

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
 Data File : BM005603.D
 Acq On : 23 May 2016 01:06
 Operator : UM/SJ
 Sample : H3086-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL1

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.940	391	400	410	rVB2	71965	141708	1.73%	0.102%
2	5.704	522	530	539	rBV2	196614	406107	4.97%	0.294%
3	5.816	544	549	555	rVB2	72367	122880	1.50%	0.089%
4	5.916	561	566	575	rBV2	409151	724803	8.87%	0.524%
5	5.999	575	580	588	rVB2	82033	177853	2.18%	0.129%
6	6.081	588	594	601	rBV4	442315	935928	11.45%	0.677%
7	6.222	610	618	625	rVB4	162748	434272	5.31%	0.314%
8	6.304	625	632	639	rBV3	403151	755938	9.25%	0.547%
9	6.375	639	644	647	rBV	319618	557800	6.82%	0.403%
10	6.422	647	652	658	rVV3	338544	886966	10.85%	0.641%
11	6.487	658	663	673	rVV5	411698	1248998	15.28%	0.903%
12	6.575	673	678	683	rVB2	560901	833507	10.19%	0.603%
13	6.640	683	689	695	rVB3	653640	1228415	15.02%	0.888%
14	6.704	695	700	704	rBV5	80378	151906	1.86%	0.110%
15	6.781	708	713	717	rBV	225353	358320	4.38%	0.259%
16	6.916	731	736	740	rBV3	275610	463914	5.67%	0.335%
17	6.981	740	747	762	rVB4	443459	1564784	19.14%	1.132%
18	7.098	762	767	771	rBV	659191	1171552	14.33%	0.847%
19	7.146	771	775	780	rVV4	853798	1590152	19.45%	1.150%
20	7.198	780	784	788	rVV2	770472	1121522	13.72%	0.811%
21	7.240	788	791	797	rVB2	314727	496515	6.07%	0.359%
22	7.316	797	804	807	rBV4	374102	785660	9.61%	0.568%
23	7.357	807	811	818	rVB6	278932	680202	8.32%	0.492%
24	7.475	826	831	837	rBV6	230943	505409	6.18%	0.365%
25	7.540	837	842	848	rBV3	524330	1023851	12.52%	0.740%
26	7.634	852	858	866	rVB7	242741	800561	9.79%	0.579%
27	7.745	866	877	881	rBV3	761128	2270069	27.77%	1.642%
28	7.816	887	889	895	rVB	326044	489969	5.99%	0.354%
29	7.887	895	901	906	rVB3	428161	747442	9.14%	0.540%
30	7.957	906	913	915	rBV4	282246	678167	8.29%	0.490%
31	8.004	915	921	925	rVV3	779355	1591881	19.47%	1.151%
32	8.045	925	928	931	rVV3	136741	192230	2.35%	0.139%
33	8.093	932	936	940	rVV2	247742	437512	5.35%	0.316%
34	8.134	940	943	945	rVV3	154050	226887	2.78%	0.164%

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35	8.163	945	948	954	rVV3	342059	568360	6.95%	0.411%
36	8.228	954	959	962	rVV3	289517	506178	6.19%	0.366%
37	8.257	962	964	970	rVB2	279435	399719	4.89%	0.289%
38	8.345	970	979	980	rBV4	357401	814801	9.97%	0.589%
39	8.369	980	983	993	rVB2	532786	935539	11.44%	0.677%
40	8.534	1005	1011	1016	rBV4	488208	973207	11.90%	0.704%
41	8.687	1028	1037	1047	rBV10	506601	1950571	23.86%	1.410%
42	8.798	1051	1056	1065	rVB5	404631	1174465	14.36%	0.849%
43	8.916	1065	1076	1081	rBV6	687681	2061096	25.21%	1.490%
44	8.981	1082	1087	1092	rBV	245130	511435	6.26%	0.370%
45	9.075	1100	1103	1108	rVB4	331961	531891	6.51%	0.385%
46	9.134	1108	1113	1114	rBV3	475960	728701	8.91%	0.527%
47	9.163	1115	1118	1126	rVB5	717339	1379488	16.87%	0.998%
48	9.239	1126	1131	1133	rBV4	242259	429935	5.26%	0.311%
49	9.351	1144	1150	1153	rBV3	269436	586283	7.17%	0.424%
50	9.534	1174	1181	1193	rVB2	1512599	3398704	41.57%	2.458%
51	9.792	1219	1225	1231	rBV3	1010647	2015687	24.65%	1.458%
52	9.898	1239	1243	1246	rBV2	321961	522855	6.40%	0.378%
53	9.934	1246	1249	1251	rBV4	137024	205548	2.51%	0.149%
54	10.016	1259	1263	1266	rBV4	166211	362160	4.43%	0.262%
55	10.116	1276	1280	1287	rBV6	163008	331735	4.06%	0.240%
56	10.192	1288	1293	1297	rBV7	333155	783325	9.58%	0.566%
57	10.245	1299	1302	1307	rVB2	541807	814000	9.96%	0.589%
58	10.310	1309	1313	1315	rBV2	384996	612074	7.49%	0.443%
59	10.398	1323	1328	1338	rVB2	703767	1793305	21.93%	1.297%
60	10.581	1353	1359	1362	rBV3	1092968	2276686	27.85%	1.646%
61	10.622	1362	1366	1372	rVV3	1482309	2991092	36.58%	2.163%
62	10.681	1372	1376	1381	rVV4	790026	1525456	18.66%	1.103%
63	10.739	1381	1386	1394	rVB7	675549	1573471	19.25%	1.138%
64	10.904	1411	1414	1418	rVB4	384842	523976	6.41%	0.379%
65	11.104	1443	1448	1452	rVB4	1206897	2099303	25.68%	1.518%
66	11.298	1472	1481	1490	rBV5	1213672	4038831	49.40%	2.921%
67	11.381	1491	1495	1498	rVV2	466611	712788	8.72%	0.515%
68	11.669	1539	1544	1548	rBV3	1277334	2389805	29.23%	1.728%
69	11.804	1563	1567	1574	rBV5	997667	2017169	24.67%	1.459%
70	11.898	1575	1583	1587	rBV3	974293	2823290	34.53%	2.042%
71	12.086	1609	1615	1621	rVB6	951989	2100683	25.69%	1.519%

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72	12.245	1638	1642	1650	rVB	1173633	2147192	26.26%	1.553%
73	12.375	1657	1664	1667	rBV2	898353	2302519	28.16%	1.665%
74	12.480	1679	1682	1687	rVB3	1180215	1640310	20.06%	1.186%
75	12.663	1710	1713	1718	rVB4	787179	1213340	14.84%	0.877%
76	12.757	1725	1729	1733	rBV3	734593	1166090	14.26%	0.843%
77	12.898	1748	1753	1758	rVB6	1526208	2991277	36.59%	2.163%
78	13.269	1814	1816	1824	rVB3	1440354	2127998	26.03%	1.539%
79	13.522	1855	1859	1863	rBV2	1651373	2462408	30.12%	1.781%
80	14.192	1970	1973	1983	rVB4	1527957	3157750	38.62%	2.283%
81	14.598	2039	2042	2048	rVB4	1782562	2543137	31.11%	1.839%
82	15.092	2121	2126	2131	rBV	4069095	8175969	100.00%	5.912%
83	15.245	2148	2152	2157	rBV4	2379217	4537241	55.49%	3.281%
84	15.739	2232	2236	2240	rBV3	1922484	3162257	38.68%	2.287%
85	18.098	2633	2637	2640	rBV	2110563	3130375	38.29%	2.264%
86	19.009	2788	2792	2797	rBV	2523170	3953324	48.35%	2.859%
87	19.274	2833	2837	2842	rVB	4174857	5902990	72.20%	4.269%
88	19.604	2890	2893	2895	rBV3	1488451	2083143	25.48%	1.506%
89	19.639	2895	2899	2906	rVB2	4364647	7343623	89.82%	5.310%
90	21.374	3190	3194	3199	rBV2	1394804	2982808	36.48%	2.157%

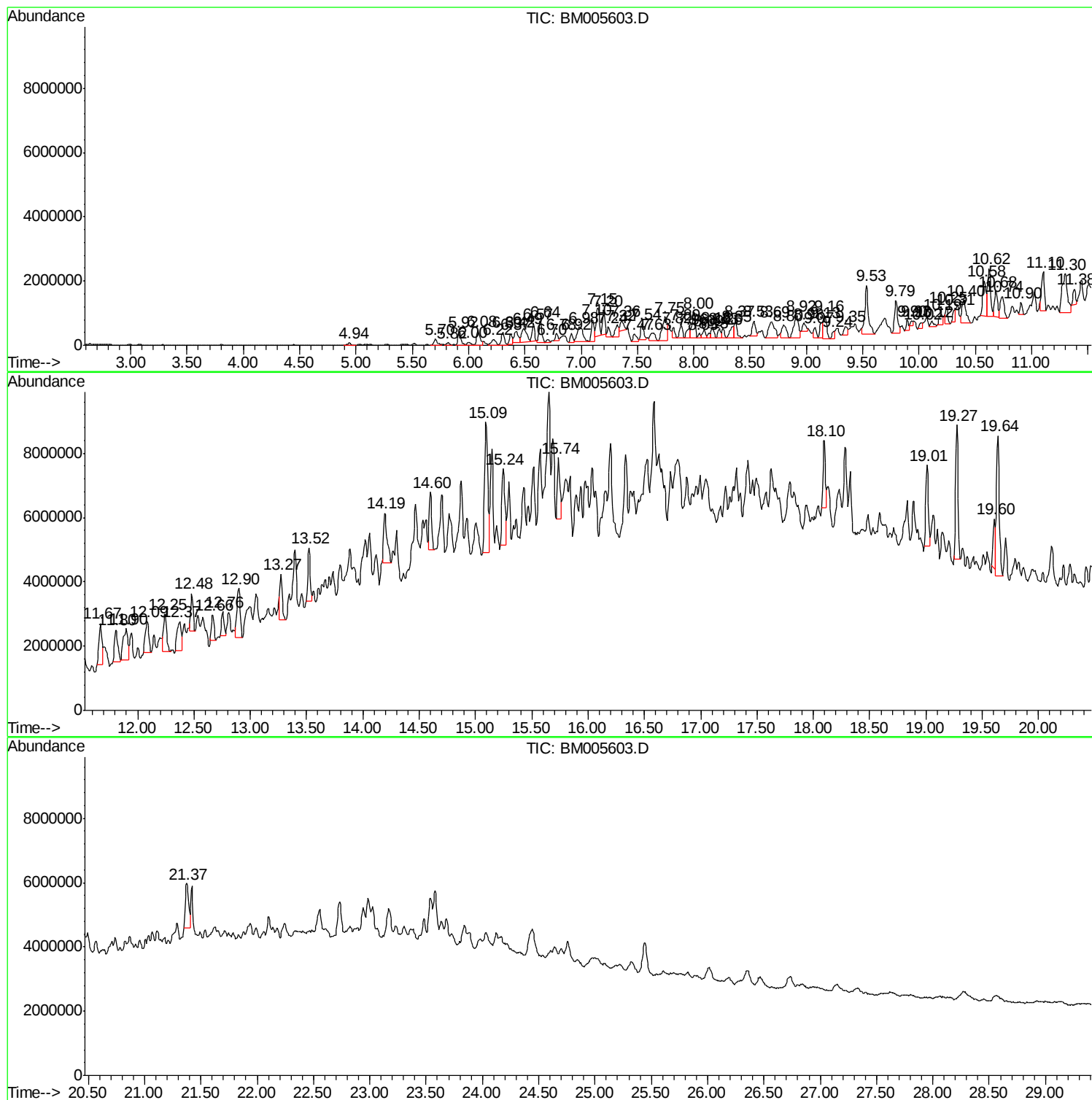
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



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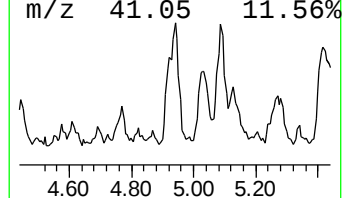
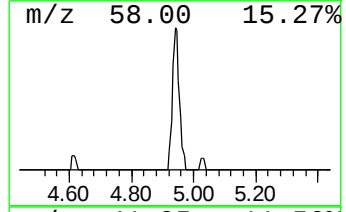
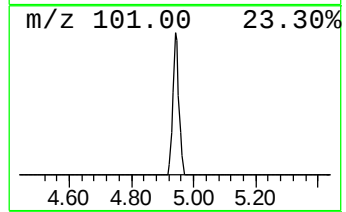
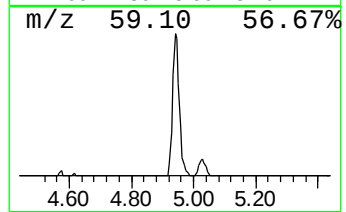
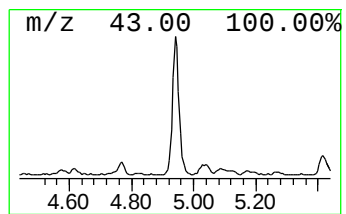
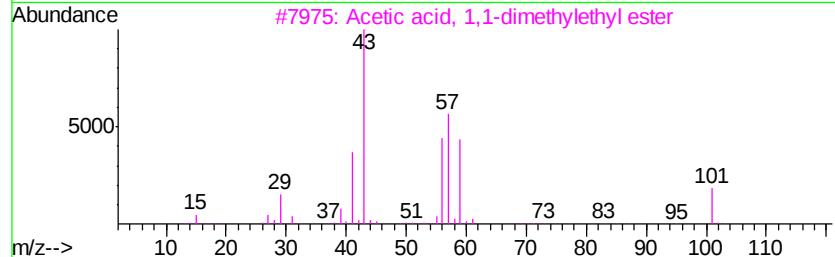
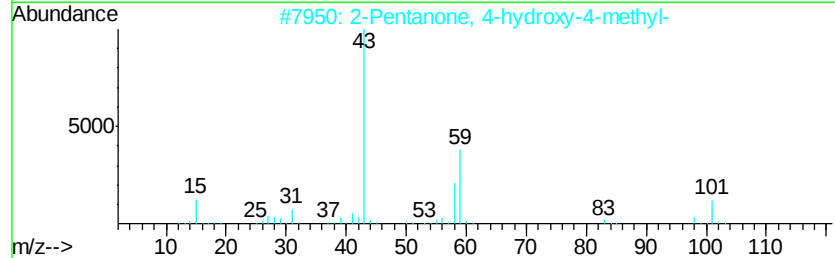
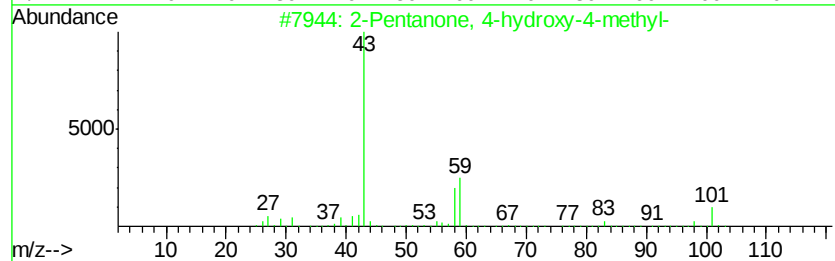
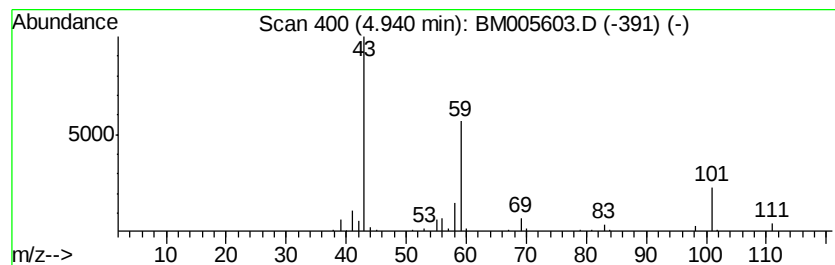
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	5.78 ng/ul	141708	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	10



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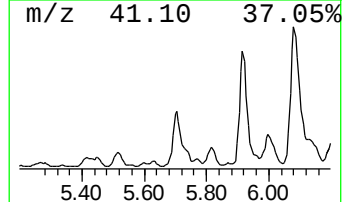
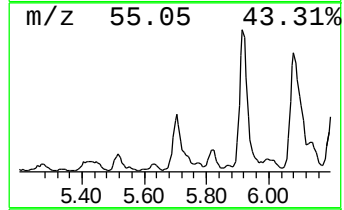
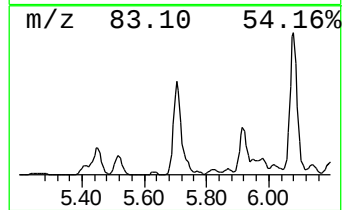
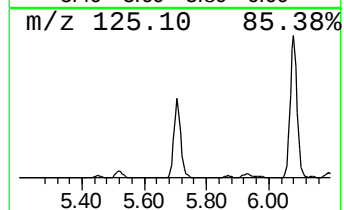
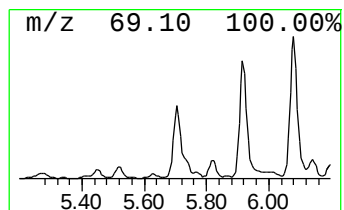
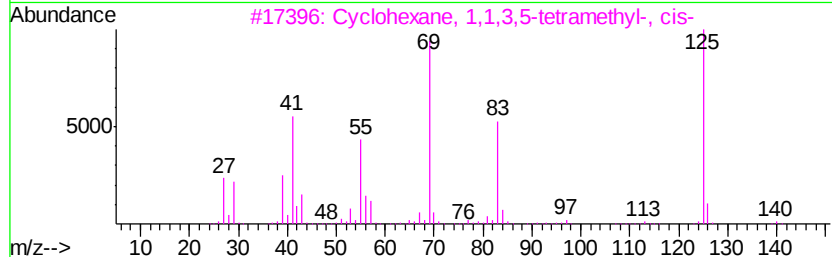
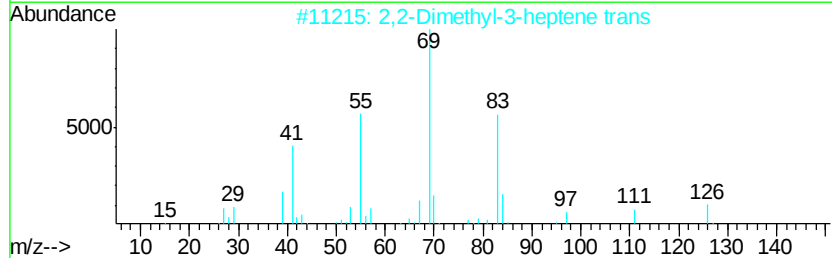
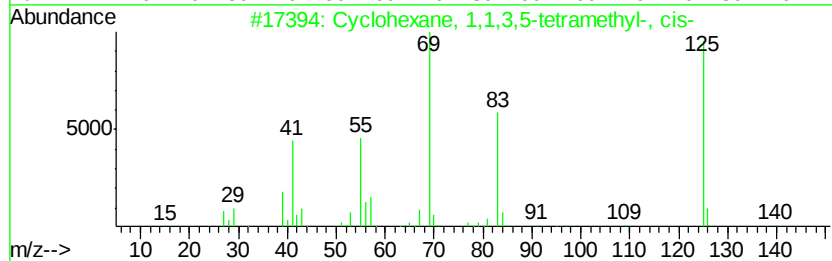
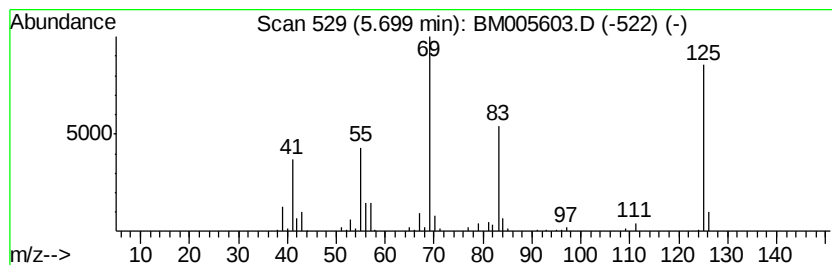
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Cyclic5.70 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	16.58 ng/ul	406107	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	90
2			2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	49
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	47
4			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	40
5			2,4,6-Pyrimidinetriamine	125	C4H7N5	001004-38-2	38



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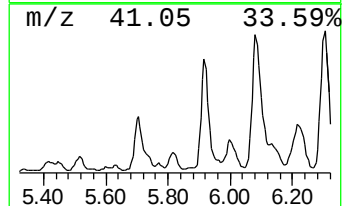
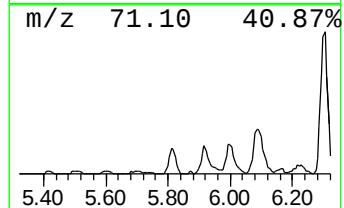
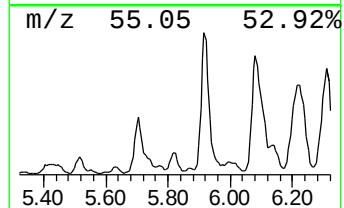
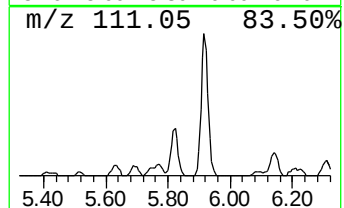
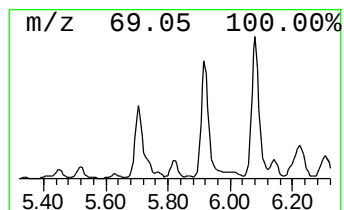
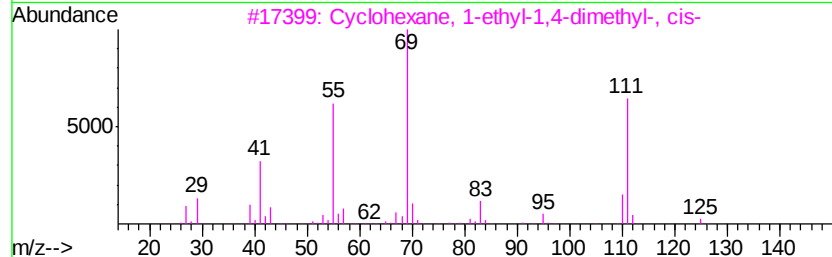
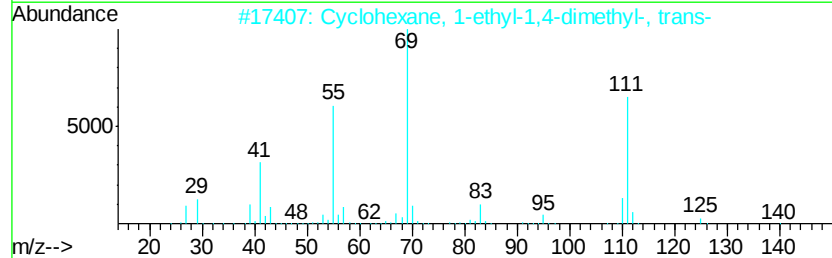
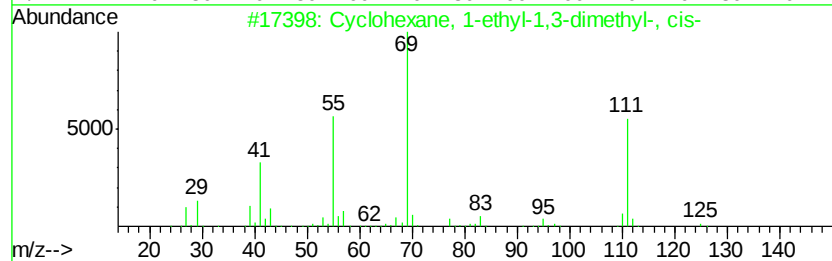
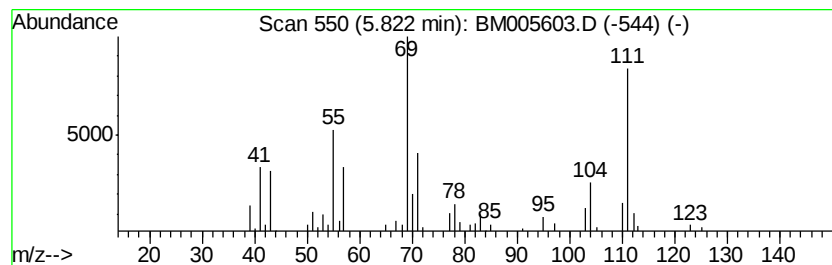
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 (DEL) Alkane: Cyclic5.82 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	5.02 ng/ul	122880	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	50
2		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	50
3		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	50
4		Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	42
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	40



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ClientSampled :
JHGL1

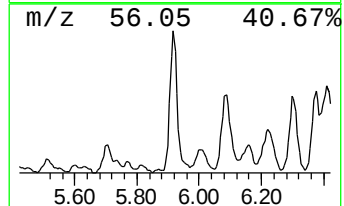
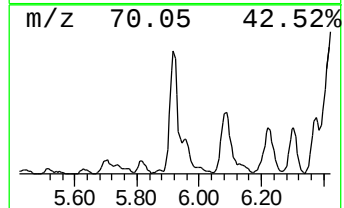
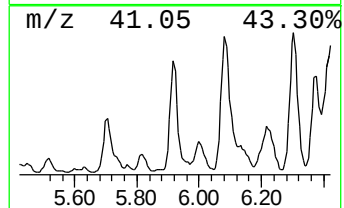
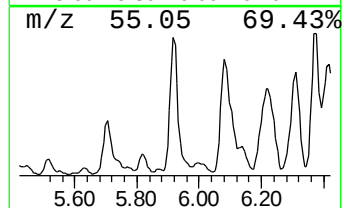
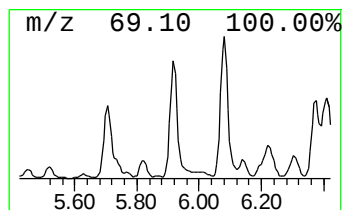
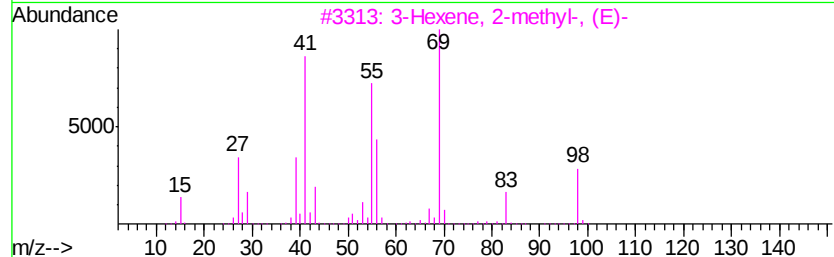
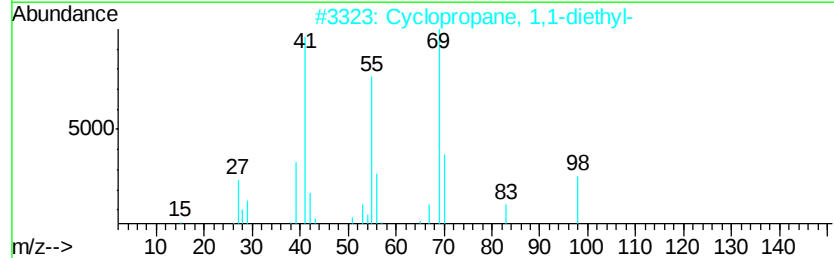
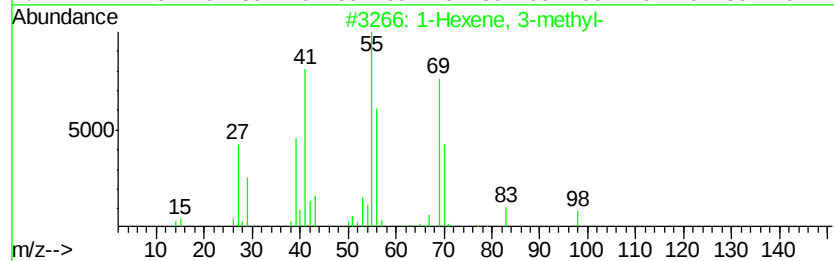
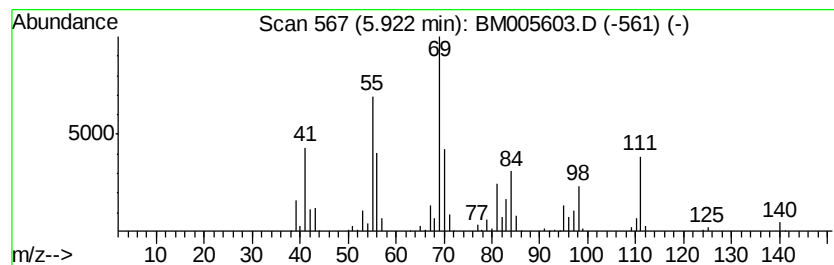
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic5.92 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	29.59 ng/ul	724803	1,4-Dichlorobenzene-d4	7.82

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		4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	47
5		3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	46



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Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
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ClientSampleId :
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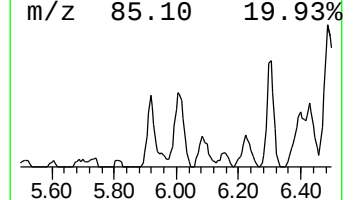
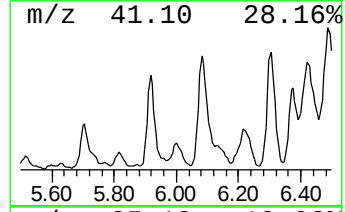
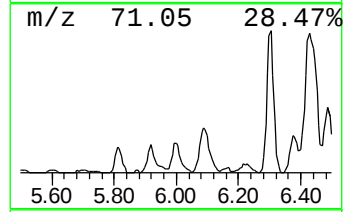
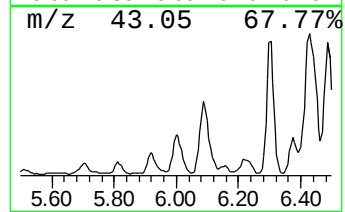
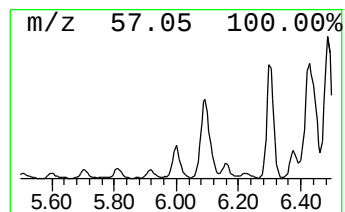
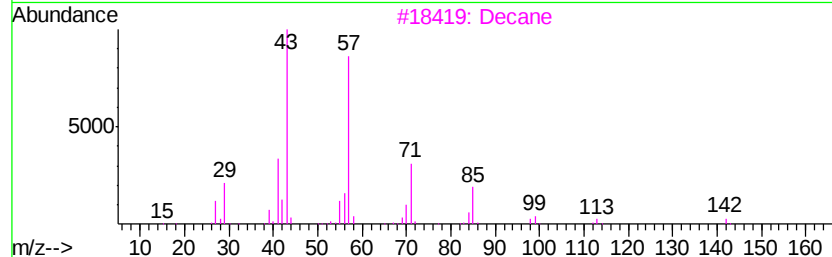
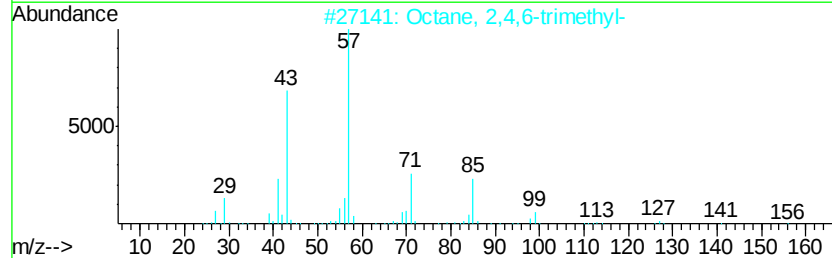
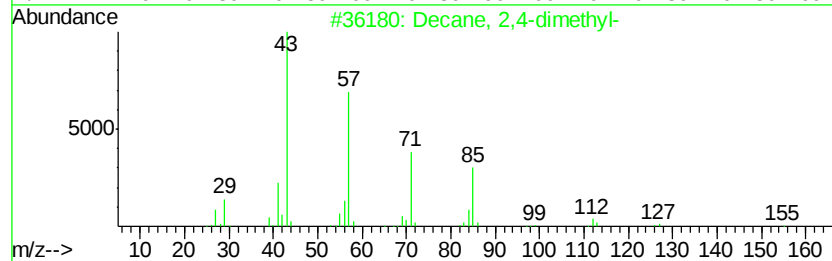
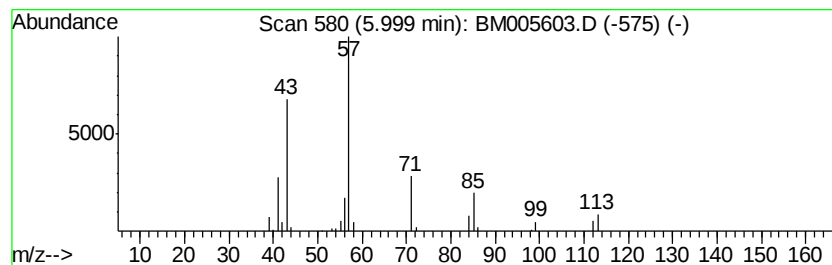
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	7.26 ng/ul	177853	1,4-Dichlorobenzene-d4	7.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4-dimethyl-		170	C12H26	002801-84-5	59
2	Octane, 2,4,6-trimethyl-		156	C11H24	062016-37-9	56
3	Decane		142	C10H22	000124-18-5	56
4	Eicosane		282	C20H42	000112-95-8	53
5	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	53



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Misc :
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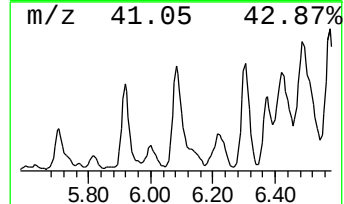
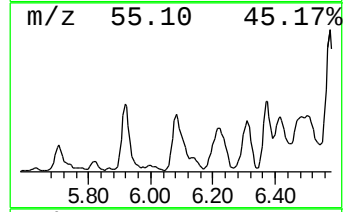
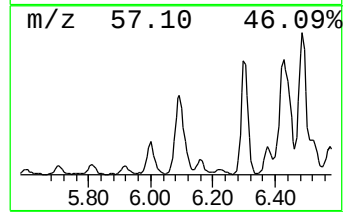
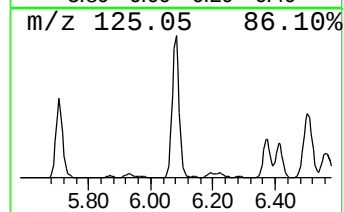
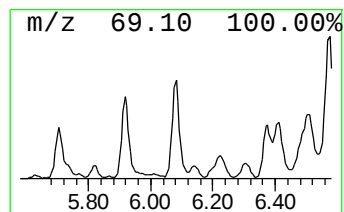
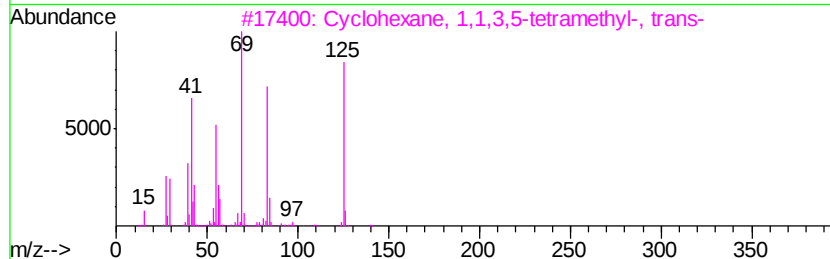
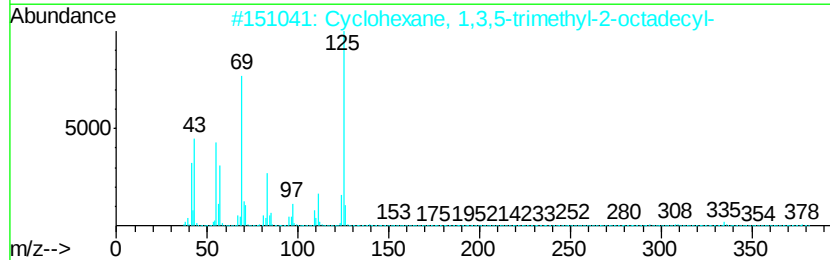
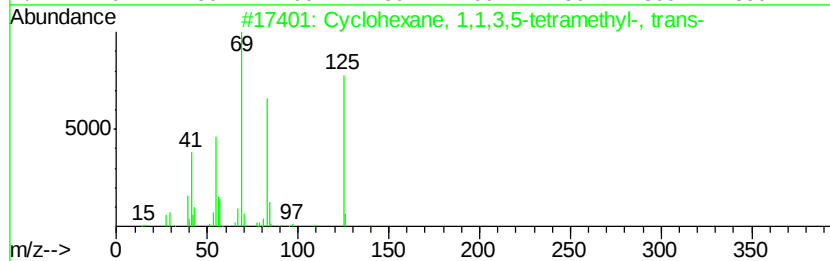
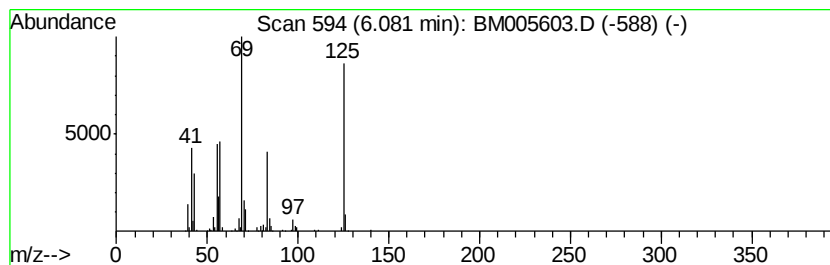
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic6.08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	38.20 ng/ul	935928	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
2			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	56
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	53
4			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	49



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Data File : BM005603.D
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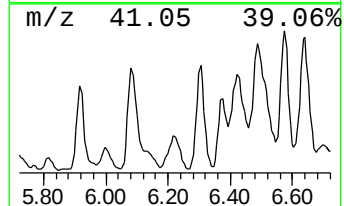
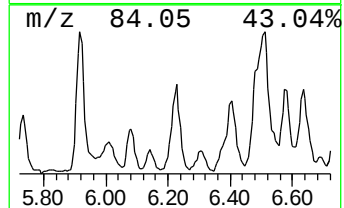
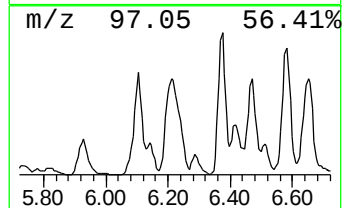
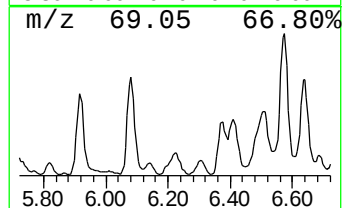
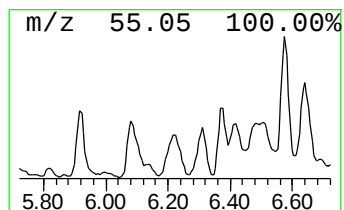
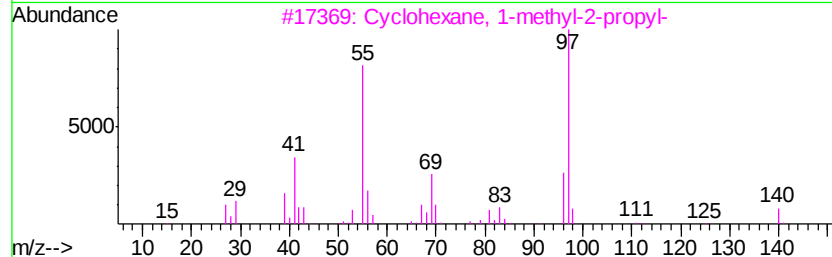
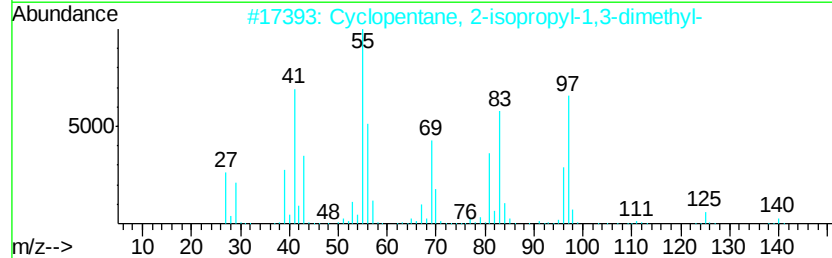
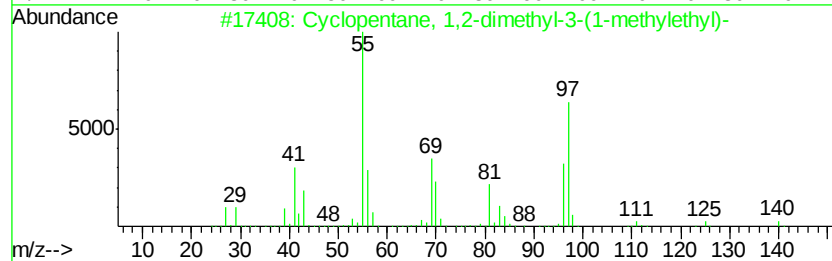
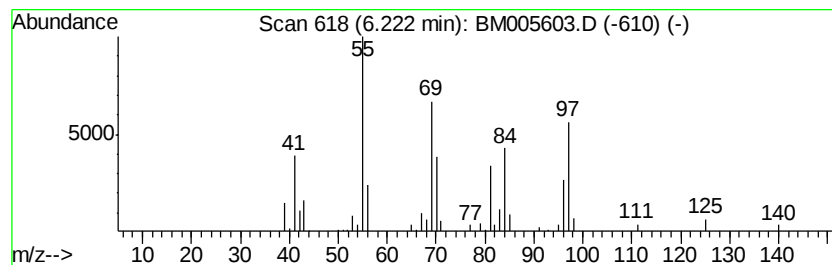
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Cyclic6.22 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	17.73 ng/ul	434272	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	52
2		Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	43
3		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	35
5		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	35



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
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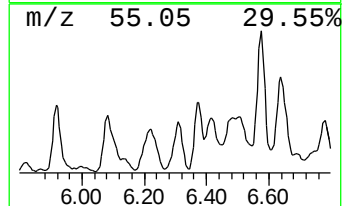
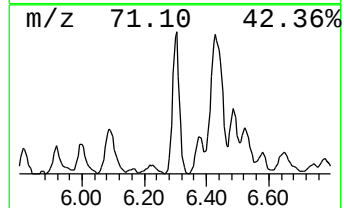
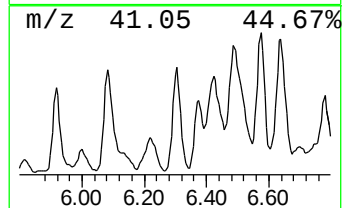
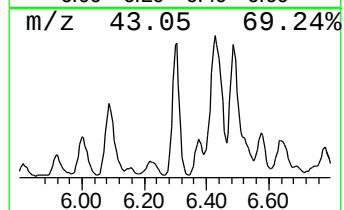
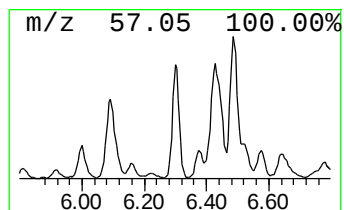
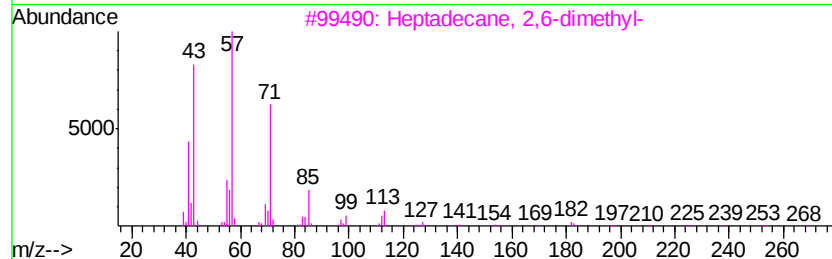
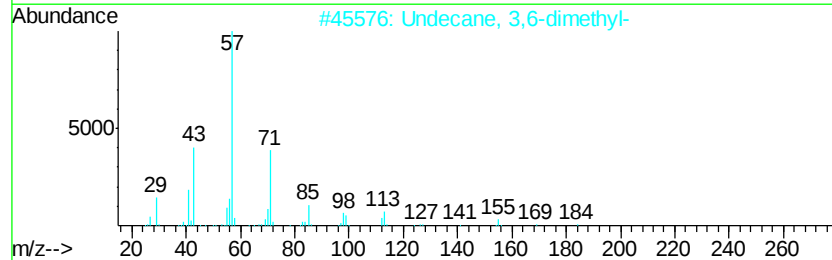
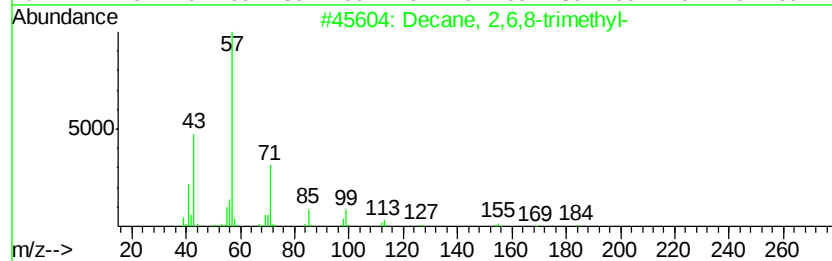
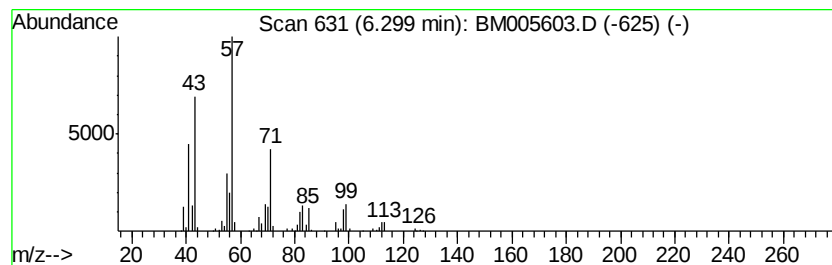
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	30.86 ng/ul	755938	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	53
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50
3		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	50
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	47
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43



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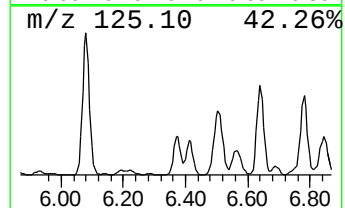
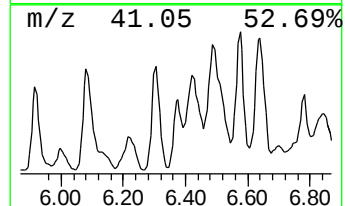
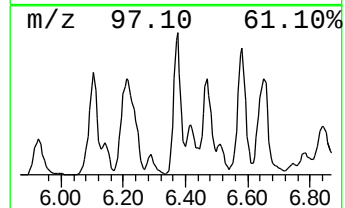
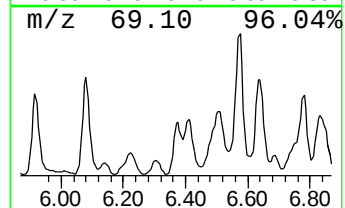
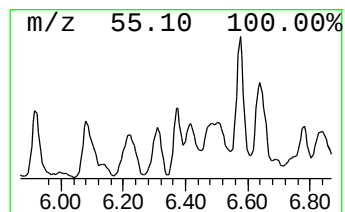
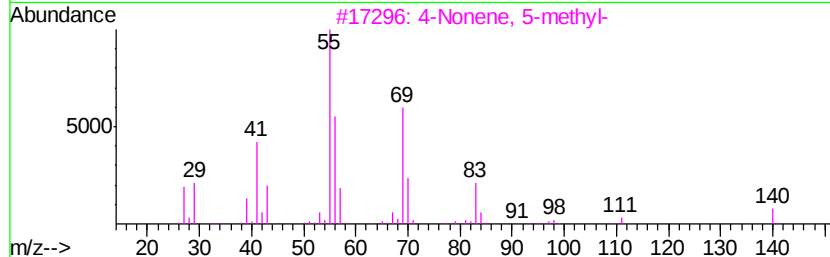
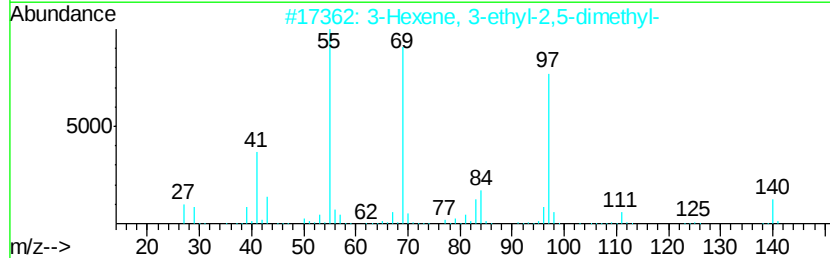
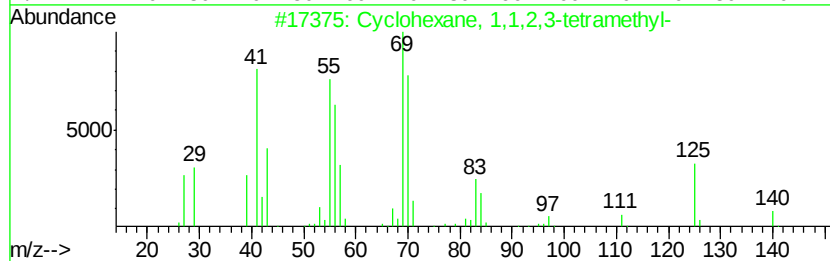
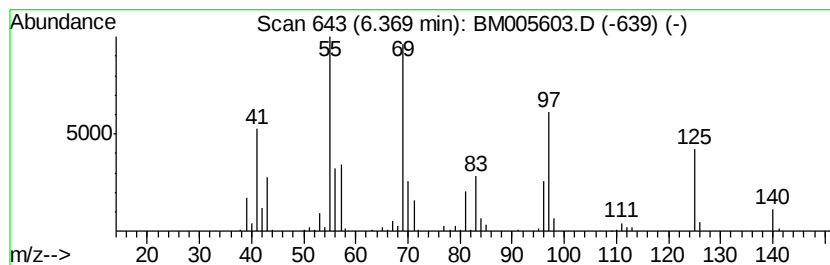
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Cyclic6.37 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	22.77 ng/ul	557800	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	49
2		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	46
3		4-Nonene, 5-methyl-	140	C10H20	015918-07-7	38
4		Cyclohexane, 1-isopropyl-3-methy...	140	C10H20	1000158-54-3	25
5		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	25



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
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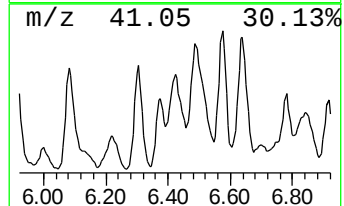
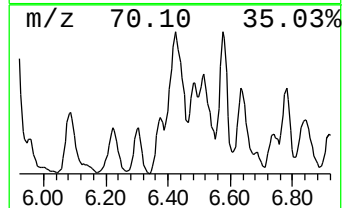
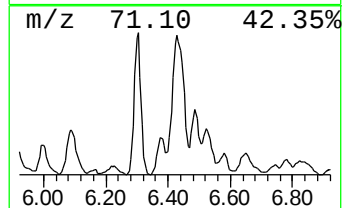
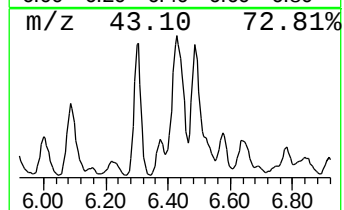
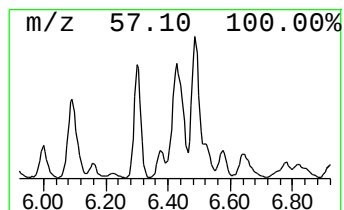
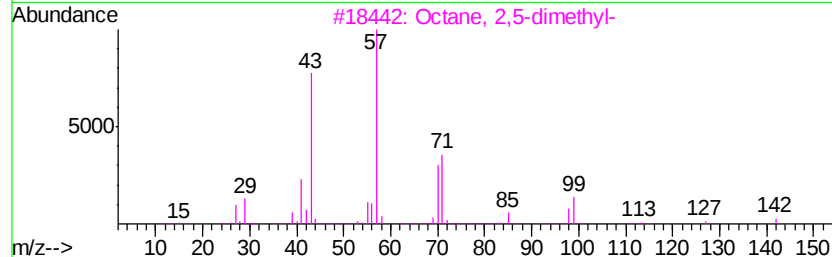
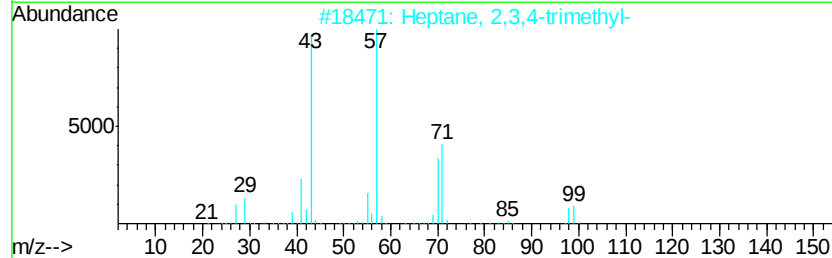
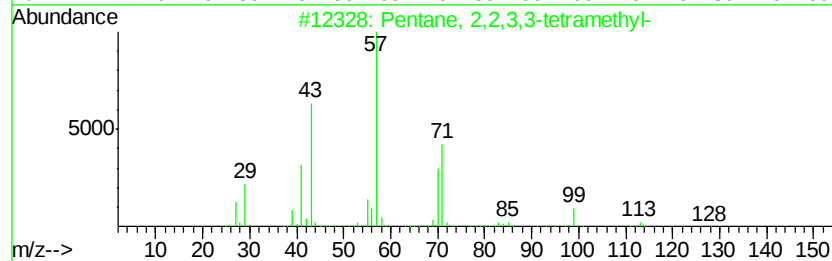
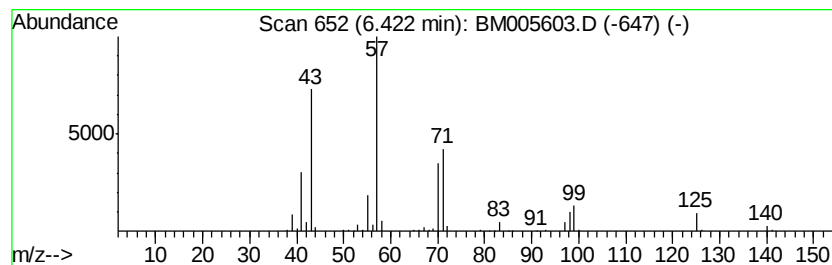
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	36.21 ng/ul	886966	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
2		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
3		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	50
4		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	45
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	43



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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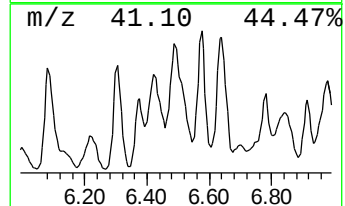
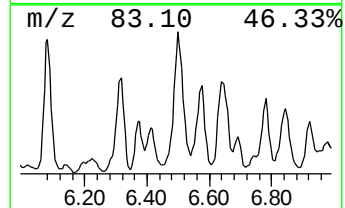
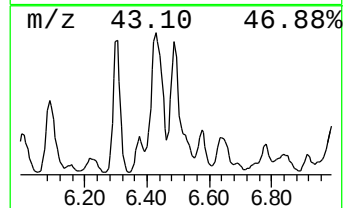
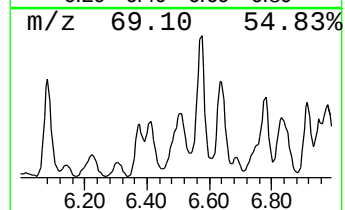
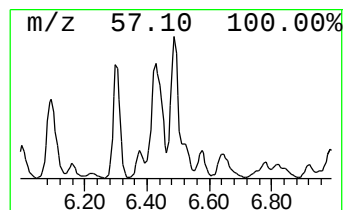
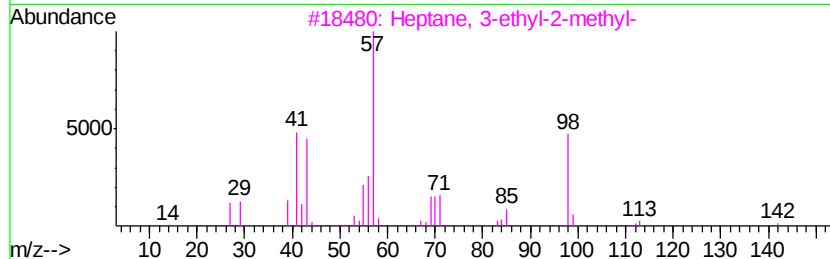
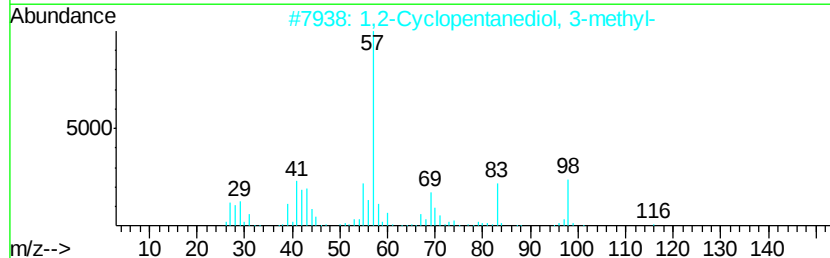
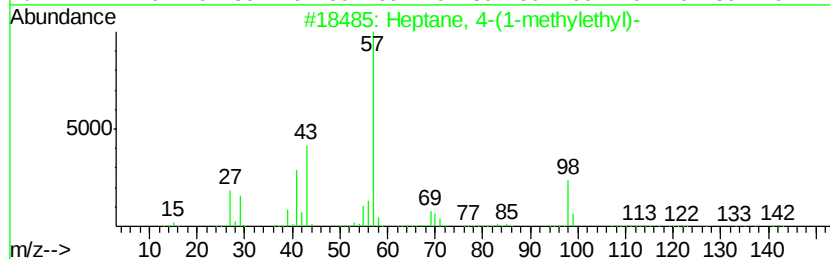
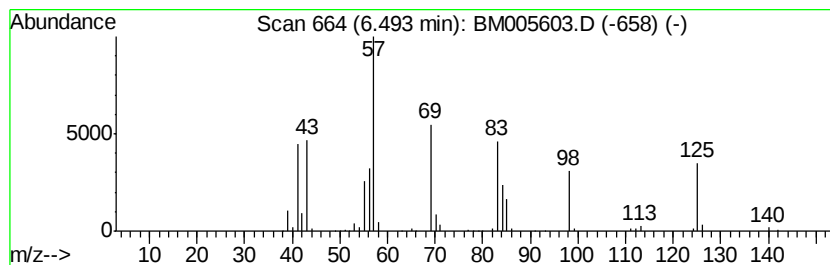
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	50.98 ng/ul	1249000	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	43
2		1,2-Cyclopentanediol, 3-methyl-	116	C6H12O2	027583-37-5	42
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38
4		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	38
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	37



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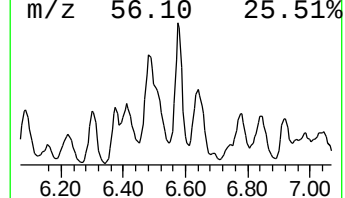
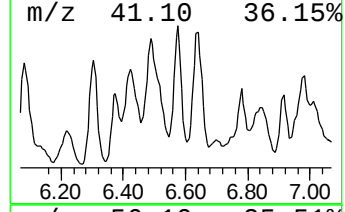
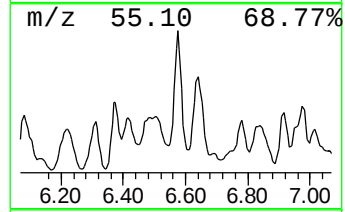
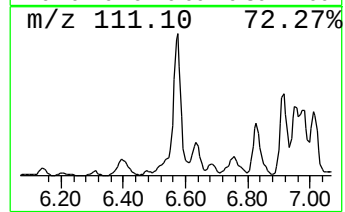
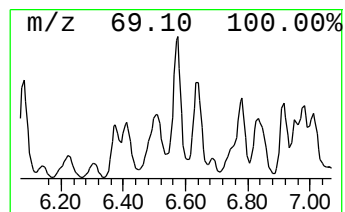
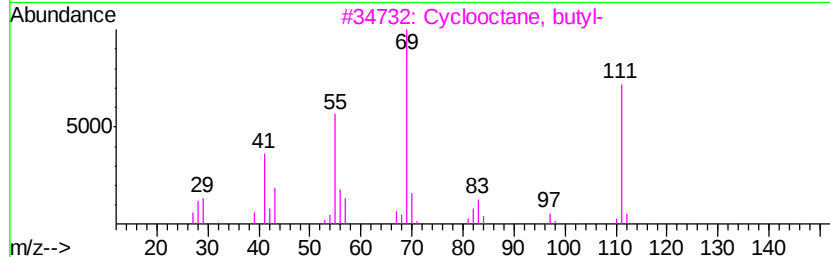
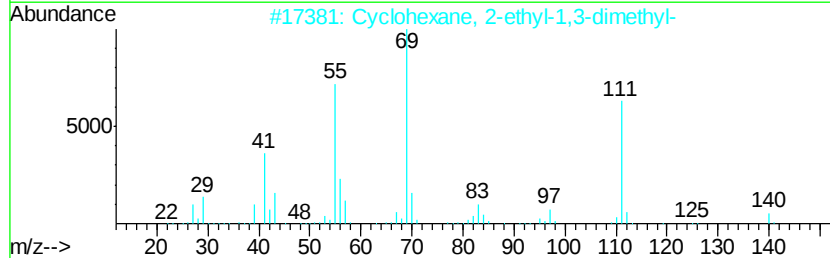
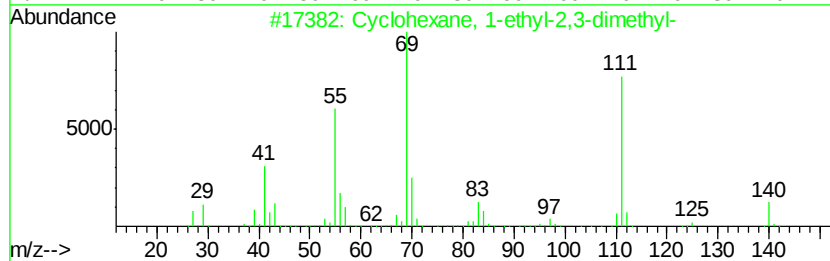
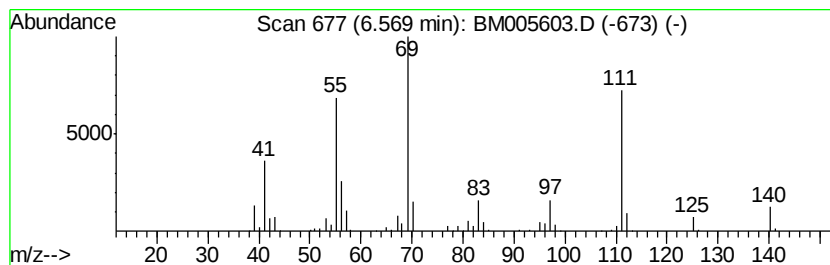
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Cyclic6.57 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	34.02 ng/ul	833507	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
2		Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	80
3		Cyclooctane, butyl-	168	C12H24	016538-93-5	59
4		3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	46
5		cis-4-Decene	140	C10H20	019398-88-0	35



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Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

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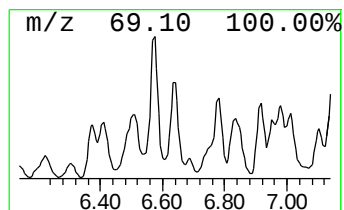
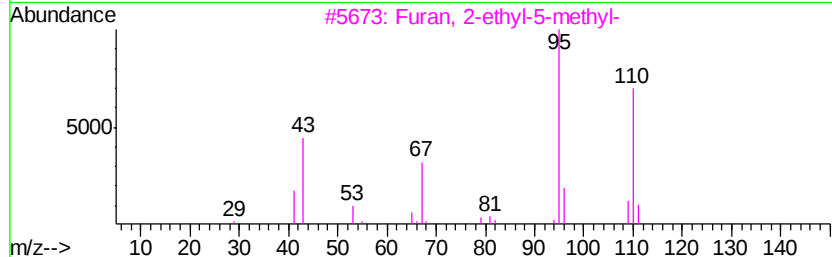
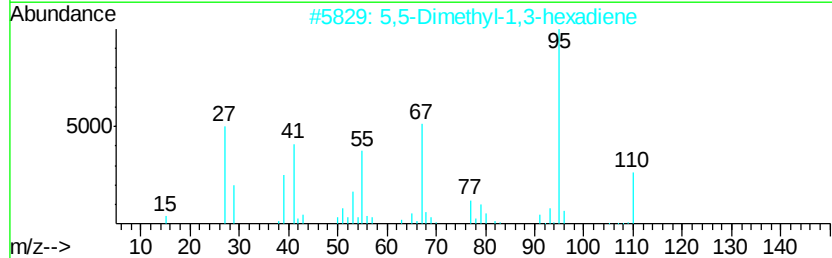
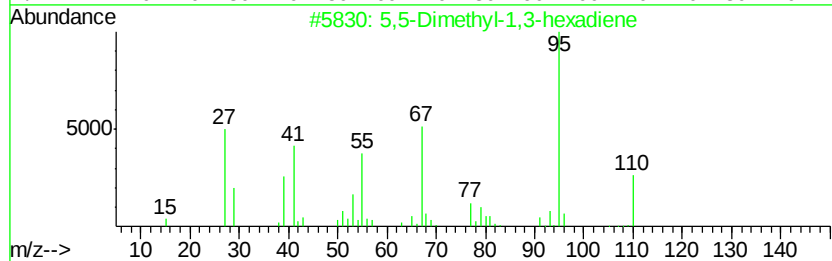
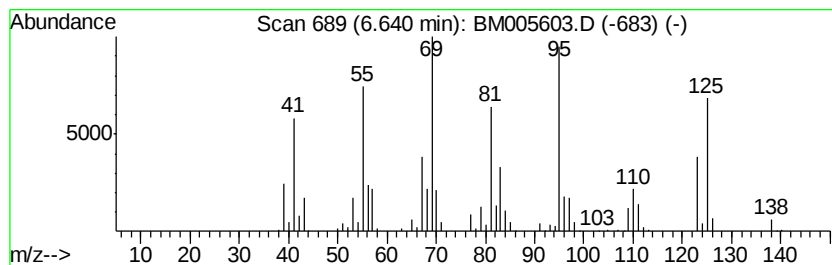
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Branched6.64 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	50.14 ng/ul	1228420	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	42
2		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	38
3		Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	38
4		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	38
5		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	38



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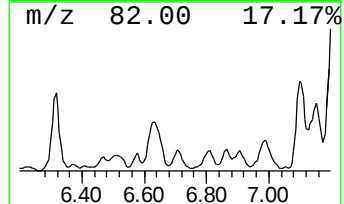
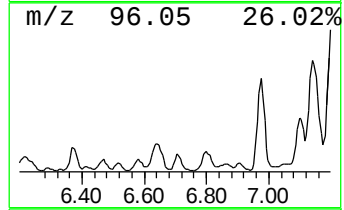
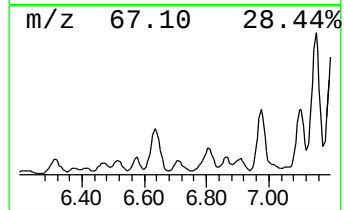
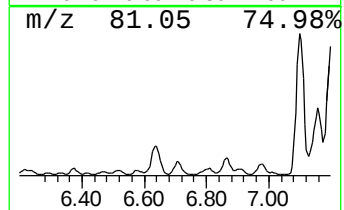
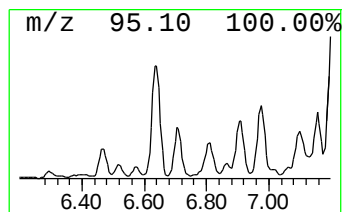
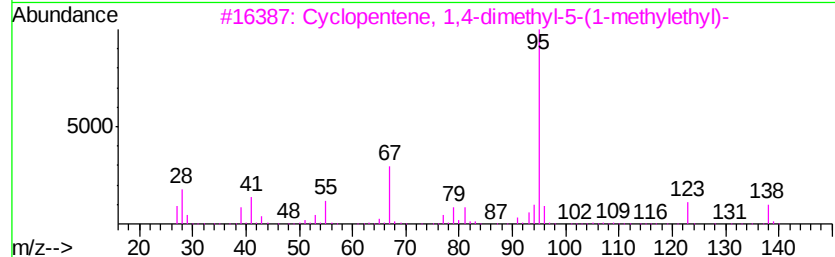
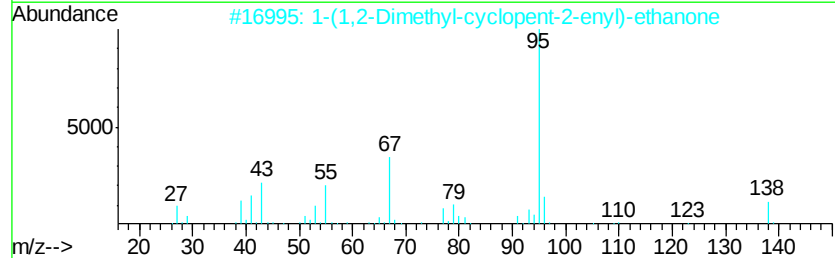
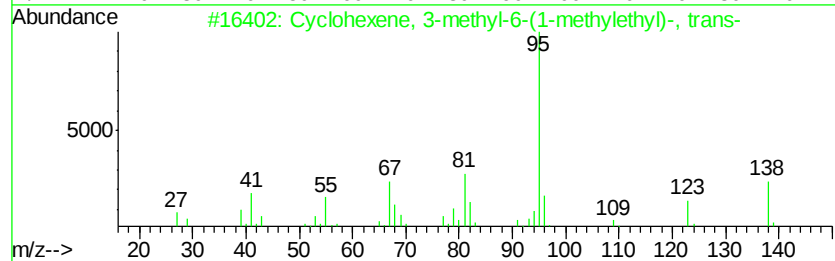
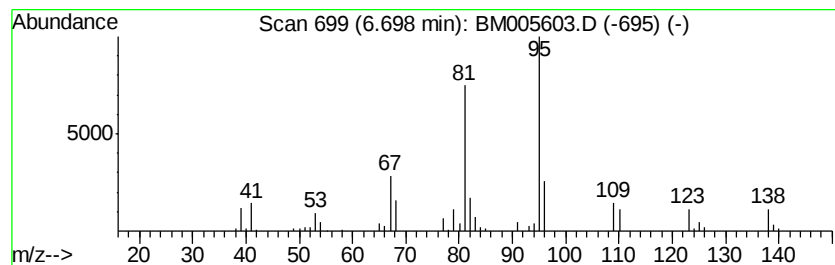
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Branched6.70 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	6.20 ng/ul	151906	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	72
2		1-(1,2-Dimethyl-cyclopent-2-enyl...	138	C9H14O	070987-82-5	62
3		Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	62
4		Cyclopentene, 1-isopropyl-4,5-di...	138	C10H18	007712-74-5	53
5		Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	53



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
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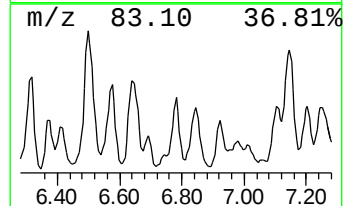
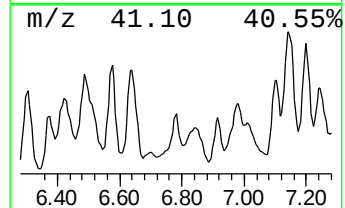
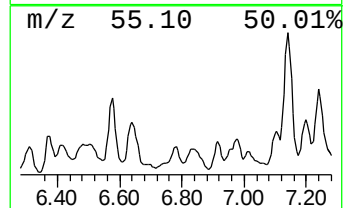
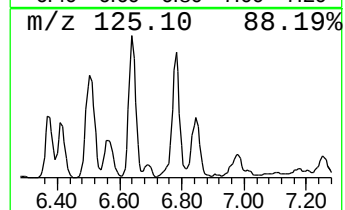
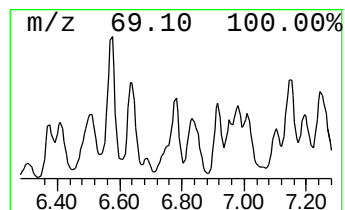
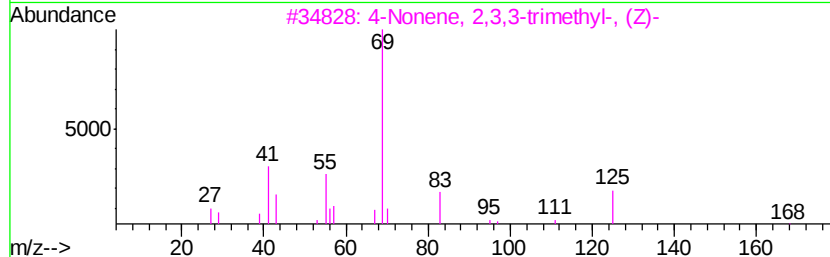
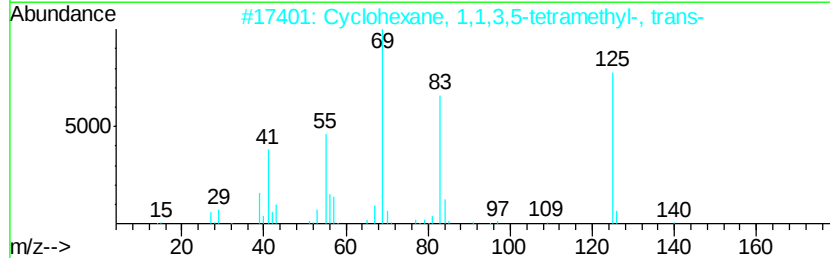
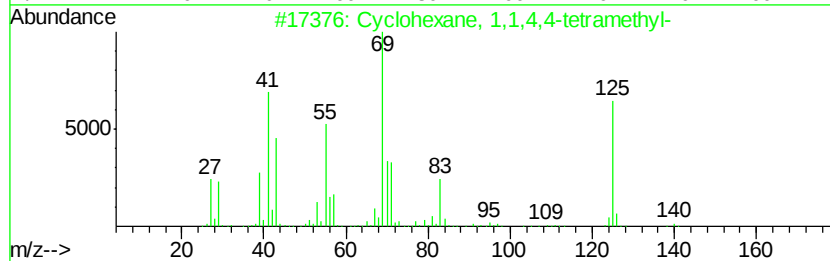
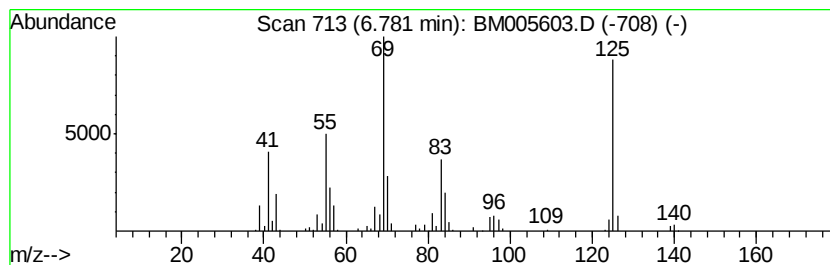
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Cyclic6.78 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	14.63 ng/ul	358320	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	83
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	59
3			4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	59
4			1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	53
5			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	50



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ClientSampleId :
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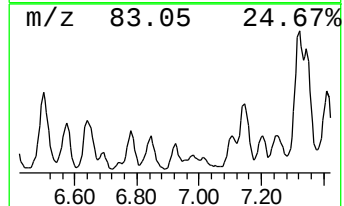
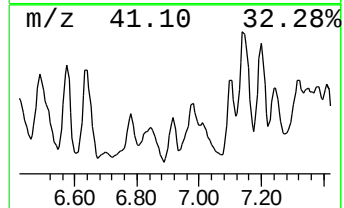
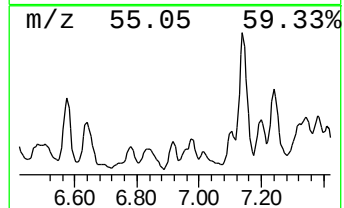
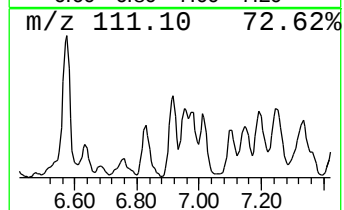
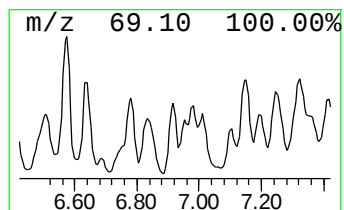
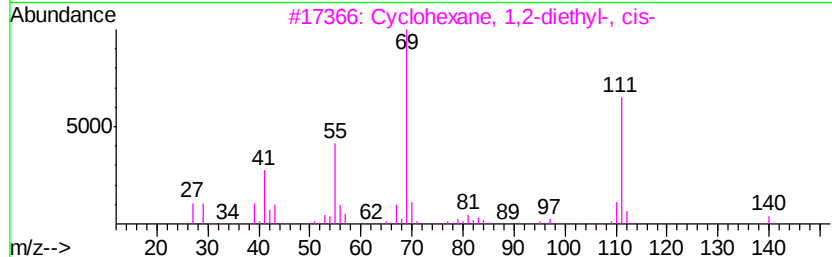
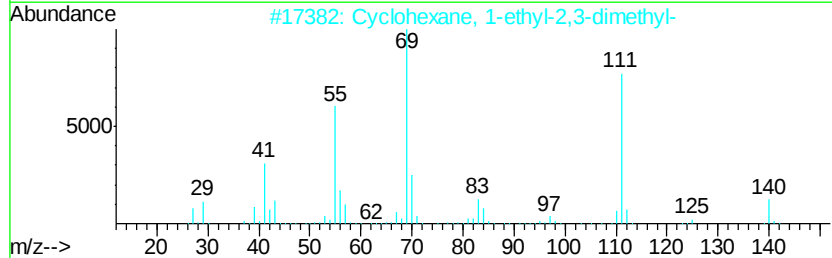
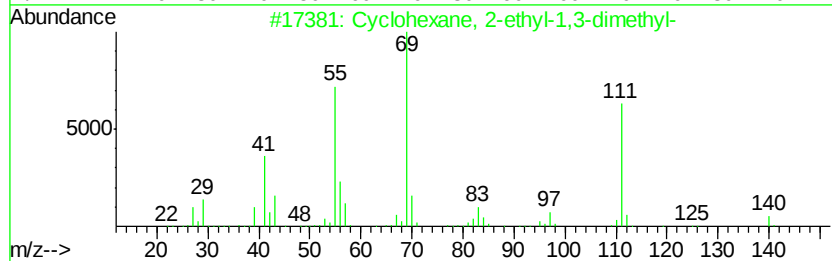
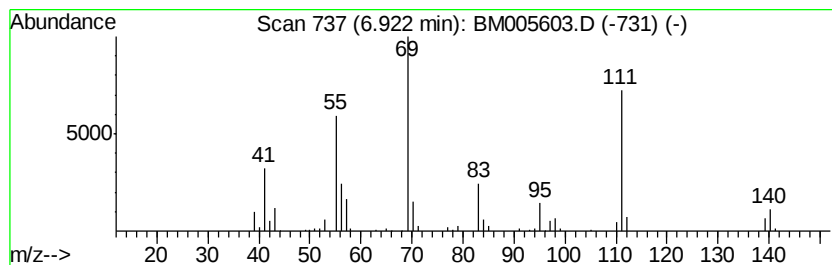
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TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Cyclic6.92 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	18.94 ng/ul	463914	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	83
2		Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	80
3		Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	64
4		Cyclooctane, butyl-	168	C12H24	016538-93-5	64
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64



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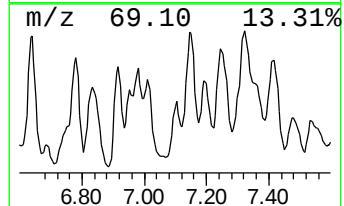
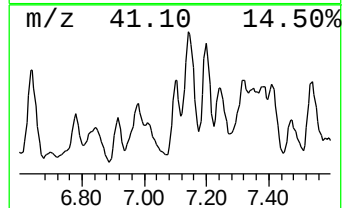
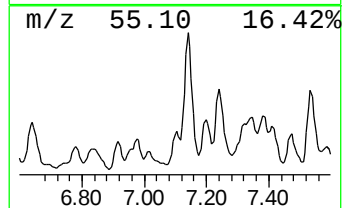
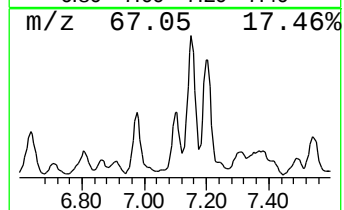
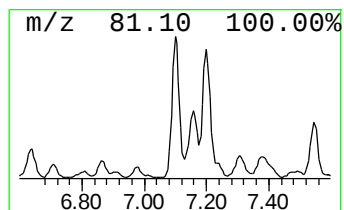
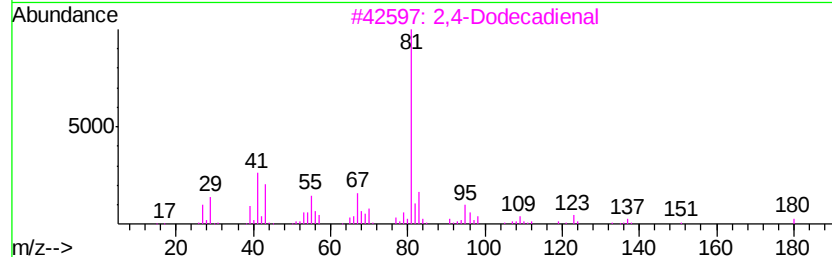
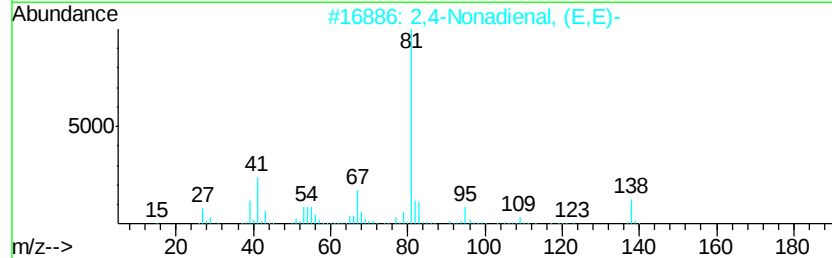
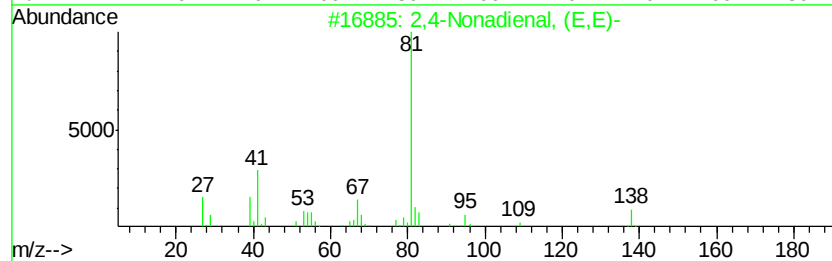
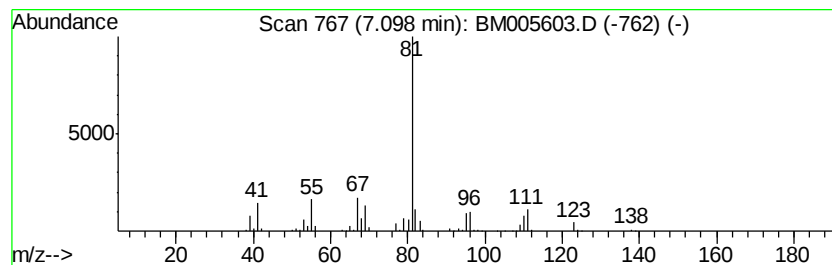
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 2,4-Nonadienal, (E,E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	47.82 ng/ul	1171550	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	59
2		2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	53
3		2,4-Dodecadienal	180	C12H20O	013162-47-5	50
4		Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	45
5		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	18



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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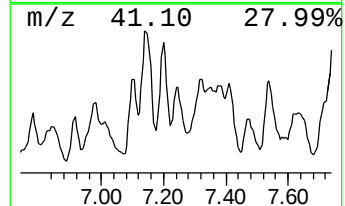
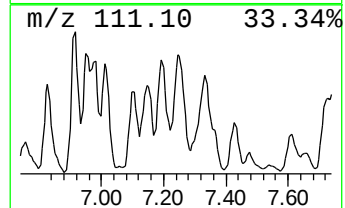
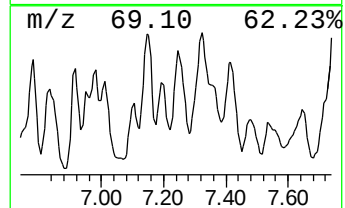
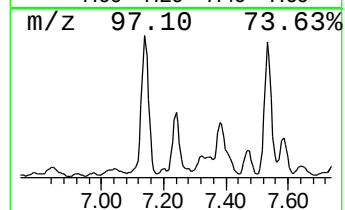
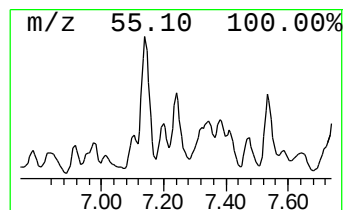
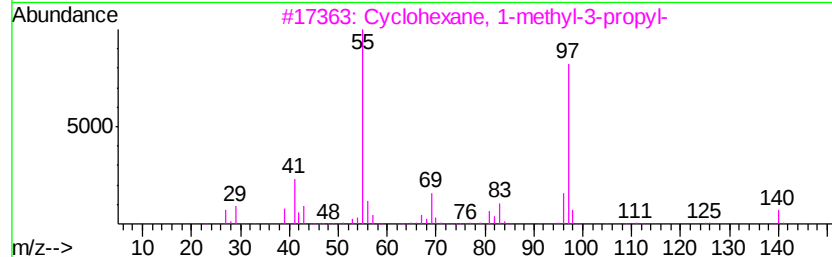
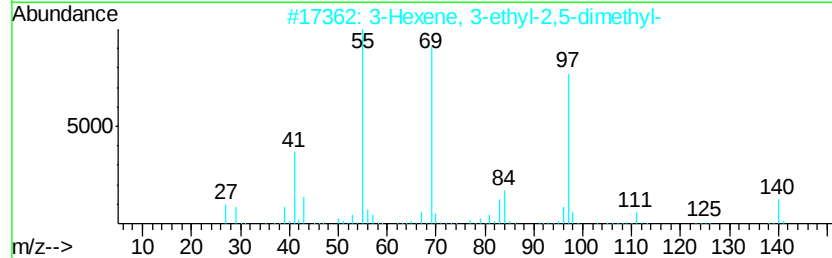
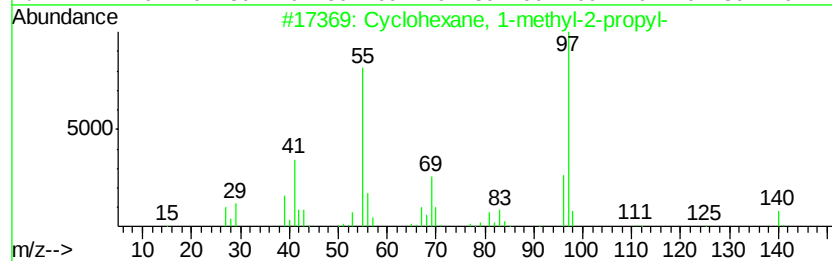
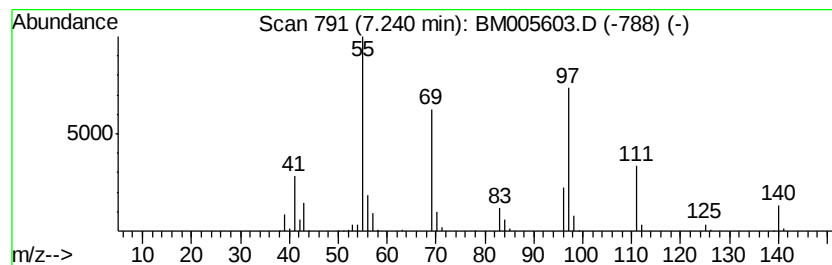
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 (DEL) Alkane: Cyclic7.24 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	20.27 ng/ul	496515	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	64
3		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	59
5		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53



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Sample : H3086-17
Misc :
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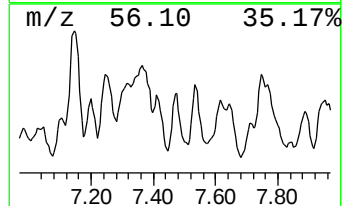
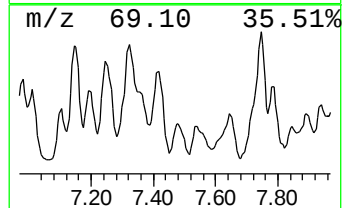
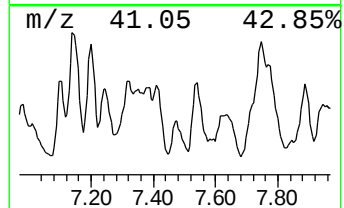
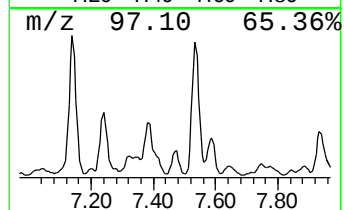
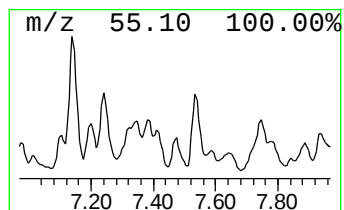
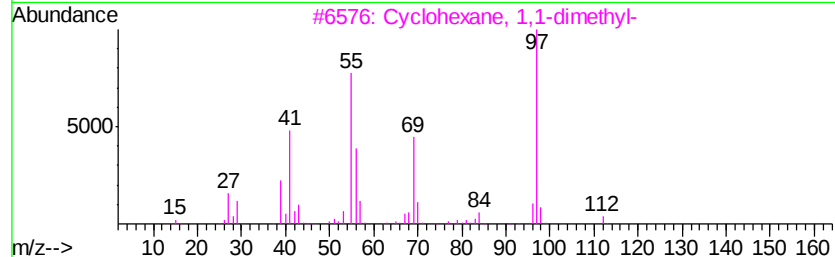
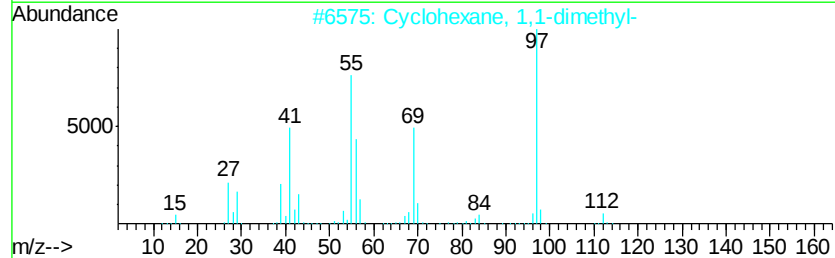
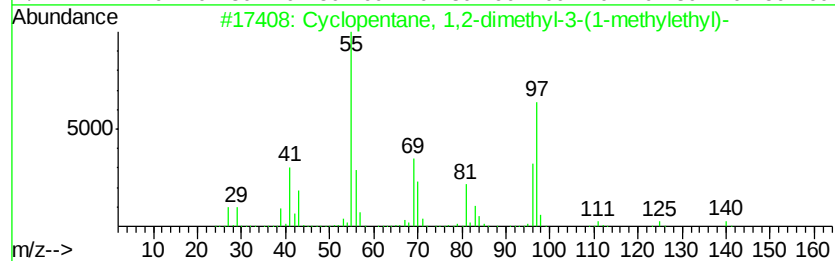
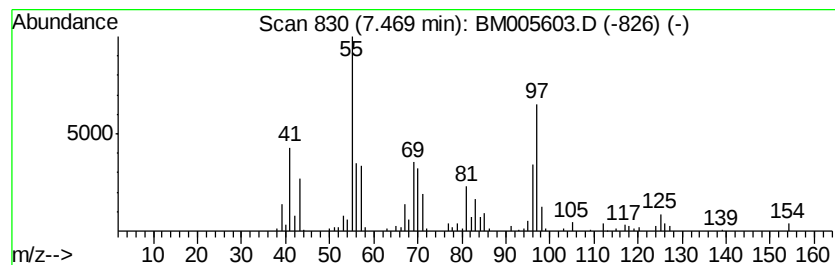
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Cyclic7.47 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	20.63 ng/ul	505409	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	64
2		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
4		Hexahydropyrrolizin-3-one	125	C7H11NO	126424-83-7	38
5		3-Fluoropyridine	97	C5H4FN	000372-47-4	30



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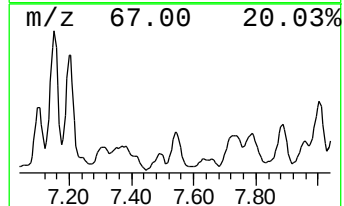
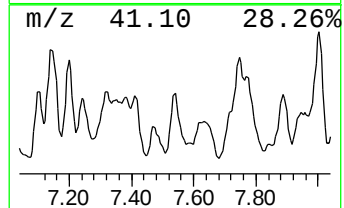
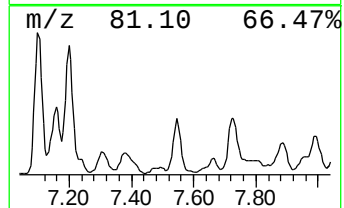
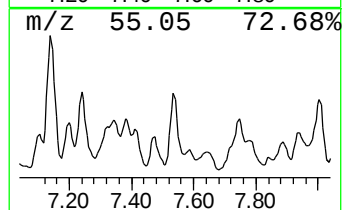
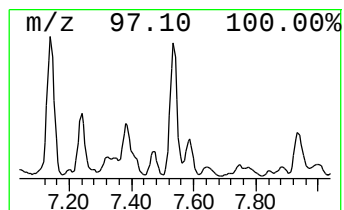
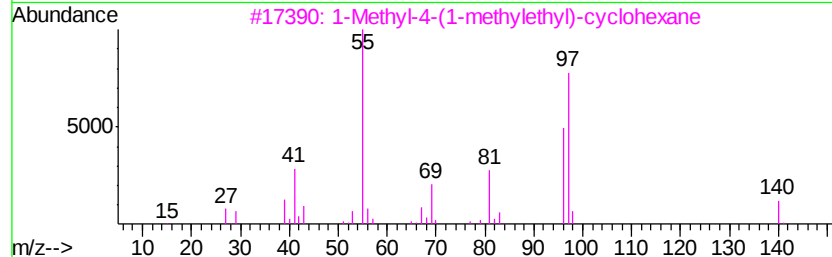
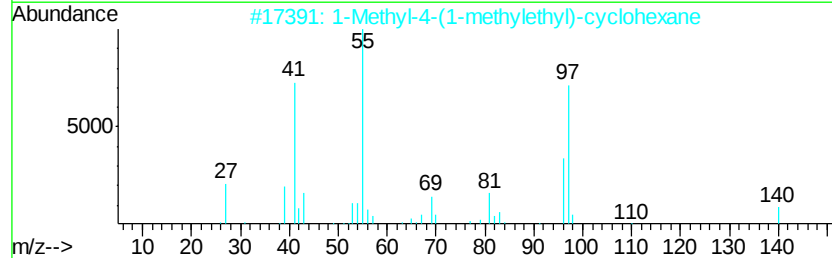
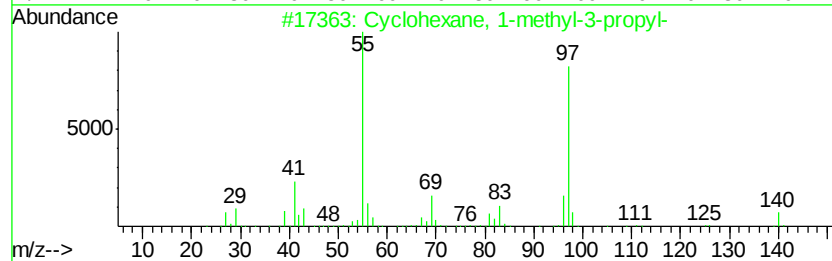
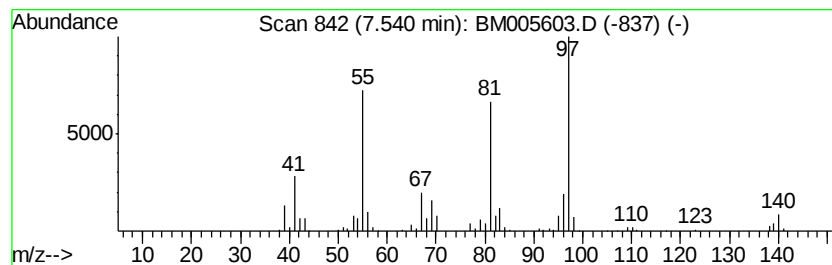
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Cyclic7.54 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	41.79 ng/ul	1023850	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
2		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	64
3		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	53
4		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53



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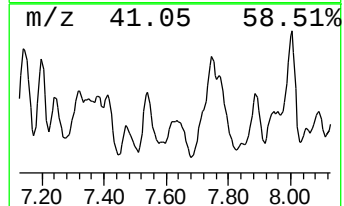
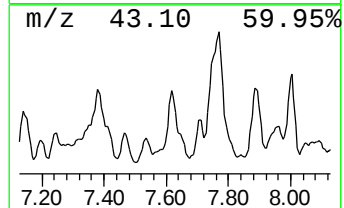
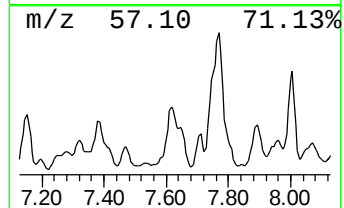
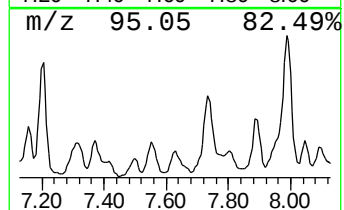
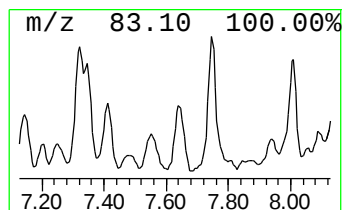
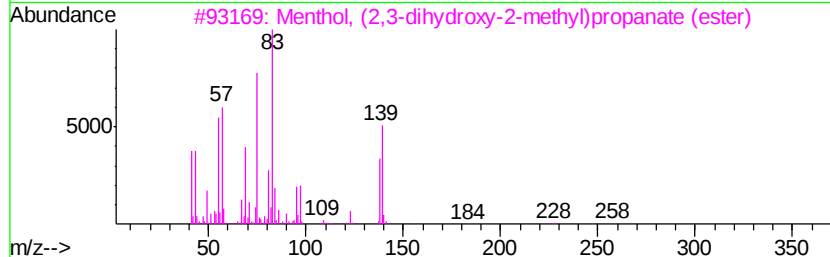
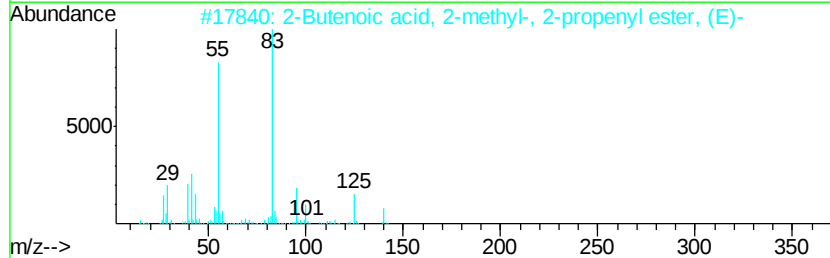
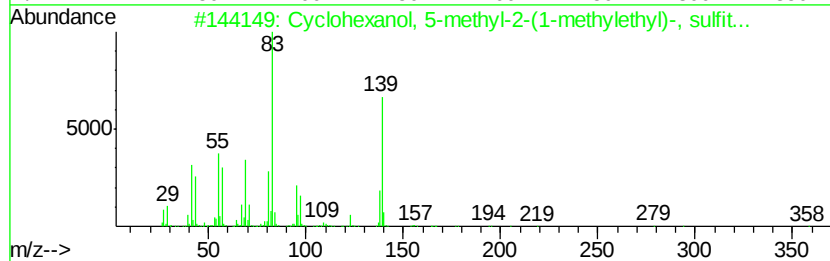
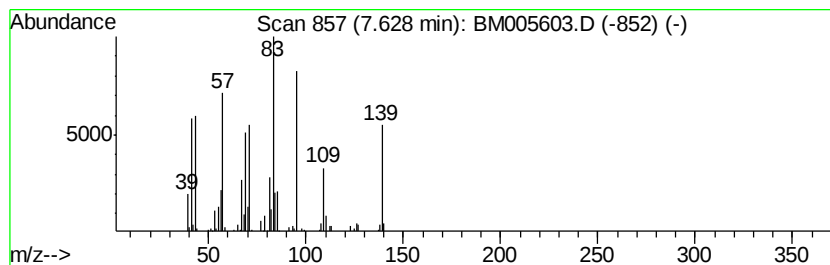
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.63	32.68 ng/ul	800561	1,4-Dichlorobenzene-d4	7.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanol, 5-methyl-2-(1-meth...	358	C20H38O3S	026510-92-9	53
2		2-Butenoic acid, 2-methyl-, 2-pr...	140	C8H12O2	007493-71-2	43
3		Menthol, (2,3-dihydroxy-2-methyl...	258	C14H26O4	1000127-79-6	42
4		1,1,3,3,5-Pentamethylcyclohexane	154	C11H22	070810-19-4	40
5		N-Methoxy-2-carbomenthyloxyaziri...	255	C14H25NO3	060999-67-9	40



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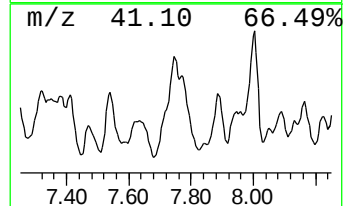
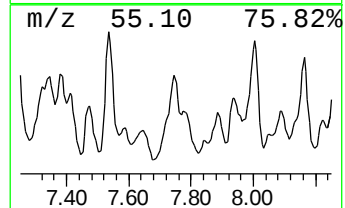
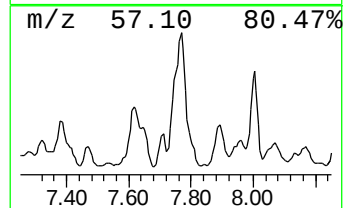
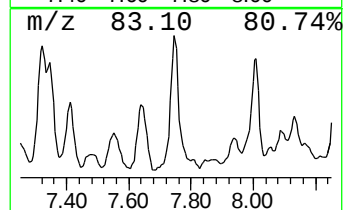
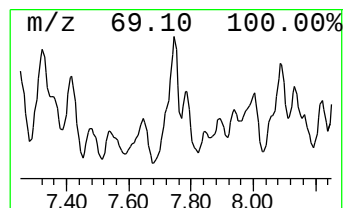
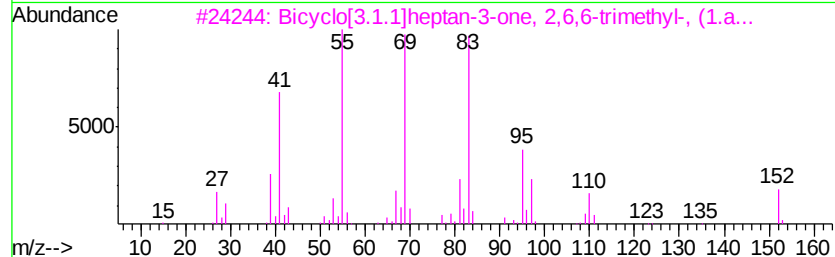
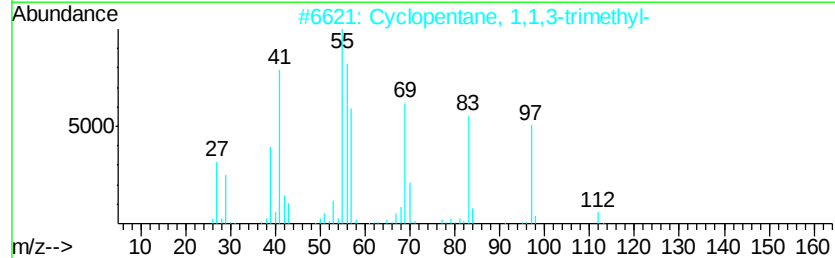
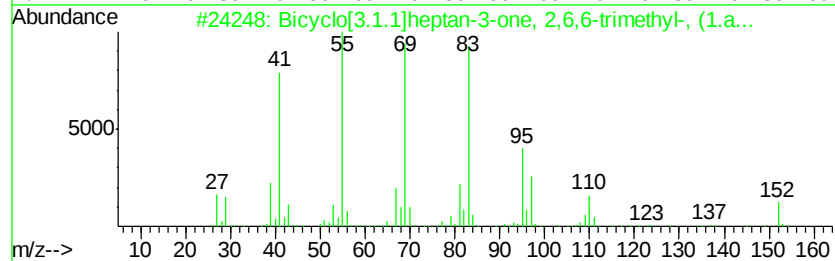
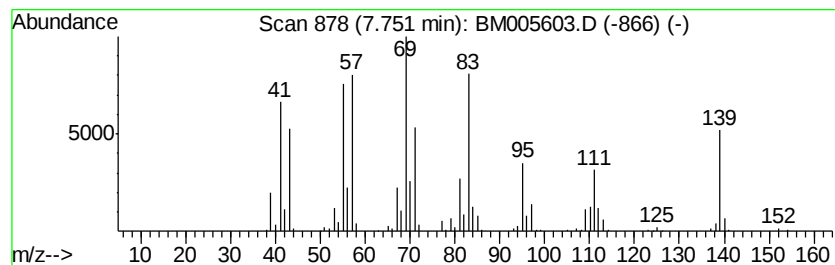
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	92.66 ng/ul	2270070	1,4-Dichlorobenzene-d4	7.82

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		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
3		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	38
4		Cyclohexanol, 5-methyl-2-(1-meth...	358	C20H38O3S	026510-92-9	35
5		3-Heptene, 2,2,3,5,5,6,6-heptame...	196	C14H28	054845-26-0	35



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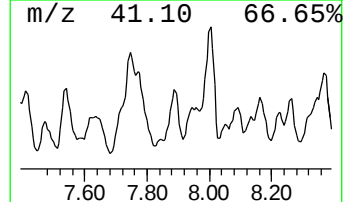
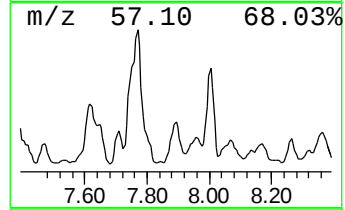
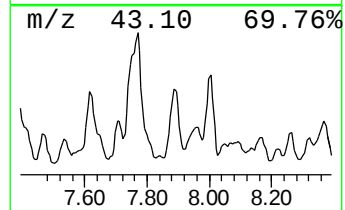
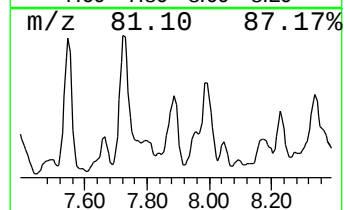
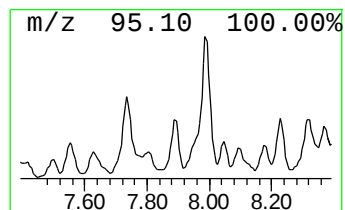
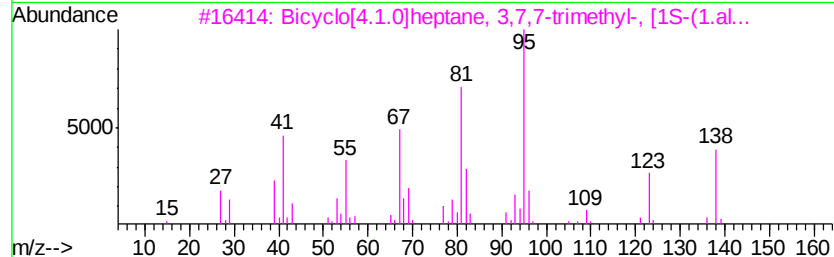
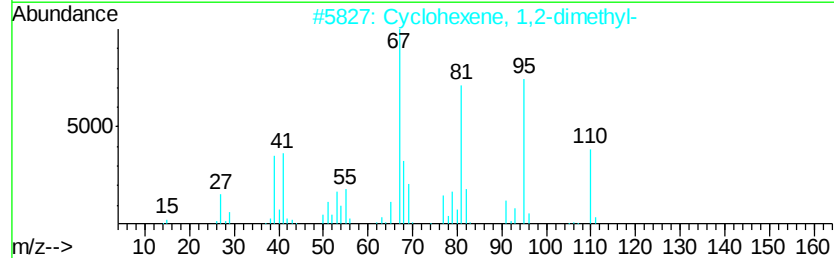
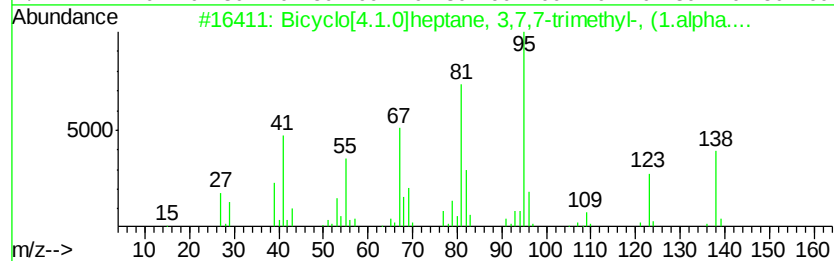
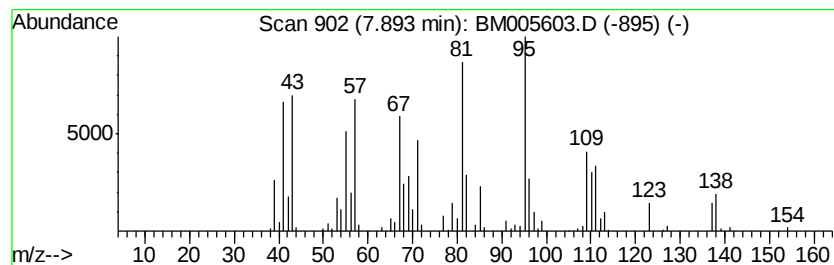
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Branched7.89 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	30.51 ng/ul	747442	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	60
2		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	53
3		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	53
4		Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	50
5		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	49



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
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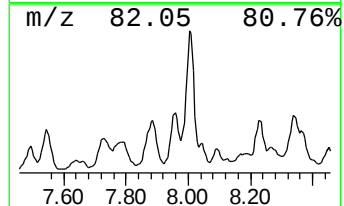
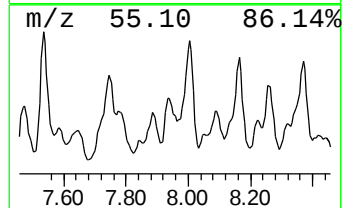
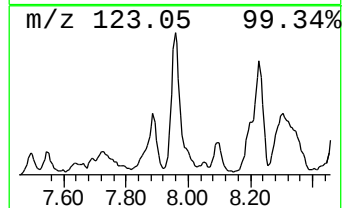
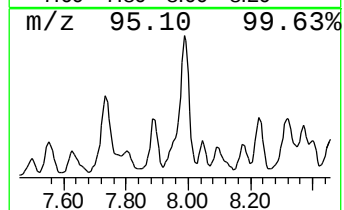
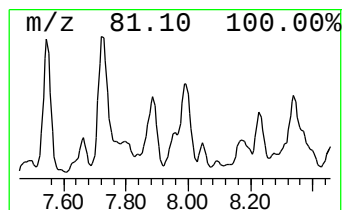
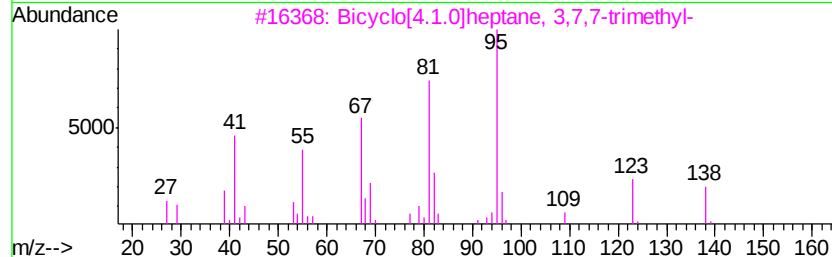
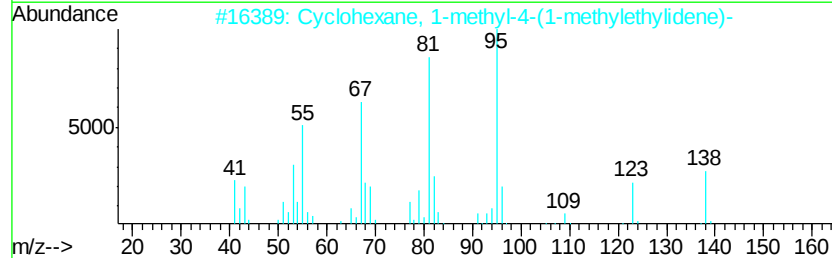
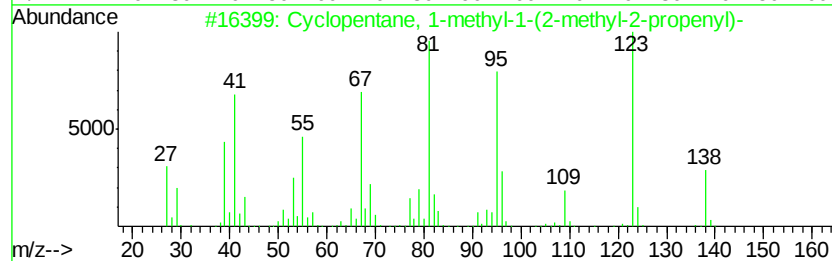
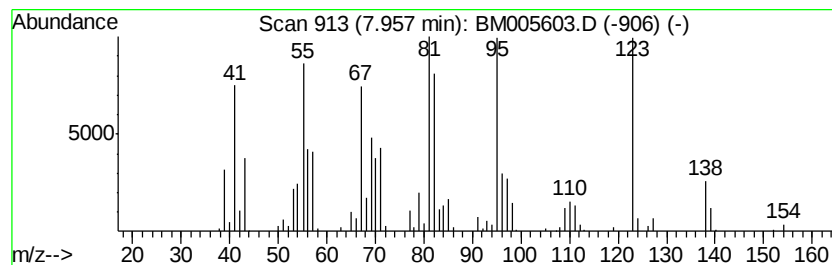
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Branched7.96 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.96	27.68 ng/ul	678167	1,4-Dichlorobenzene-d4	7.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	83
2		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	49
3		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	46
4		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	43
5		3-Methylhexahydrophthalide (cis,...	154	C9H14O2	1000280-18-4	41



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleID :
JHGL1

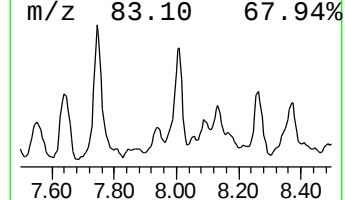
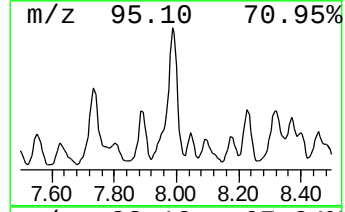
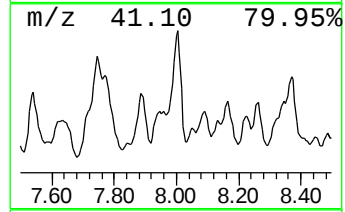
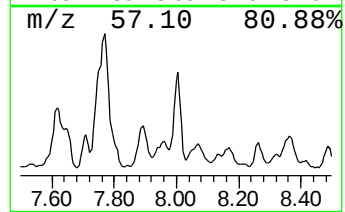
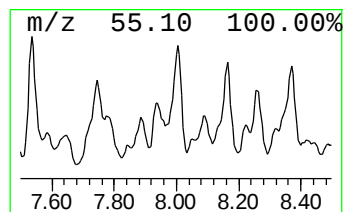
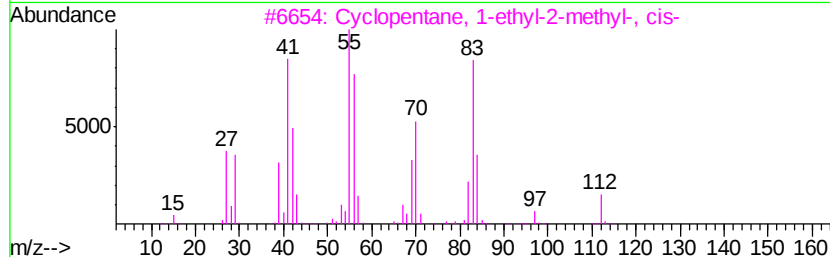
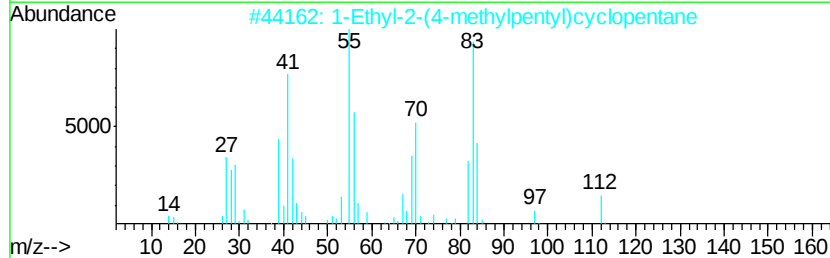
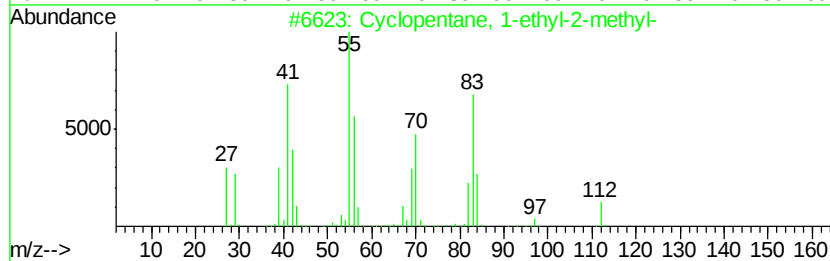
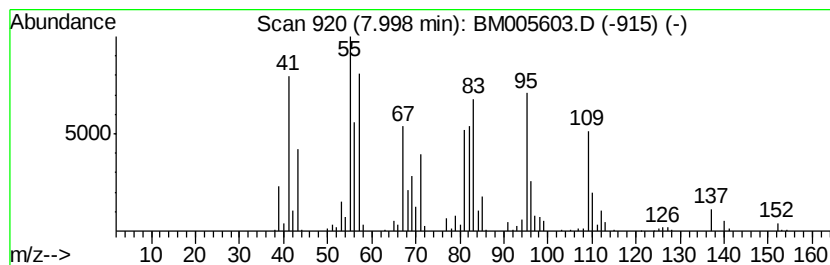
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Cyclic8.00 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	64.98 ng/ul	1591880	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	43
2		1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	35
3		Cyclopentane, 1-ethyl-2-methyl-, ...	112	C8H16	000930-89-2	30
4		2,4-Pentadien-1-ol, 3-ethyl-, (2Z)-	112	C7H12O	1000142-17-6	25
5		1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	22



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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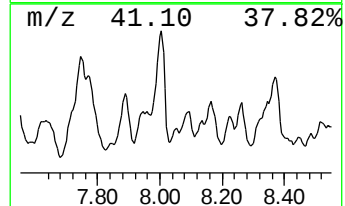
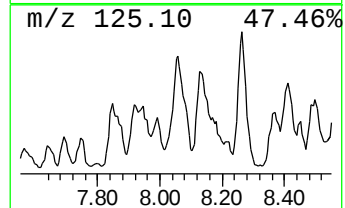
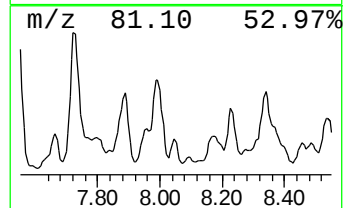
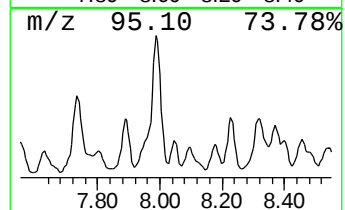
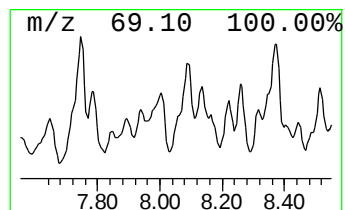
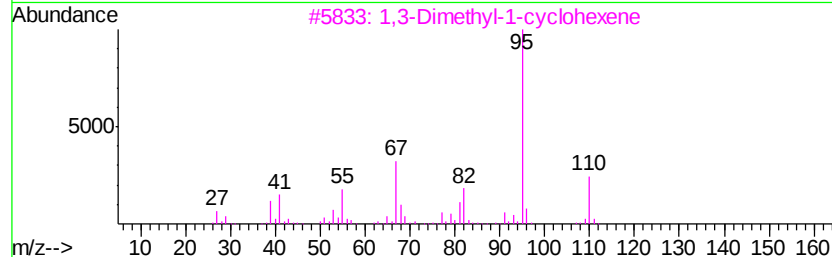
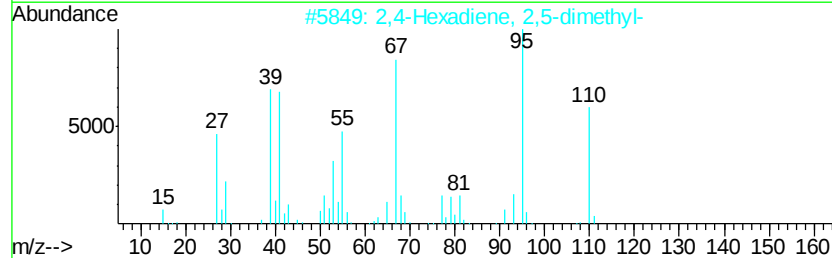
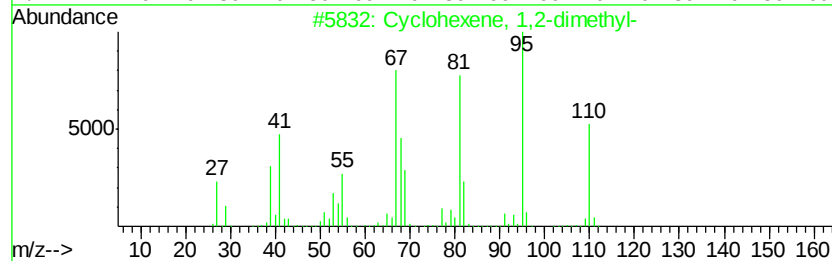
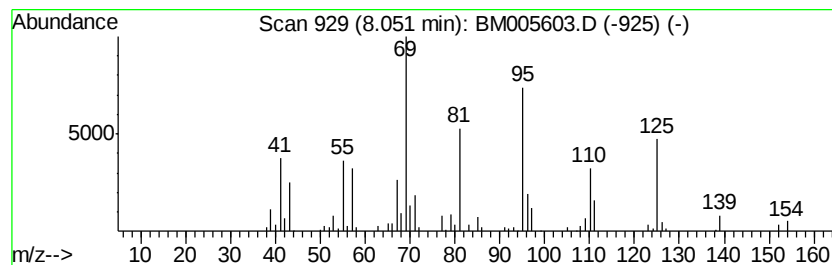
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Branched8.05 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	7.85 ng/ul	192230	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	68
2			2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	49
3			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	46
4			2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	46
5			Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	43



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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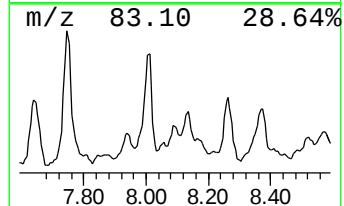
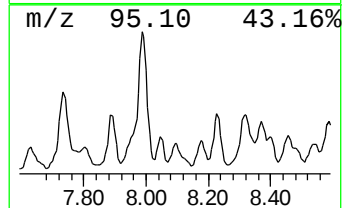
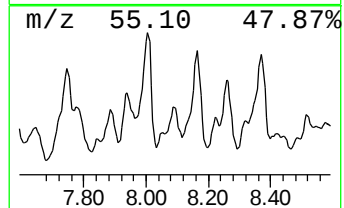
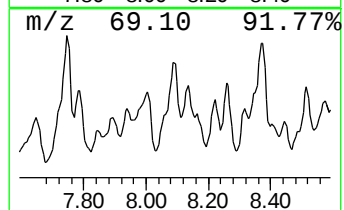
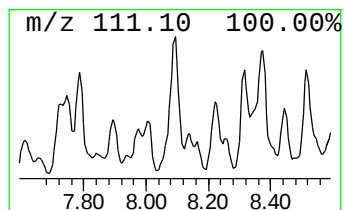
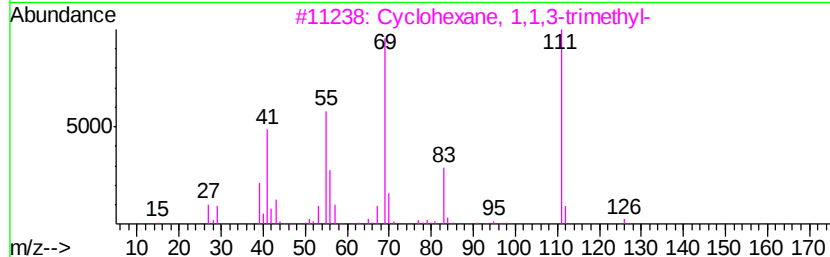
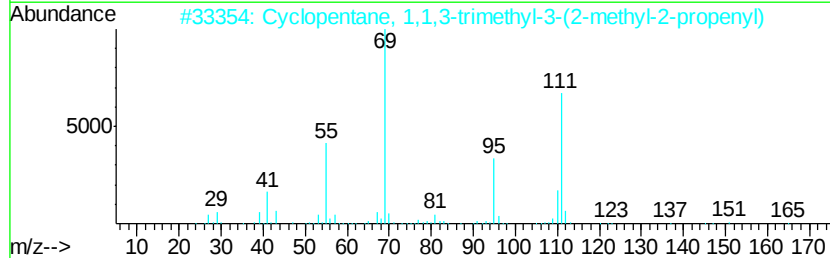
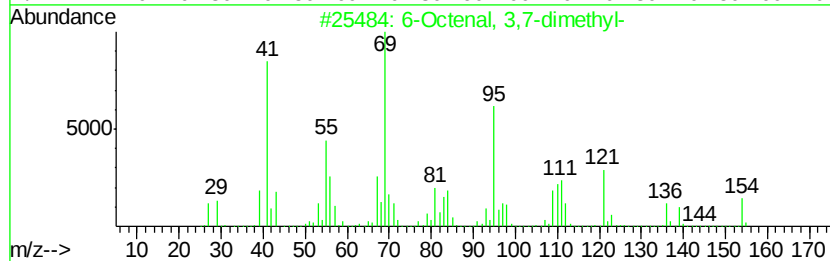
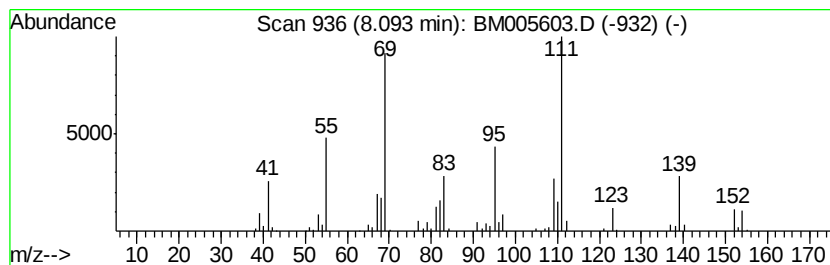
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 unknown-02 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	17.86 ng/ul	437512	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Octenal, 3,7-dimethyl-	154	C10H18O	000106-23-0	46
2		Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	40
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
4		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	37
5		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	37



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampled :
JHGL1

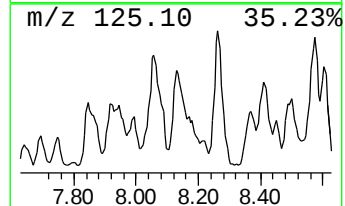
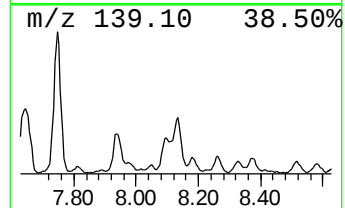
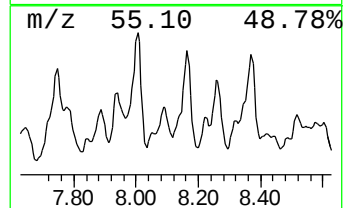
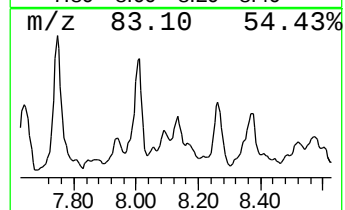
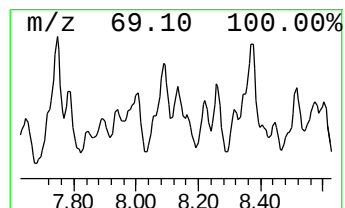
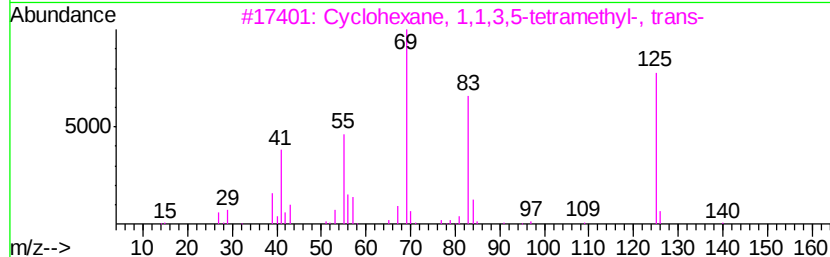
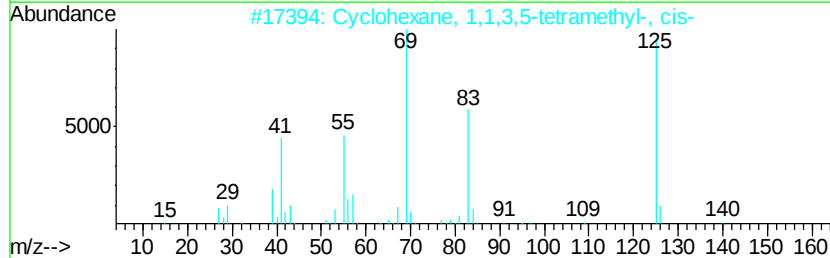
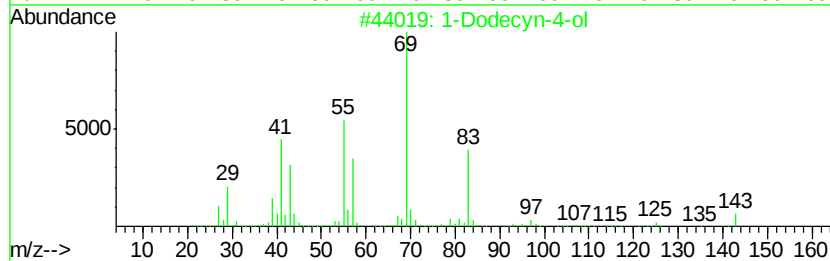
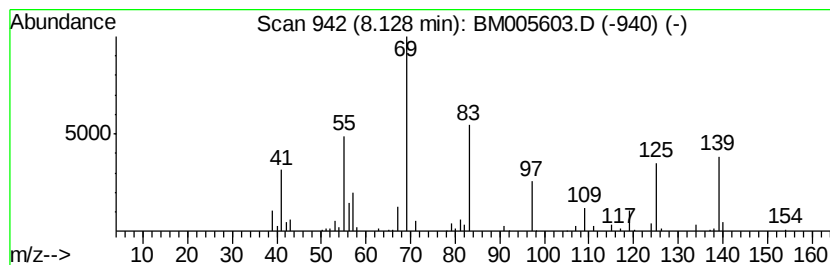
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 unknown-03 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	9.26 ng/ul	226887	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Dodecyn-4-ol	182	C12H22O	074646-36-9	47
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	42
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	42
4			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
5			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	25



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
JHGL1

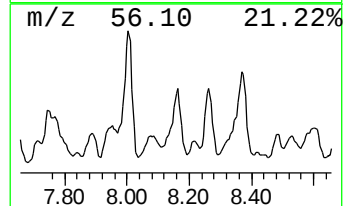
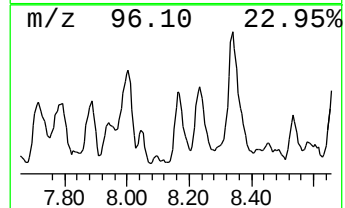
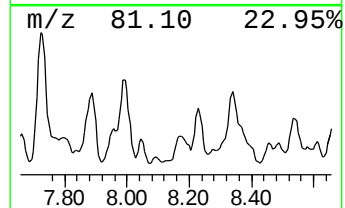
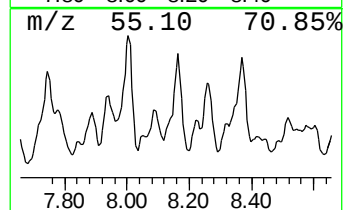
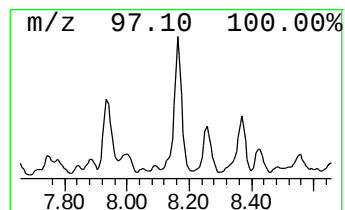
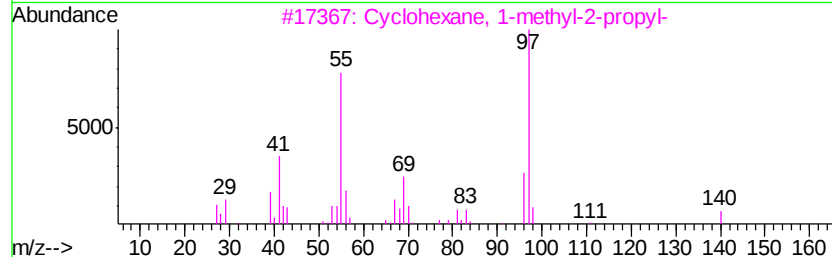
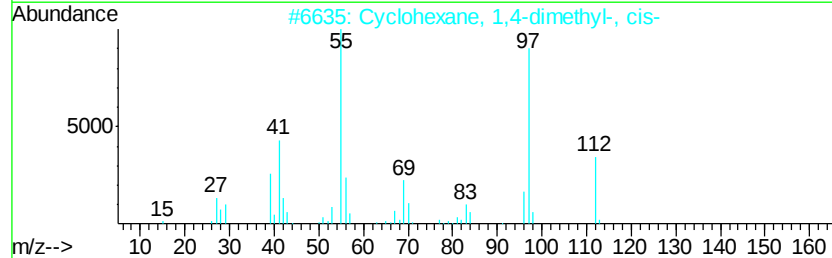
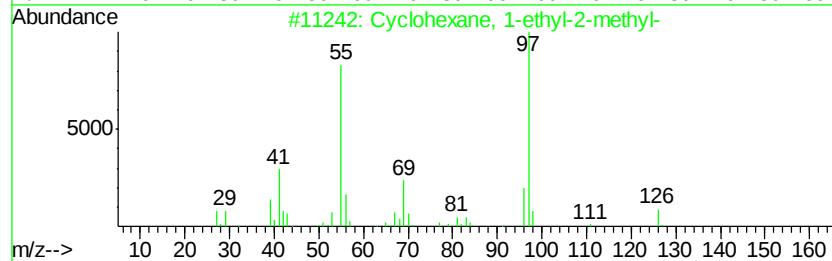
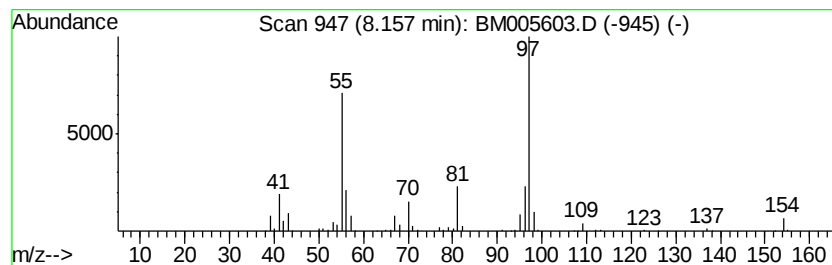
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 (DEL) Alkane: Cyclic8.16 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	23.20 ng/ul	568360	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
2		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	72
3		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
5		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	64



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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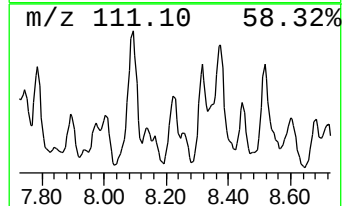
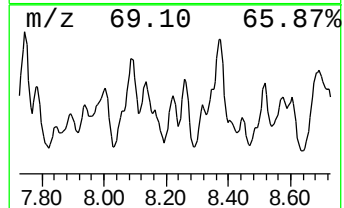
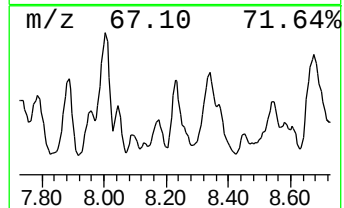
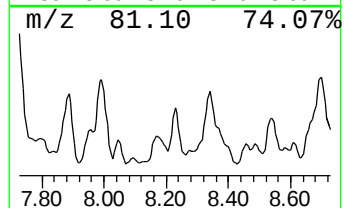
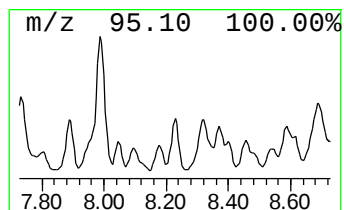
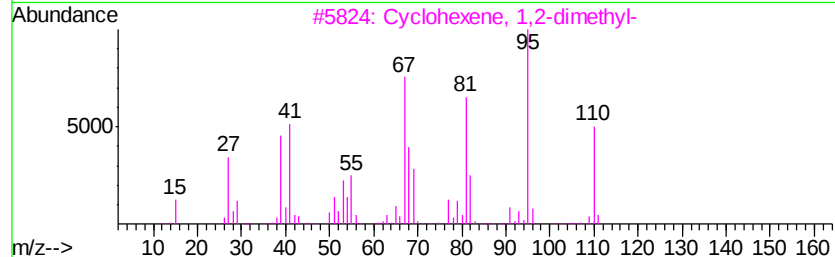
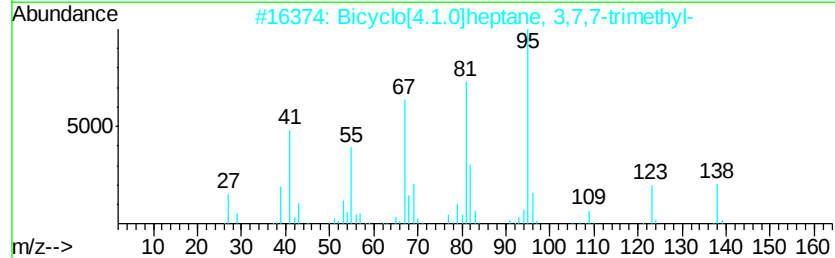
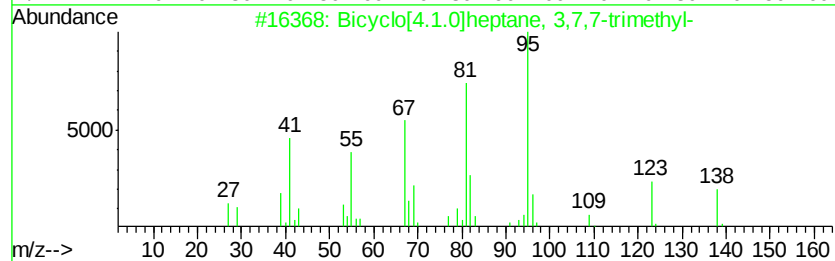
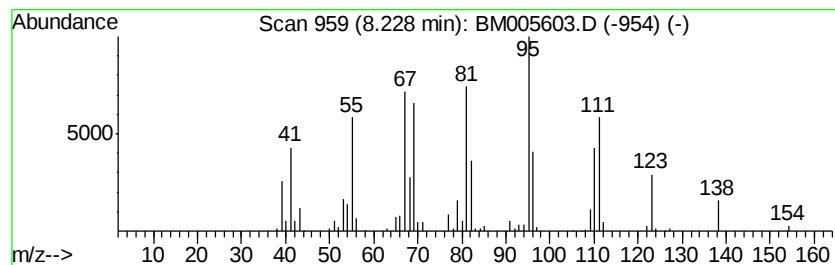
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 (DEL) Alkane: Branched8.23 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	20.66 ng/ul	506178	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	64
2		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	58
3		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	58
4		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	58
5		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	52



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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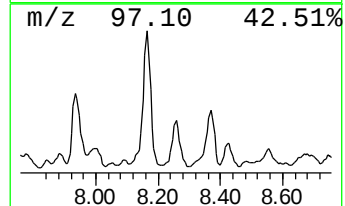
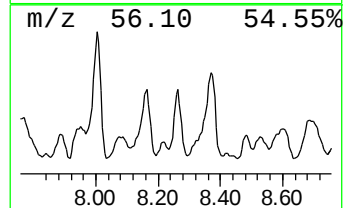
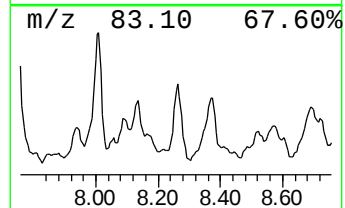
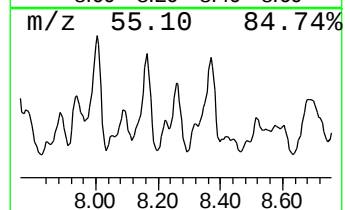
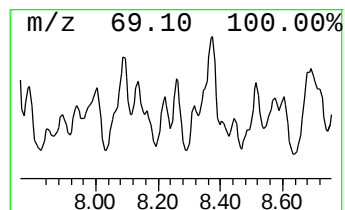
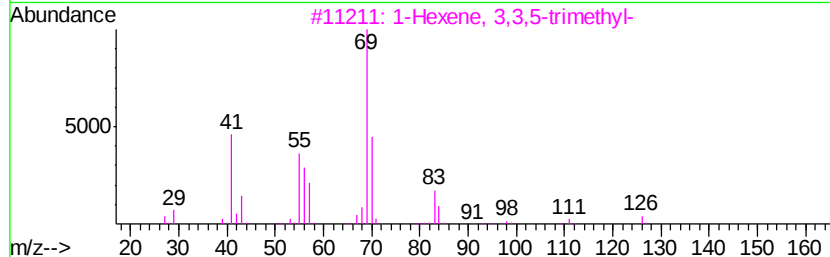
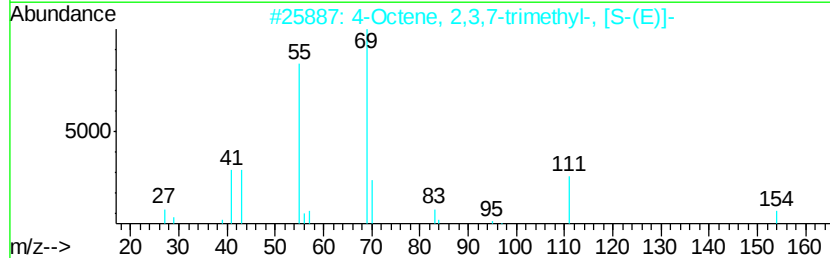
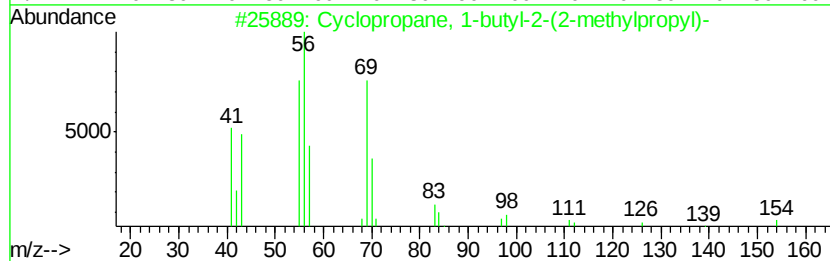
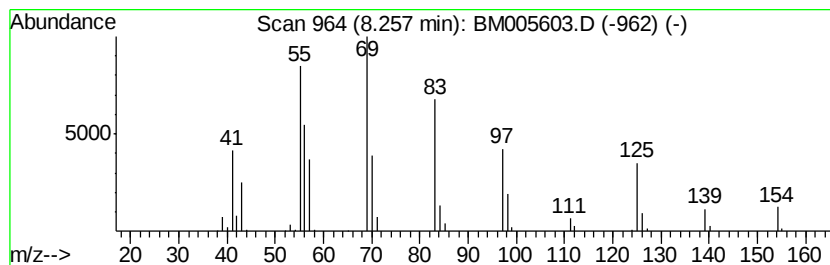
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 (DEL) Alkane: Cyclic8.26 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	16.32 ng/ul	399719	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1-butyl-2-(2-methy...	154	C11H22	041977-35-9	46
2		4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	43
3		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	38
4		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	38
5		2-Undecene, (Z)-	154	C11H22	000821-96-5	38



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

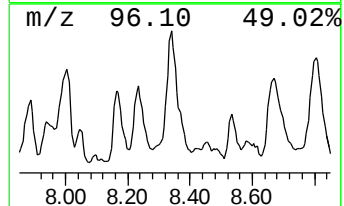
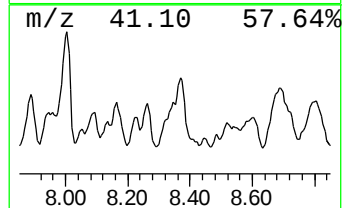
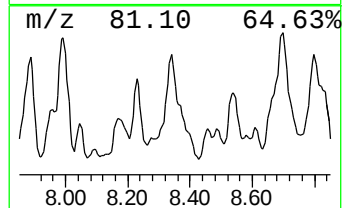
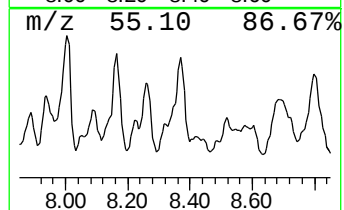
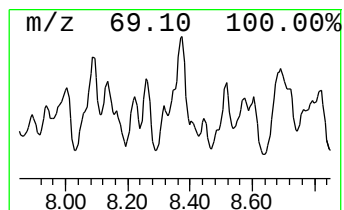
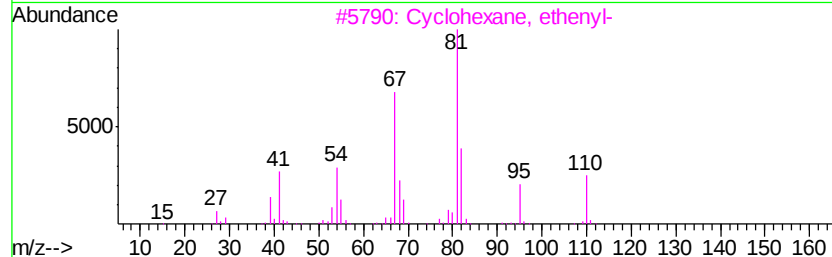
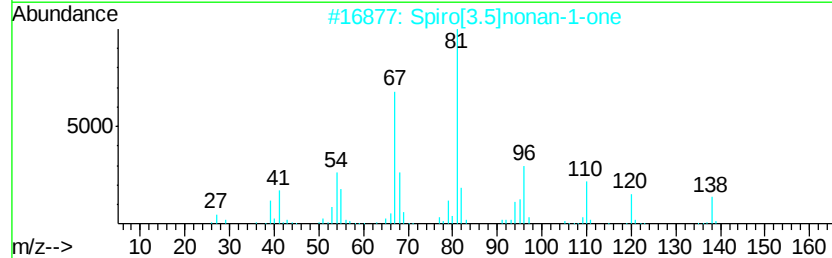
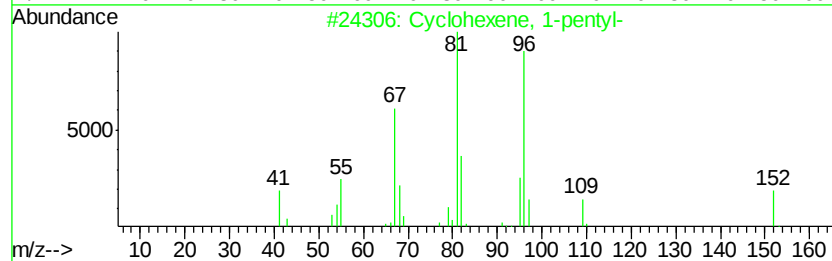
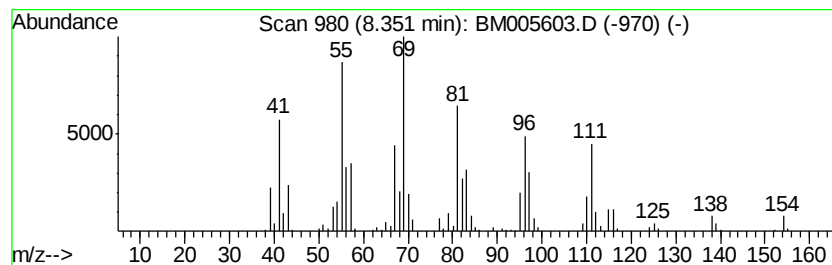
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 (DEL) Alkane: Branched8.35 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.35	33.26 ng/ul	814801	1,4-Dichlorobenzene-d4	7.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	55
2		Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	50
3		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	45
4		Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-31-2	43
5		9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	38



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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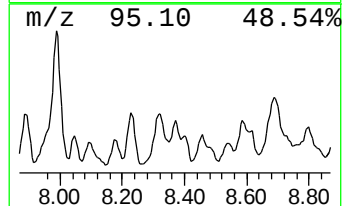
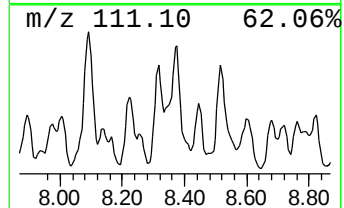
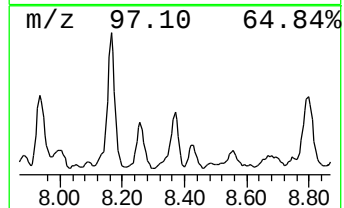
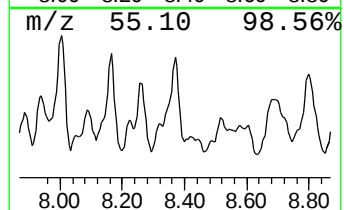
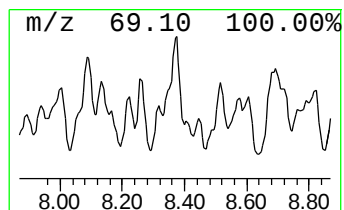
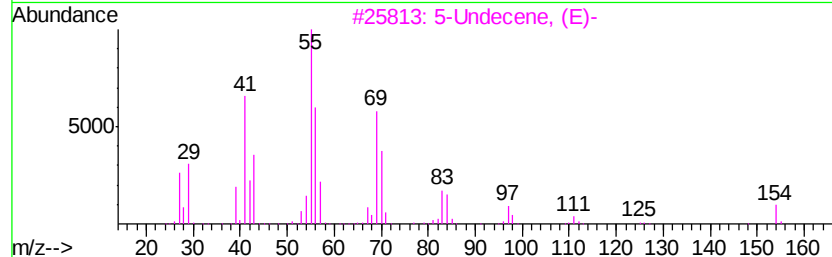
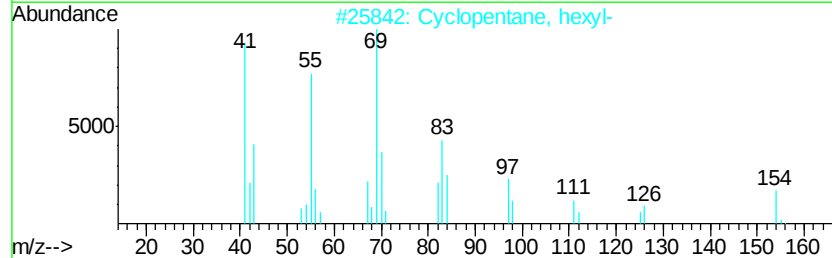
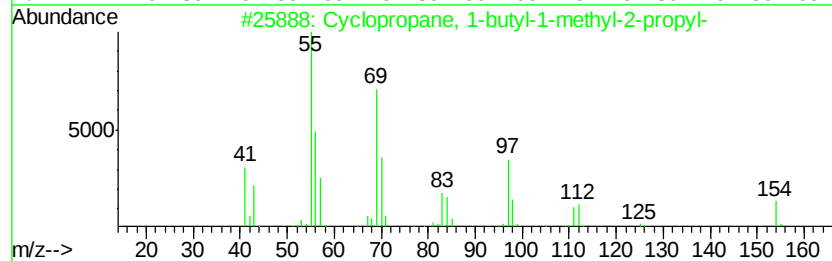
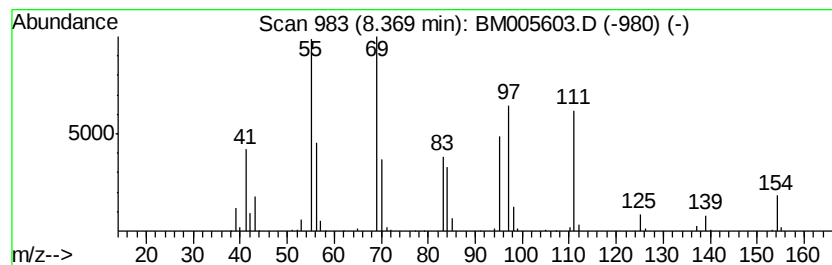
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Cyclic8.37 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	38.19 ng/ul	935539	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	58
2		Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
3		5-Undecene, (E)-	154	C11H22	000764-97-6	38
4		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38
5		4-Undecene, (E)-	154	C11H22	000693-62-9	35



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleID :
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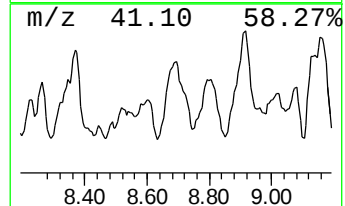
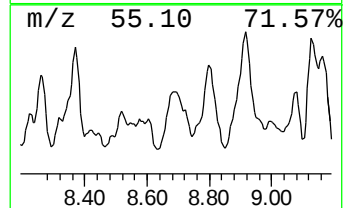
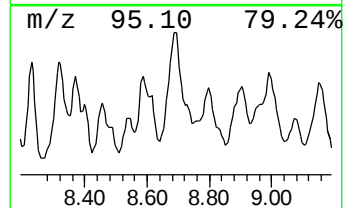
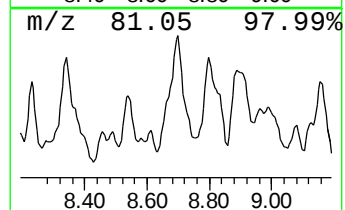
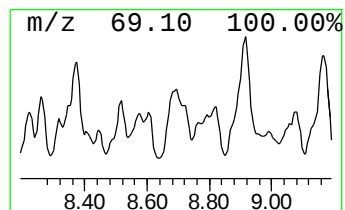
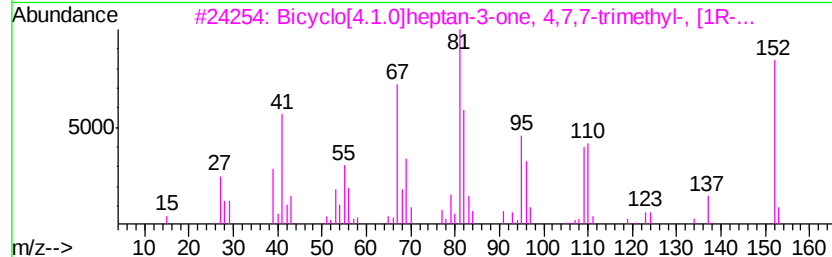
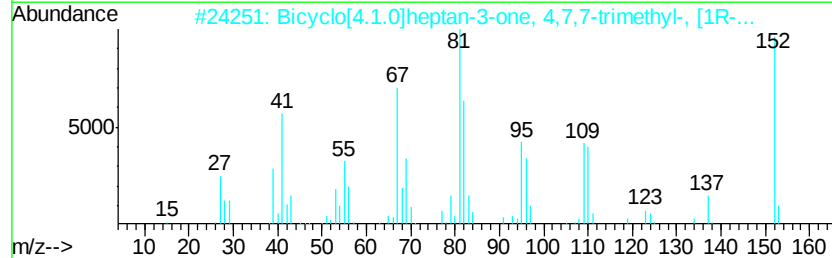
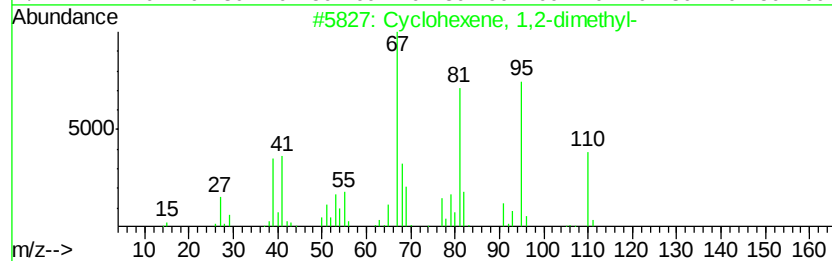
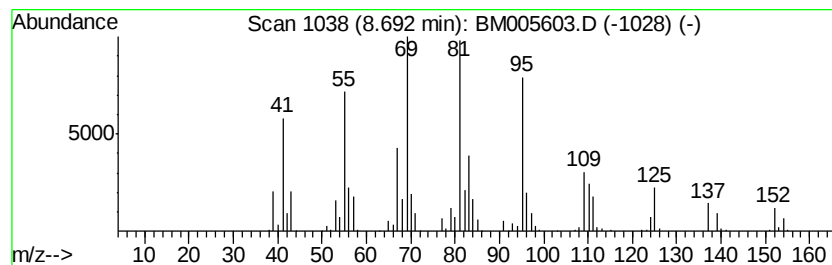
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Quant Title : SVOA CALIBRATION

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

Peak Number 34 (DEL) Alkane: Branched8.69 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	79.62 ng/ul	1950570	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	45
2		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	43
3		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	41
4		Thujone	152	C10H16O	000546-80-5	30
5		6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	30



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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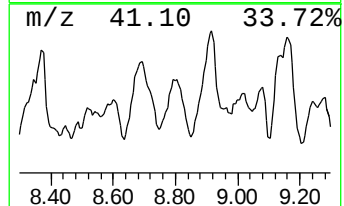
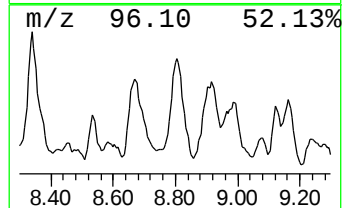
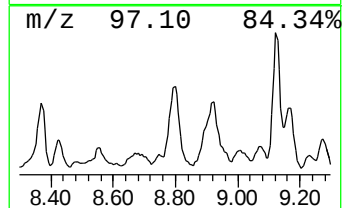
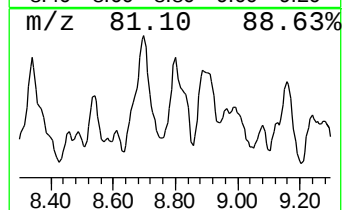
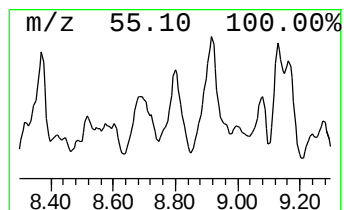
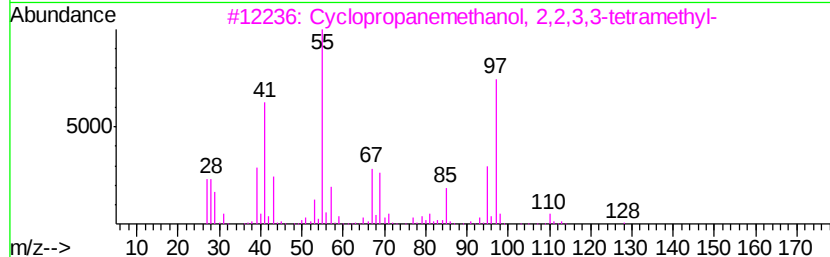
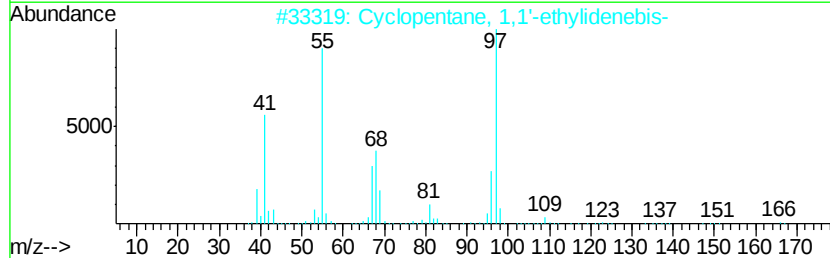
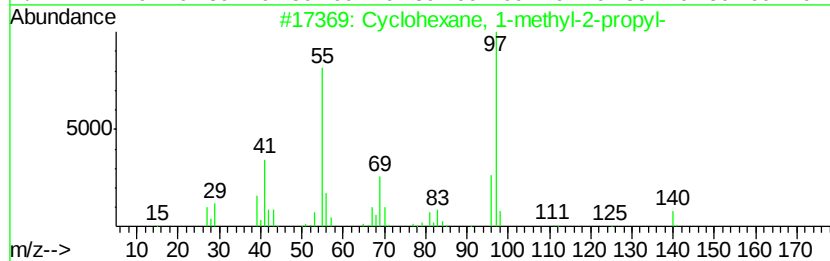
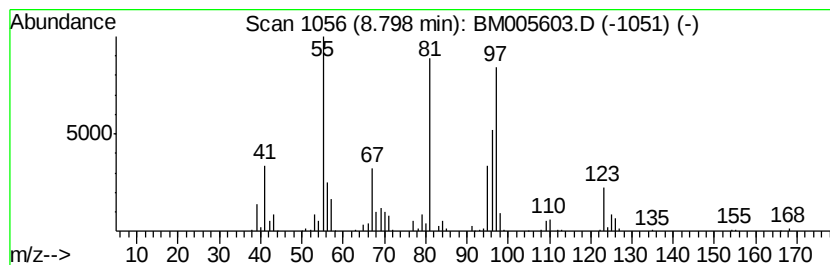
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 (DEL) Alkane: Cyclic8.80 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	47.94 ng/ul	1174470	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38
2		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	38
3		Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	38
4		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	38
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	35



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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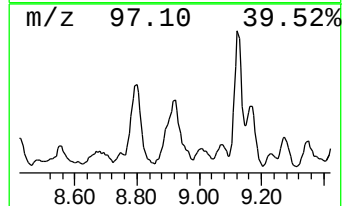
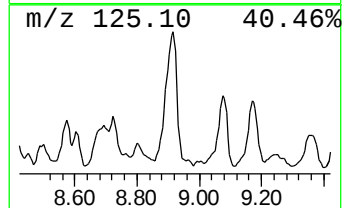
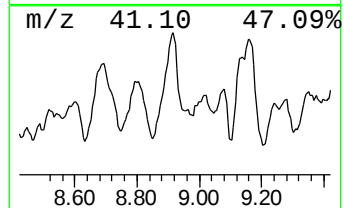
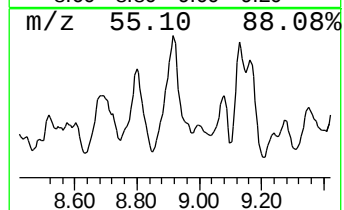
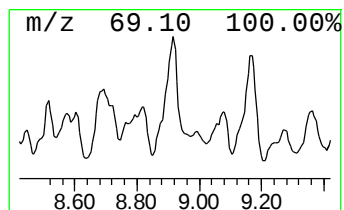
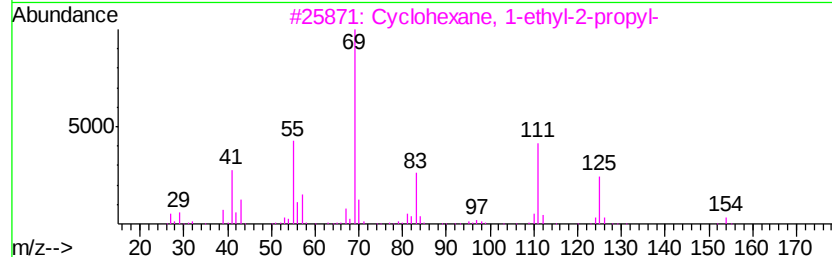
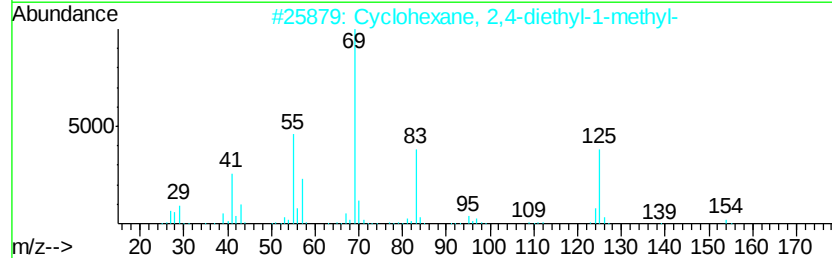
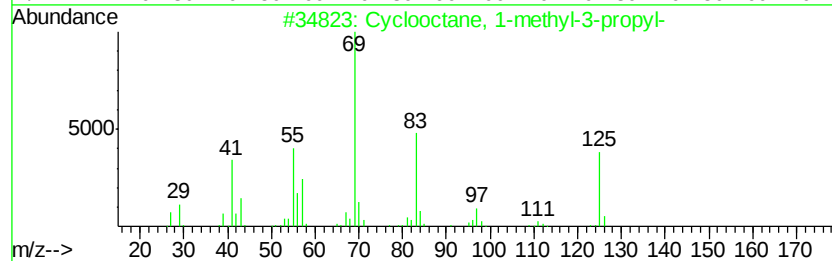
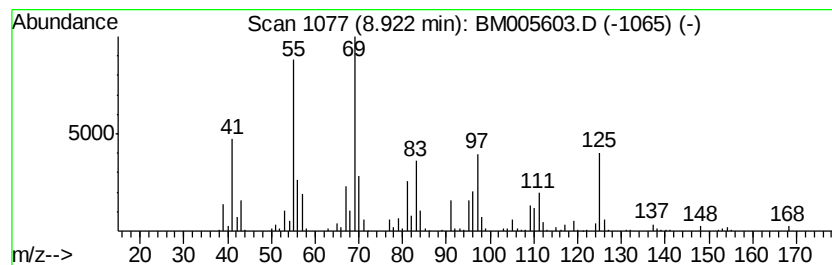
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 (DEL) Alkane: Cyclic8.92 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	84.13 ng/ul	2061100	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50
2		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	49
3		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	43
4		Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	43
5		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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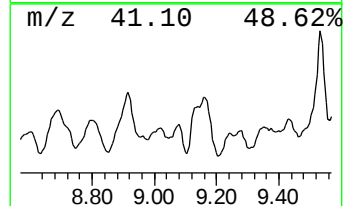
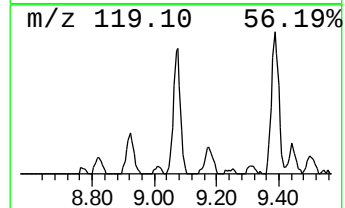
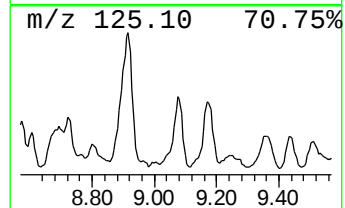
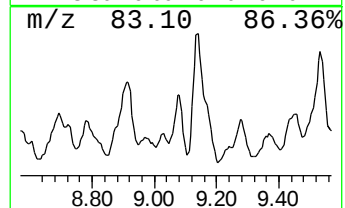
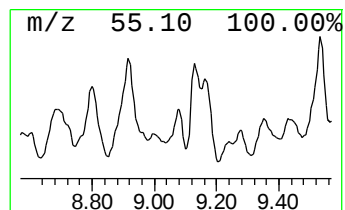
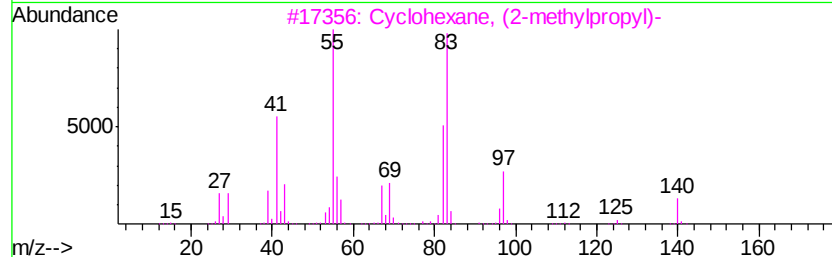
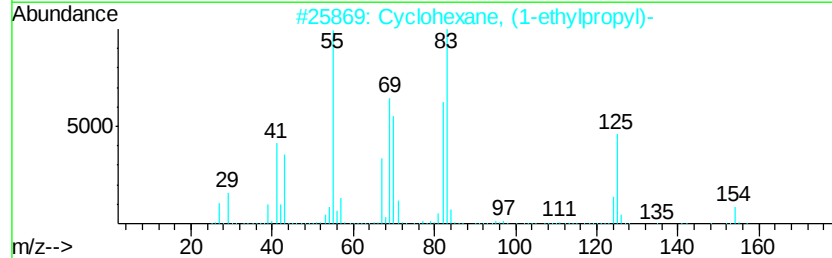
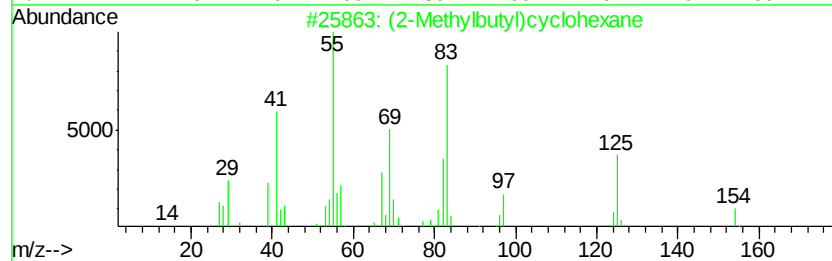
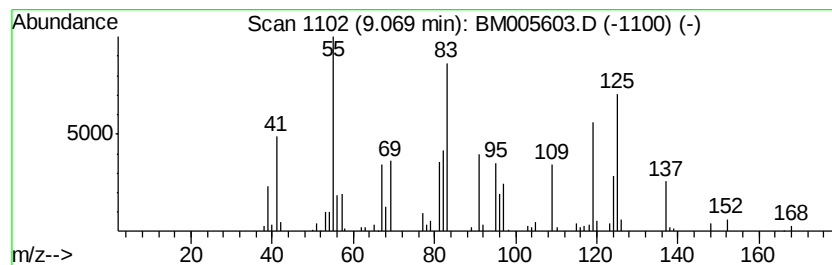
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 (DEL) Alkane: Cyclic9.07 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	21.71 ng/ul	531891	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(2-Methylbutyl)cyclohexane	154	C11H22	054105-77-0	53
2			Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	38
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	35
4			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	35
5			Cyclohexanemethanol	114	C7H14O	000100-49-2	27



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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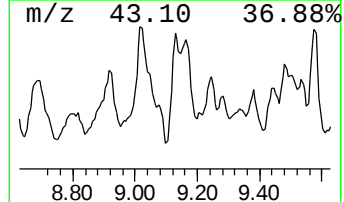
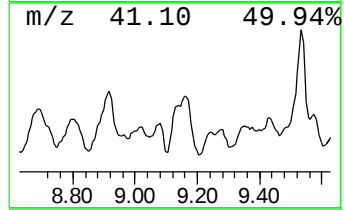
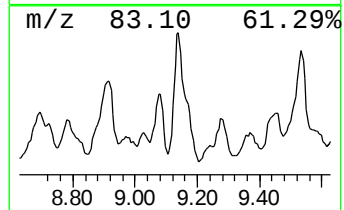
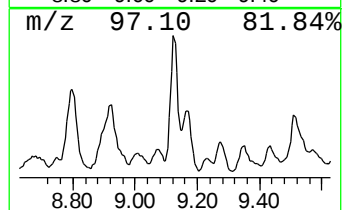
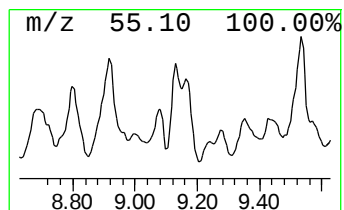
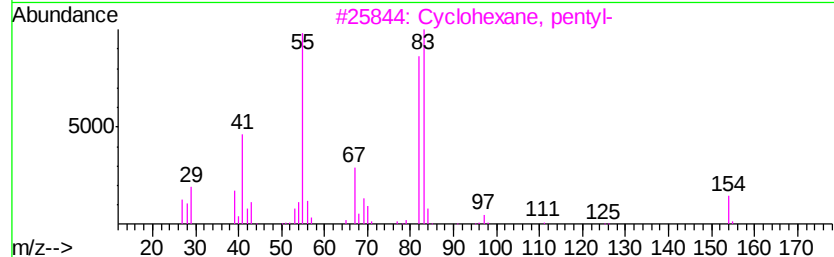
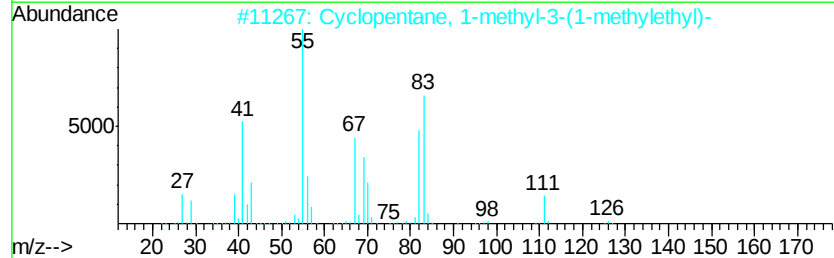
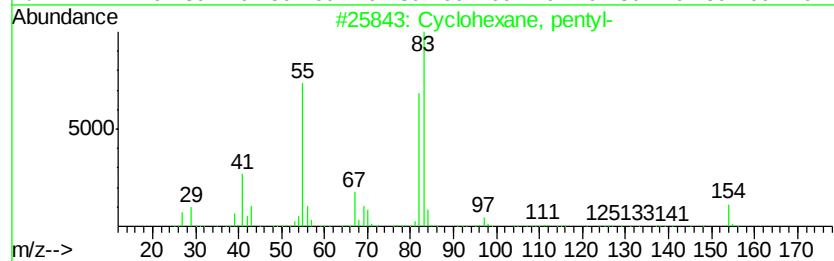
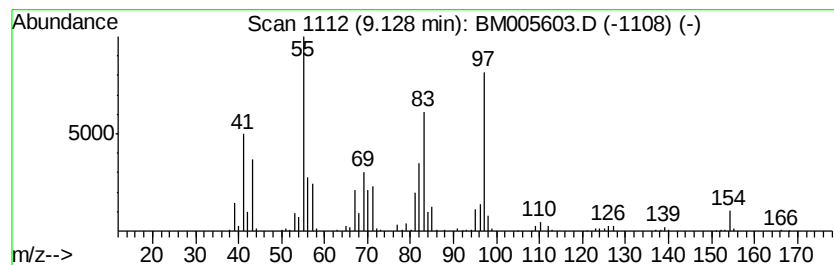
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 (DEL) Alkane: Cyclic9.13 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	29.74 ng/ul	728701	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
2		Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	46
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
4		n-Amylcyclohexane	154	C11H22	029949-27-7	46
5		Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	38



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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Sample : H3086-17
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ClientSampled :
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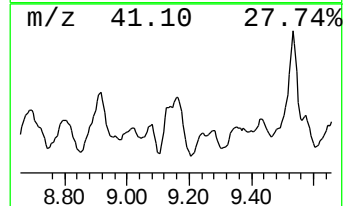
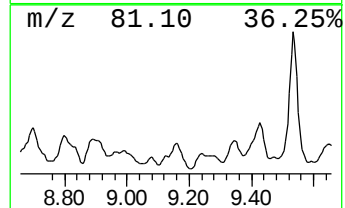
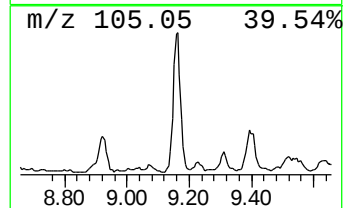
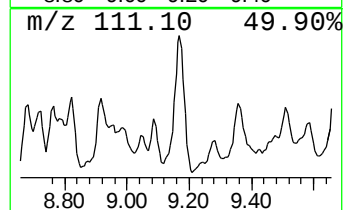
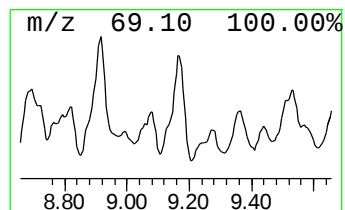
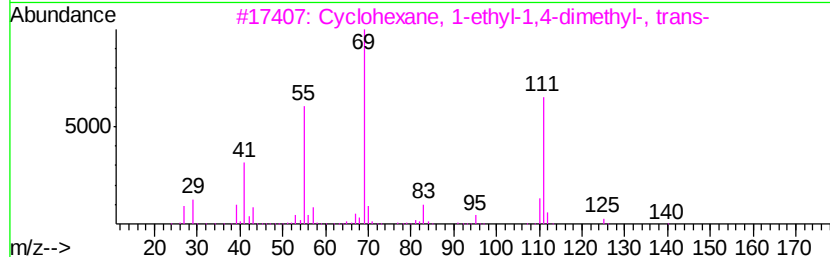
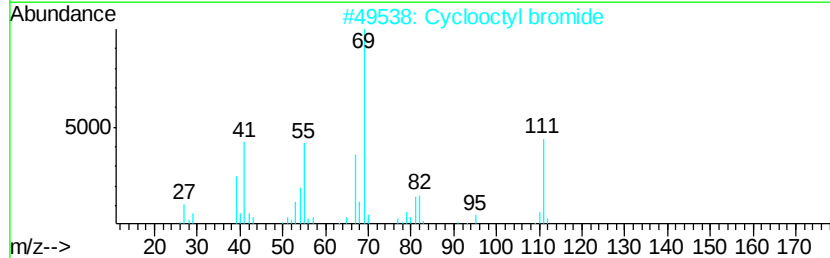
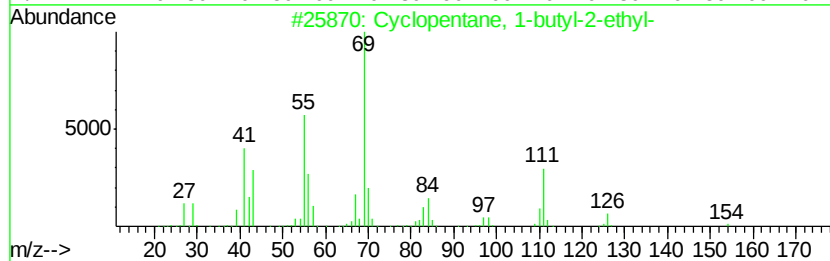
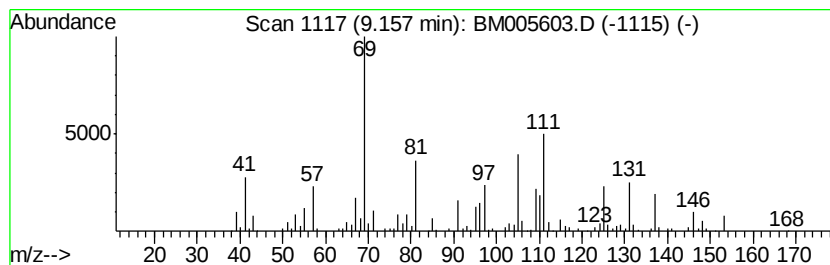
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 (DEL) Alkane: Cyclic9.16 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	56.31 ng/ul	1379490	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	43
2		Cyclooctyl bromide	190	C8H15Br	001556-09-8	43
3		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	43
4		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampled :
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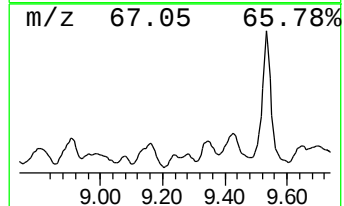
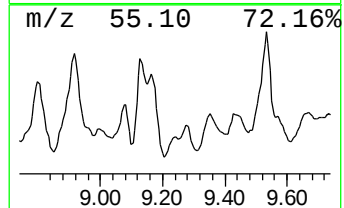
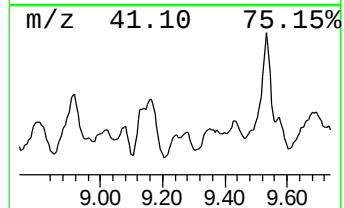
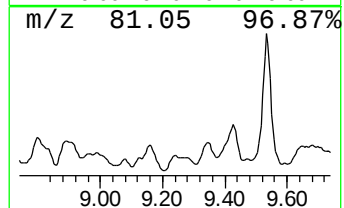
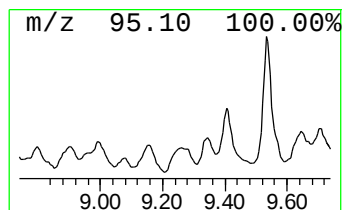
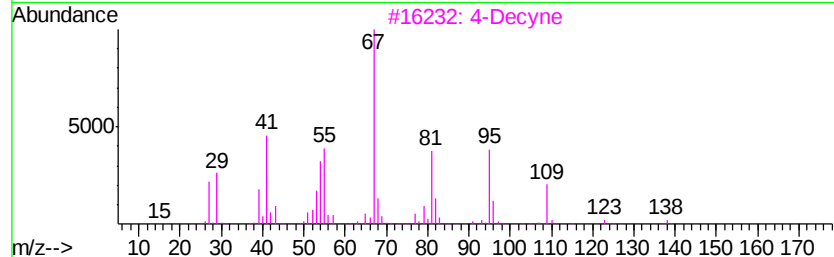
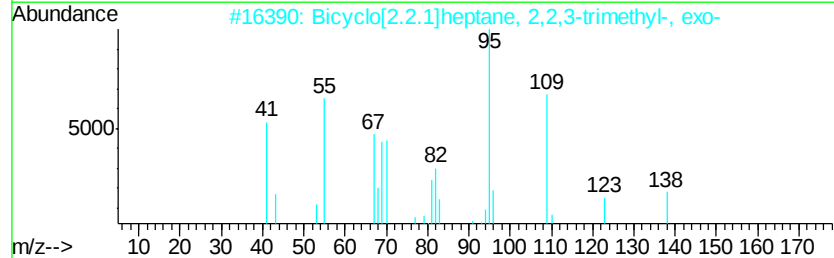
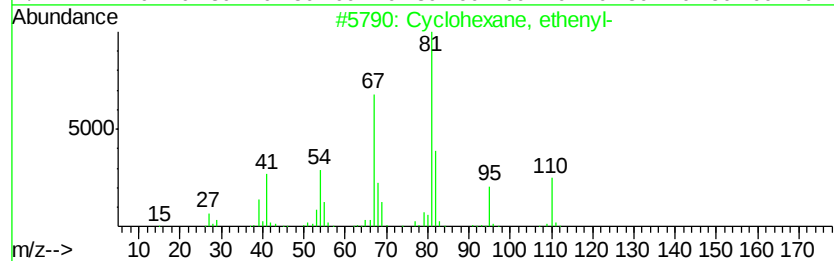
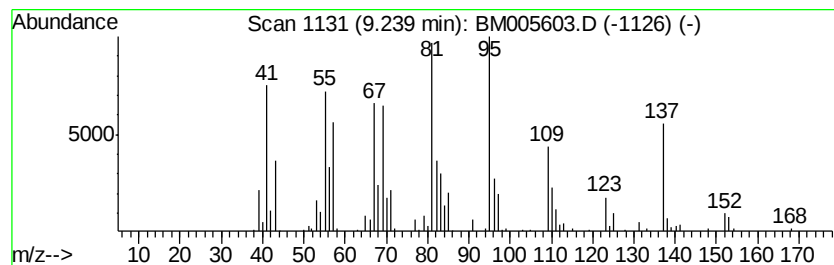
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 (DEL) Alkane: Branched9.24 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	2.87 ng/ul	429935	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	41
2		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	38
3		4-Decyne	138	C10H18	002384-86-3	30
4		4-Decyne	138	C10H18	002384-86-3	30
5		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	30



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampled :
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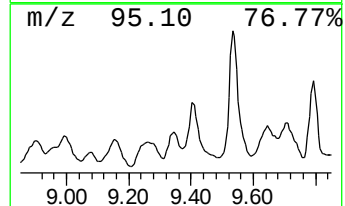
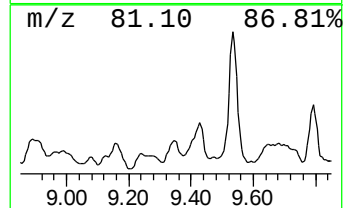
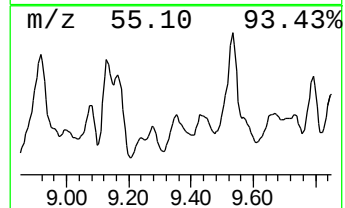
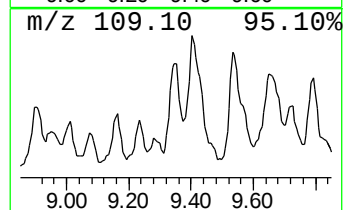
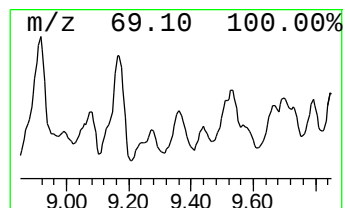
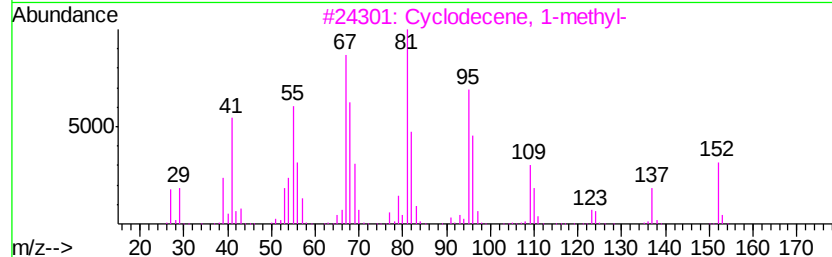
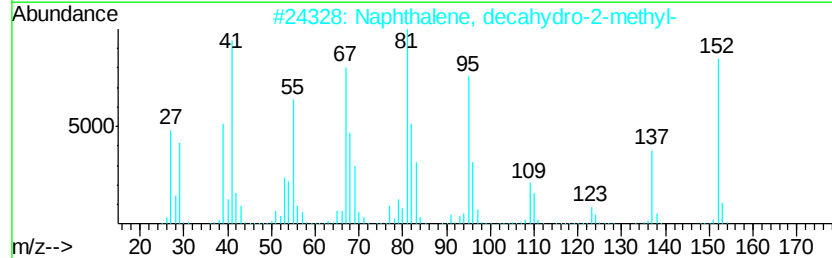
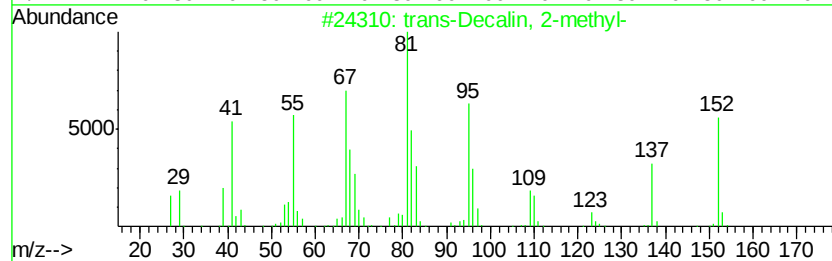
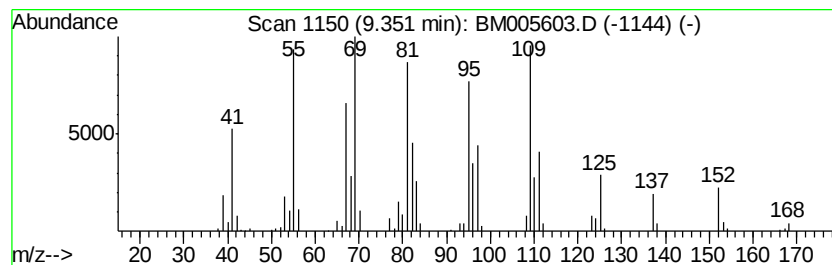
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Quant Title : SVOA CALIBRATION

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

Peak Number 41 (DEL) Alkane: Branched9.35 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.92 ng/ul	586283	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	84
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	52
3		Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	46
4		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	42
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	38



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampled :
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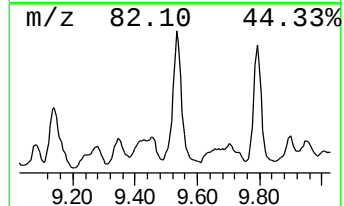
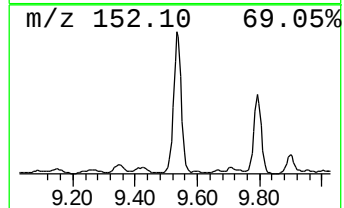
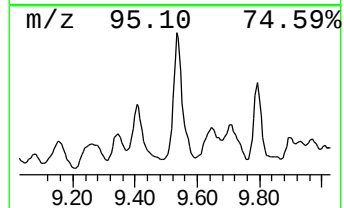
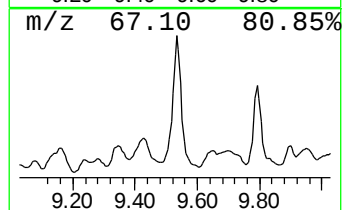
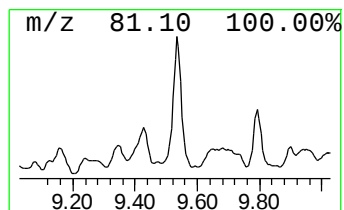
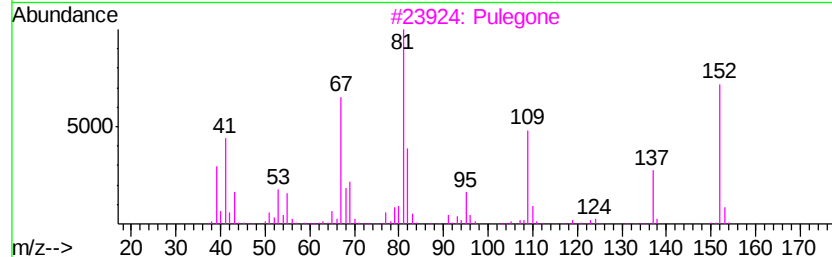
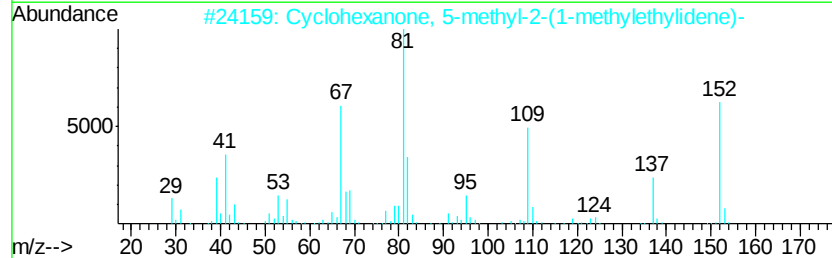
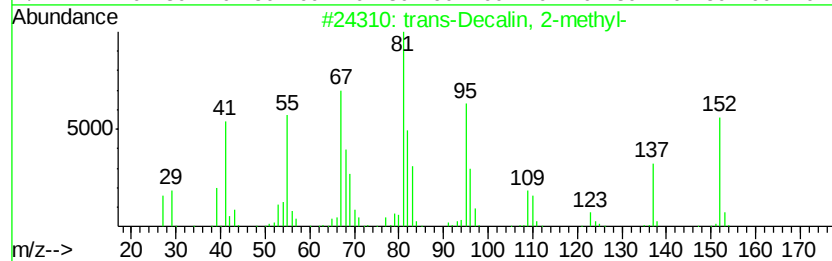
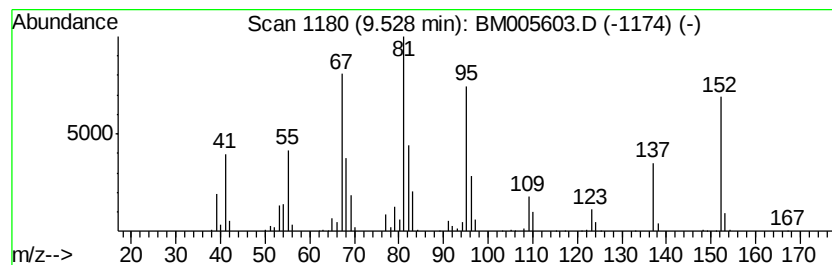
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 Pulegone Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	22.73 ng/ul	3398700	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
2		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	76
3		Pulegone	152	C10H16O	000089-82-7	76
4		5-Hexadecyne	222	C16H30	071899-37-1	74
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
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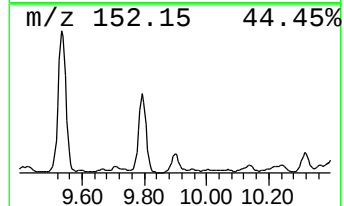
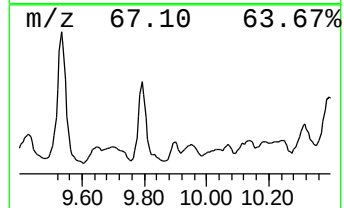
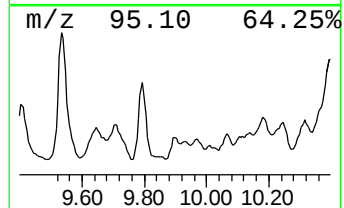
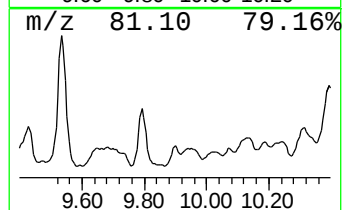
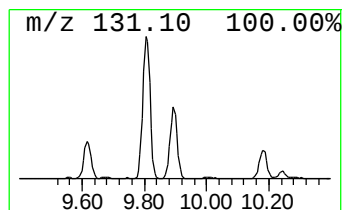
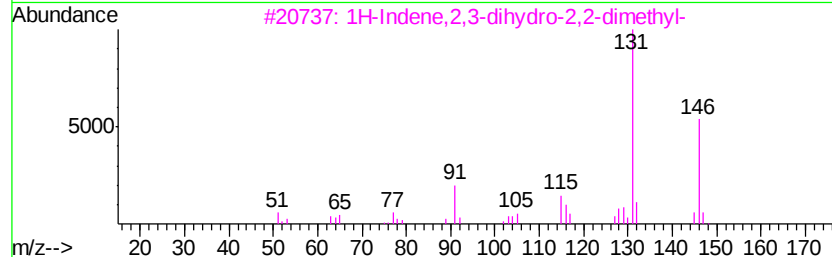
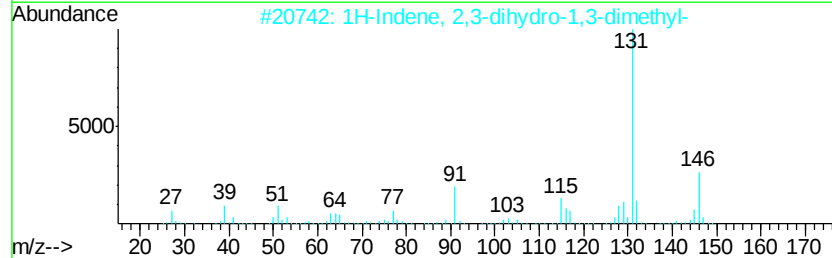
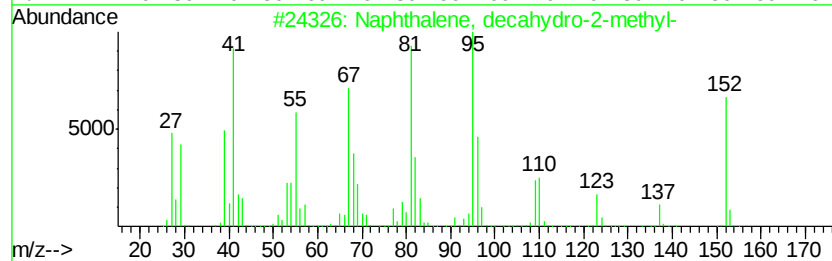
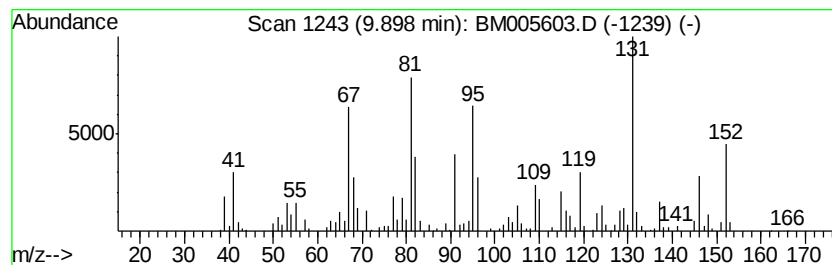
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Quant Title : SVOA CALIBRATION

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

Peak Number 43 (DEL) Alkane: Branched9.90 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	3.50 ng/ul	522855	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	56
3		1H-Indene, 2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	56
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	49



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
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Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

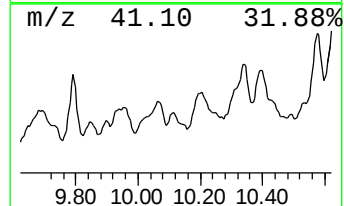
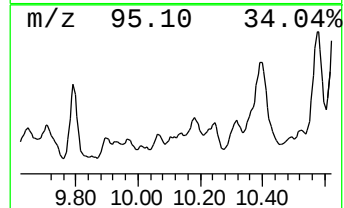
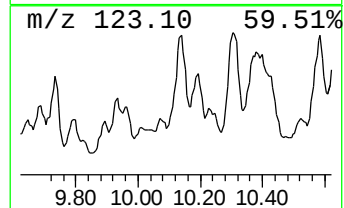
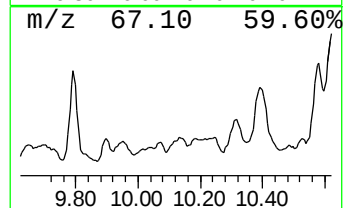
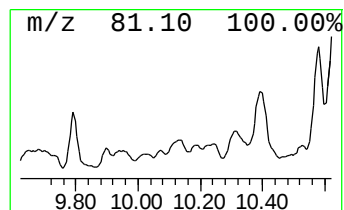
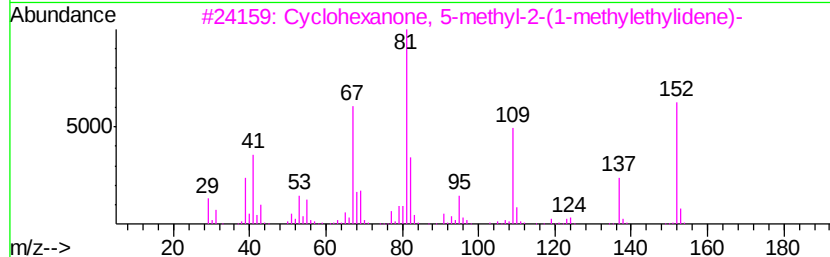
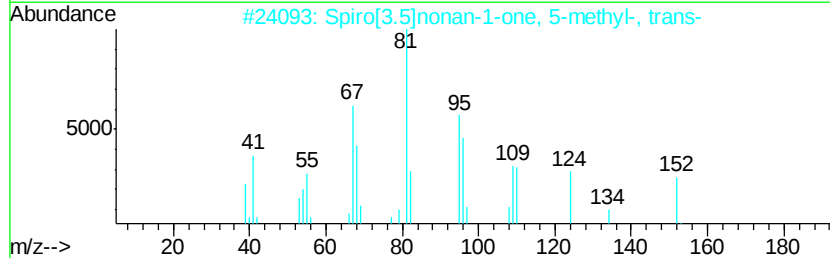
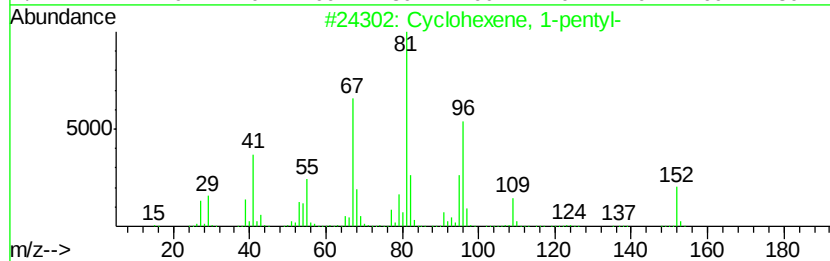
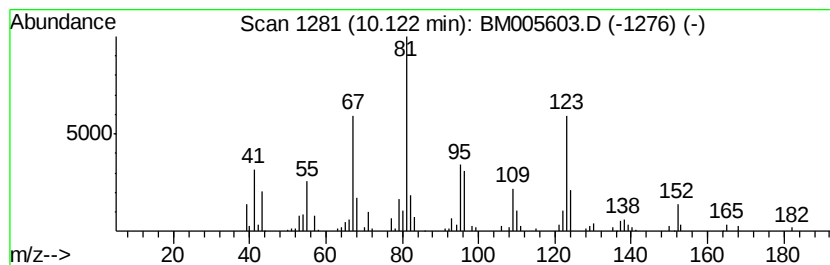
Instrument :
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ClientSampleId :
JHGL1

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 45 (DEL) Alkane: Branched10.12 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	2.22 ng/ul	331735	Napthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexene, 1-pentyl-	152 C11H20	015232-85-6 46
2		Spiro[3.5]nonan-1-one, 5-methyl-...	152 C10H16O	065147-56-0 46
3		Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6 42
4		Cyclohexene,1-heptyl-	180 C13H24	015232-86-7 38
5		Pulegone	152 C10H16O	000089-82-7 38



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

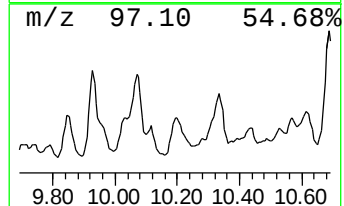
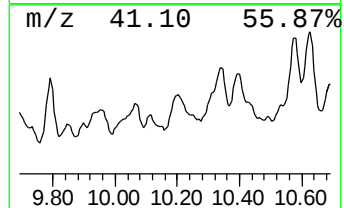
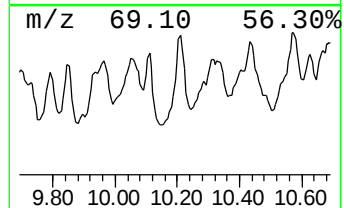
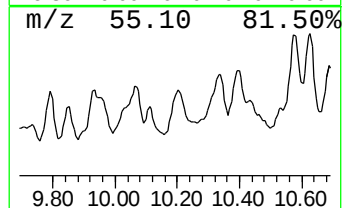
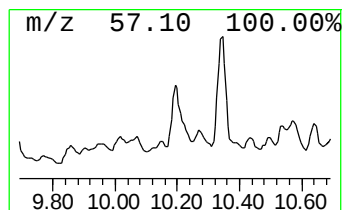
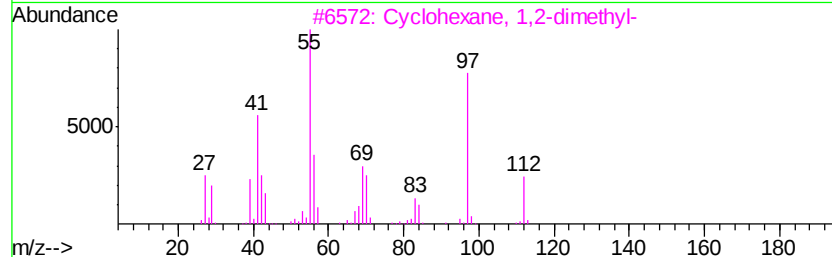
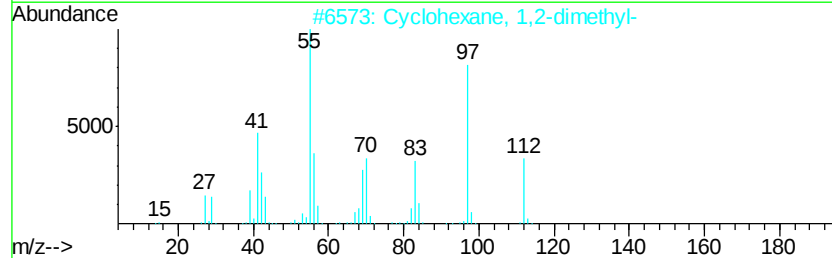
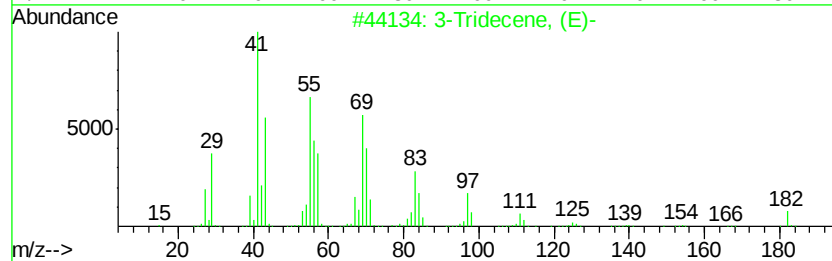
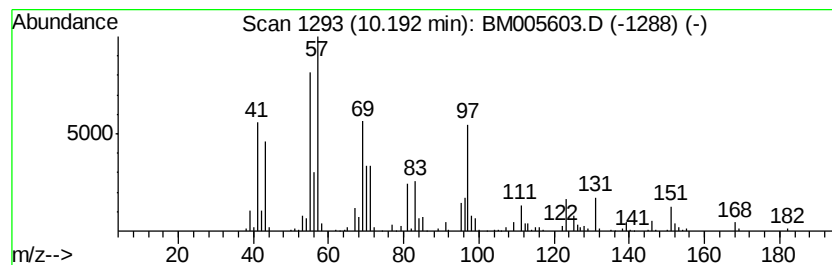
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 46 (DEL) Alkane: Cyclic10.19 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	5.24 ng/ul	783325	Napthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Tridecene, (E)-	182 C13H26	041446-57-5	42
2	Cyclohexane, 1,2-dimethyl-	112 C8H16	000583-57-3	38
3	Cyclohexane, 1,2-dimethyl-	112 C8H16	000583-57-3	27
4	1-Docosene	308 C22H44	001599-67-3	27
5	Cyclohexane, 1,2-dimethyl-, cis-	112 C8H16	002207-01-4	25



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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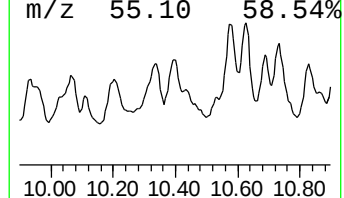
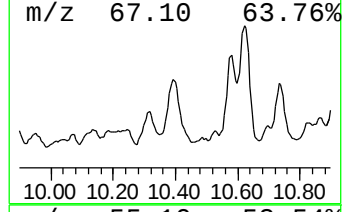
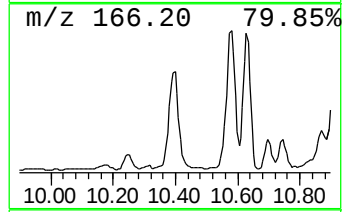
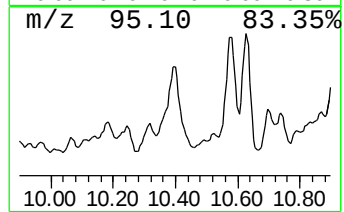
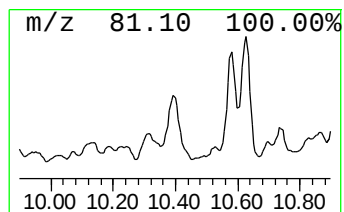
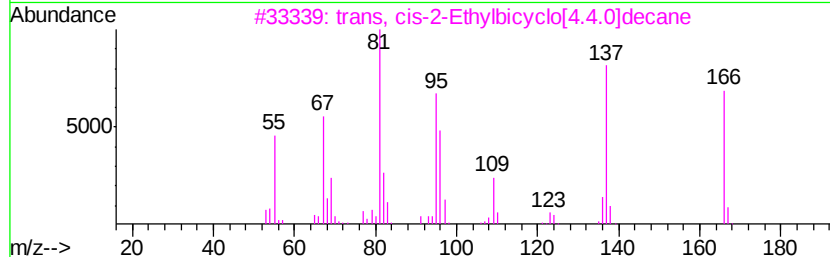
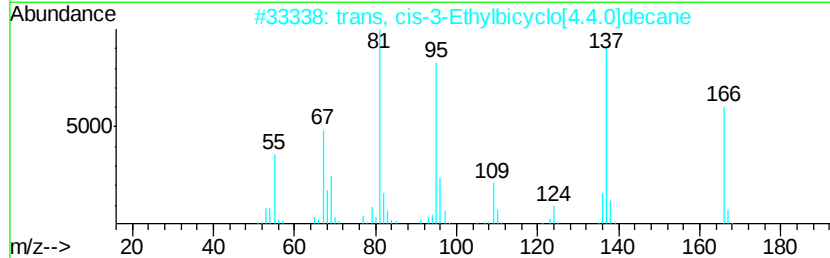
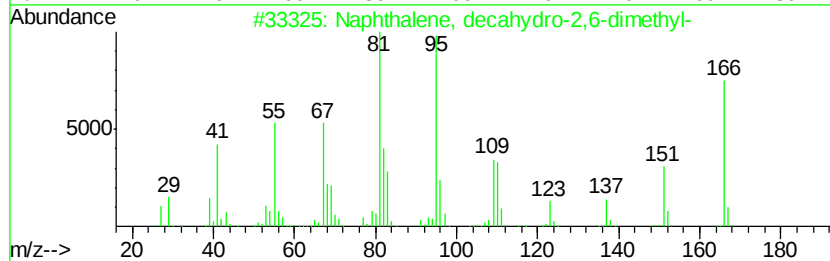
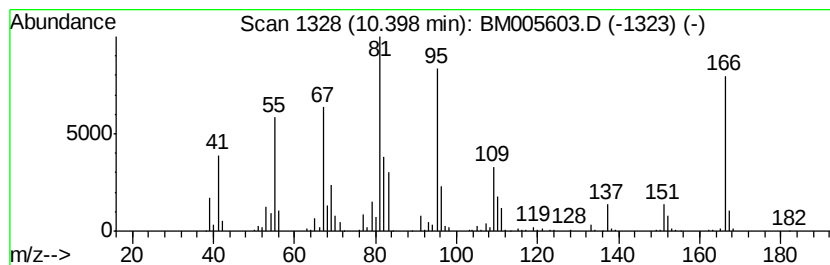
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Quant Title : SVOA CALIBRATION

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

Peak Number 48 (DEL) Alkane: Branched10.40 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	11.99 ng/ul	1793310	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	94
2		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	86
3		trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	83
4		cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	80
5		cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	80



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

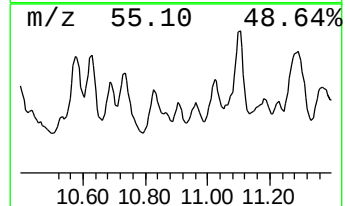
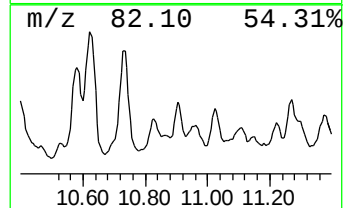
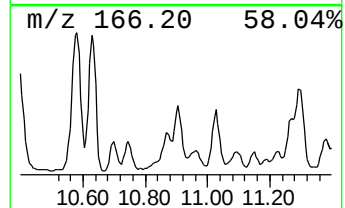
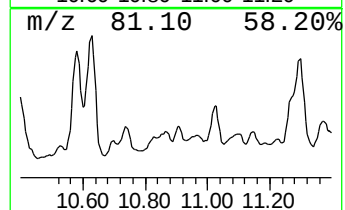
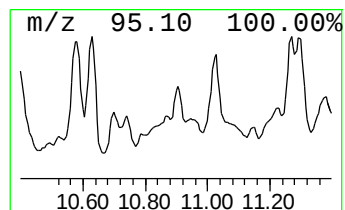
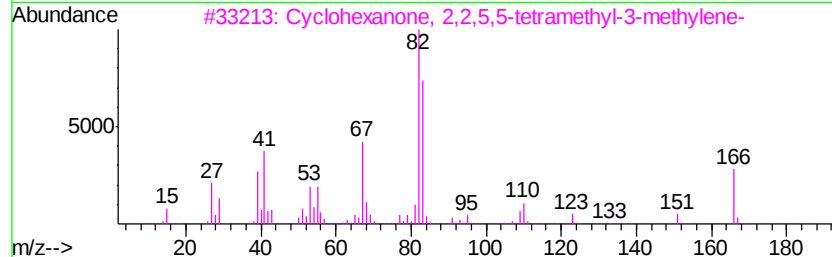
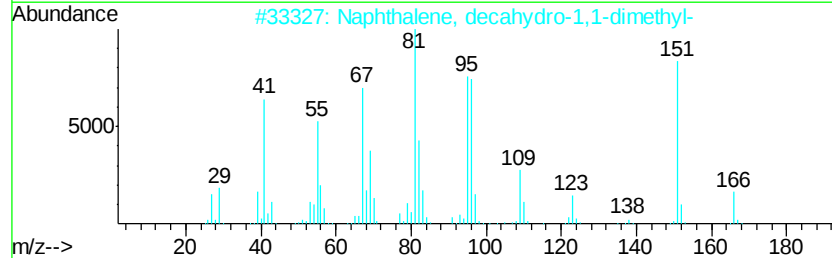
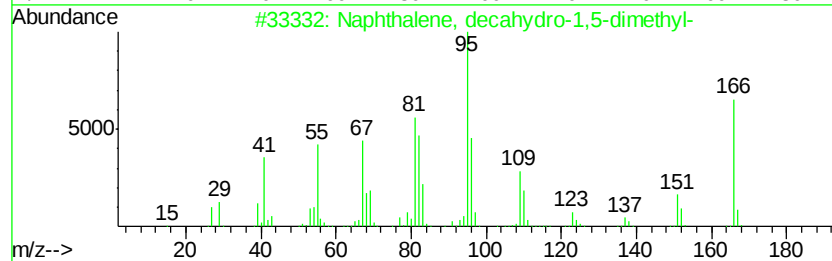
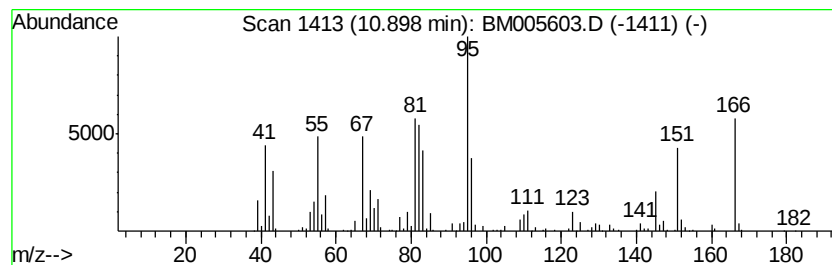
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 50 (DEL) Alkane: Branched10.90 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	3.50 ng/ul	523976	Naphthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-1,5-dimet...	166 C12H22	066552-62-3 47
2		Naphthalene, decahydro-1,1-dimet...	166 C12H22	035431-04-0 43
3		Cyclohexanone, 2,2,5,5-tetrameth...	166 C11H18O	035505-97-6 42
4		cis,cis-1,6-Dimethylspiro[4.5]de...	166 C12H22	1000111-72-4 35
5		1H-Indene, octahydro-, cis-	124 C9H16	004551-51-3 22



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
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Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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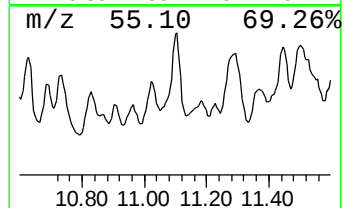
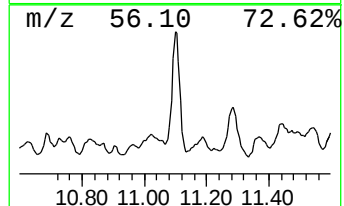
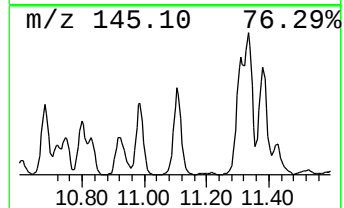
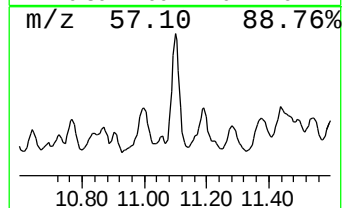
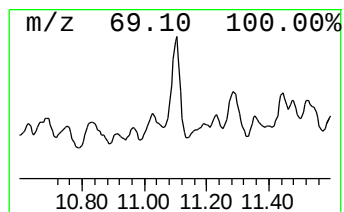
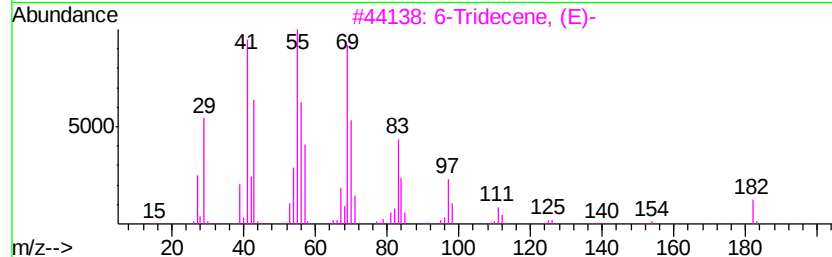
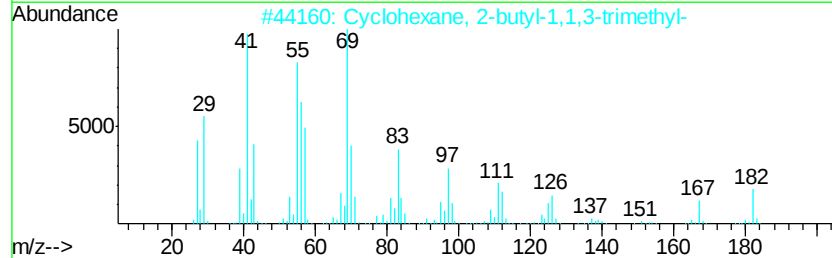
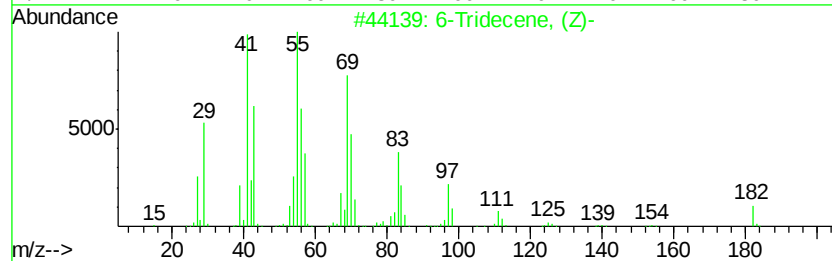
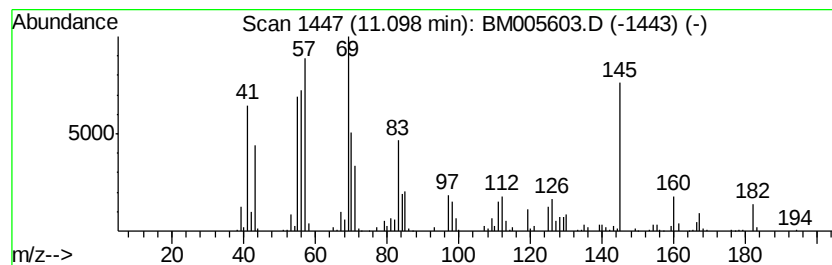
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 (DEL) Alkane: Cyclic11.10 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	14.04 ng/ul	2099300	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, (Z)-	182	C13H26	006508-77-6	70
2		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	70
3		6-Tridecene, (E)-	182	C13H26	006434-76-0	70
4		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	60
5		3-Tridecene, (Z)-	182	C13H26	041446-53-1	60



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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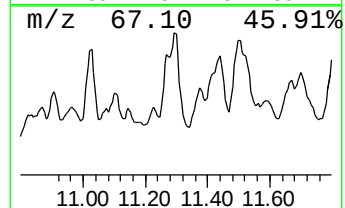
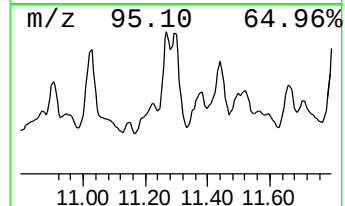
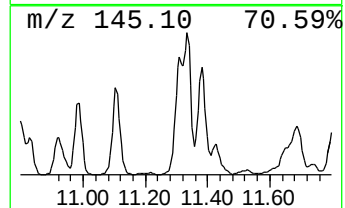
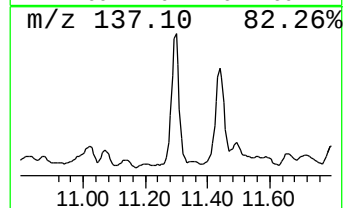
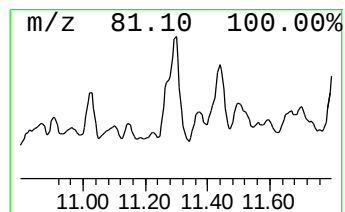
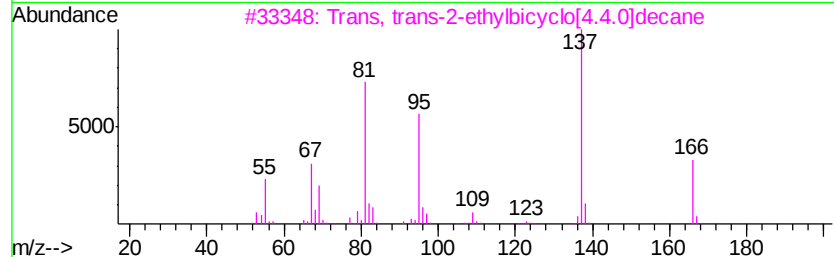
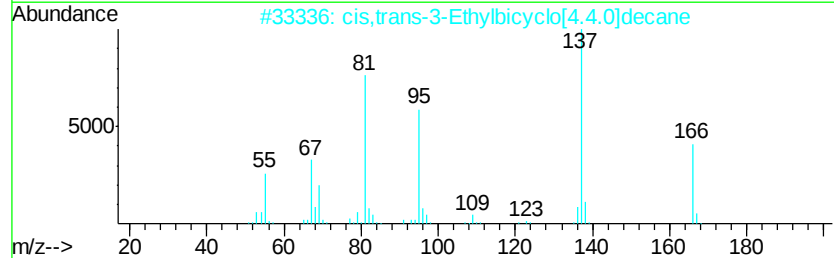
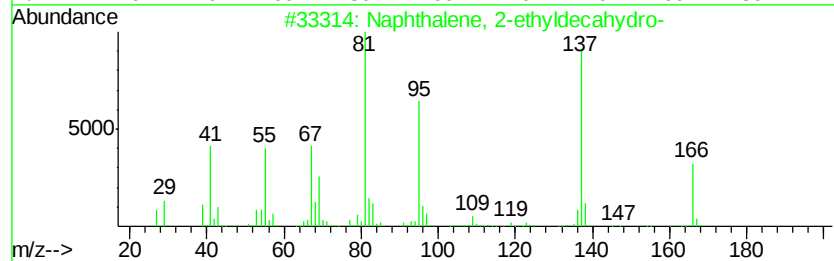
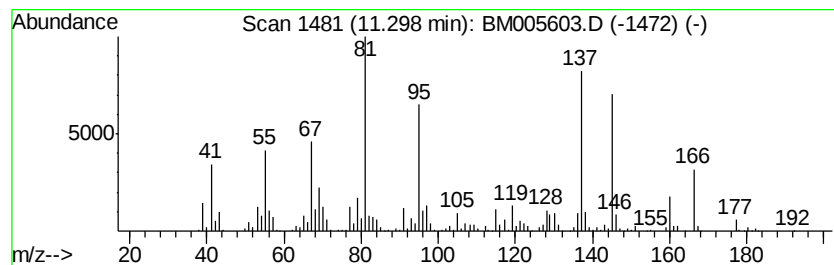
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 (DEL) Alkane: Branched11.30 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	27.01 ng/ul	4038830	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	81
2		cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	74
3		Trans, trans-2-ethylbicyclo[4.4....	166	C12H22	066660-37-5	74
4		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	58
5		4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	58



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

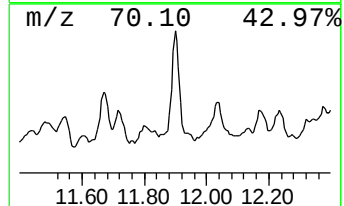
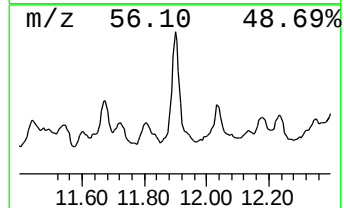
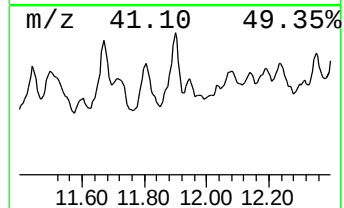
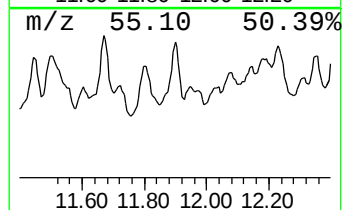
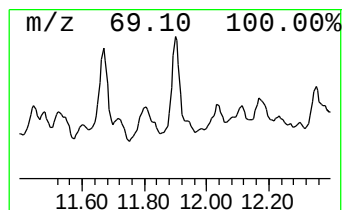
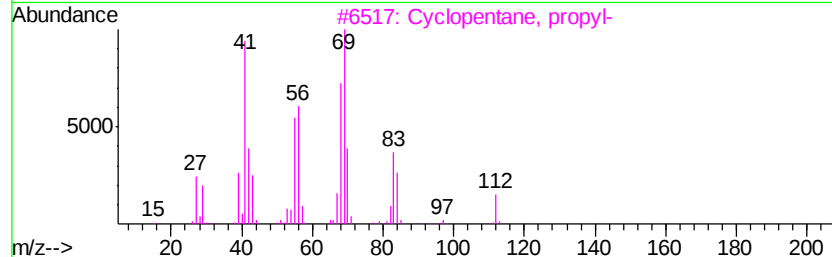
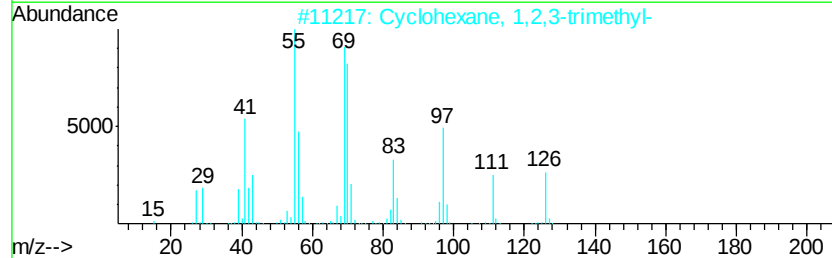
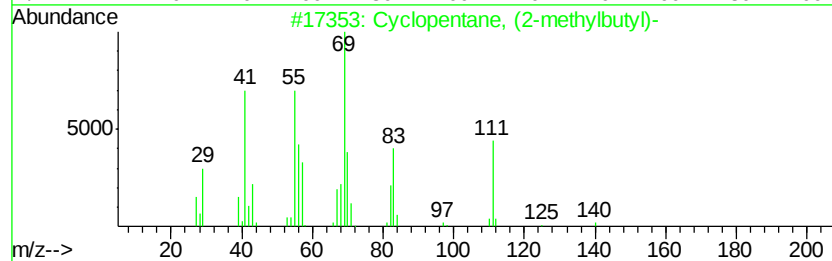
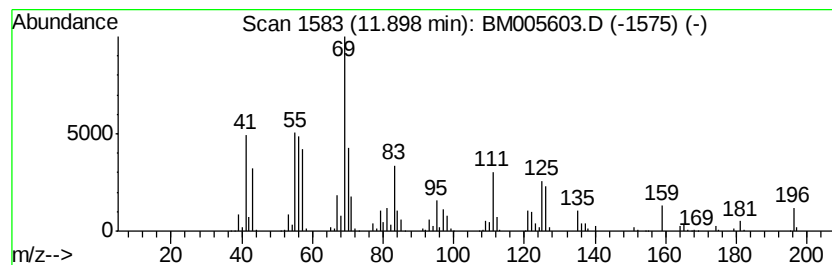
Instrument :
BNA_M
ClientSampleId :
JHGL1

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 56 (DEL) Alkane: Cyclic11.90 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.90	18.88 ng/ul	2823290	Naphthalene-d8	10.62		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	50
2		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	49
3		Cyclopentane, propyl-	112	C8H16	002040-96-2	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\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleID :
JHGL1

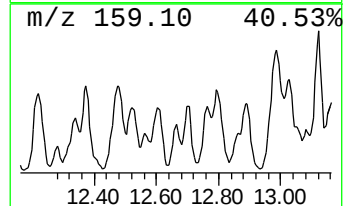
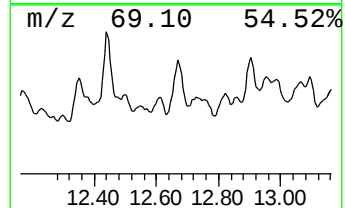
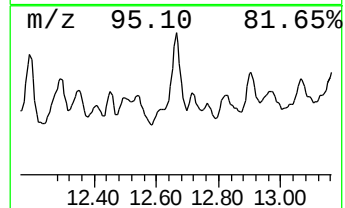
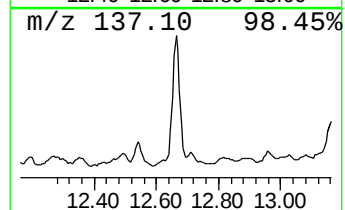
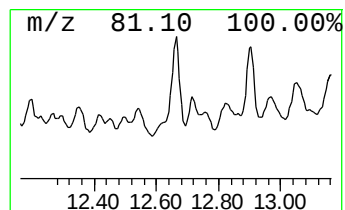
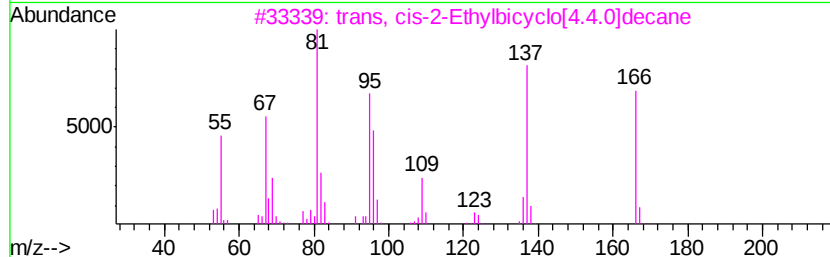
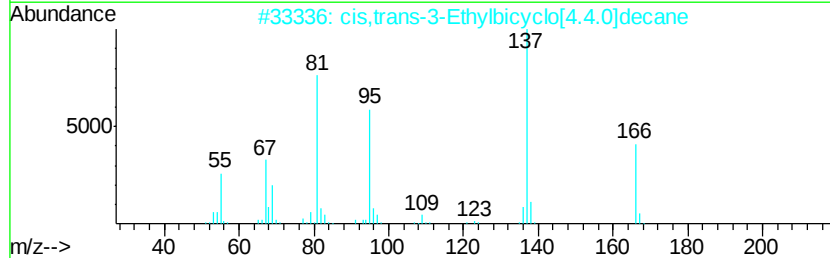
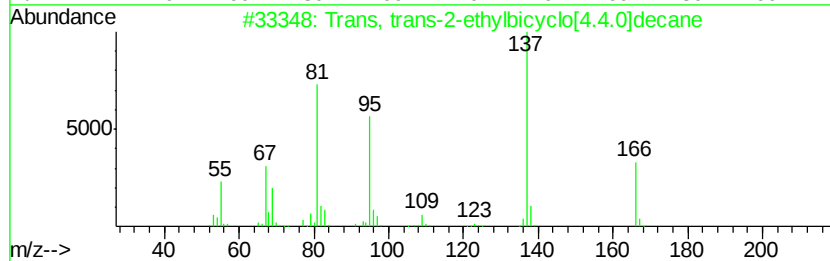
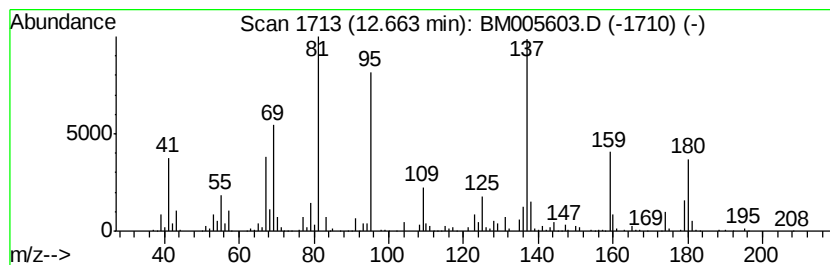
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Quant Title : SVOA CALIBRATION

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

Peak Number 61 (DEL) Alkane: Branched12.66 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	9.54 ng/ul	1213340	Acenaphthene-d10	14.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trans, trans-2-ethylbicyclo[4.4....	166	C12H22	066660-37-5	59
2		cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	59
3		trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	50
4		cis,cis-2,8-Dimethylspiro[5.5]un...	180	C13H24	095530-75-9	38
5		cis,trans-1,7-Dimethylspiro[5.5]...	180	C13H24	1000111-73-1	25



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

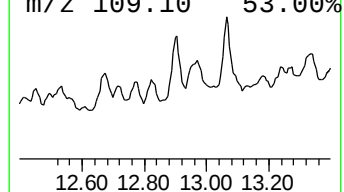
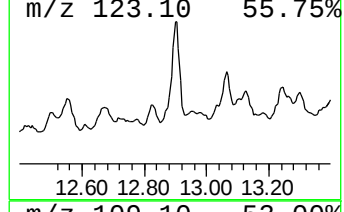
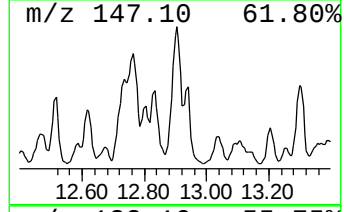
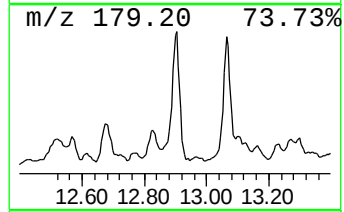
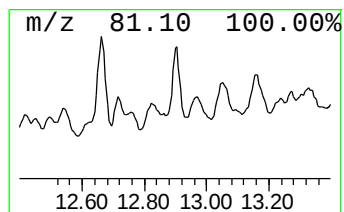
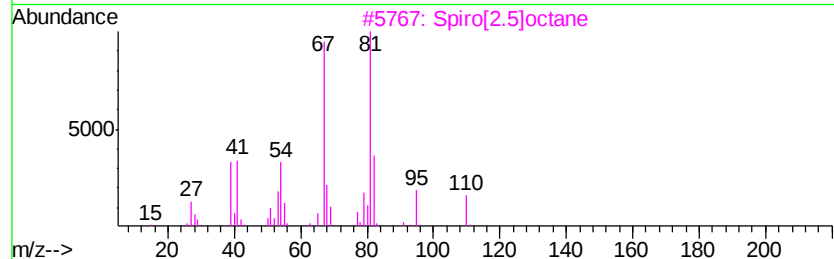
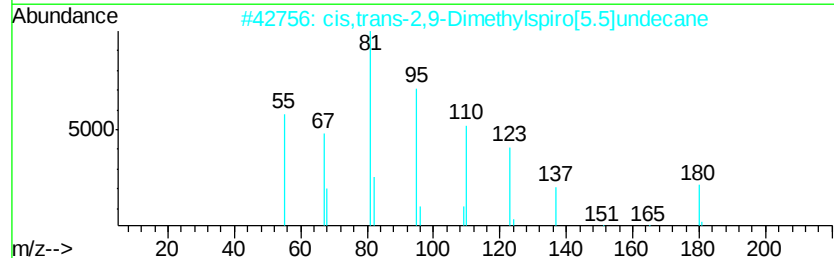
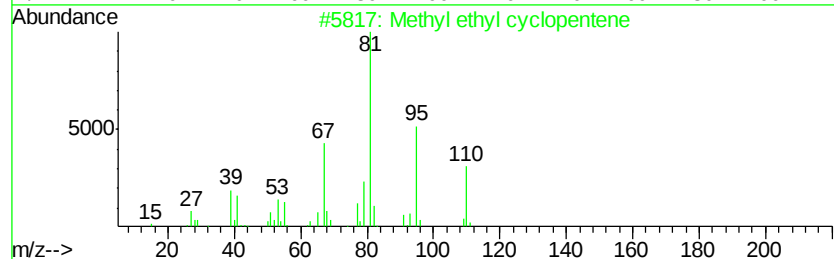
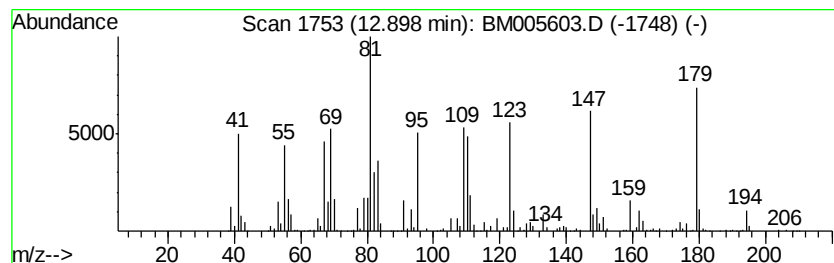
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 63 (DEL) Alkane: Branched12.90 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	23.52 ng/ul	2991280	Acenaphthene-d10	14.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Methyl ethyl cyclopentene	110 C8H14	019780-56-4 41
2		cis,trans-2,9-Dimethylspiro[5.5]...	180 C13H24	095530-74-8 38
3		Spiro[2.5]octane	110 C8H14	000185-65-9 27
4		Undec-10-ynoic acid	182 C11H18O2	002777-65-3 22
5		1H-Imidazole, 2-ethyl-4-methyl-	110 C6H10N2	000931-36-2 18



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
Data File : BM005603.D
Acq On : 23 May 2016 01:06
Operator : UM/SJ
Sample : H3086-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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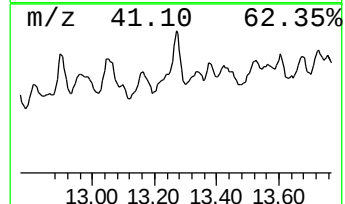
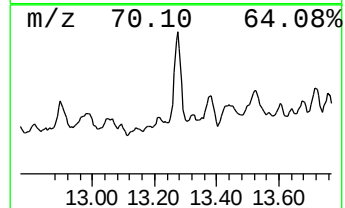
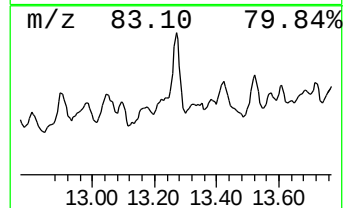
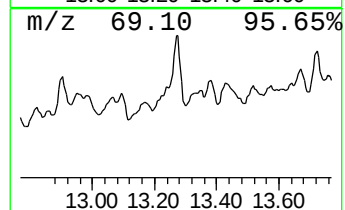
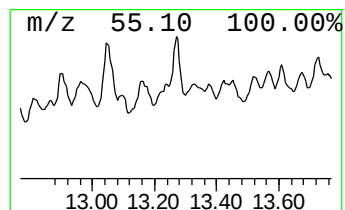
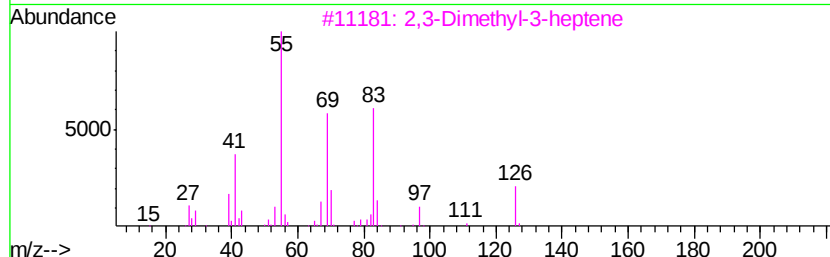
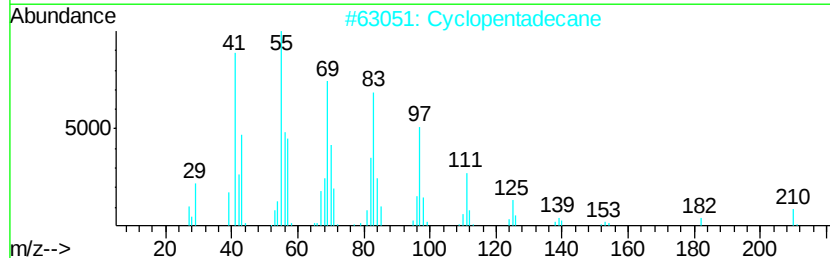
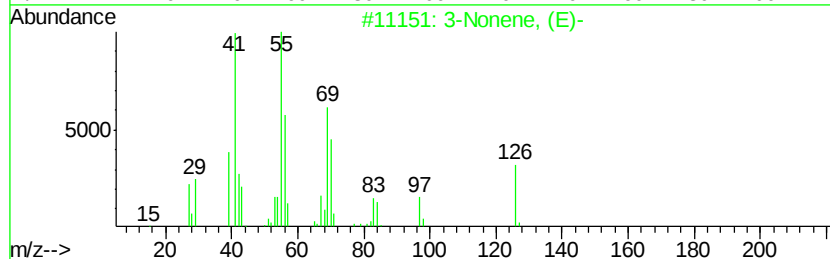
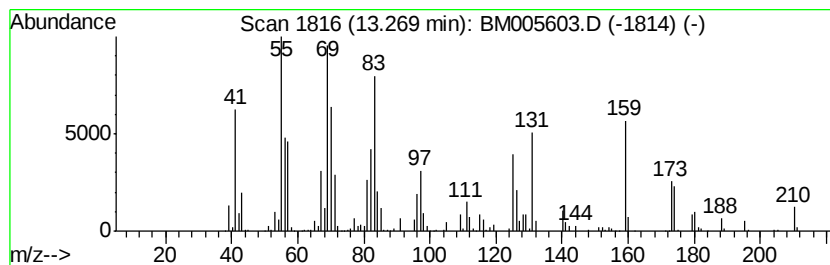
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Quant Title : SVOA CALIBRATION

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

Peak Number 64 (DEL) Alkane: Cyclic13.27 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	16.74 ng/ul	2128000	Acenaphthene-d10	14.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene, (E)-		126	C9H18	020063-92-7	38
2	Cyclopentadecane		210	C15H30	000295-48-7	38
3	2,3-Dimethyl-3-heptene		126	C9H18	1000113-49-3	38
4	Cyclohexane, 1,1,2,3-tetramethyl-		140	C10H20	006783-92-2	30
5	1-Dodecanol, 3,7,11-trimethyl-		228	C15H32O	006750-34-1	27



Data Path : Z:\HPCHEM1\BNA_M\Data\BM052216\
 Data File : BM005603.D
 Acq On : 23 May 2016 01:06
 Operator : UM/SJ
 Sample : H3086-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL1

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	4.94	5.8	ng/ul	141708	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	5.70	16.6	ng/ul	406107	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	5.82	5.0	ng/ul	122880	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	5.92	29.6	ng/ul	724803	1	7.82	489969	20.0
(DEL) Alkane: Str...	6.00	7.3	ng/ul	177853	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	6.08	38.2	ng/ul	935928	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	6.22	17.7	ng/ul	434272	1	7.82	489969	20.0
(DEL) Alkane: Str...	6.30	30.9	ng/ul	755938	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	6.37	22.8	ng/ul	557800	1	7.82	489969	20.0
(DEL) Alkane: Str...	6.42	36.2	ng/ul	886966	1	7.82	489969	20.0
(DEL) Alkane: Str...	6.49	51.0	ng/ul	1249000	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	6.57	34.0	ng/ul	833507	1	7.82	489969	20.0
(DEL) Alkane: Bra...	6.64	50.1	ng/ul	1228420	1	7.82	489969	20.0
(DEL) Alkane: Bra...	6.70	6.2	ng/ul	151906	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	6.78	14.6	ng/ul	358320	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	6.92	18.9	ng/ul	463914	1	7.82	489969	20.0
2,4-Nonadienal, (...)	7.10	47.8	ng/ul	1171550	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	7.24	20.3	ng/ul	496515	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	7.47	20.6	ng/ul	505409	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	7.54	41.8	ng/ul	1023850	1	7.82	489969	20.0
Cyclohexanol, 5-m...	7.63	32.7	ng/ul	800561	1	7.82	489969	20.0
Bicyclo[3.1.1]hep...	7.75	92.7	ng/ul	2270070	1	7.82	489969	20.0
(DEL) Alkane: Bra...	7.89	30.5	ng/ul	747442	1	7.82	489969	20.0
(DEL) Alkane: Bra...	7.96	27.7	ng/ul	678167	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	8.00	65.0	ng/ul	1591880	1	7.82	489969	20.0
(DEL) Alkane: Bra...	8.05	7.8	ng/ul	192230	1	7.82	489969	20.0
unknown-02	8.09	17.9	ng/ul	437512	1	7.82	489969	20.0
unknown-03	8.13	9.3	ng/ul	226887	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	8.16	23.2	ng/ul	568360	1	7.82	489969	20.0
(DEL) Alkane: Bra...	8.23	20.7	ng/ul	506178	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	8.26	16.3	ng/ul	399719	1	7.82	489969	20.0
(DEL) Alkane: Bra...	8.35	33.3	ng/ul	814801	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	8.37	38.2	ng/ul	935539	1	7.82	489969	20.0
(DEL) Alkane: Bra...	8.69	79.6	ng/ul	1950570	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	8.80	47.9	ng/ul	1174470	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	8.92	84.1	ng/ul	2061100	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	9.07	21.7	ng/ul	531891	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	9.13	29.7	ng/ul	728701	1	7.82	489969	20.0
(DEL) Alkane: Cyc...	9.16	56.3	ng/ul	1379490	1	7.82	489969	20.0
(DEL) Alkane: Bra...	9.24	2.9	ng/ul	429935	2	10.62	2991090	20.0
(DEL) Alkane: Bra...	9.35	3.9	ng/ul	586283	2	10.62	2991090	20.0
Pulegone	9.53	22.7	ng/ul	3398700	2	10.62	2991090	20.0
(DEL) Alkane: Bra...	9.90	3.5	ng/ul	522855	2	10.62	2991090	20.0
(DEL) Alkane: Bra...	10.12	2.2	ng/ul	331735	2	10.62	2991090	20.0
(DEL) Alkane: Cyc...	10.19	5.2	ng/ul	783325	2	10.62	2991090	20.0
(DEL) Alkane: Bra...	10.40	12.0	ng/ul	1793310	2	10.62	2991090	20.0
(DEL) Alkane: Bra...	10.90	3.5	ng/ul	523976	2	10.62	2991090	20.0
(DEL) Alkane: Cyc...	11.10	14.0	ng/ul	2099300	2	10.62	2991090	20.0
(DEL) Alkane: Bra...	11.30	27.0	ng/ul	4038830	2	10.62	2991090	20.0

(DEL)	Alkane: Cyc...	11.90	18.9	ng/ul	2823290	2	10.62	2991090	20.0
(DEL)	Alkane: Bra...	12.66	9.5	ng/ul	1213340	3	14.47	2543140	20.0
(DEL)	Alkane: Bra...	12.90	23.5	ng/ul	2991280	3	14.47	2543140	20.0
(DEL)	Alkane: Cyc...	13.27	16.7	ng/ul	2128000	3	14.47	2543140	20.0

Instrument :

BNA_M

ClientSampleId :

JHGL1