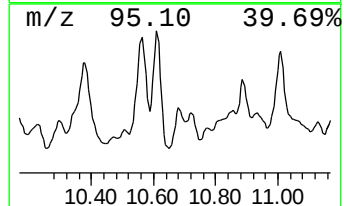
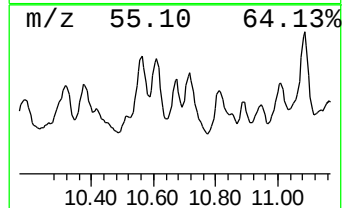
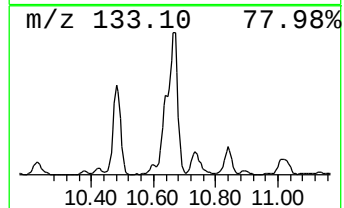
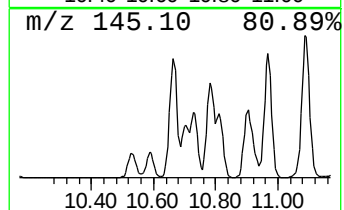
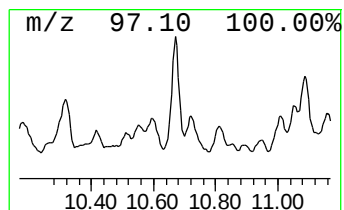
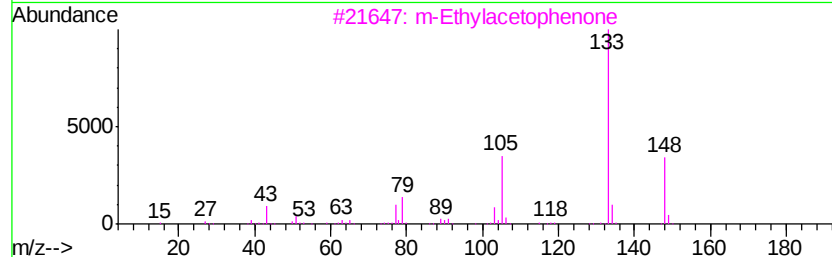
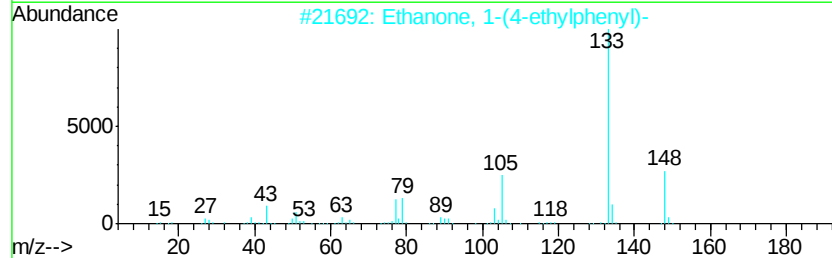
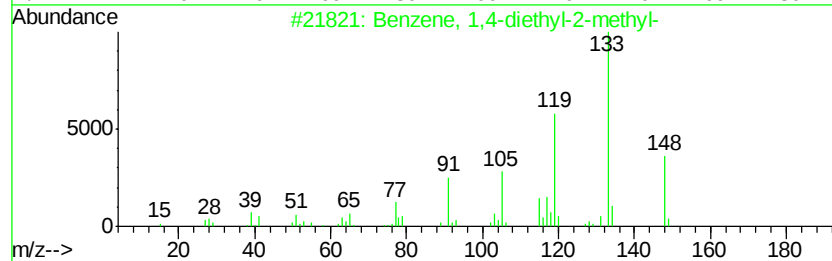
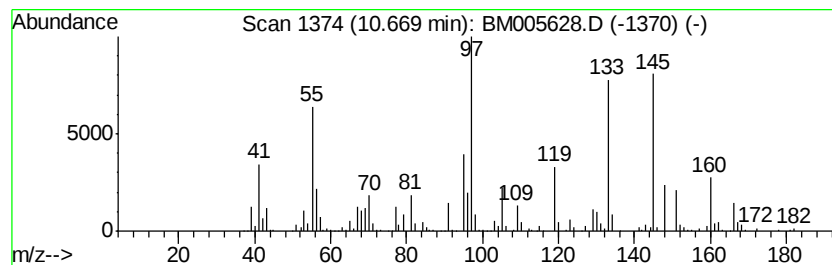
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Quant Title : SVOA CALIBRATION

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

Peak Number 50 unknown-03 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	9.15 ng/ul	1993120	Naphthalene-d8	10.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	35
2			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	25
3			m-Ethylacetophenone	148	C10H12O	022699-70-3	25
4			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	15
5			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	15



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

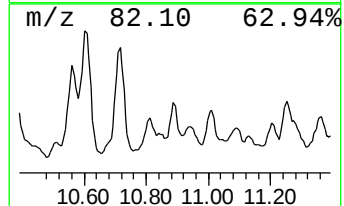
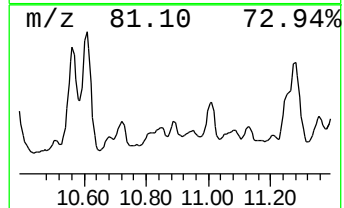
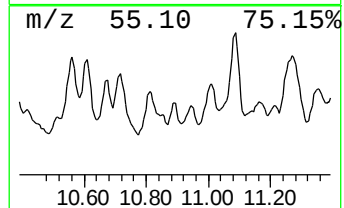
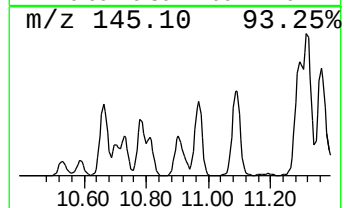
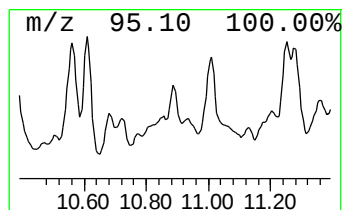
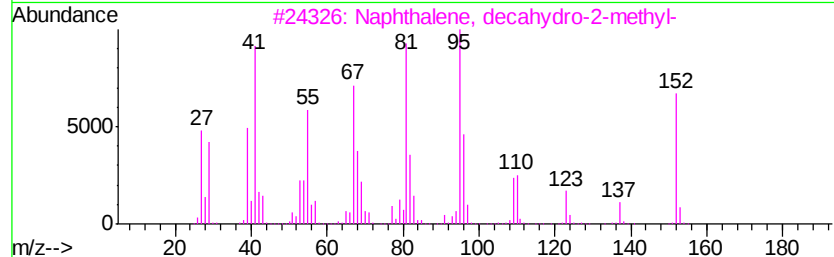
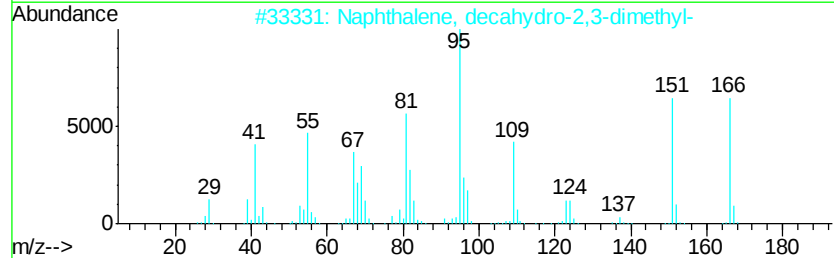
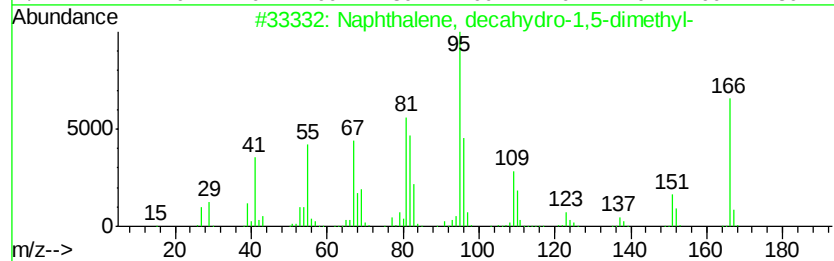
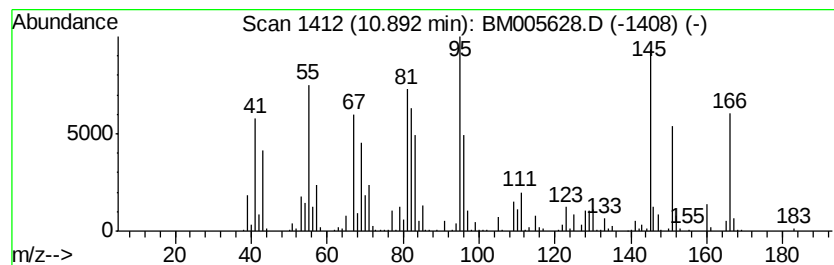
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 (DEL) Alkane: Branched10.89 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	3.33 ng/ul	725227	Naphthalene-d8	10.60
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-1,5-dimet...	166 C12H22	066552-62-3 62
2		Naphthalene, decahydro-2,3-dimet...	166 C12H22	001008-80-6 50
3		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 45
4		cis,cis-1,6-Dimethylspiro[4.5]de...	166 C12H22	1000111-72-4 43
5		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138 C10H18	000473-55-2 43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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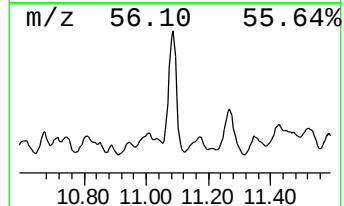
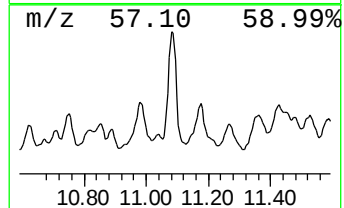
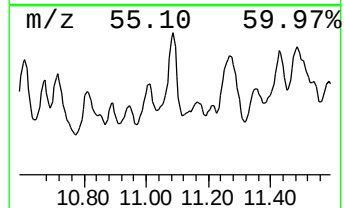
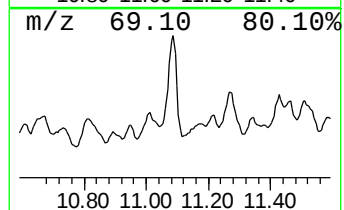
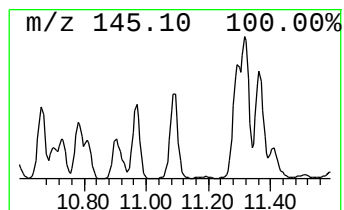
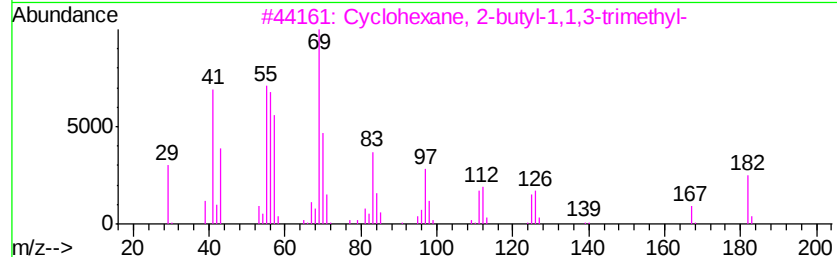
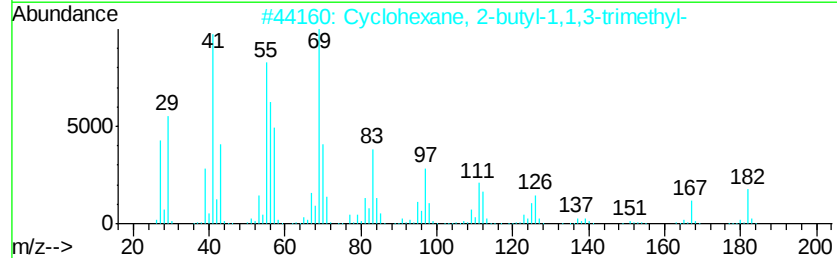
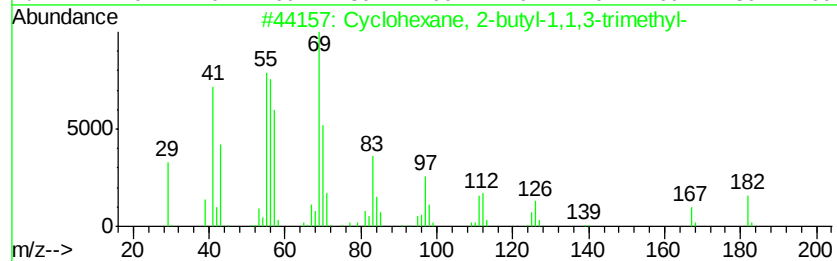
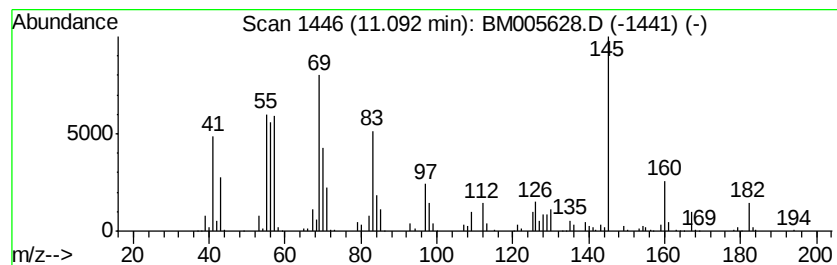
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 (DEL) Alkane: Cyclic11.09 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	12.04 ng/ul	2623140	Naphthalene-d8	10.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	83
2			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	70
3			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	64
4			6-Tridecene, (Z)-	182	C13H26	006508-77-6	62
5			Cyclopentane, butyl-	126	C9H18	002040-95-1	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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Misc :
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Instrument :
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ClientSampleId :
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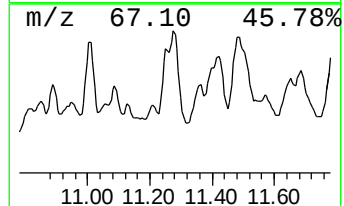
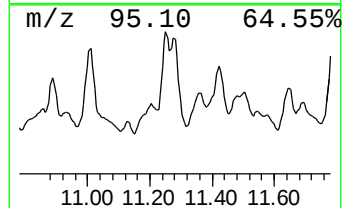
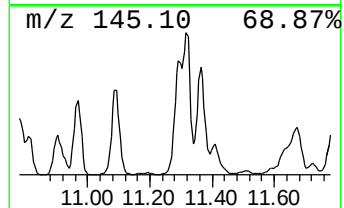
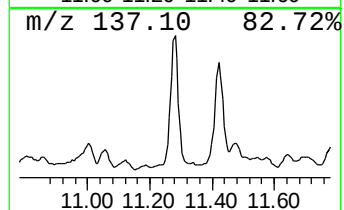
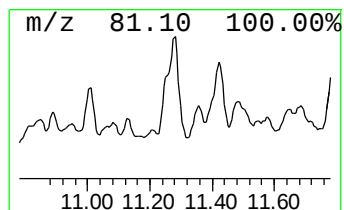
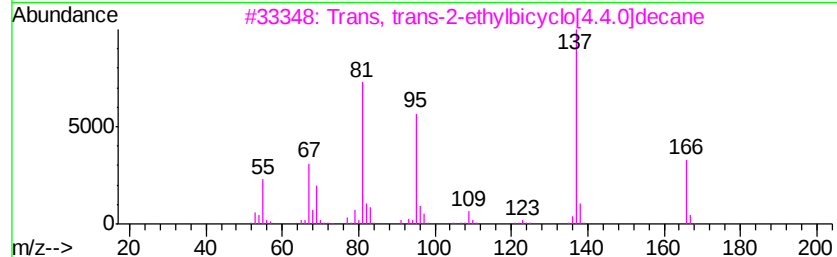
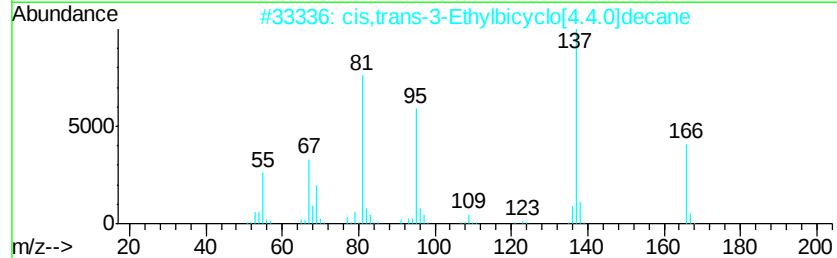
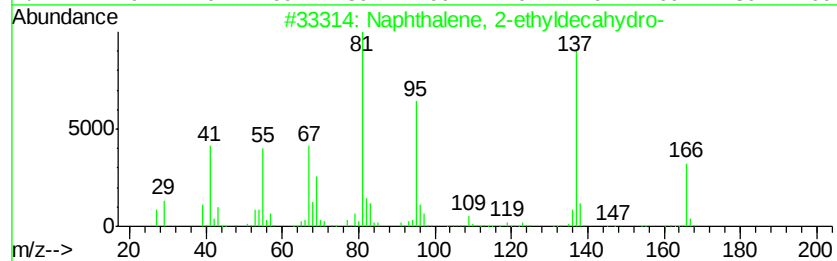
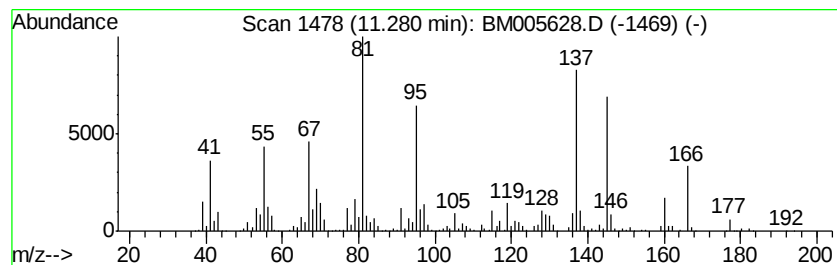
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Quant Title : SVOA CALIBRATION

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

Peak Number 53 (DEL) Alkane: Branched11.28 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	24.40 ng/ul	5314250	Naphthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	90
2		cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	81
3		Trans, trans-2-ethylbicyclo[4.4....	166	C12H22	066660-37-5	74
4		cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	55
5		4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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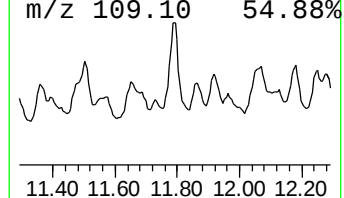
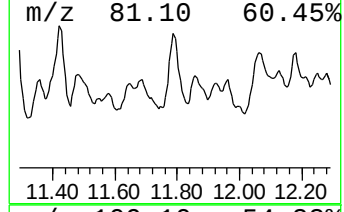
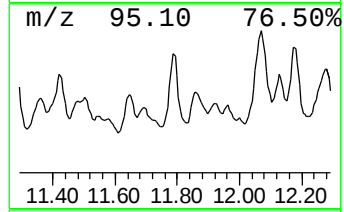
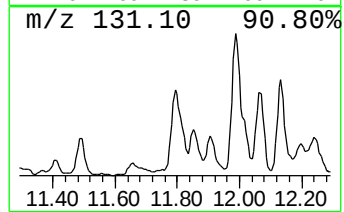
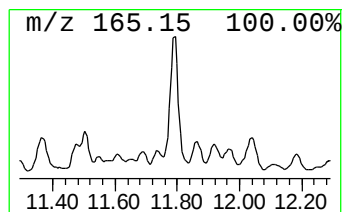
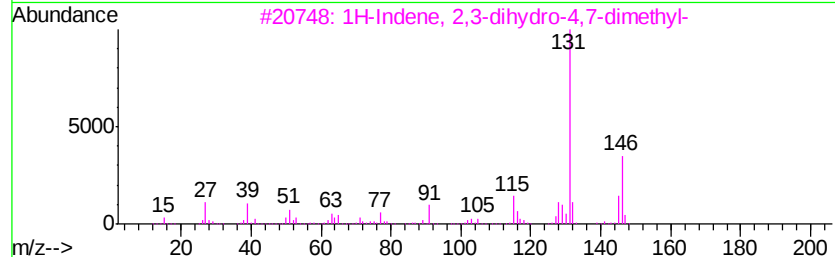
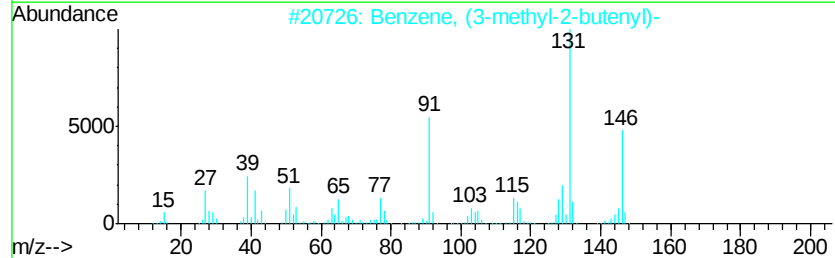
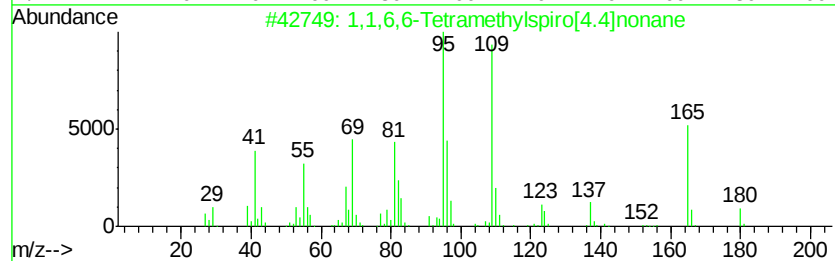
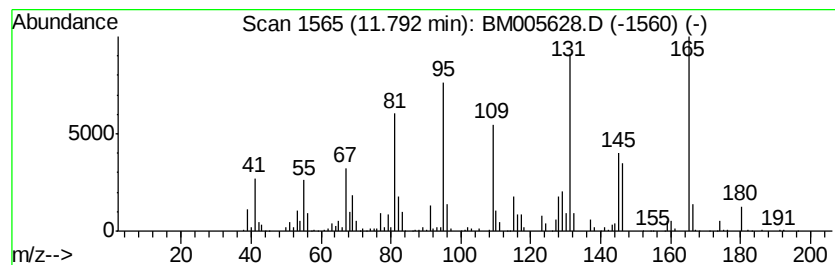
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Quant Title : SVOA CALIBRATION

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

Peak Number 56 (DEL) Alkane: Branched11.79 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	11.71 ng/ul	2551370	Napthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1,6,6-Tetramethylspiro[4.4]nonane	180	C13H24	074054-92-5	38
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	35
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	35
5		trans,trans- and trans,cis-1,8-D...	180	C13H24	1000111-73-2	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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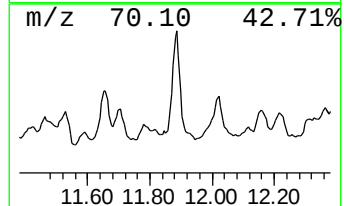
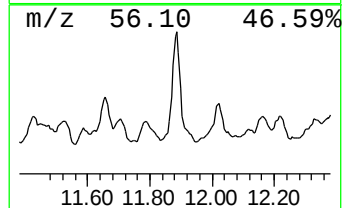
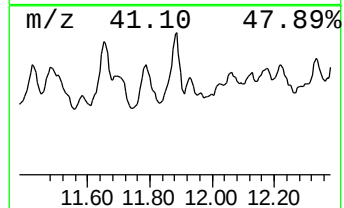
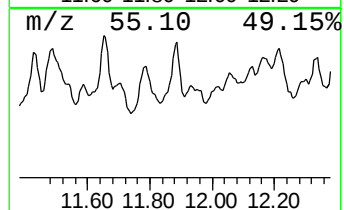
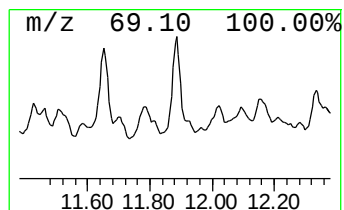
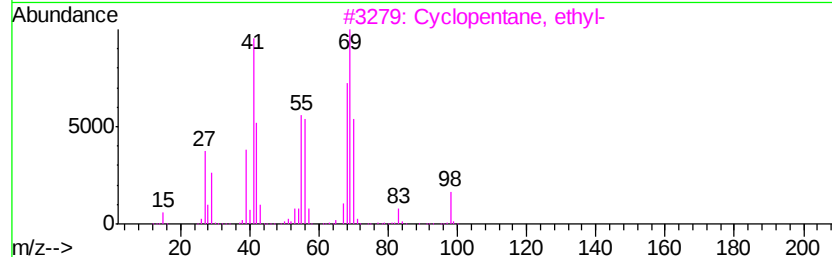
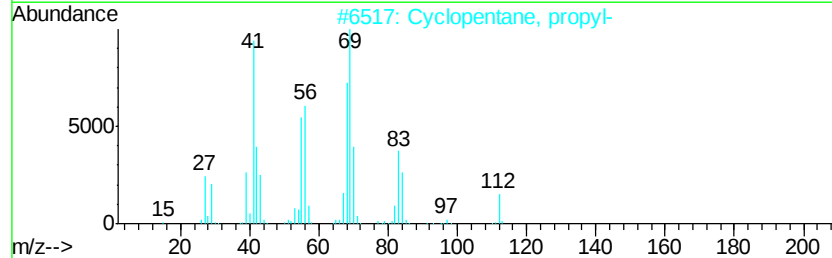
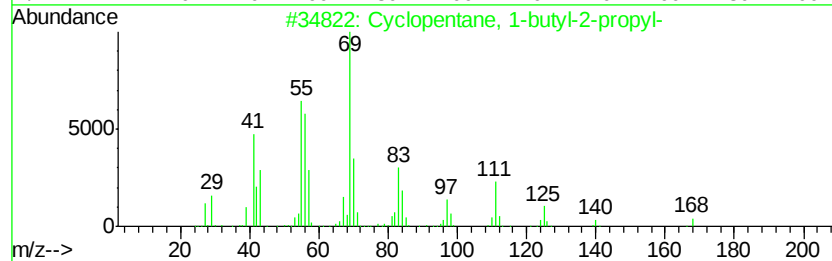
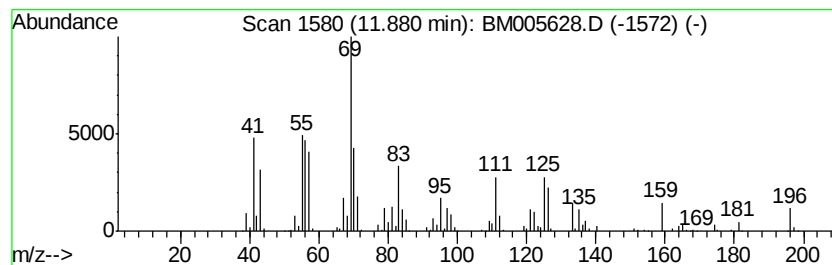
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Quant Title : SVOA CALIBRATION

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

Peak Number 57 (DEL) Alkane: Cyclic11.88 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	17.28 ng/ul	3762930	Napthalene-d8	10.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	53
2		Cyclopentane, propyl-	112	C8H16	002040-96-2	53
3		Cyclopentane, ethyl-	98	C7H14	001640-89-7	49
4		Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	49
5		cis-3,5-Dimethylcyclohexanone	126	C8H14O	007214-49-5	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005628.D
Acq On : 24 May 2016 03:05
Operator : UM/SJ
Sample : H3086-17RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGL1RE

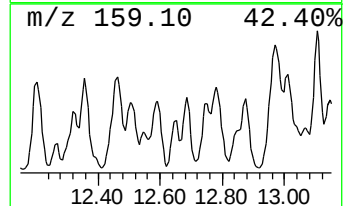
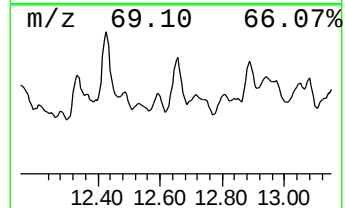
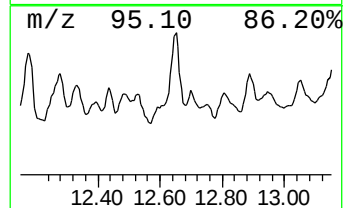
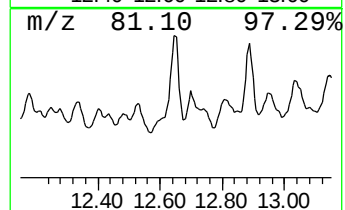
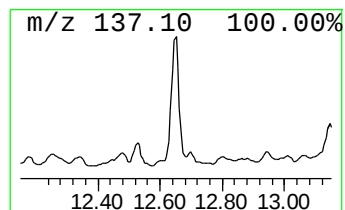
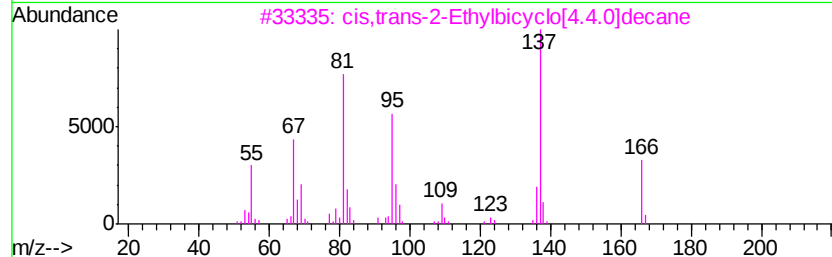
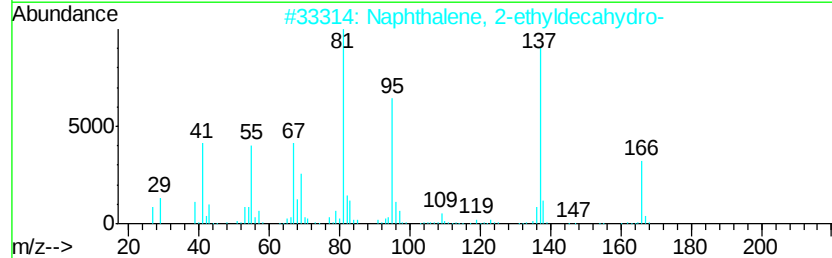
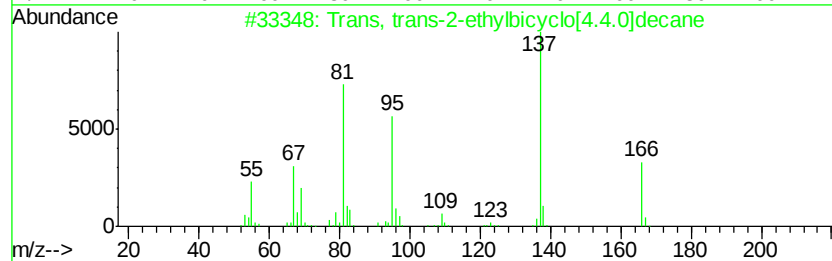
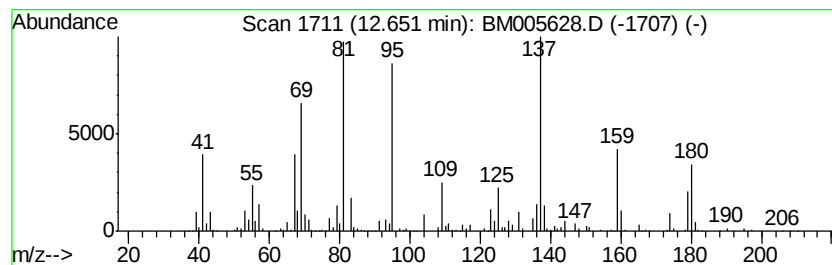
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Quant Title : SVOA CALIBRATION

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

Peak Number 62 (DEL) Alkane: Branched12.65 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	5.79 ng/ul	1737810	Acenaphthene-d10	14.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trans, trans-2-ethylbicyclo[4.4....	166	C12H22	066660-37-5	53
2		Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	53
3		cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	47
4		Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	47
5		4,5-Heptadien-2-one, 3,3,6-trime...	152	C10H16O	081250-41-1	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005628.D
 Acq On : 24 May 2016 03:05
 Operator : UM/SJ
 Sample : H3086-17RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL1RE

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...	5.40	2.0	ng/ul	111667	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	5.50	2.5	ng/ul	139644	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	5.69	14.3	ng/ul	794391	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	5.80	4.0	ng/ul	223735	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	5.90	25.1	ng/ul	1396830	1	7.80	1115090	20.0	
(DEL) Alkane: Str...	5.98	6.0	ng/ul	333000	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	6.06	31.8	ng/ul	1774610	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	6.20	14.7	ng/ul	821100	1	7.80	1115090	20.0	
(DEL) Alkane: Str...	6.29	25.1	ng/ul	1401750	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	6.36	18.7	ng/ul	1044890	1	7.80	1115090	20.0	
(DEL) Alkane: Str...	6.40	32.6	ng/ul	1815440	1	7.80	1115090	20.0	
unknown-01	6.47	46.3	ng/ul	2579470	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	6.56	30.8	ng/ul	1719650	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	6.62	39.1	ng/ul	2179620	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	6.69	4.4	ng/ul	247499	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	6.76	11.7	ng/ul	651476	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	6.90	14.0	ng/ul	782429	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	7.22	15.5	ng/ul	863443	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	7.46	15.5	ng/ul	866182	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	7.52	31.4	ng/ul	1750790	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	7.61	24.5	ng/ul	1364930	1	7.80	1115090	20.0	
Bicyclo[3.1.1]hep...	7.73	62.1	ng/ul	3463110	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	7.87	22.5	ng/ul	1252850	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	7.94	20.2	ng/ul	1126370	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	7.99	46.5	ng/ul	2592360	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	8.03	5.3	ng/ul	296420	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	8.07	8.7	ng/ul	486642	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	8.12	3.4	ng/ul	191590	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	8.15	16.4	ng/ul	913462	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	8.21	14.2	ng/ul	793559	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	8.25	11.7	ng/ul	652567	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	8.33	23.4	ng/ul	1306260	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	8.35	26.2	ng/ul	1458970	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	8.43	2.1	ng/ul	118754	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	8.67	55.1	ng/ul	3073220	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	8.78	35.2	ng/ul	1961500	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	8.90	58.1	ng/ul	3242240	1	7.80	1115090	20.0	
(DEL) Alkane: Cyc...	9.12	19.8	ng/ul	1103610	1	7.80	1115090	20.0	
unknown-02	9.15	38.6	ng/ul	2152440	1	7.80	1115090	20.0	
(DEL) Alkane: Bra...	9.23	3.0	ng/ul	659966	2	10.60	4356030	20.0	
(DEL) Alkane: Bra...	9.33	4.1	ng/ul	883812	2	10.60	4356030	20.0	
(DEL) Alkane: Bra...	9.52	15.8	ng/ul	3436330	2	10.60	4356030	20.0	
(DEL) Alkane: Bra...	10.30	3.9	ng/ul	838650	2	10.60	4356030	20.0	
(DEL) Alkane: Bra...	10.38	11.8	ng/ul	2574440	2	10.60	4356030	20.0	
unknown-03	10.67	9.2	ng/ul	1993120	2	10.60	4356030	20.0	
(DEL) Alkane: Bra...	10.89	3.3	ng/ul	725227	2	10.60	4356030	20.0	
(DEL) Alkane: Cyc...	11.09	12.0	ng/ul	2623140	2	10.60	4356030	20.0	
(DEL) Alkane: Bra...	11.28	24.4	ng/ul	5314250	2	10.60	4356030	20.0	
(DEL) Alkane: Bra...	11.79	11.7	ng/ul	2551370	2	10.60	4356030	20.0	

(DEL) Alkane: Cyc... 11.88 17.3 ng/ul 3762930 2 10.60 4356030 20.0
(DEL) Alkane: Bra... 12.65 5.8 ng/ul 1737810 3 14.46 6001460 20.0

Instrument :
BNA_M
ClientSampleId :
JHGL1RE