

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
 Data File : BM003628.D
 Acq On : 19 Dec 2015 20:08
 Operator : UM/SJ
 Sample : G4801-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9C69

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.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	3.416	53	56	68	rVB	213895	352757	18.64%	0.539%
2	4.075	161	168	172	rBV2	284193	476586	25.19%	0.728%
3	4.216	187	192	200	rVB2	188881	361979	19.13%	0.553%
4	4.357	213	216	225	rVB	211077	333377	17.62%	0.509%
5	4.646	256	265	271	rBV	348690	559537	29.57%	0.855%
6	4.852	296	300	304	rVV	399400	564178	29.82%	0.862%
7	4.904	304	309	315	rVV	576658	964237	50.96%	1.473%
8	5.063	332	336	340	rVV	206984	286361	15.13%	0.437%
9	5.140	345	349	354	rVV3	276702	562092	29.71%	0.859%
10	5.287	370	374	386	rVB	321740	566274	29.93%	0.865%
11	5.399	386	393	402	rVB5	117222	309999	16.38%	0.474%
12	5.504	402	411	417	rBV2	174302	335277	17.72%	0.512%
13	5.581	417	424	428	rBV3	332762	641586	33.91%	0.980%
14	5.657	432	437	442	rVV	366854	551194	29.13%	0.842%
15	5.722	444	448	455	rVB	260821	461492	24.39%	0.705%
16	5.799	455	461	469	rBV	202896	330436	17.46%	0.505%
17	5.975	483	491	498	rBV4	436722	999087	52.80%	1.526%
18	6.093	504	511	517	rBV3	179921	419370	22.16%	0.641%
19	6.204	522	530	535	rBV3	478988	1229887	65.00%	1.879%
20	6.263	535	540	544	rBV	699392	1028670	54.36%	1.571%
21	6.340	544	553	556	rVV2	702648	1402385	74.11%	2.142%
22	6.369	556	558	564	rVB	721128	971999	51.37%	1.485%
23	6.516	578	583	589	rVB4	154209	290755	15.37%	0.444%
24	6.598	589	597	603	rVB3	264907	664319	35.11%	1.015%
25	6.693	603	613	618	rBV4	760562	1602415	84.69%	2.448%
26	6.751	618	623	627	rVB	286150	393342	20.79%	0.601%
27	7.028	665	670	675	rVB3	252802	453164	23.95%	0.692%
28	7.381	721	730	732	rBV3	122746	313653	16.58%	0.479%
29	7.416	732	736	742	rVV3	198754	390739	20.65%	0.597%
30	7.604	762	768	774	rVV5	215205	585734	30.96%	0.895%
31	7.681	774	781	789	rVB2	960703	1892189	100.00%	2.891%
32	7.763	789	795	801	rVB3	179679	369256	19.51%	0.564%
33	7.887	811	816	820	rVV2	299708	506313	26.76%	0.773%
34	7.987	824	833	839	rVV3	514595	1264537	66.83%	1.932%

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35	8.045	839	843	850	rVB2	193036	338529	17.89%	0.517%
36	8.228	870	874	877	rVV	319800	533009	28.17%	0.814%
37	8.287	881	884	889	rVB	294321	391191	20.67%	0.598%
38	8.357	889	896	899	rBV2	317142	600982	31.76%	0.918%
39	8.404	899	904	909	rVB3	233017	444243	23.48%	0.679%
40	8.463	909	914	920	rBV	336467	539589	28.52%	0.824%
41	8.528	920	925	930	rBV	234314	374262	19.78%	0.572%
42	8.804	961	972	977	rBV4	636944	1623939	85.82%	2.481%
43	8.857	977	981	983	rVV2	232380	410359	21.69%	0.627%
44	8.892	984	987	994	rVB5	314658	525549	27.77%	0.803%
45	9.010	1002	1007	1009	rBV2	211863	343066	18.13%	0.524%
46	9.045	1009	1013	1019	rVB5	288775	624672	33.01%	0.954%
47	9.175	1019	1035	1040	rBV4	229786	772684	40.84%	1.180%
48	9.281	1040	1053	1056	rBV9	127052	382134	20.20%	0.584%
49	9.339	1057	1063	1069	rVB2	327662	635323	33.58%	0.971%
50	9.410	1069	1075	1080	rBV3	278797	493656	26.09%	0.754%
51	9.581	1098	1104	1107	rBV2	269219	474681	25.09%	0.725%
52	9.622	1107	1111	1115	rVB3	339911	521829	27.58%	0.797%
53	9.675	1115	1120	1127	rVB4	351171	653117	34.52%	0.998%
54	9.751	1128	1133	1135	rBV2	271154	454143	24.00%	0.694%
55	9.839	1141	1148	1152	rVB3	266064	422264	22.32%	0.645%
56	9.898	1152	1158	1171	rBV2	612826	1346132	71.14%	2.056%
57	10.022	1175	1179	1183	rVB	213642	299014	15.80%	0.457%
58	10.116	1191	1195	1202	rVB3	339914	641758	33.92%	0.980%
59	10.192	1203	1208	1211	rBV	169597	304257	16.08%	0.465%
60	10.392	1238	1242	1248	rVV3	152188	393248	20.78%	0.601%
61	10.486	1248	1258	1263	rVV3	393039	1229876	65.00%	1.879%
62	10.539	1263	1267	1274	rVV3	281295	631792	33.39%	0.965%
63	10.622	1274	1281	1282	rVV6	233354	495636	26.19%	0.757%
64	10.657	1282	1287	1292	rVB	879829	1449795	76.62%	2.215%
65	10.710	1292	1296	1303	rBV3	194607	334498	17.68%	0.511%
66	10.981	1338	1342	1349	rVB2	222089	368379	19.47%	0.563%
67	11.157	1367	1372	1373	rVV3	206753	294473	15.56%	0.450%
68	11.192	1374	1378	1385	rVV3	400549	874436	46.21%	1.336%
69	11.328	1396	1401	1407	rBV4	230279	433177	22.89%	0.662%
70	11.516	1428	1433	1443	rVV2	737007	1483049	78.38%	2.266%
71	11.680	1457	1461	1469	rVB3	224337	436437	23.07%	0.667%

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72	11.780	1470	1478	1482	rBV3	200963	421360	22.27%	0.644%
73	12.157	1533	1542	1549	rVB3	556394	1442835	76.25%	2.204%
74	12.380	1574	1580	1589	rVB2	293746	653648	34.54%	0.999%
75	12.557	1605	1610	1614	rBV3	174608	304327	16.08%	0.465%
76	12.622	1615	1621	1626	rVB4	229287	493429	26.08%	0.754%
77	12.886	1661	1666	1671	rVB	715706	1101158	58.19%	1.682%
78	13.151	1707	1711	1715	rBV3	193017	324848	17.17%	0.496%
79	13.198	1715	1719	1723	rVV2	223709	353783	18.70%	0.540%
80	13.269	1727	1731	1740	rVB4	173577	337777	17.85%	0.516%
81	13.516	1767	1773	1779	rBV	186270	501416	26.50%	0.766%
82	13.669	1795	1799	1804	rBV	216776	346582	18.32%	0.529%
83	13.727	1805	1809	1811	rVV	229451	326207	17.24%	0.498%
84	13.763	1811	1815	1819	rVB	442256	641421	33.90%	0.980%
85	13.810	1819	1823	1824	rBV	249554	284237	15.02%	0.434%
86	13.839	1824	1828	1832	rVB2	697195	1013075	53.54%	1.548%
87	14.045	1859	1863	1872	rVB	550458	787802	41.63%	1.203%
88	14.357	1912	1916	1922	rVB2	398004	654741	34.60%	1.000%
89	14.563	1946	1951	1960	rVB2	301139	644931	34.08%	0.985%
90	14.880	2001	2005	2016	rVB5	218559	382157	20.20%	0.584%
91	15.351	2080	2085	2089	rVB	622829	886389	46.84%	1.354%
92	15.616	2119	2130	2136	rBV	467077	811407	42.88%	1.240%
93	16.092	2204	2211	2216	rBV	533222	849566	44.90%	1.298%
94	16.915	2346	2351	2355	rVB	213065	304693	16.10%	0.465%
95	17.104	2377	2383	2387	rBV2	511703	779510	41.20%	1.191%
96	17.198	2394	2399	2410	rVB2	736116	1096494	57.95%	1.675%
97	19.503	2785	2791	2799	rBV	909253	1282453	67.78%	1.959%
98	21.303	3091	3097	3106	rBV	719186	984188	52.01%	1.504%
99	23.409	3448	3455	3462	rVB	764444	1421726	75.14%	2.172%
100	23.550	3472	3479	3490	rVB	510894	1017123	53.75%	1.554%

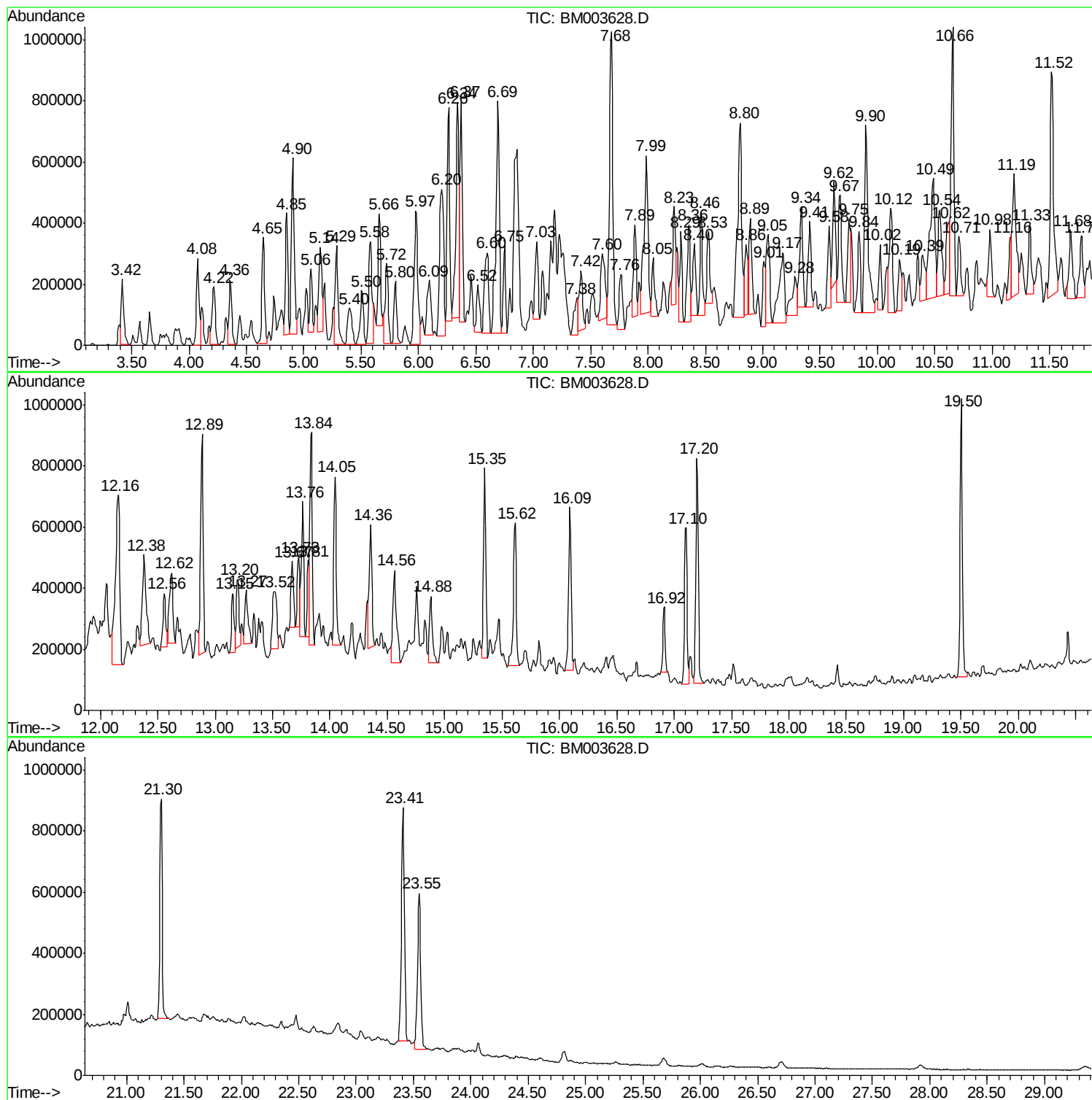
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Instrument :
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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



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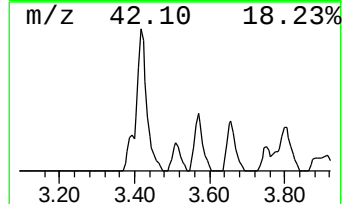
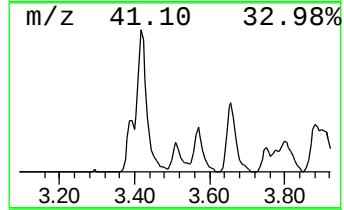
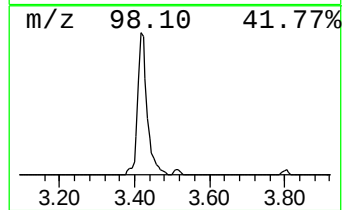
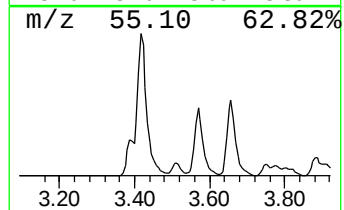
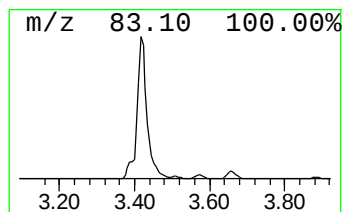
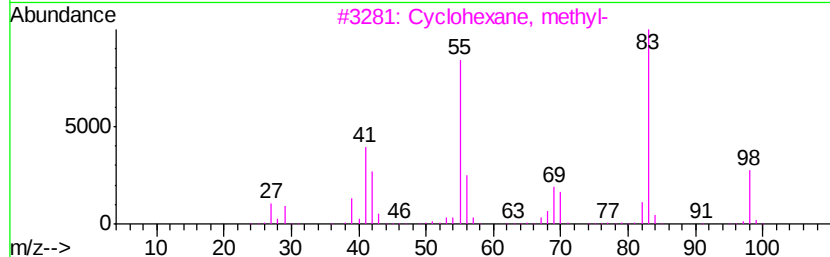
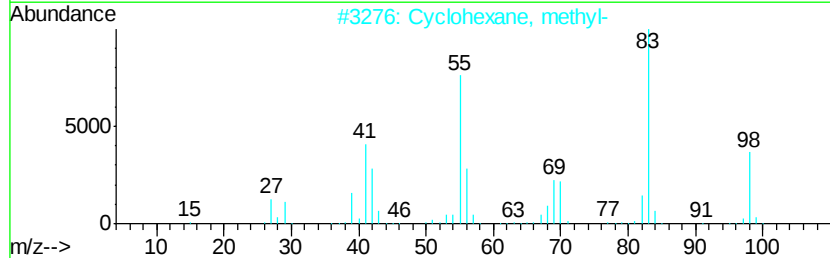
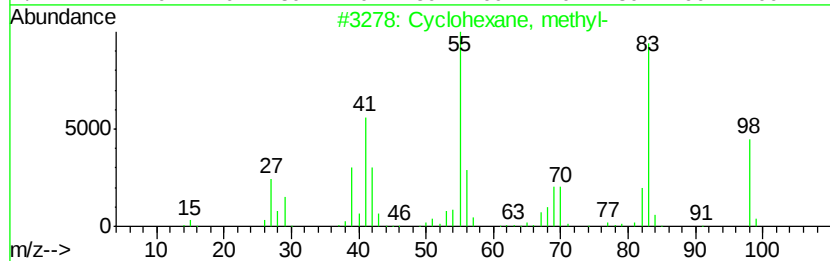
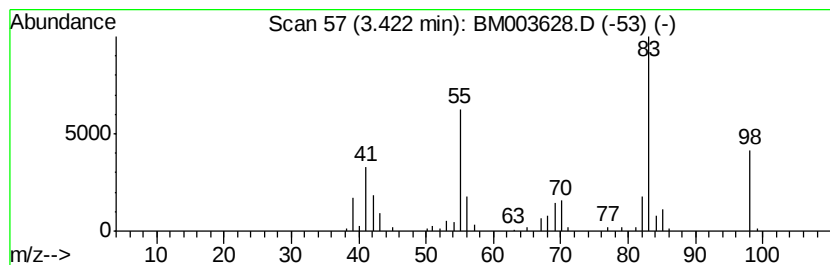
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic3.42 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	3.73 ng/ul	352757	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, methyl-	98	C7H14	000108-87-2	91
2			Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3			Cyclohexane, methyl-	98	C7H14	000108-87-2	72
4			2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	64
5			Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	64



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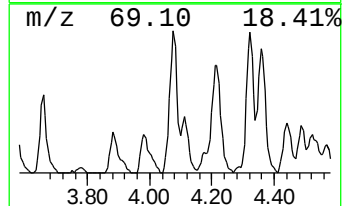
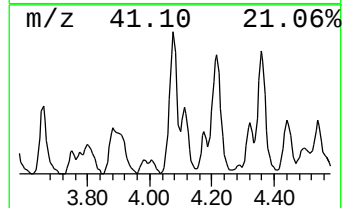
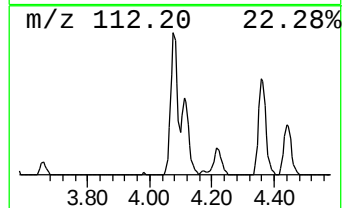
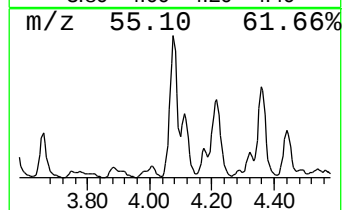
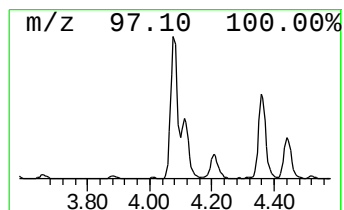
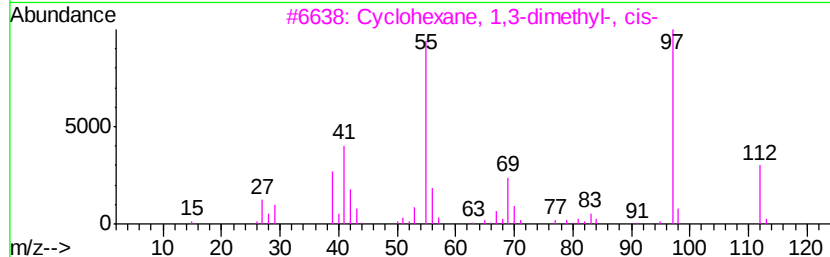
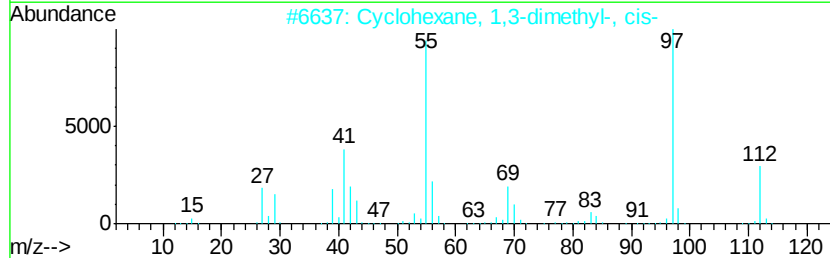
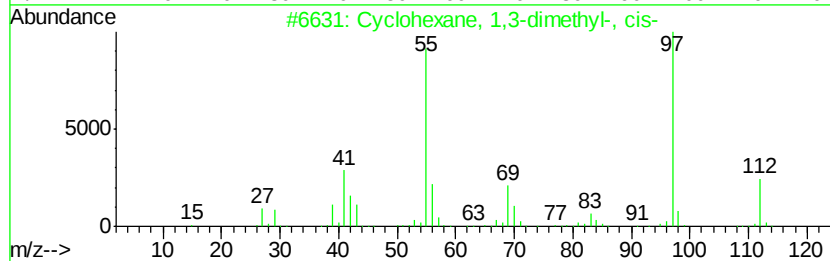
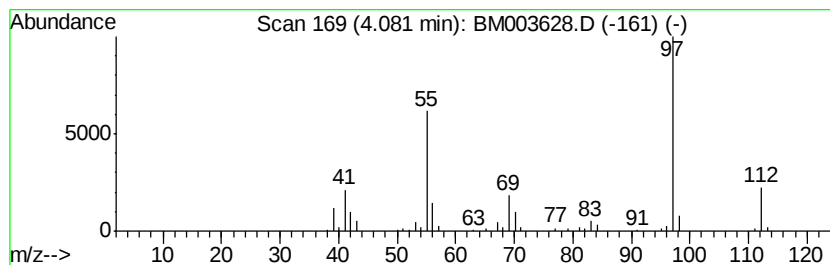
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Cyclic4.08 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	5.04 ng/ul	476586	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
4		1,3-Dimethylcyclohexane,c&t	112	C8H16	000591-21-9	91
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91



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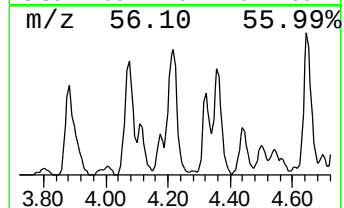
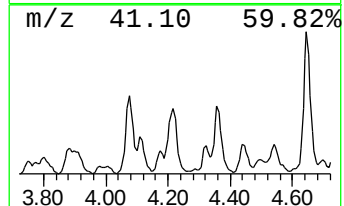
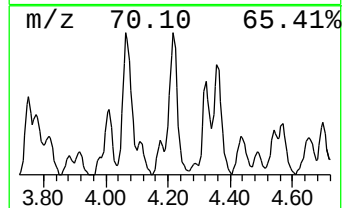
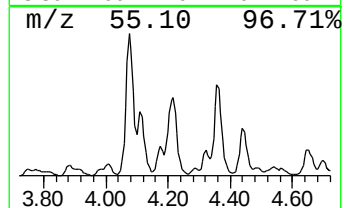
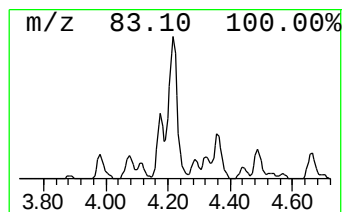
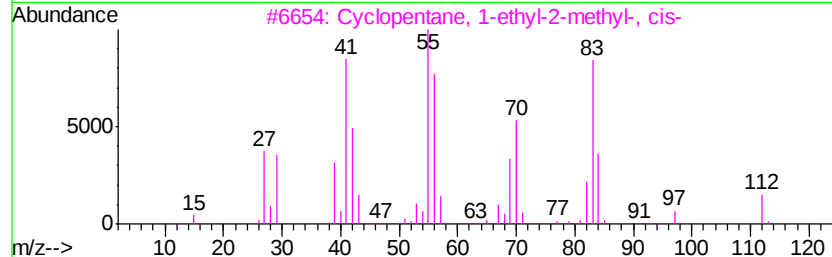
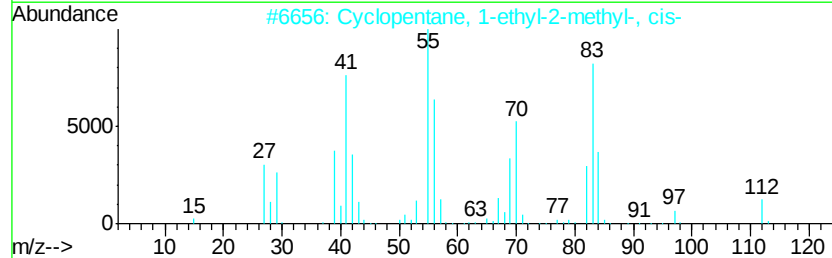
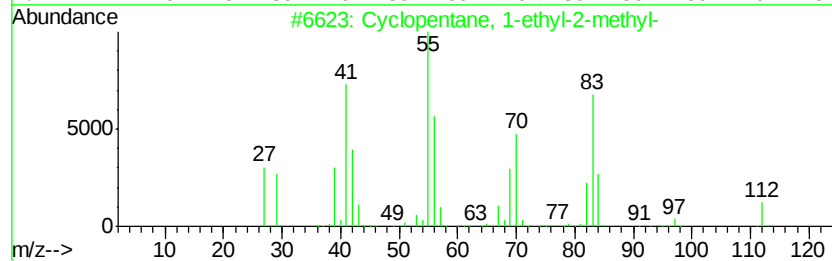
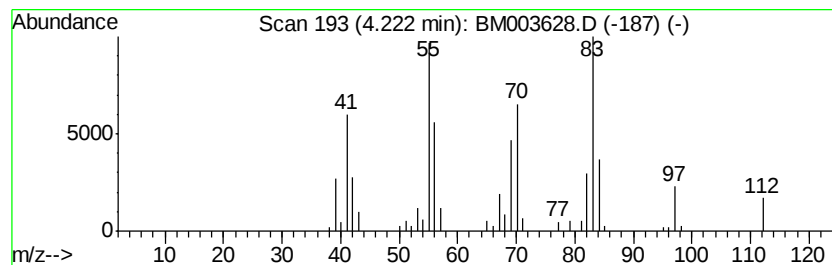
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic4.22 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.22	3.83 ng/ul	361979	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	94
2		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	93
3		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	80
4		Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	72
5		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	62



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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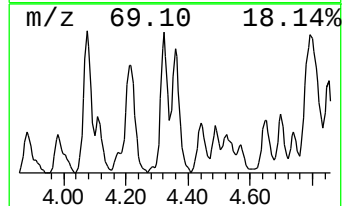
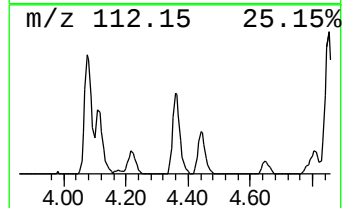
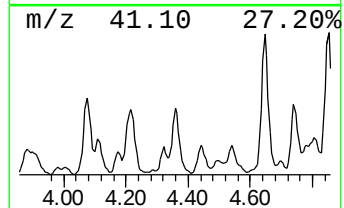
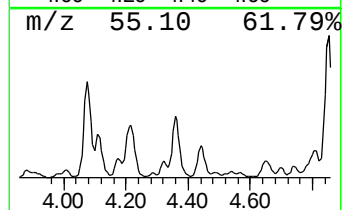
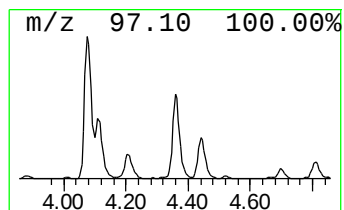
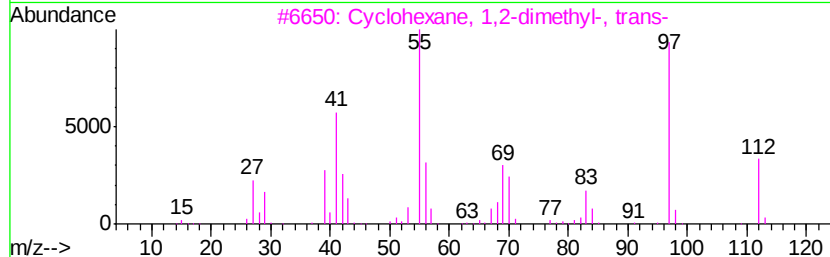
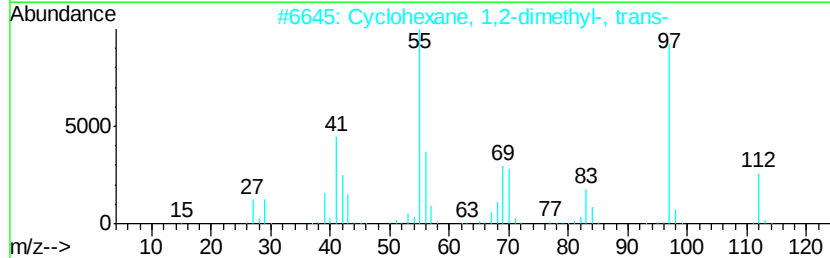
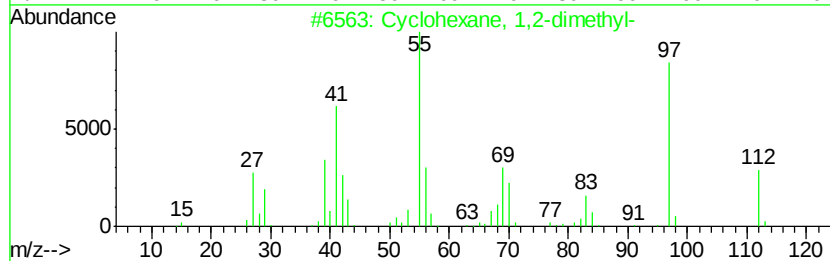
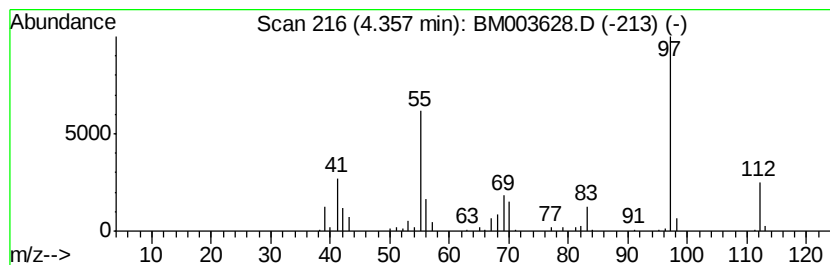
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic4.36 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.36	3.52 ng/ul	333377	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	91
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

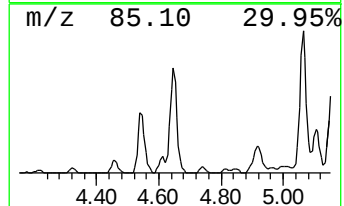
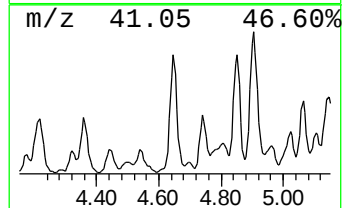
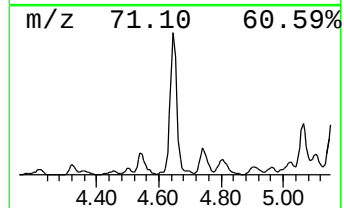
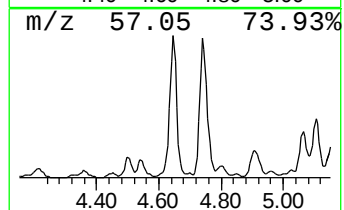
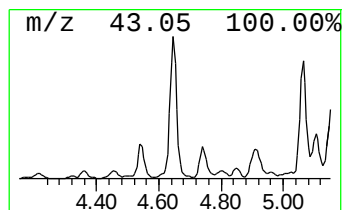
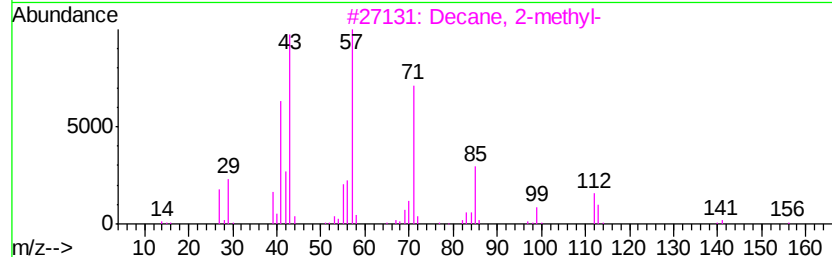
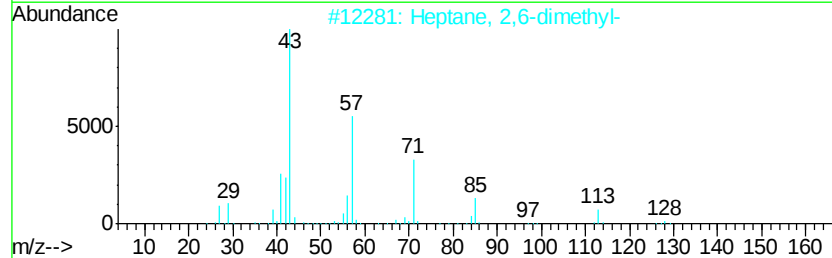
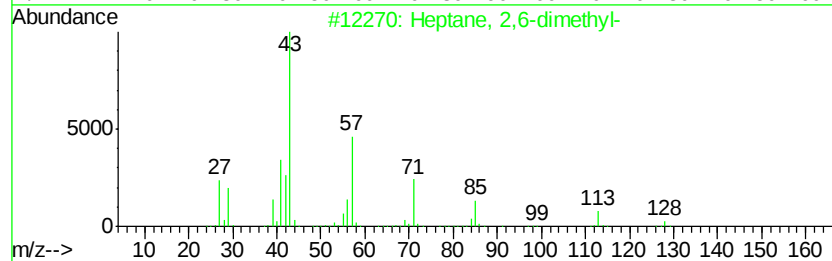
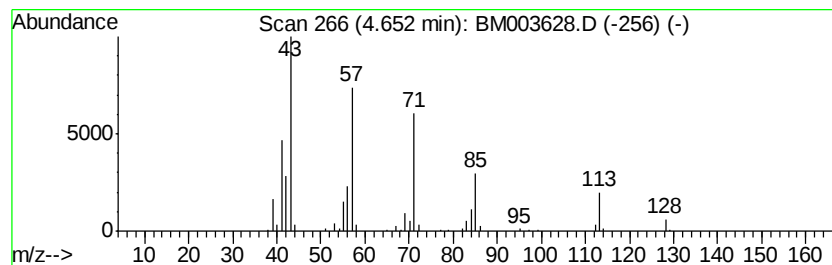
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	5.91 ng/ul	559537	1,4-Dichlorobenzene-d4	7.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
3		Decane, 2-methyl-	156	C11H24	006975-98-0	78
4		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	64
5		Nonane	128	C9H20	000111-84-2	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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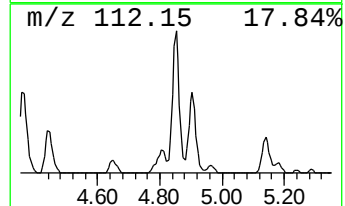
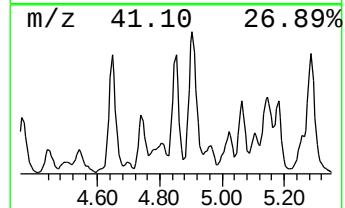
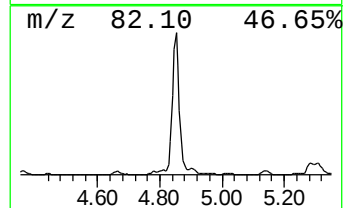
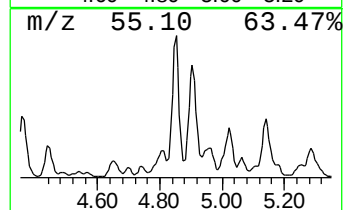
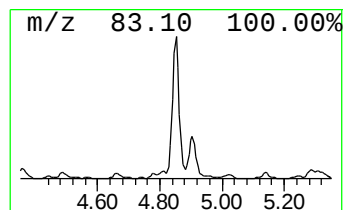
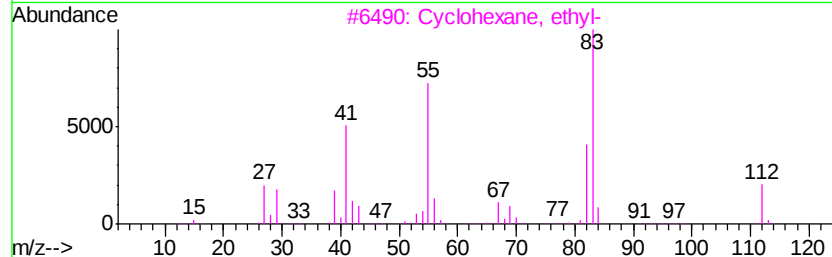
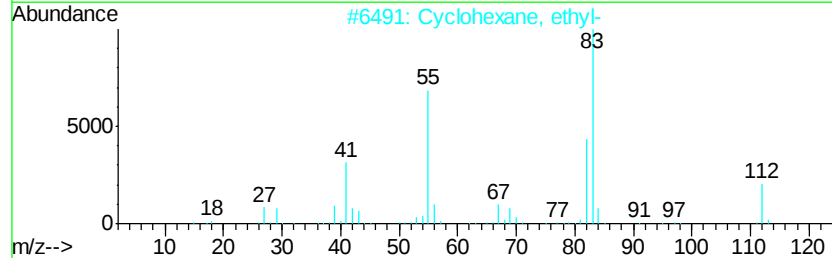
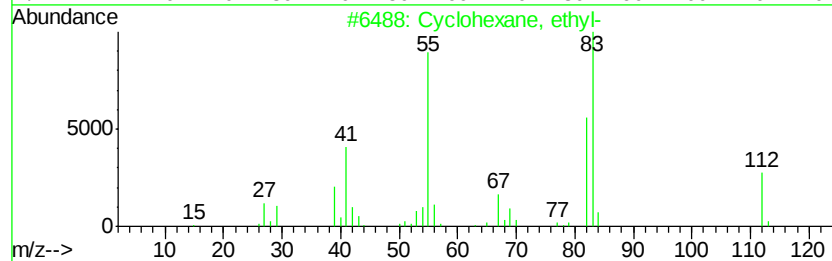
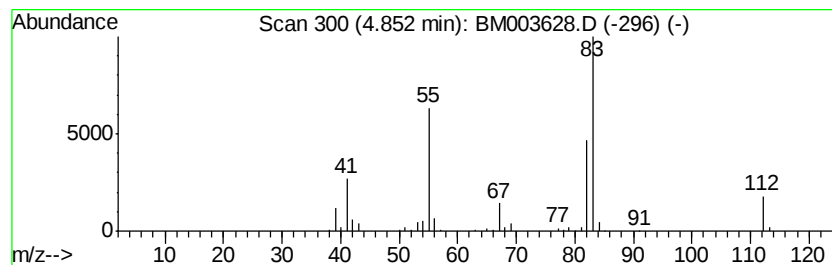
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic4.85 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	5.96 ng/ul	564178	1,4-Dichlorobenzene-d4	7.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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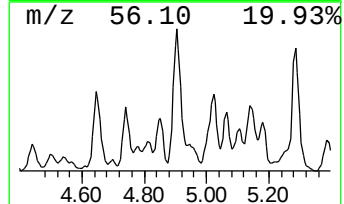
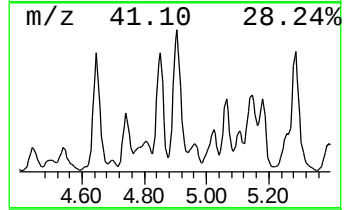
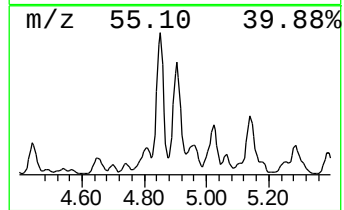
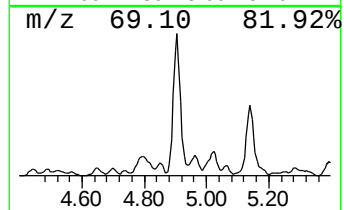
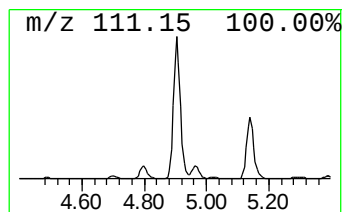
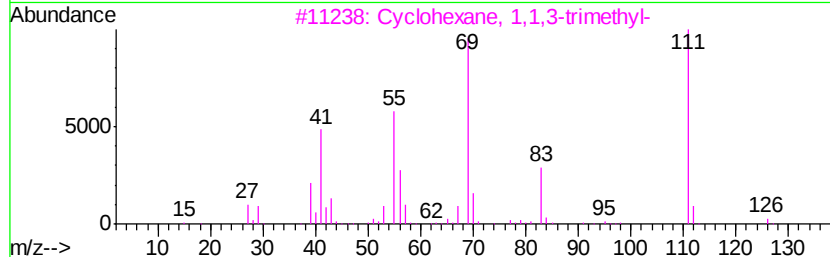
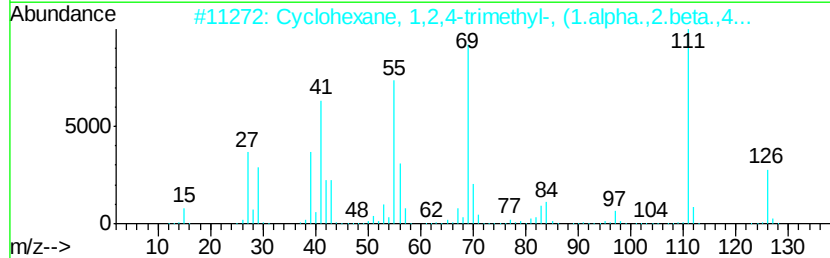
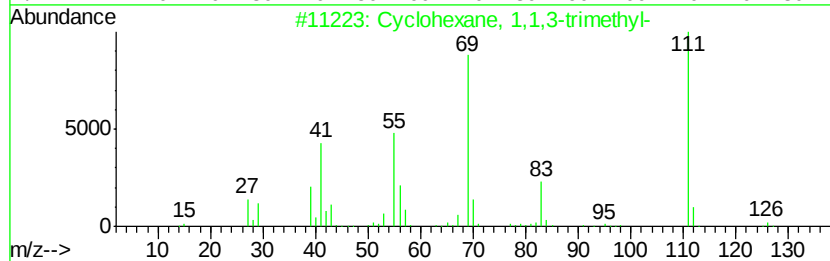
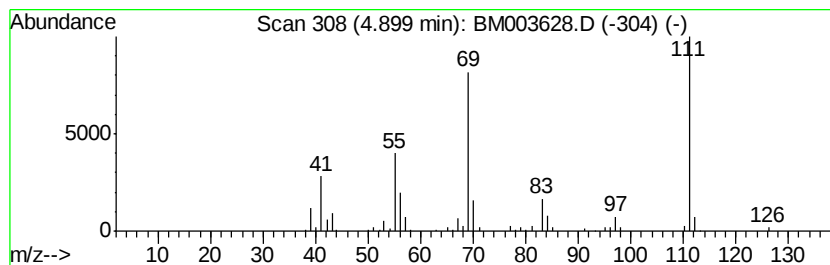
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Cyclic4.90 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	10.19 ng/ul	964237	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	83
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	78
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
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Instrument :
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ClientSampleId :
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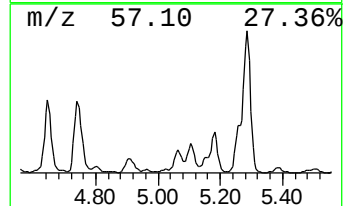
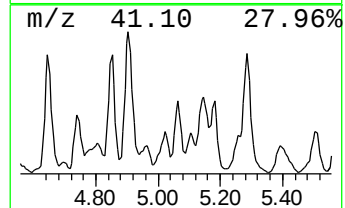
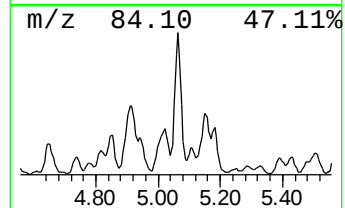
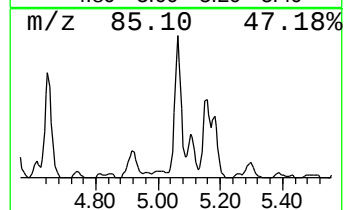
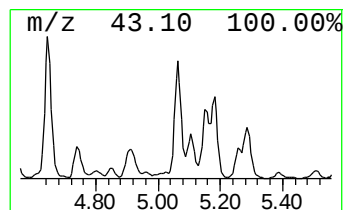
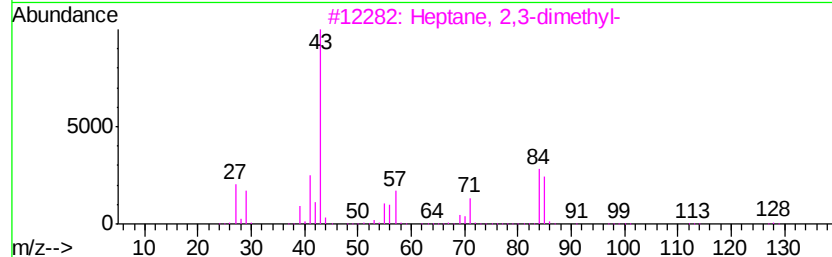
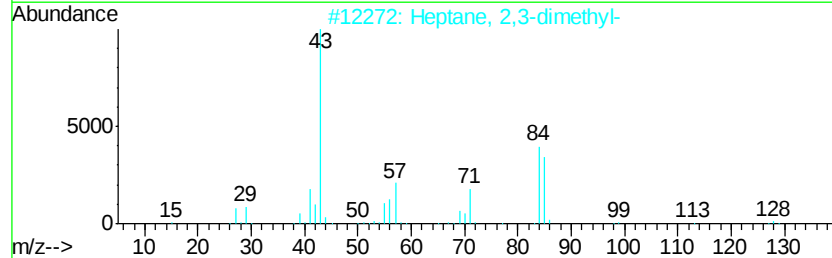
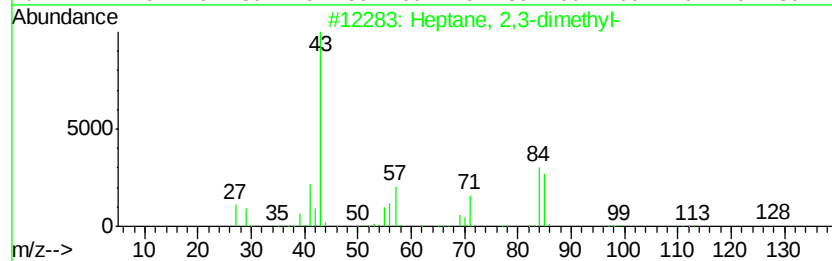
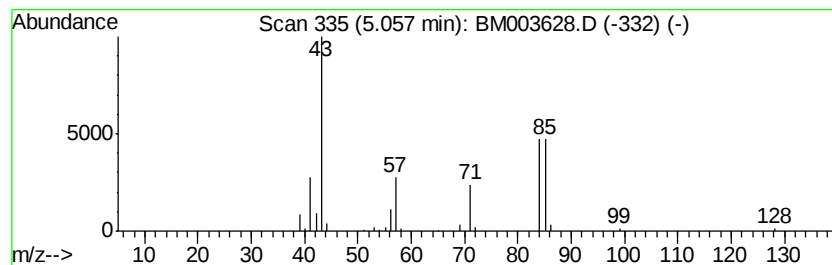
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	3.03 ng/ul	286361	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
2			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	86
4			Hexane, 3-ethyl-	114	C8H18	000619-99-8	83
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Misc :
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ClientSampleId :
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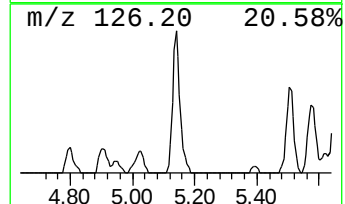
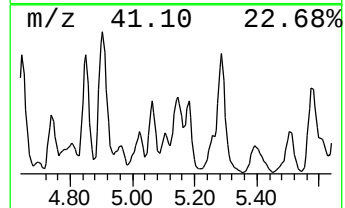
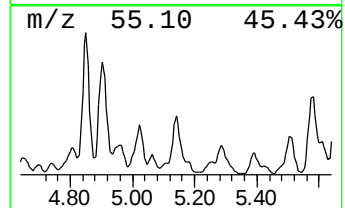
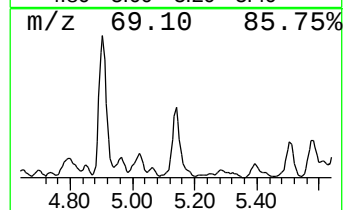
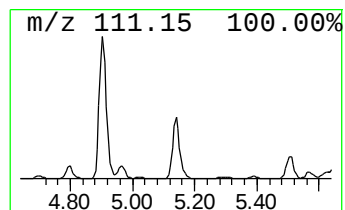
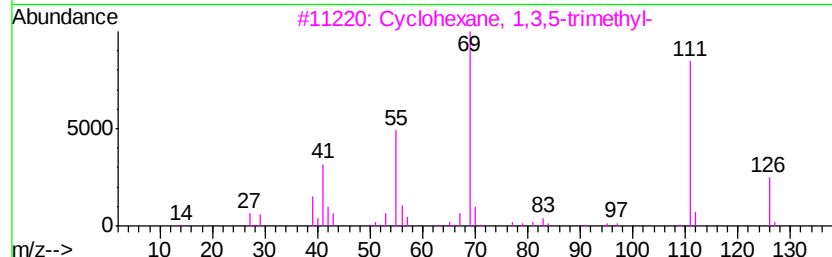
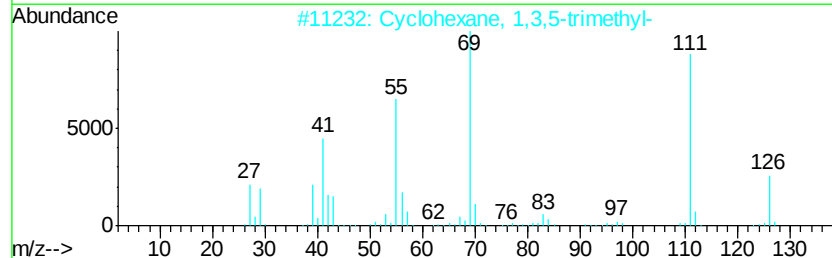
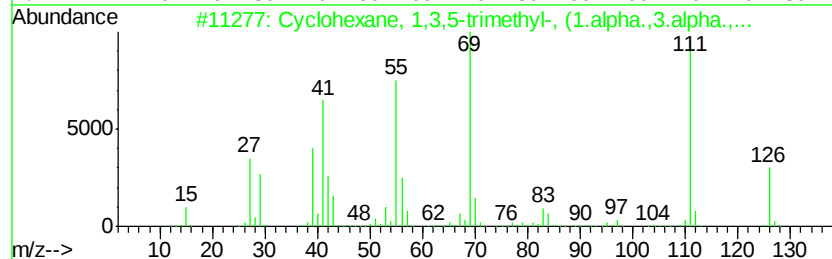
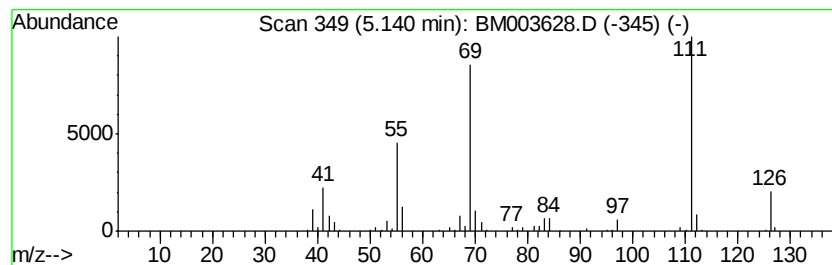
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Cyclic5.14 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.14	5.94 ng/ul	562092	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	91
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
5		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampled :
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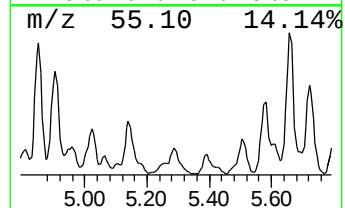
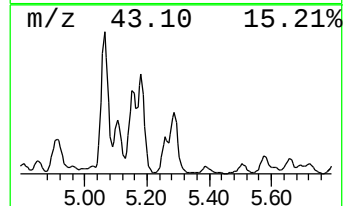
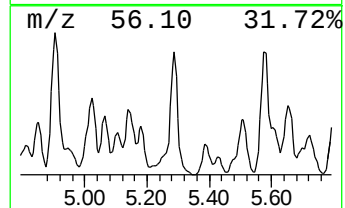
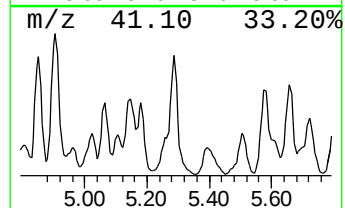
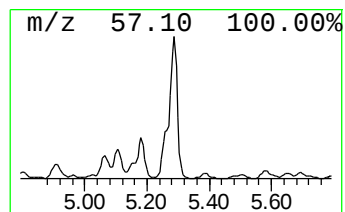
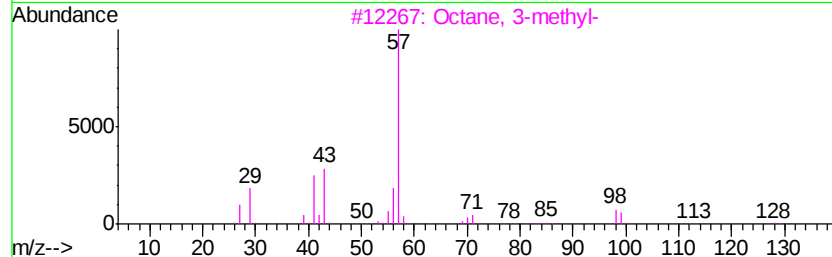
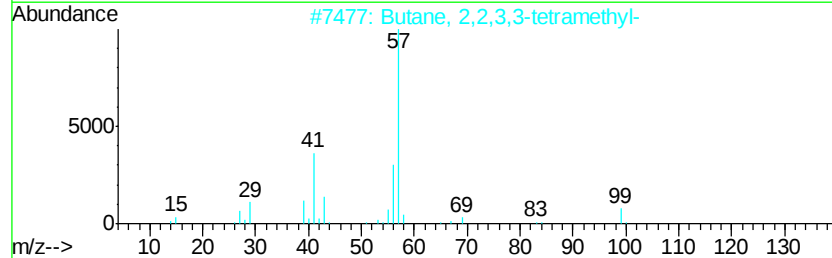
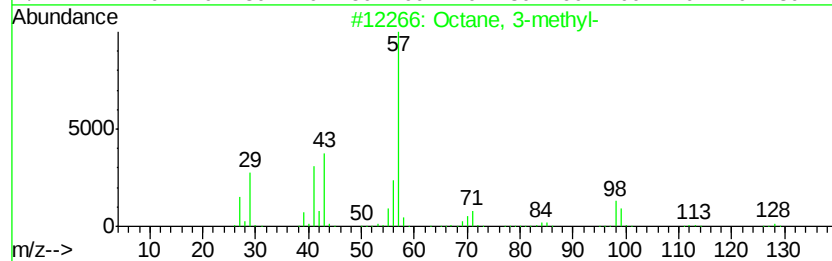
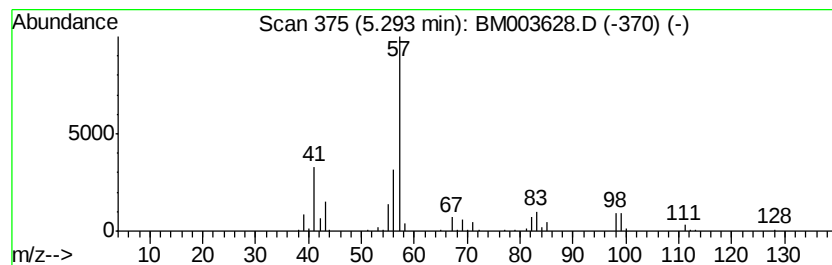
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	5.99 ng/ul	566274	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	59
2			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	50
3			Octane, 3-methyl-	128	C9H20	002216-33-3	49
4			Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
5			Pentane, 3,3-diethyl-	128	C9H20	001067-20-5	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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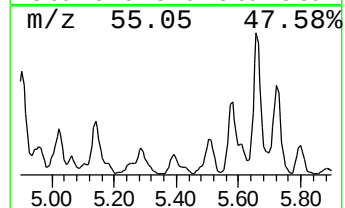
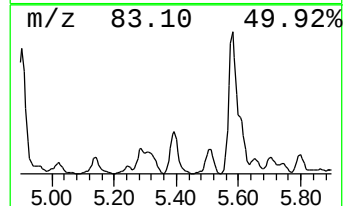
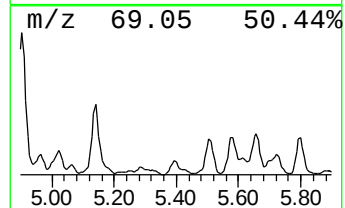
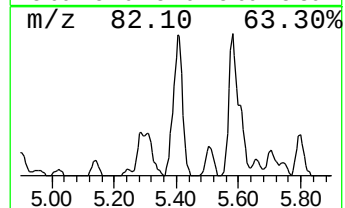
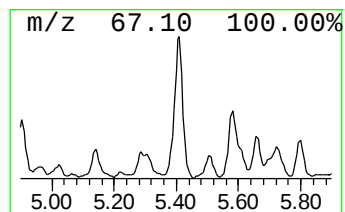
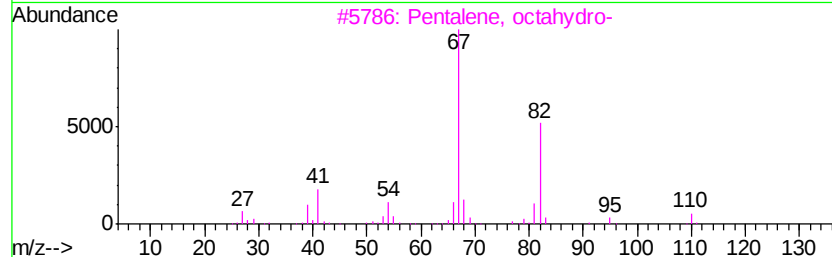
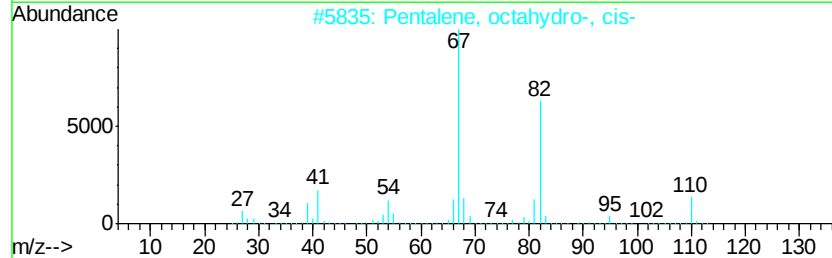
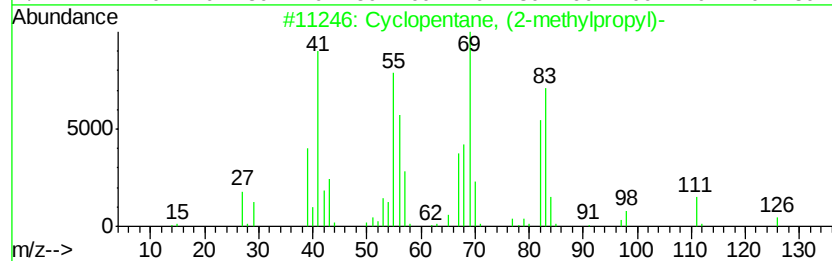
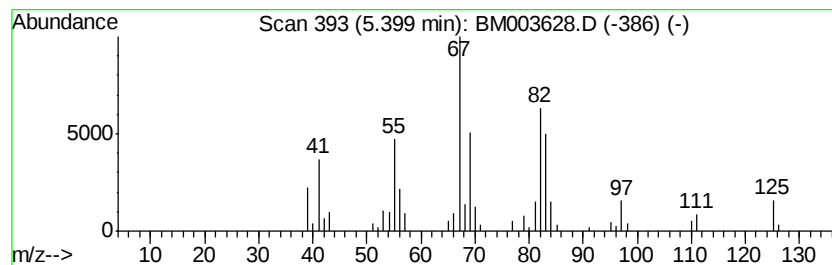
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Cyclic5.40 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.40	3.28 ng/ul	309999	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	50
2			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	49
3			Pentalene, octahydro-	110	C8H14	000694-72-4	49
4			4-Penten-1-ol, 3-methyl-	100	C6H12O	051174-44-8	47
5			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
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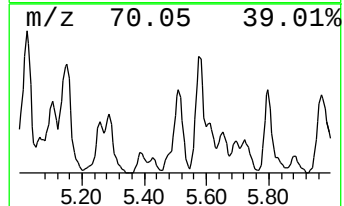
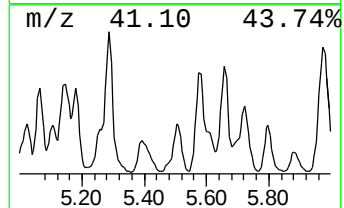
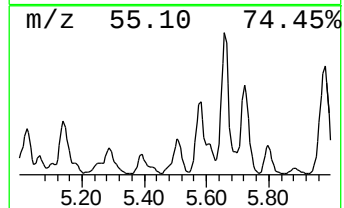
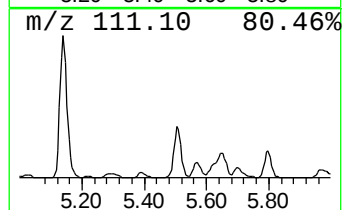
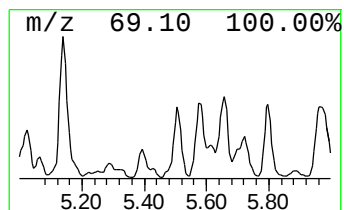
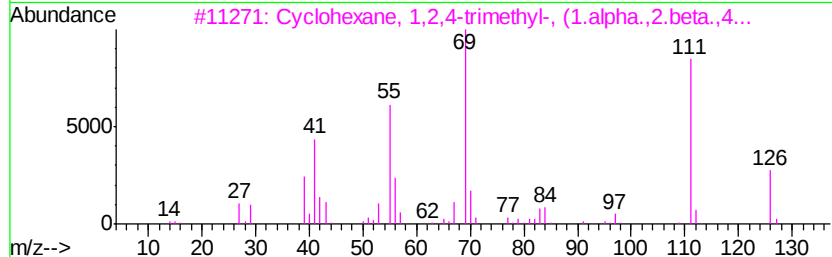
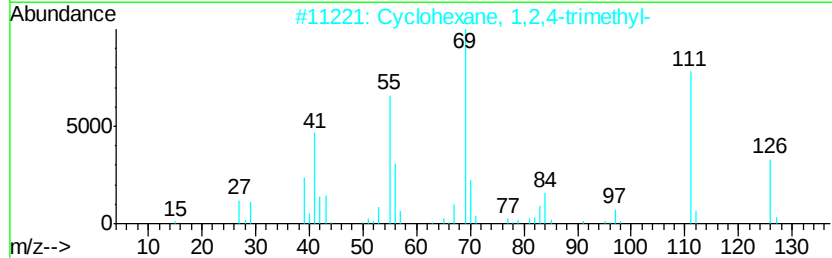
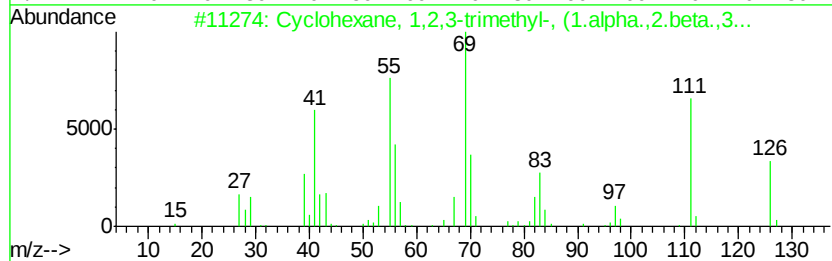
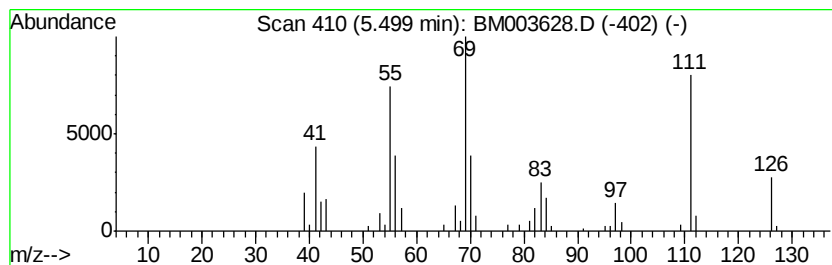
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Cyclic5.50 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	3.54 ng/ul	335277	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	96
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
3		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	76
4		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	76
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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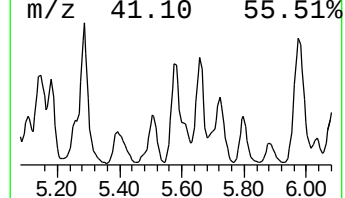
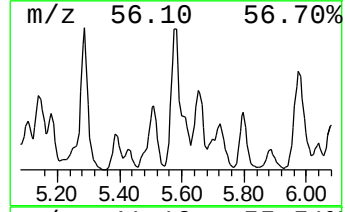
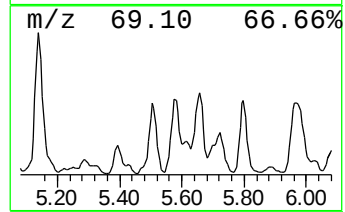
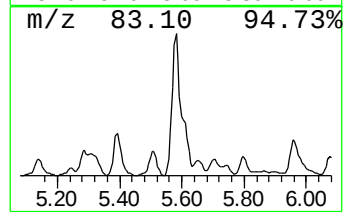
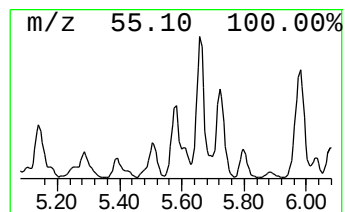
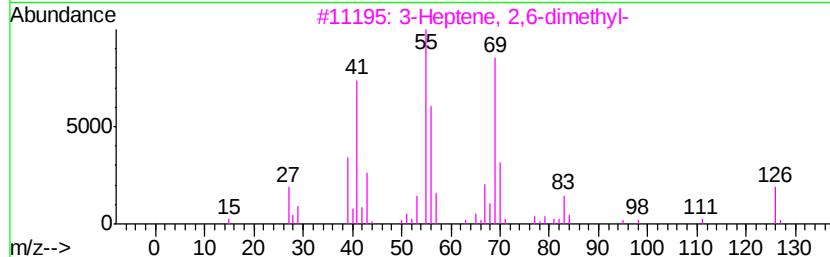
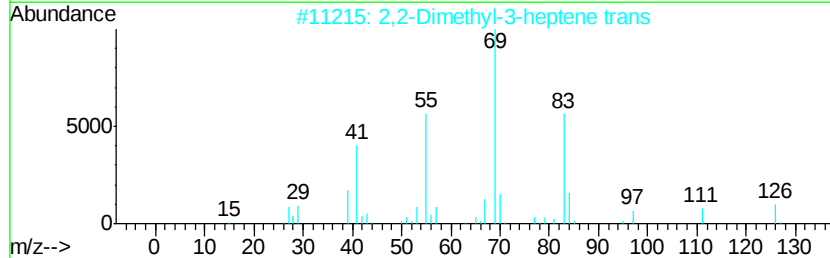
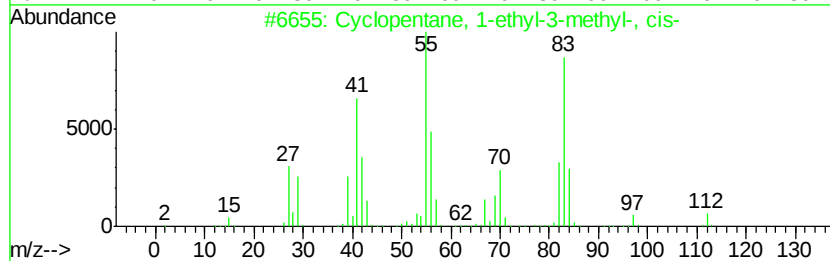
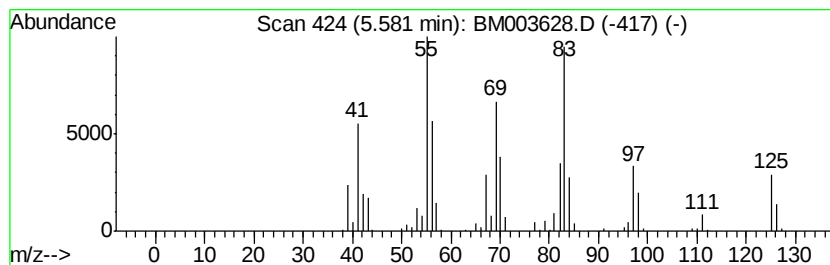
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 (DEL) Alkane: Cyclic5.58 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	6.78 ng/ul	641586	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	76
2			2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	43
3			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	35
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	35
5			Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

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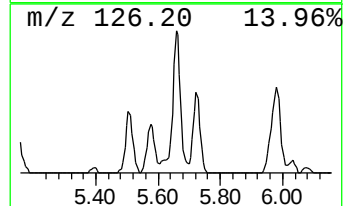
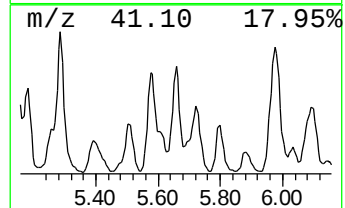
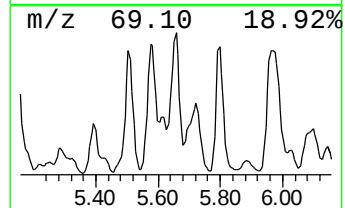
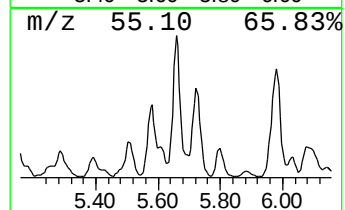
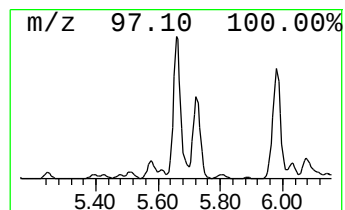
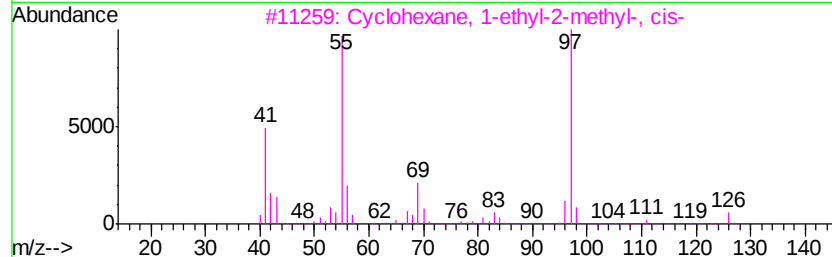
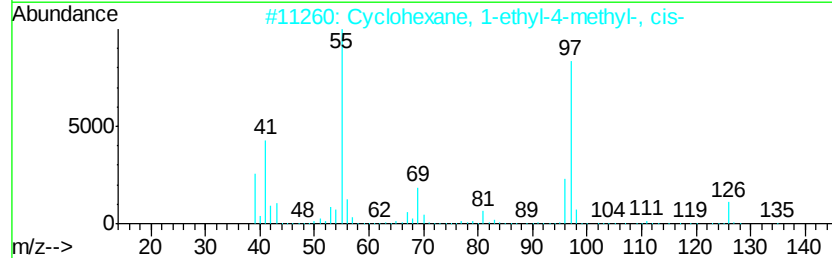
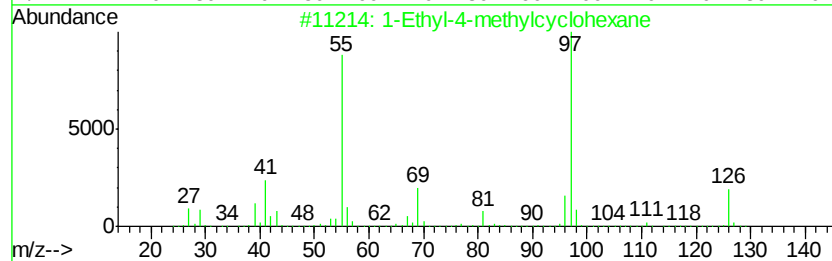
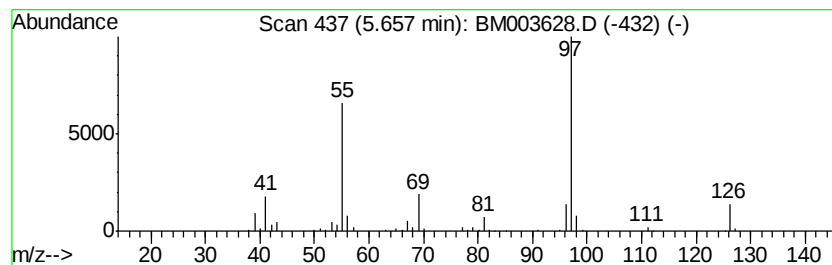
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Cyclic5.66 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	5.83 ng/ul	551194	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	83
4		4-Octen-3-one	126	C8H14O	014129-48-7	72
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	70



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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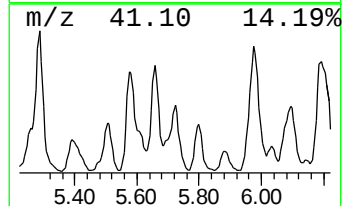
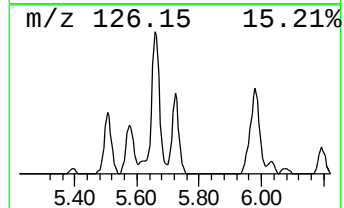
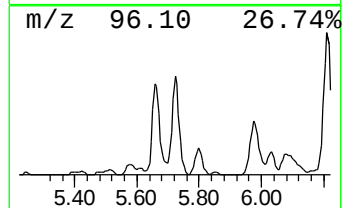
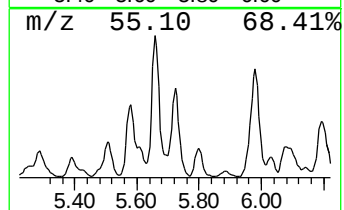
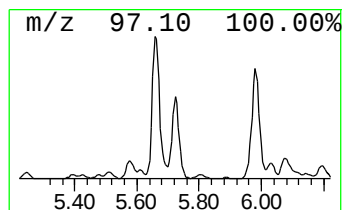
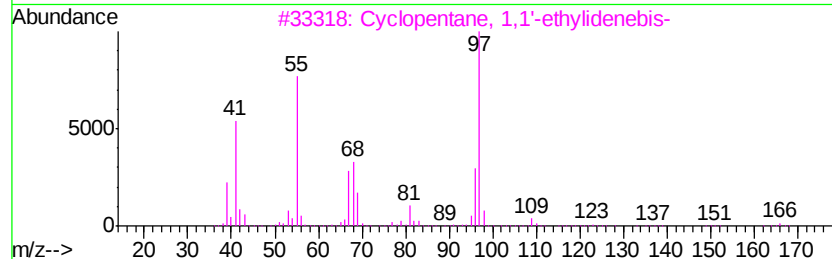
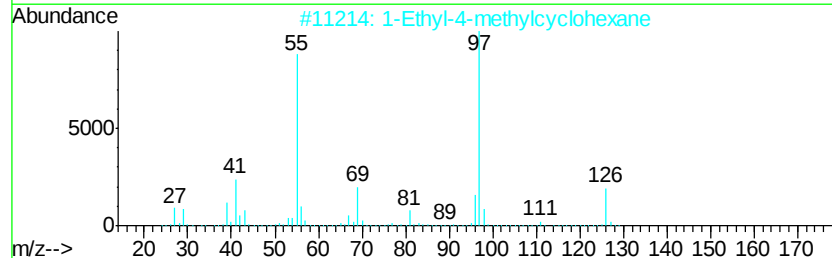
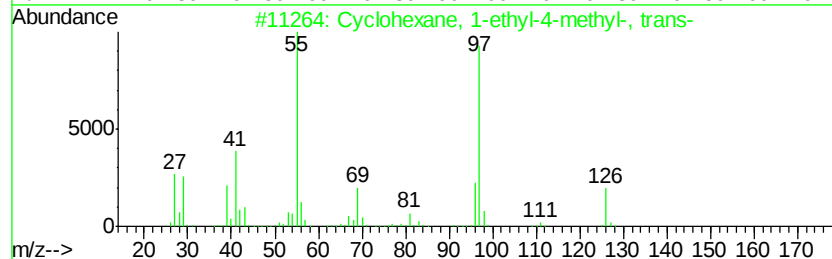
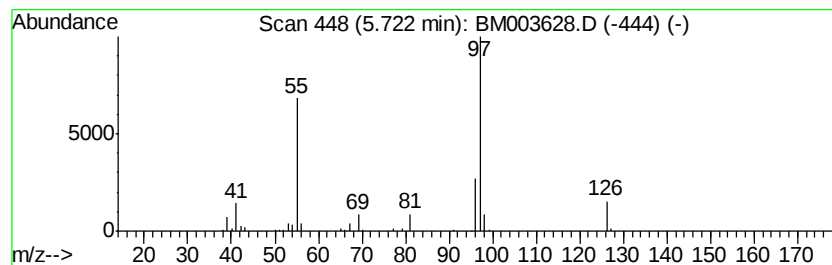
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Cyclic5.72 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	4.88 ng/ul	461492	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
3		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	72
4		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	72
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
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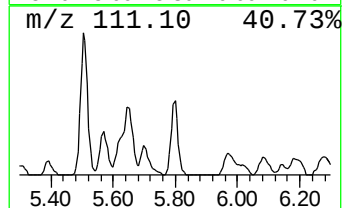
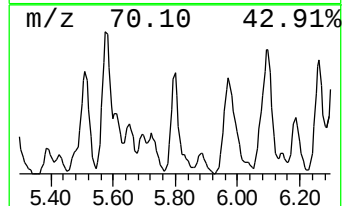
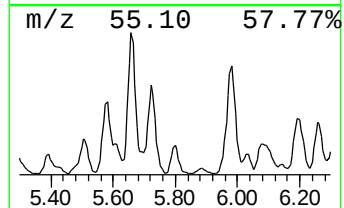
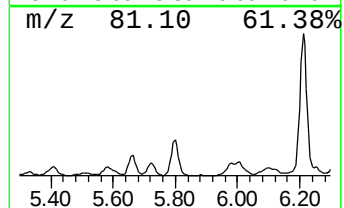
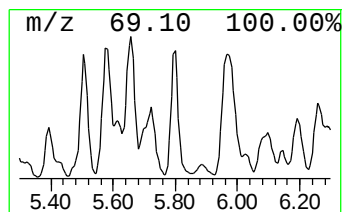
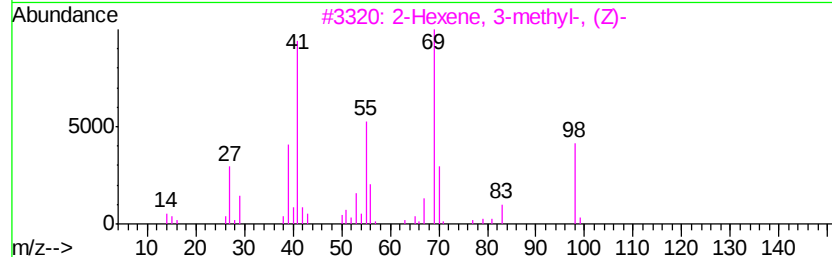
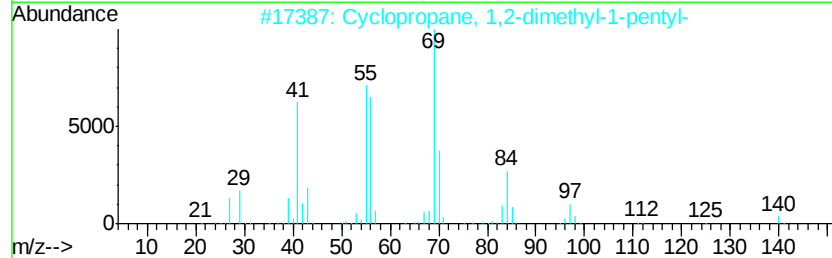
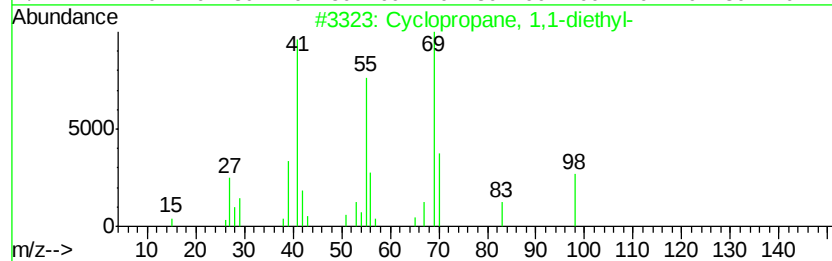
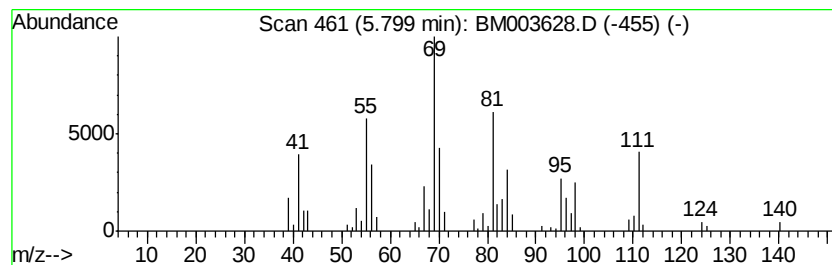
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 (DEL) Alkane: Cyclic5.80 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	3.49 ng/ul	330436	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	49
2		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
3		2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	43
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
5		2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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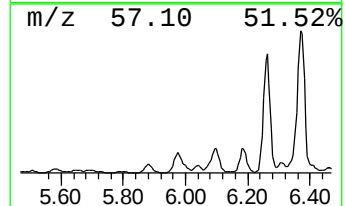
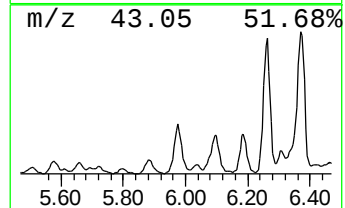
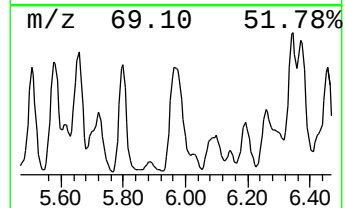
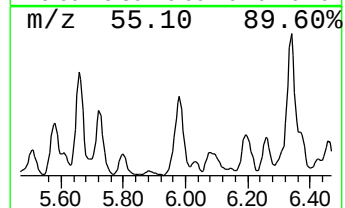
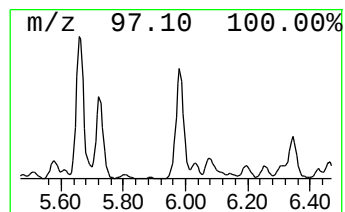
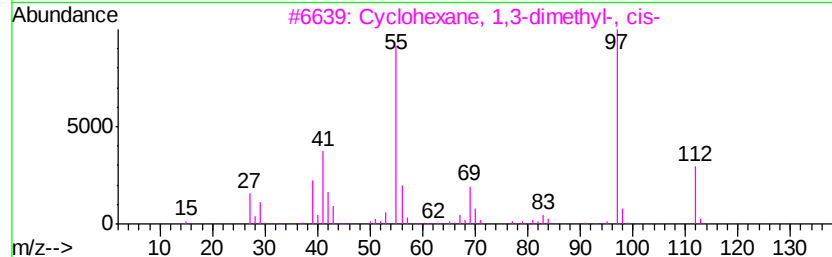
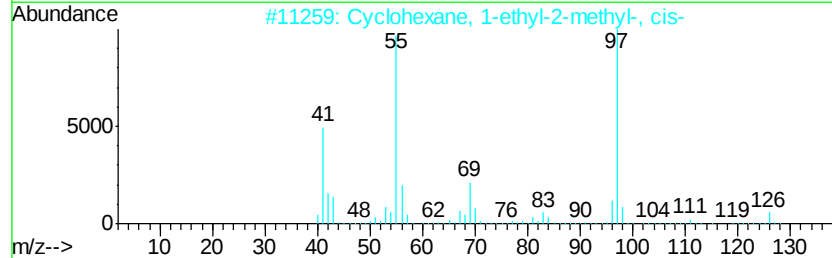
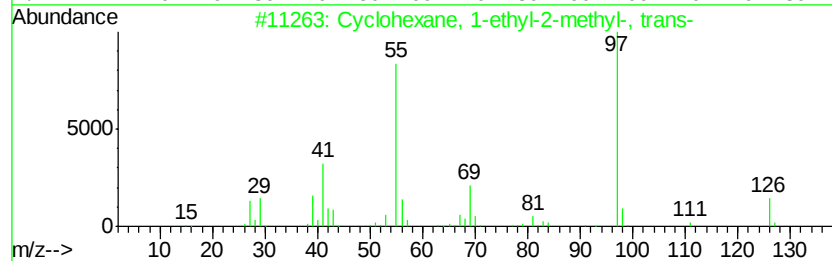
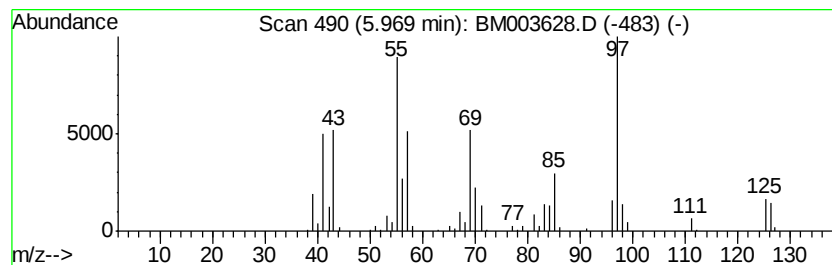
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Cyclic5.97 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	10.56 ng/ul	999087	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	58
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	53
4		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	52
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
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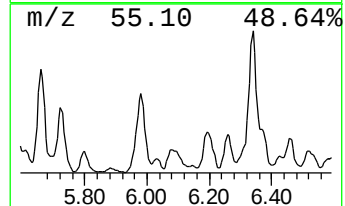
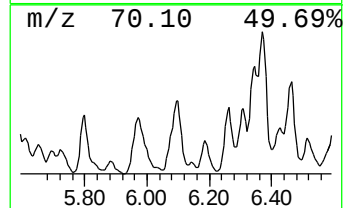
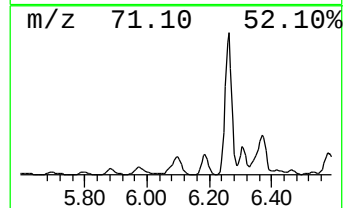
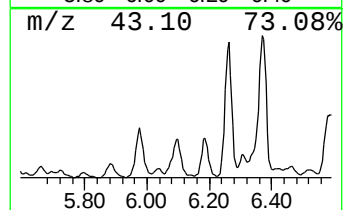
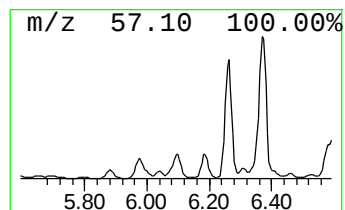
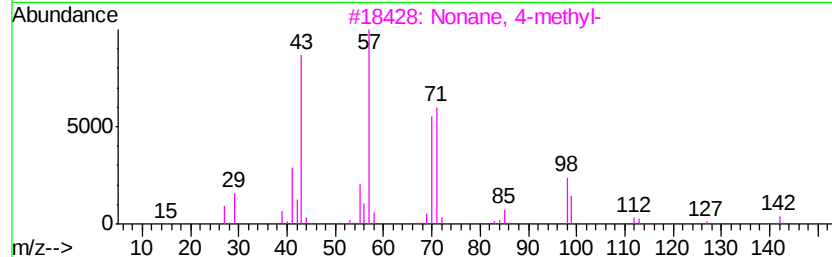
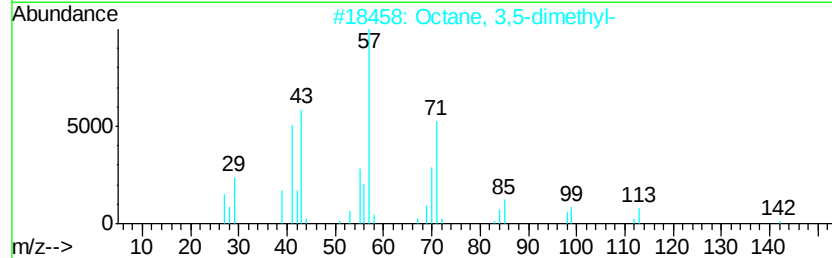
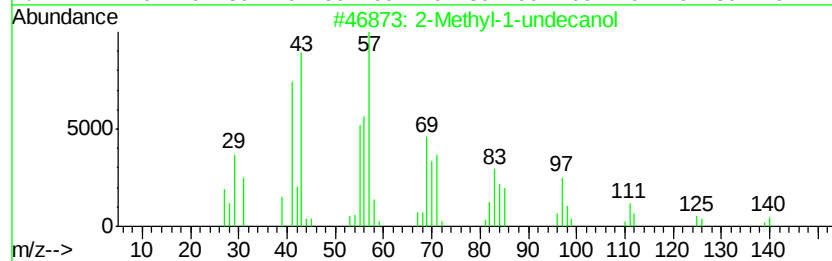
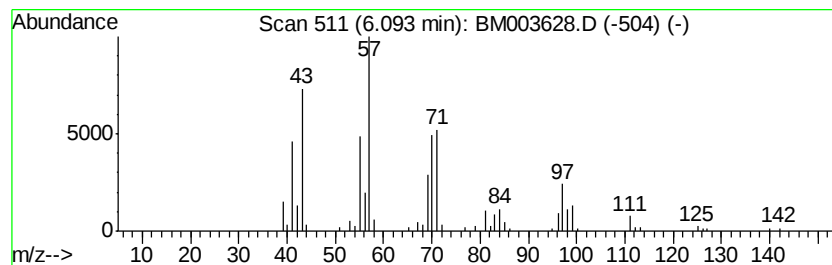
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 2-Methyl-1-undecanol Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	4.43 ng/ul	419370	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyl-1-undecanol	186	C12H26O	010522-26-6	59
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58
3		Nonane, 4-methyl-	142	C10H22	017301-94-9	53
4		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53
5		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	52



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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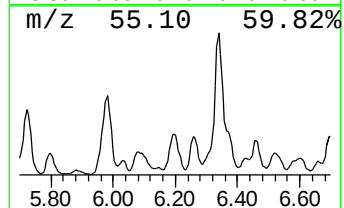
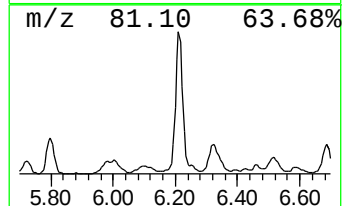
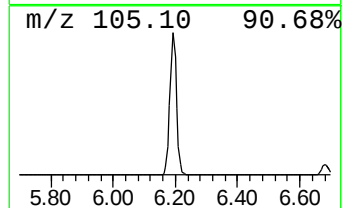
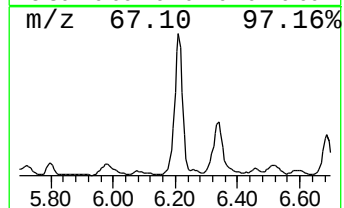
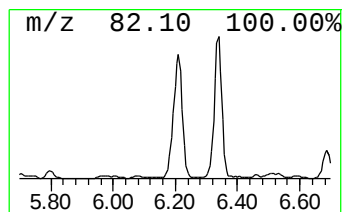
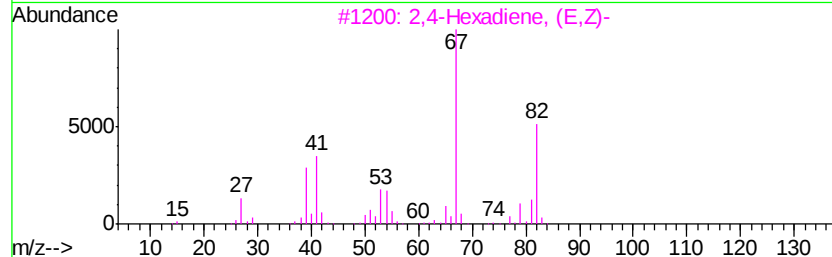
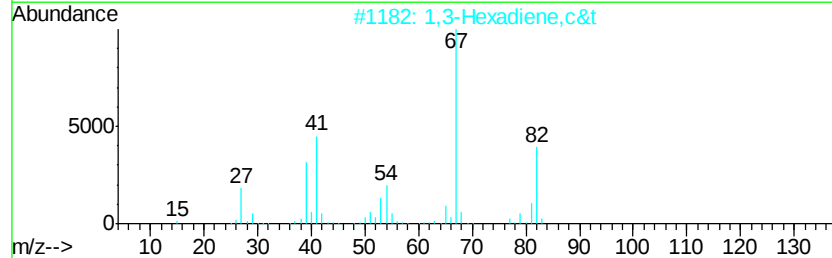
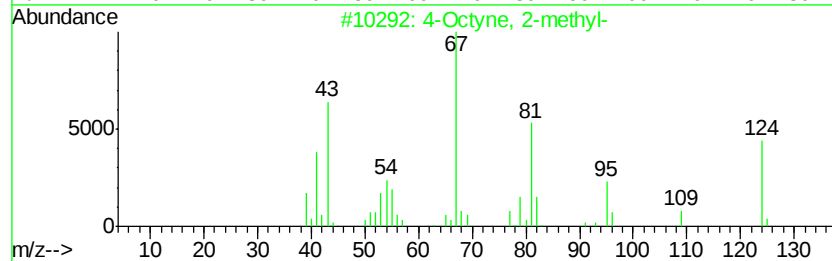
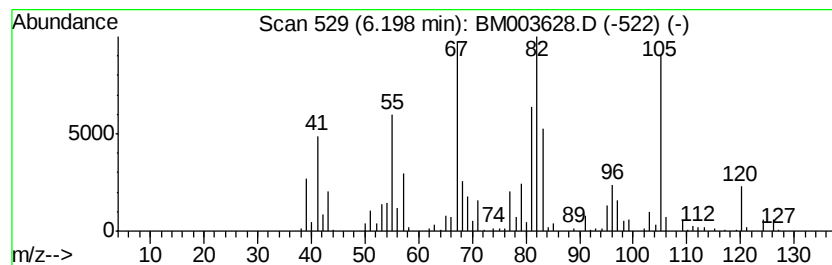
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Branched6.20 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	13.00 ng/ul	1229890	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	45
2		1,3-Hexadiene,c&t	82	C6H10	000592-48-3	43
3		2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	43
4		Heptanoic acid, 3-hexenyl ester,...	212	C13H24O2	061444-39-1	38
5		1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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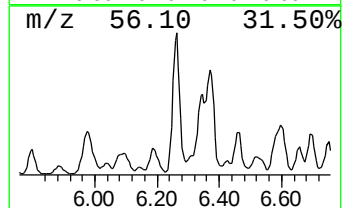
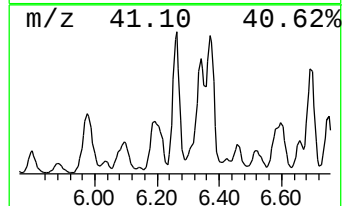
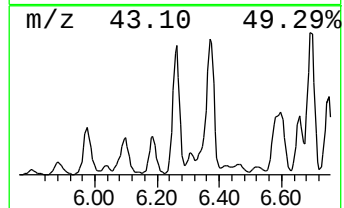
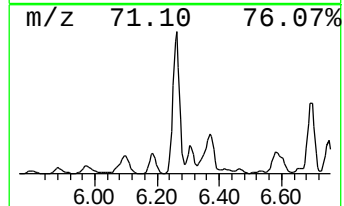
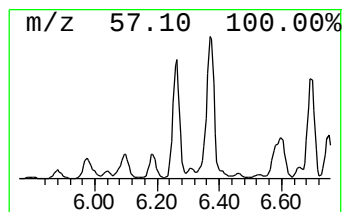
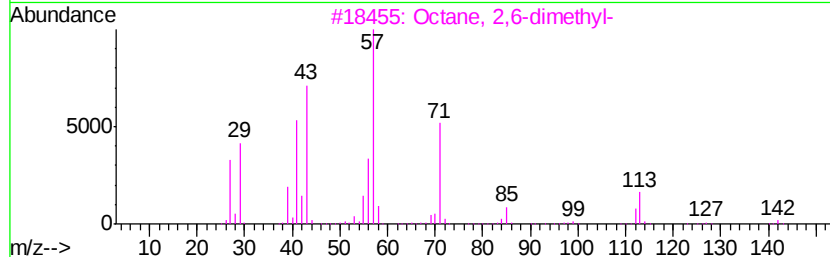
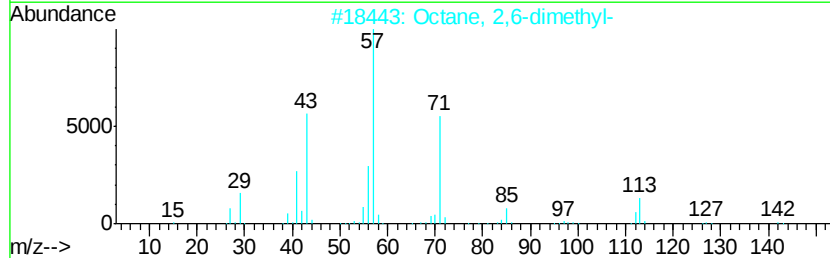
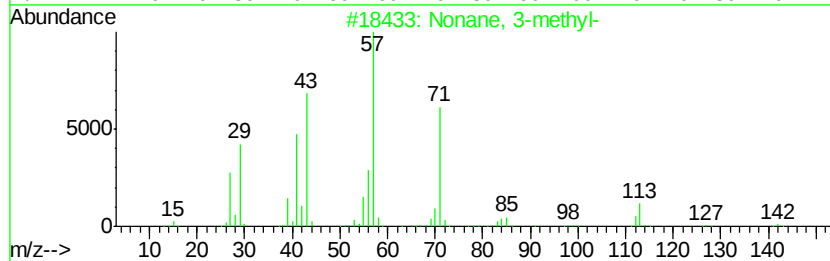
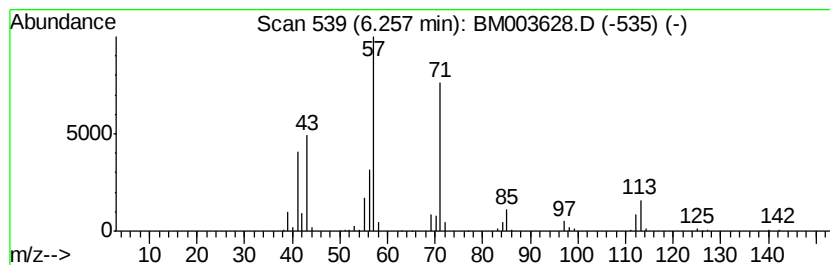
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	10.87 ng/ul	1028670	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	90
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampled :
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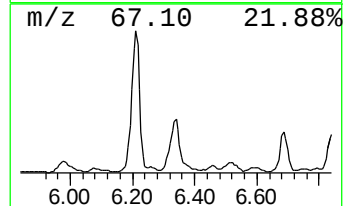
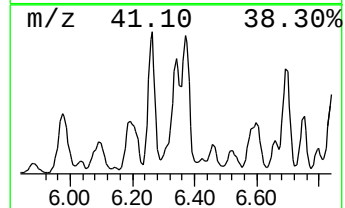
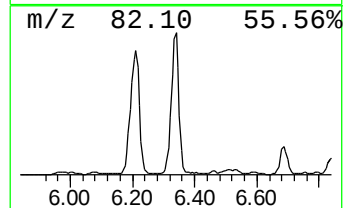
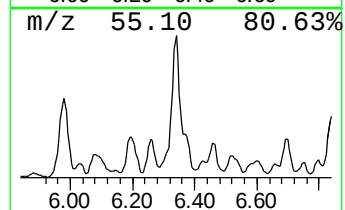
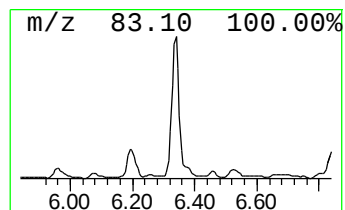
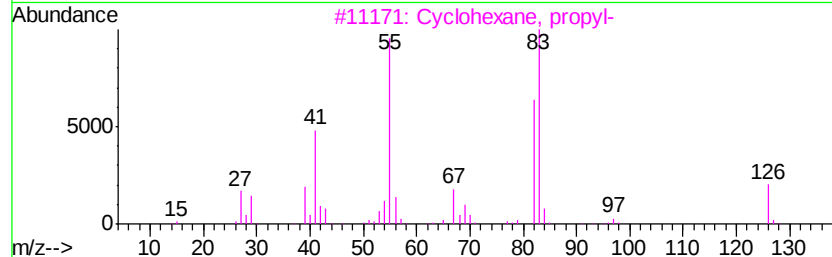
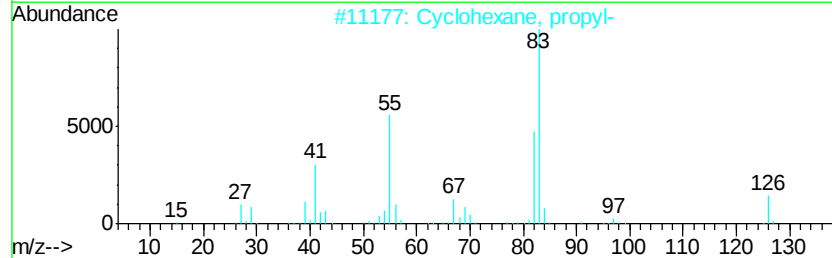
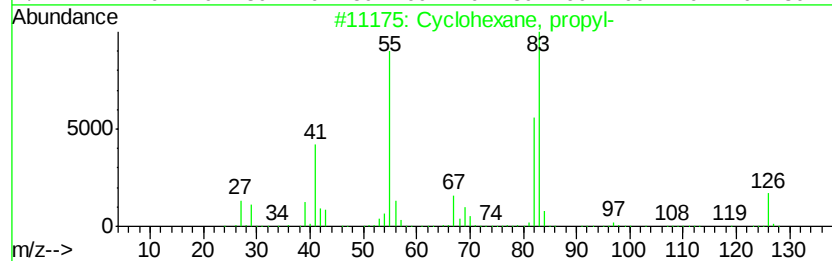
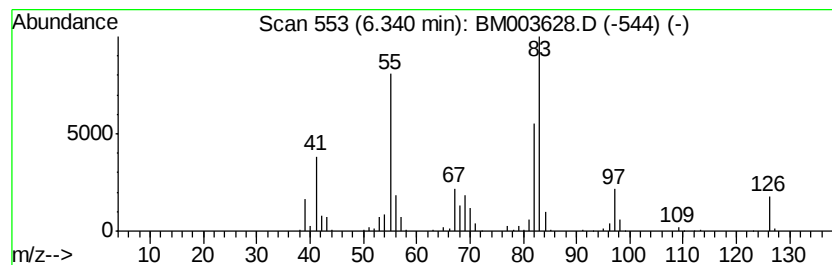
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Cyclic6.34 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	14.82 ng/ul	1402390	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
G9C69

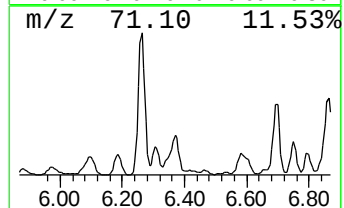
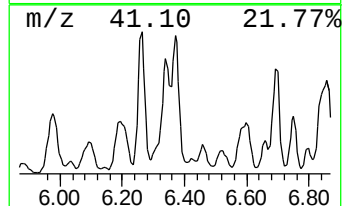
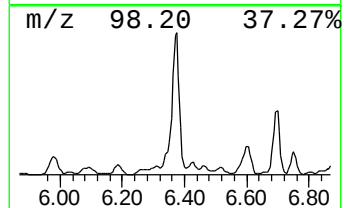
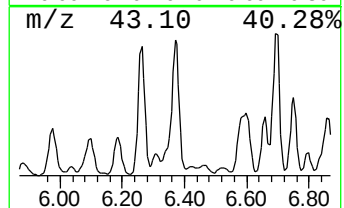
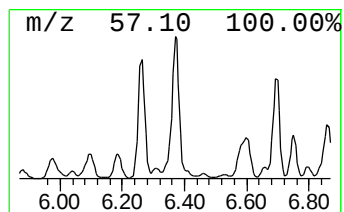
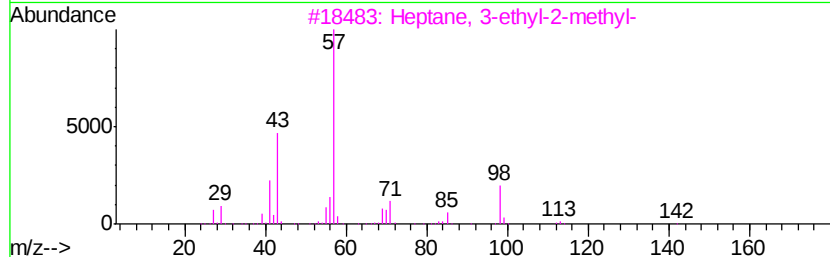
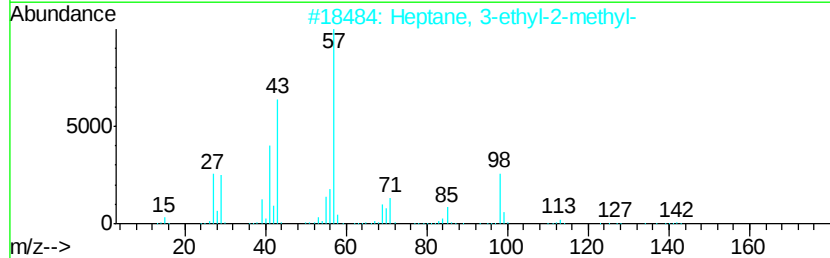
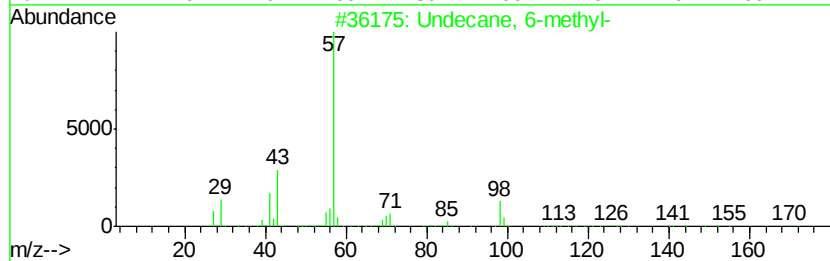
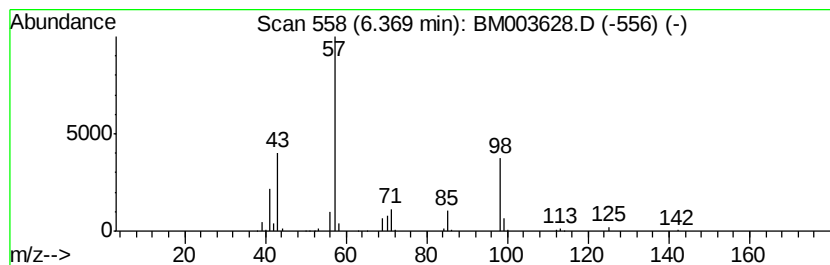
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	10.27 ng/ul	971999	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
4		Undecane, 6-methyl-	170	C12H26	017302-33-9	53
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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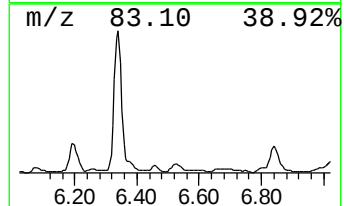
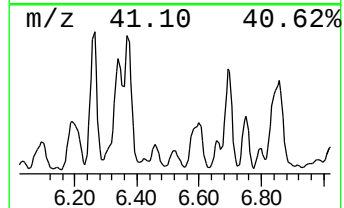
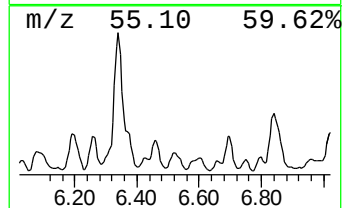
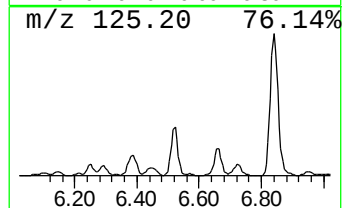
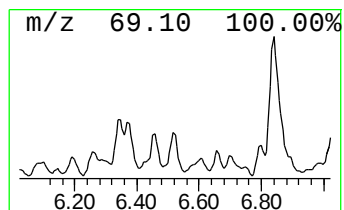
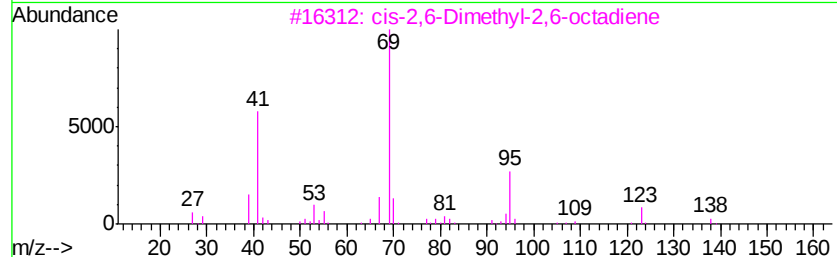
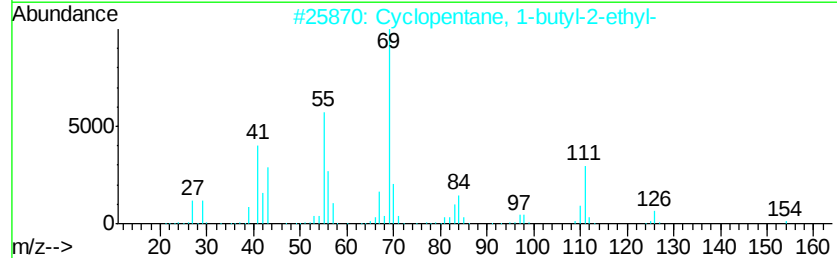
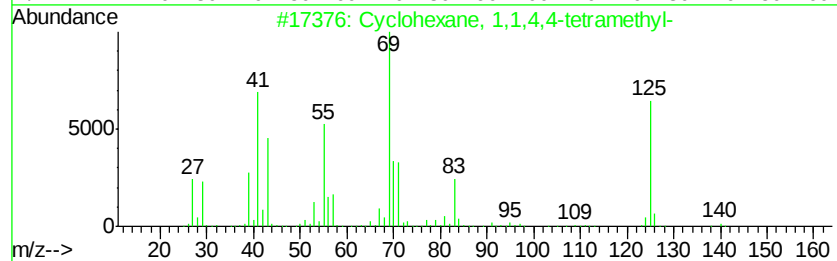
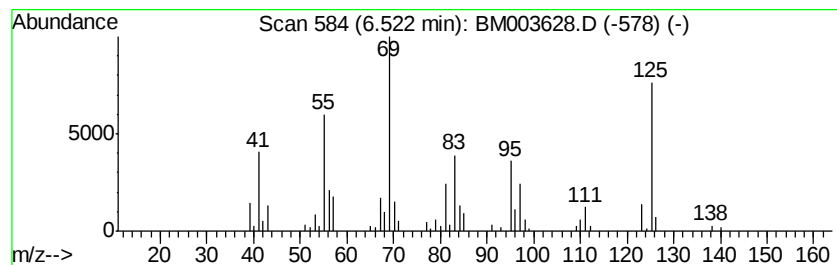
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Cyclic6.52 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	3.07 ng/ul	290755	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	52
2			Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	43
3			cis-2,6-Dimethyl-2,6-octadiene	138	C10H18	002492-22-0	43
4			1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	38
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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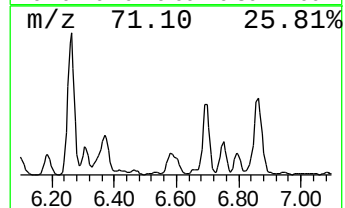
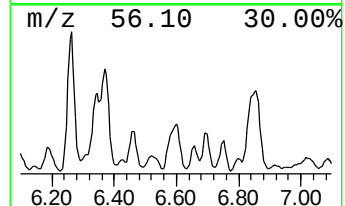
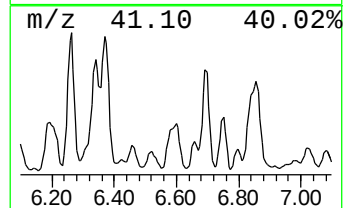
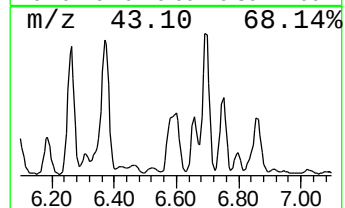
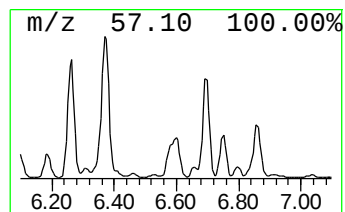
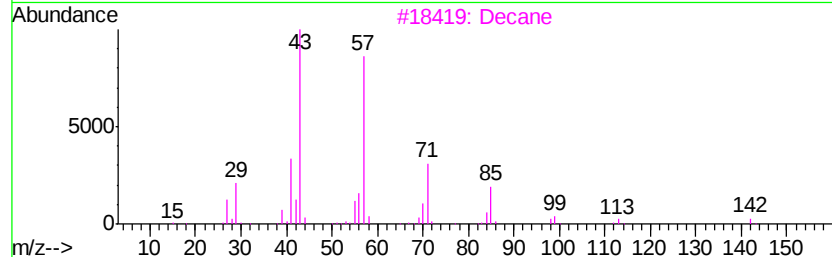
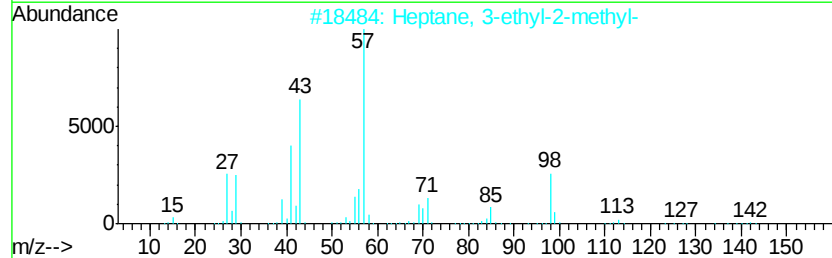
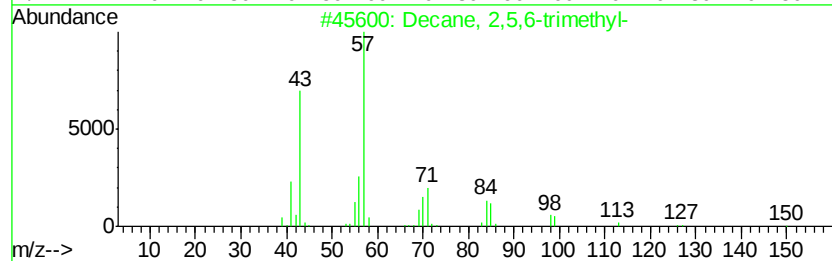
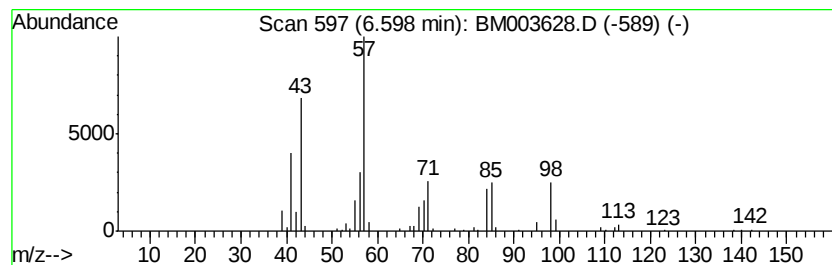
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	7.02 ng/ul	664319	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	58
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	49
3		Decane	142	C10H22	000124-18-5	47
4		Decane	142	C10H22	000124-18-5	47
5		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

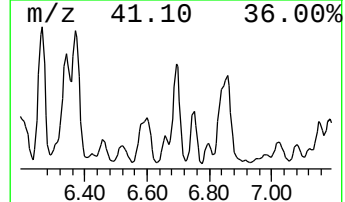
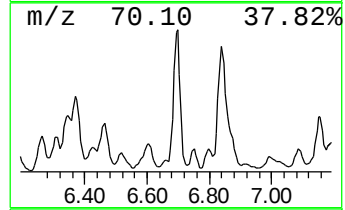
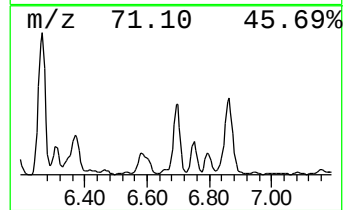
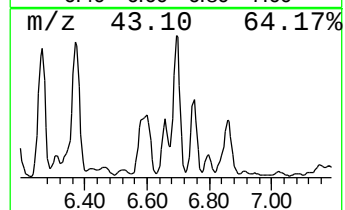
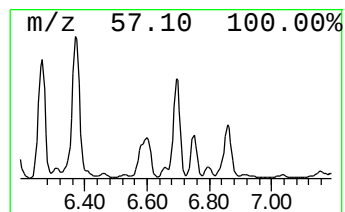
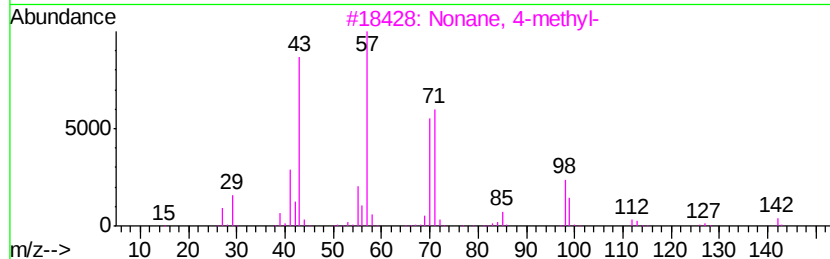
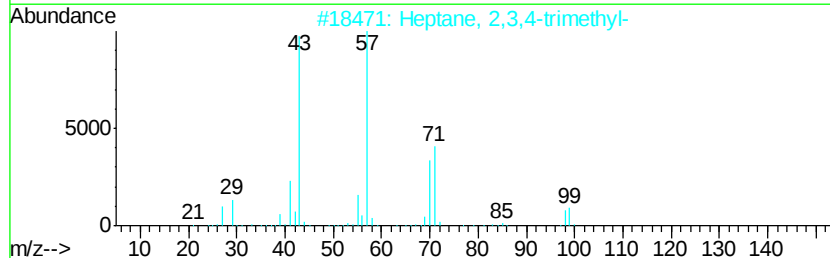
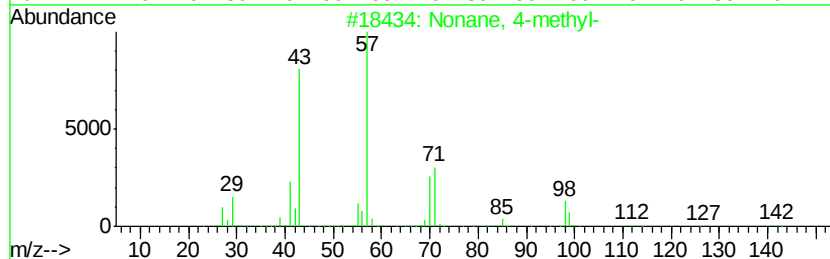
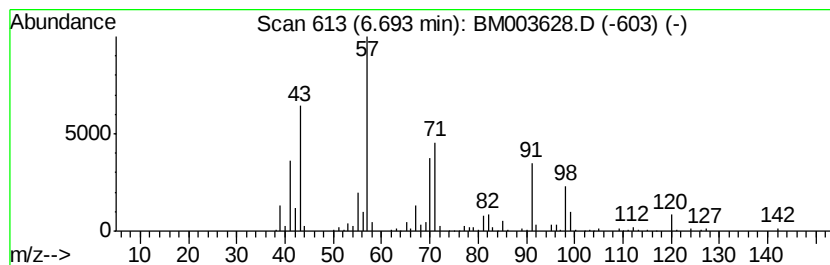
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	16.94 ng/ul	1602420	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	76
2		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53
3		Nonane, 4-methyl-	142	C10H22	017301-94-9	50
4		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50
5		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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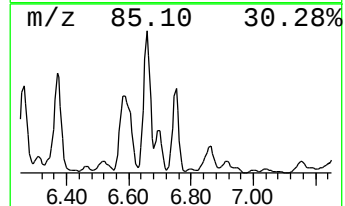
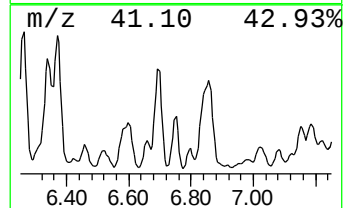
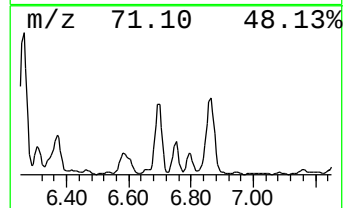
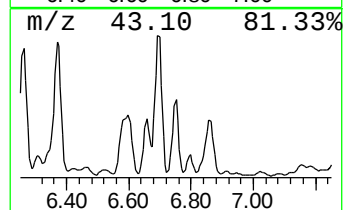
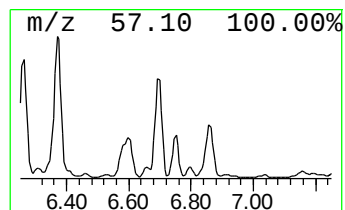
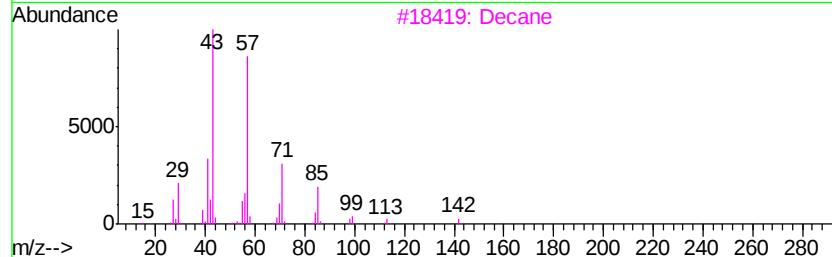
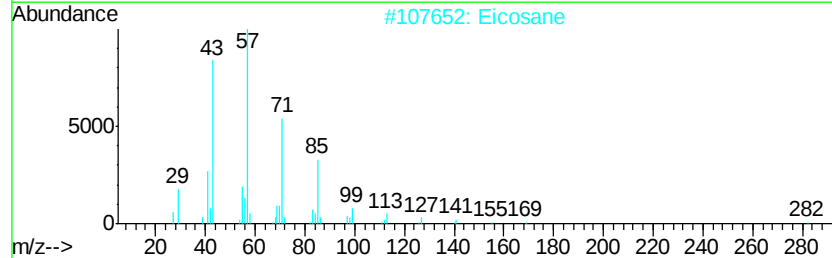
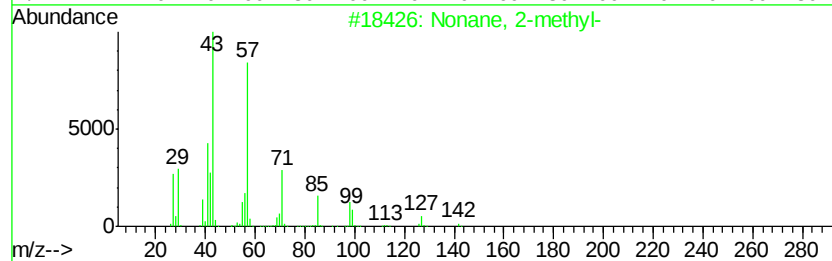
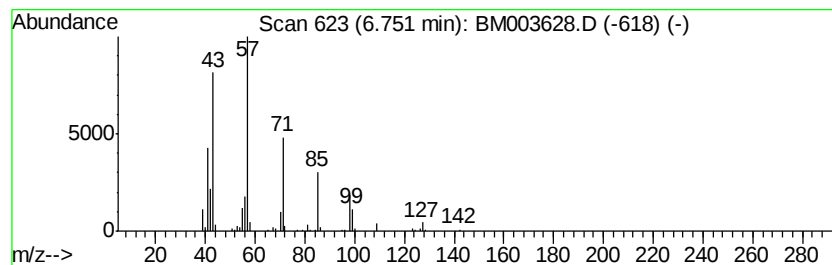
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	4.16 ng/ul	393342	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2-methyl-	142	C10H22	000871-83-0	95
2			Eicosane	282	C20H42	000112-95-8	64
3			Decane	142	C10H22	000124-18-5	59
4			Nonane, 2-methyl-	142	C10H22	000871-83-0	58
5			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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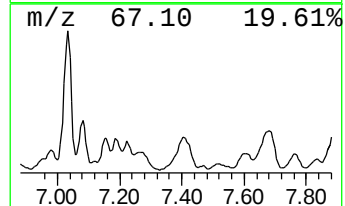
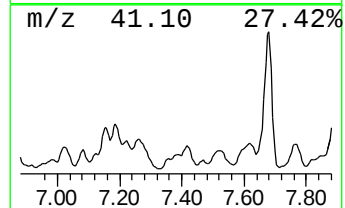
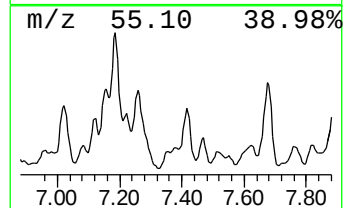
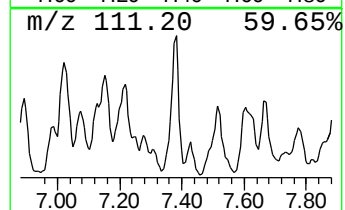
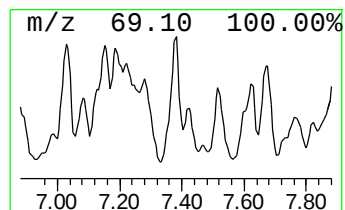
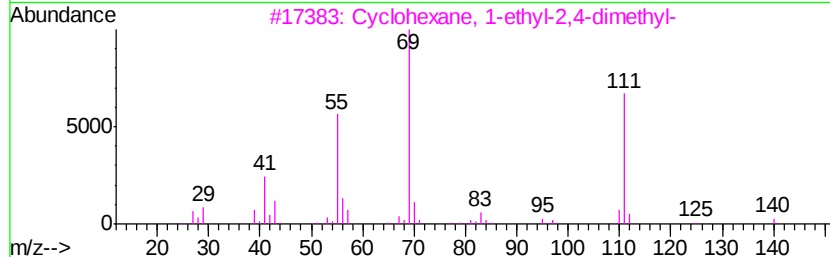
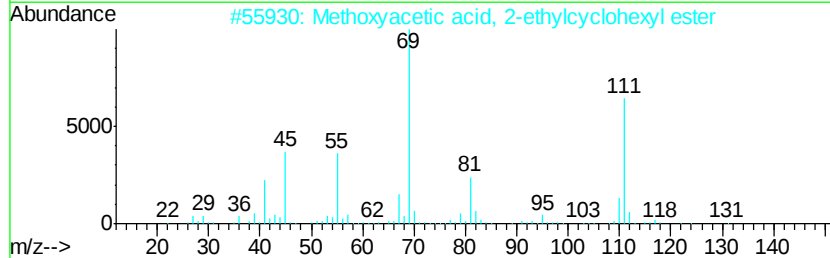
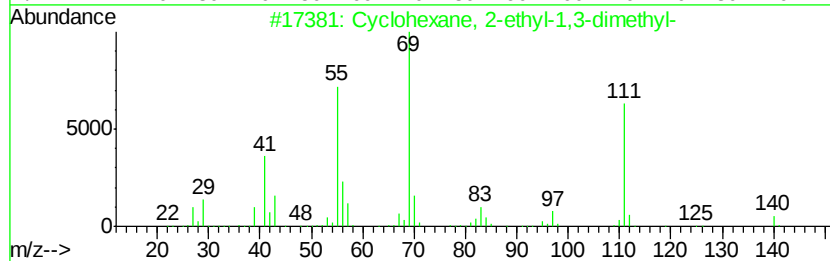
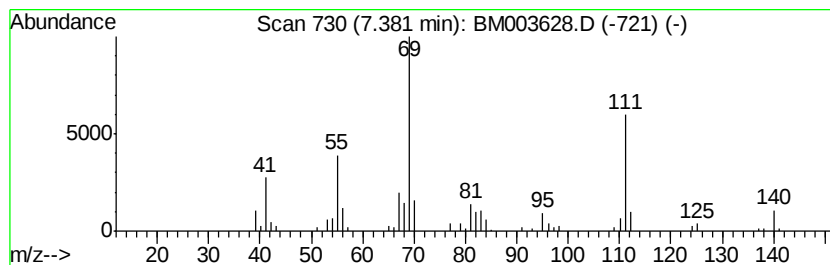
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 (DEL) Alkane: Cyclic7.38 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	3.32 ng/ul	313653	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	74
2			Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	72
3			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53
4			Cyclooctane, butyl-	168	C12H24	016538-93-5	53
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampled :
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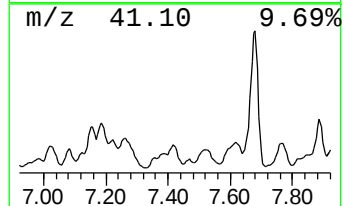
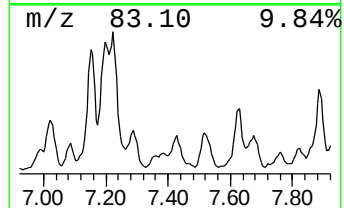
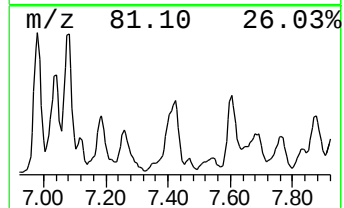
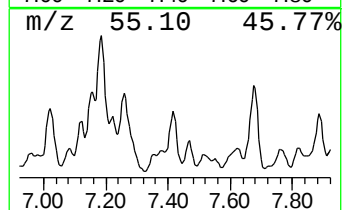
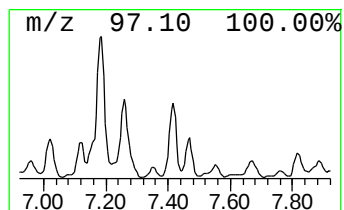
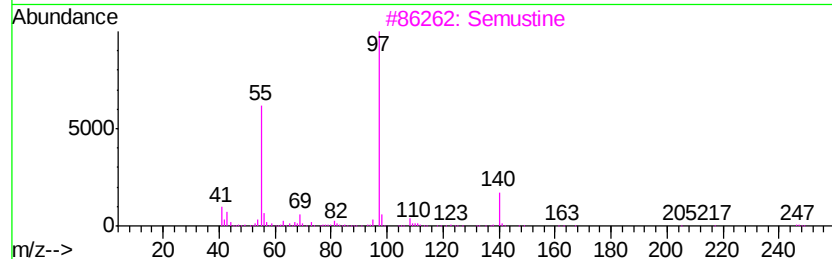
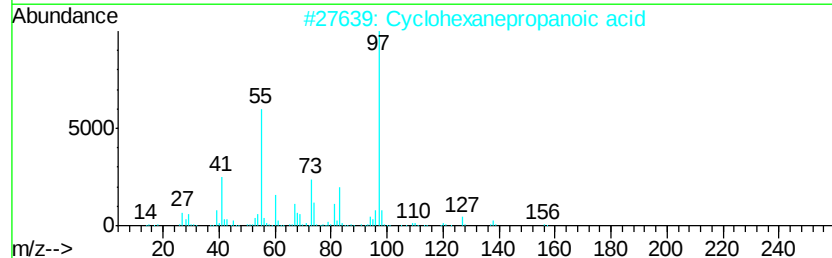
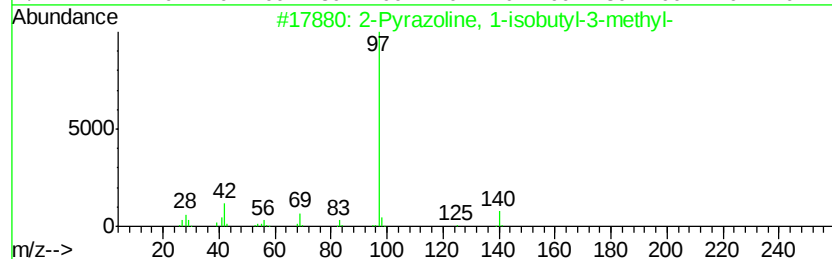
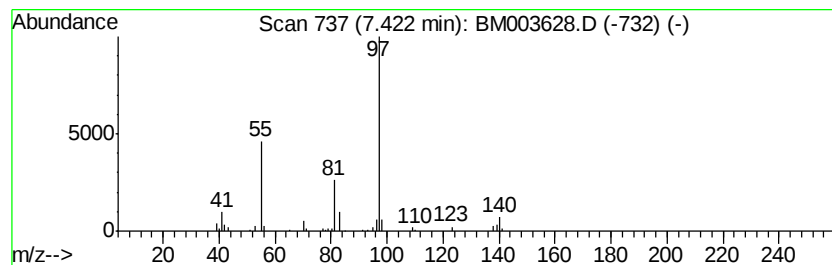
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 2-Pyrazoline, 1-isobutyl-3-... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	4.13 ng/ul	390739	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pyrazoline, 1-isobutyl-3-methyl-	140	C8H16N2	026964-53-4	64
2			Cyclohexanepropanoic acid	156	C9H16O2	000701-97-3	40
3			Semustine	247	C10H18ClN3O2	013909-09-6	39
4			Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	9
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	9



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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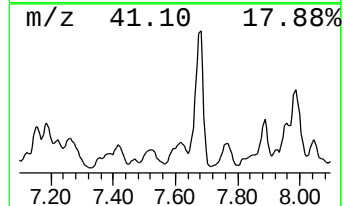
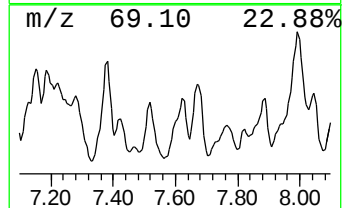
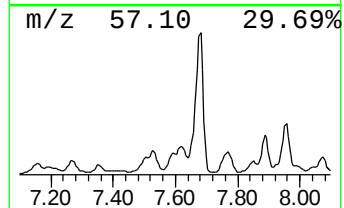
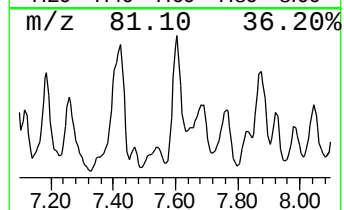
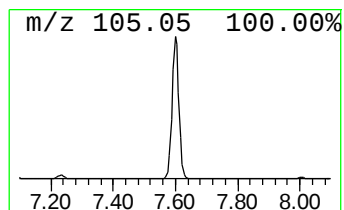
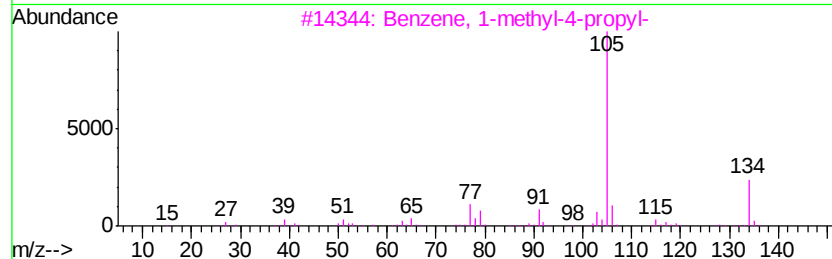
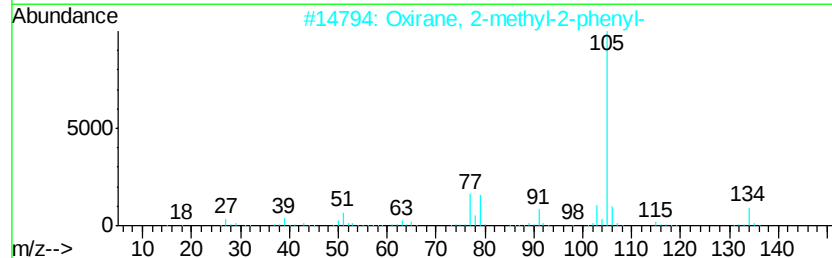
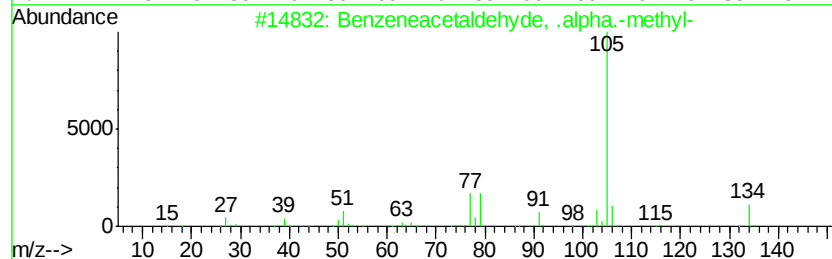
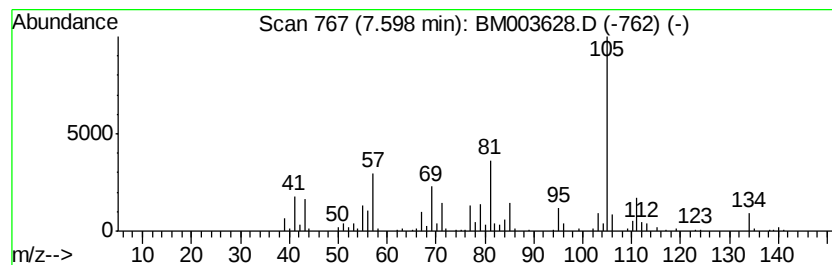
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 unknown-01 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	6.19 ng/ul	585734	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	30
2		Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	30
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	27
4		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	27
5		2-Phenyl-oxetane	134	C9H10O	1000145-26-5	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
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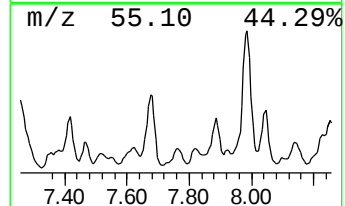
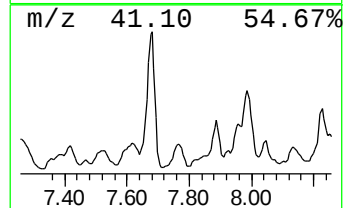
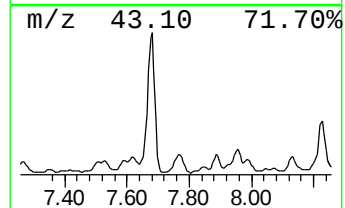
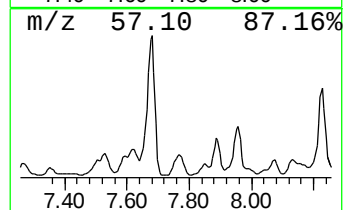
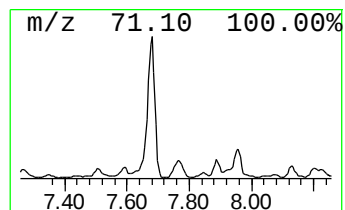
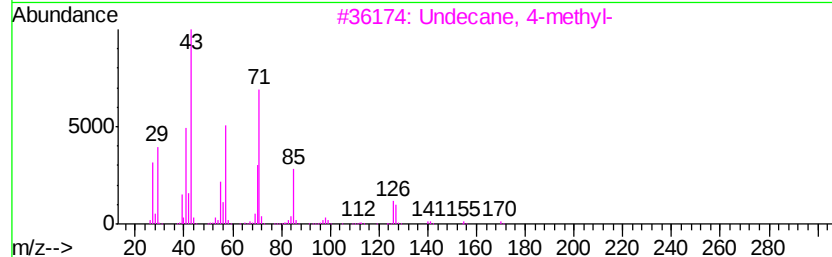
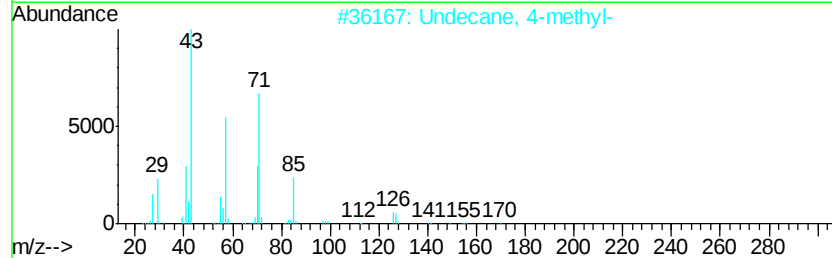
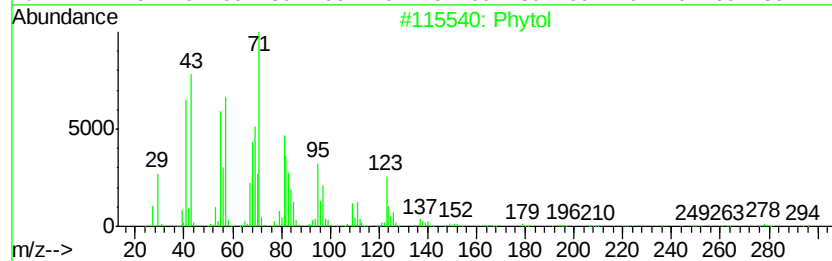
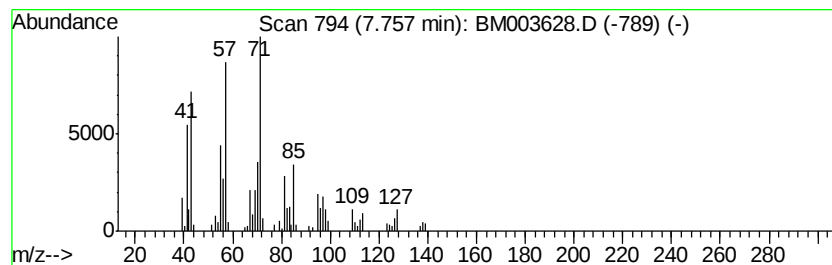
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Phytol Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	3.90 ng/ul	369256	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol			296	C20H40O	000150-86-7	64
2	Undecane, 4-methyl-			170	C12H26	002980-69-0	47
3	Undecane, 4-methyl-			170	C12H26	002980-69-0	47
4	Dodecane, 2,7,10-trimethyl-			212	C15H32	074645-98-0	47
5	Pentane, 3,3-dimethyl-			100	C7H16	000562-49-2	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

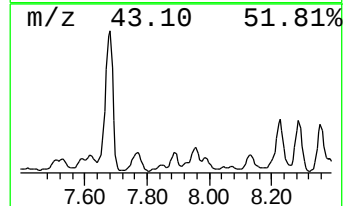
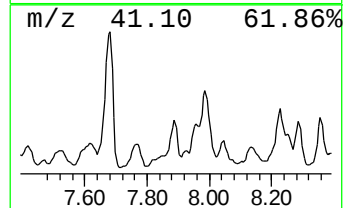
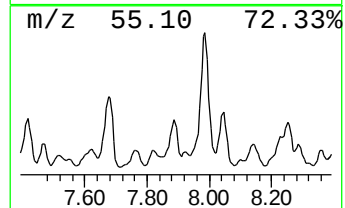
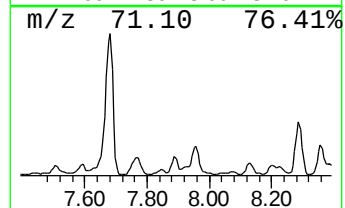
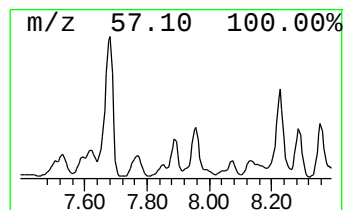
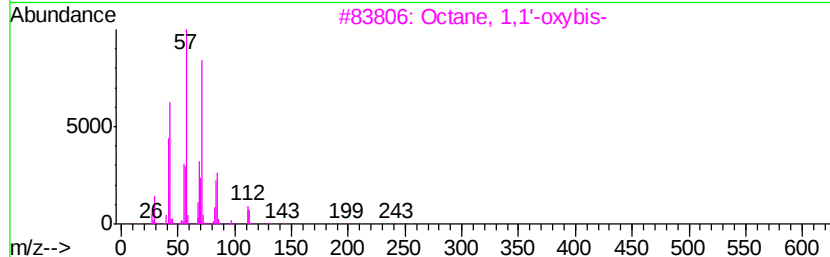
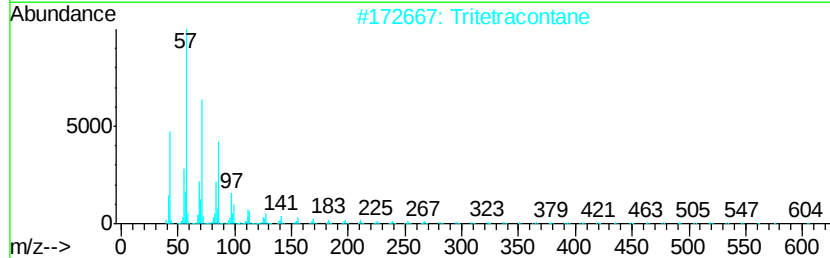
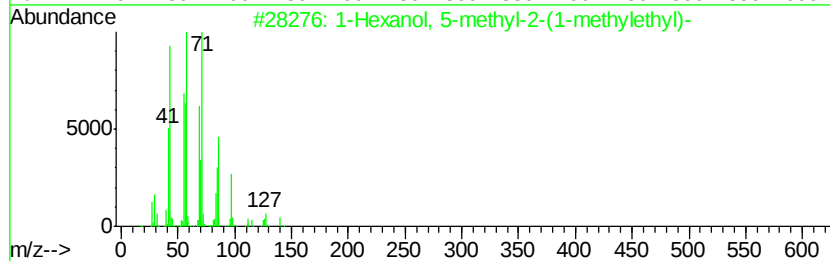
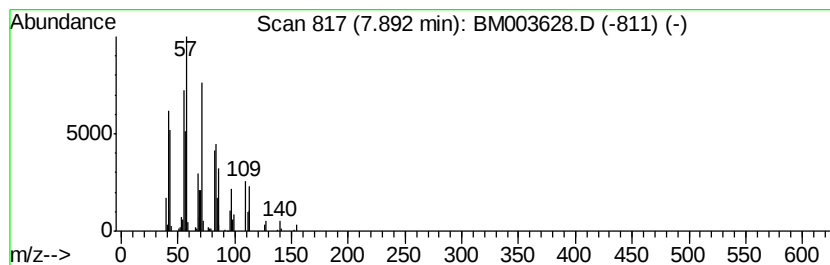
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 unknown-02 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	5.35 ng/ul	506313	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	46
2			Tritetracontane	605	C43H88	007098-21-7	38
3			Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	35
4			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	35
5			1,5,7-Octatrien-3-ol, 3,7-dimethyl-	152	C10H16O	029957-43-5	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
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ClientSampleId :
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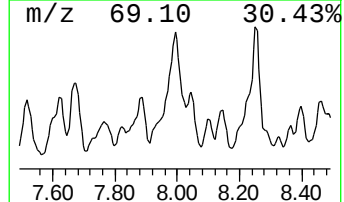
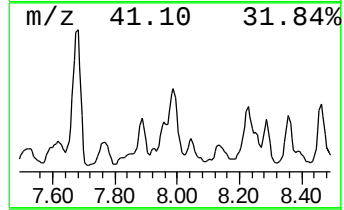
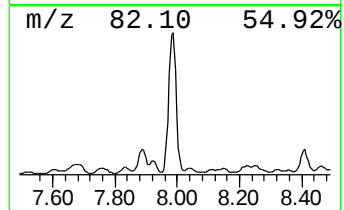
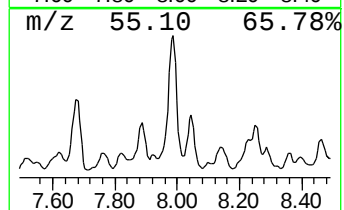
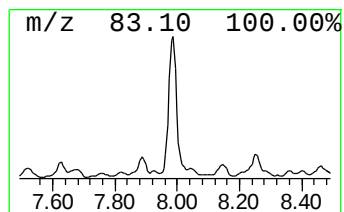
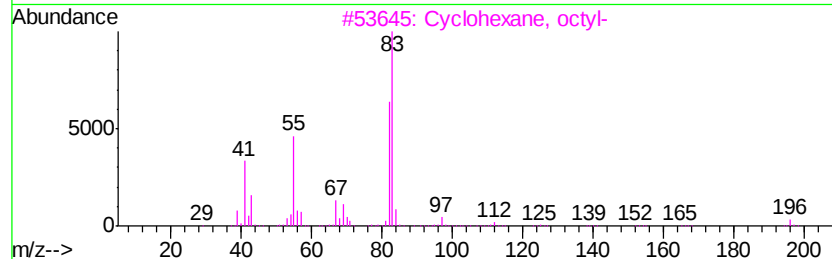
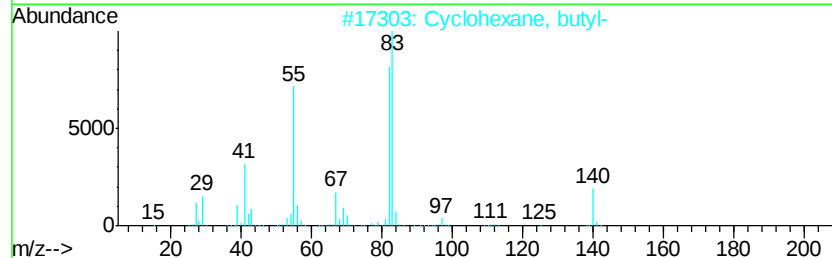
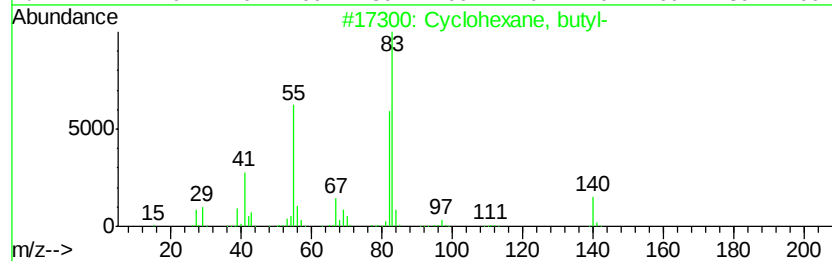
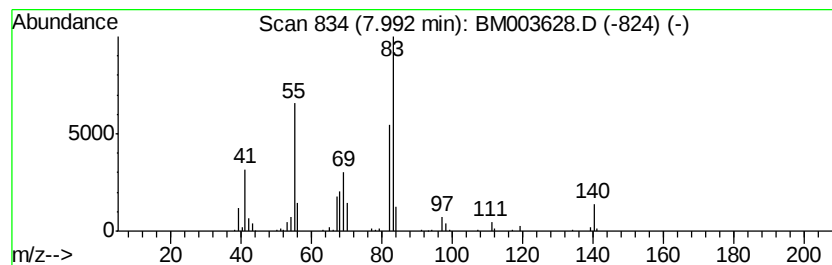
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 (DEL) Alkane: Cyclic7.99 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	13.37 ng/ul	1264540	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	78
4		Cyclohexane, decyl-	224	C16H32	001795-16-0	72
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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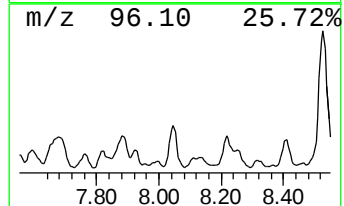
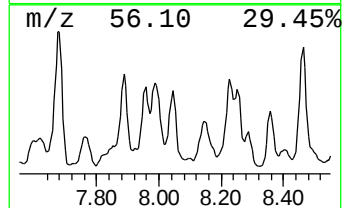
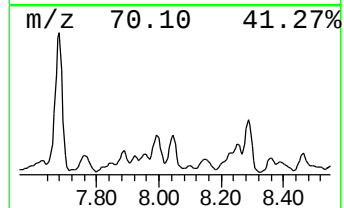
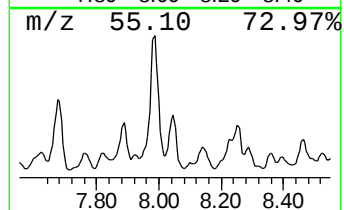
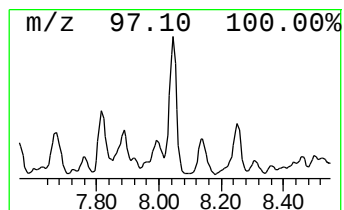
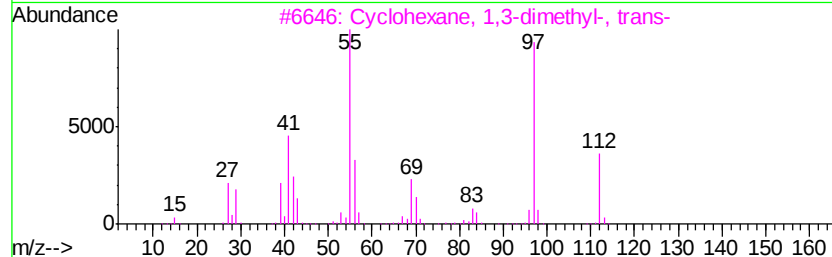
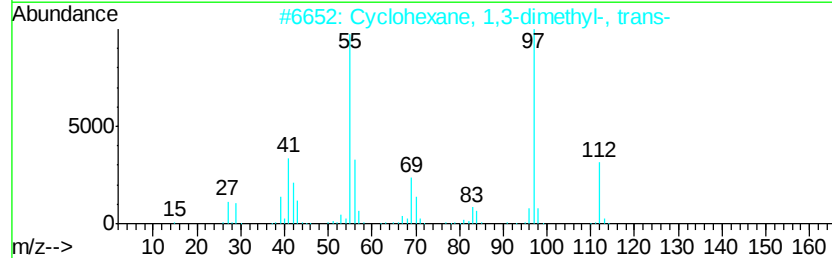
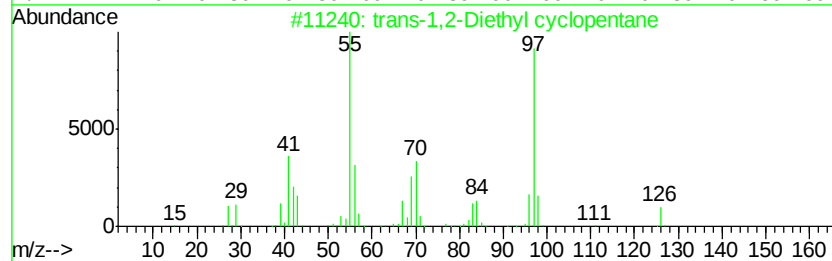
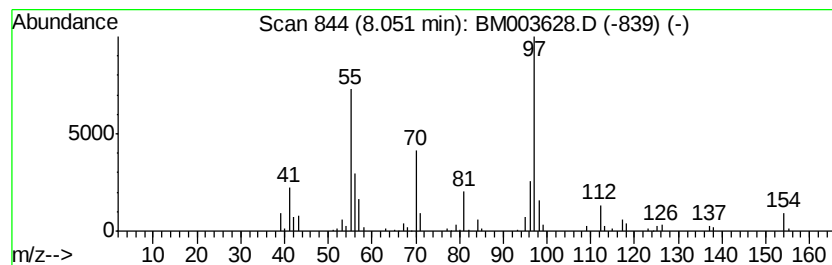
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Cyclic8.05 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	3.58 ng/ul	338529	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl	cyclopentane	126	C9H18	000932-40-1	72	
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58		
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53		
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53		
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53		



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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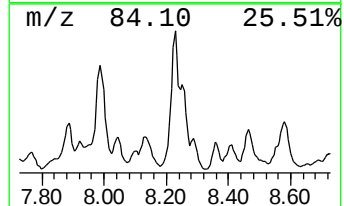
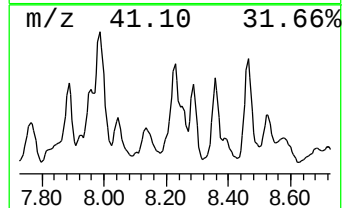
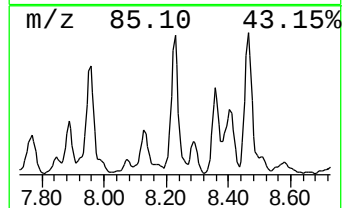
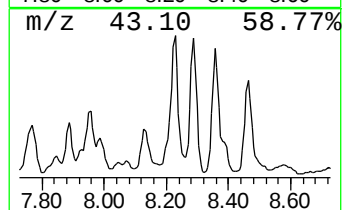
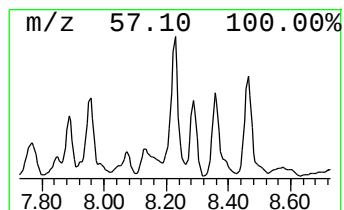
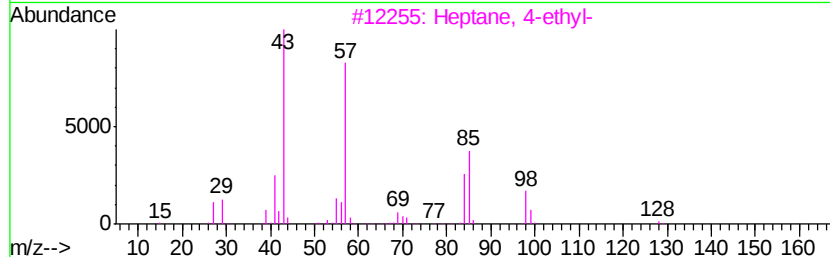
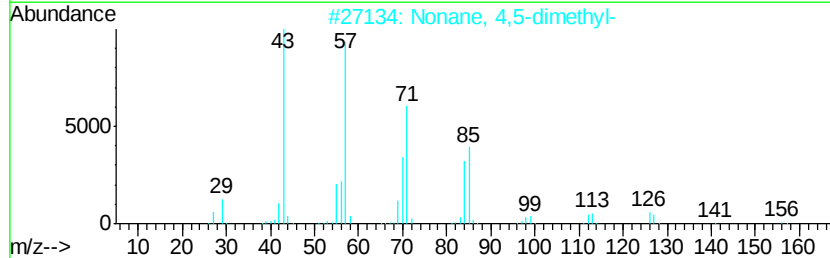
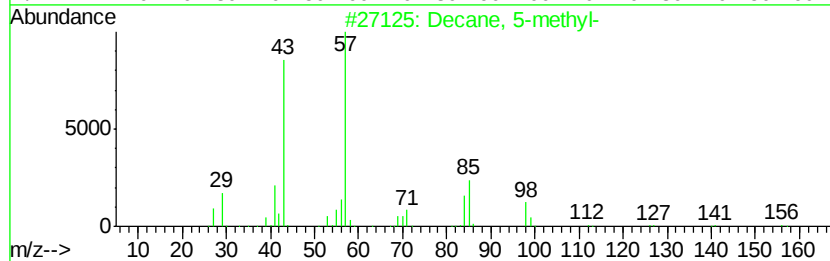
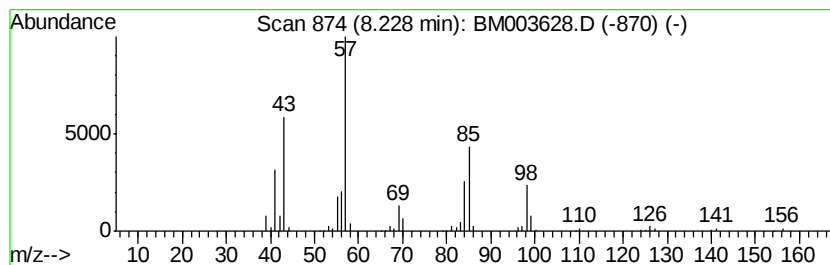
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Quant Title : SVOA CALIBRATION

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	5.63 ng/ul	533009	1,4-Dichlorobenzene-d4	7.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-		156	C11H24	013151-35-4	72
2	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	72
3	Heptane, 4-ethyl-		128	C9H20	002216-32-2	64
4	Heptane, 4-ethyl-		128	C9H20	002216-32-2	59
5	Tetradecane, 5-methyl-		212	C15H32	025117-32-2	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
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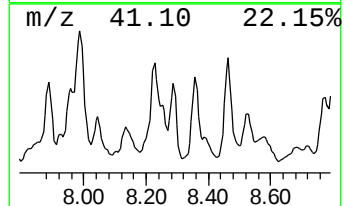
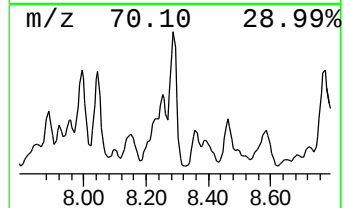
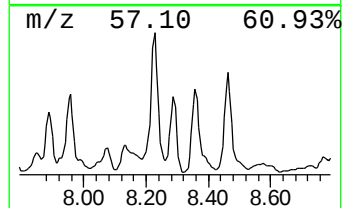
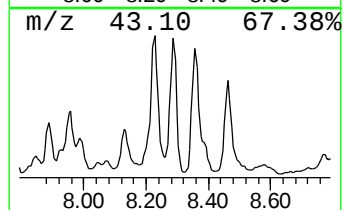
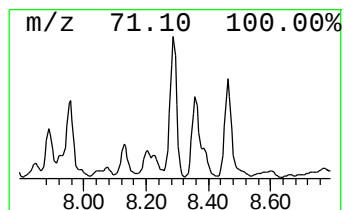
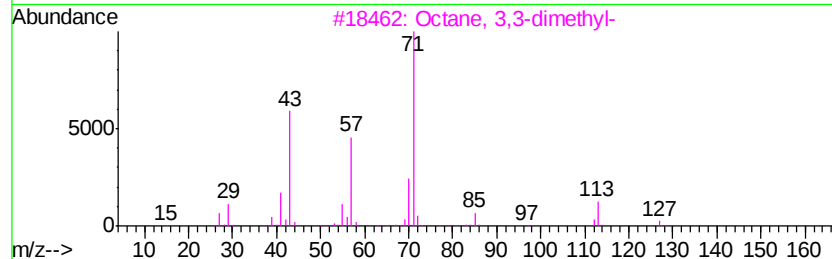
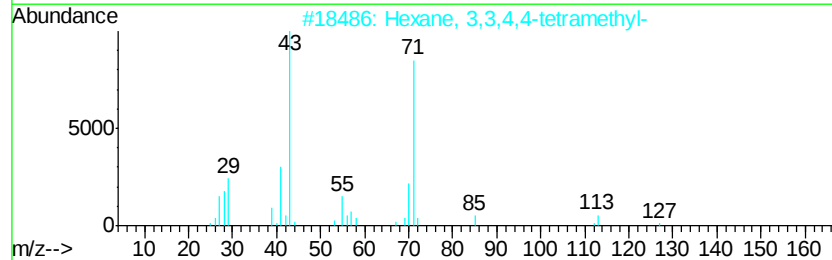
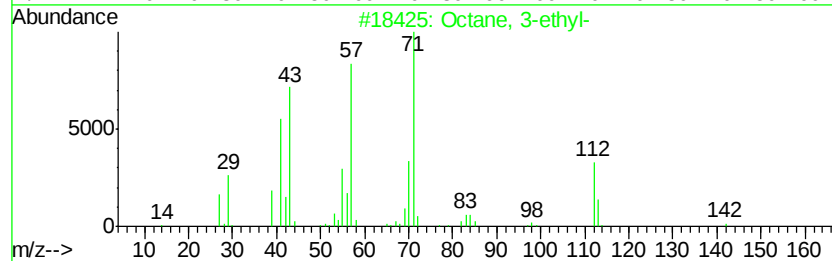
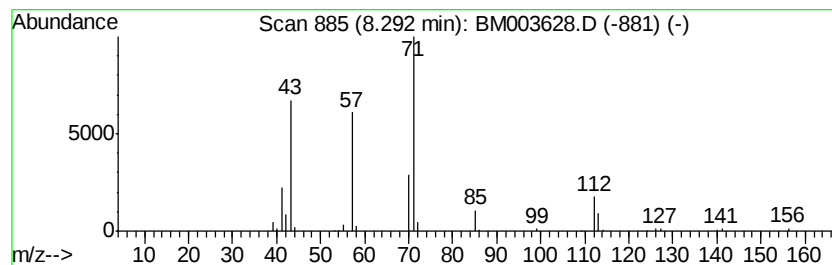
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	4.13 ng/ul	391191	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-ethyl-	142	C10H22	005881-17-4	78
2		Hexane, 3,3,4,4-tetramethyl-	142	C10H22	005171-84-6	72
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72
5		Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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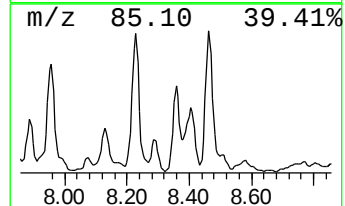
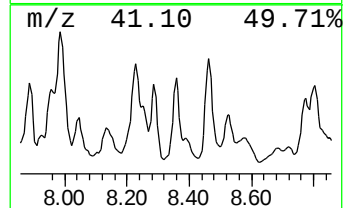
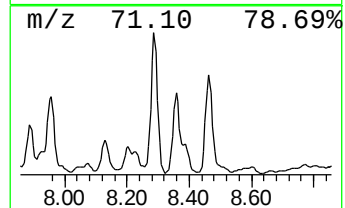
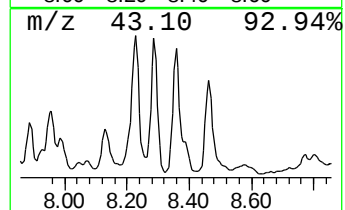
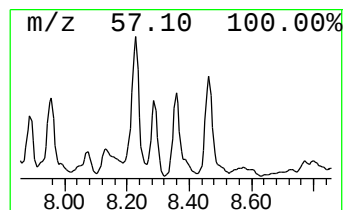
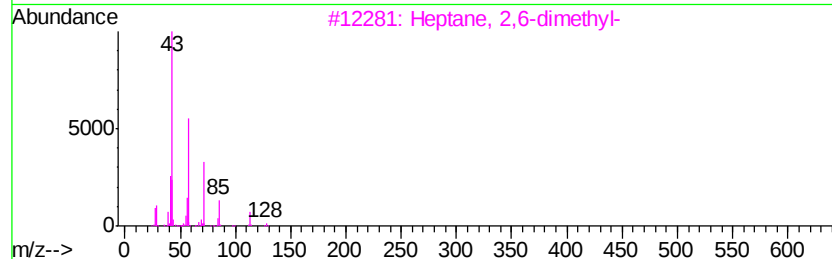
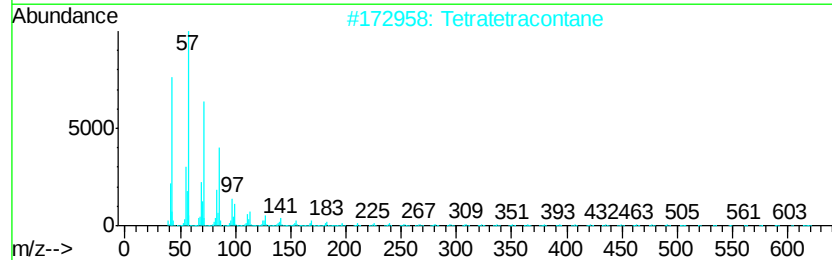
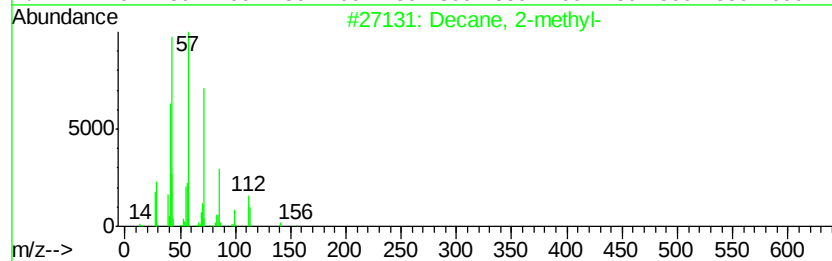
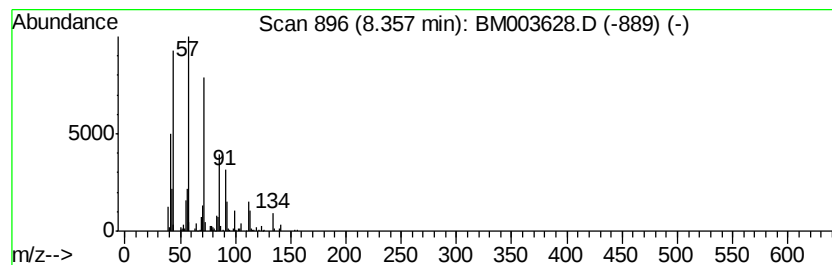
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	6.35 ng/ul	600982	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2-methyl-	156	C11H24	006975-98-0	94
2			Tetratetracontane	619	C44H90	007098-22-8	64
3			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	64
4			Pentadecane	212	C15H32	000629-62-9	59
5			Hexadecane	226	C16H34	000544-76-3	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

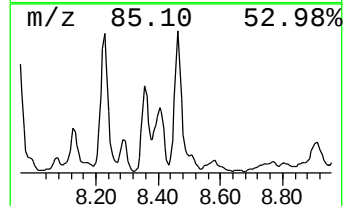
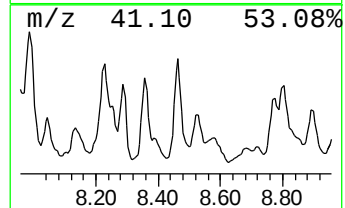
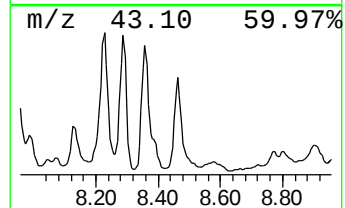
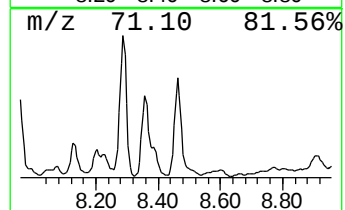
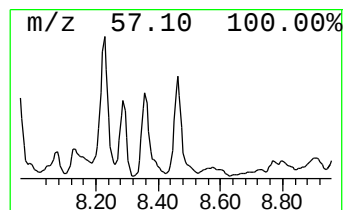
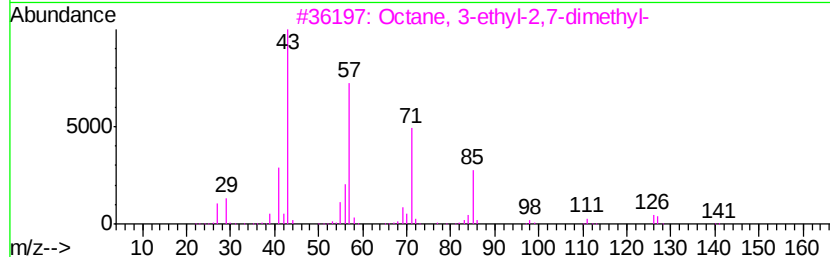
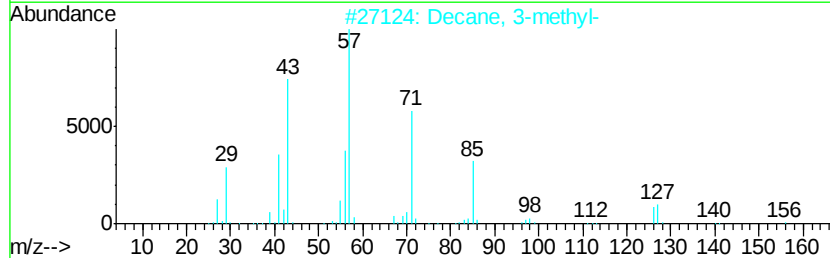
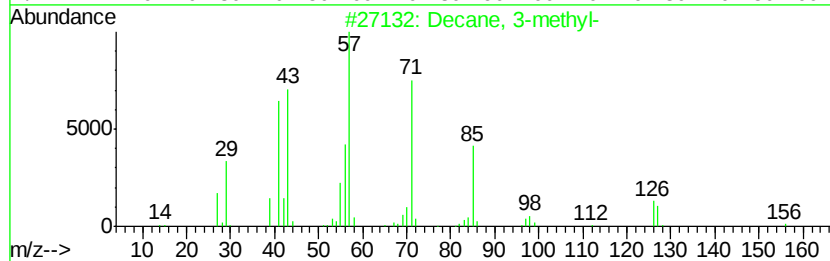
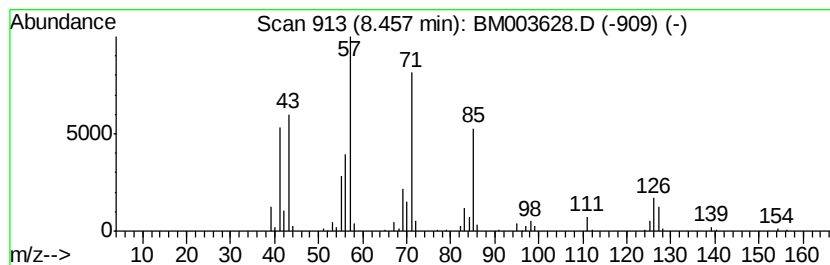
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	5.70 ng/ul	539589	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	90
2			Decane, 3-methyl-	156	C11H24	013151-34-3	74
3			Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	72
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
5			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

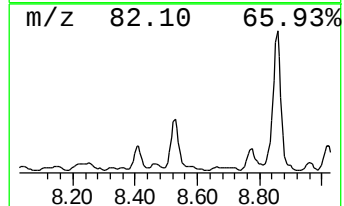
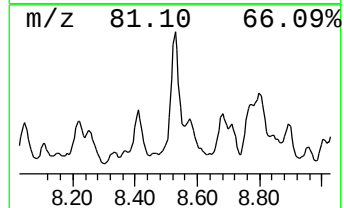
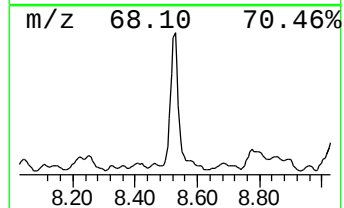
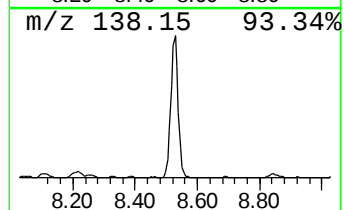
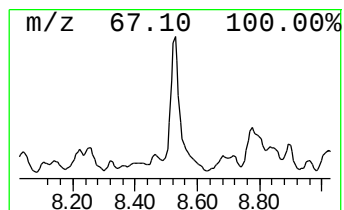
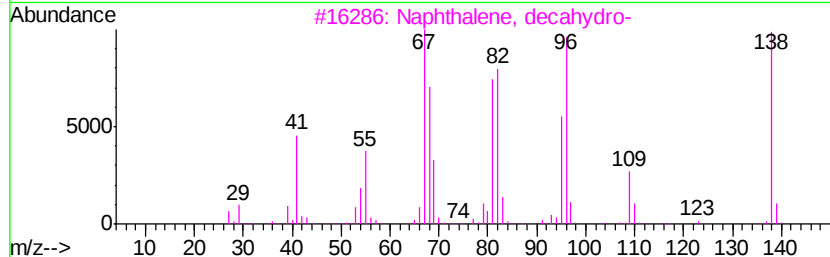
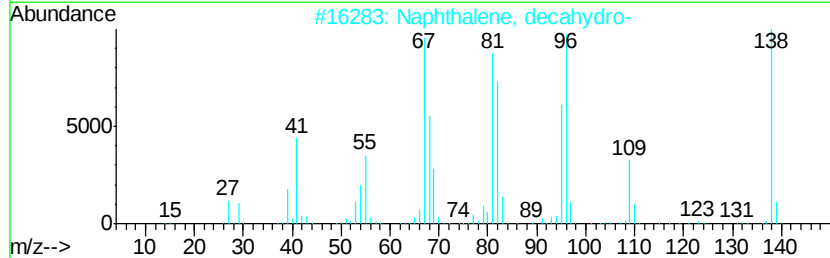
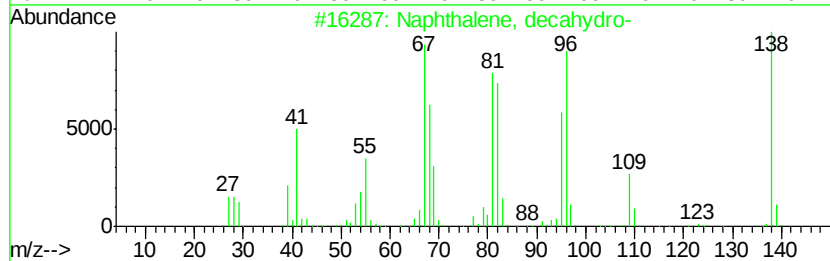
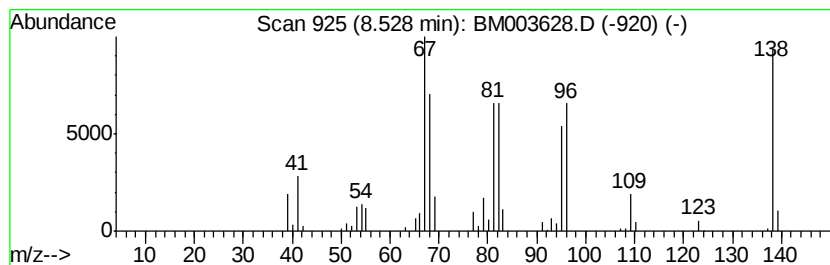
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 (DEL) Alkane: Branched8.53 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	3.96 ng/ul	374262	1,4-Dichlorobenzene-d4	7.70

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
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ClientSampleId :
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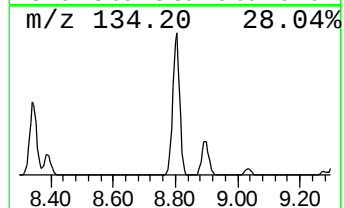
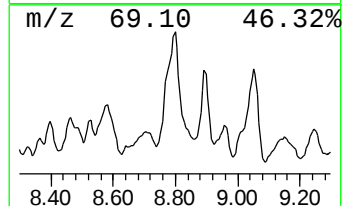
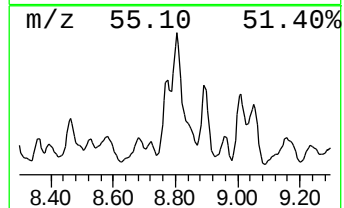
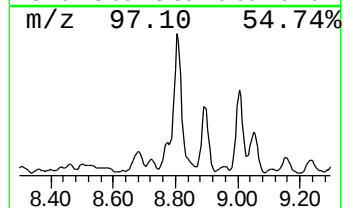
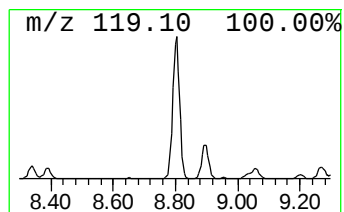
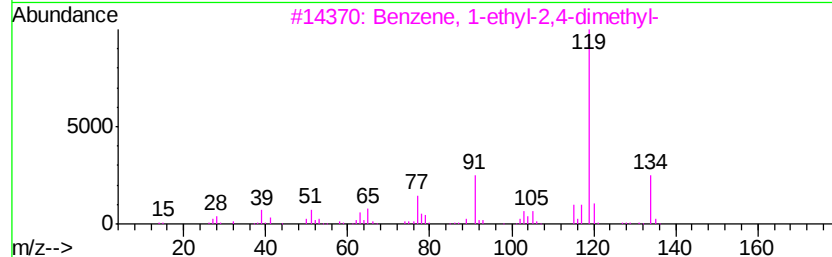
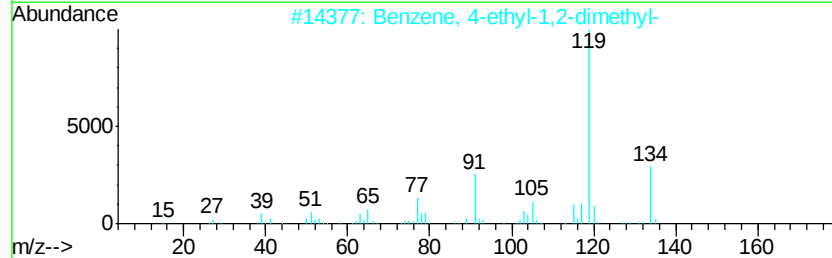
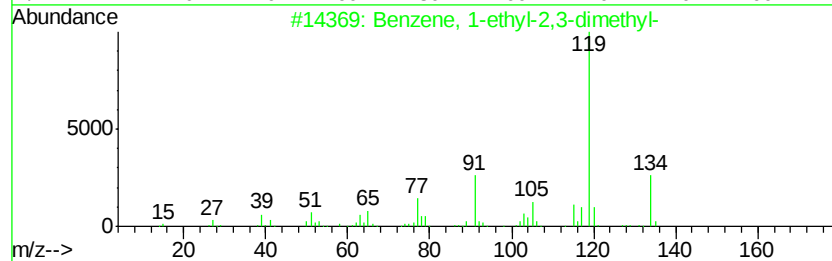
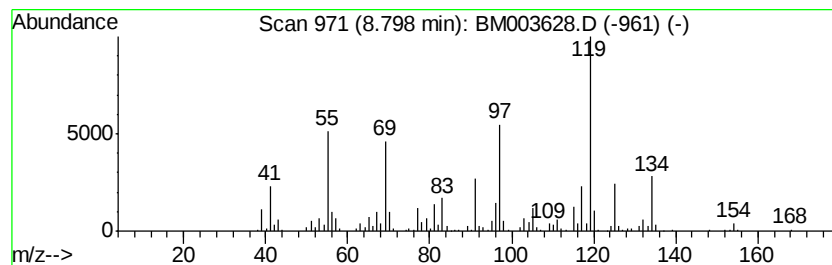
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	17.16 ng/ul	1623940	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
4		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	55
5		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	55



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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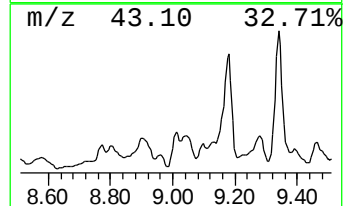
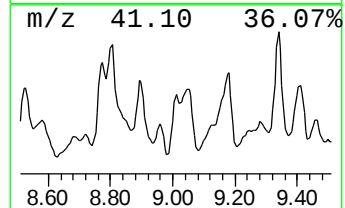
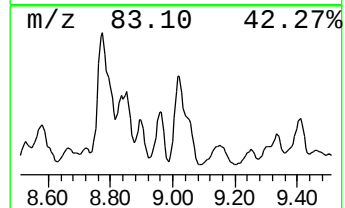
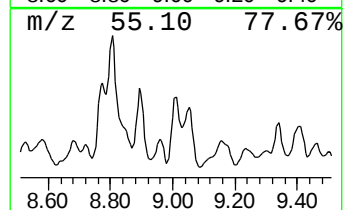
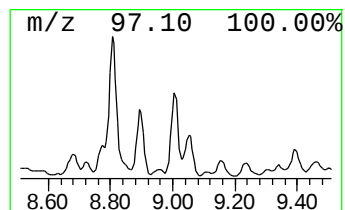
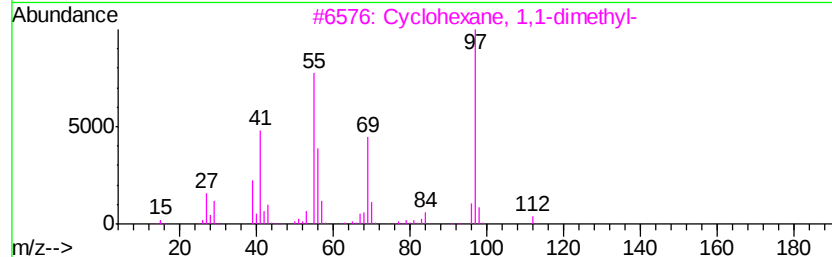
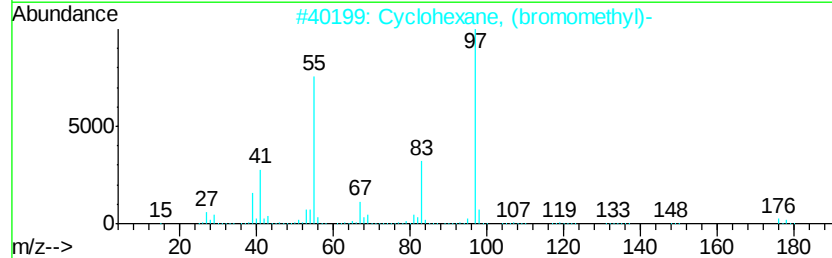
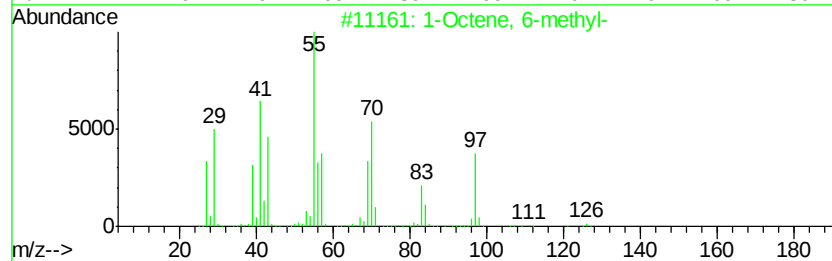
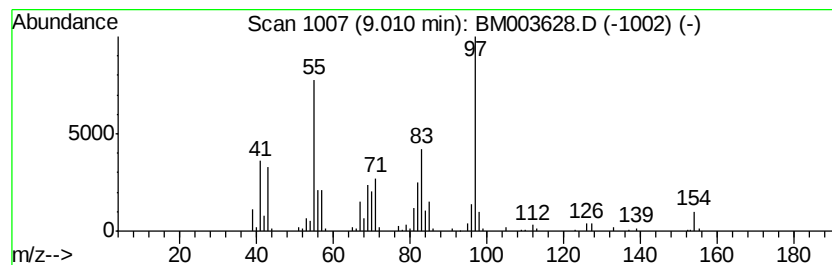
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 (DEL) Alkane: Cyclic9.01 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	3.63 ng/ul	343066	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octene, 6-methyl-	126	C9H18	013151-10-5	53
2		Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	43
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
4		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	43
5		Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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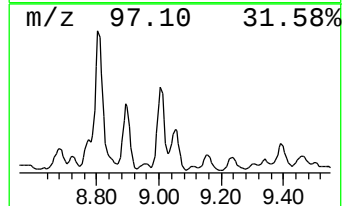
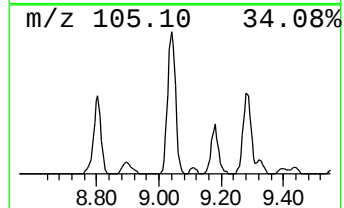
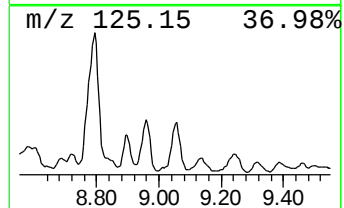
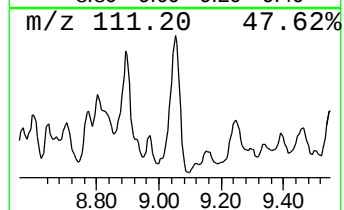
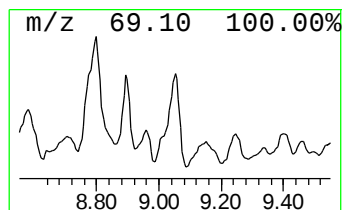
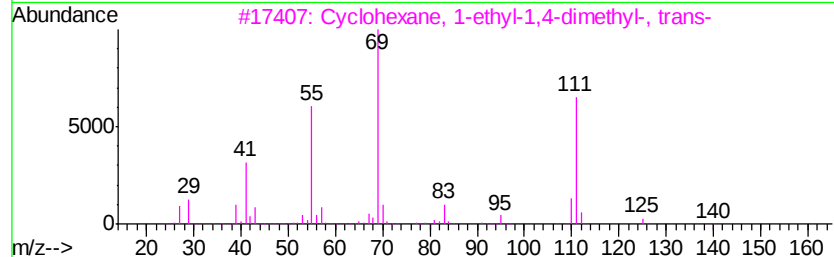
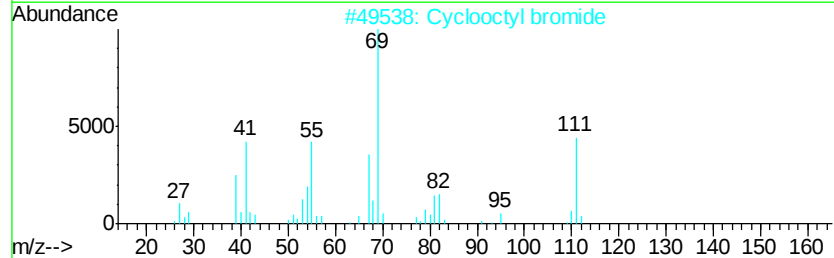
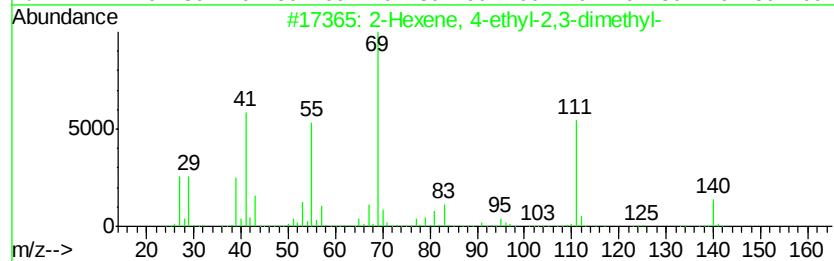
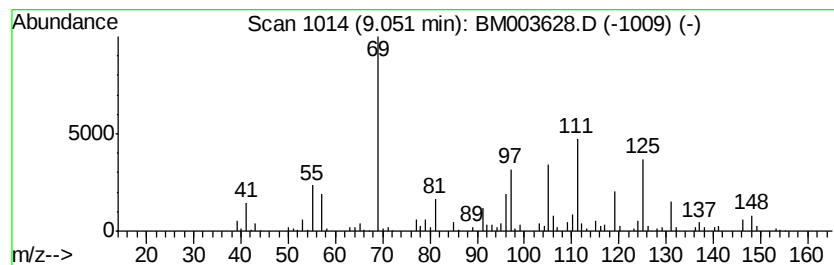
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Quant Title : SVOA CALIBRATION

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

Peak Number 41 (DEL) Alkane: Cyclic9.05 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	6.60 ng/ul	624672	1,4-Dichlorobenzene-d4	7.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43
2			Cyclooctyl bromide	190	C8H15Br	001556-09-8	43
3			Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	43
4			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
5			Triallylsilane	152	C9H16Si	001116-62-7	37



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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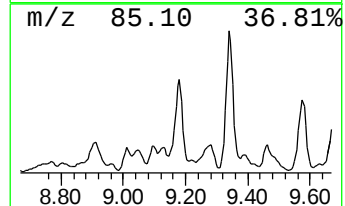
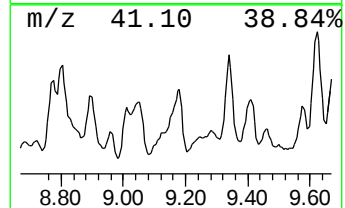
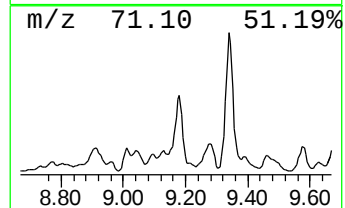
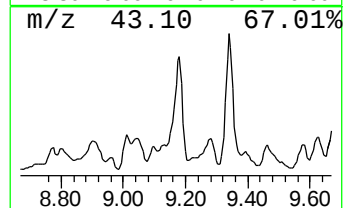
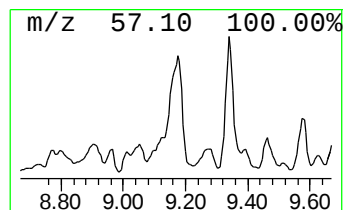
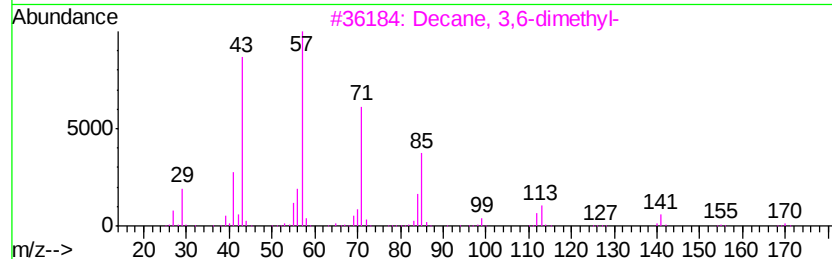
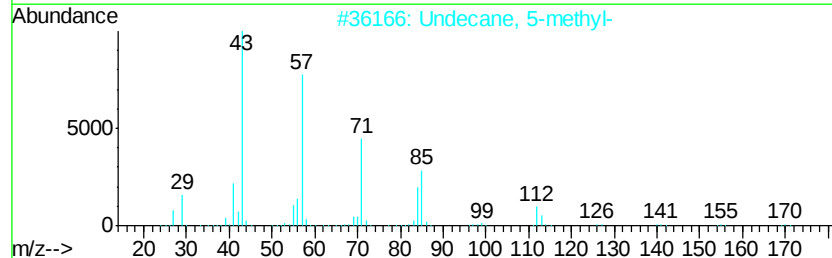
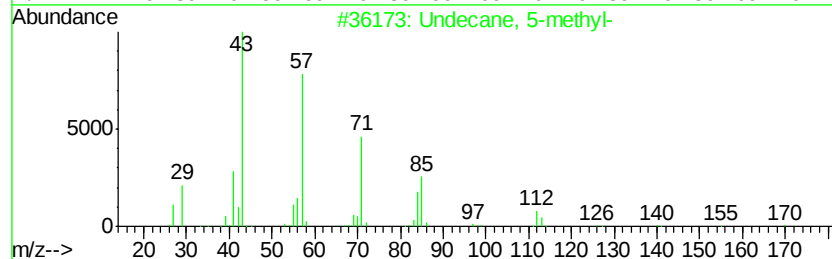
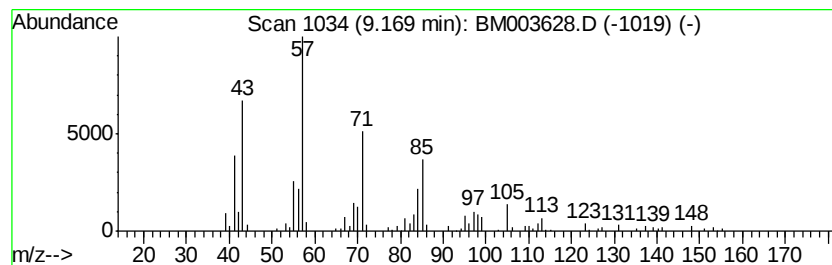
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	12.57 ng/ul	772684	Napthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-methyl-	170	C12H26	001632-70-8	87
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	87
3		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	81
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	68
5		Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
G9C69

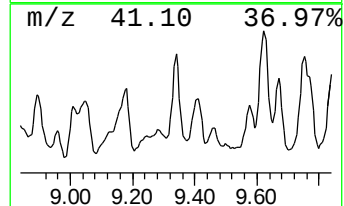
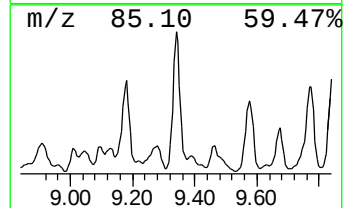
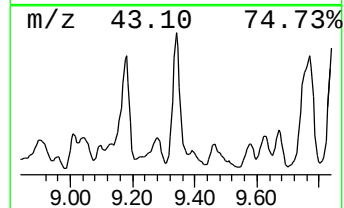
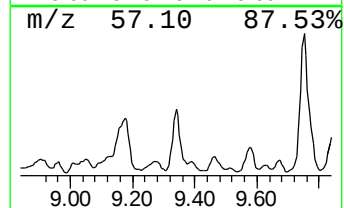
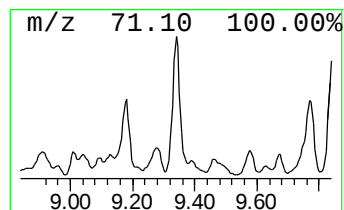
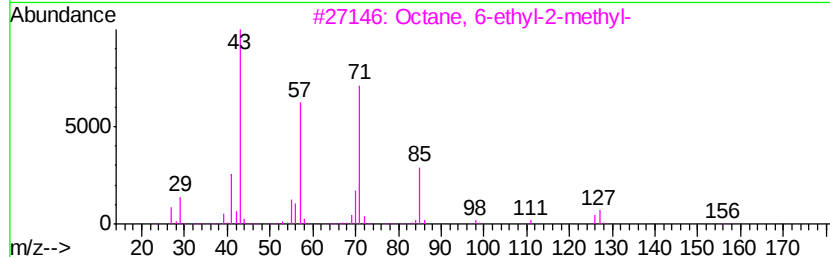
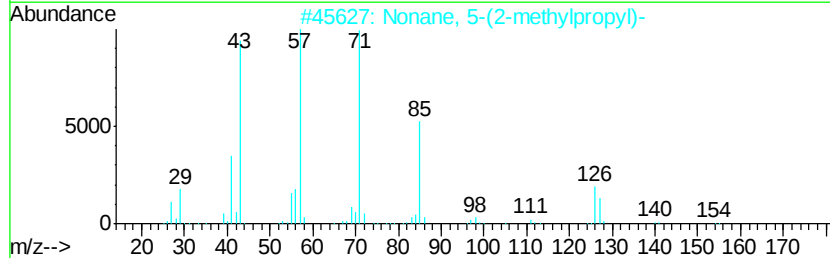
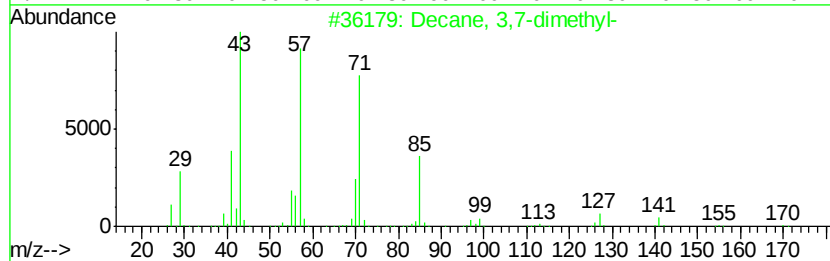
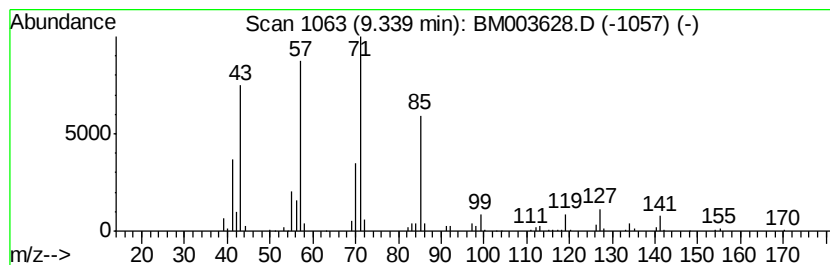
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Quant Title : SVOA CALIBRATION

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	10.33 ng/ul	635323	Napthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	81
2		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	72
3		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	72
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
G9C69

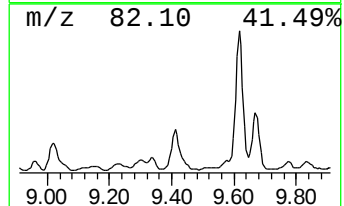
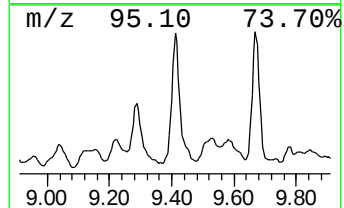
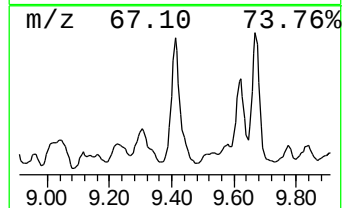
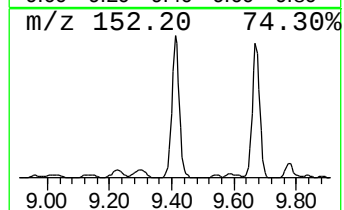
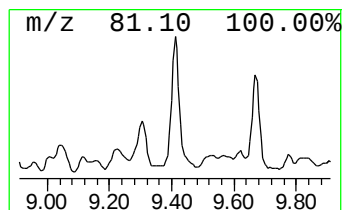
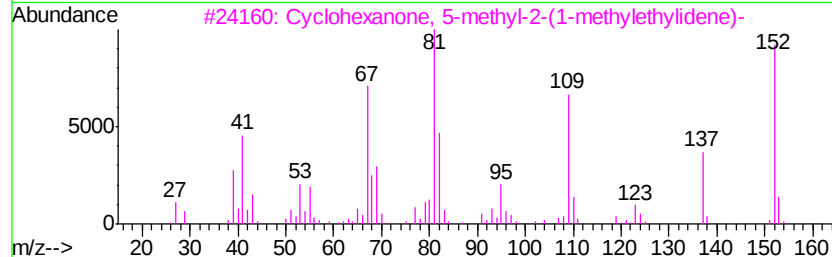
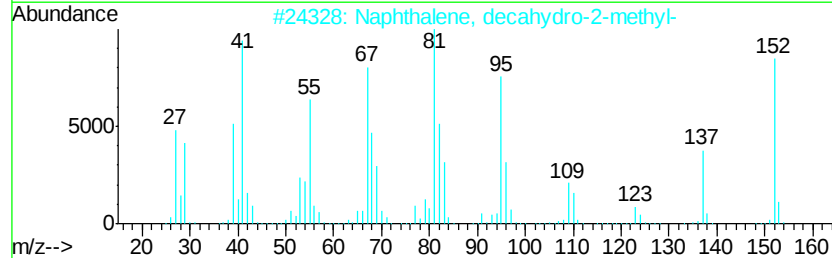
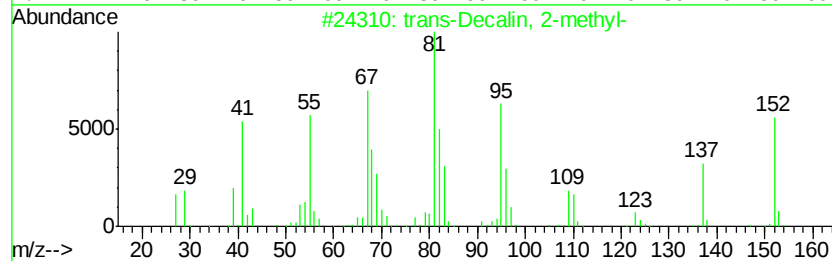
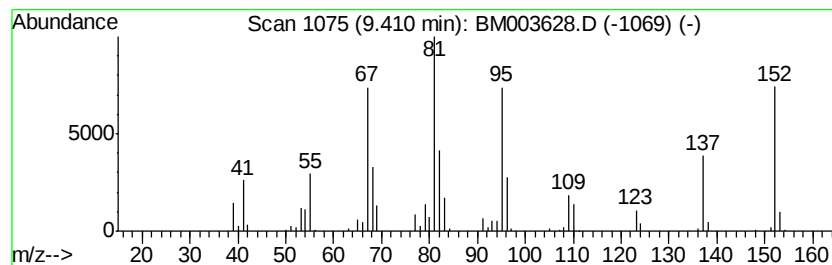
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Quant Title : SVOA CALIBRATION

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

Peak Number 45 (DEL) Alkane: Branched9.41 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	8.03 ng/ul	493656	Naphthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
4		Pulegone	152	C10H16O	000089-82-7	76
5		Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

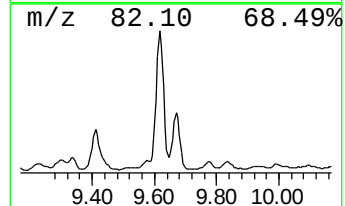
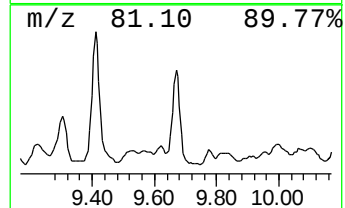
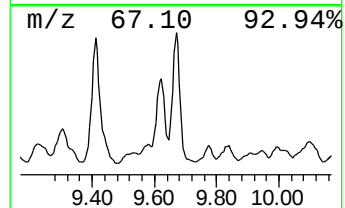
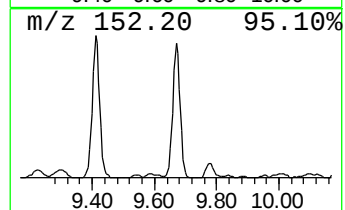
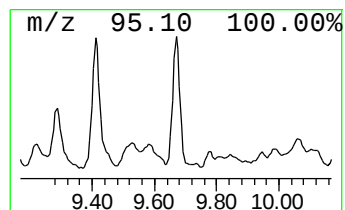
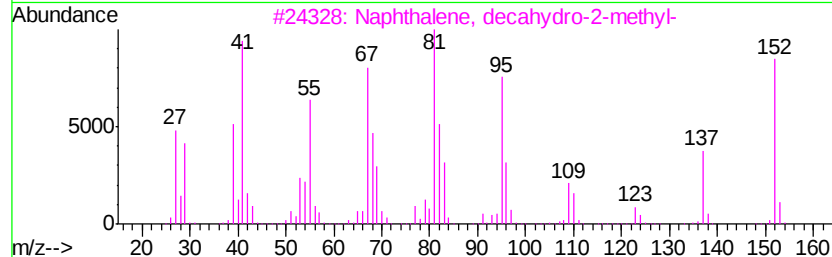
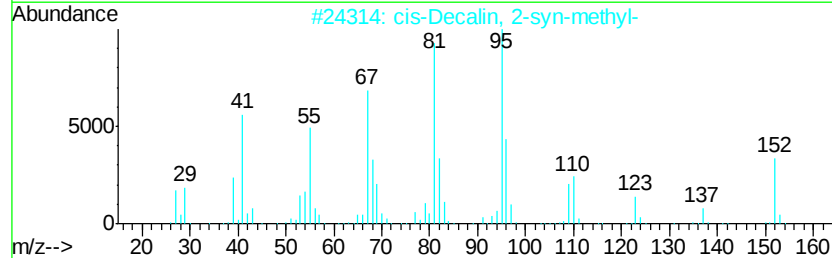
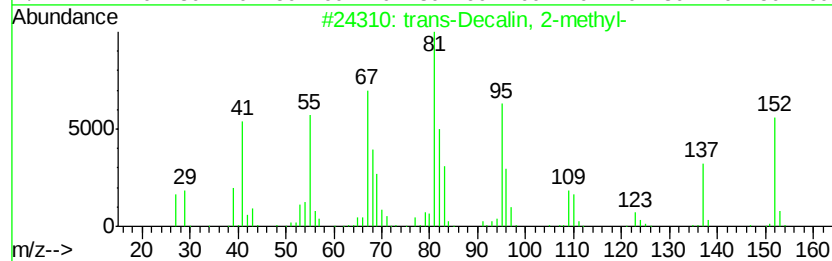
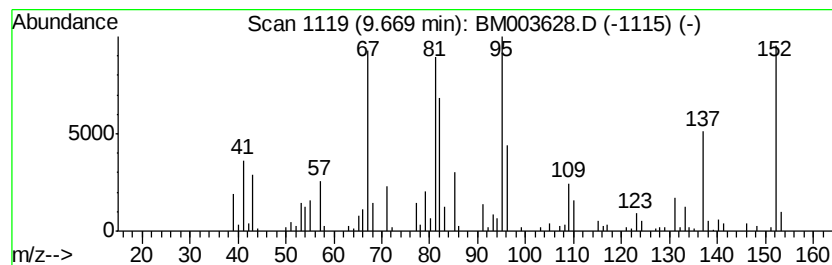
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Quant Title : SVOA CALIBRATION

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

Peak Number 46 (DEL) Alkane: Branched9.67 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	10.62 ng/ul	653117	Naphthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	83
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	68
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58
4		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	52
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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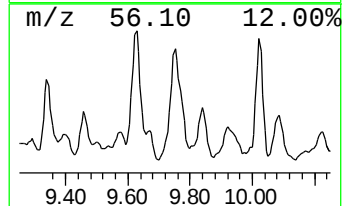
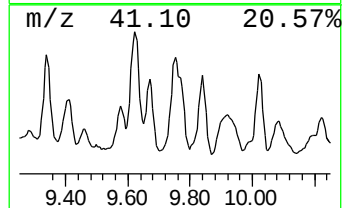
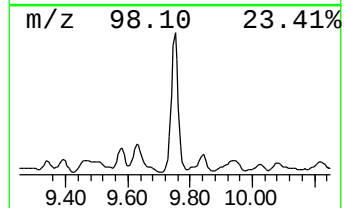
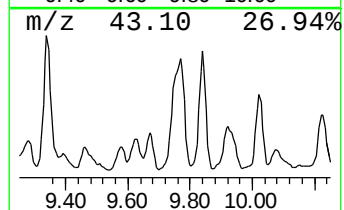
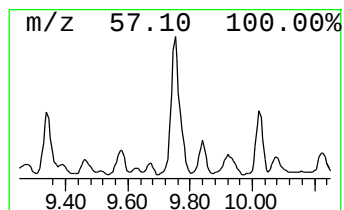
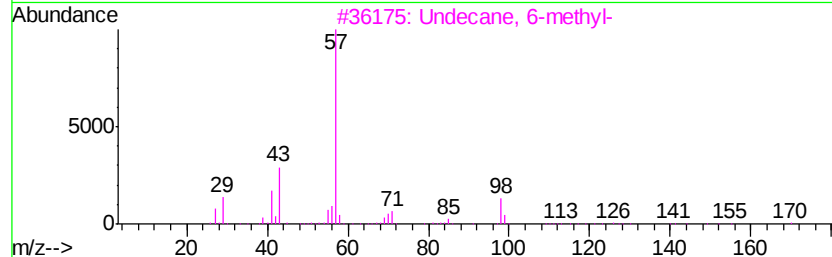
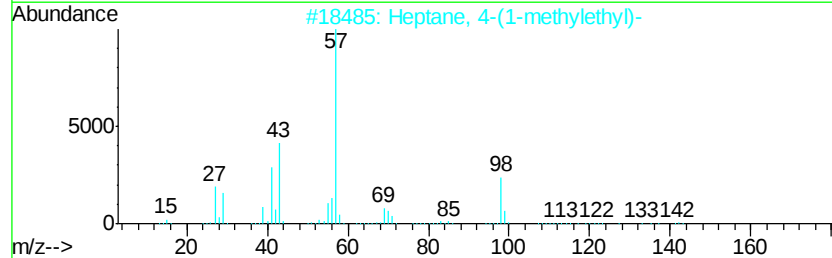
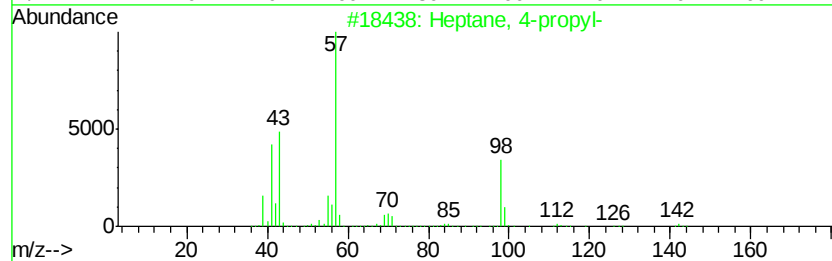
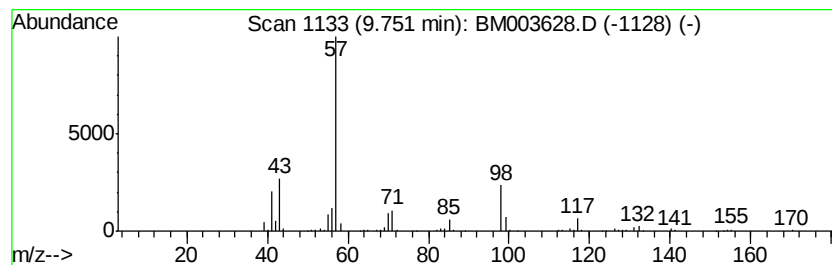
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Quant Title : SVOA CALIBRATION

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	7.39 ng/ul	454143	Napthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 4-propyl-	142	C10H22	003178-29-8	72
2		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
3		Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	60
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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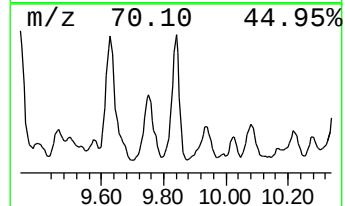
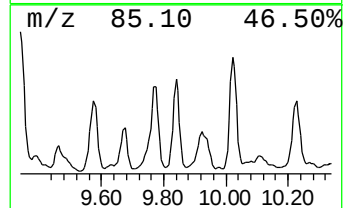
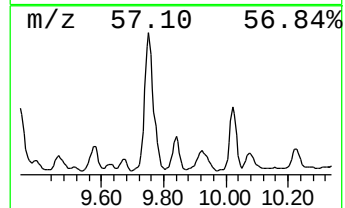
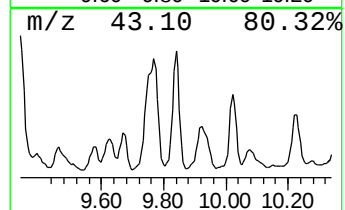
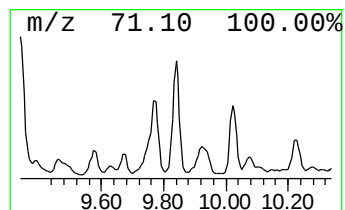
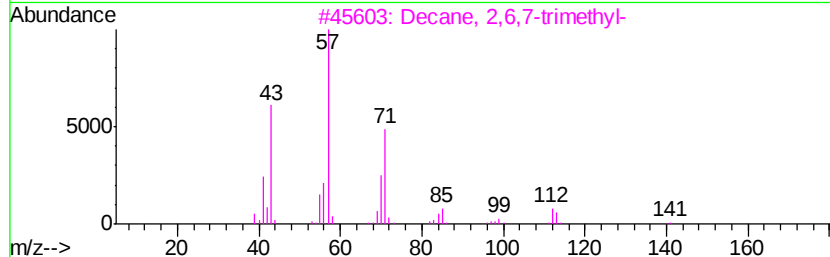
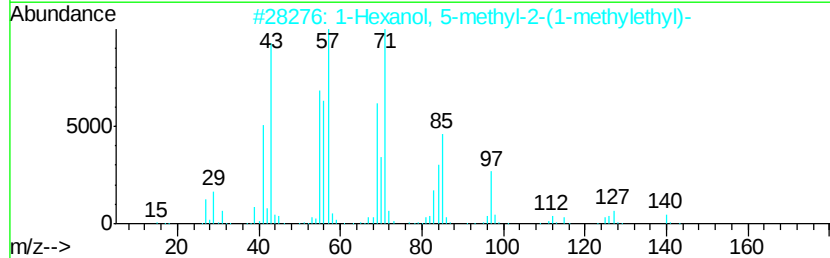
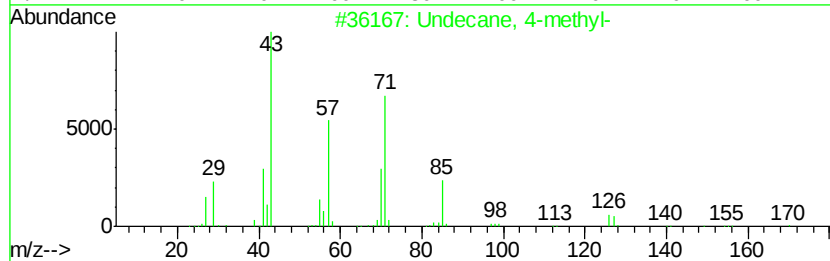
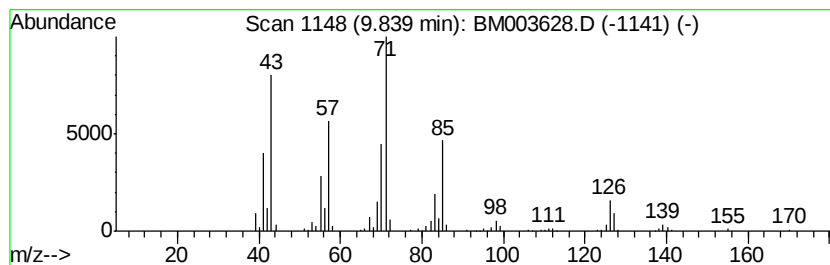
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Quant Title : SVOA CALIBRATION

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	6.87 ng/ul	422264	Naphthalene-d8	10.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4-methyl-	170	C12H26	002980-69-0	83
2			1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	59
3			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	50
4			Undecane, 2-methyl-	170	C12H26	007045-71-8	50
5			1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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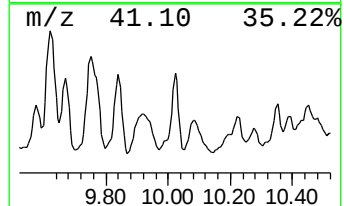
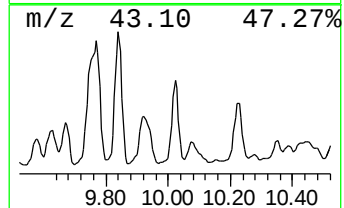
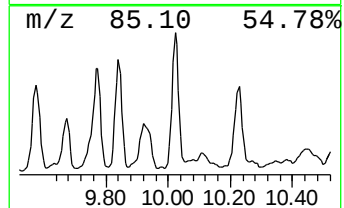
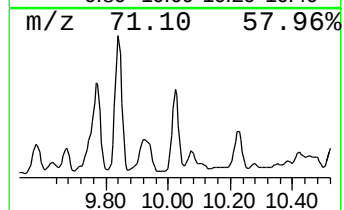
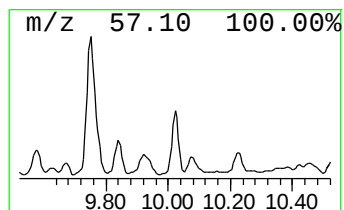
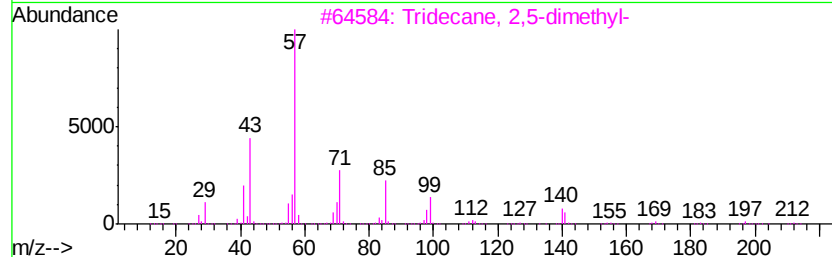
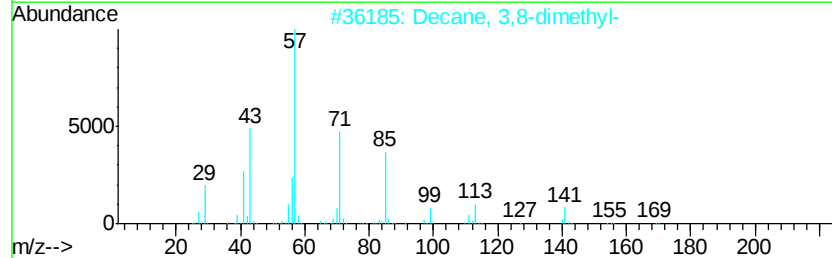
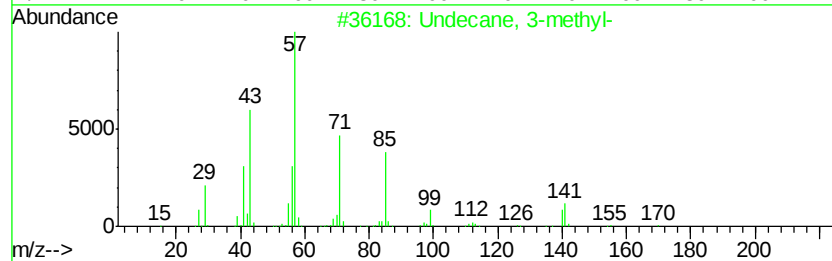
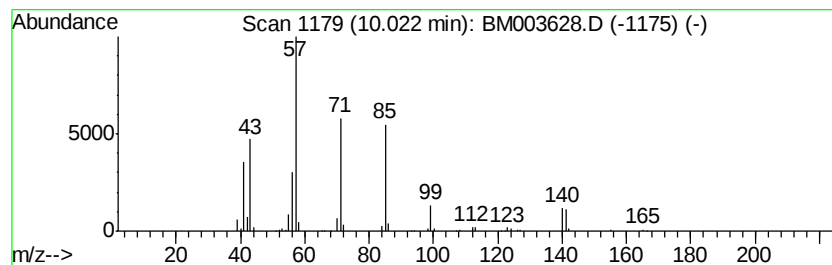
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Quant Title : SVOA CALIBRATION

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	4.86 ng/ul	299014	Napthalene-d8	10.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	83
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	78
3			Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	64
4			Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	64
5			Undecane, 3-methyl-	170	C12H26	001002-43-3	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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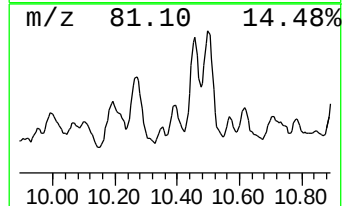
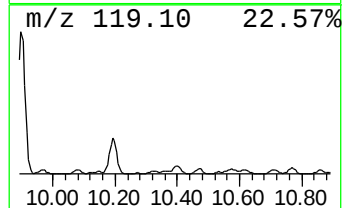
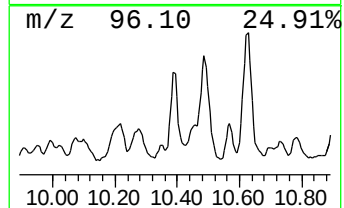
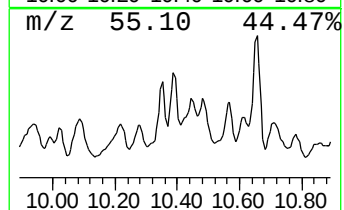
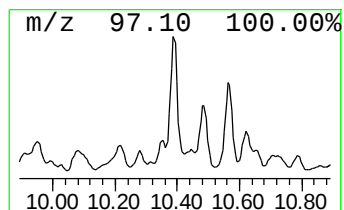
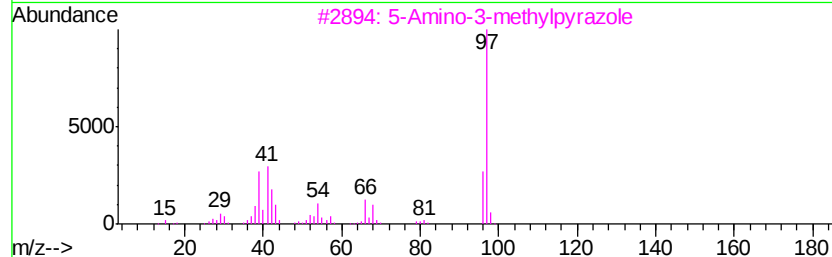
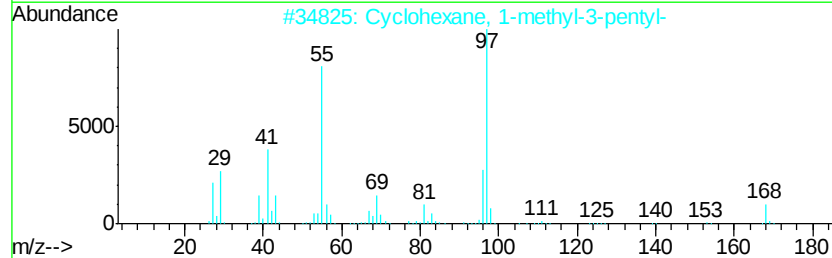
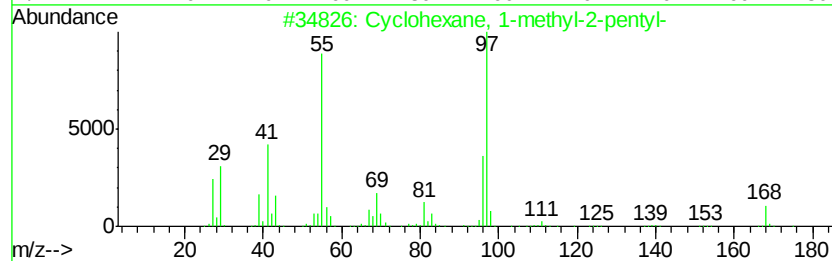
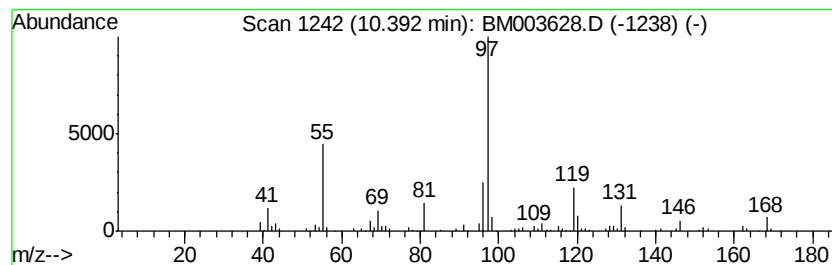
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 (DEL) Alkane: Cyclic10.39 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	6.39 ng/ul	393248	Naphthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64
2		Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	53
3		5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	50
4		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	50
5		2,2,3,3-Tetramethylcyclopropanec...	238	C15H26O2	1000221-97-5	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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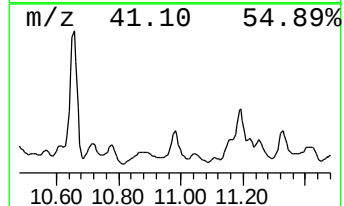
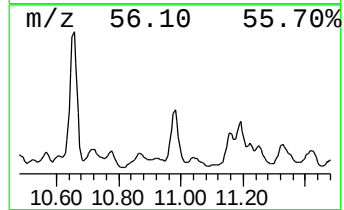
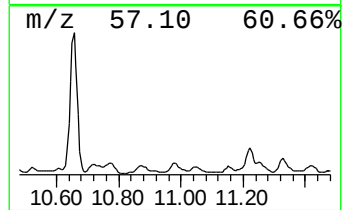
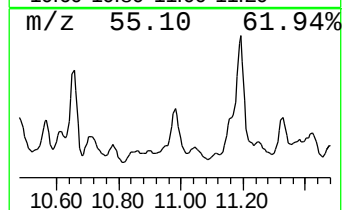
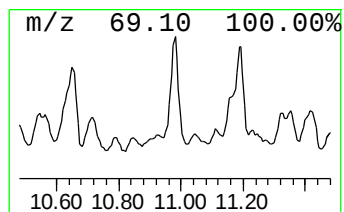
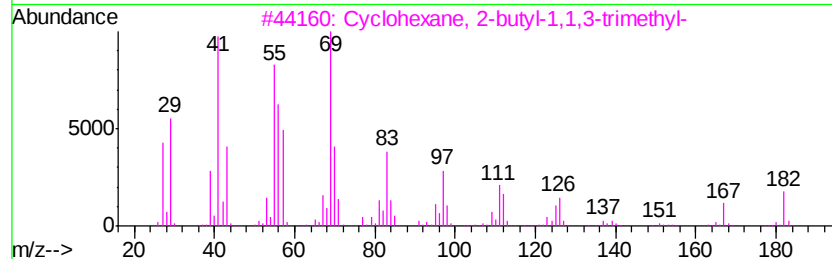
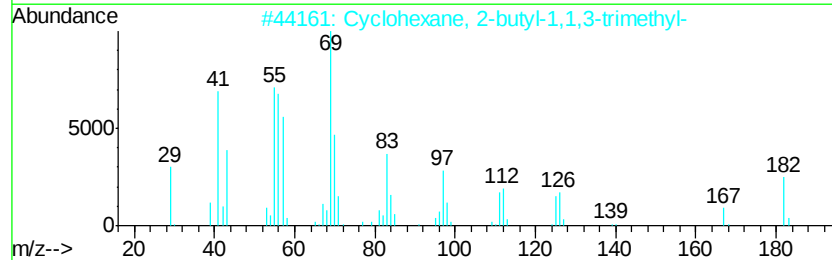
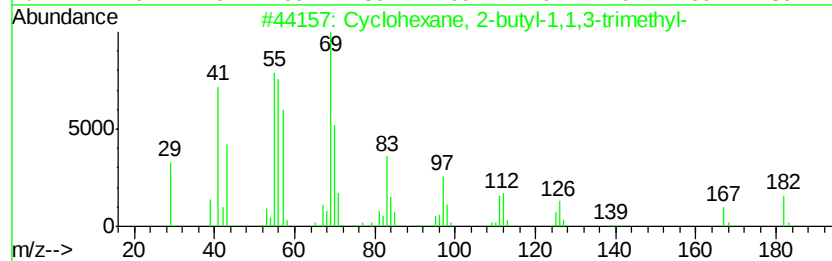
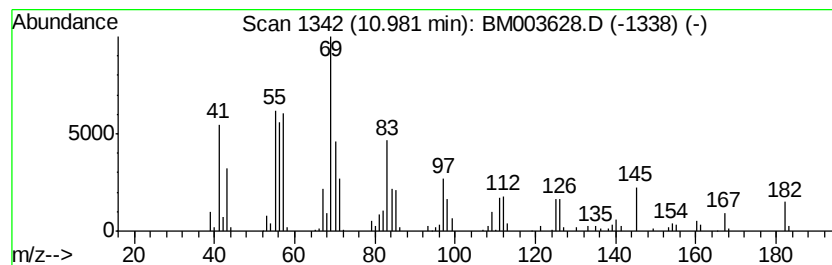
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Quant Title : SVOA CALIBRATION

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

Peak Number 54 (DEL) Alkane: Cyclic10.98 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	5.99 ng/ul	368379	Naphthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
2		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
3		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	86
4		4-Trifluoroacetoxyltridecane	296	C15H27F3O2	1000245-47-3	80
5		3-Heptafluorobutyroxytridecane	396	C17H27F7O2	1000245-49-5	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

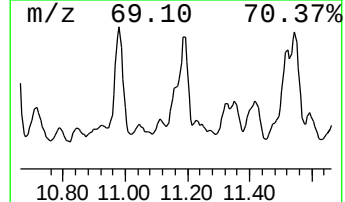
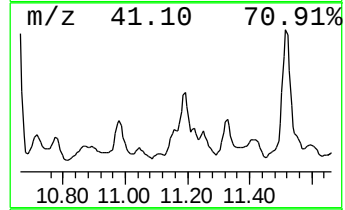
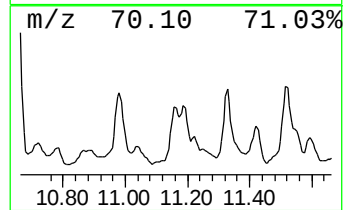
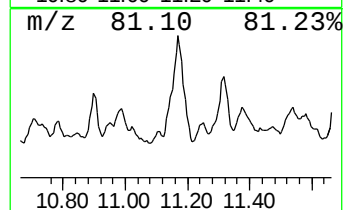
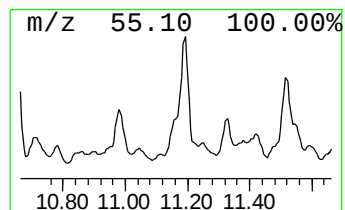
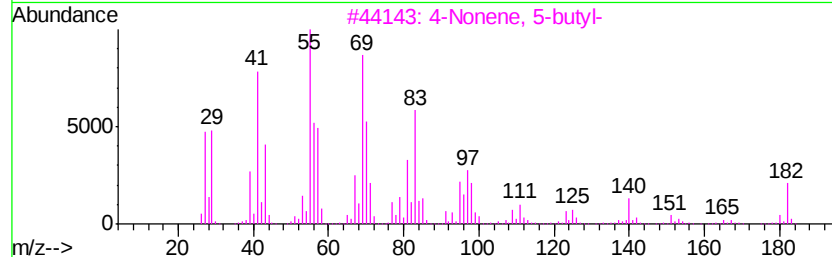
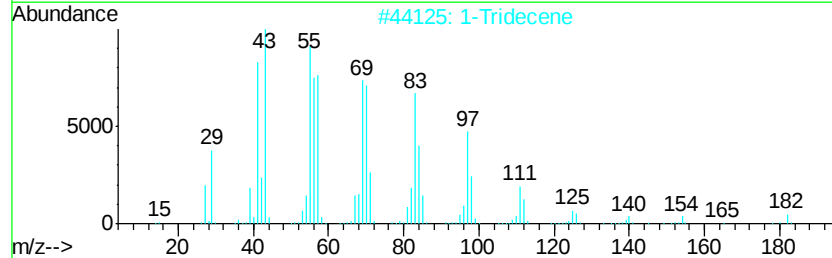
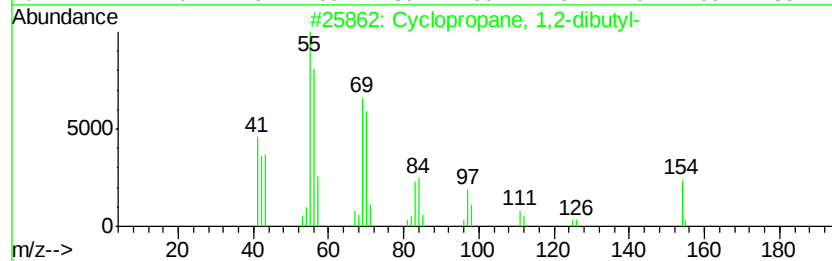
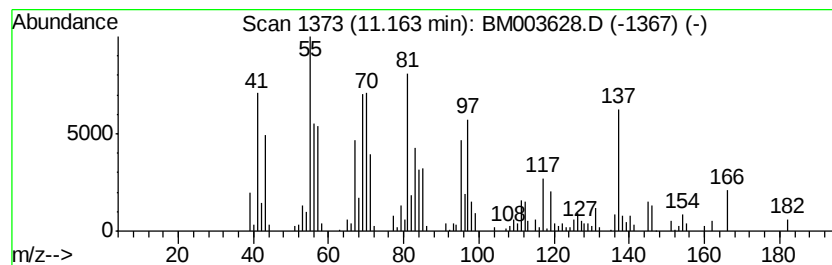
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Quant Title : SVOA CALIBRATION

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

Peak Number 55 (DEL) Alkane: Cyclic11.16 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	4.79 ng/ul	294473	Napthalene-d8	10.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	80
2			1-Tridecene	182	C13H26	002437-56-1	46
3			4-Nonene, 5-butyl-	182	C13H26	007367-38-6	46
4			2-Undecene, (E)-	154	C11H22	000693-61-8	42
5			Cyclopropane, 1-pentyl-2-propyl-	154	C11H22	041977-33-7	42



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

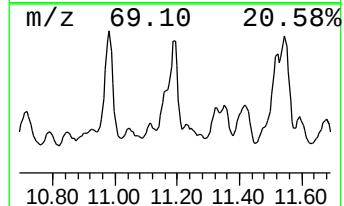
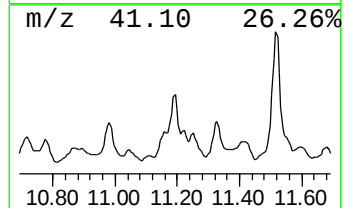
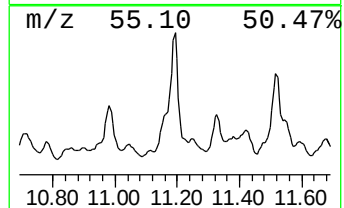
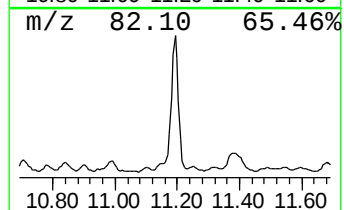
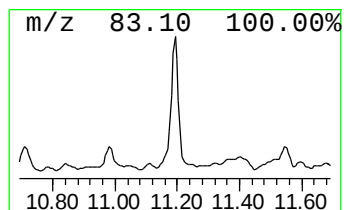
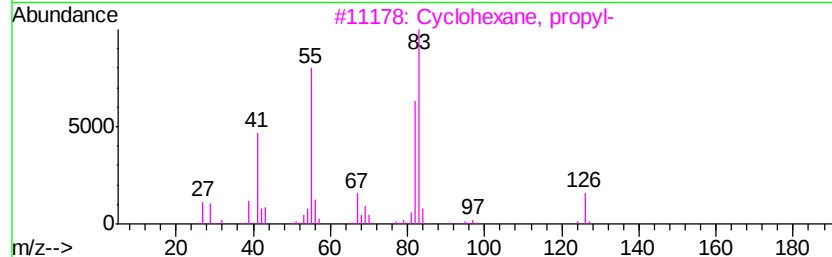
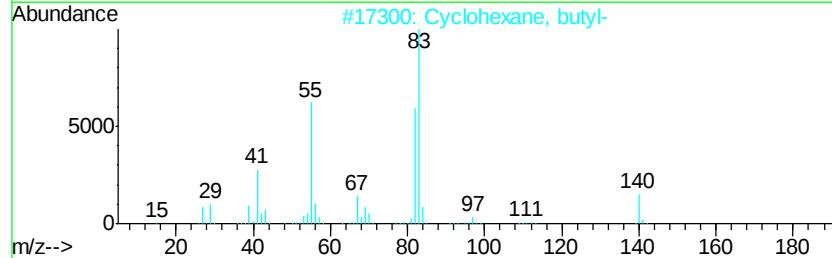
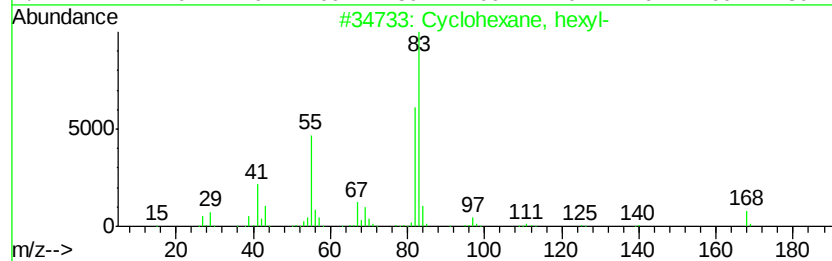
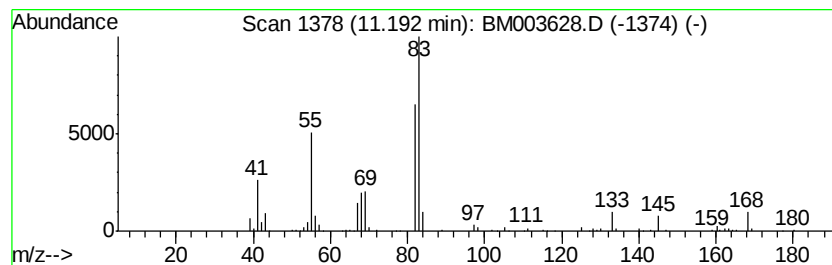
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Quant Title : SVOA CALIBRATION

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

Peak Number 56 (DEL) Alkane: Cyclic11.19 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	14.22 ng/ul	874436	Napthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	74
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	59
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	59
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

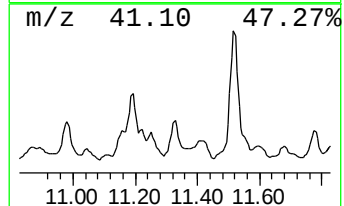
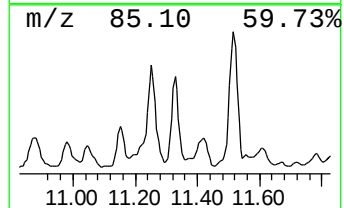
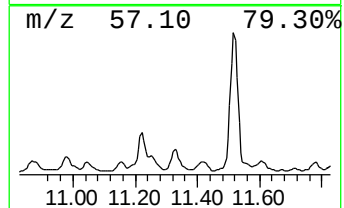
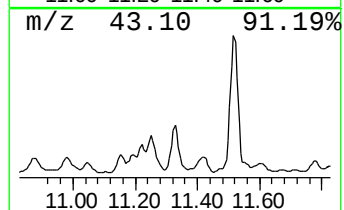
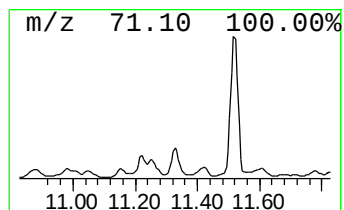
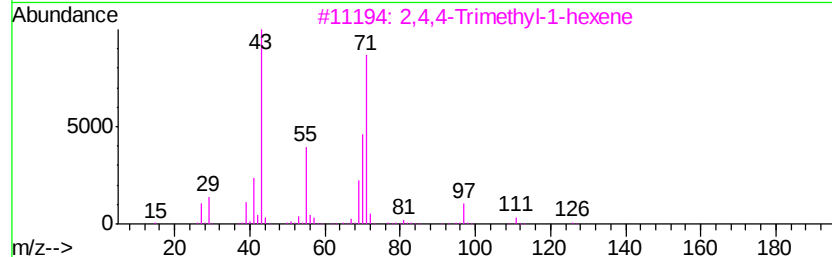
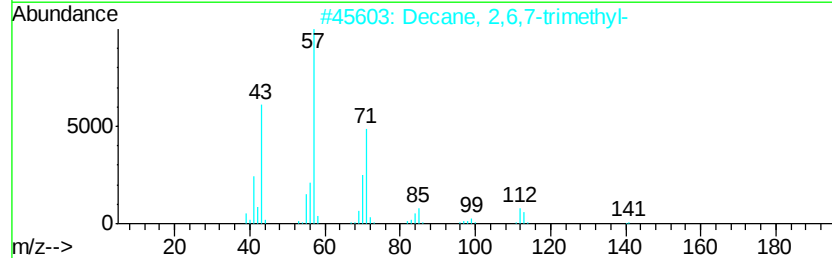
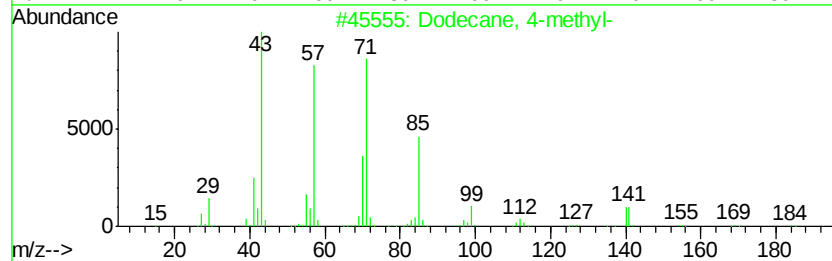
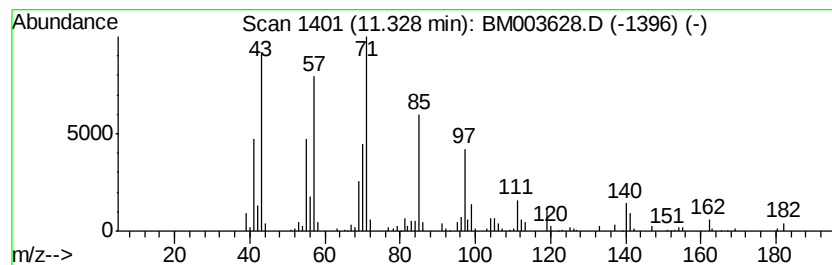
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Quant Title : SVOA CALIBRATION

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	7.04 ng/ul	433177	Naphthalene-d8	10.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4-methyl-	184	C13H28	006117-97-1	64
2			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	43
3			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	43
4			Dodecane, 4-methyl-	184	C13H28	006117-97-1	43
5			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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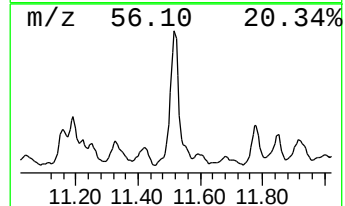
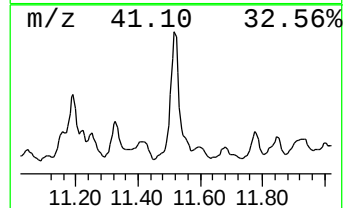
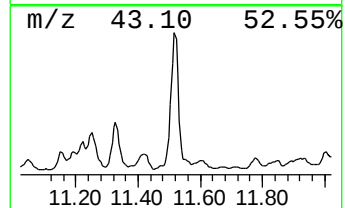
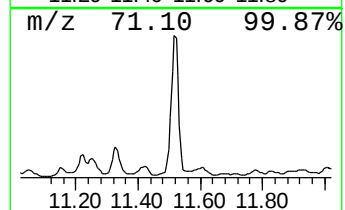
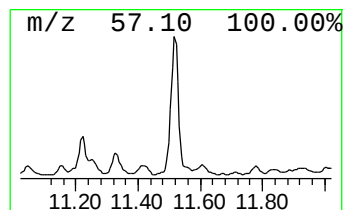
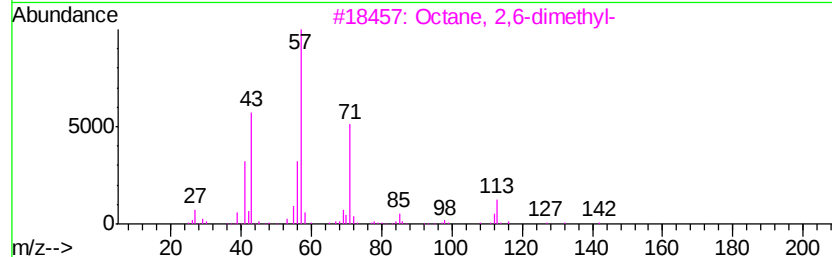
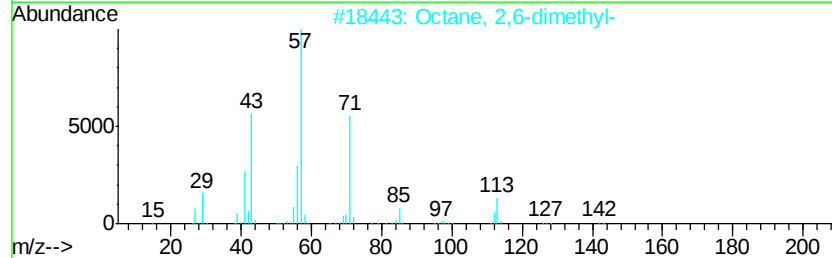
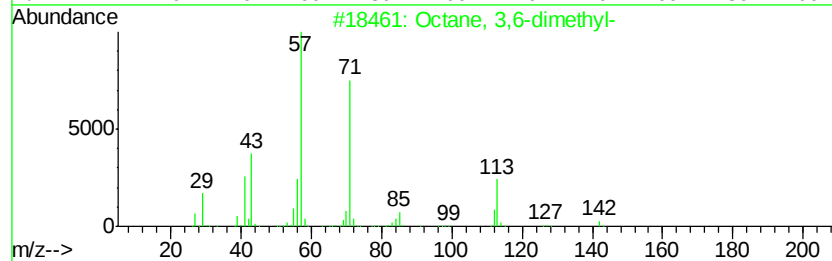
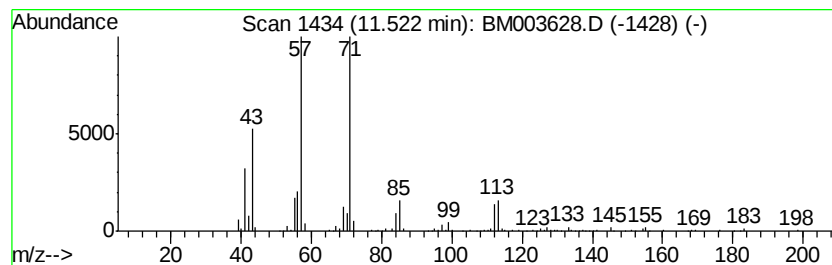
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Quant Title : SVOA CALIBRATION

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	24.12 ng/ul	1483050	Naphthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
5		Tridecane, 5-propyl-	226	C16H34	055045-11-9	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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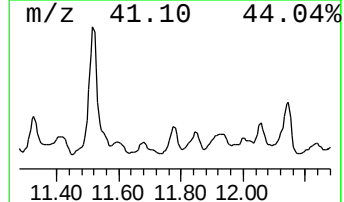
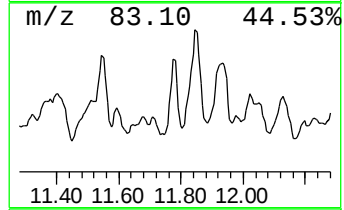
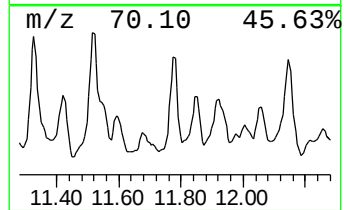
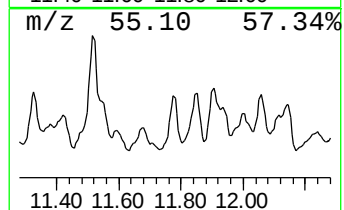
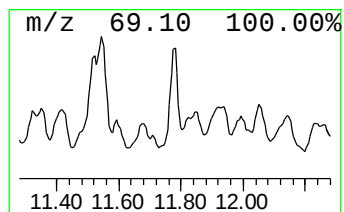
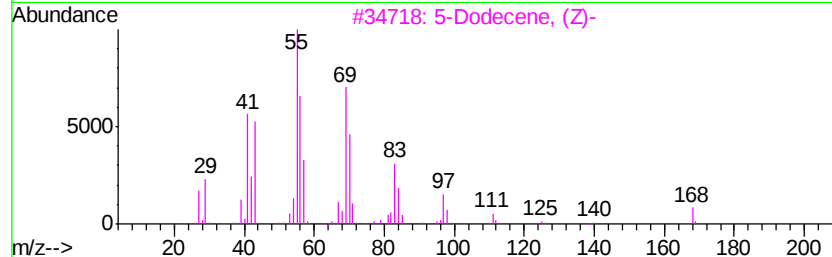
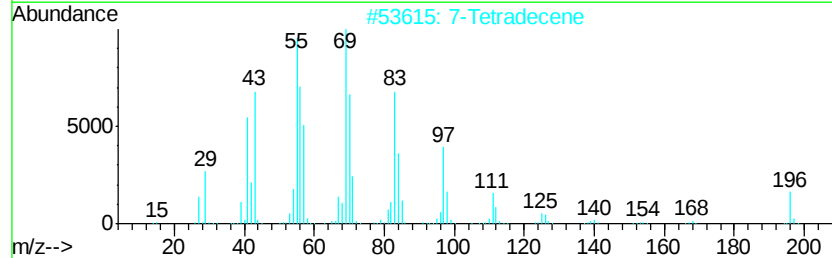
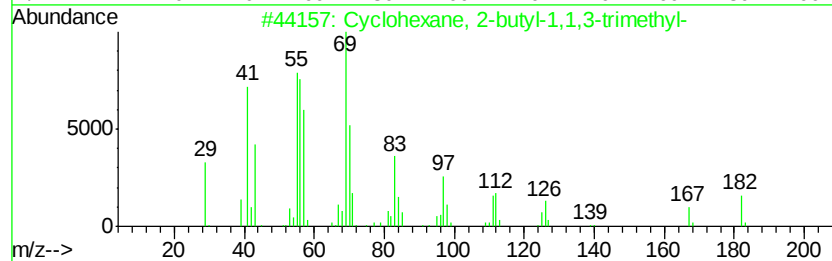
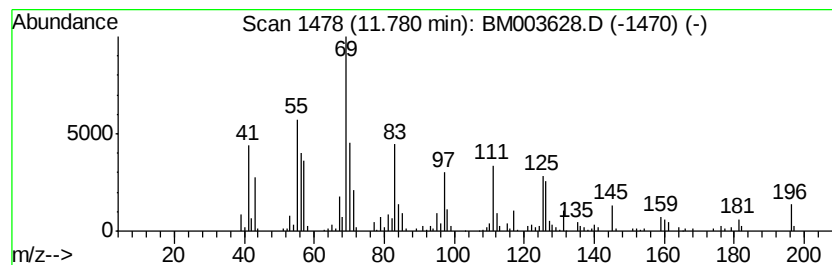
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Quant Title : SVOA CALIBRATION

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	6.85 ng/ul	421360	Naphthalene-d8	10.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	74
2			7-Tetradecene	196	C14H28	010374-74-0	70
3			5-Dodecene, (Z)-	168	C12H24	007206-28-2	68
4			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	68
5			6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	68



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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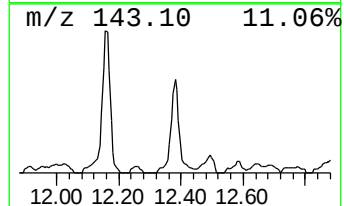
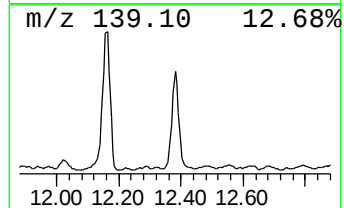
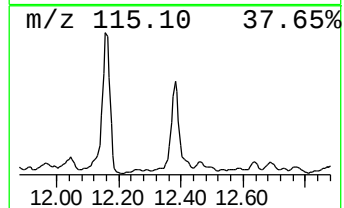
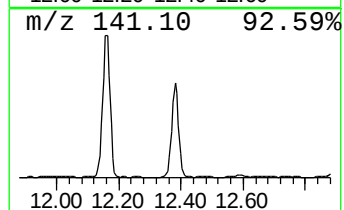
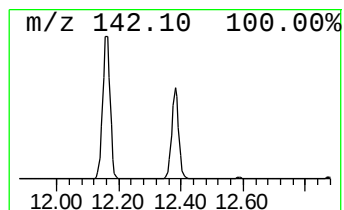
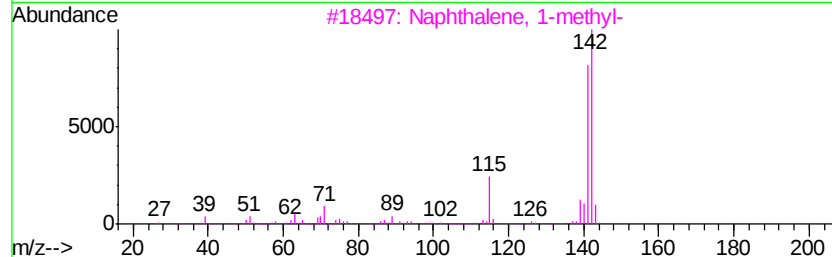
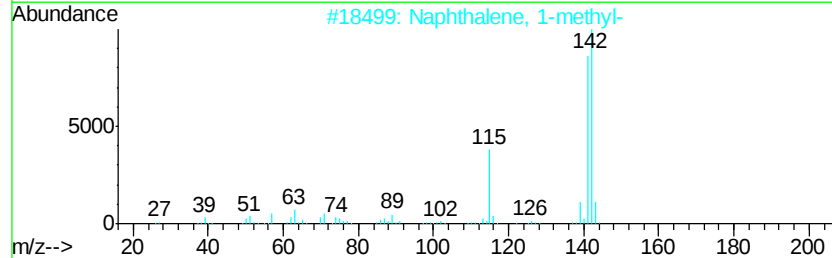
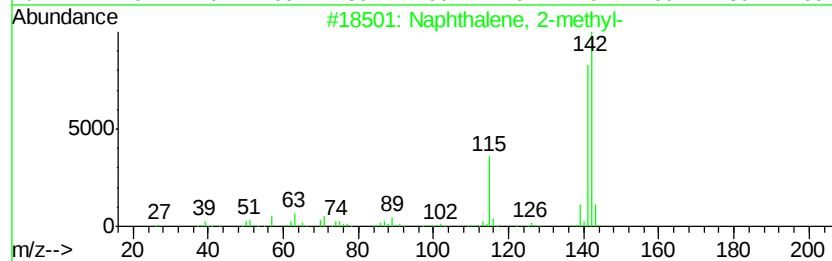
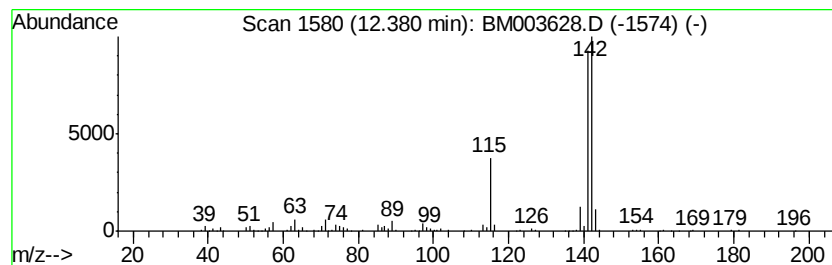
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Quant Title : SVOA CALIBRATION

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

Peak Number 61 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	10.63 ng/ul	653648	Naphthalene-d8	10.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

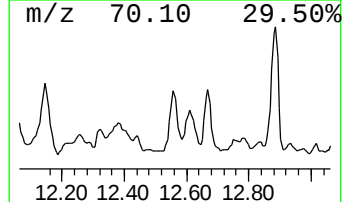
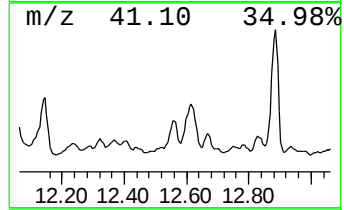
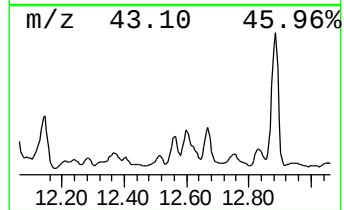
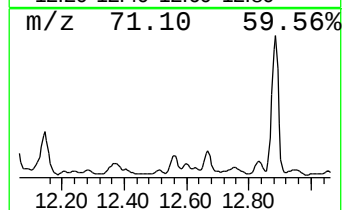
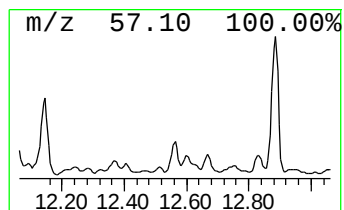
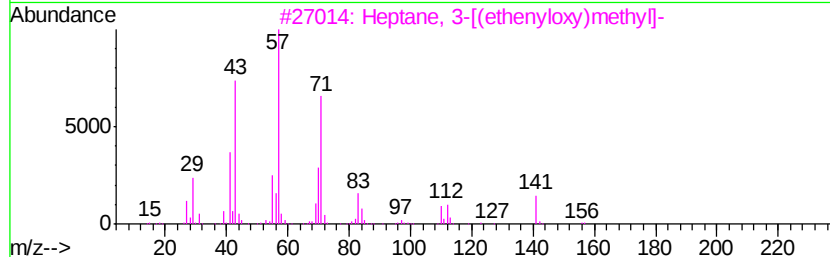
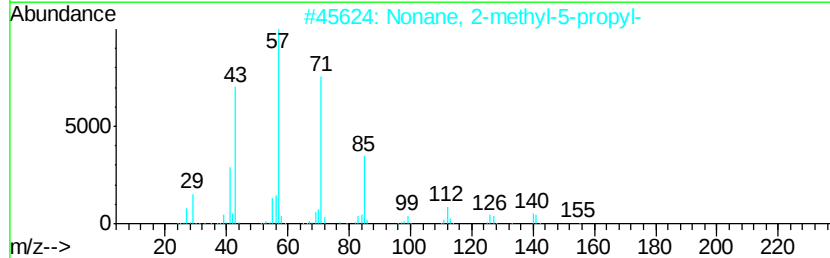
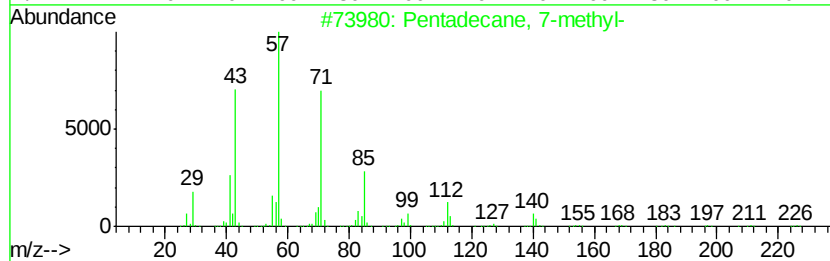
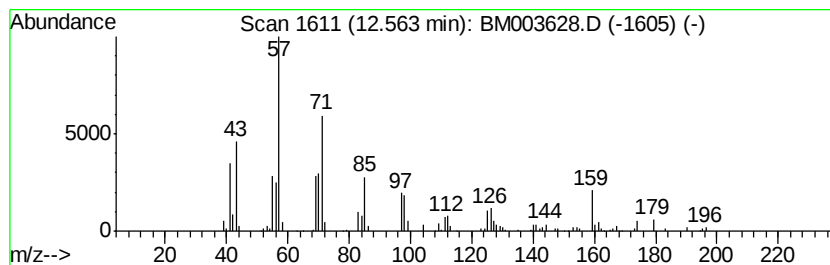
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	9.30 ng/ul	304327	Acenaphthene-d10	14.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentadecane, 7-methyl-	226 C16H34	006165-40-8 38
2		Nonane, 2-methyl-5-propyl-	184 C13H28	031081-17-1 38
3		Heptane, 3-[(ethenvloxy)methyl]-	156 C10H20O	000103-44-6 38
4		Undecane	156 C11H24	001120-21-4 38
5		1-Decene, 4-methyl-	154 C11H22	013151-29-6 35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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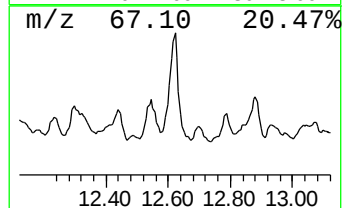
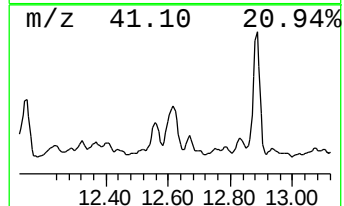
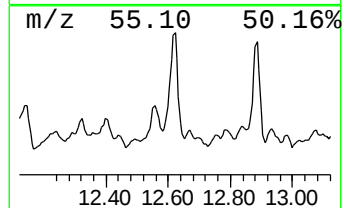
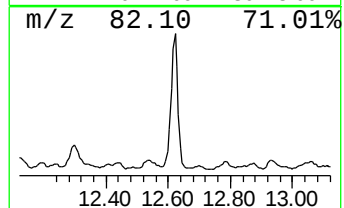
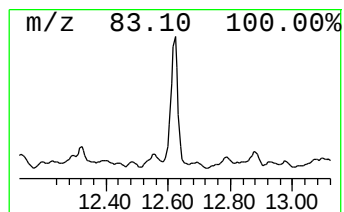
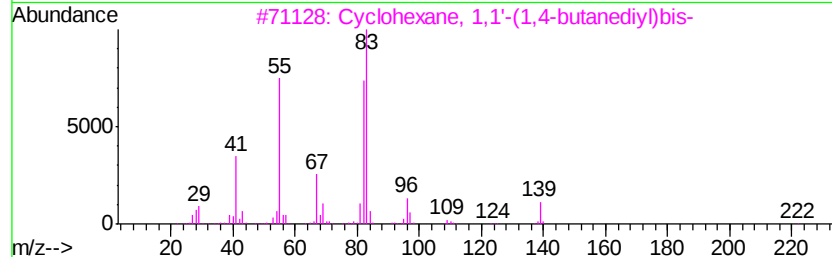
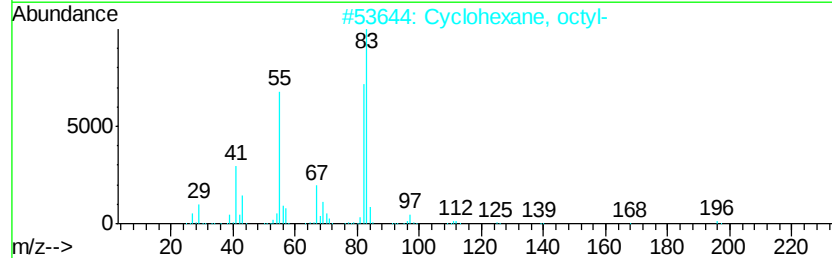
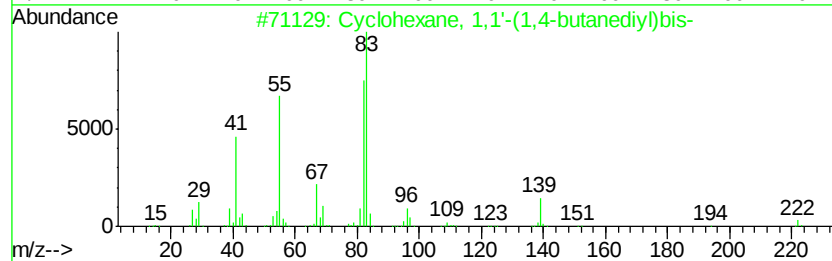
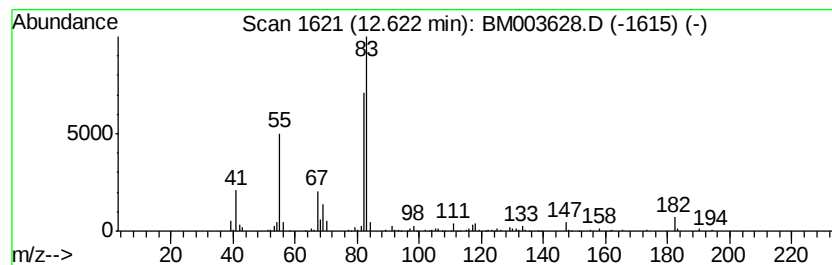
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Quant Title : SVOA CALIBRATION

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

Peak Number 63 (DEL) Alkane: Branched12.62 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	15.07 ng/ul	493429	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1'-(1,4-butanediyl)bis-	222	C16H30	006165-44-2	72
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	72
3		Cyclohexane, 1,1'-(1,4-butanediyl)bis-	222	C16H30	006165-44-2	72
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
5		Cyclohexane, decyl-	224	C16H32	001795-16-0	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
G9C69

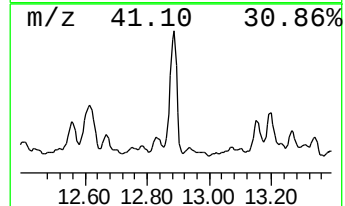
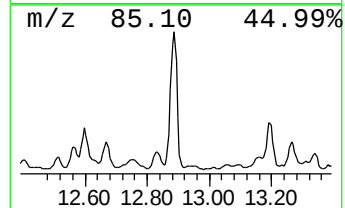
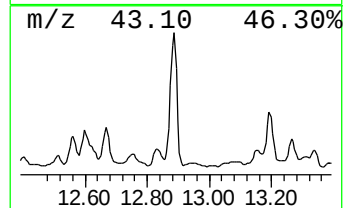
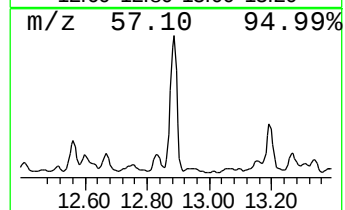
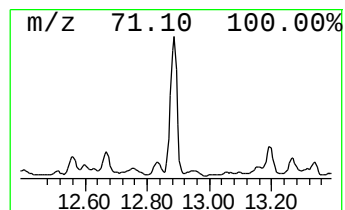
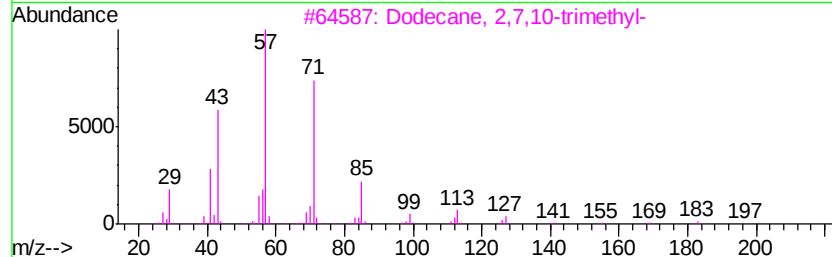
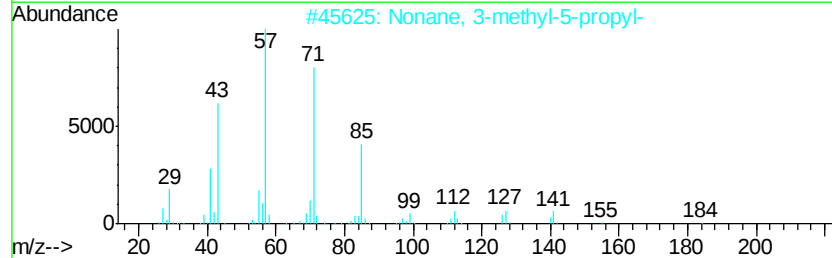
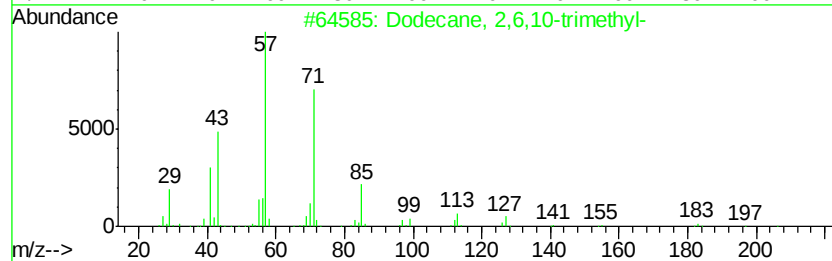
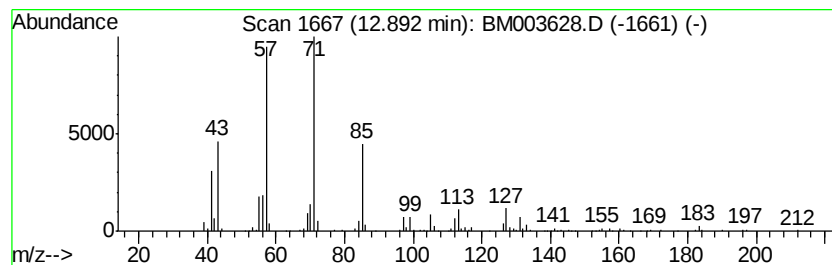
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Quant Title : SVOA CALIBRATION

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

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	33.64 ng/ul	1101160	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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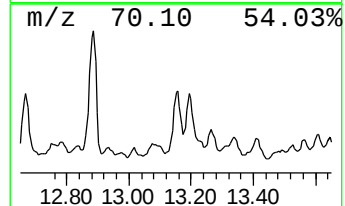
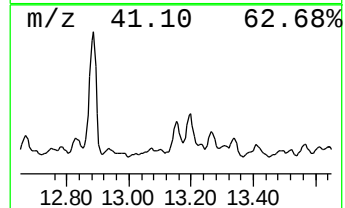
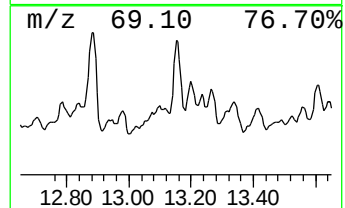
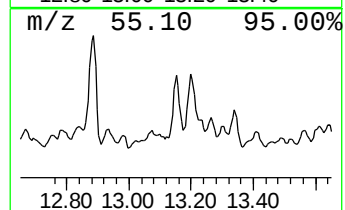
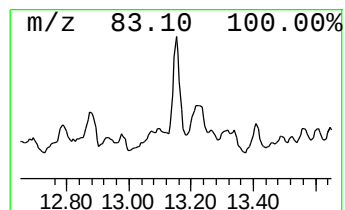
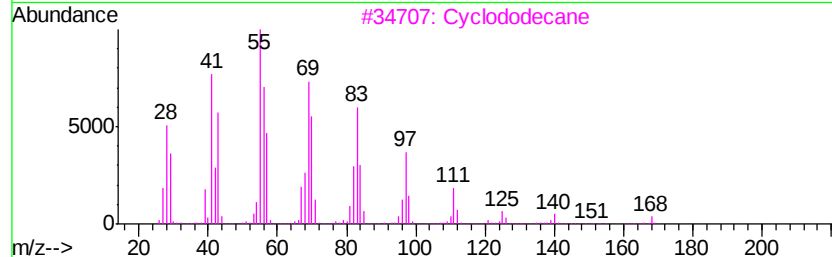
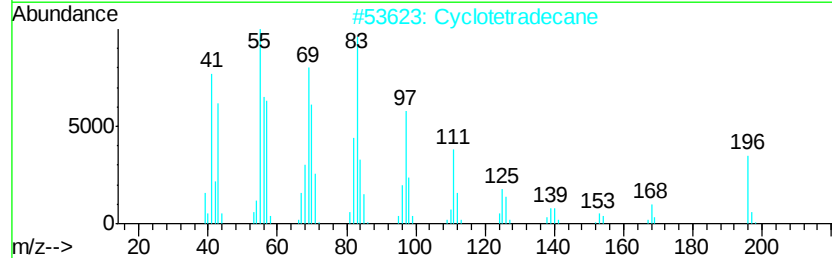
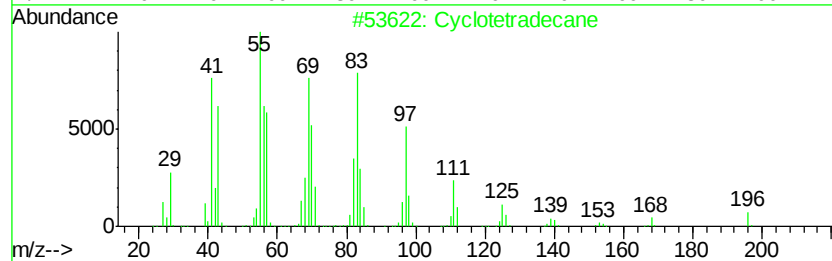
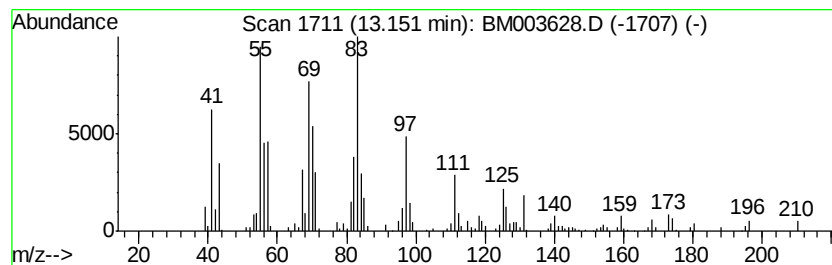
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Quant Title : SVOA CALIBRATION

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

Peak Number 65 (DEL) Alkane: Cyclic13.15 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	9.92 ng/ul	324848	Acenaphthene-d10	14.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetradecane	196	C14H28	000295-17-0	95
2			Cyclotetradecane	196	C14H28	000295-17-0	91
3			Cyclododecane	168	C12H24	000294-62-2	89
4			5-Tetradecene, (E)-	196	C14H28	041446-66-6	86
5			Cyclooctane, 1,2-diethyl-	168	C12H24	023609-46-3	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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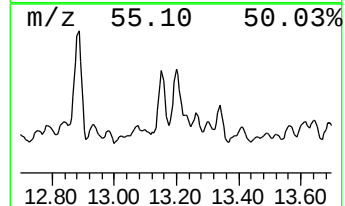
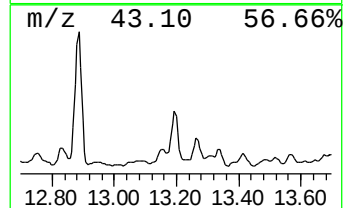
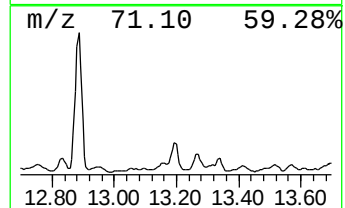
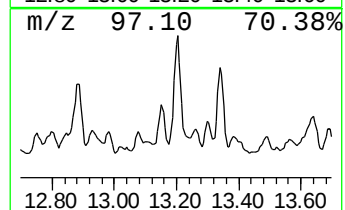
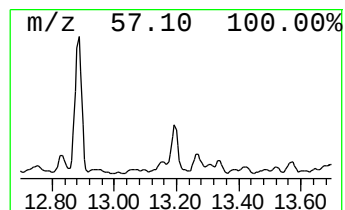
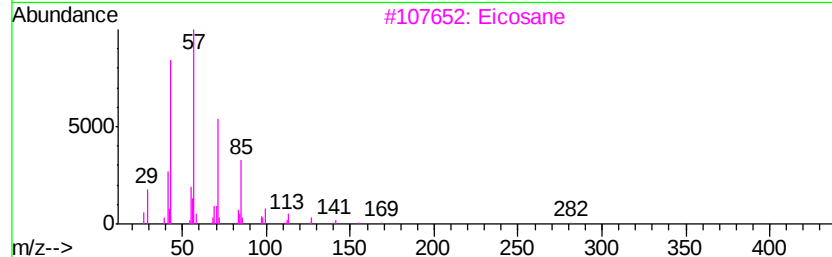
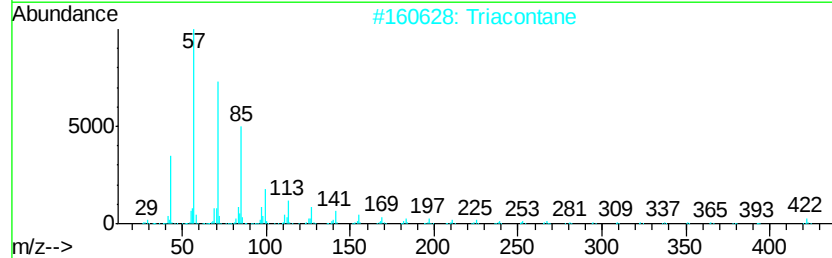
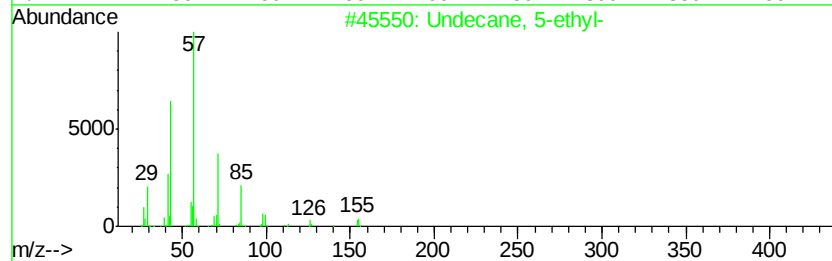
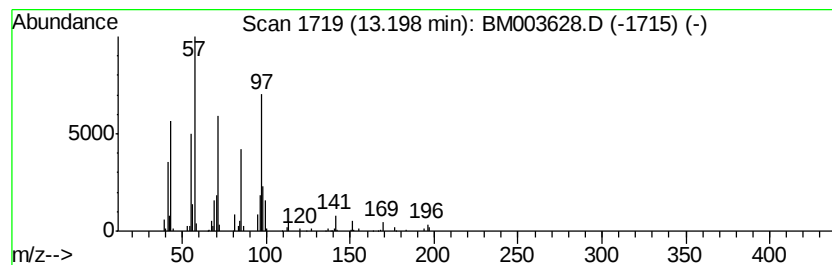
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Quant Title : SVOA CALIBRATION

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

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	10.81 ng/ul	353783	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	47
2		Triacontane	422	C30H62	000638-68-6	47
3		Eicosane	282	C20H42	000112-95-8	47
4		Pentadecane, 6-methyl-	226	C16H34	010105-38-1	43
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

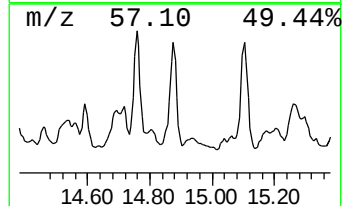
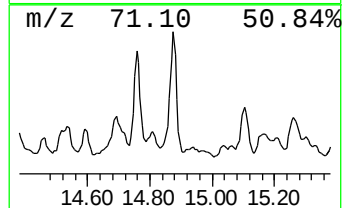
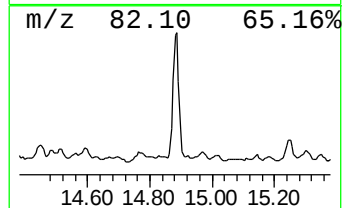
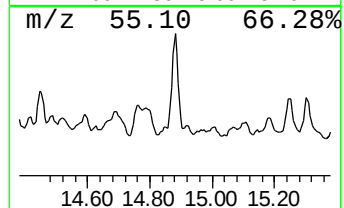
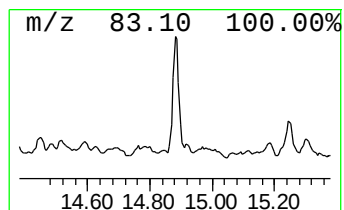
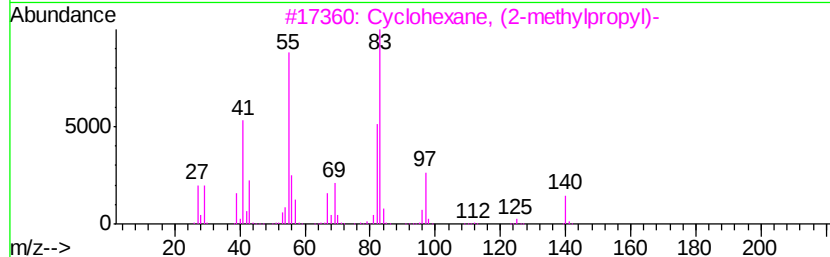
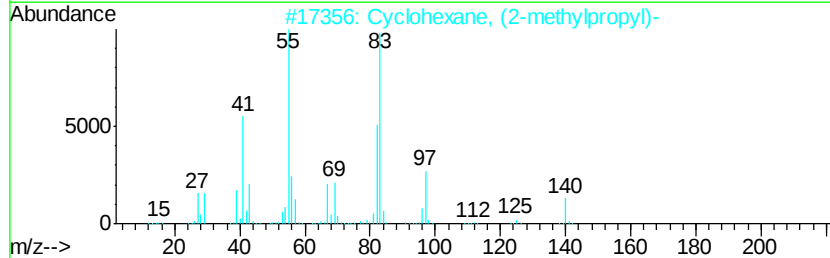
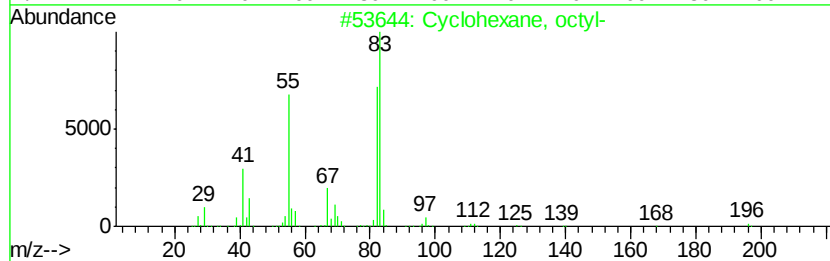
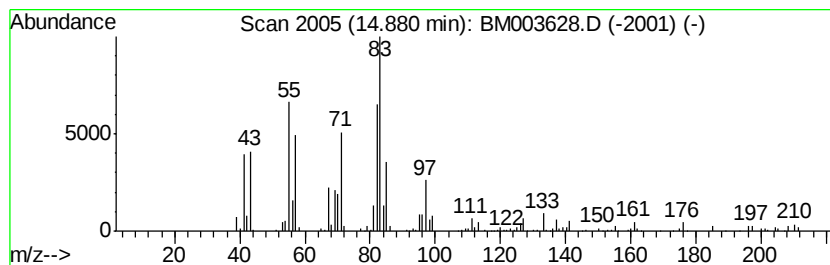
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Quant Title : SVOA CALIBRATION

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

Peak Number 70 (DEL) Alkane: Cyclic14.88 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	11.67 ng/ul	382157	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, octyl-	196	C14H28	001795-15-9	60
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
4		Heptylcyclohexane	182	C13H26	005617-41-4	47
5		Cyclohexane, undecyl-	238	C17H34	054105-66-7	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
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Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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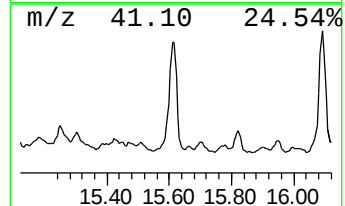
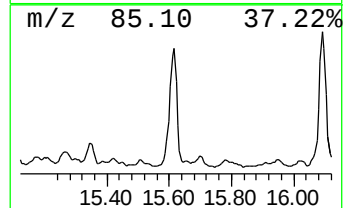
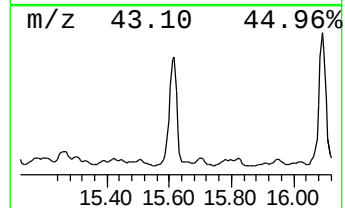
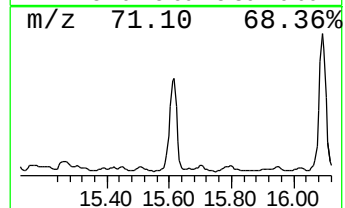
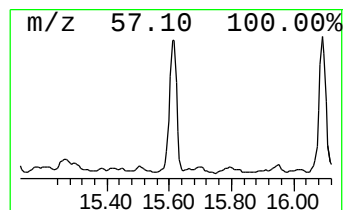
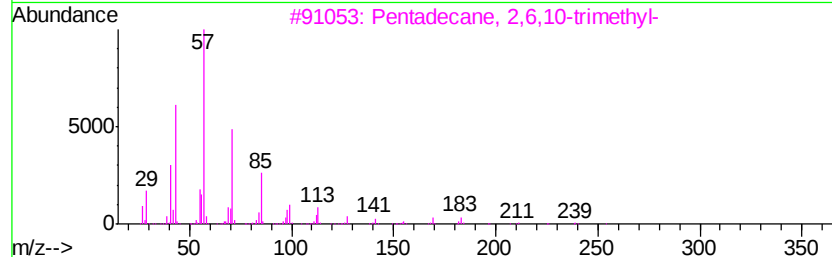
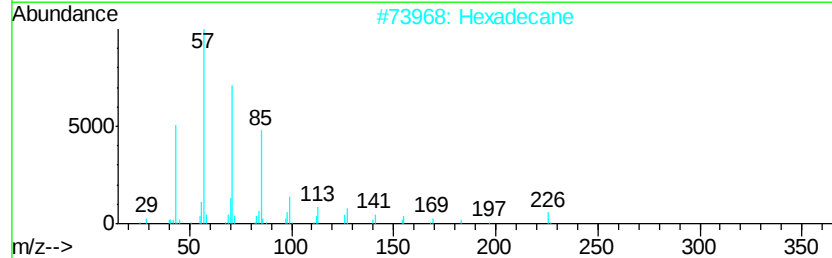
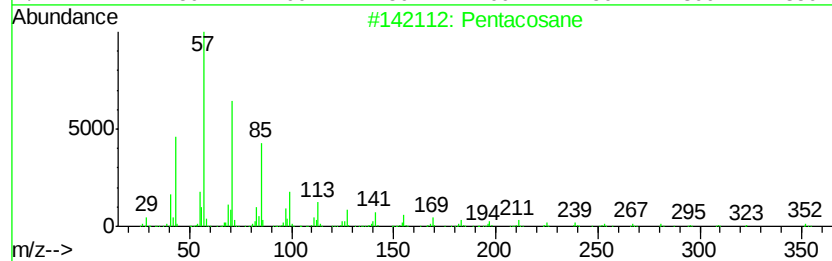
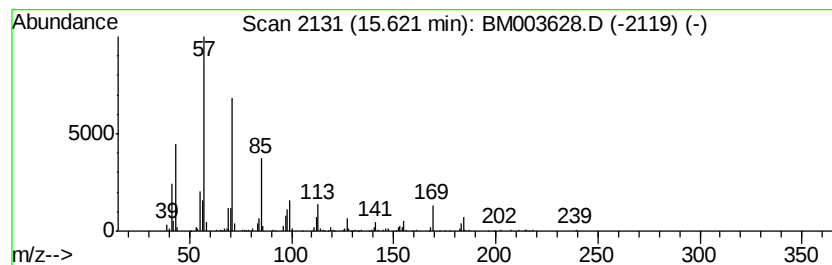
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Quant Title : SVOA CALIBRATION

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

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	24.79 ng/ul	811407	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacosane	352	C25H52	000629-99-2	80
2		Hexadecane	226	C16H34	000544-76-3	80
3		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
4		Docosane	310	C22H46	000629-97-0	80
5		Decane, 2-methyl-	156	C11H24	006975-98-0	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

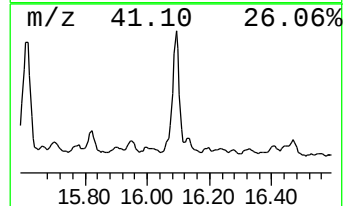
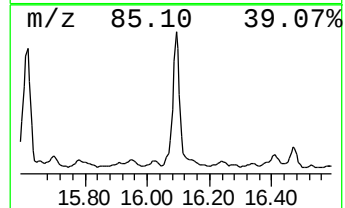
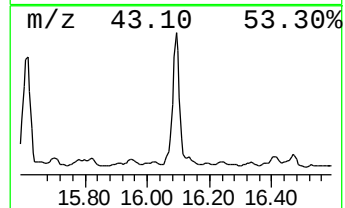
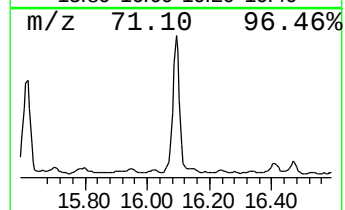
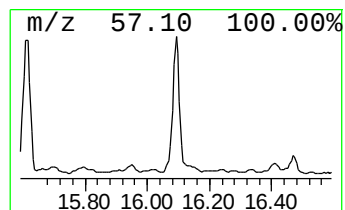
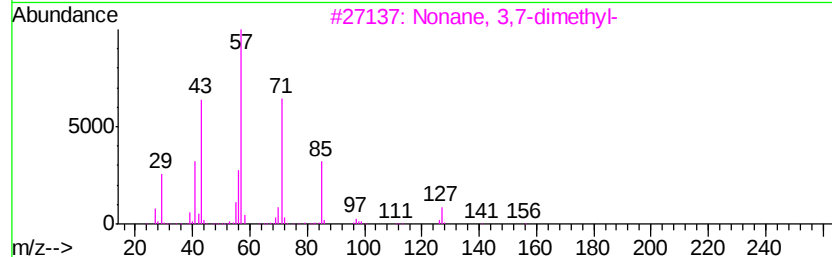
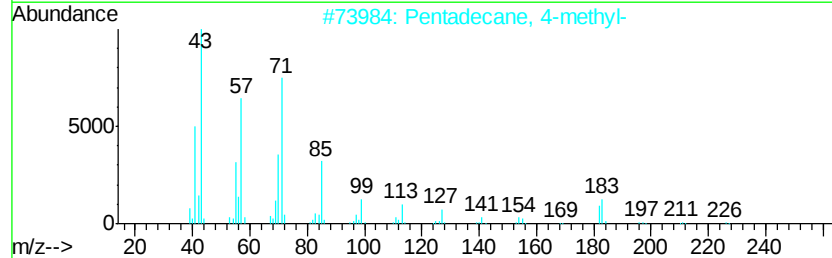
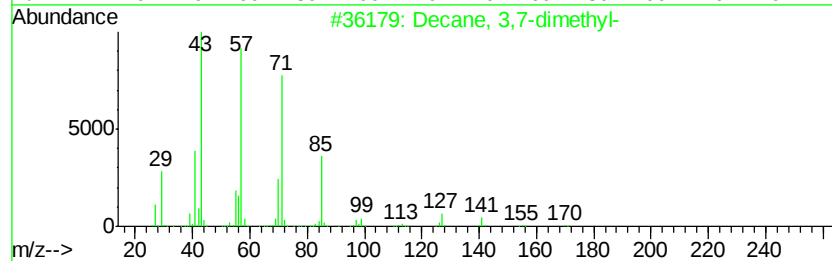
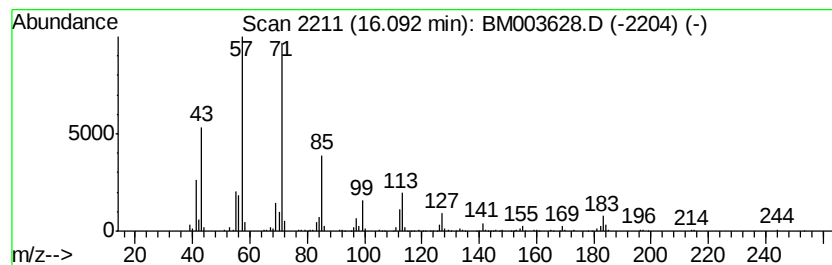
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	21.80 ng/ul	849566	Phenanthrene-d10	17.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	74
2			Pentadecane, 4-methyl-	226	C16H34	002801-87-8	72
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
4			Tridecane, 4-methyl-	198	C14H30	026730-12-1	64
5			Dodecane	170	C12H26	000112-40-3	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003628.D
Acq On : 19 Dec 2015 20:08
Operator : UM/SJ
Sample : G4801-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9C69

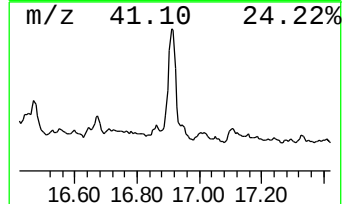
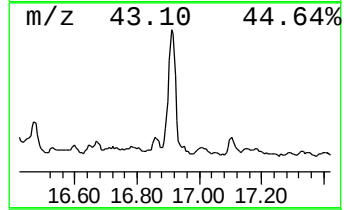
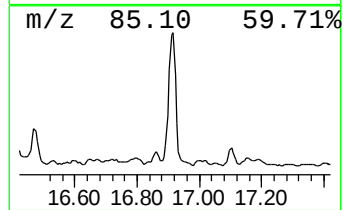
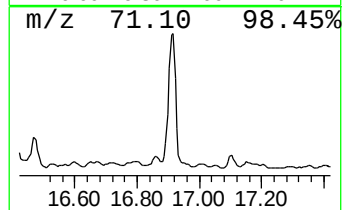
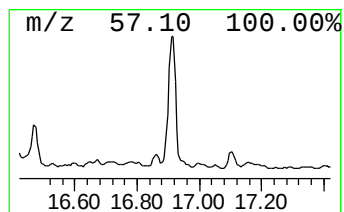
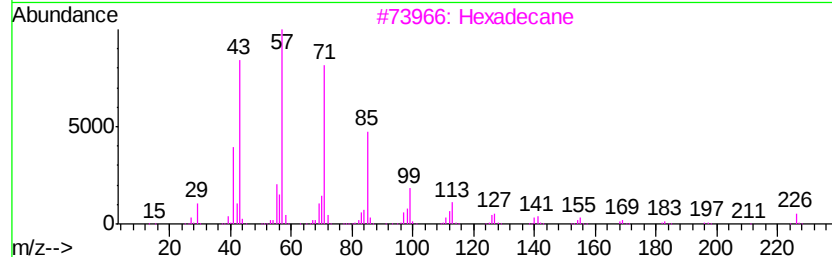
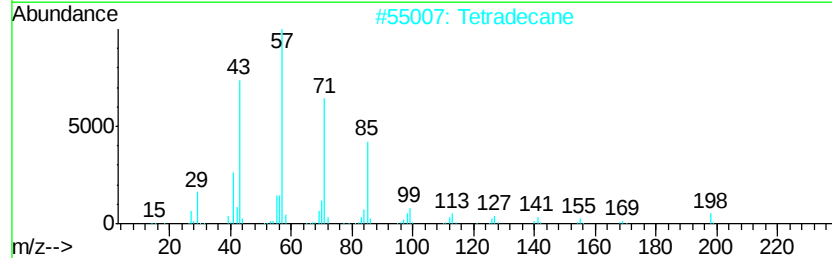
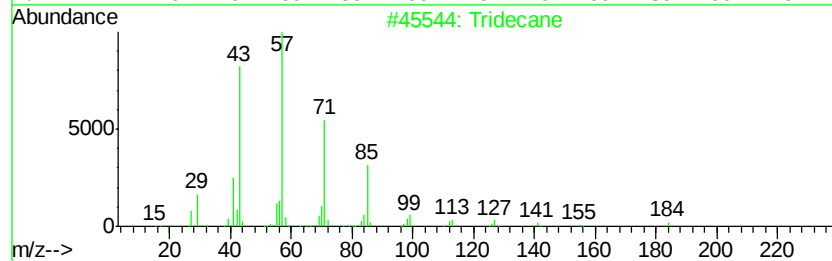
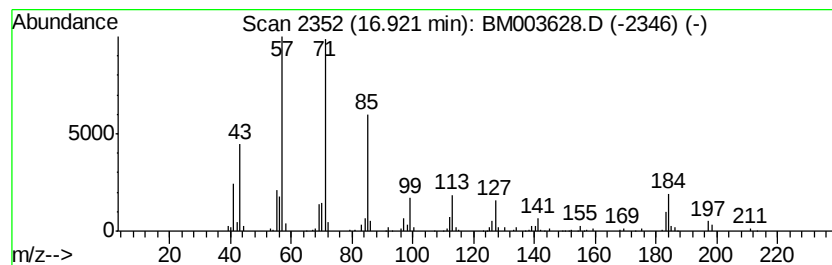
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	7.82 ng/ul	304693	Phenanthrene-d10	17.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	87
2			Tetradecane	198	C14H30	000629-59-4	87
3			Hexadecane	226	C16H34	000544-76-3	83
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
5			Tridecane	184	C13H28	000629-50-5	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121915\
 Data File : BM003628.D
 Acq On : 19 Dec 2015 20:08
 Operator : UM/SJ
 Sample : G4801-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9C69

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION

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

						--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
(DEL) Alkane: Cyc...	3.42	3.7	ng/ul	352757	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	4.08	5.0	ng/ul	476586	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	4.22	3.8	ng/ul	361979	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	4.36	3.5	ng/ul	333377	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	4.65	5.9	ng/ul	559537	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	4.85	6.0	ng/ul	564178	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	4.90	10.2	ng/ul	964237	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	5.06	3.0	ng/ul	286361	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.14	5.9	ng/ul	562092	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	5.29	6.0	ng/ul	566274	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.40	3.3	ng/ul	309999	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.50	3.5	ng/ul	335277	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.58	6.8	ng/ul	641586	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.66	5.8	ng/ul	551194	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.72	4.9	ng/ul	461492	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.80	3.5	ng/ul	330436	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	5.97	10.6	ng/ul	999087	1	7.70	1892190	20.0	
2-Methyl-1-undecanol	6.09	4.4	ng/ul	419370	1	7.70	1892190	20.0	
(DEL) Alkane: Bra...	6.20	13.0	ng/ul	1229890	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	6.26	10.9	ng/ul	1028670	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	6.34	14.8	ng/ul	1402390	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	6.37	10.3	ng/ul	971999	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	6.52	3.1	ng/ul	290755	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	6.60	7.0	ng/ul	664319	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	6.69	16.9	ng/ul	1602420	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	6.75	4.2	ng/ul	393342	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	7.38	3.3	ng/ul	313653	1	7.70	1892190	20.0	
2-Pyrazoline, 1-i...	7.42	4.1	ng/ul	390739	1	7.70	1892190	20.0	
unknown-01	7.60	6.2	ng/ul	585734	1	7.70	1892190	20.0	
Phytol	7.76	3.9	ng/ul	369256	1	7.70	1892190	20.0	
unknown-02	7.89	5.3	ng/ul	506313	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	7.99	13.4	ng/ul	1264540	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	8.05	3.6	ng/ul	338529	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	8.23	5.6	ng/ul	533009	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	8.29	4.1	ng/ul	391191	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	8.36	6.3	ng/ul	600982	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	8.46	5.7	ng/ul	539589	1	7.70	1892190	20.0	
(DEL) Alkane: Bra...	8.53	4.0	ng/ul	374262	1	7.70	1892190	20.0	
Benzene, 1-ethyl-...	8.80	17.2	ng/ul	1623940	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	9.01	3.6	ng/ul	343066	1	7.70	1892190	20.0	
(DEL) Alkane: Cyc...	9.05	6.6	ng/ul	624672	1	7.70	1892190	20.0	
(DEL) Alkane: Str...	9.17	12.6	ng/ul	772684	2	10.49	1229880	20.0	
(DEL) Alkane: Str...	9.34	10.3	ng/ul	635323	2	10.49	1229880	20.0	
(DEL) Alkane: Bra...	9.41	8.0	ng/ul	493656	2	10.49	1229880	20.0	
(DEL) Alkane: Bra...	9.67	10.6	ng/ul	653117	2	10.49	1229880	20.0	
(DEL) Alkane: Str...	9.75	7.4	ng/ul	454143	2	10.49	1229880	20.0	
(DEL) Alkane: Str...	9.84	6.9	ng/ul	422264	2	10.49	1229880	20.0	
(DEL) Alkane: Str...	10.02	4.9	ng/ul	299014	2	10.49	1229880	20.0	
(DEL) Alkane: Cyc...	10.39	6.4	ng/ul	393248	2	10.49	1229880	20.0	

(DEL) Alkane: Cyc...	10.98	6.0 ng/ul	368379	2	10.49	1229880	20.0
(DEL) Alkane: Cyc...	11.16	4.8 ng/ul	294473	2	10.49	1229880	20.0
(DEL) Alkane: Cyc...	11.19	14.2 ng/ul	874436	2	10.49	1229880	20.0
(DEL) Alkane: Str...	11.33	7.0 ng/ul	433177	2	10.49	1229880	20.0
(DEL) Alkane: Str...	11.52	24.1 ng/ul	1483050	2	10.49	1229880	20.0
(DEL) Alkane: Str...	11.78	6.8 ng/ul	421360	2	10.49	1229880	20.0
Naphthalene, 1-me...	12.38	10.6 ng/ul	653648	2	10.49	1229880	20.0
(DEL) Alkane: Str...	12.56	9.3 ng/ul	304327	3	14.35	654741	20.0
(DEL) Alkane: Bra...	12.62	15.1 ng/ul	493429	3	14.35	654741	20.0
(DEL) Alkane: Str...	12.89	33.6 ng/ul	1101160	3	14.35	654741	20.0
(DEL) Alkane: Cyc...	13.15	9.9 ng/ul	324848	3	14.35	654741	20.0
(DEL) Alkane: Str...	13.20	10.8 ng/ul	353783	3	14.35	654741	20.0
(DEL) Alkane: Cyc...	14.88	11.7 ng/ul	382157	3	14.35	654741	20.0
(DEL) Alkane: Str...	15.62	24.8 ng/ul	811407	3	14.35	654741	20.0
(DEL) Alkane: Str...	16.09	21.8 ng/ul	849566	4	17.10	779510	20.0
(DEL) Alkane: Str...	16.92	7.8 ng/ul	304693	4	17.10	779510	20.0

Instrument :
BNA_M
ClientSampleId :
G9C69