

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
 Data File : BM009822.D
 Acq On : 30 Apr 2017 21:19
 Operator : SJ/MA
 Sample : I2849-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSW5

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM042517.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	6.545	580	588	594	rVB	314266	524671	2.09%	0.178%
2	6.775	620	627	641	rVB3	383528	1164998	4.64%	0.395%
3	6.886	641	646	650	rBV2	370771	577204	2.30%	0.196%
4	6.945	650	656	659	rVV4	483302	1103910	4.40%	0.375%
5	6.981	659	662	666	rVV	739355	1209654	4.82%	0.410%
6	7.022	666	669	674	rVB2	308717	513776	2.05%	0.174%
7	7.151	680	691	701	rBV3	595417	1911125	7.62%	0.648%
8	7.345	720	724	730	rVB2	844979	1316005	5.25%	0.446%
9	7.698	777	784	789	rBV6	245997	704798	2.81%	0.239%
10	7.763	790	795	799	rVV	700535	1123901	4.48%	0.381%
11	7.810	799	803	808	rVB	663208	997466	3.98%	0.338%
12	7.863	808	812	816	rVB4	415305	677309	2.70%	0.230%
13	7.928	816	823	827	rBV3	796522	1739190	6.93%	0.590%
14	8.010	833	837	843	rBV	607561	1147527	4.57%	0.389%
15	8.069	844	847	852	rVB3	367117	569304	2.27%	0.193%
16	8.316	881	889	891	rBV2	930415	1648574	6.57%	0.559%
17	8.345	891	894	904	rVB4	1358901	2789480	11.12%	0.946%
18	8.439	904	910	916	rBV4	1129988	2265665	9.03%	0.769%
19	8.522	916	924	927	rBV2	946338	1692769	6.75%	0.574%
20	8.557	927	930	937	rVB4	763522	1376868	5.49%	0.467%
21	8.628	937	942	945	rBV	1417257	2303677	9.18%	0.782%
22	8.769	959	966	970	rBV4	765596	1909309	7.61%	0.648%
23	8.898	977	988	996	rBV3	2684494	6443100	25.68%	2.186%
24	8.986	997	1003	1010	rVB4	1684132	3428479	13.66%	1.163%
25	9.051	1011	1014	1018	rVB5	377019	522814	2.08%	0.177%
26	9.098	1018	1022	1024	rBV2	963260	1429215	5.70%	0.485%
27	9.216	1037	1042	1043	rBV2	821658	1210132	4.82%	0.411%
28	9.245	1044	1047	1053	rVB4	972669	1870654	7.46%	0.635%
29	9.322	1054	1060	1063	rBV5	1043047	2147458	8.56%	0.729%
30	9.428	1073	1078	1082	rVB3	1047908	1705426	6.80%	0.579%
31	9.516	1083	1093	1105	rVB5	3813446	10123336	40.35%	3.434%
32	9.651	1110	1116	1119	rBV6	726702	1647428	6.57%	0.559%
33	9.704	1122	1125	1132	rVB6	1510751	2863290	11.41%	0.971%
34	9.775	1132	1137	1144	rBV3	2989413	5588722	22.27%	1.896%

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35	9.875	1151	1154	1157	rBV3	484389	730578	2.91%	0.248%
36	10.004	1169	1176	1181	rBV5	1455093	3196555	12.74%	1.084%
37	10.180	1199	1206	1211	rBV5	1120500	2570279	10.24%	0.872%
38	10.233	1211	1215	1220	rVB3	1552696	2330827	9.29%	0.791%
39	10.304	1220	1227	1232	rBV5	1581853	3382824	13.48%	1.148%
40	10.374	1234	1239	1248	rVV2	1802516	4070909	16.22%	1.381%
41	10.445	1248	1251	1254	rVV2	765923	1233098	4.91%	0.418%
42	10.486	1255	1258	1261	rVV	1258593	2065234	8.23%	0.701%
43	10.557	1265	1270	1274	rVV	3190166	6815414	27.16%	2.312%
44	10.610	1275	1279	1284	rVV2	3002381	5528409	22.03%	1.876%
45	10.663	1285	1288	1293	rVV5	1463114	2685142	10.70%	0.911%
46	10.739	1293	1301	1307	rVB3	3535120	8521960	33.97%	2.891%
47	10.810	1308	1313	1323	rVB10	990541	2949811	11.76%	1.001%
48	11.010	1343	1347	1352	rVB4	1081356	1696462	6.76%	0.576%
49	11.074	1354	1358	1364	rVB2	3149880	5579722	22.24%	1.893%
50	11.127	1364	1367	1370	rBV3	624309	1028716	4.10%	0.349%
51	11.286	1385	1394	1400	rBV7	2160473	5702636	22.73%	1.935%
52	11.421	1413	1417	1422	rVB3	1279098	1909701	7.61%	0.648%
53	11.504	1428	1431	1439	rVB7	1428581	3089434	12.31%	1.048%
54	11.610	1444	1449	1452	rVV	4319013	6088057	24.26%	2.065%
55	11.645	1452	1455	1459	rVB3	1900060	2573507	10.26%	0.873%
56	11.792	1476	1480	1486	rVB5	1431284	2935238	11.70%	0.996%
57	11.874	1488	1494	1499	rBV4	2709496	5077318	20.24%	1.723%
58	12.010	1512	1517	1520	rBV4	1529305	2466390	9.83%	0.837%
59	12.239	1551	1556	1562	rVB	8939689	14135701	56.34%	4.796%
60	12.645	1621	1625	1630	rVB4	1863089	2981268	11.88%	1.011%
61	12.880	1661	1665	1671	rBV4	1698621	2768863	11.04%	0.939%
62	12.968	1676	1680	1686	rVB	5787389	8437702	33.63%	2.863%
63	13.251	1724	1728	1738	rVB3	2933477	5782133	23.05%	1.962%
64	13.833	1824	1827	1830	rBV3	1108711	1197691	4.77%	0.406%
65	13.868	1830	1833	1837	rVV	2480551	3726184	14.85%	1.264%
66	13.921	1838	1842	1846	rVB	5866126	7735429	30.83%	2.624%
67	14.157	1879	1882	1885	rBV	1424469	1975257	7.87%	0.670%
68	14.280	1899	1903	1908	rVB2	2748218	4568954	18.21%	1.550%
69	14.339	1909	1913	1916	rBV	2364134	3562986	14.20%	1.209%
70	14.415	1923	1926	1929	rBV4	1326195	1981843	7.90%	0.672%
71	15.239	2063	2066	2070	rBV5	1551558	2201146	8.77%	0.747%

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72	15.292	2072	2075	2079	rVB	1961513	2413122	9.62%	0.819%
73	15.462	2101	2104	2108	rBV	1927652	2330422	9.29%	0.791%
74	15.698	2140	2144	2153	rVB	4441557	7357758	29.32%	2.496%
75	16.180	2219	2226	2231	rBV	13112545	20733266	82.63%	7.034%
76	16.951	2354	2357	2360	rBV	2275322	2488134	9.92%	0.844%
77	17.003	2361	2366	2370	rVB	7229325	10476376	41.75%	3.554%
78	17.221	2400	2403	2407	rVB	2432240	3082080	12.28%	1.046%
79	17.321	2417	2420	2425	rVB	2753547	3685568	14.69%	1.250%
80	17.686	2480	2482	2488	rVB	2977332	3570226	14.23%	1.211%
81	21.303	3093	3097	3103	rVB	19485092	25090405	100.00%	8.512%

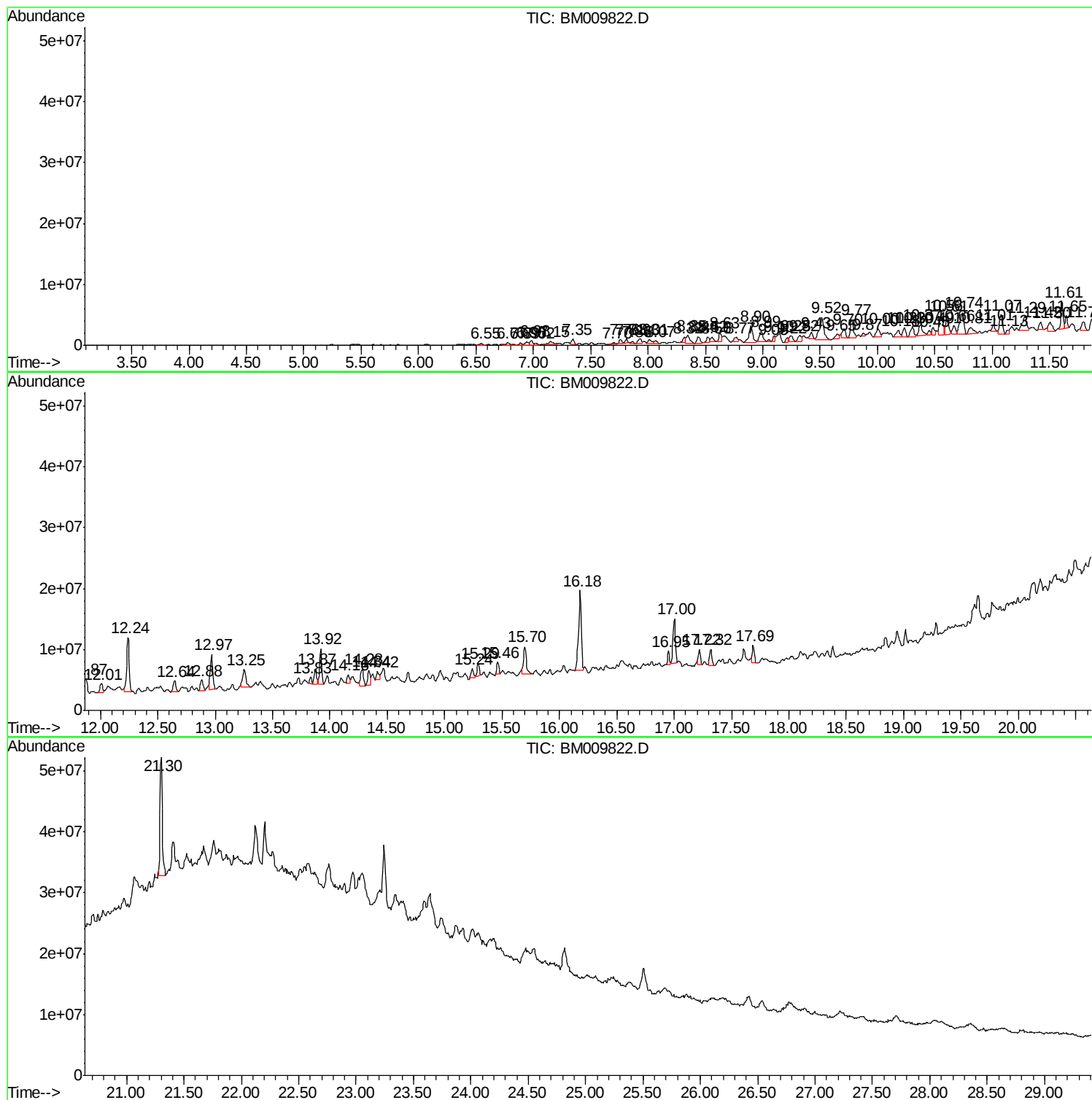
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM042517.M
Quant Title : SVOA CALIBRATION

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



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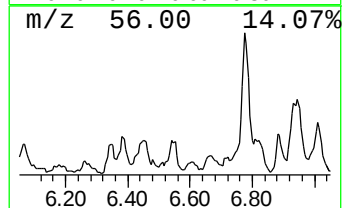
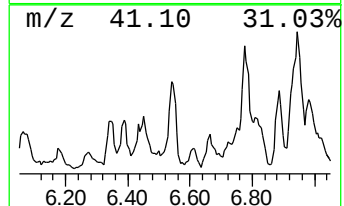
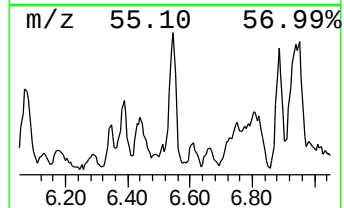
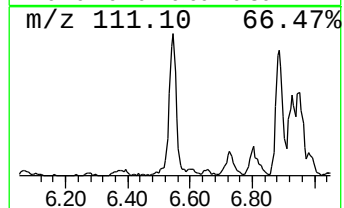
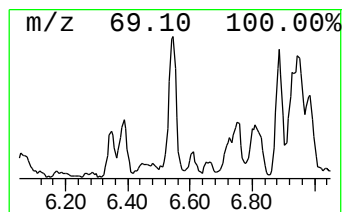
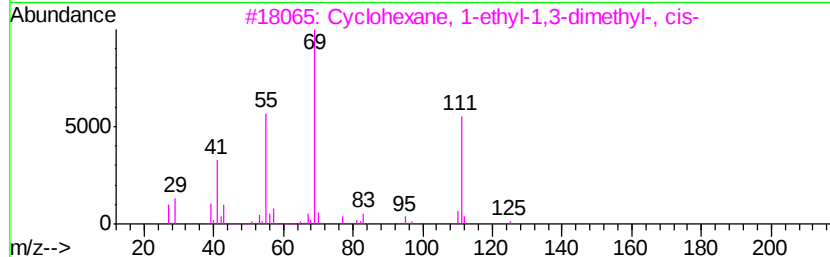
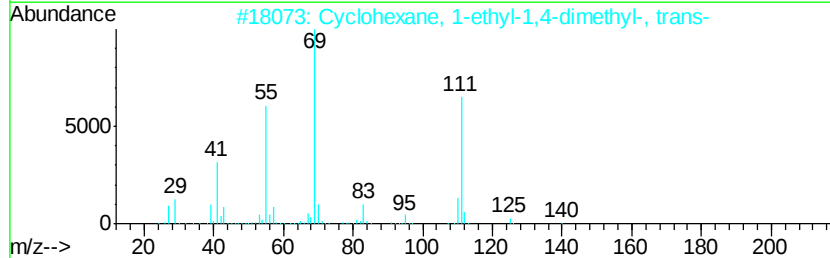
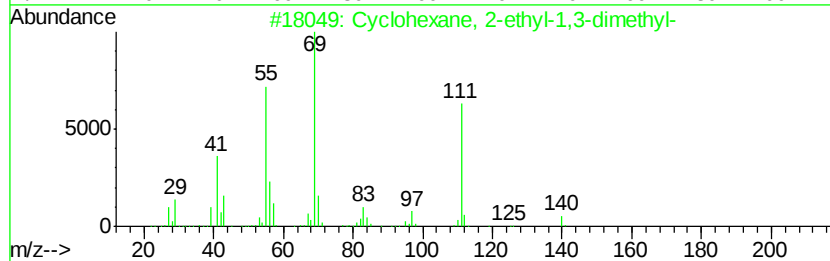
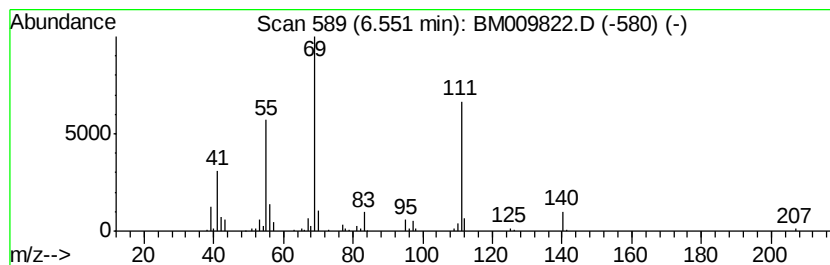
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM042517.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic6.55 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	10.52 ng/ul	524671	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	80
2		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	80
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	78
4		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	78
5		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	78



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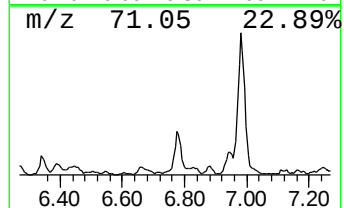
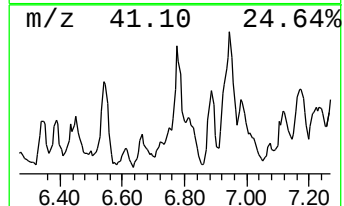
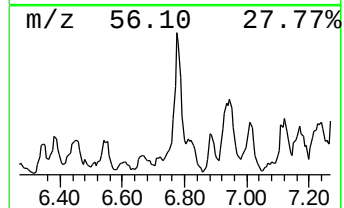
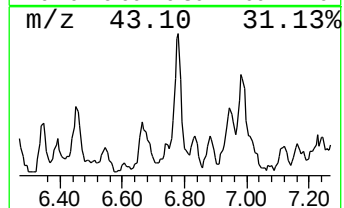
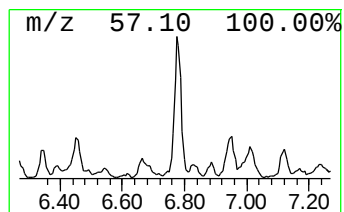
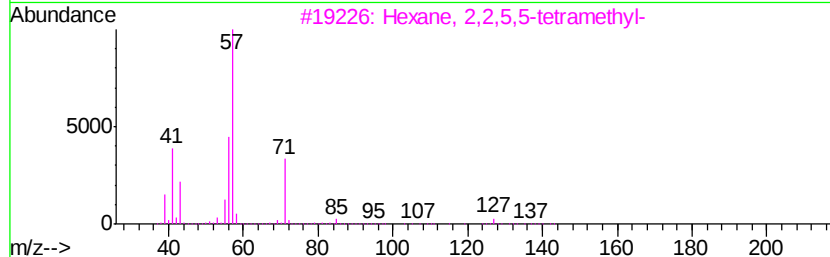
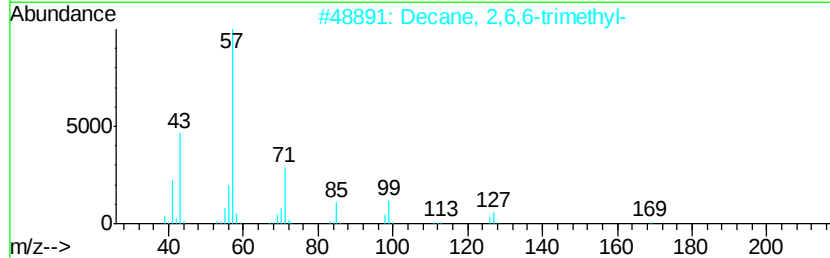
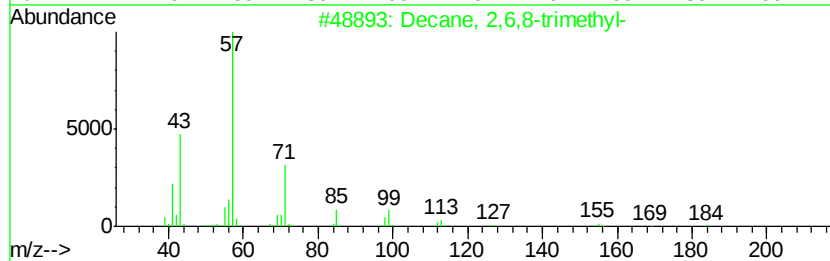
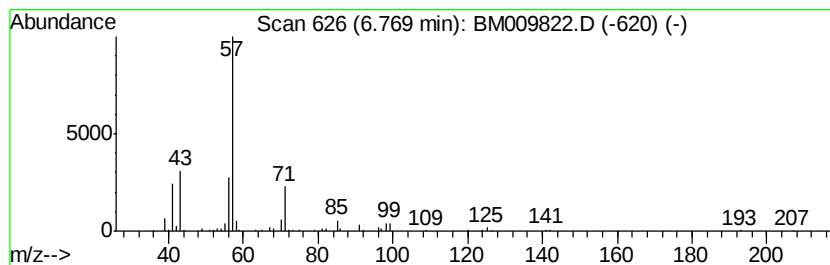
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	23.36 ng/ul	1165000	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	64
2		Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	64
3		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	43
5		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	43



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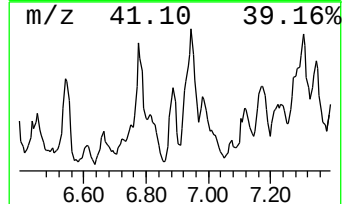
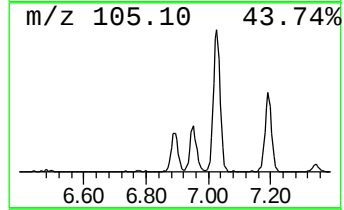
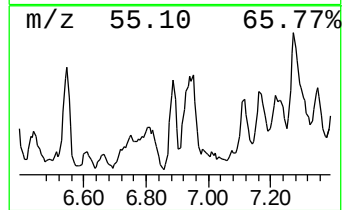
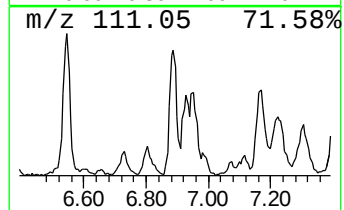
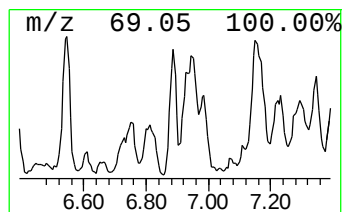
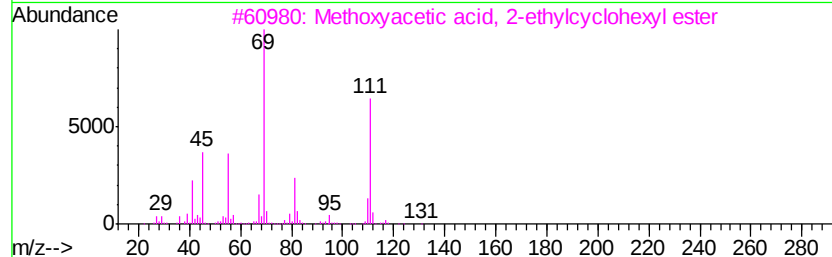
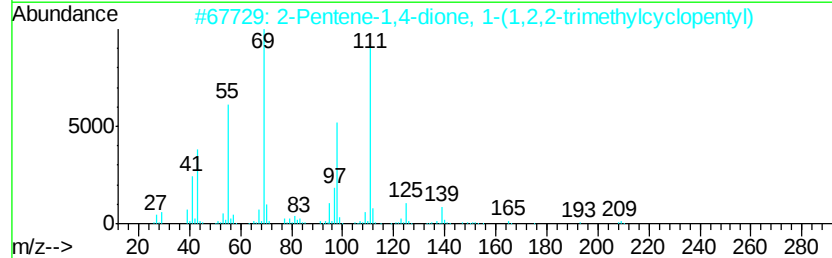
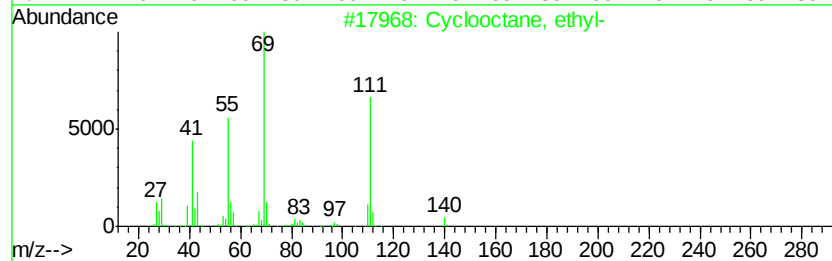
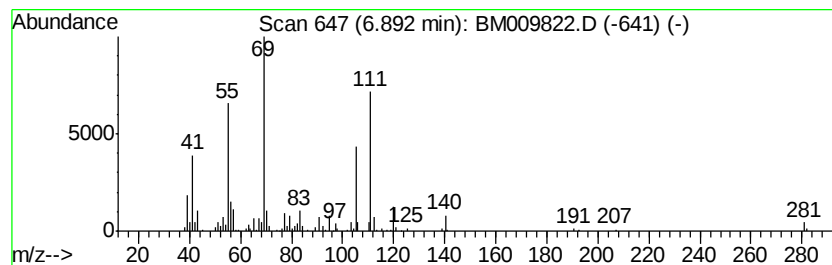
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic6.89 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	11.57 ng/ul	577204	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, ethyl-	140	C10H20	013152-02-8	62
2		2-Pentene-1,4-dione, 1-(1,2,2-tr...	208	C13H20O2	1000196-77-9	59
3		Methoxvacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	53
4		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	53
5		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	53



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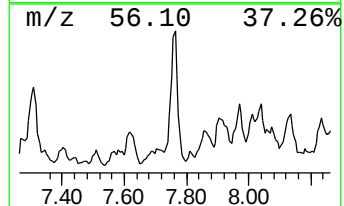
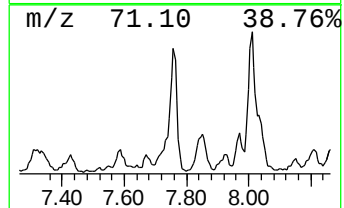
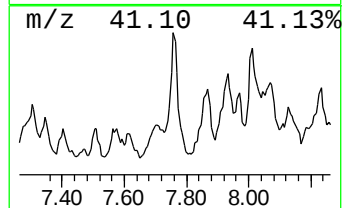
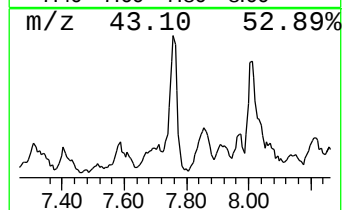
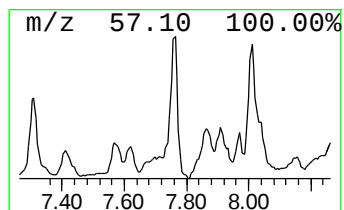
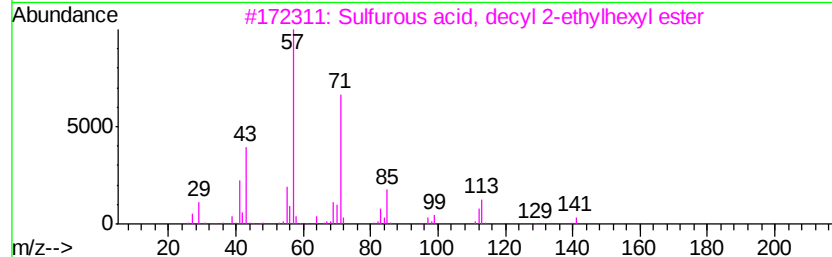
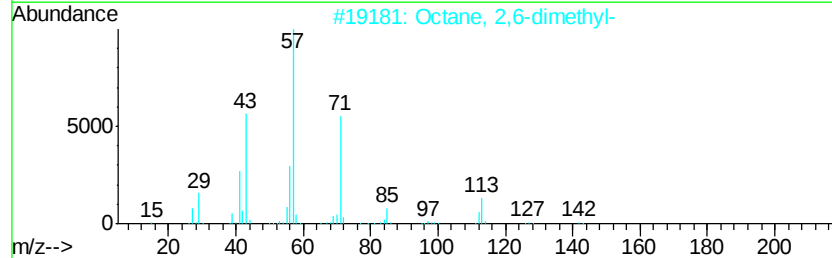
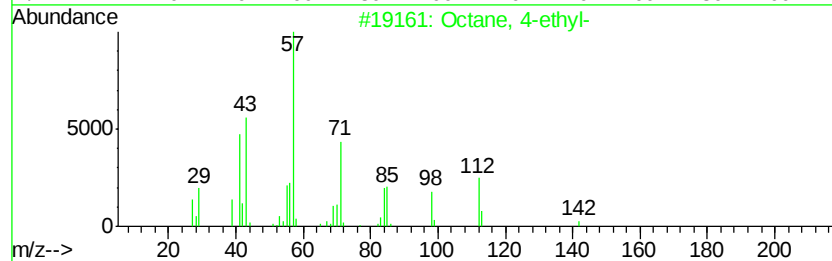
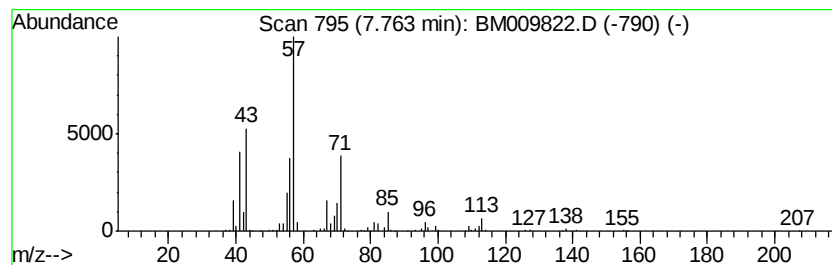
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	22.54 ng/ul	1123900	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 4-ethyl-	142	C10H22	015869-86-0	59
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
3		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	53
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
5		Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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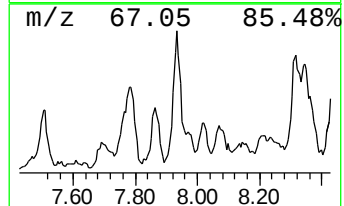
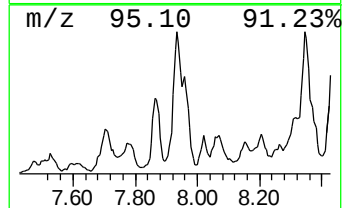
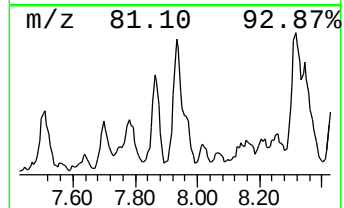
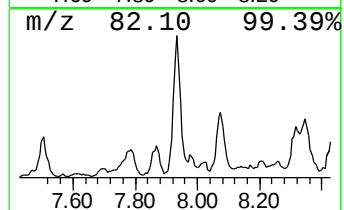
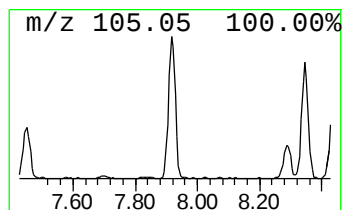
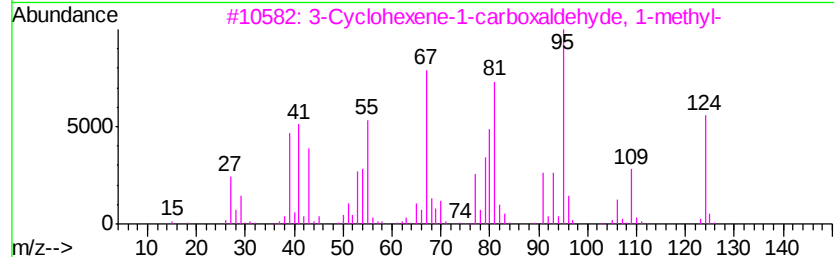
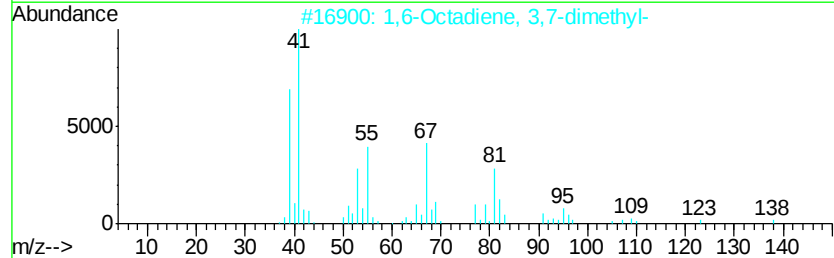
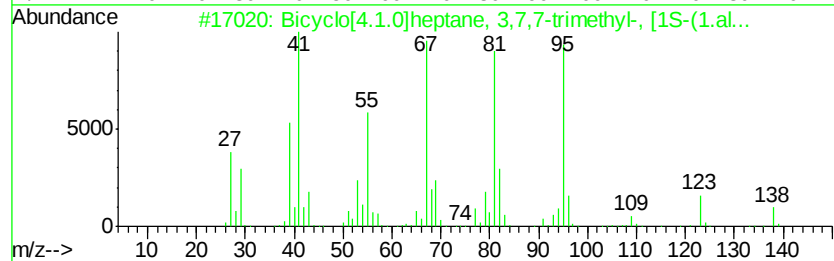
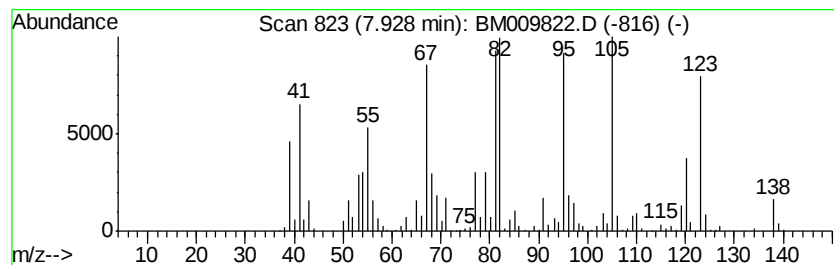
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Bicyclo[4.1.0]heptane, 3,7,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	34.87 ng/ul	1739190	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	006069-97-2	60
2		1,6-Octadiene, 3,7-dimethyl-	138	C10H18	002436-90-0	55
3		3-Cyclohexene-1-carboxaldehyde, ...	124	C8H12O	000931-96-4	50
4		Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	49
5		3,5-Octadiene, 2,7-dimethyl-, (Z...	138	C10H18	028980-73-6	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Sample : I2849-12
Misc :
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ClientSampleId :
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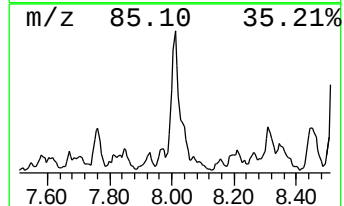
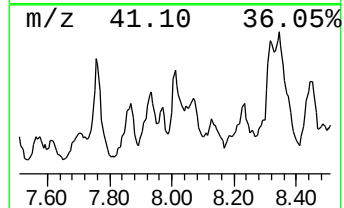
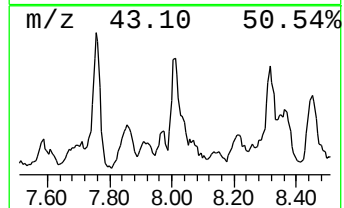
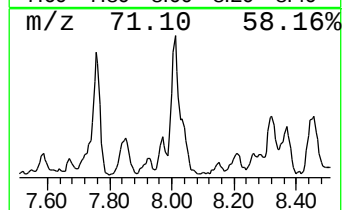
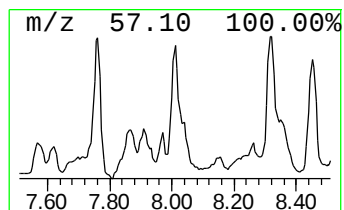
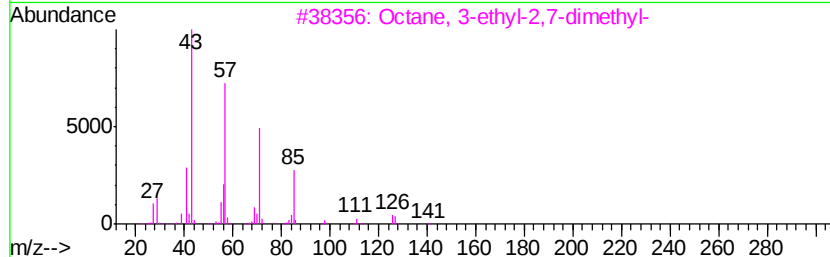
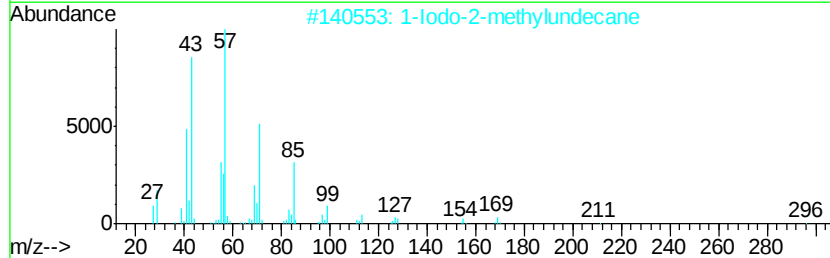
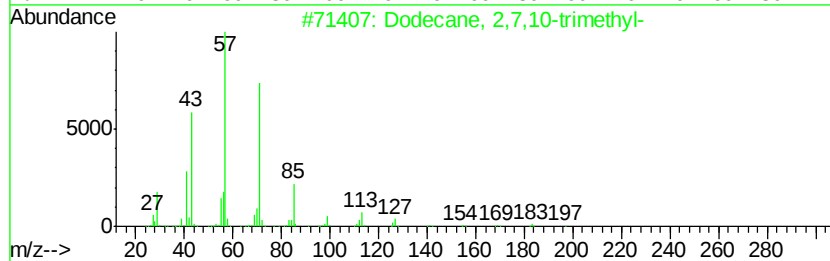
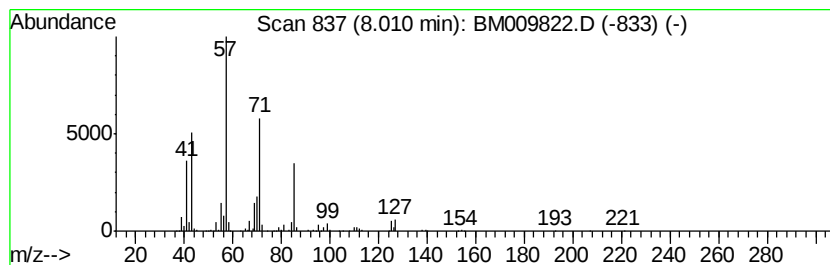
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	23.01 ng/ul	1147530	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
2		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
3		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	64
4		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	59
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
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ClientSampleId :
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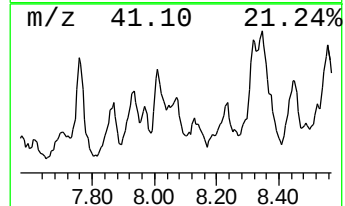
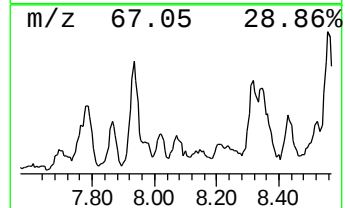
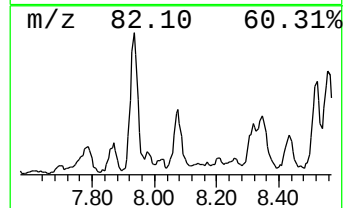
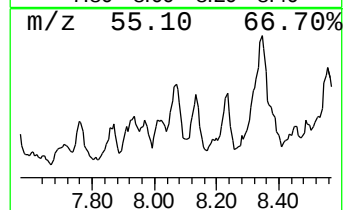
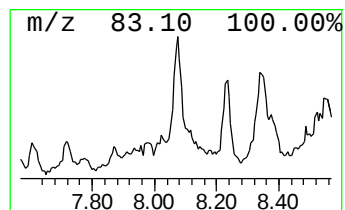
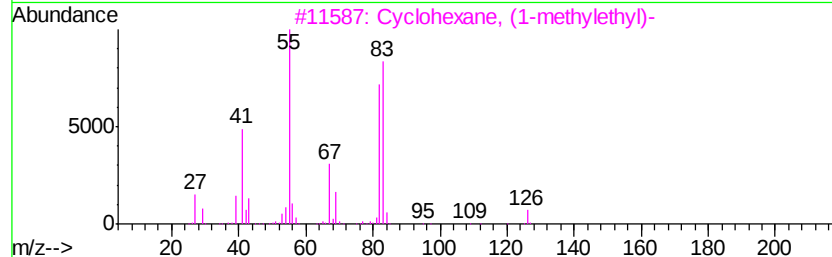
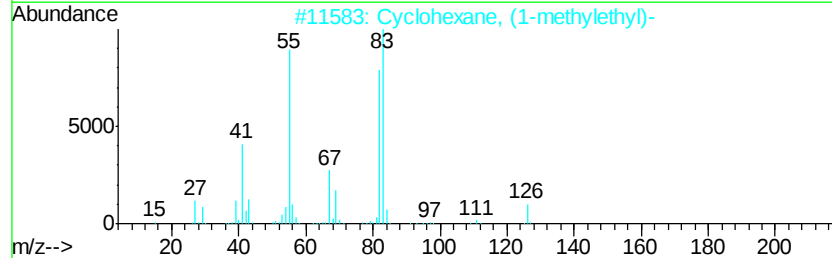
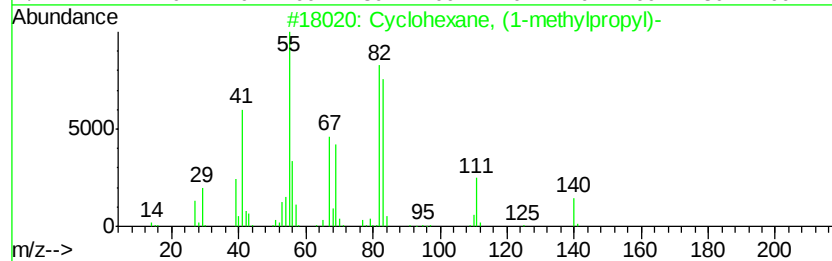
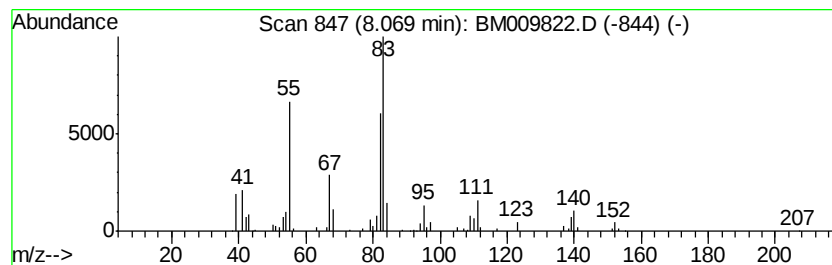
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic8.07 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	11.42 ng/ul	569304	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	60
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5		Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
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Misc :
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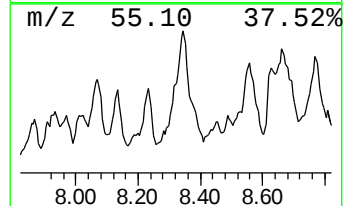
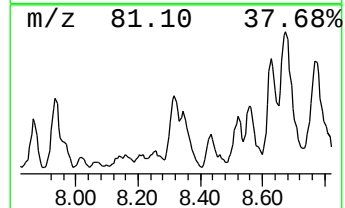
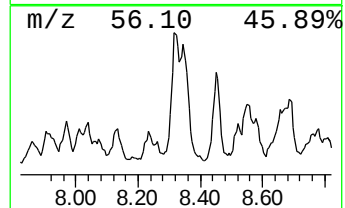
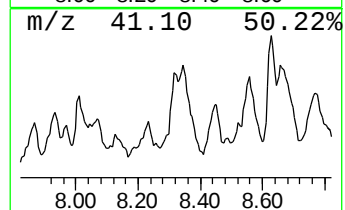
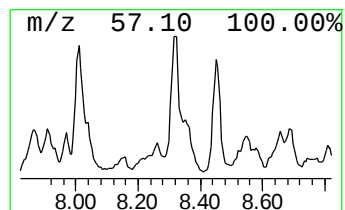
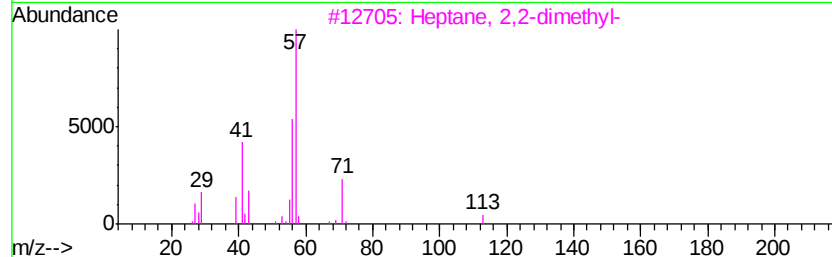
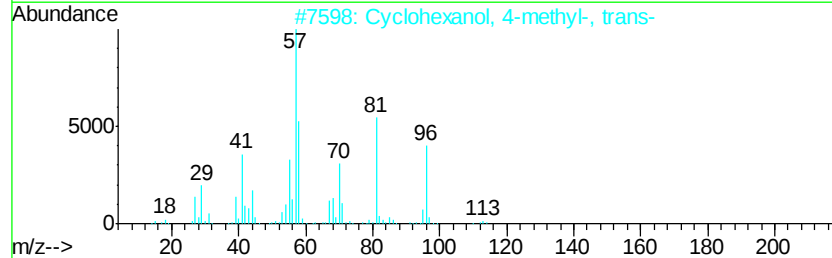
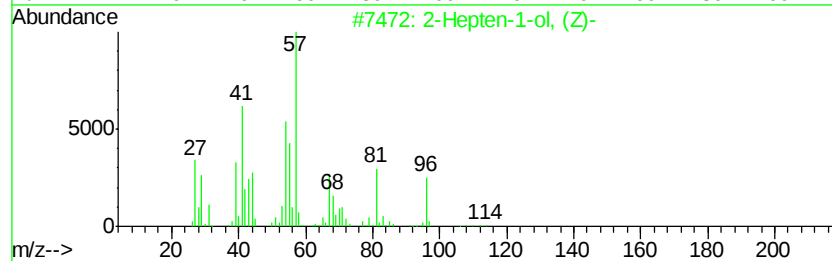
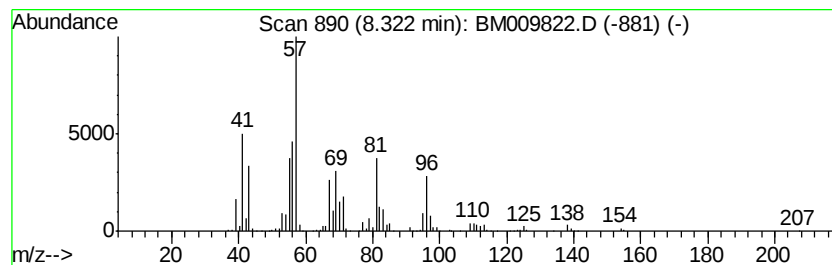
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	33.06 ng/ul	1648570	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hepten-1-ol, (Z)-	114	C7H14O	055454-22-3	41
2		Cyclohexanol, 4-methyl-, trans-	114	C7H14O	007731-29-5	41
3		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	35
4		1-Hexene, 4-methyl-	98	C7H14	003769-23-1	27
5		(Z)-2-Heptene	98	C7H14	006443-92-1	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
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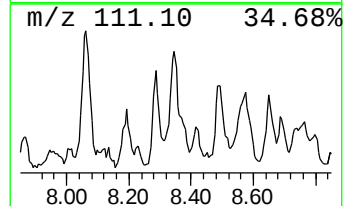
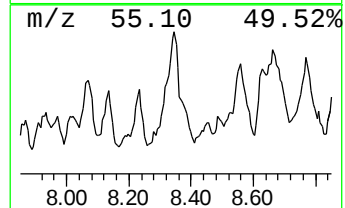
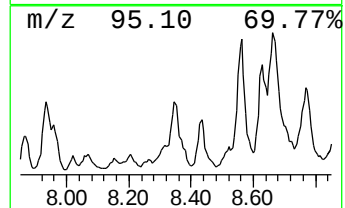
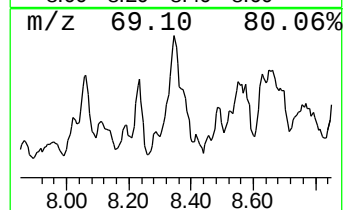
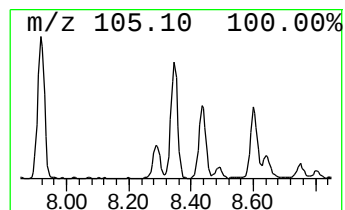
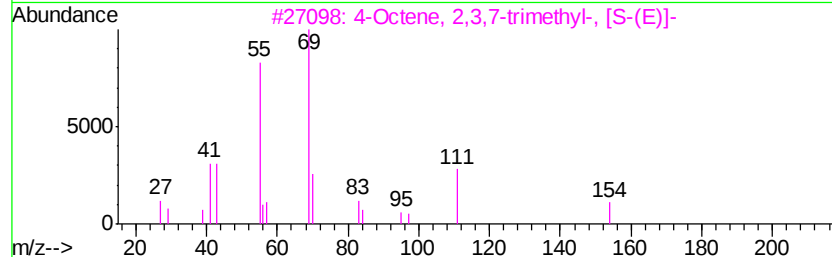
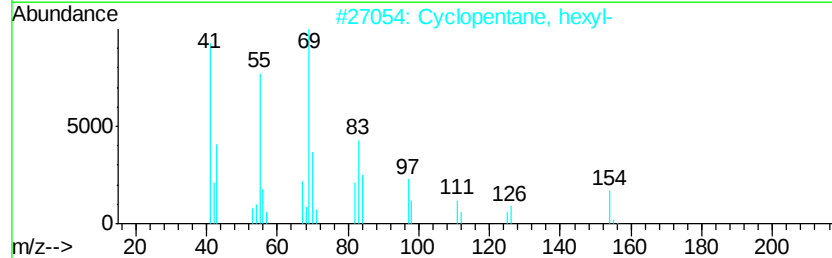
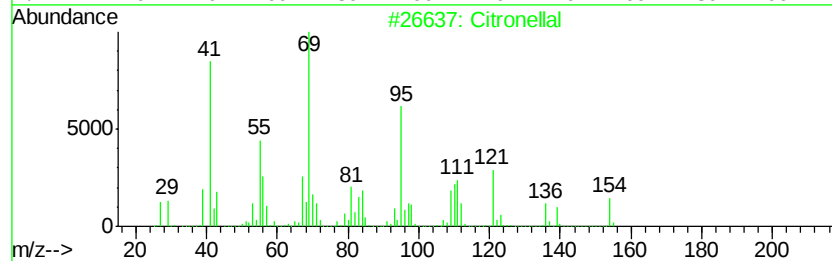
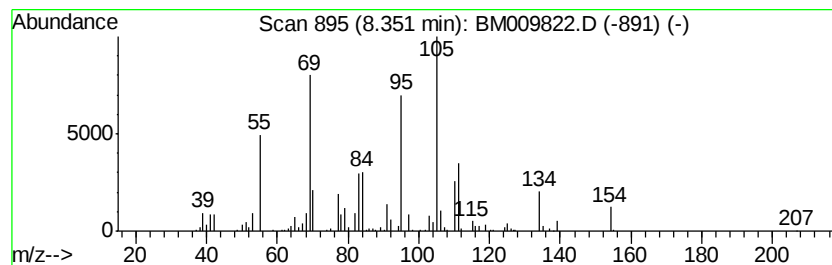
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Citronellal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	55.93 ng/ul	2789480	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Citronellal	154	C10H18O	000106-23-0	58
2		Cyclopentane, hexyl-	154	C11H22	004457-00-5	38
3		4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	38
4		2-Methyl-Z-7,8-epoxyhexadecane	254	C17H34O	1000130-86-3	37
5		2-Octen-4-one	126	C8H14O	004643-27-0	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Sample : I2849-12
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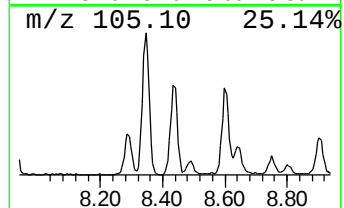
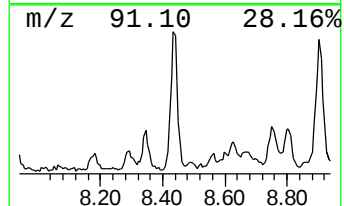
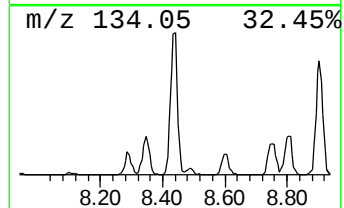
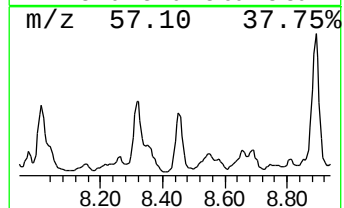
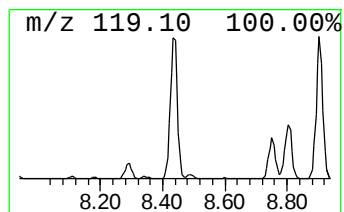
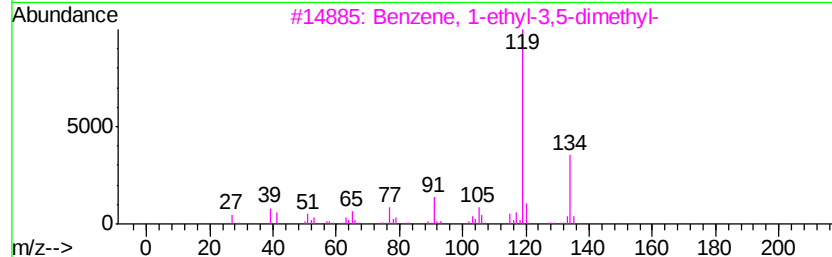
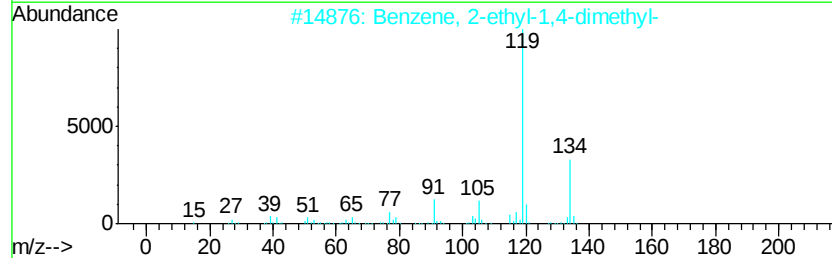
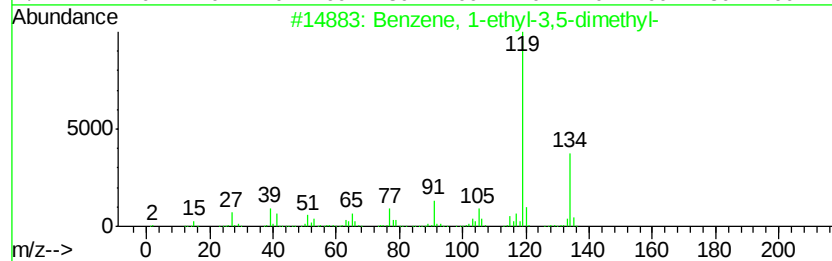
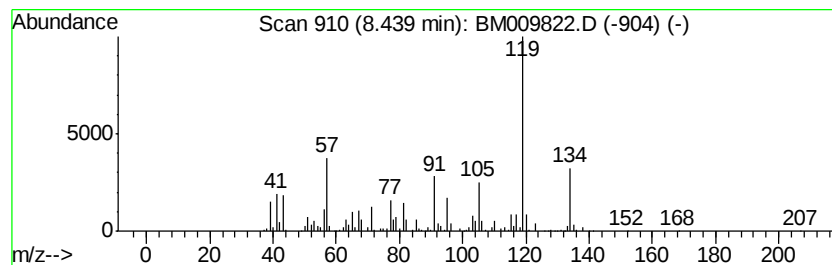
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	45.43 ng/ul	2265670	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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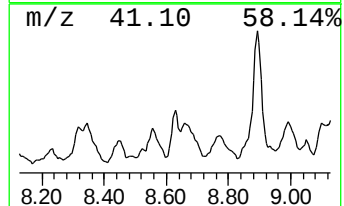
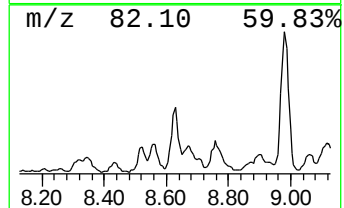
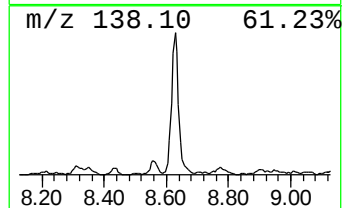
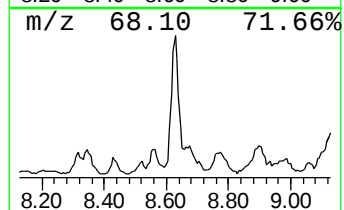
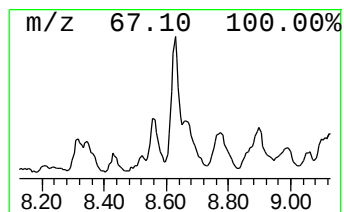
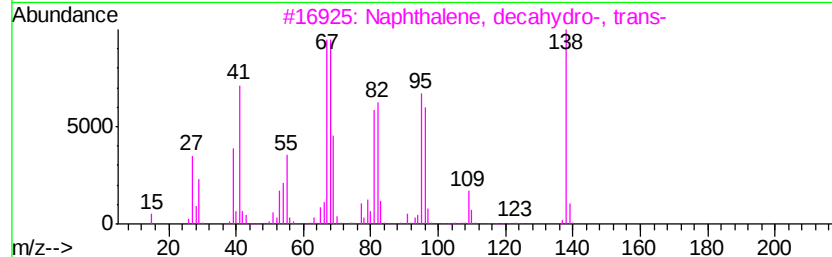
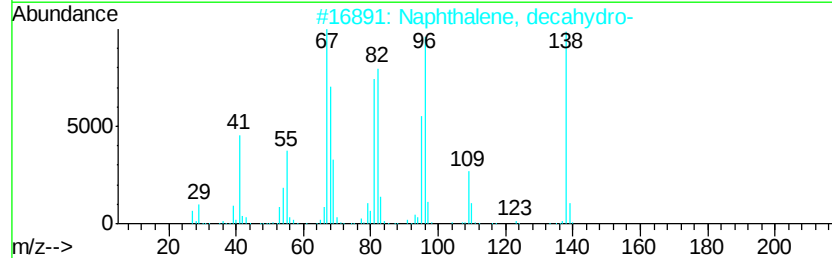
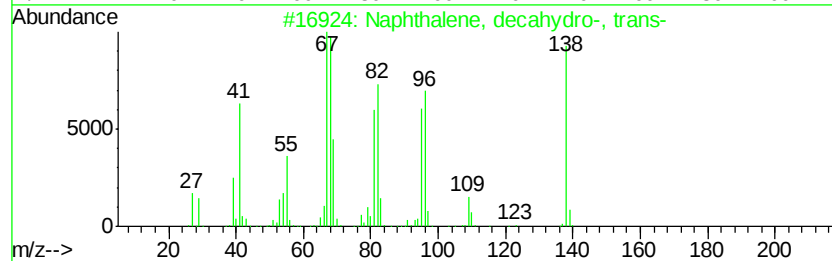
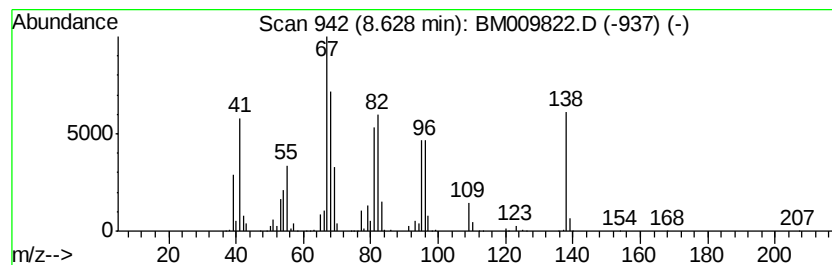
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Naphthalene, decahydro-, tr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	46.19 ng/ul	2303680	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
4		Naphthalene, decahydro-	138	C10H18	000091-17-8	93
5		Naphthalene, decahydro-	138	C10H18	000091-17-8	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampled :
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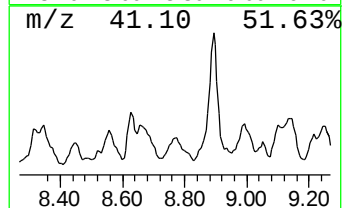
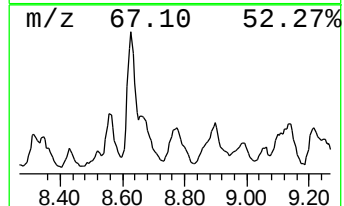
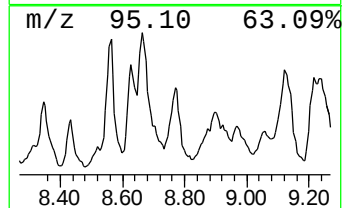
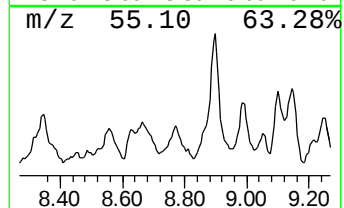
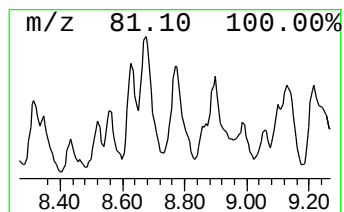
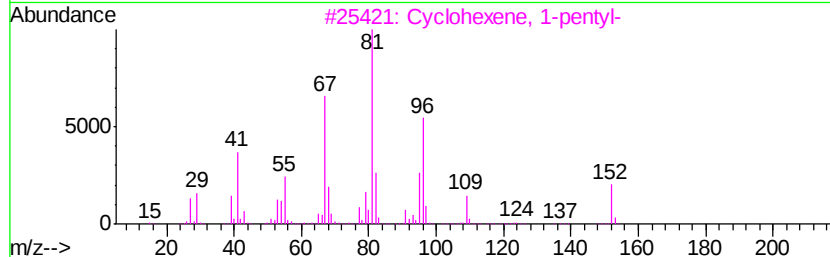
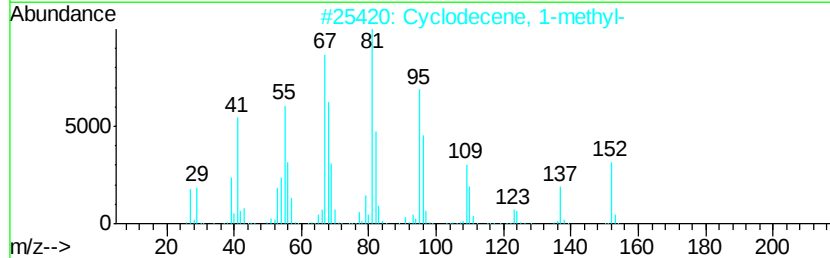
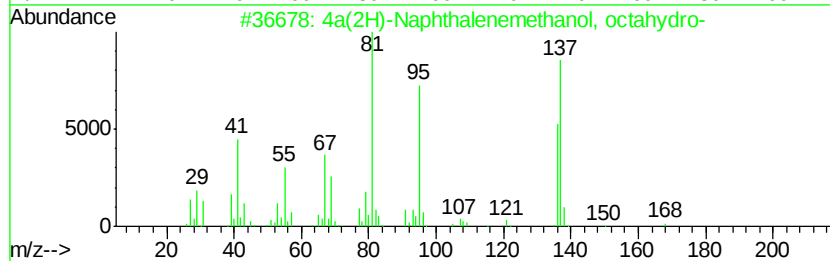
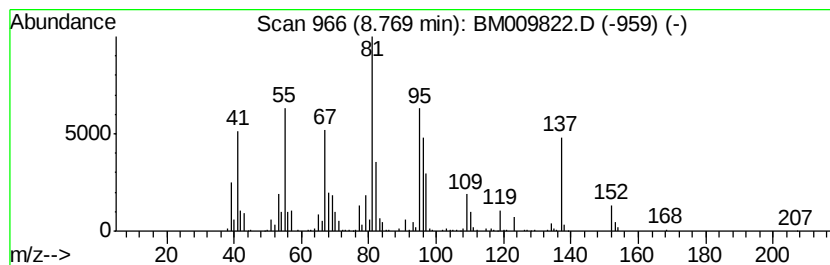
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 4a(2H)-Naphthalenemethanol,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	38.28 ng/ul	1909310	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	64
2			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	58
3			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	52
4			Cyclohexene, 1-hexyl-	166	C12H22	003964-66-7	50
5			Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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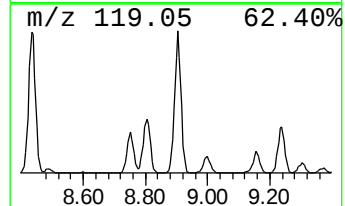
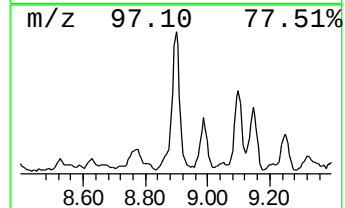
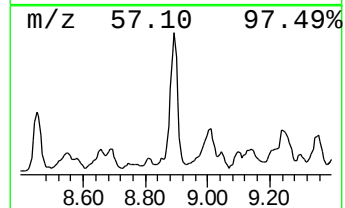
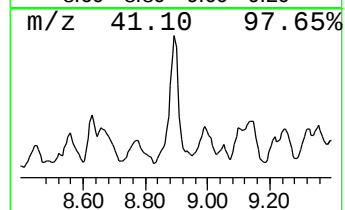
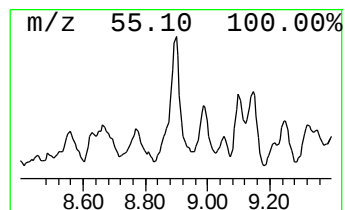
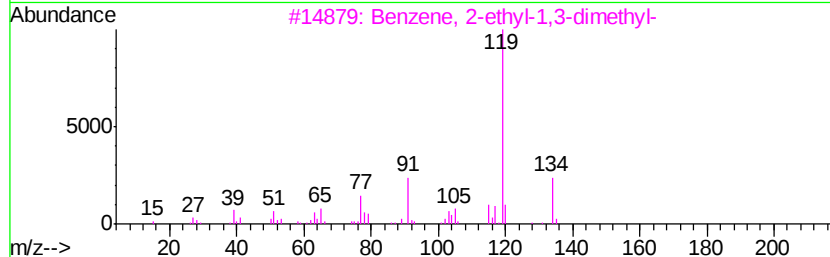
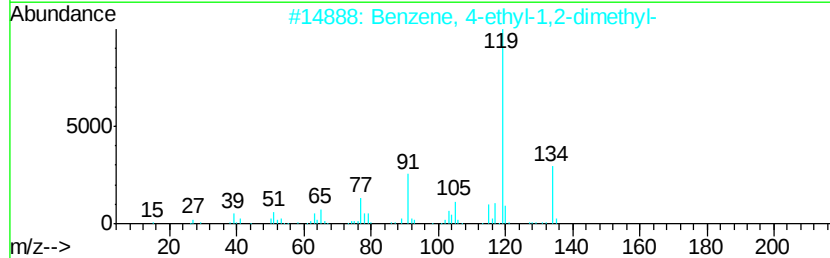
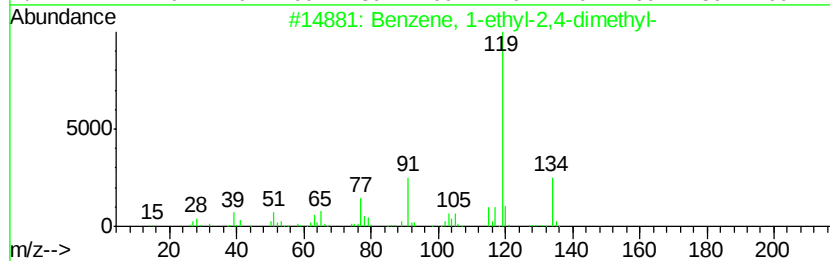
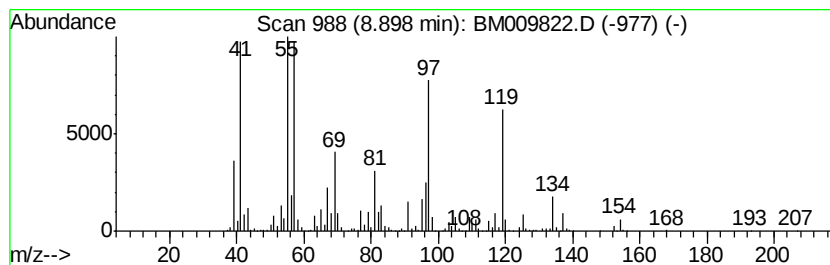
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	129.19 ng/ul	6443100	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	59
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	59
4		o-Cymene	134	C10H14	000527-84-4	56
5		p-Cymene	134	C10H14	000099-87-6	56



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleID :
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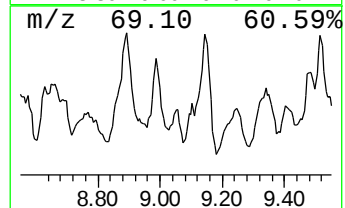
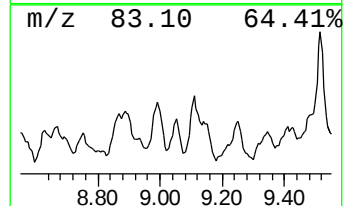
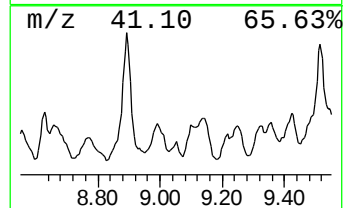
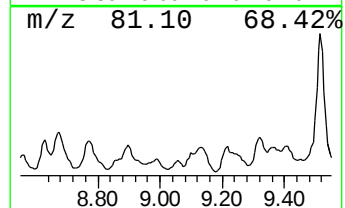
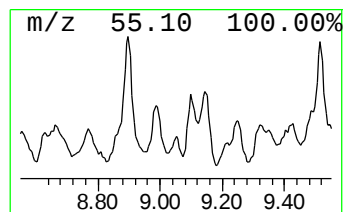
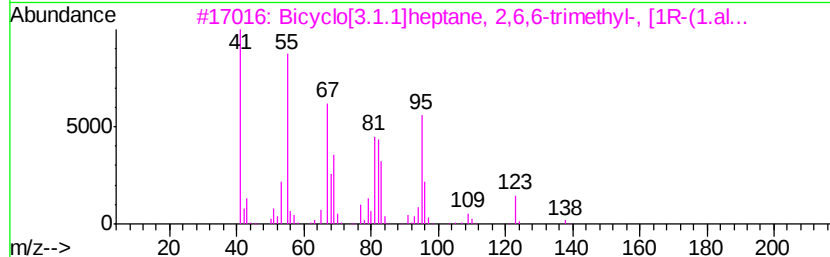
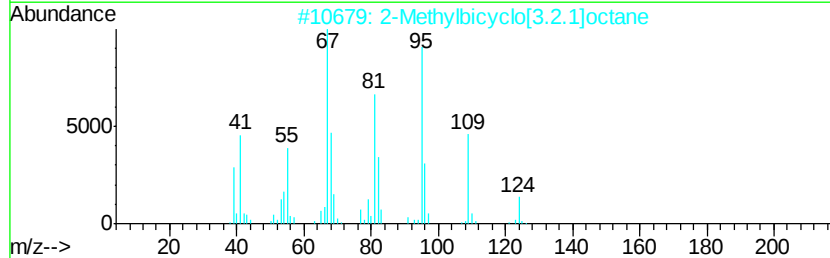
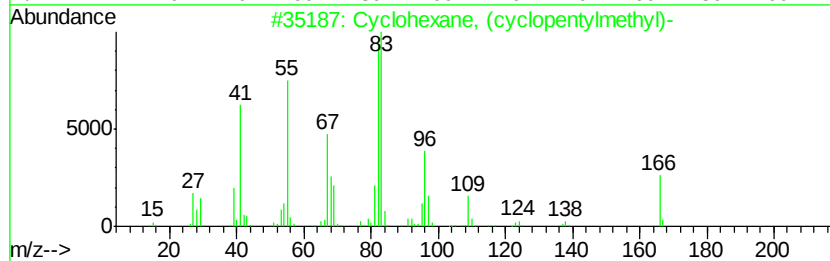
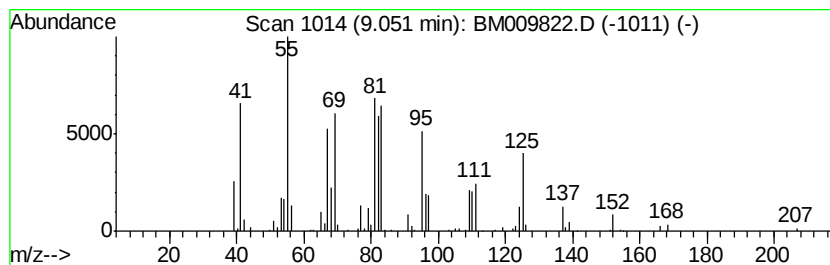
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 unknown-02 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	10.48 ng/ul	522814	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	41
2		2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	38
3		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	38
4		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	38
5		1,6-Octadiene, 2,5-dimethyl-, (E)-	138	C10H18	068702-25-0	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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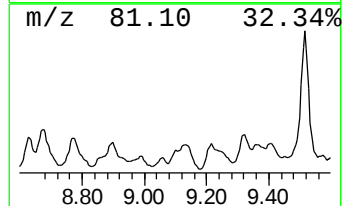
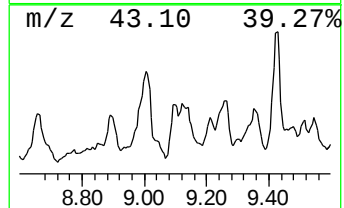
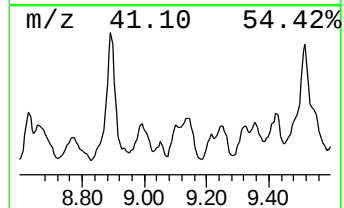
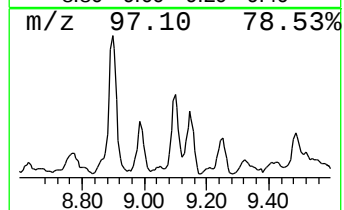
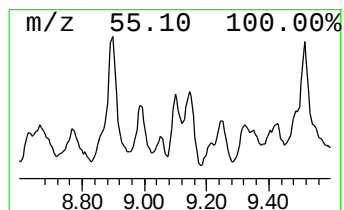
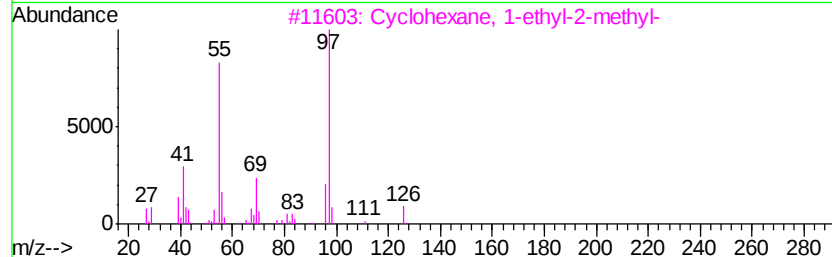
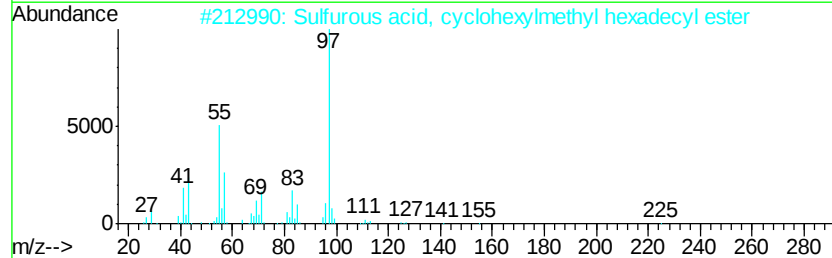
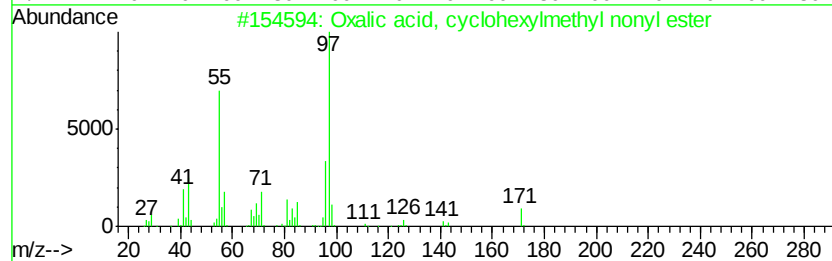
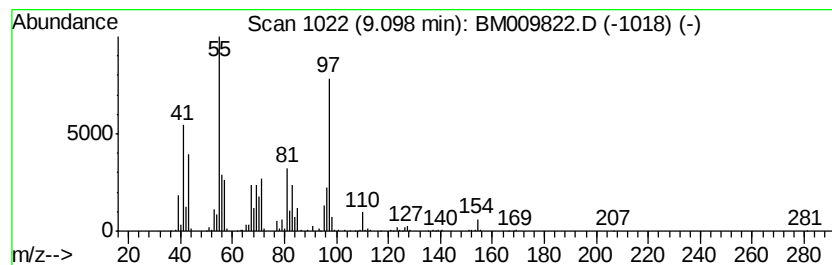
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Oxalic acid, cyclohexylmeth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	28.66 ng/ul	1429220	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, cvclohexvlmethvl no...	312	C18H32O4	1000309-68-6	59
2		Sulfurous acid, cvclohexvlmethvl...	402	C23H46O3S	1000309-22-4	59
3		Cvclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	50
4		Oxalic acid, cvclohexvlmethvl et...	214	C11H18O4	1000309-68-0	47
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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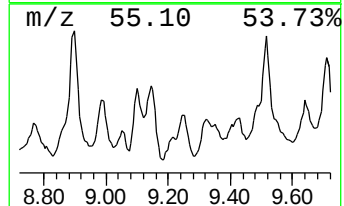
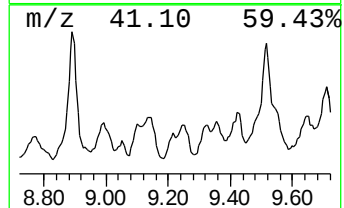
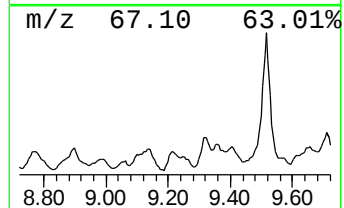
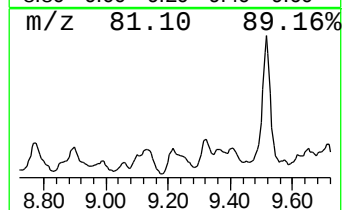
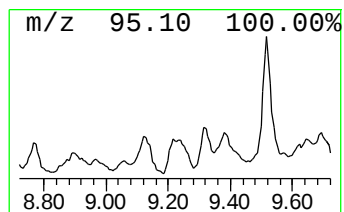
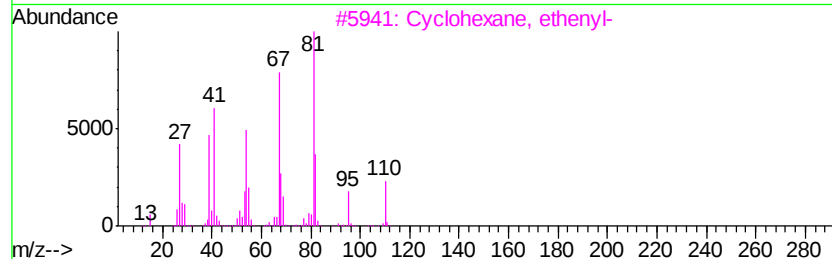
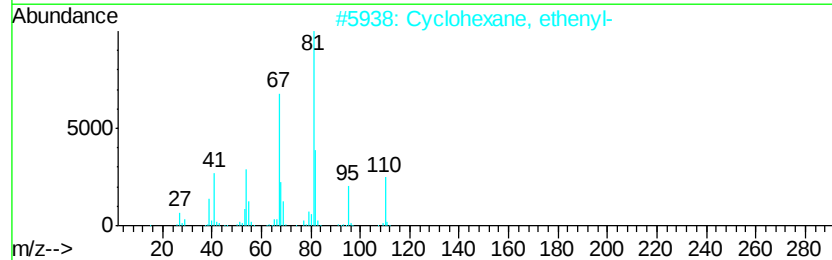
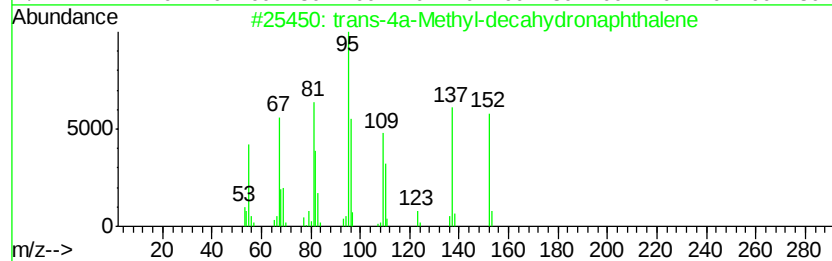
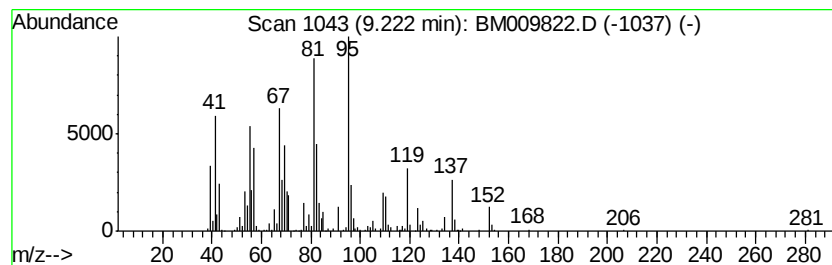
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 trans-4a-Methyl-decahydrona... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	4.38 ng/ul	1210130	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83
2		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	53
3		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	53
4		Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	46
5		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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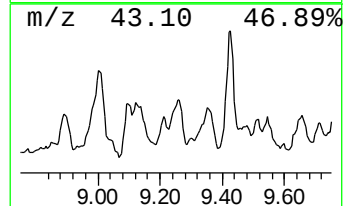
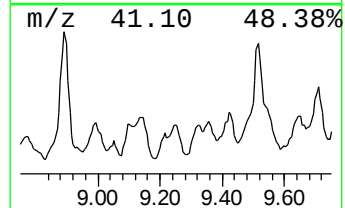
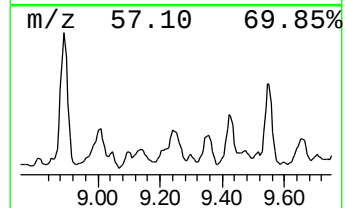
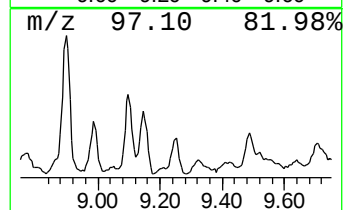
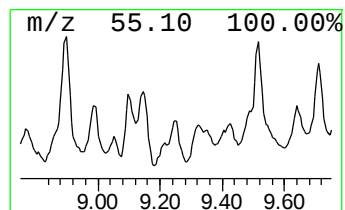
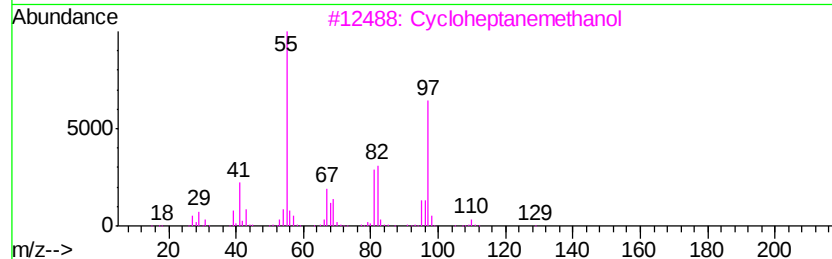
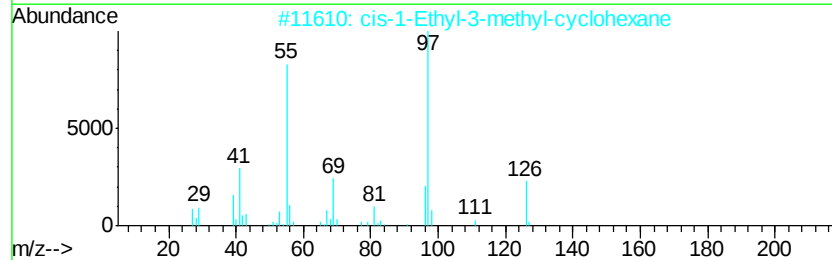
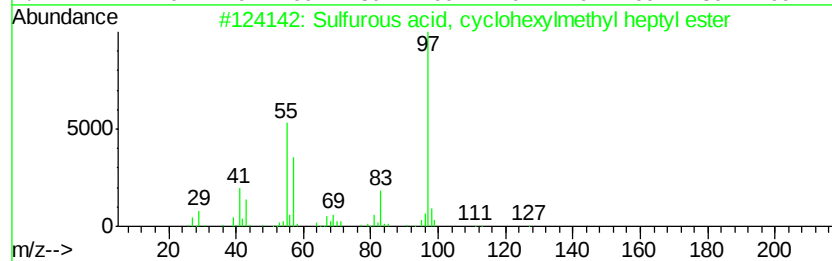
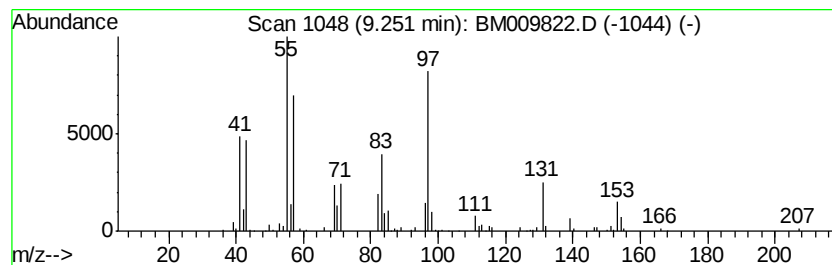
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Sulfurous acid, cyclohexylm... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	6.77 ng/ul	1870650	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	276	C14H28O3S	1000309-21-7	59
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	43
3		Cvcloheptanemethanol	128	C8H16O	004448-75-3	43
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	38
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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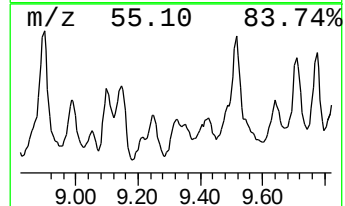
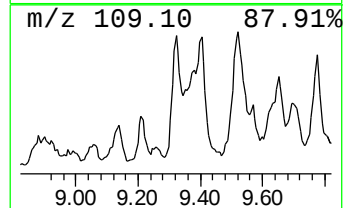
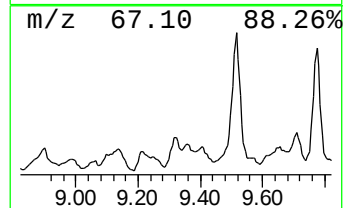
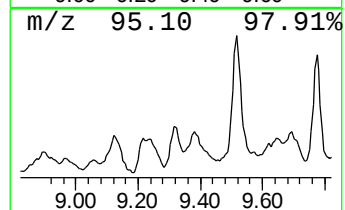
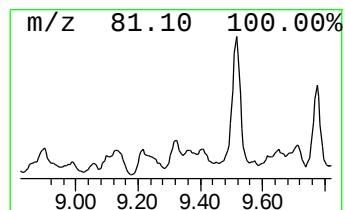
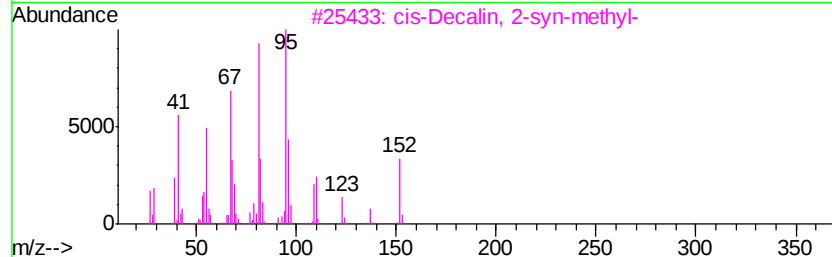
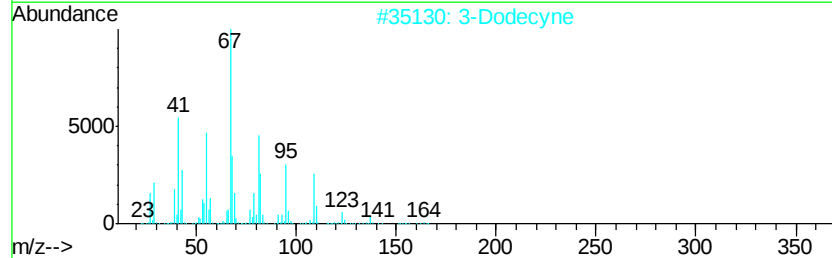
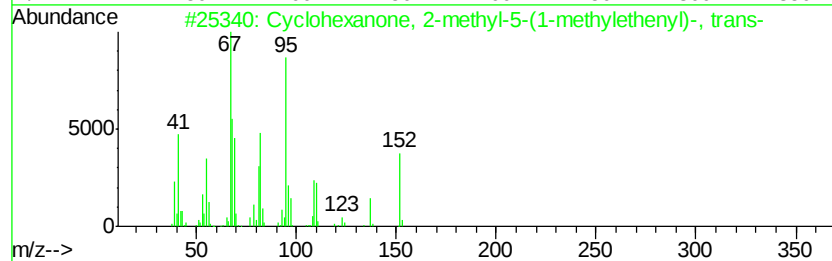
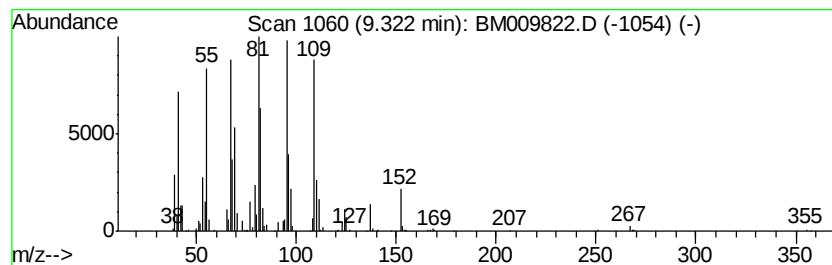
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Cyclohexanone, 2-methyl-5-(... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	7.77 ng/ul	2147460	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	93
2		3-Dodecyne	166	C12H22	006790-27-8	83
3		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
4		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68
5		Cyclooctane, ethenyl-	138	C10H18	061142-41-4	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Sample : I2849-12
Misc :
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Instrument :
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ClientSampleID :
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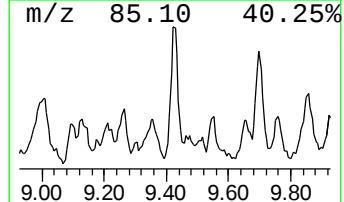
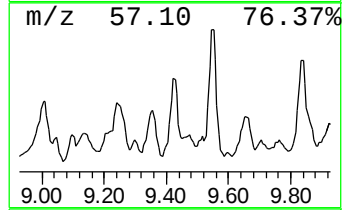
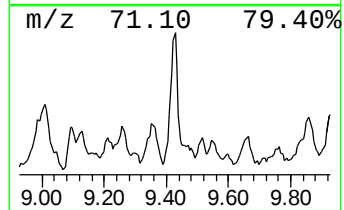
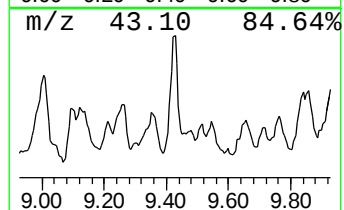
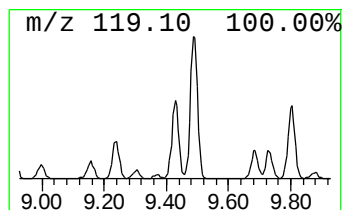
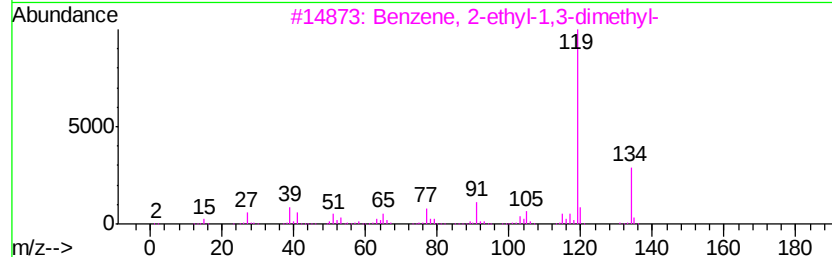
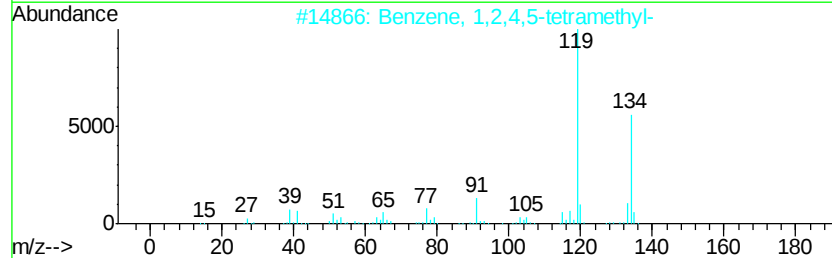
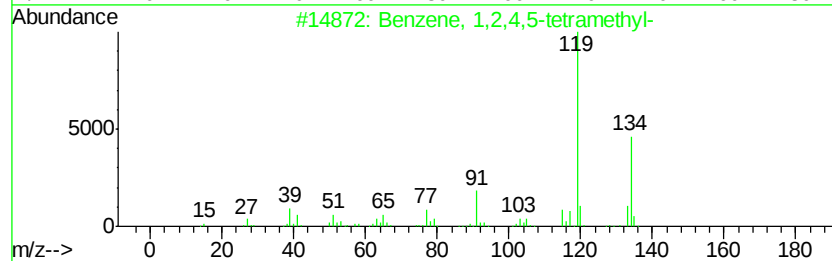
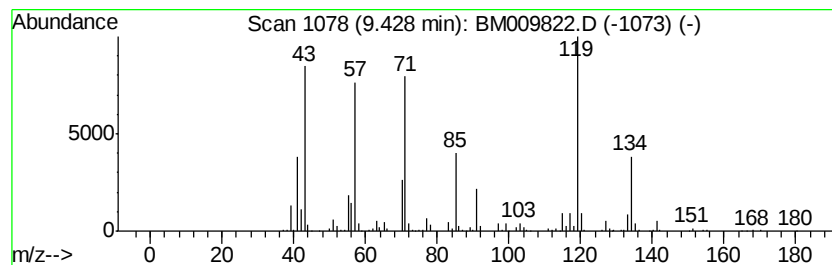
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	6.17 ng/ul	1705430	Naphthalene-d8	10.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	46
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	46
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
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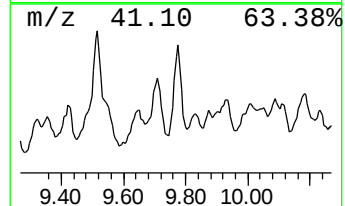
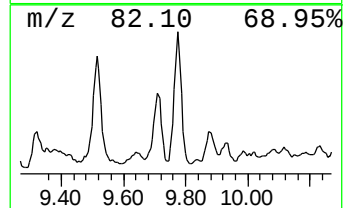
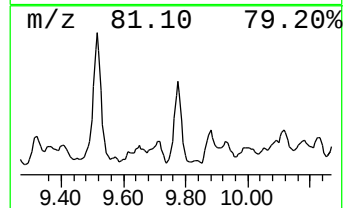
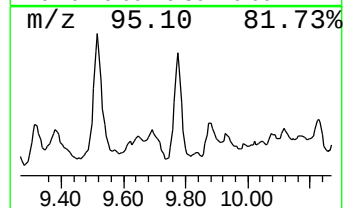
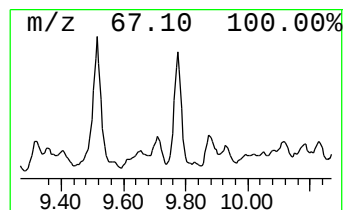
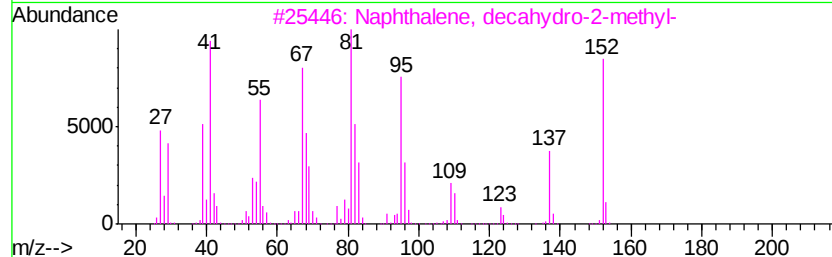
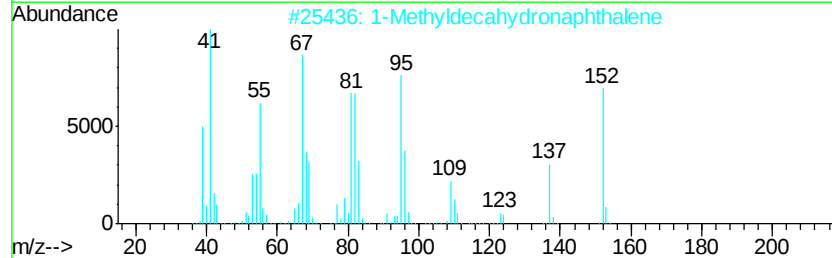
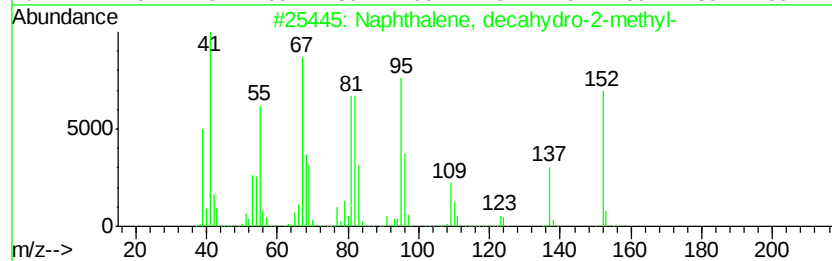
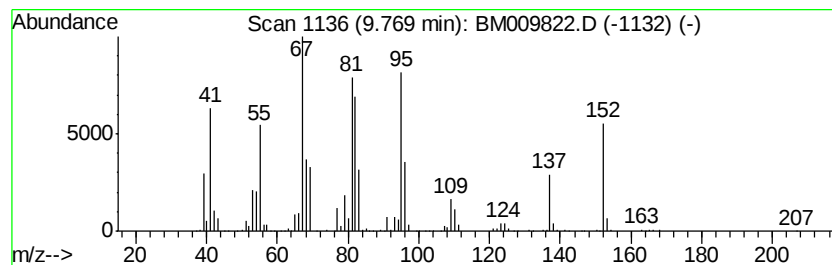
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Naphthalene, decahydro-2-me... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	20.22 ng/ul	5588720	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	87
4		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
5		6-Dodecyne	166	C12H22	006975-99-1	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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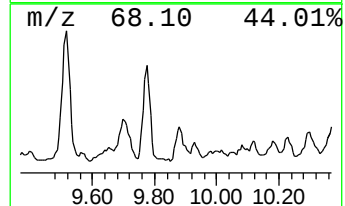
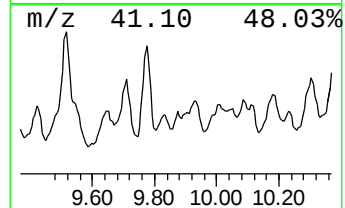
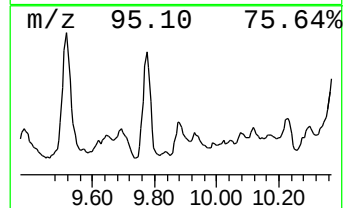
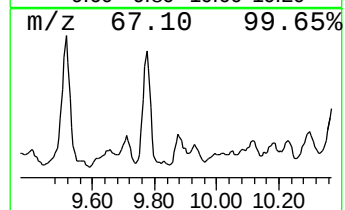
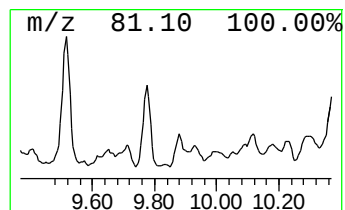
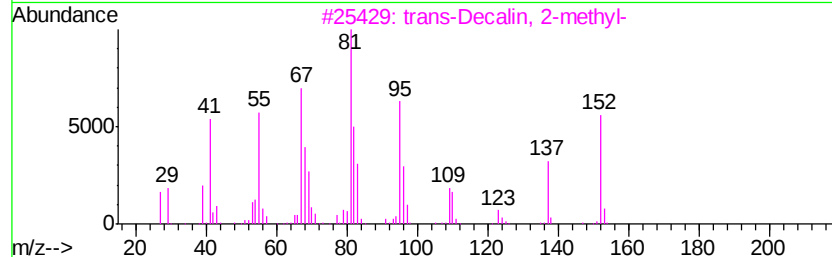
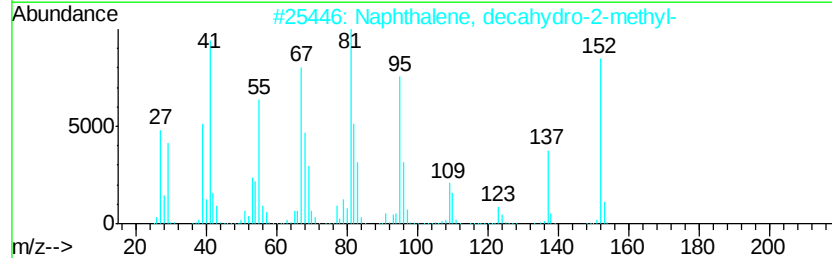
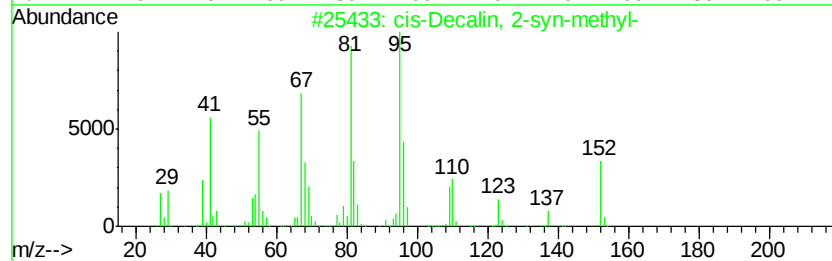
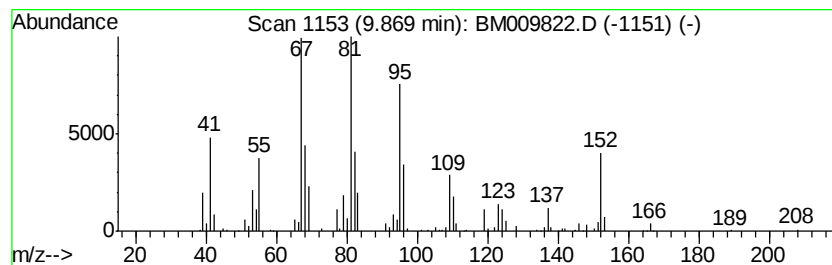
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 cis-Decalin, 2-syn-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	2.64 ng/ul	730578	Naphthalene-d8	10.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	93
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
4			Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	76
5			2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	74



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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Sample : I2849-12
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ALS Vial : 19 Sample Multiplier: 1

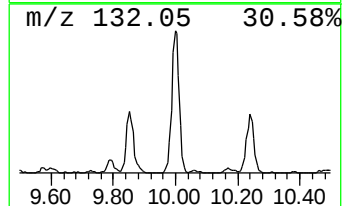
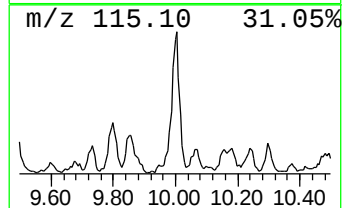
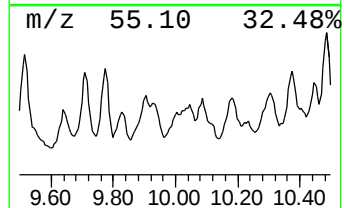
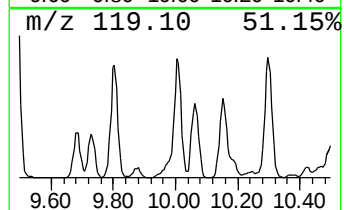
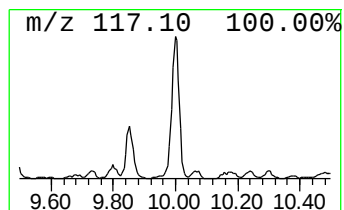
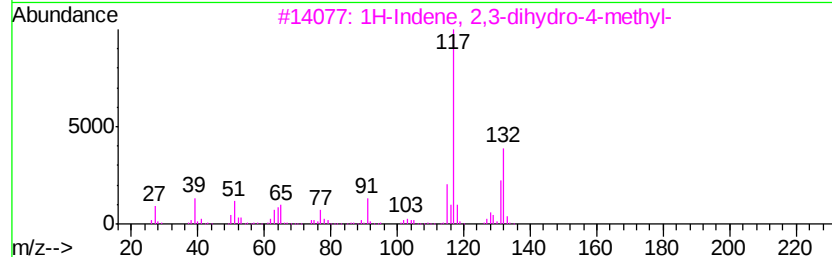
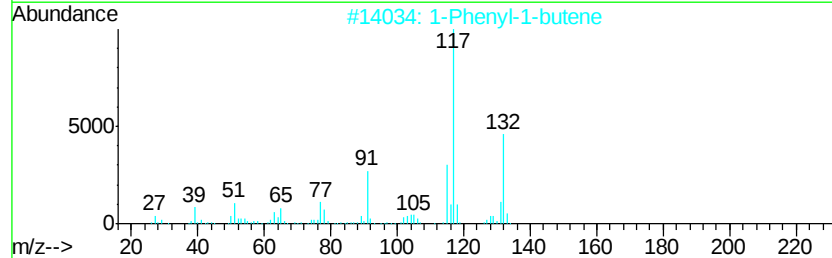
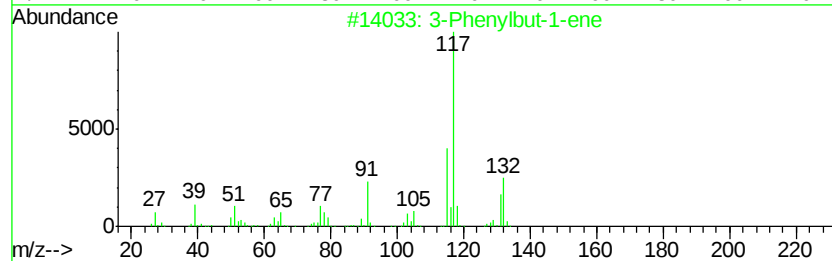
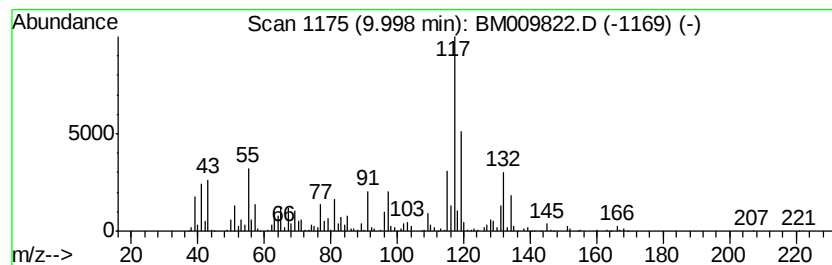
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 3-Phenylbut-1-ene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	11.56 ng/ul	3196560	Napthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3-Phenylbut-1-ene	132 C10H12	000934-10-1 90
2		1-Phenyl-1-butene	132 C10H12	000824-90-8 87
3		1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6 86
4		Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9 80
5		Benzene, 2-ethenyl-1,3-dimethyl-	132 C10H12	002039-90-9 64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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Acq On : 30 Apr 2017 21:19
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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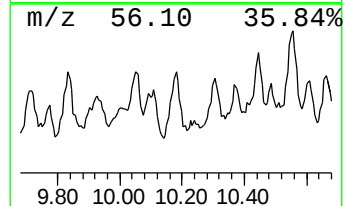
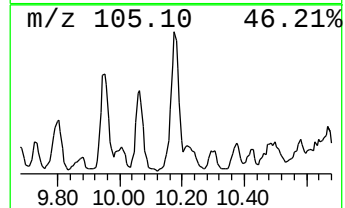
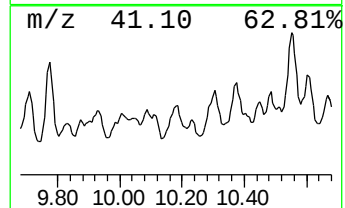
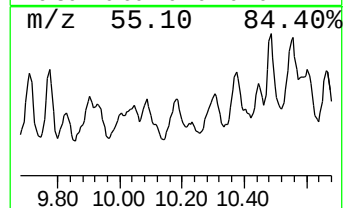
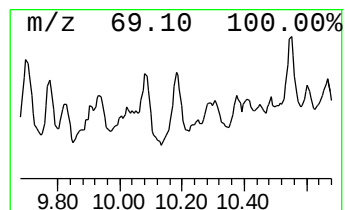
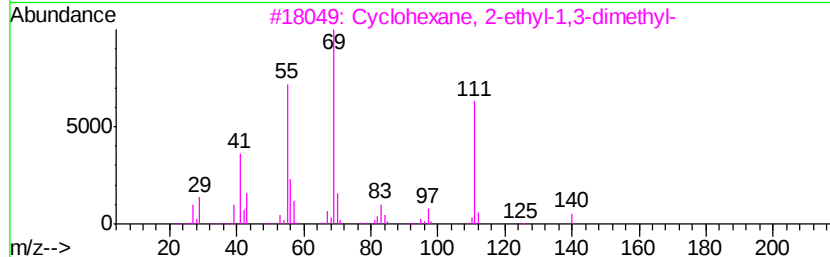
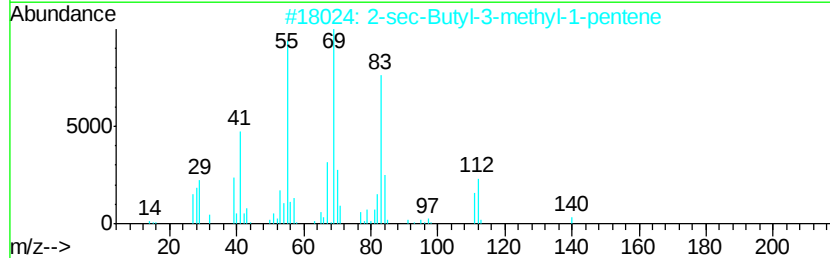
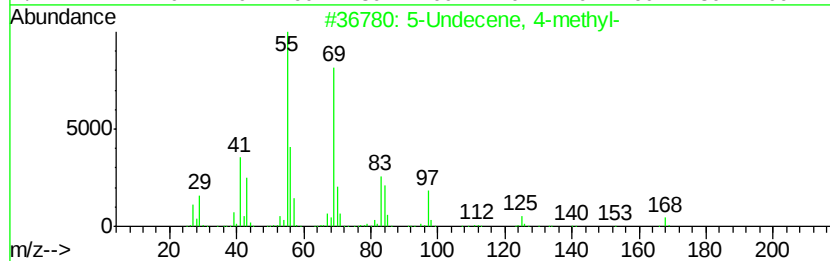
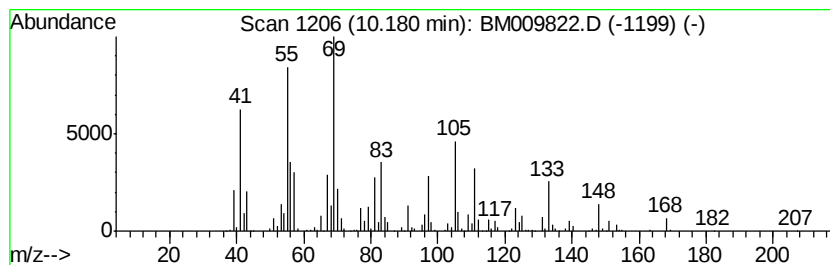
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Cyclic10.18 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	9.30 ng/ul	2570280	Napthalene-d8	10.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Undecene, 4-methyl-	168	C12H24	143185-91-5	60
2			2-sec-Butyl-3-methyl-1-pentene	140	C10H20	075144-24-0	46
3			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	43
4			5-Undecene, 7-methyl-, (E)-	168	C12H24	074630-66-3	43
5			3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

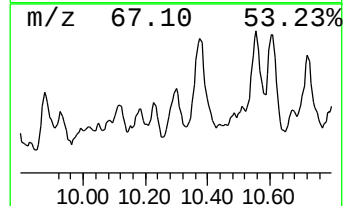
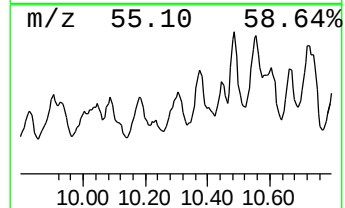
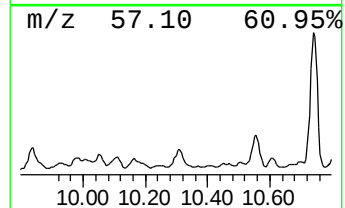
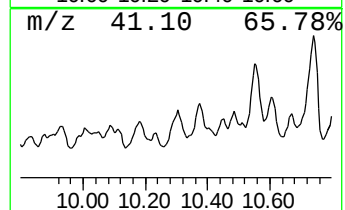
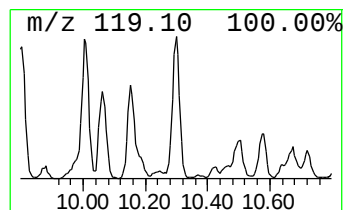
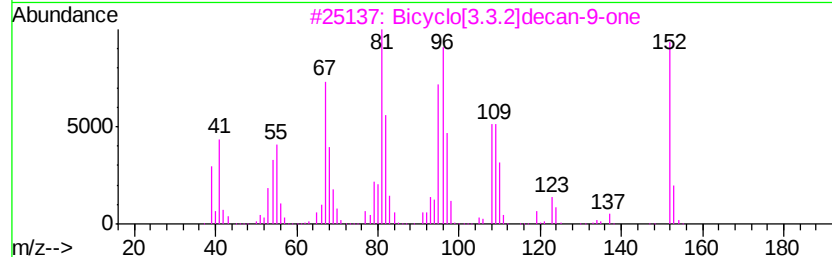
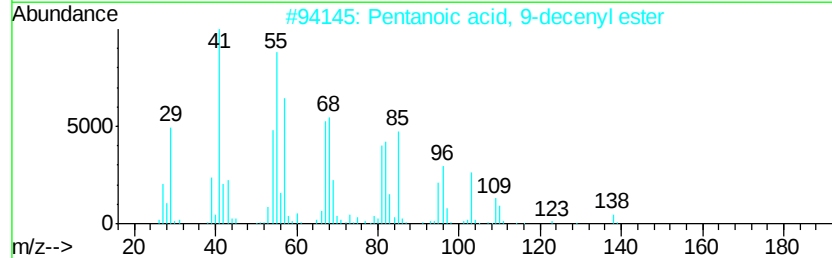
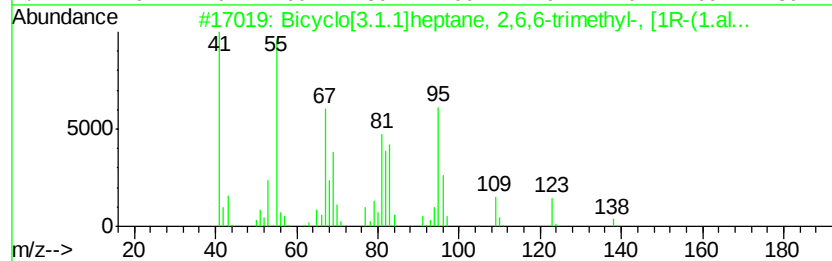
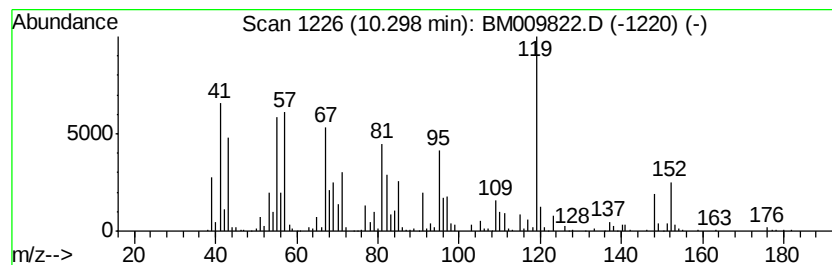
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 unknown-03 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	12.24 ng/ul	3382820	Napthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138 C10H18	004863-59-6 35
2		Pentanoic acid, 9-decenyl ester	240 C15H28O2	1000159-93-3 22
3		Bicyclo[3.3.2]decan-9-one	152 C10H16O	028054-91-3 20
4		Decalin, syn-1-methyl-, cis-	152 C11H20	1000158-89-1 20
5		Decalin, anti-1-methyl-, cis-	152 C11H20	1000158-89-0 20



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleID :
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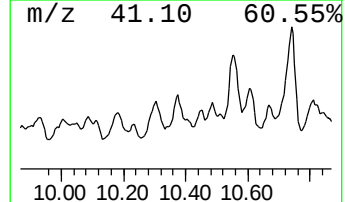
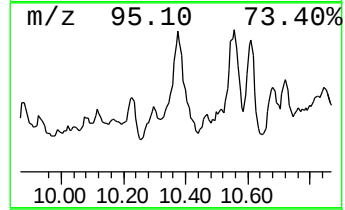
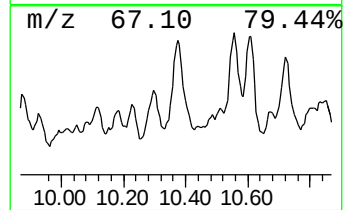
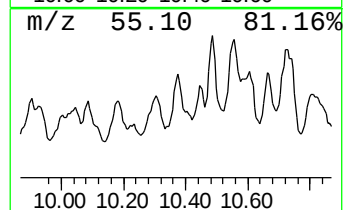
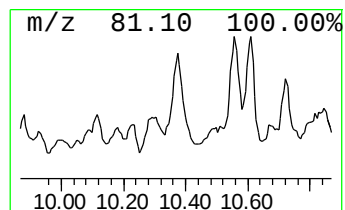
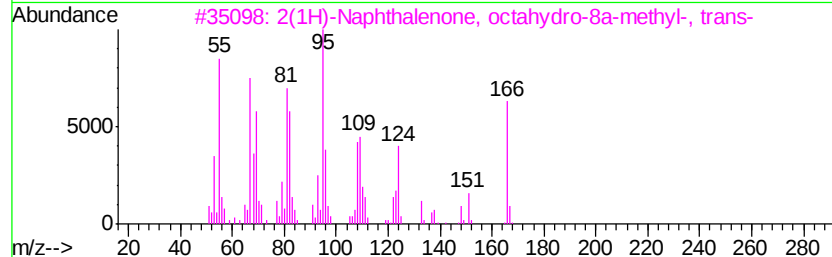
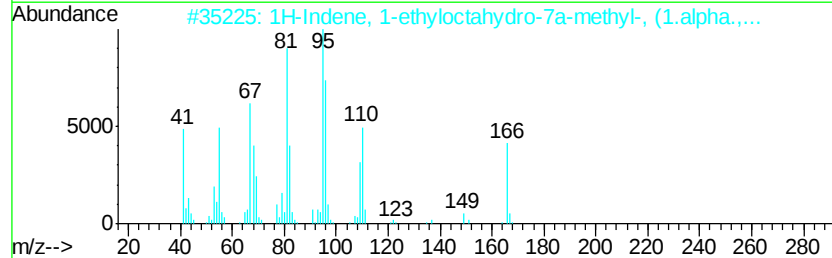
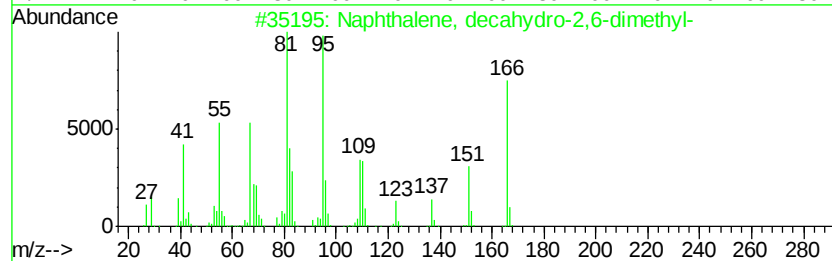
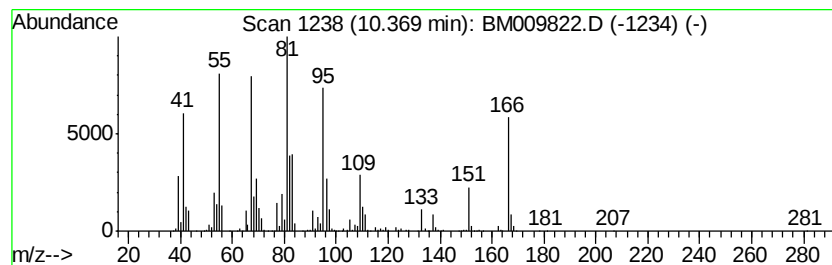
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Naphthalene, decahydro-2,6-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	14.73 ng/ul	4070910	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		1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	83
3		2(1H)-Naphthalenone, octahydro-8...	166	C11H18O	001197-95-1	76
4		cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	74
5		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	70



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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Sample : I2849-12
Misc :
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ClientSampleId :
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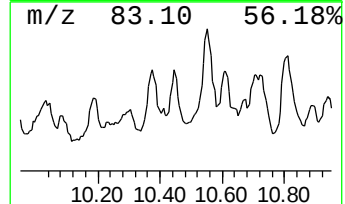
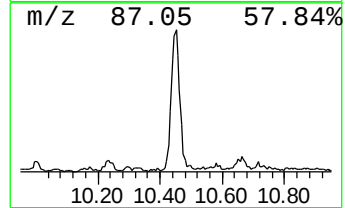
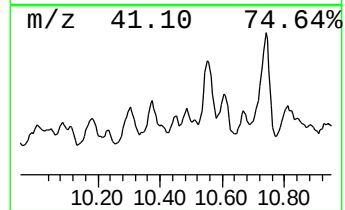
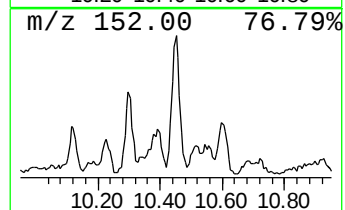
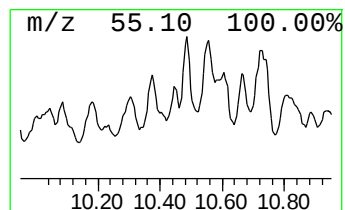
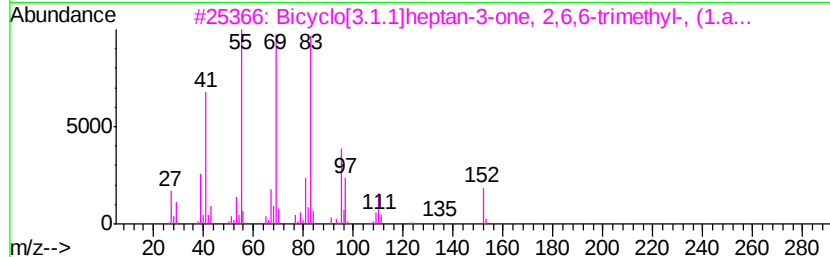
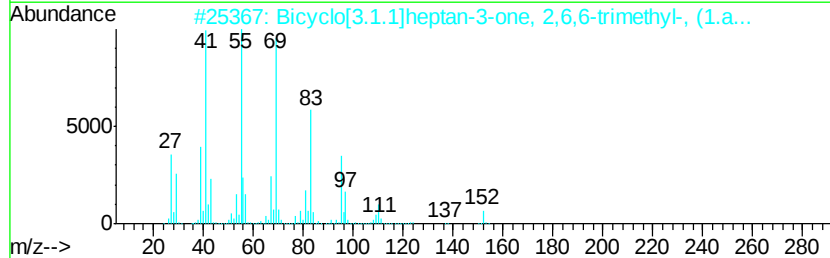
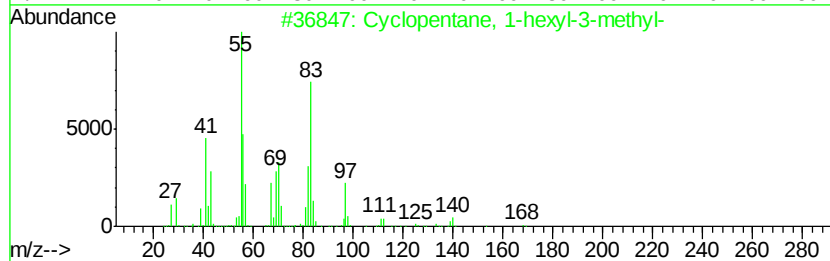
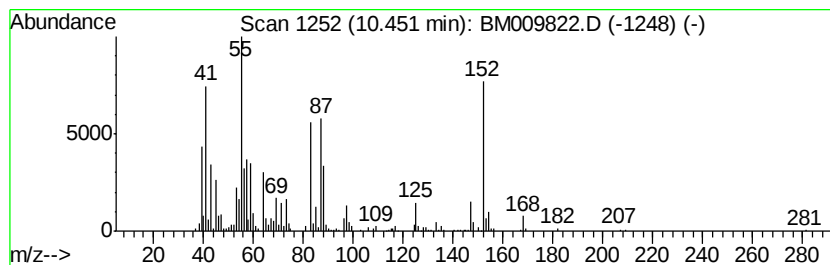
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 (DEL) Alkane: Cyclic10.45 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	4.46 ng/ul	1233100	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	22
2		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	22
3		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	22
4		Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	18
5		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	14



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
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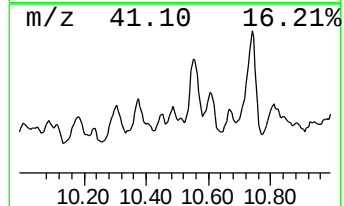
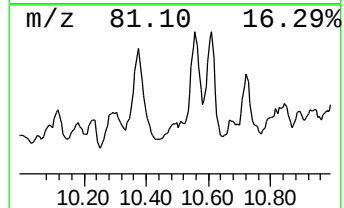
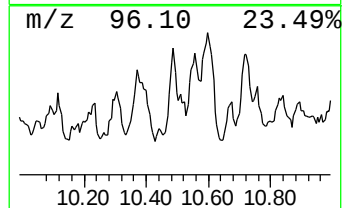
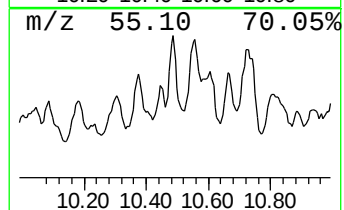
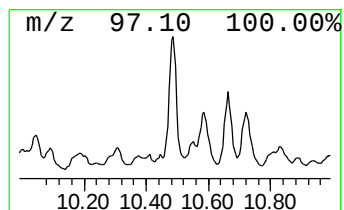
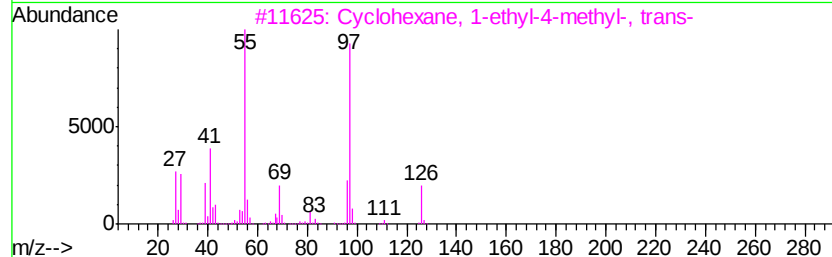
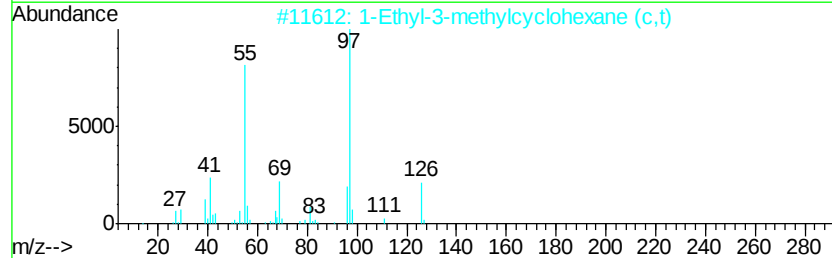
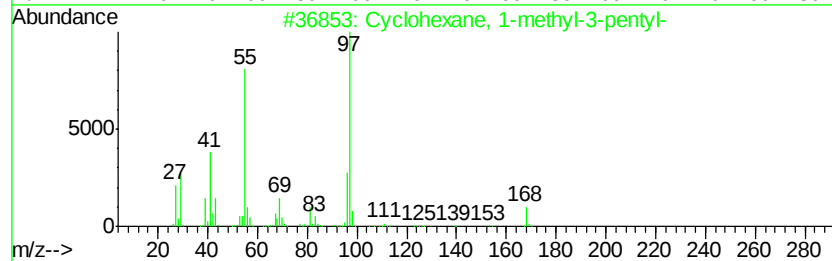
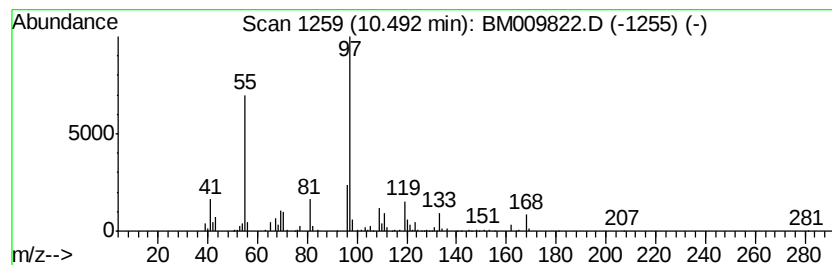
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 (DEL) Alkane: Cyclic10.49 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	7.47 ng/ul	2065230	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	72
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59
4		7-Tridecanol	200	C13H28O	000927-45-7	50
5		Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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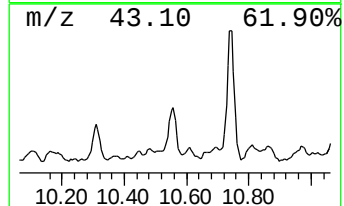
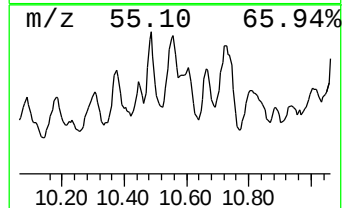
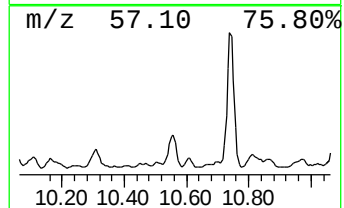
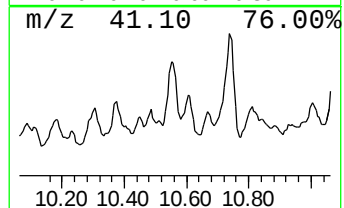
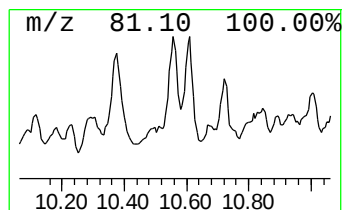
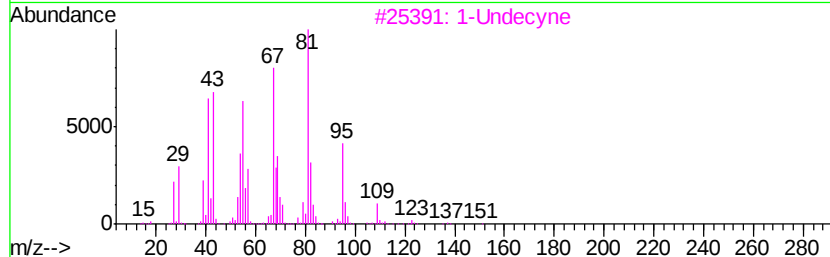
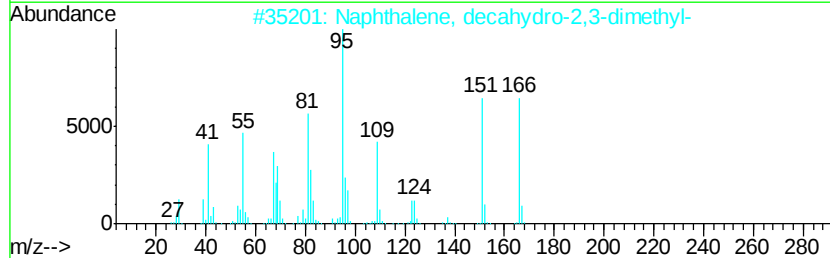
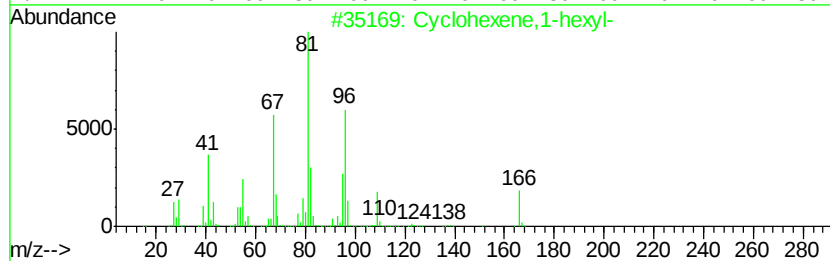
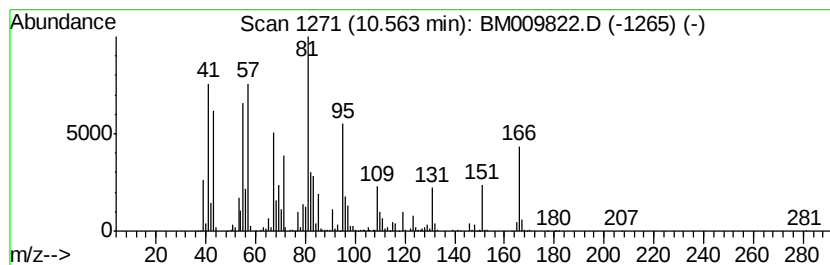
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	24.66 ng/ul	6815410	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	49
2		Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	45
3		1-Undecyne	152	C11H20	002243-98-3	43
4		Dodeca-1,6-dien-12-ol, 6,10-dime...	210	C14H26O	1000156-13-8	43
5		5,7-Dodecadiene, (E,Z)-	166	C12H22	021293-04-9	42



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
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Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleID :
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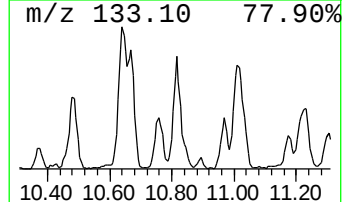
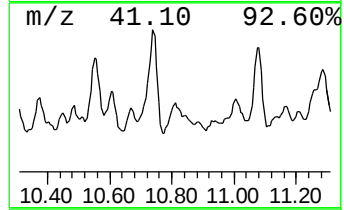
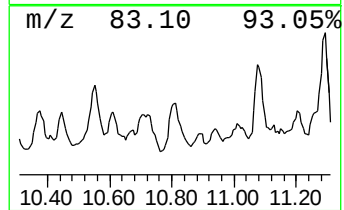
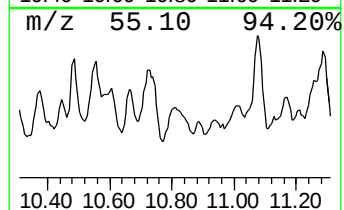
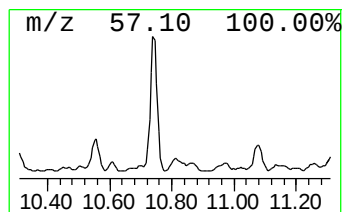
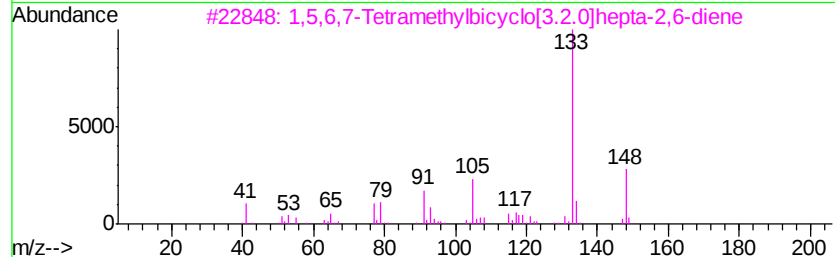
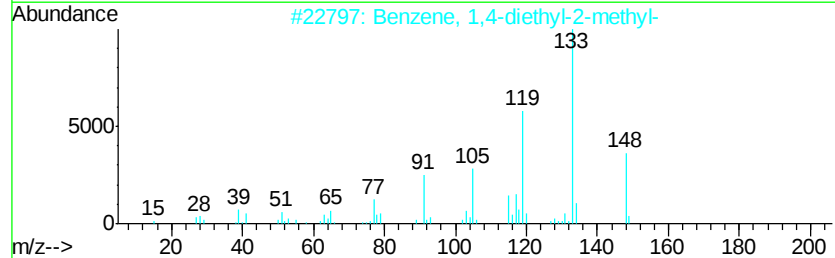
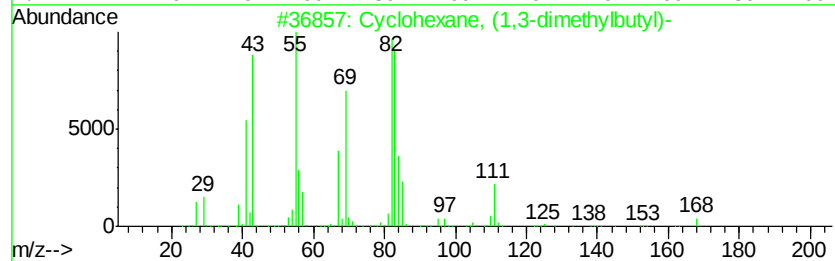
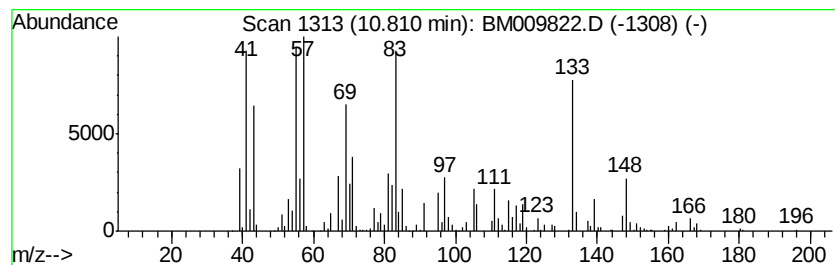
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 (DEL) Alkane: Cyclic10.81 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	10.67 ng/ul	2949810	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1,3-dimethylbutyl)-	168	C12H24	061142-19-6	38
2		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	38
3		1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene	148	C11H16	134329-46-7	38
4		2-tert-Butyltoluene	148	C11H16	001074-92-6	38
5		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
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ALS Vial : 19 Sample Multiplier: 1

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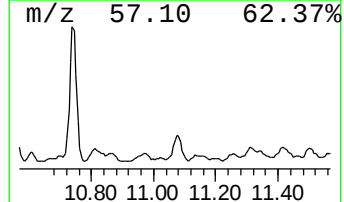
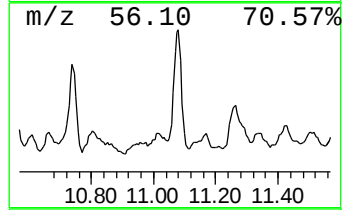
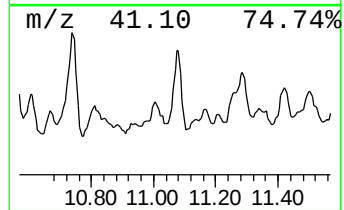
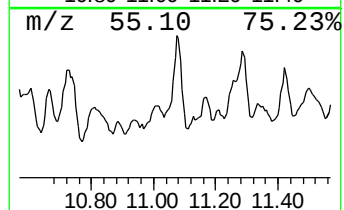
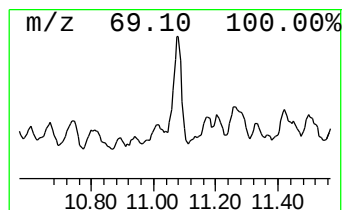
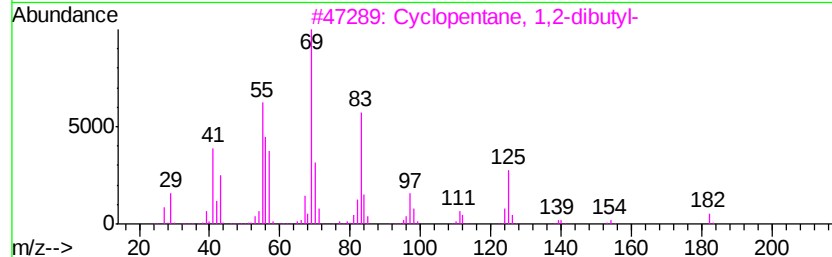
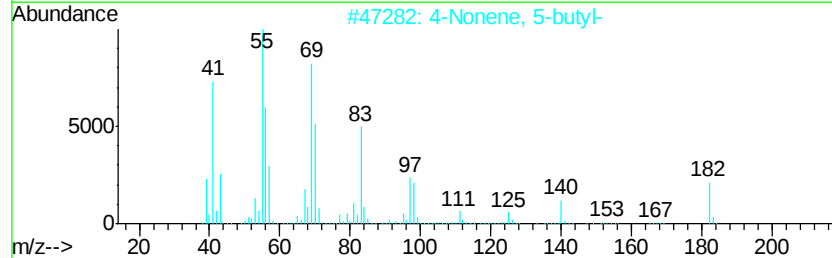
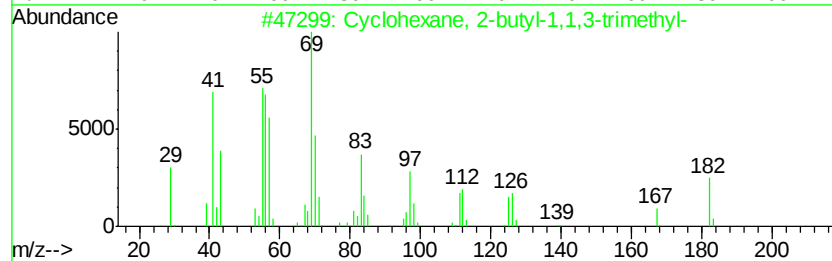
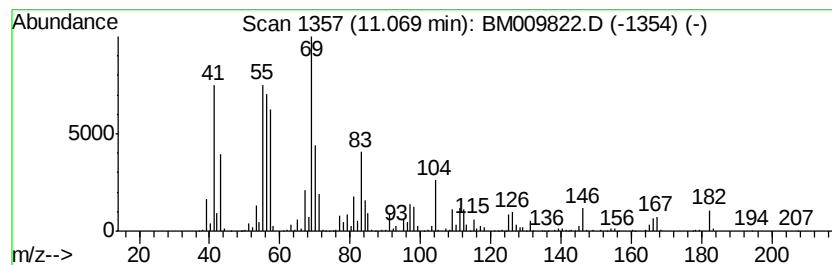
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Cyclic11.07 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	20.19 ng/ul	5579720	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	87
2		4-Nonene, 5-butyl-	182	C13H26	007367-38-6	80
3		Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	62
4		Cyclopentane, butyl-	126	C9H18	002040-95-1	62
5		Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	55



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSW5

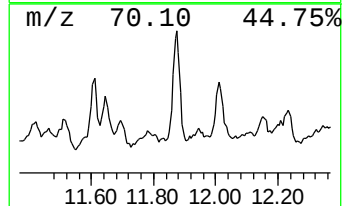
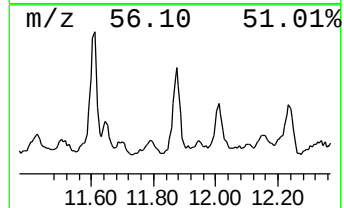
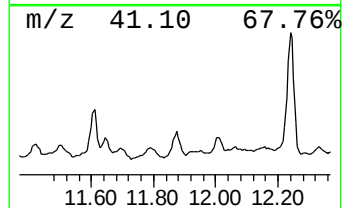
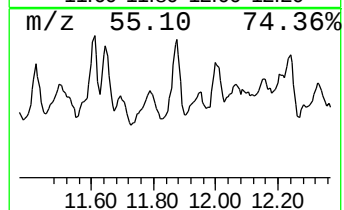
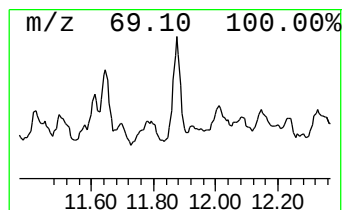
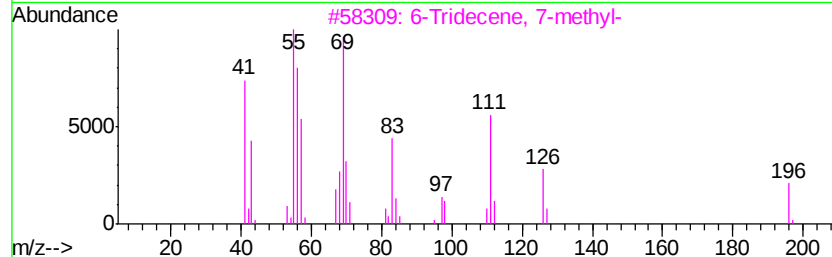
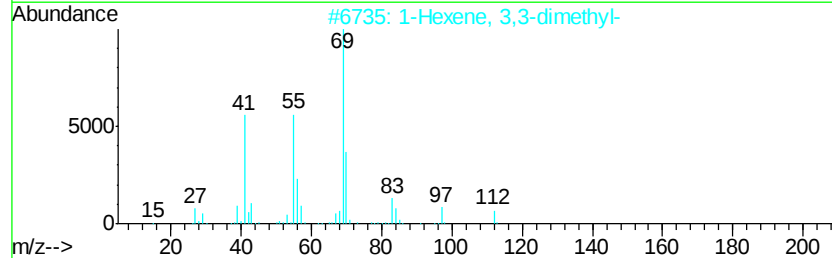
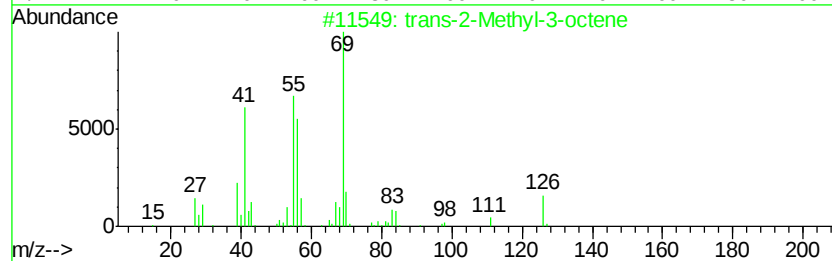
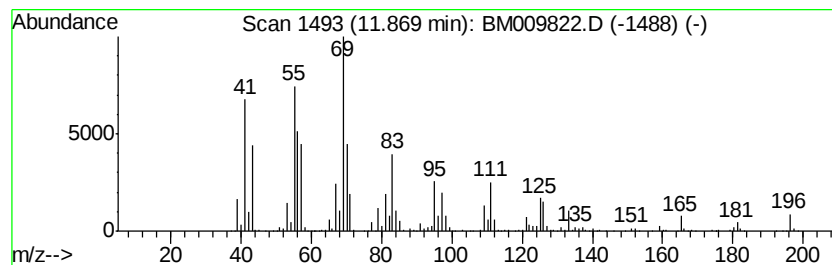
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Quant Title : SVOA CALIBRATION

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

Peak Number 41 (DEL) Alkane: Cyclic11.87 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	18.37 ng/ul	5077320	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	52
2		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	52
3		6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	41
4		3-Nonene	126	C9H18	020063-77-8	41
5		Cyclopropane, octyl-	154	C11H22	001472-09-9	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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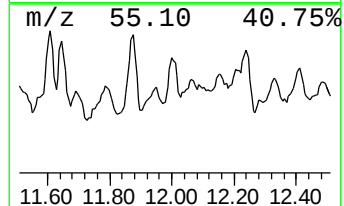
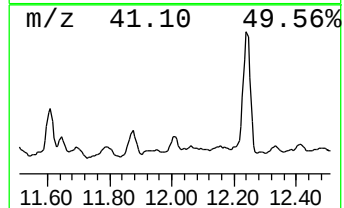
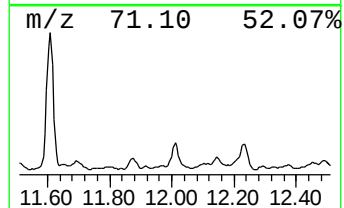
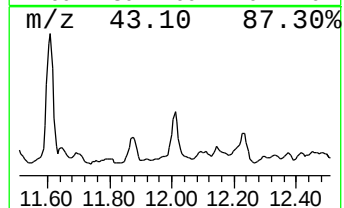
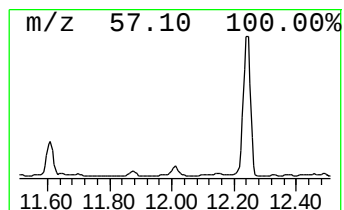
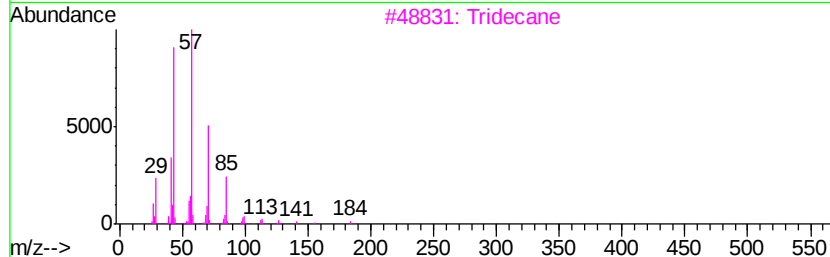
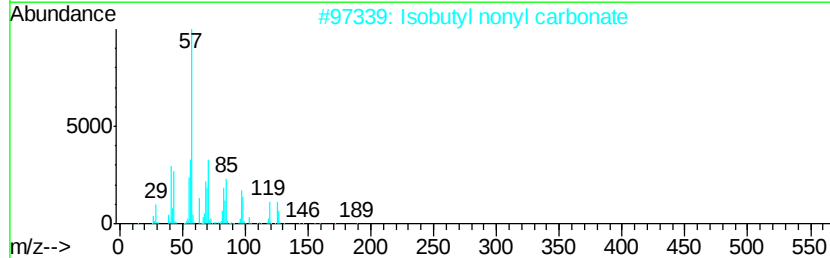
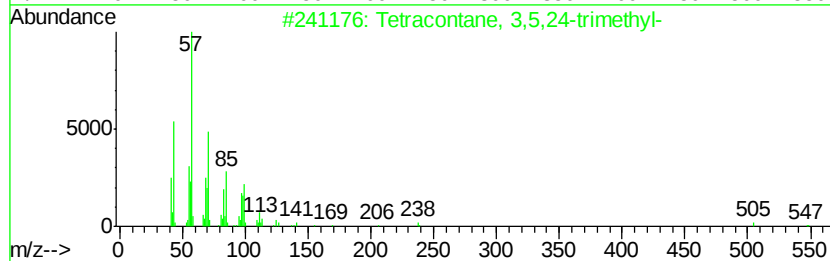
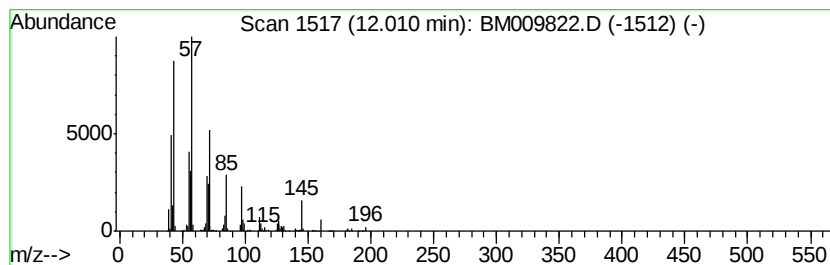
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	8.92 ng/ul	2466390	Napthalene-d8	10.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	80
2			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	64
3			Tridecane	184	C13H28	000629-50-5	53
4			Tridecane, 3-methyl-	198	C14H30	006418-41-3	50
5			Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSW5

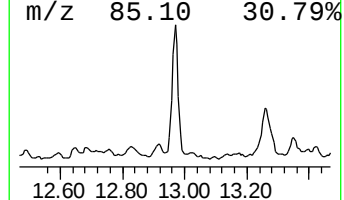
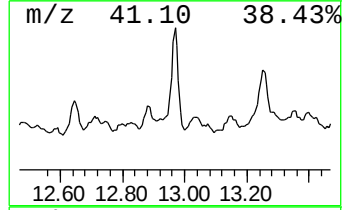
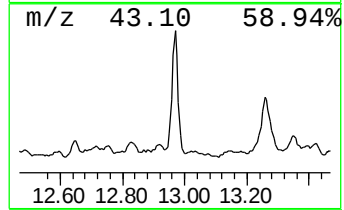
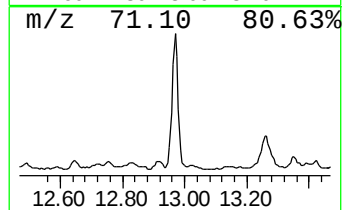
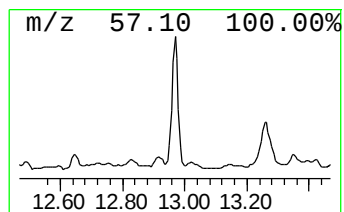
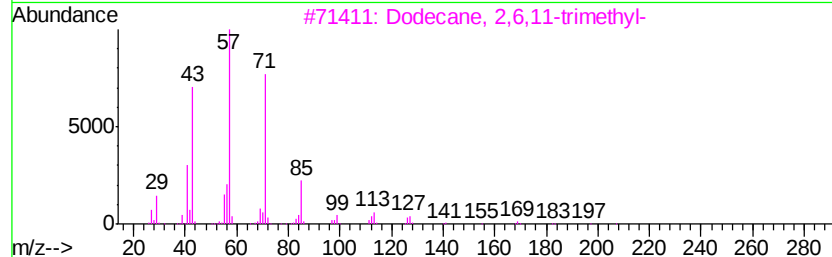
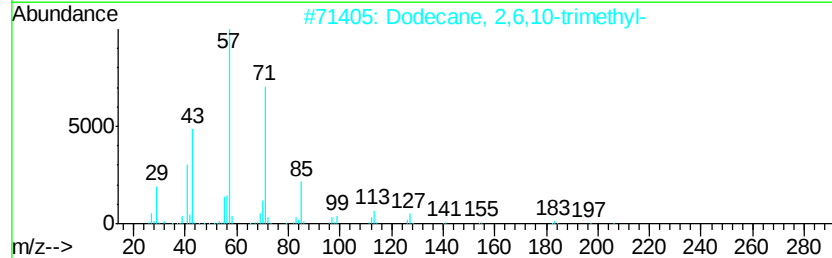
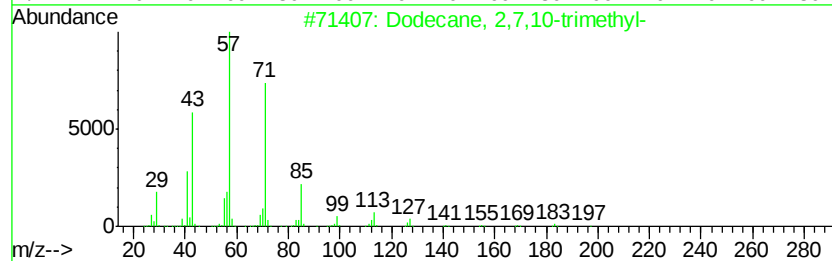
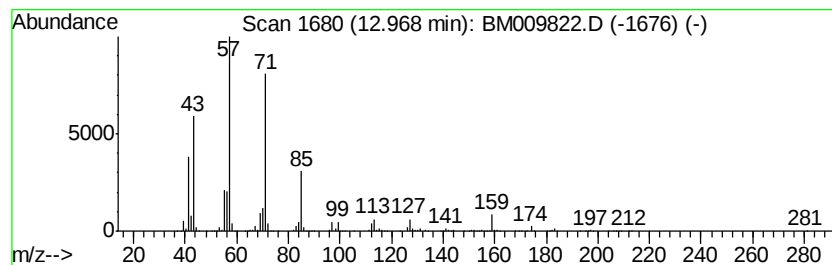
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Quant Title : SVOA CALIBRATION

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	85.15 ng/ul	8437700	Acenaphthene-d10	14.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
4			Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
5			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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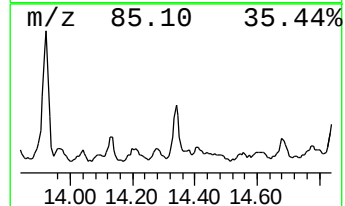
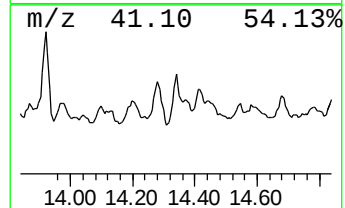
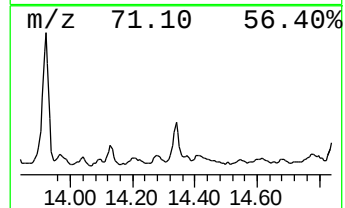
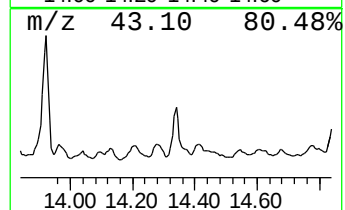
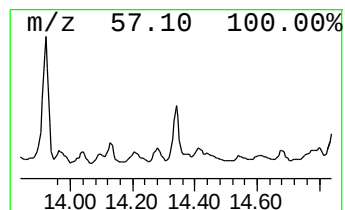
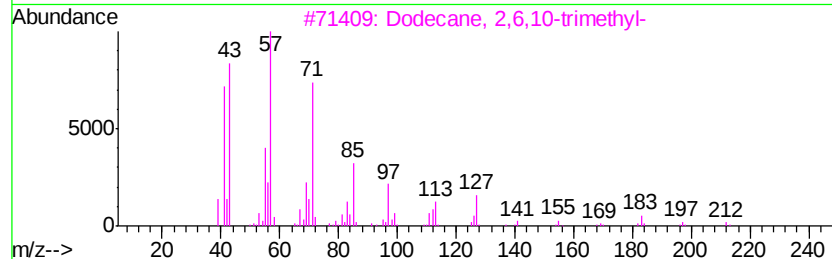
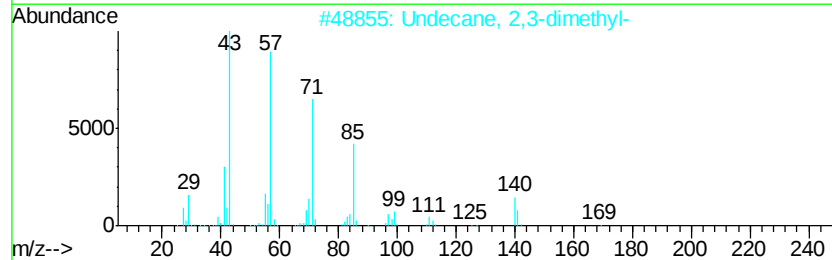
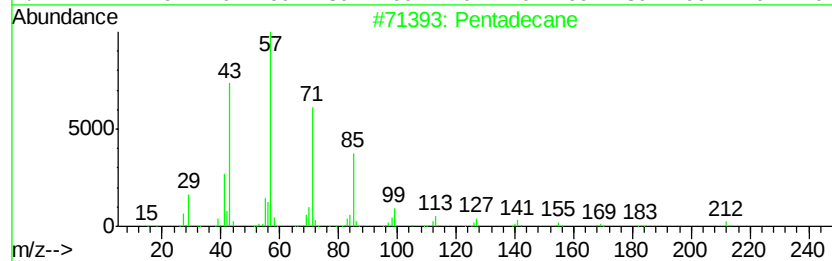
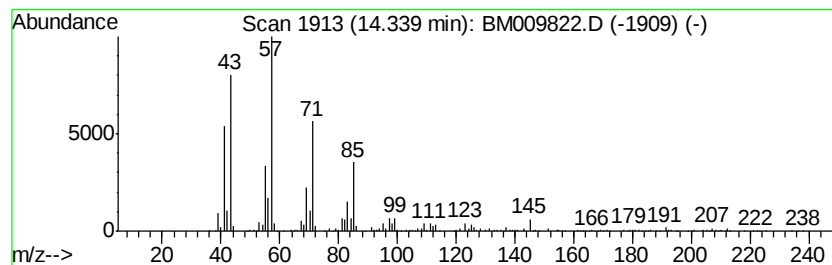
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Quant Title : SVOA CALIBRATION

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	35.96 ng/ul	3562990	Acenaphthene-d10	14.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	81
2		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	80
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	74
4		Hexadecane	226	C16H34	000544-76-3	72
5		Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSW5

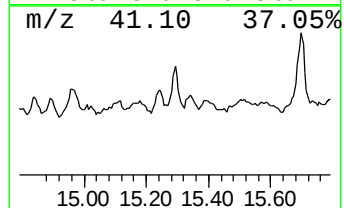
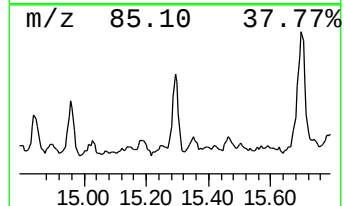
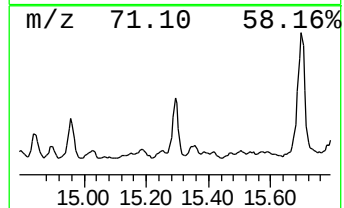
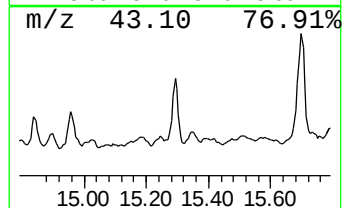
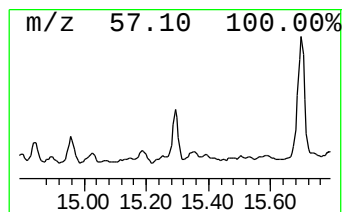
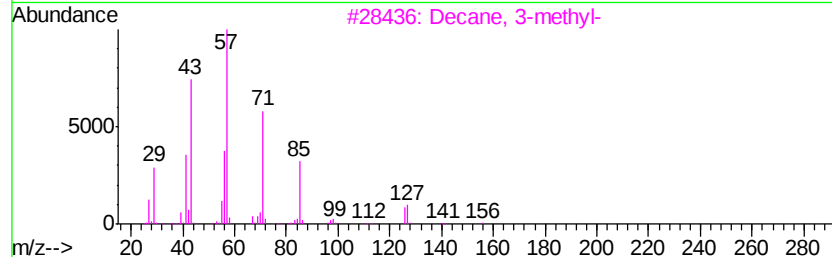
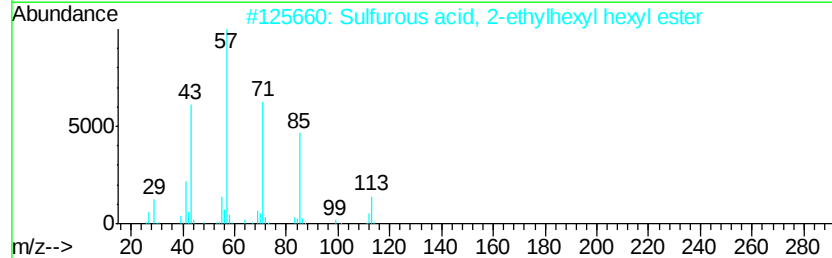
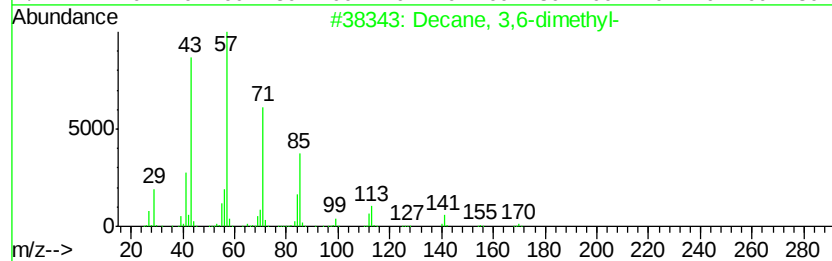
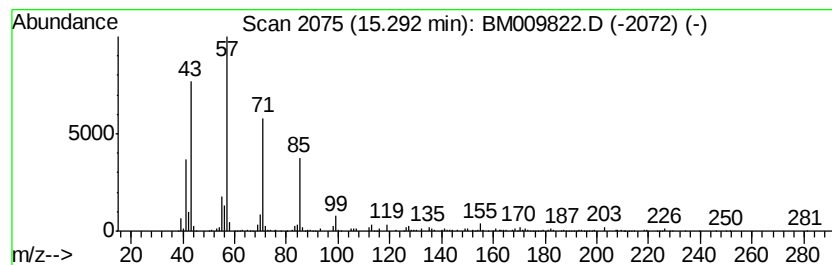
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	24.35 ng/ul	2413120	Acenaphthene-d10	14.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72
2			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
3			Decane, 3-methyl-	156	C11H24	013151-34-3	68
4			Nonane, 1-iodo-	254	C9H19I	004282-42-2	64
5			Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSW5

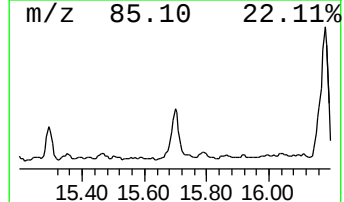
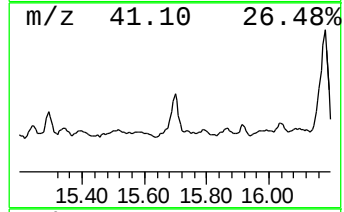
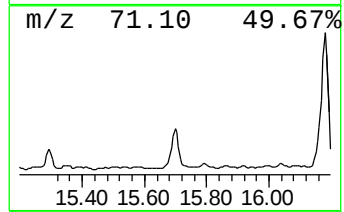
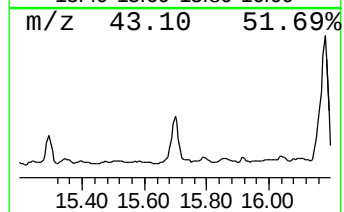
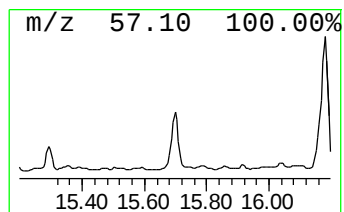
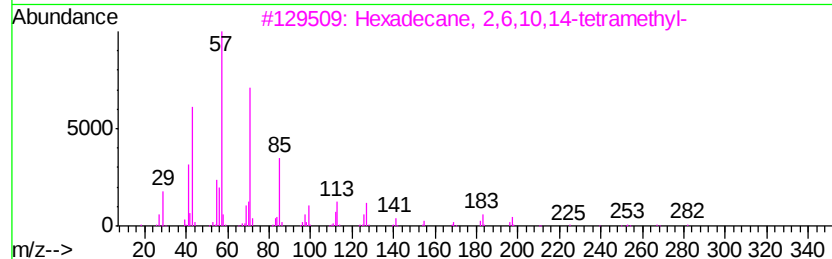
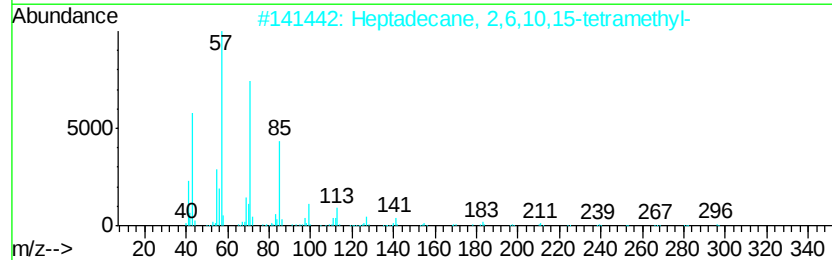
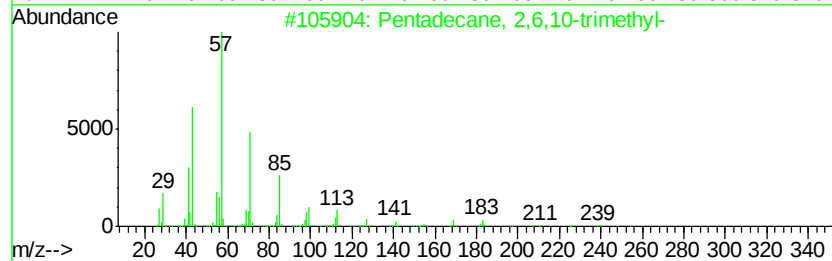
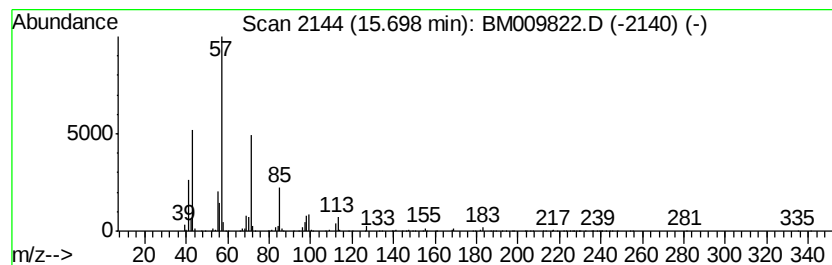
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	74.25 ng/ul	7357760	Acenaphthene-d10	14.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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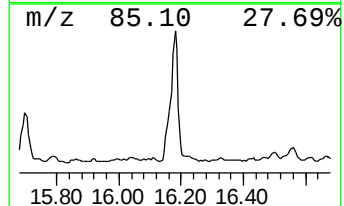
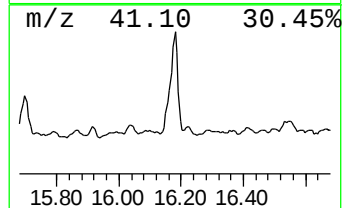
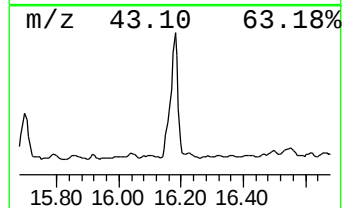
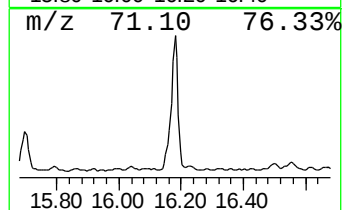
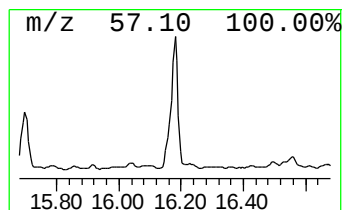
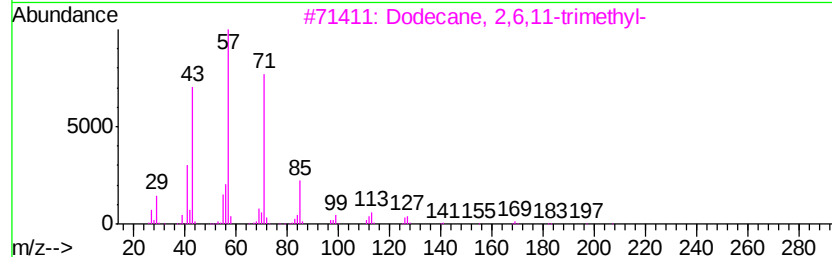
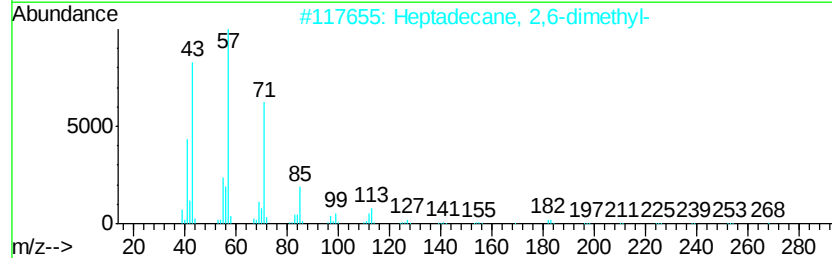
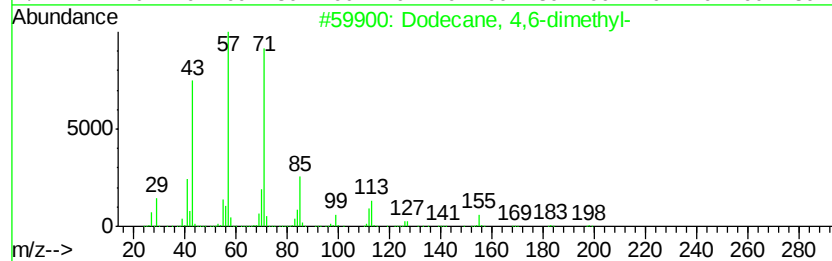
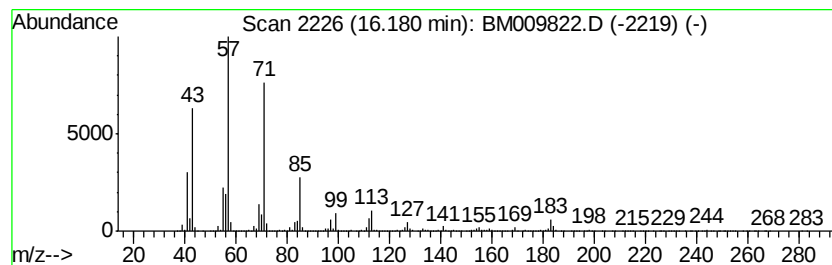
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Quant Title : SVOA CALIBRATION

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	134.54 ng/ul	20733300	Phenanthrene-d10	17.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	90
2		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	90
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
5		Tridecane, 4-methyl-	198	C14H30	026730-12-1	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSW5

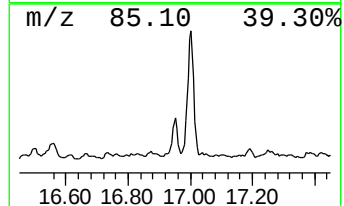
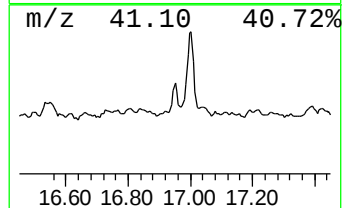
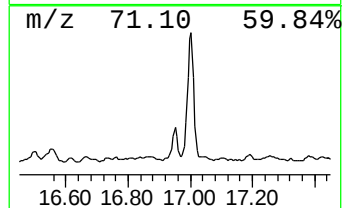
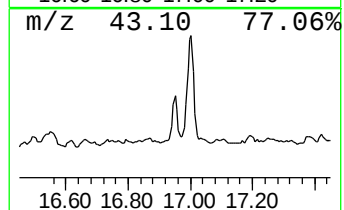
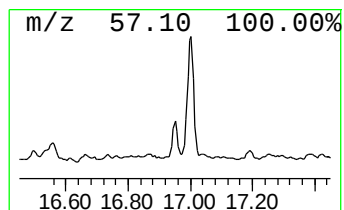
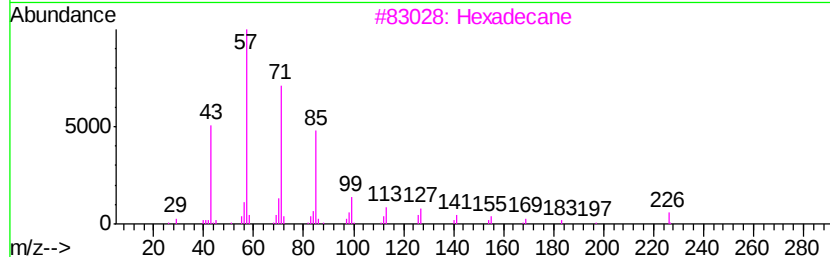
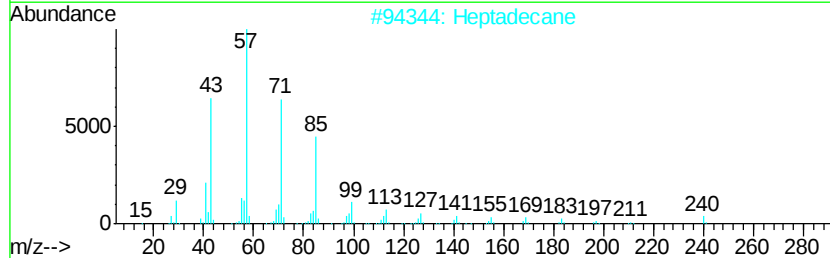
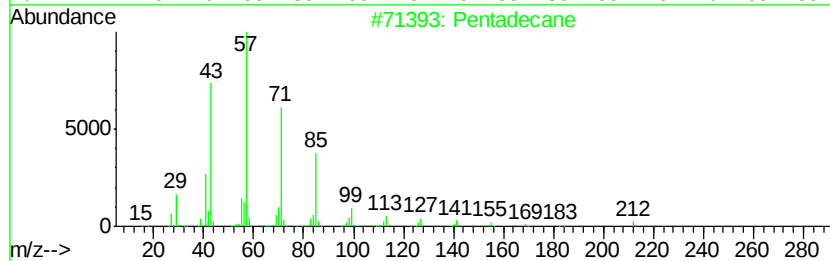
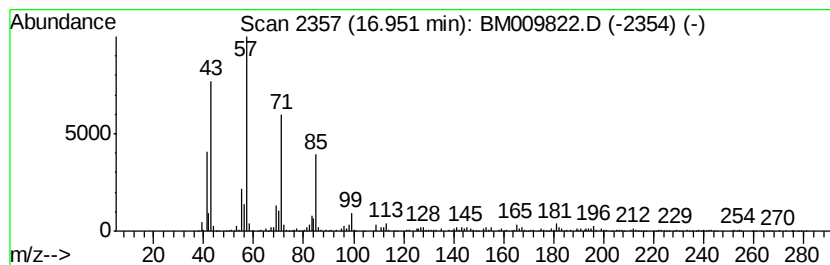
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Quant Title : SVOA CALIBRATION

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	16.15 ng/ul	2488130	Phenanthrene-d10	17.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	91
2			Heptadecane	240	C17H36	000629-78-7	87
3			Hexadecane	226	C16H34	000544-76-3	87
4			Tetradecane	198	C14H30	000629-59-4	80
5			Heptacosane	380	C27H56	000593-49-7	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSW5

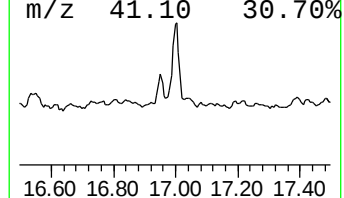
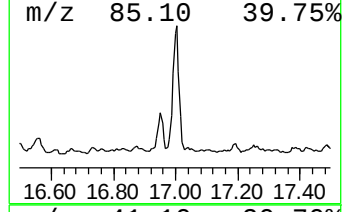
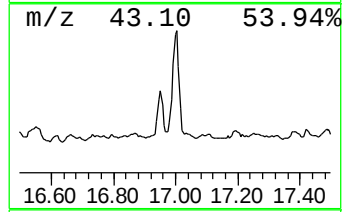
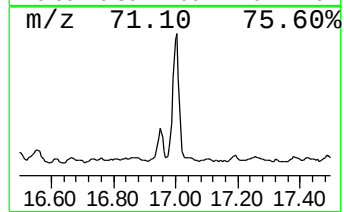
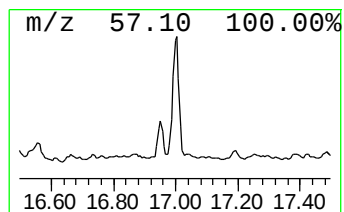
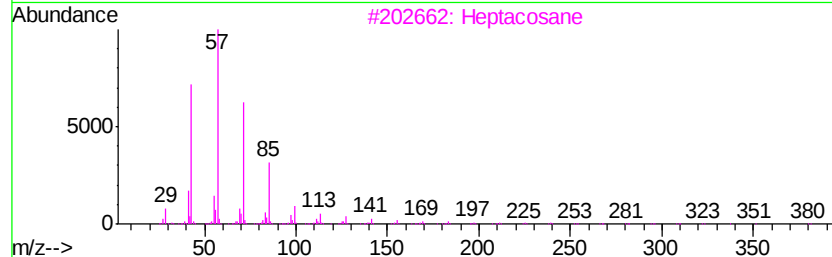
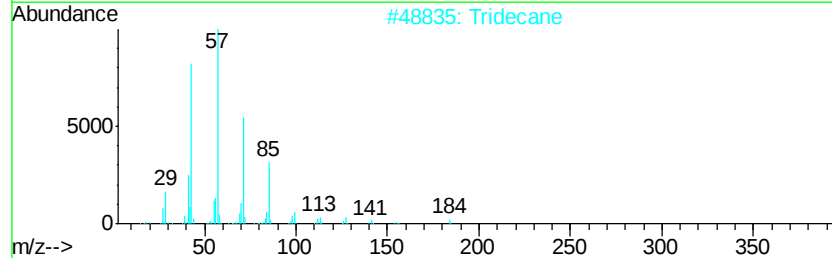
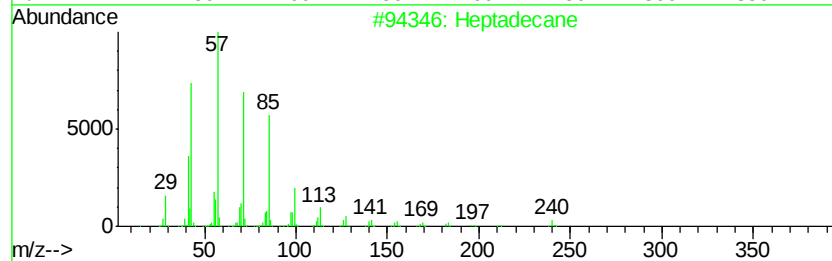
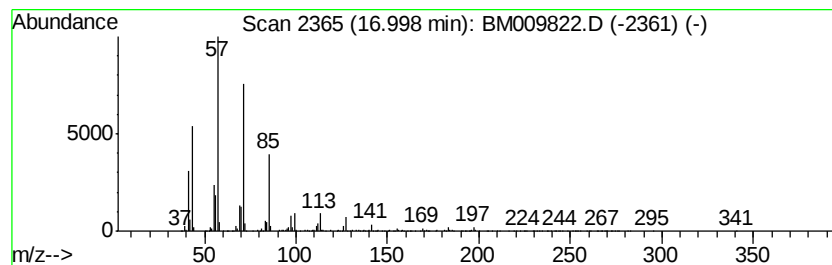
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Quant Title : SVOA CALIBRATION

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	67.98 ng/ul	10476400	Phenanthrene-d10	17.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	90
2		Tridecane	184	C13H28	000629-50-5	90
3		Heptacosane	380	C27H56	000593-49-7	90
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\
Data File : BM009822.D
Acq On : 30 Apr 2017 21:19
Operator : SJ/MA
Sample : I2849-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSW5

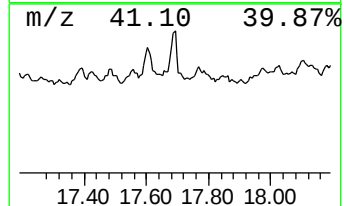
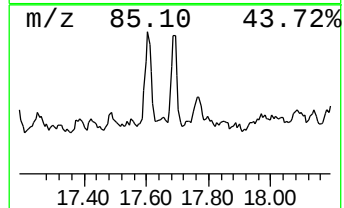
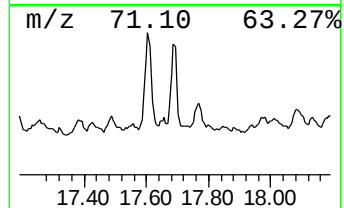
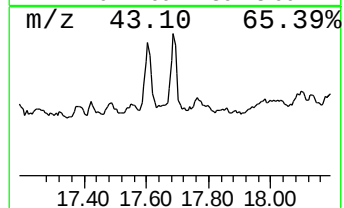
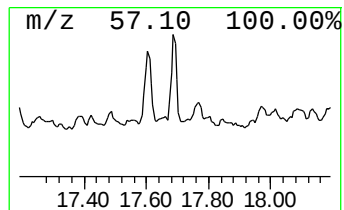
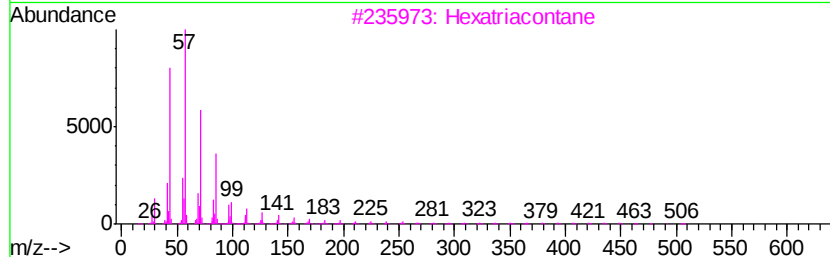
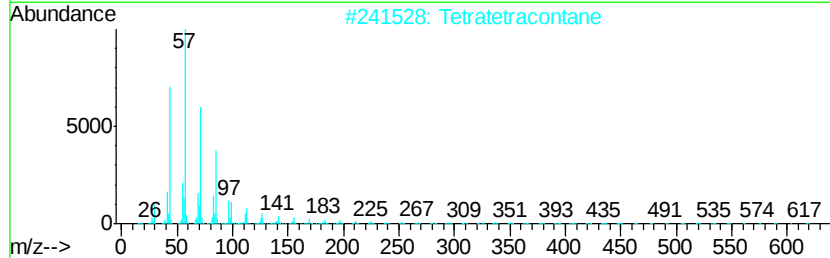
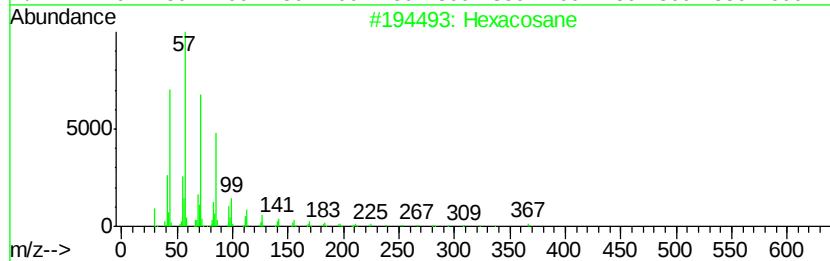
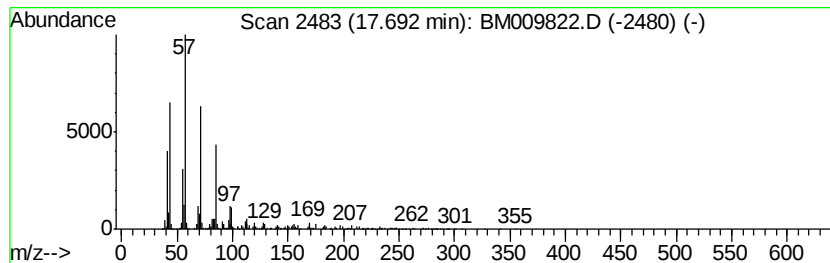
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM042517.M
Quant Title : SVOA CALIBRATION

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	23.17 ng/ul	3570230	Phenanthrene-d10	17.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	90
2			Tetratetracontane	619	C44H90	007098-22-8	87
3			Hexatriacontane	507	C36H74	000630-06-8	86
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
5			Octacosane	394	C28H58	000630-02-4	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM043017\
 Data File : BM009822.D
 Acq On : 30 Apr 2017 21:19
 Operator : SJ/MA
 Sample : I2849-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSW5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM042517.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	6.55	10.5	ng/ul	524671	1	7.82	997466	20.0
(DEL) Alkane: Str...	6.77	23.4	ng/ul	1165000	1	7.82	997466	20.0
(DEL) Alkane: Cyc...	6.89	11.6	ng/ul	577204	1	7.82	997466	20.0
(DEL) Alkane: Str...	7.76	22.5	ng/ul	1123900	1	7.82	997466	20.0
Bicyclo[4.1.0]hep...	7.93	34.9	ng/ul	1739190	1	7.82	997466	20.0
(DEL) Alkane: Str...	8.01	23.0	ng/ul	1147530	1	7.82	997466	20.0
(DEL) Alkane: Cyc...	8.07	11.4	ng/ul	569304	1	7.82	997466	20.0
unknown-01	8.32	33.1	ng/ul	1648570	1	7.82	997466	20.0
Citronellal	8.35	55.9	ng/ul	2789480	1	7.82	997466	20.0
Benzene, 1-ethyl-...	8.44	45.4	ng/ul	2265670	1	7.82	997466	20.0
Naphthalene, deca...	8.63	46.2	ng/ul	2303680	1	7.82	997466	20.0
4a(2H)-Naphthalen...	8.77	38.3	ng/ul	1909310	1	7.82	997466	20.0
Benzene, 1-ethyl-...	8.90	129.2	ng/ul	6443100	1	7.82	997466	20.0
unknown-02	9.05	10.5	ng/ul	522814	1	7.82	997466	20.0
Oxalic acid, cycl...	9.10	28.7	ng/ul	1429220	1	7.82	997466	20.0
trans-4a-Methyl-d...	9.22	4.4	ng/ul	1210130	2	10.62	5528410	20.0
Sulfurous acid, c...	9.25	6.8	ng/ul	1870650	2	10.62	5528410	20.0
Cyclohexanone, 2-...	9.32	7.8	ng/ul	2147460	2	10.62	5528410	20.0
Benzene, 1,2,4,5-...	9.43	6.2	ng/ul	1705430	2	10.62	5528410	20.0
Naphthalene, deca...	9.77	20.2	ng/ul	5588720	2	10.62	5528410	20.0
cis-Decalin, 2-sy...	9.87	2.6	ng/ul	730578	2	10.62	5528410	20.0
3-Phenylbut-1-ene	10.00	11.6	ng/ul	3196560	2	10.62	5528410	20.0
(DEL) Alkane: Cyc...	10.18	9.3	ng/ul	2570280	2	10.62	5528410	20.0
unknown-03	10.30	12.2	ng/ul	3382820	2	10.62	5528410	20.0
Naphthalene, deca...	10.37	14.7	ng/ul	4070910	2	10.62	5528410	20.0
(DEL) Alkane: Cyc...	10.45	4.5	ng/ul	1233100	2	10.62	5528410	20.0
(DEL) Alkane: Cyc...	10.49	7.5	ng/ul	2065230	2	10.62	5528410	20.0
unknown-04	10.56	24.7	ng/ul	6815410	2	10.62	5528410	20.0
(DEL) Alkane: Cyc...	10.81	10.7	ng/ul	2949810	2	10.62	5528410	20.0
(DEL) Alkane: Cyc...	11.07	20.2	ng/ul	5579720	2	10.62	5528410	20.0
(DEL) Alkane: Cyc...	11.87	18.4	ng/ul	5077320	2	10.62	5528410	20.0
(DEL) Alkane: Str...	12.01	8.9	ng/ul	2466390	2	10.62	5528410	20.0
(DEL) Alkane: Str...	12.97	85.2	ng/ul	8437700	3	14.47	1981840	20.0
(DEL) Alkane: Str...	14.34	36.0	ng/ul	3562990	3	14.47	1981840	20.0
(DEL) Alkane: Str...	15.29	24.4	ng/ul	2413120	3	14.47	1981840	20.0
(DEL) Alkane: Str...	15.70	74.3	ng/ul	7357760	3	14.47	1981840	20.0
(DEL) Alkane: Str...	16.18	134.5	ng/ul	20733300	4	17.22	3082080	20.0
(DEL) Alkane: Str...	16.95	16.1	ng/ul	2488130	4	17.22	3082080	20.0
(DEL) Alkane: Str...	17.00	68.0	ng/ul	10476400	4	17.22	3082080	20.0
(DEL) Alkane: Str...	17.69	23.2	ng/ul	3570230	4	17.22	3082080	20.0