

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
 Data File : BM005561.D
 Acq On : 21 May 2016 21:34
 Operator : UM/SJ
 Sample : H3086-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGJ5

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.652	6	11	32	rVB2	61848	167714	7.46%	0.515%
2	6.105	591	598	606	rBV4	43932	105894	4.71%	0.325%
3	6.316	628	634	641	rBV5	28148	67975	3.02%	0.209%
4	6.381	641	645	649	rVV	49035	73112	3.25%	0.225%
5	6.463	655	659	661	rVV3	48641	83860	3.73%	0.258%
6	6.493	661	664	672	rVV	74273	120708	5.37%	0.371%
7	6.722	695	703	709	rBV4	26259	66093	2.94%	0.203%
8	6.816	715	719	723	rVB2	47625	66411	2.95%	0.204%
9	6.916	732	736	740	rBV3	31302	48166	2.14%	0.148%
10	6.981	740	747	760	rVB	319639	612837	27.25%	1.882%
11	7.152	771	776	782	rBV	208303	328602	14.61%	1.009%
12	7.210	782	786	790	rBV2	39348	59149	2.63%	0.182%
13	7.310	799	803	805	rBV2	38352	57123	2.54%	0.175%
14	7.352	805	810	826	rVB	275206	576730	25.65%	1.771%
15	7.469	826	830	834	rBV	52866	84082	3.74%	0.258%
16	7.540	837	842	848	rVB2	41881	77615	3.45%	0.238%
17	7.646	854	860	867	rVB6	26910	63365	2.82%	0.195%
18	7.746	867	877	880	rBV7	51657	143449	6.38%	0.441%
19	7.822	880	890	896	rVB2	337375	781440	34.75%	2.400%
20	7.893	896	902	906	rVB4	31200	58967	2.62%	0.181%
21	7.957	906	913	916	rBV7	29395	69266	3.08%	0.213%
22	8.005	916	921	925	rVV4	47242	85135	3.79%	0.261%
23	8.105	934	938	944	rVB2	60983	100503	4.47%	0.309%
24	8.346	970	979	982	rBV4	61568	136365	6.06%	0.419%
25	8.375	982	984	987	rVV	42370	57392	2.55%	0.176%
26	8.405	987	989	994	rVB	38426	49171	2.19%	0.151%
27	8.481	994	1002	1003	rBV5	34378	61549	2.74%	0.189%
28	8.516	1003	1008	1015	rVB	295564	467944	20.81%	1.437%
29	8.652	1026	1031	1036	rBV	76551	128633	5.72%	0.395%
30	8.810	1048	1058	1066	rVB8	24608	94198	4.19%	0.289%
31	8.922	1066	1077	1081	rBV5	95900	254936	11.34%	0.783%
32	8.975	1081	1086	1091	rVV	237189	416947	18.54%	1.281%
33	9.016	1091	1093	1099	rVB3	49565	66189	2.94%	0.203%
34	9.128	1108	1112	1115	rBV3	52168	92969	4.13%	0.286%

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
 Data File : BM005561.D
 Acq On : 21 May 2016 21:34
 Operator : UM/SJ
 Sample : H3086-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGJ5

Integration Parameters: LSCINT.P

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

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

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

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

35	9.169	1115	1119	1125	rVB4	65124	135357	6.02%	0.416%
36	9.287	1134	1139	1145	rVB5	29050	72146	3.21%	0.222%
37	9.534	1173	1181	1187	rBV2	130221	235711	10.48%	0.724%
38	9.693	1201	1208	1213	rBV	195672	349875	15.56%	1.075%
39	9.740	1213	1216	1220	rVV2	71815	96071	4.27%	0.295%
40	9.793	1220	1225	1231	rVB2	190392	305536	13.59%	0.938%
41	9.957	1246	1253	1258	rVB4	67885	122536	5.45%	0.376%
42	10.140	1281	1284	1288	rVB	41831	53787	2.39%	0.165%
43	10.228	1289	1299	1306	rVB	305511	586840	26.10%	1.803%
44	10.316	1308	1314	1316	rBV3	47228	85185	3.79%	0.262%
45	10.393	1322	1327	1332	rVB3	42453	77655	3.45%	0.239%
46	10.469	1336	1340	1343	rBV3	31717	49515	2.20%	0.152%
47	10.610	1353	1364	1372	rVB	492783	1067934	47.49%	3.280%
48	10.746	1380	1387	1389	rBV	298675	548437	24.39%	1.685%
49	10.834	1397	1402	1405	rBV6	42914	81648	3.63%	0.251%
50	10.898	1410	1413	1418	rVB5	44028	70523	3.14%	0.217%
51	11.022	1429	1434	1440	rVB5	53152	84509	3.76%	0.260%
52	11.098	1443	1447	1452	rVB3	56950	90626	4.03%	0.278%
53	11.310	1471	1483	1490	rVV8	129622	450735	20.04%	1.384%
54	11.369	1490	1493	1499	rVV5	51418	97187	4.32%	0.299%
55	11.440	1501	1505	1511	rVB3	98200	166662	7.41%	0.512%
56	11.634	1533	1538	1547	rBV	345474	621487	27.64%	1.909%
57	11.798	1562	1566	1570	rBV3	46335	74356	3.31%	0.228%
58	11.893	1575	1582	1586	rBV4	75575	158633	7.05%	0.487%
59	12.016	1599	1603	1606	rBV2	39682	70142	3.12%	0.215%
60	12.410	1665	1670	1673	rBV2	53765	110982	4.94%	0.341%
61	12.487	1680	1683	1692	rVB4	71754	145042	6.45%	0.446%
62	12.663	1707	1713	1717	rBV4	104309	195669	8.70%	0.601%
63	12.728	1718	1724	1729	rVV3	128430	276498	12.30%	0.849%
64	12.892	1749	1752	1757	rVB4	70844	97710	4.35%	0.300%
65	12.992	1764	1769	1774	rVB	485880	706485	31.42%	2.170%
66	13.040	1774	1777	1783	rVB4	49976	81656	3.63%	0.251%
67	13.257	1811	1814	1818	rBV2	79194	114451	5.09%	0.352%
68	13.298	1818	1821	1825	rVV2	69400	94118	4.19%	0.289%
69	13.487	1849	1853	1854	rBV3	36757	49068	2.18%	0.151%
70	13.728	1890	1894	1897	rBV5	65015	113558	5.05%	0.349%
71	13.769	1899	1901	1906	rVV	100008	147903	6.58%	0.454%

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
 Data File : BM005561.D
 Acq On : 21 May 2016 21:34
 Operator : UM/SJ
 Sample : H3086-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGJ5

Integration Parameters: LSCINT.P

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

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

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

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

72	13.822	1907	1910	1912	rVV2	89134	123341	5.48%	0.379%
73	13.857	1912	1916	1921	rVV	462746	696307	30.96%	2.139%
74	13.904	1921	1924	1925	rVV2	84593	87111	3.87%	0.268%
75	13.939	1926	1930	1934	rVB	742716	995937	44.29%	3.059%
76	13.981	1934	1937	1939	rBV3	54703	74614	3.32%	0.229%
77	14.145	1960	1965	1970	rVB	555425	789217	35.10%	2.424%
78	14.287	1986	1989	1995	rVB3	119754	216633	9.63%	0.665%
79	14.451	2009	2017	2024	rBV3	624940	1213639	53.97%	3.728%
80	14.581	2037	2039	2043	rVB4	75617	89578	3.98%	0.275%
81	14.639	2045	2049	2054	rBV3	185788	284601	12.66%	0.874%
82	14.857	2082	2086	2090	rVB2	153874	206931	9.20%	0.636%
83	14.981	2102	2107	2117	rBV2	222290	413731	18.40%	1.271%
84	15.075	2119	2123	2126	rBV2	84391	137525	6.12%	0.422%
85	15.445	2181	2186	2190	rVB	686843	983993	43.76%	3.022%
86	15.492	2191	2194	2197	rBV2	81682	110614	4.92%	0.340%
87	15.551	2201	2204	2209	rVB	205477	294118	13.08%	0.903%
88	15.710	2226	2231	2237	rVB	696504	1041627	46.32%	3.199%
89	15.916	2263	2266	2271	rVB2	111737	135763	6.04%	0.417%
90	16.192	2306	2313	2318	rBV	1432069	2248709	100.00%	6.907%
91	17.010	2447	2452	2463	rVB	682388	1118862	49.76%	3.437%
92	17.192	2478	2483	2488	rBV	686979	1045691	46.50%	3.212%
93	17.292	2495	2500	2509	rVB2	717932	1118095	49.72%	3.434%
94	17.610	2550	2554	2561	rVB	181244	275392	12.25%	0.846%
95	19.180	2818	2821	2829	rBV5	51569	93308	4.15%	0.287%
96	19.580	2884	2889	2896	rBV	848989	1189470	52.90%	3.654%
97	19.768	2917	2921	2929	rBV3	76935	138032	6.14%	0.424%
98	21.363	3188	3192	3200	rBV	950109	1240932	55.18%	3.812%
99	23.498	3549	3555	3564	rBV2	604520	1188847	52.87%	3.652%
100	23.645	3574	3580	3590	rVB	657356	1393567	61.97%	4.280%

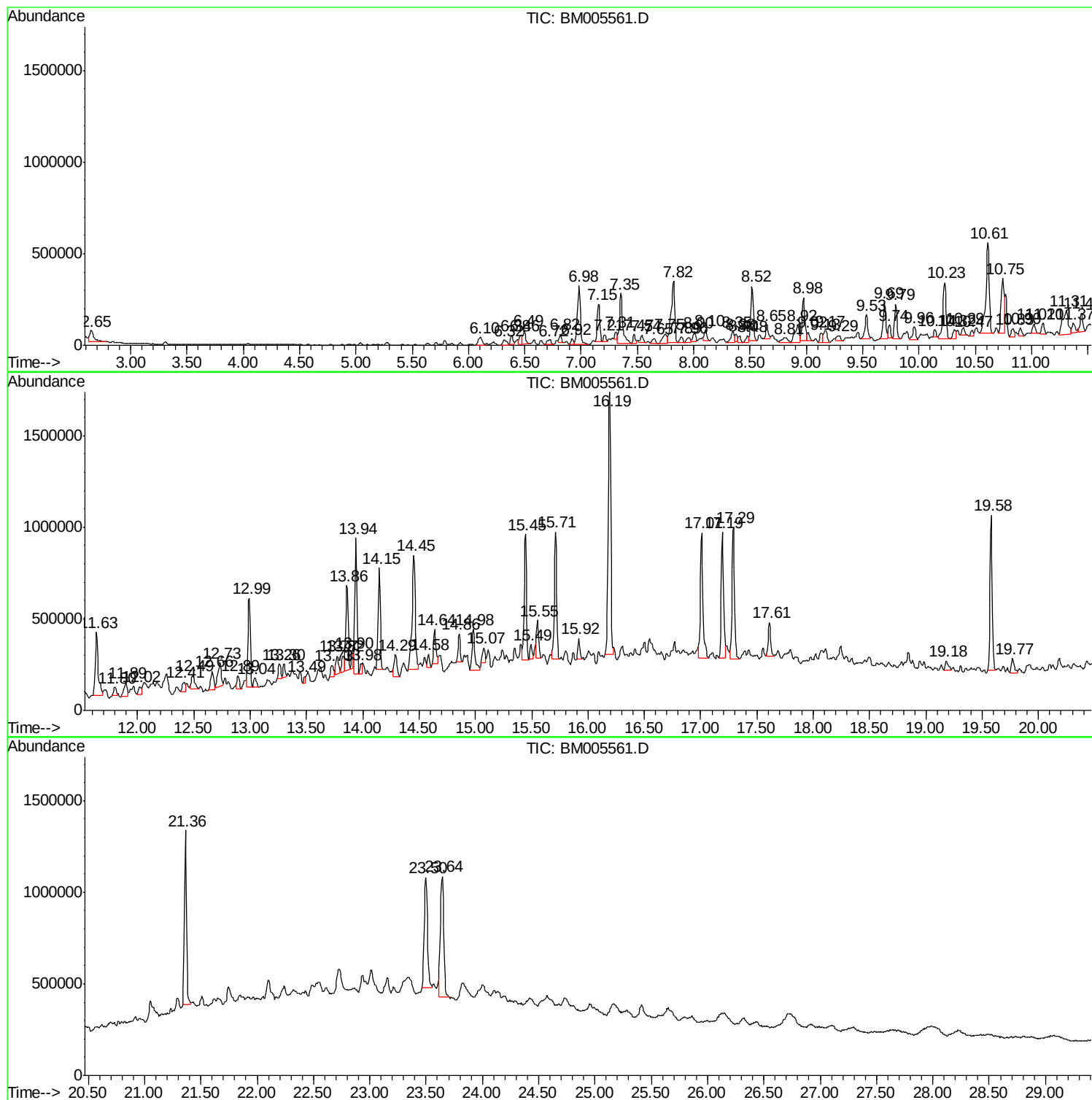
Sum of corrected areas: 32556907

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

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

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

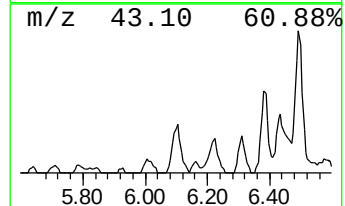
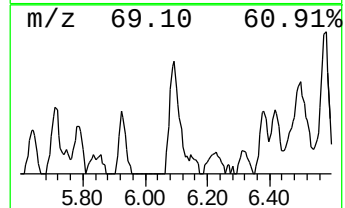
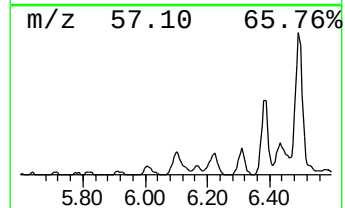
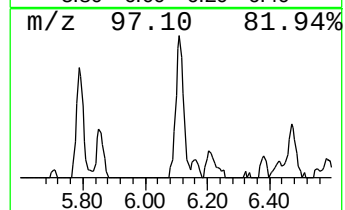
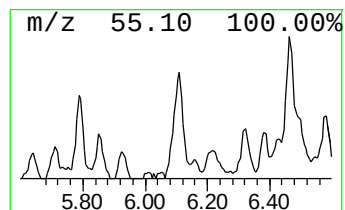
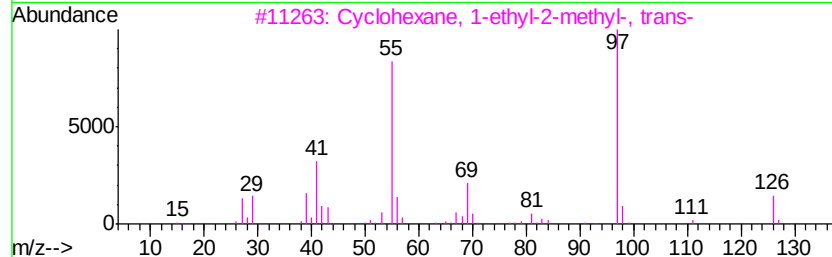
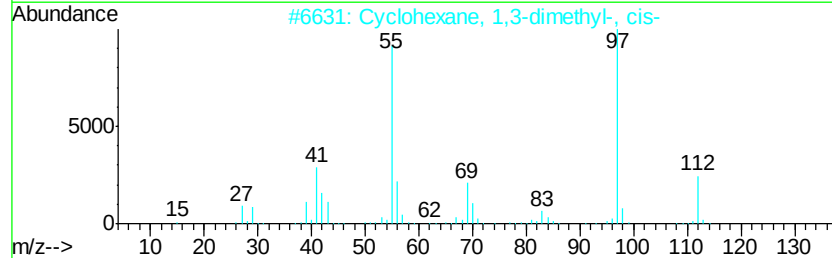
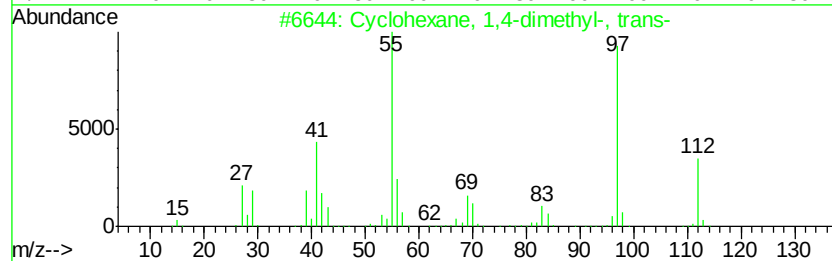
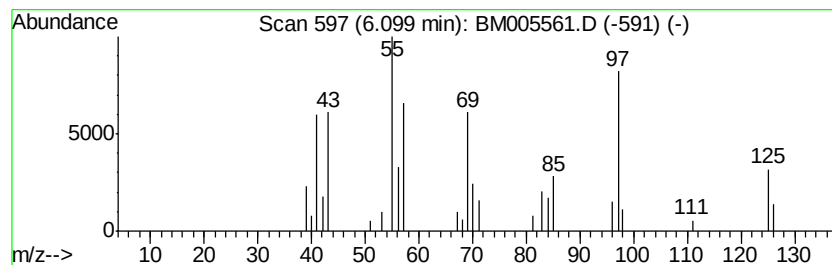
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Cyclic6.10 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	2.71 ng/ul	105894	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	59
2			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	53
3			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
4			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

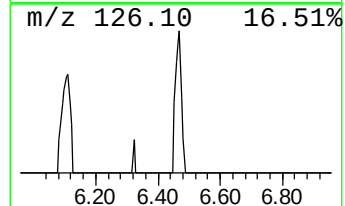
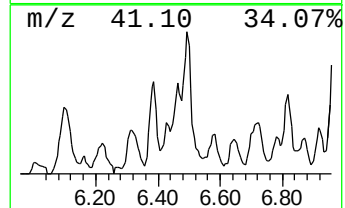
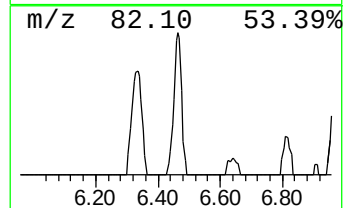
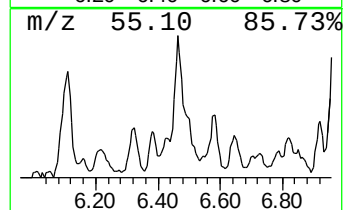
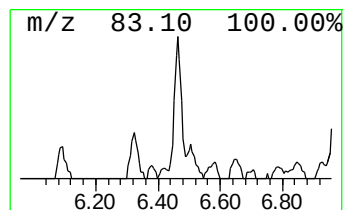
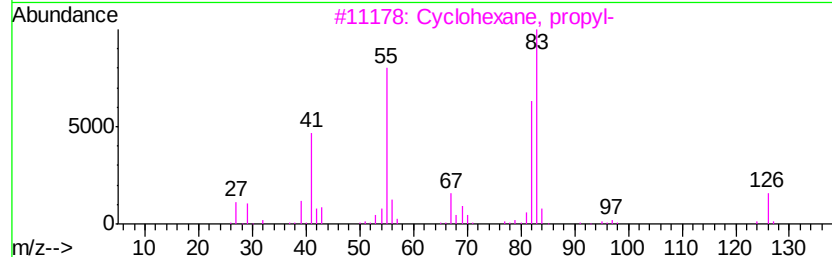
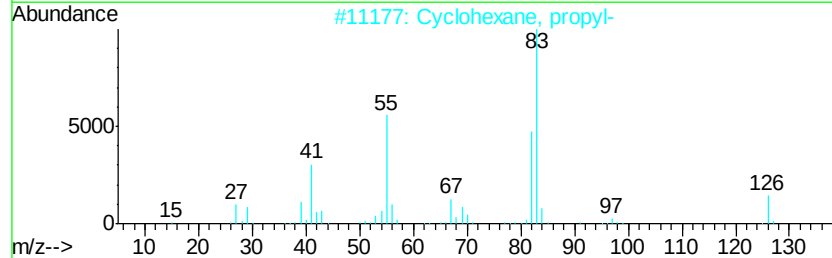
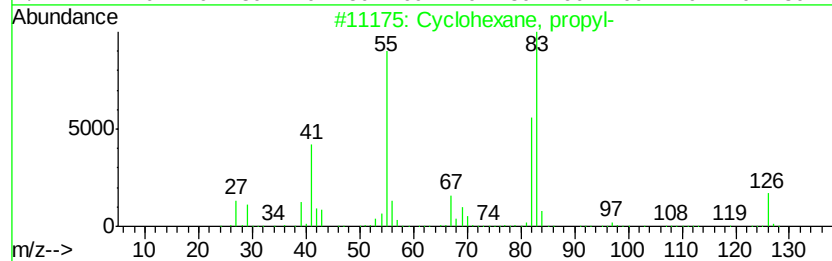
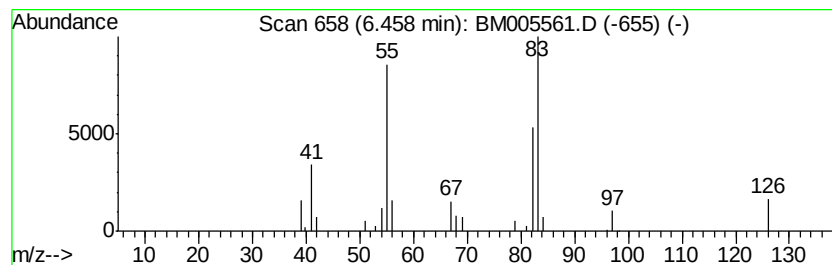
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 (DEL) Alkane: Cyclic6.46 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	2.15 ng/ul	83860	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	76
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
5			Cyclohexane, octyl-	196	C14H28	001795-15-9	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

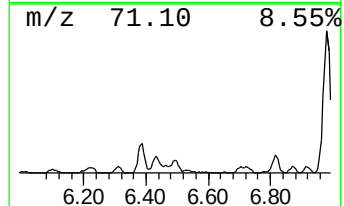
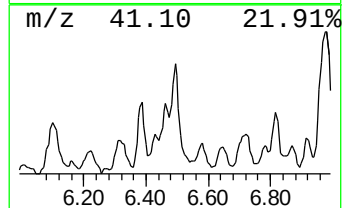
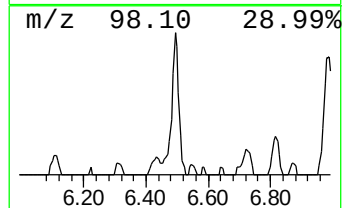
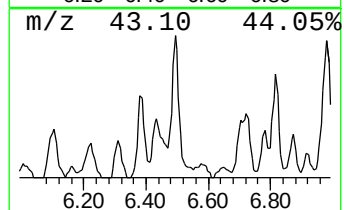
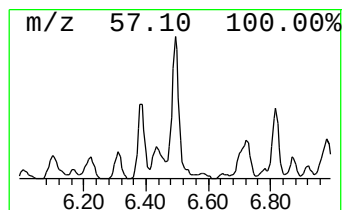
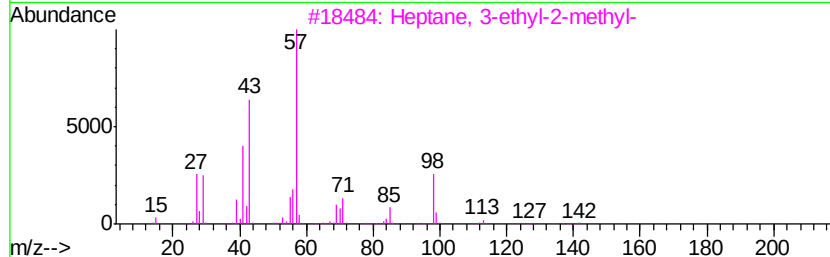
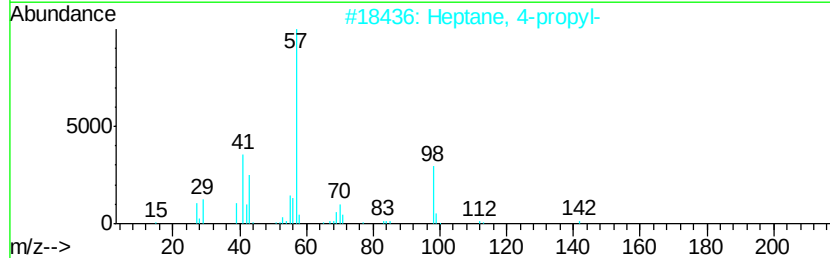
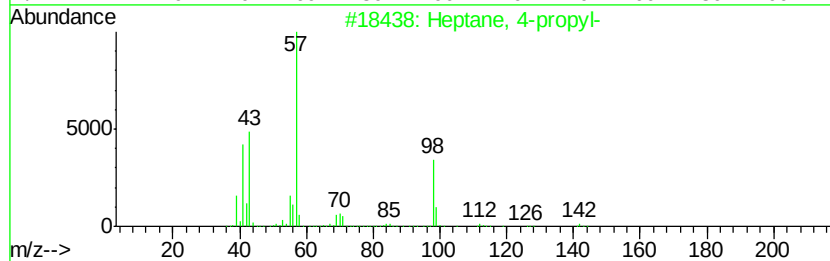
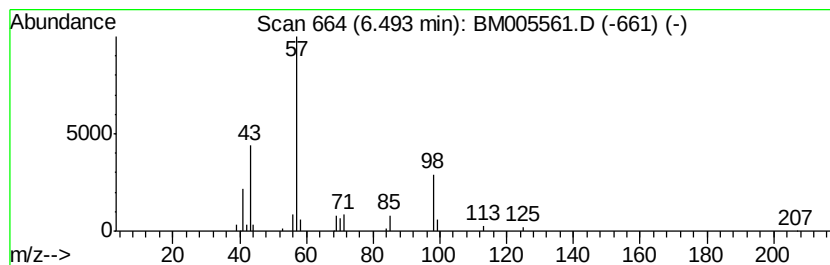
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	3.09 ng/ul	120708	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 4-propyl-	142	C10H22	003178-29-8	78
2		Heptane, 4-propyl-	142	C10H22	003178-29-8	50
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	42
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	40
5		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	40



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

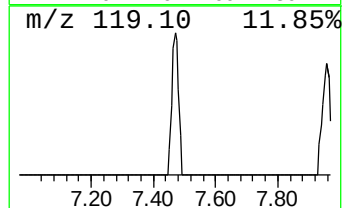
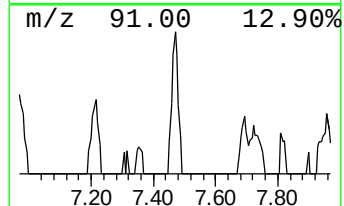
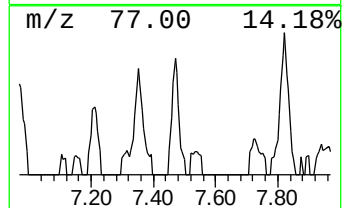
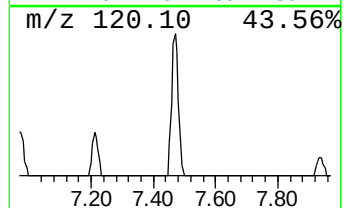
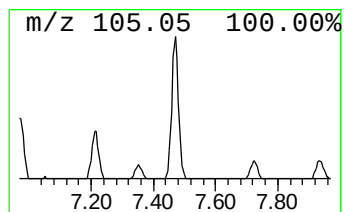
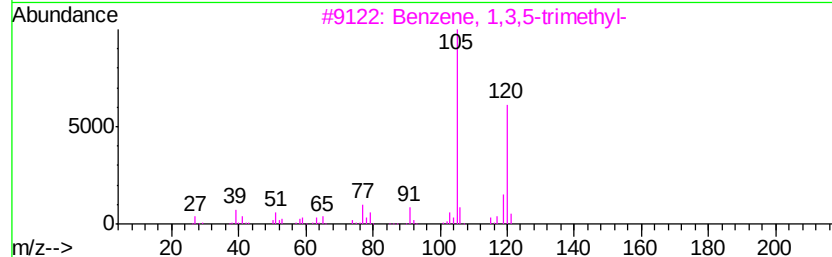
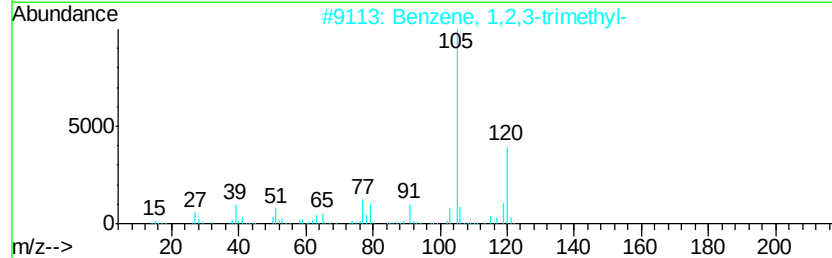
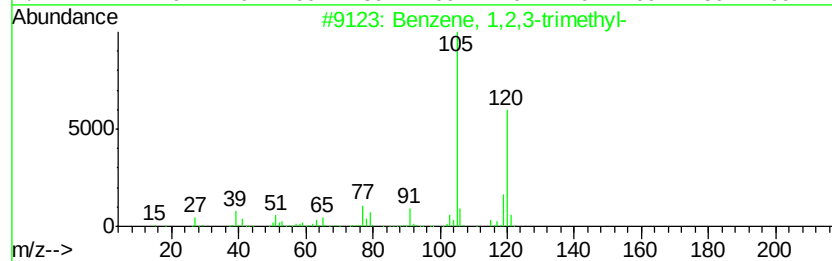
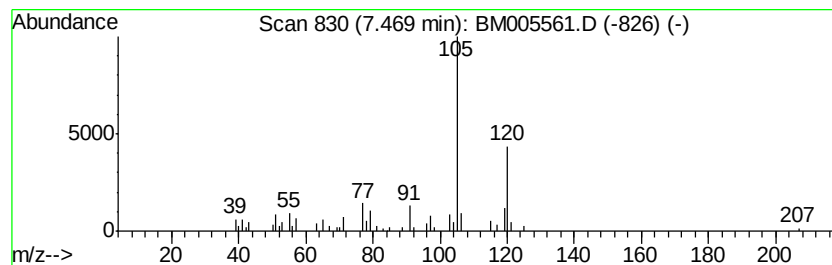
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	2.15 ng/ul	84082	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

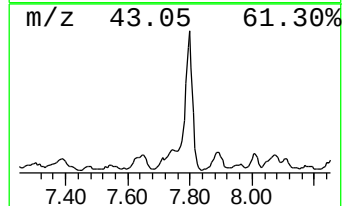
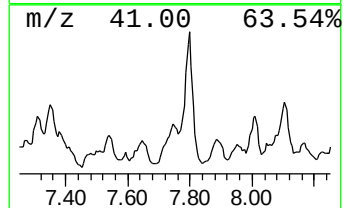
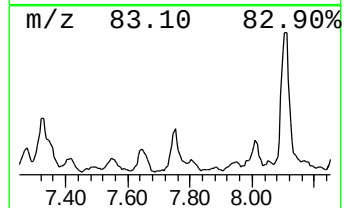
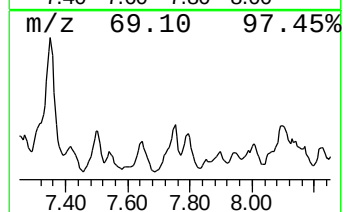
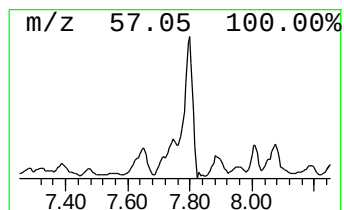
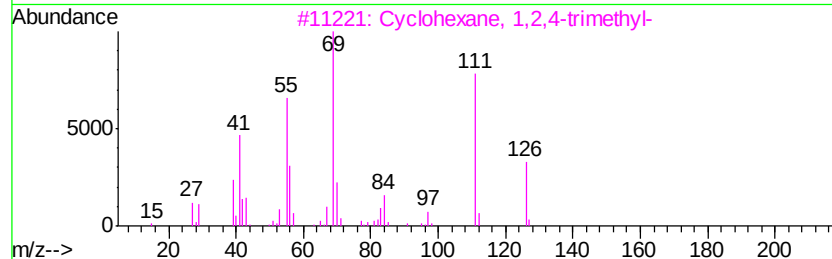
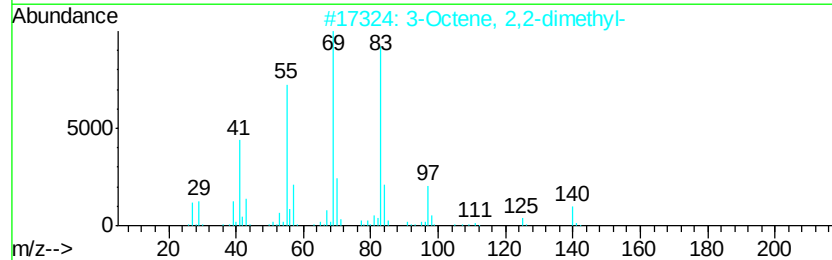
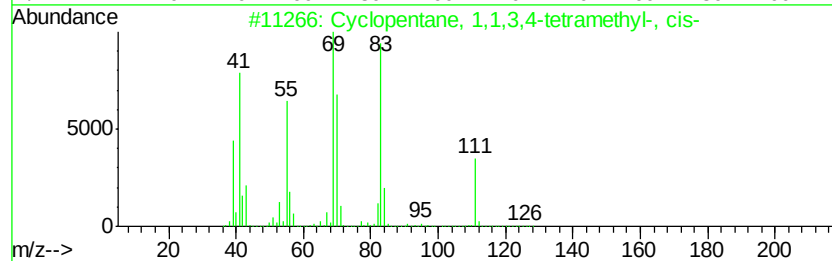
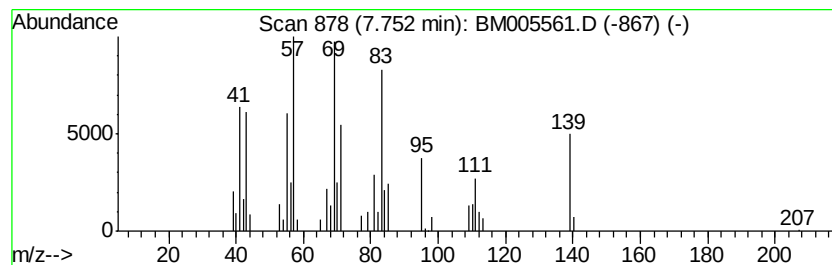
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic7.75 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	3.67 ng/ul	143449	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1,3,4-tetramethyl...	126	C9H18	053907-60-1	35
2		3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	30
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	22
4		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	22
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

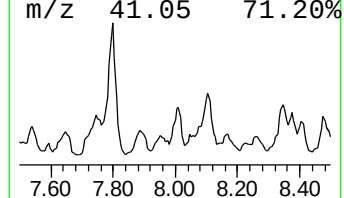
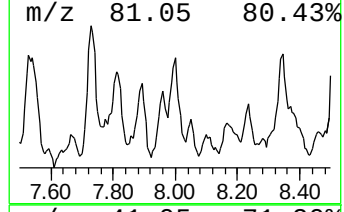
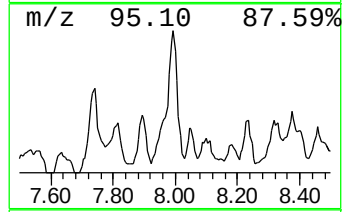
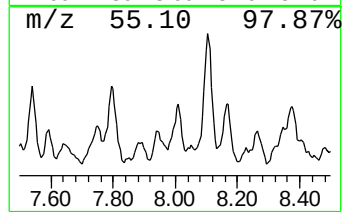
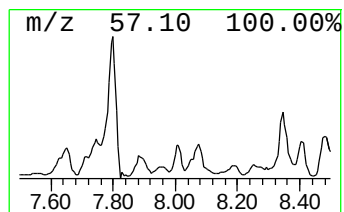
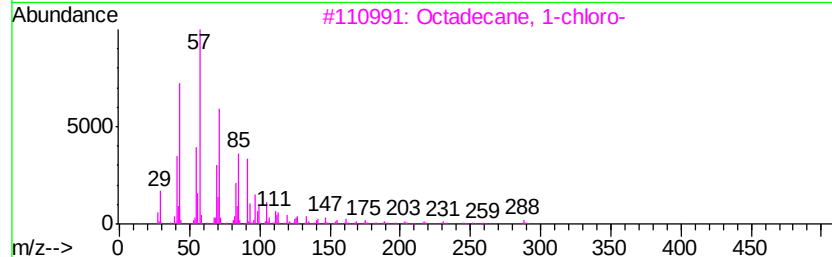
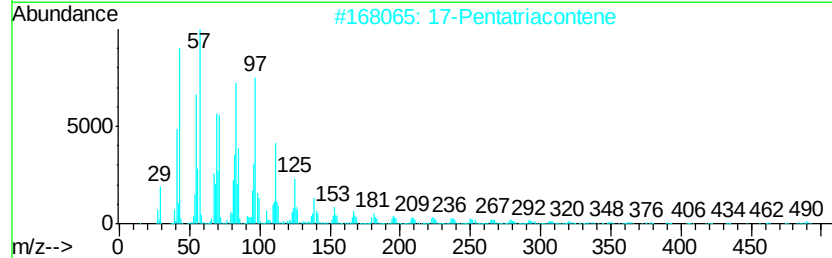
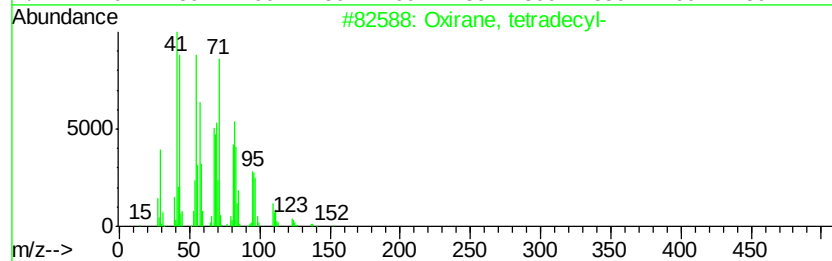
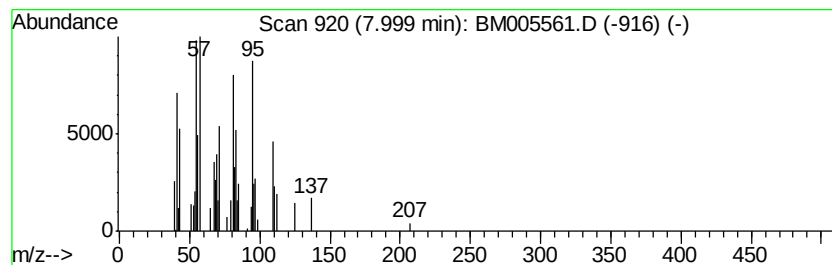
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 unknown-01 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	2.18 ng/ul	85135	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, tetradecyl-	240	C16H32O	007320-37-8	46
2			17-Pentatriacontene	491	C35H70	006971-40-0	43
3			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	14
4			3-Heptene, 3-methyl-	112	C8H16	007300-03-0	11
5			Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	11



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

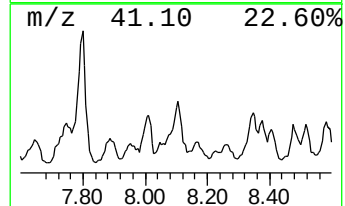
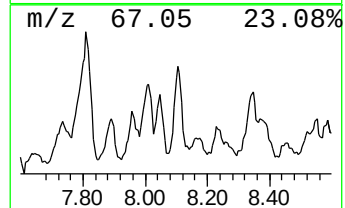
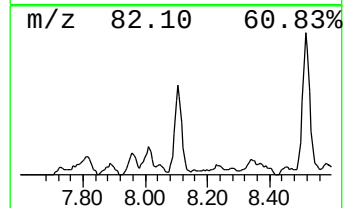
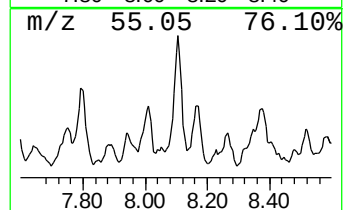
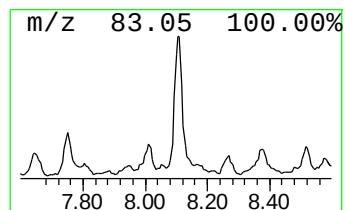
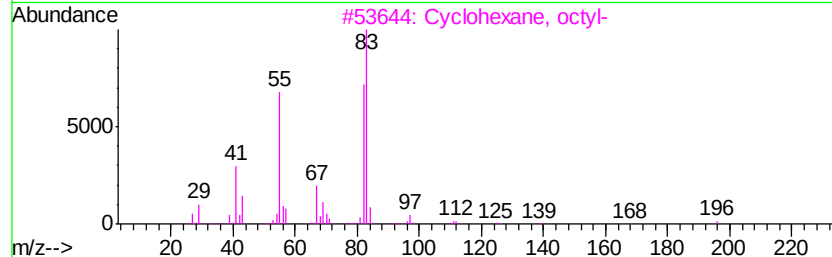
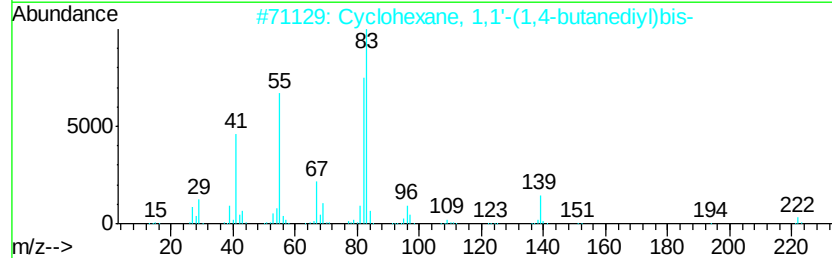
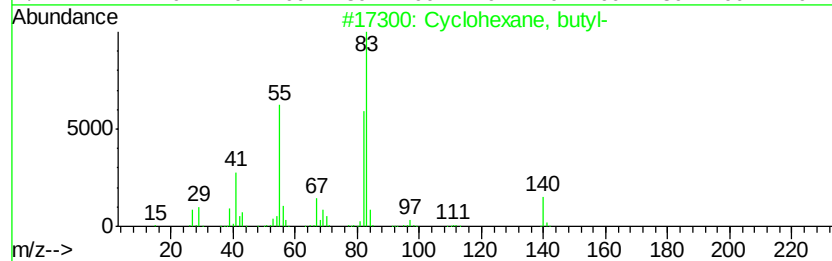
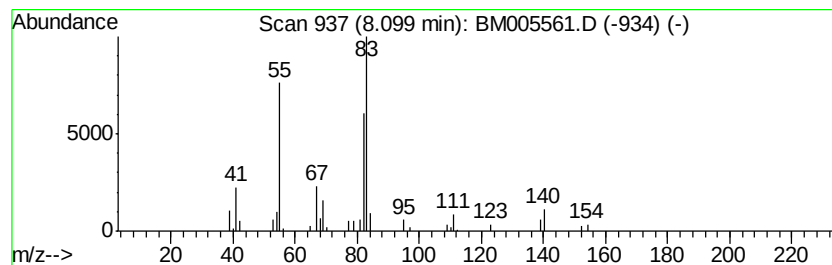
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic8.10 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	2.57 ng/ul	100503	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
2		Cyclohexane, 1,1'-(1,4-butanediyl)...	222	C16H30	006165-44-2	78
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	78
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

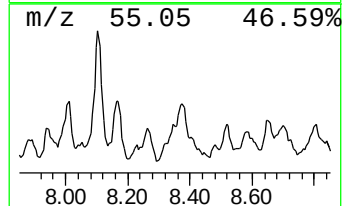
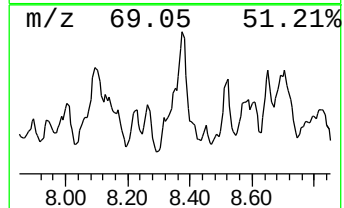
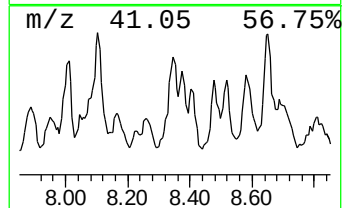
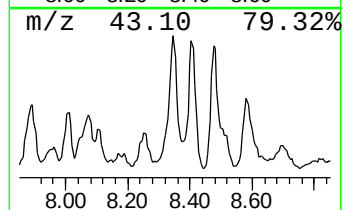
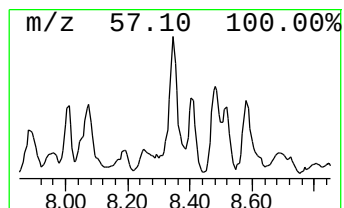
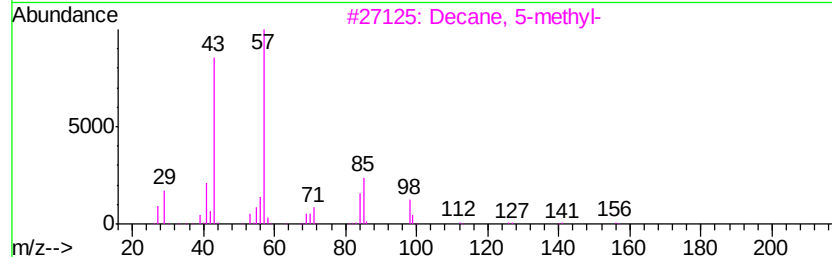
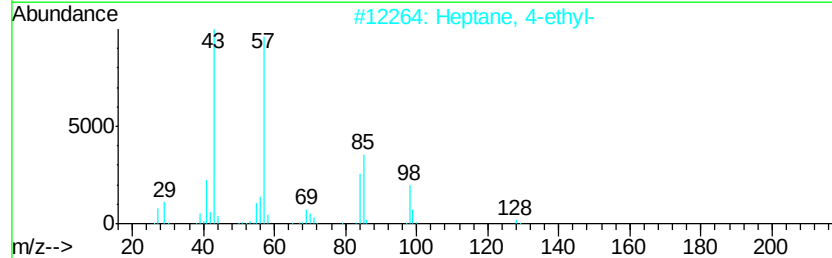
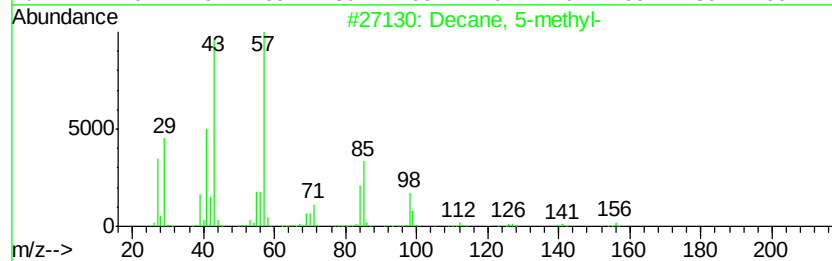
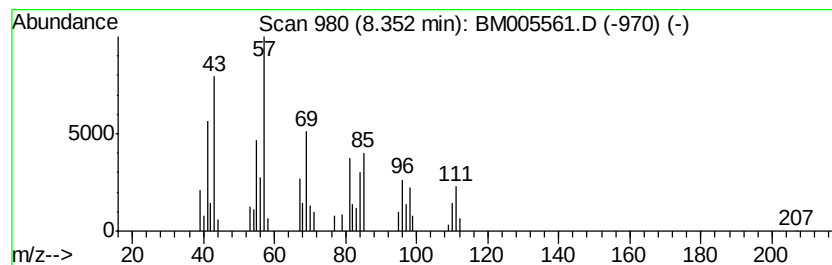
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	3.49 ng/ul	136365	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	43
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	38
3		Decane, 5-methyl-	156	C11H24	013151-35-4	38
4		Nonane	128	C9H20	000111-84-2	35
5		Heptane, 4-ethyl-	128	C9H20	002216-32-2	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

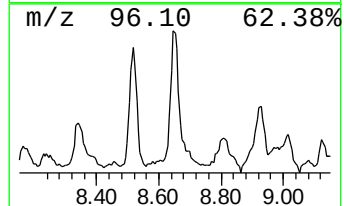
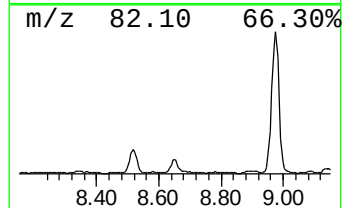
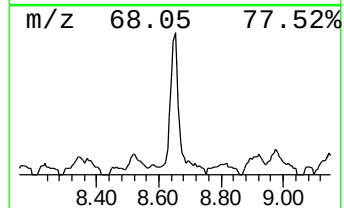
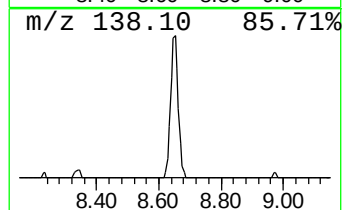
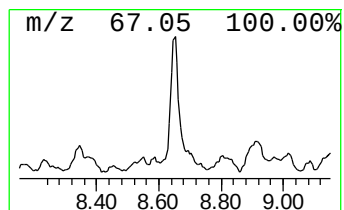
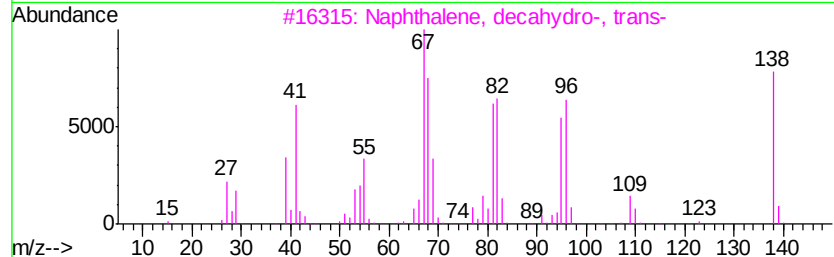
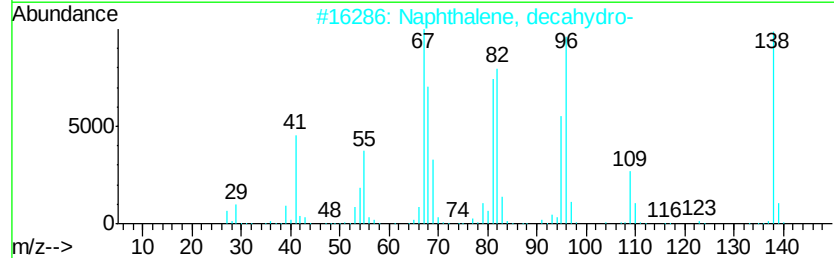
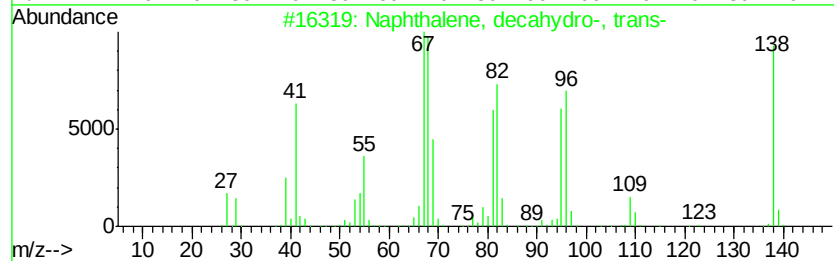
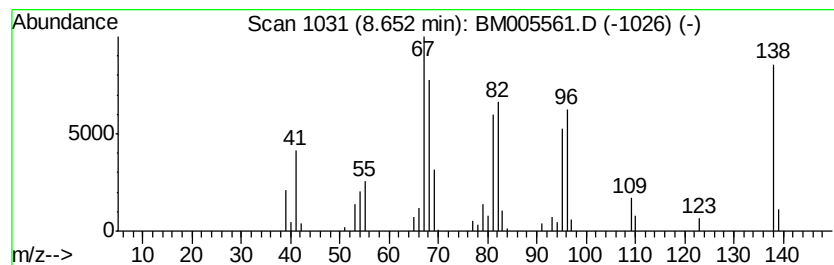
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Branched8.65 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	3.29 ng/ul	128633	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
4		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
5		Naphthalene, decahydro-	138	C10H18	000091-17-8	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

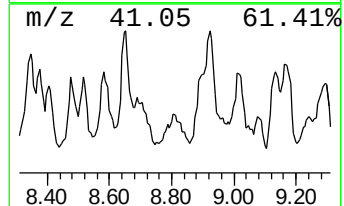
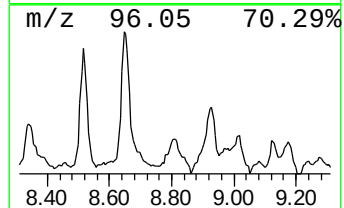
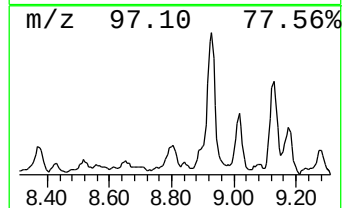
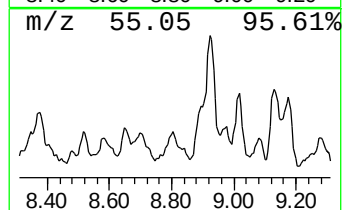
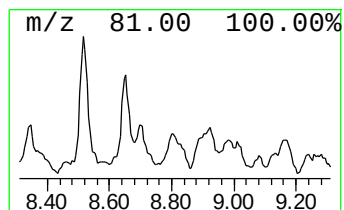
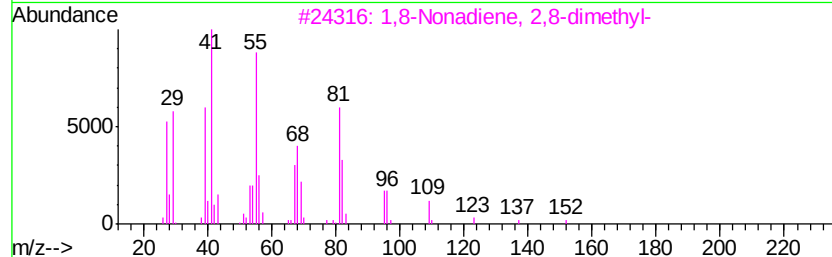
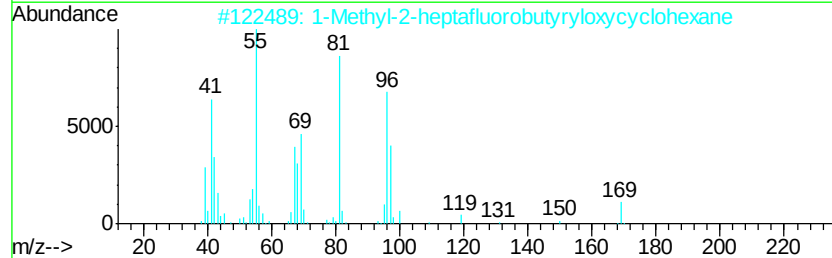
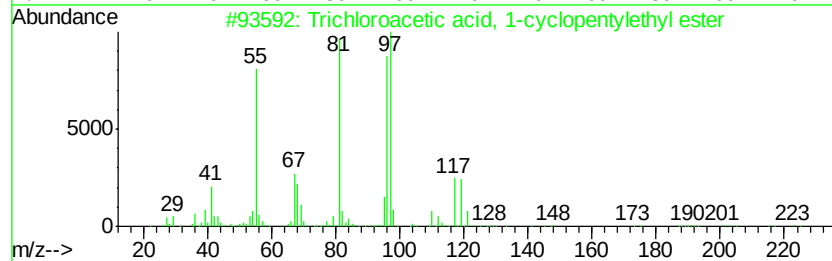
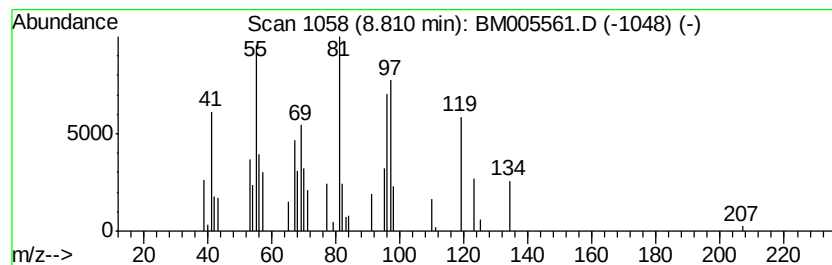
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 11 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	2.41 ng/ul	94198	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroacetic acid, 1-cyclopent...	258	C9H13Cl3O2	1000282-57-1	47
2			1-Methyl-2-heptafluorobutyryloxy...	310	C11H13F7O2	1000216-64-0	43
3			1,8-Nonadiene, 2,8-dimethyl-	152	C11H20	020054-25-5	38
4			Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	35
5			2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

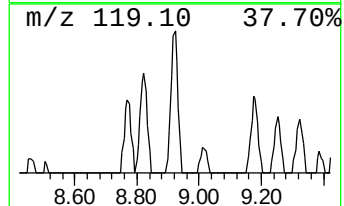
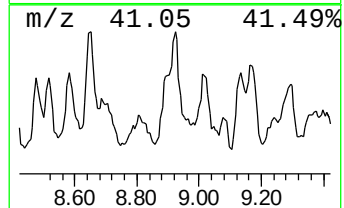
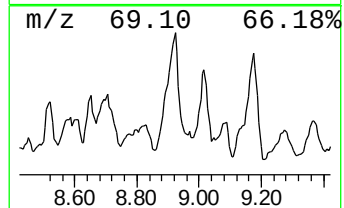
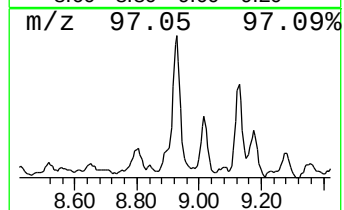
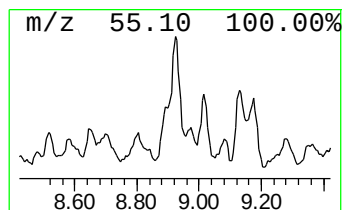
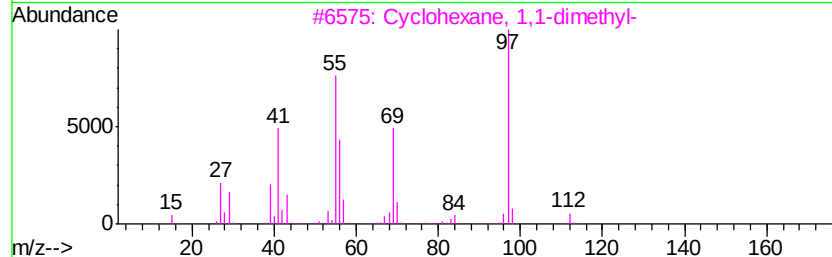
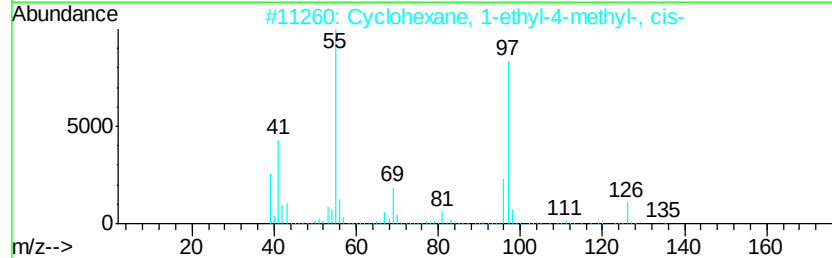
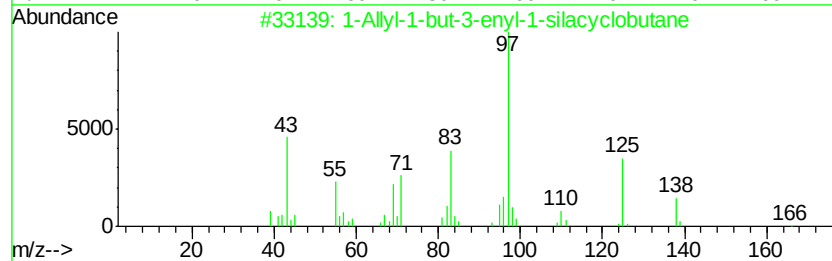
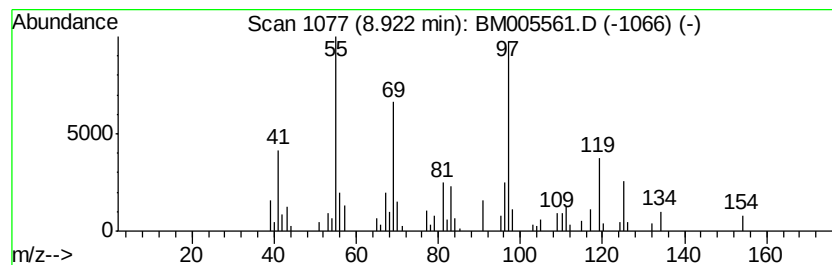
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 12 1-Allyl-1-but-3-enyl-1-sila... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	6.52 ng/ul	254936	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Allyl-1-but-3-enyl-1-silacyclo...	166	C10H18Si	127597-51-7	50
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	46
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
4		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
5		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

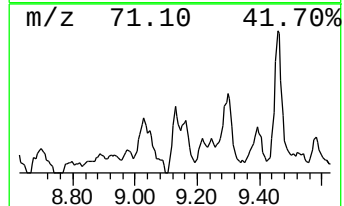
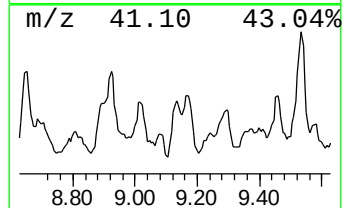
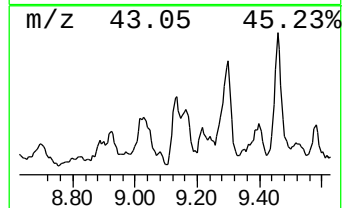
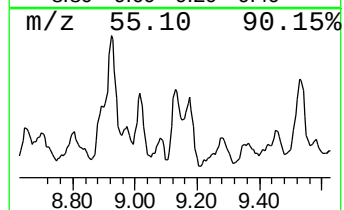
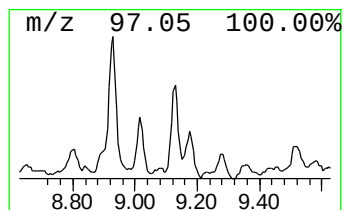
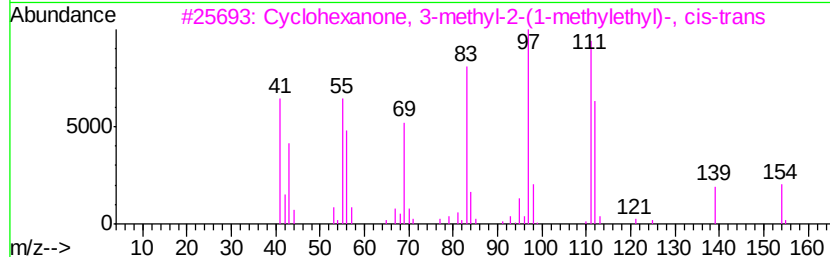
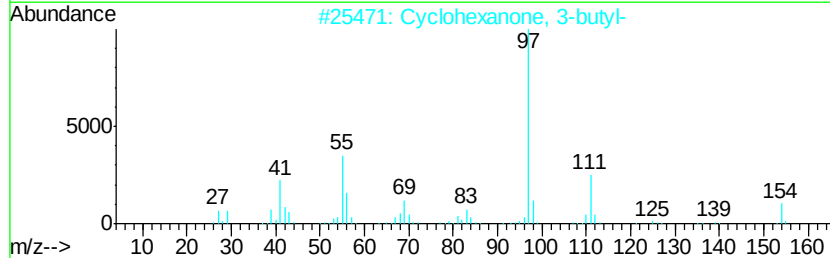
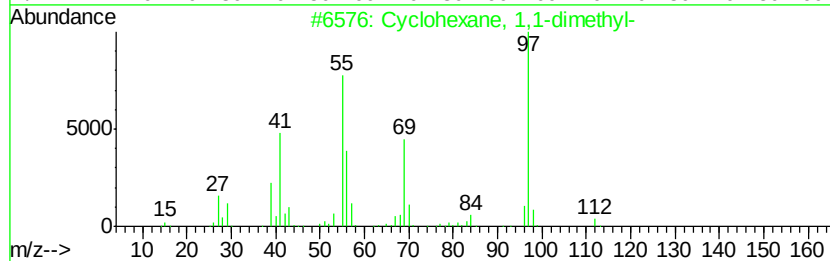
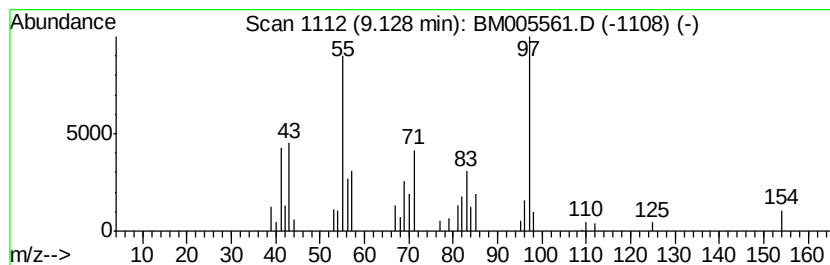
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 (DEL) Alkane: Cyclic9.13 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	2.38 ng/ul	92969	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
2		Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	38
3		Cyclohexanone, 3-methyl-2-(1-met...	154	C10H18O	028357-23-5	38
4		trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	35
5		Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

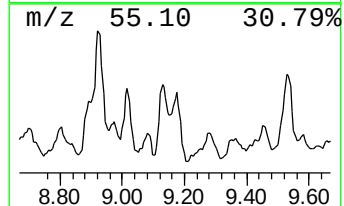
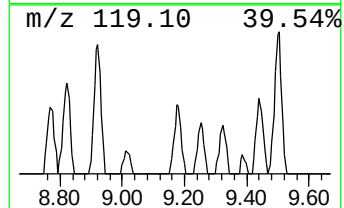
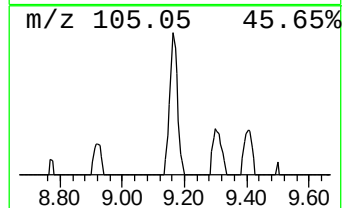
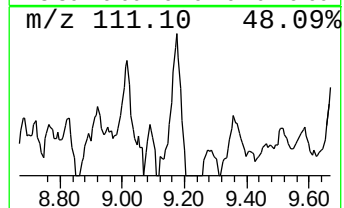
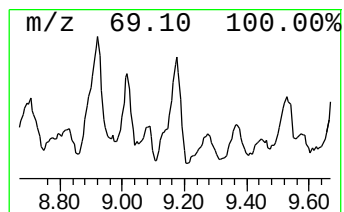
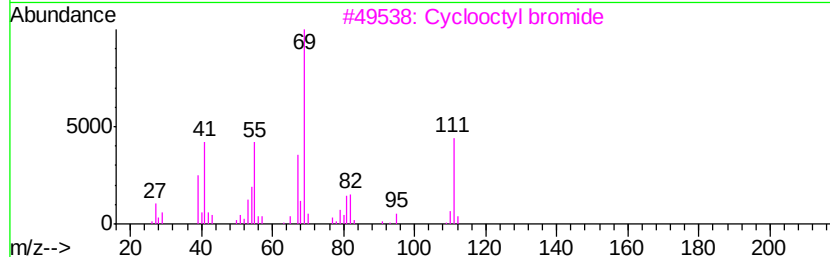
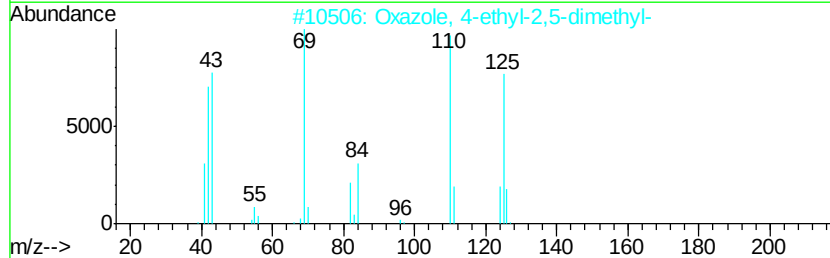
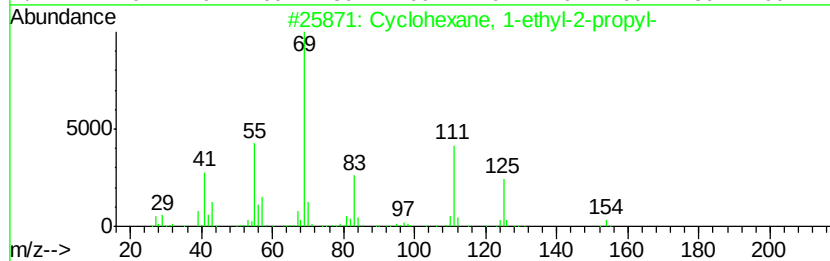
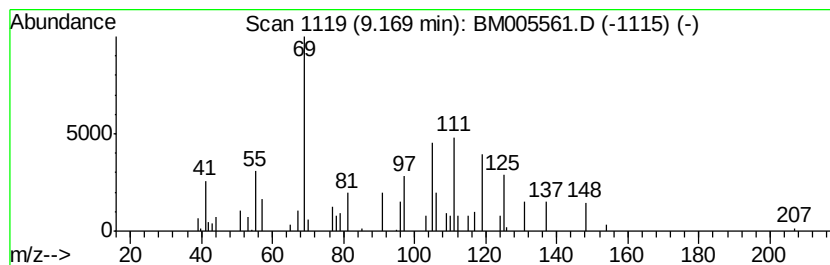
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Cyclic9.17 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	3.46 ng/ul	135357	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	43
2			Oxazole, 4-ethyl-2,5-dimethyl-	125	C7H11NO	030408-61-8	27
3			Cyclooctyl bromide	190	C8H15Br	001556-09-8	25
4			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	25
5			Cyclooctanemethanol	142	C9H18O	003637-63-6	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

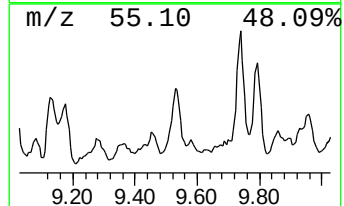
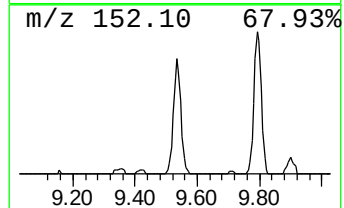
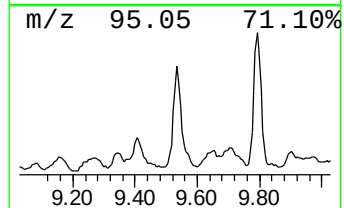
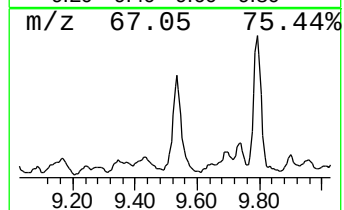
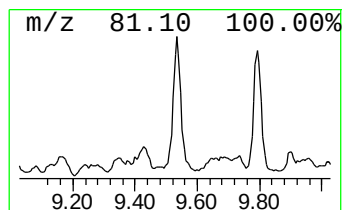
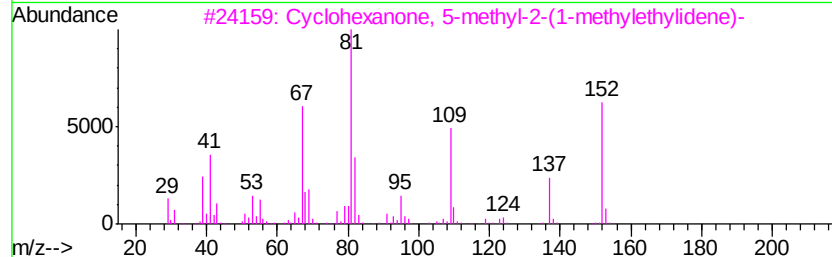
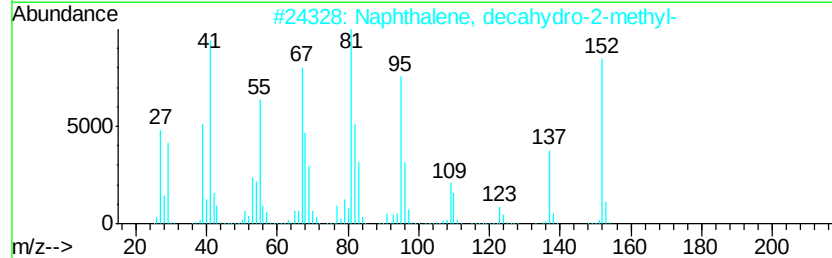
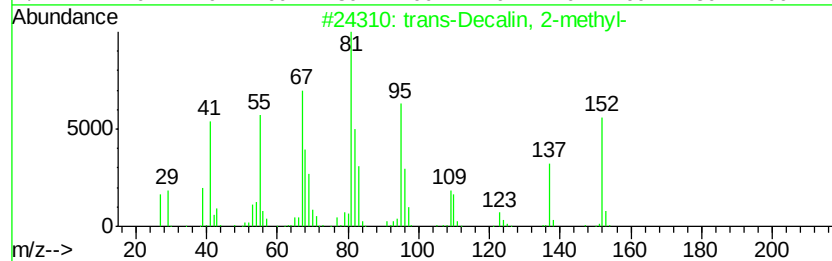
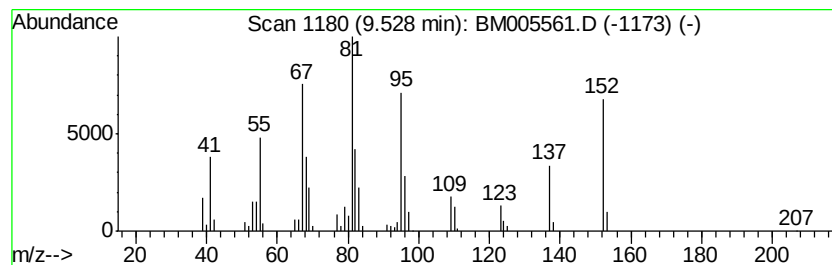
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Branched9.53 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	4.41 ng/ul	235711	Naphthalene-d8	10.61

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	92
3			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
4			Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	80
5			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

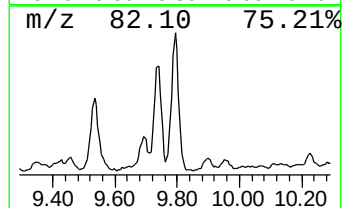
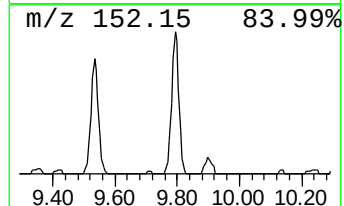
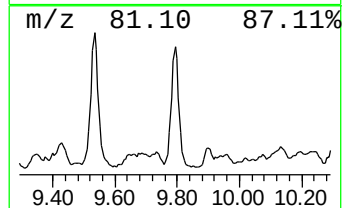
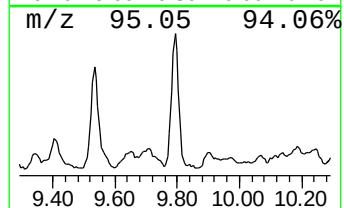
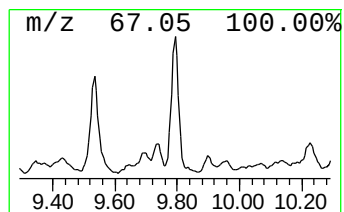
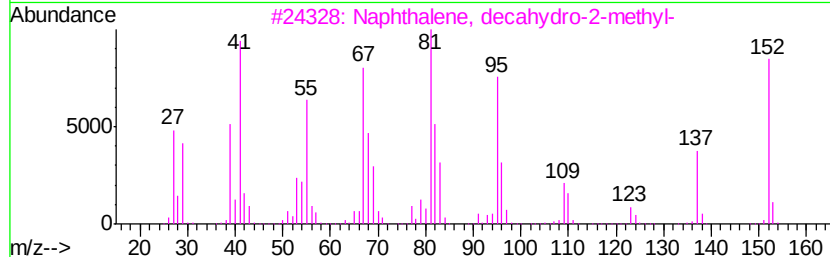
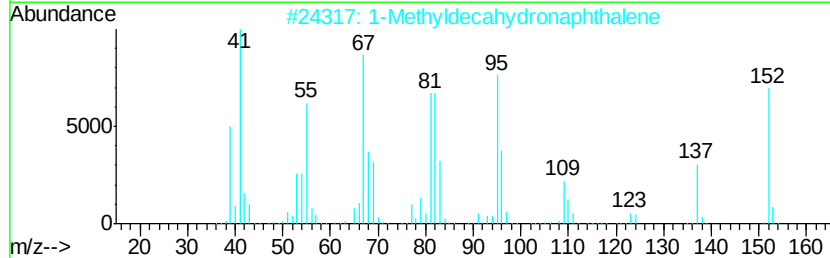
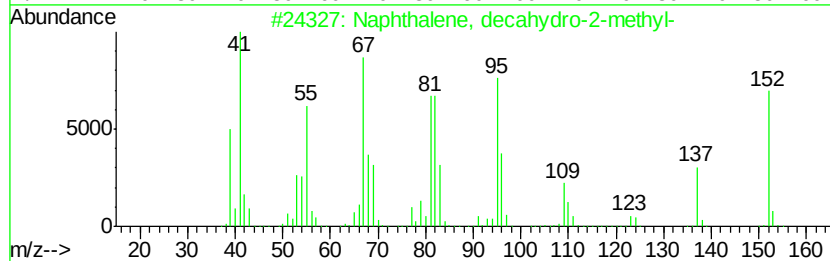
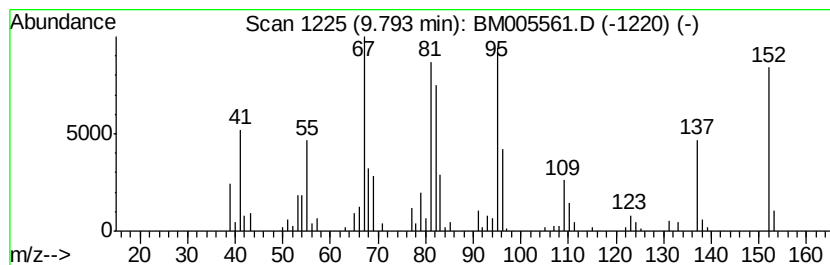
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 16 (DEL) Alkane: Branched9.79 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	5.72 ng/ul	305536	Naphthalene-d8	10.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	94
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
4		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

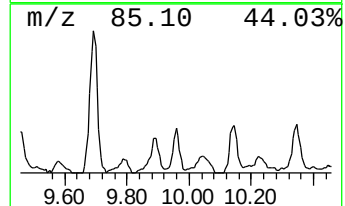
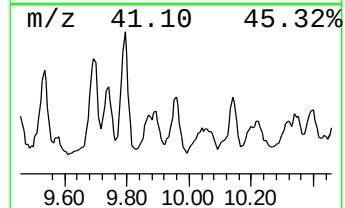
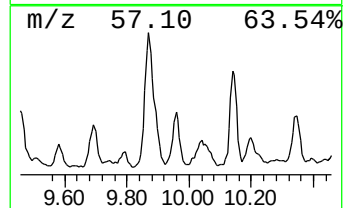
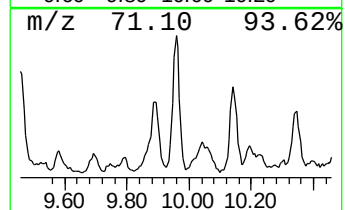
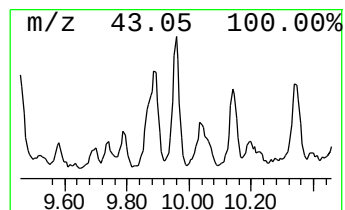
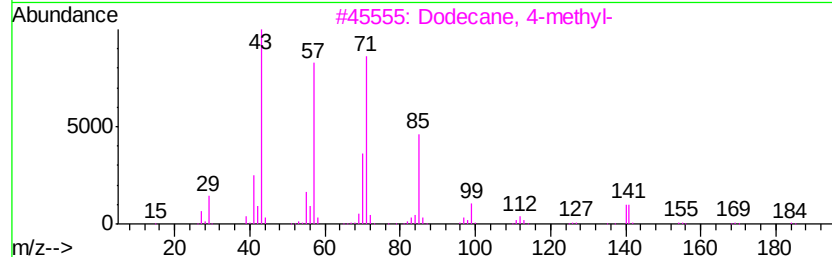
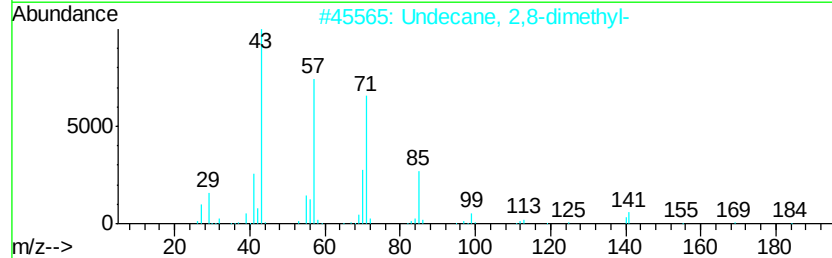
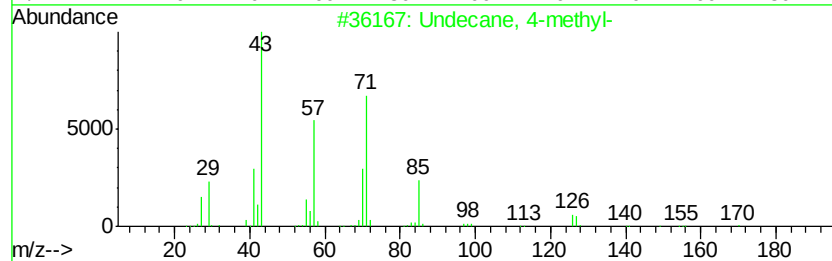
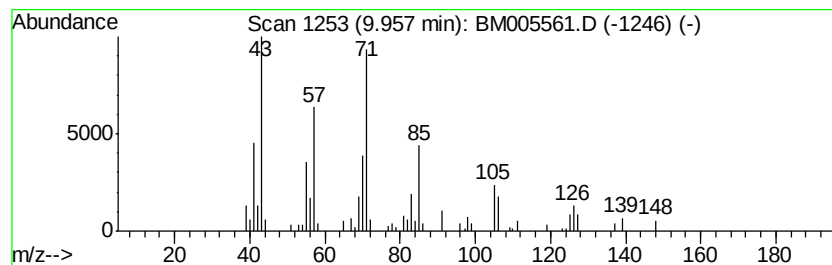
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	2.29 ng/ul	122536	Napthalene-d8	10.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4-methyl-	170	C12H26	002980-69-0	53
2		Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	50
3		Dodecane, 4-methyl-	184	C13H28	006117-97-1	50
4		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	50
5		Octacosane	394	C28H58	000630-02-4	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

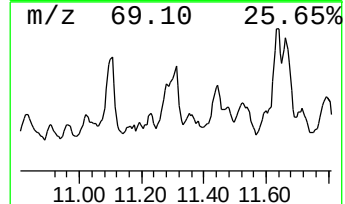
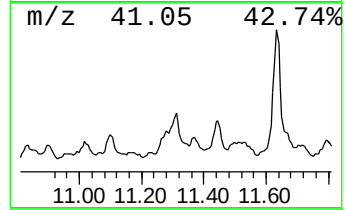
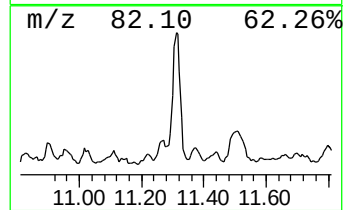
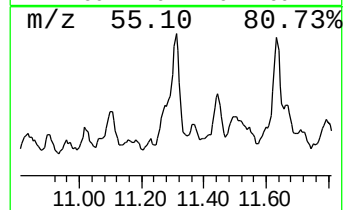
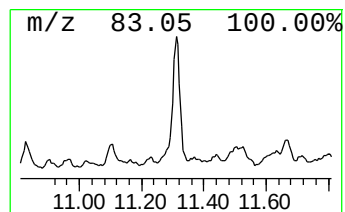
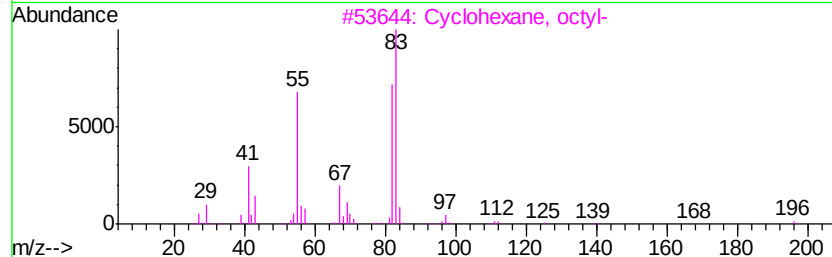
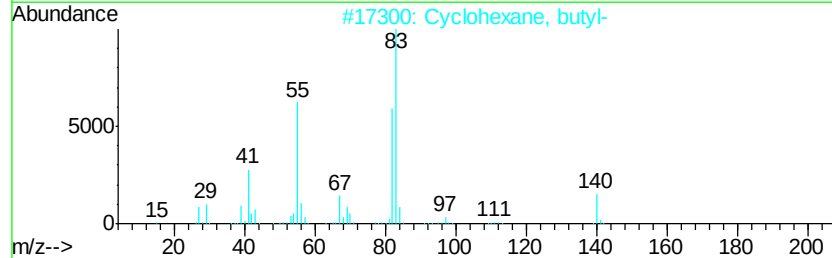
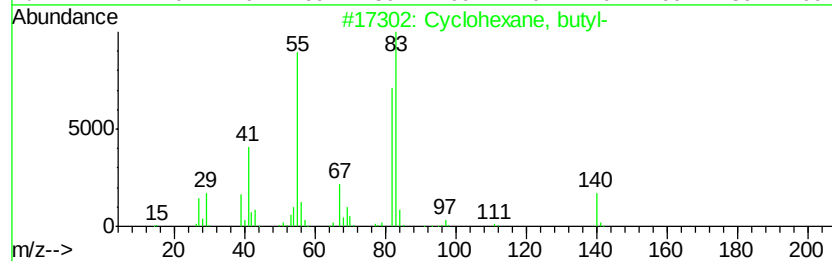
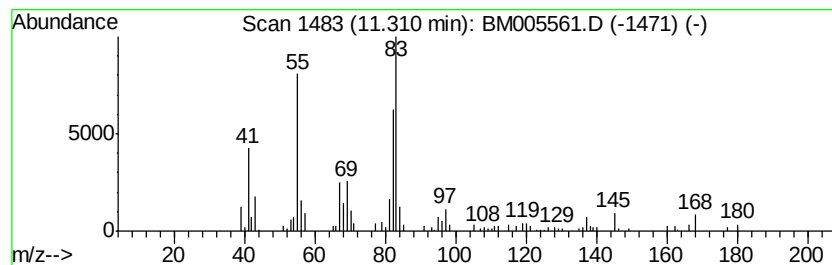
Instrument :
BNA_M
ClientSampleId :
JHGJ5

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

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

Peak Number 18 (DEL) Alkane: Cyclic11.31 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	8.44 ng/ul	450735	Napthalene-d8	10.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Cyclohexane, butyl-	140 C10H20	001678-93-9	72
2	Cyclohexane, butyl-	140 C10H20	001678-93-9	72
3	Cyclohexane, octyl-	196 C14H28	001795-15-9	72
4	Cyclohexane, pentyl-	154 C11H22	004292-92-6	72
5	Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

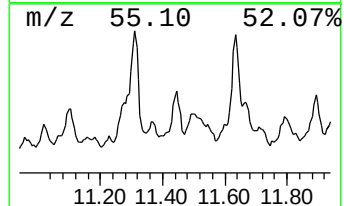
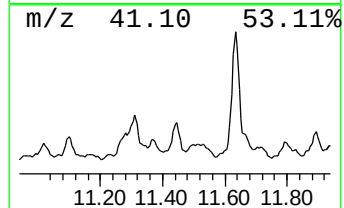
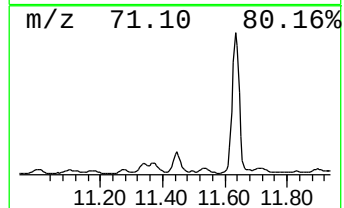
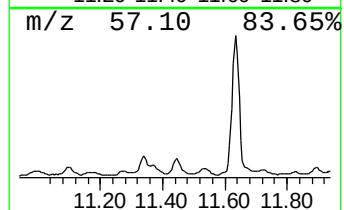
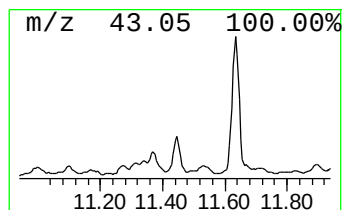
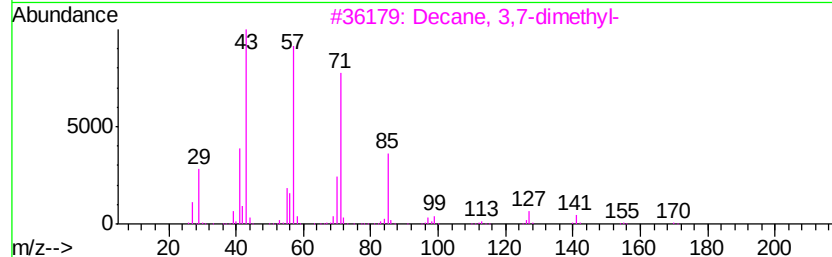
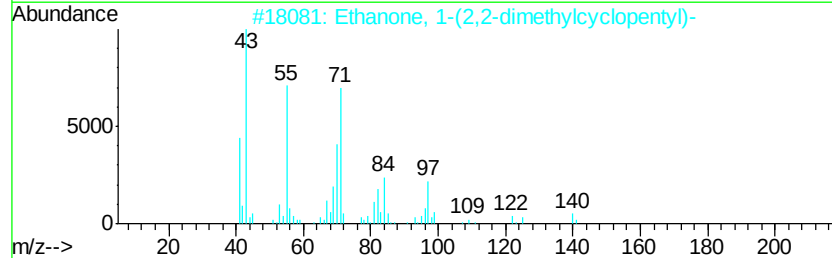
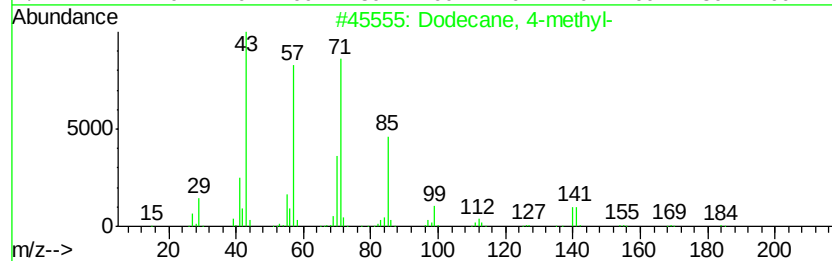
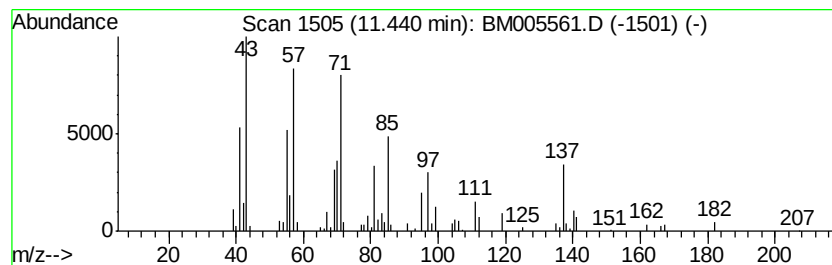
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	3.12 ng/ul	166662	Napthalene-d8	10.61

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4-methyl-	184	C13H28	006117-97-1	52
2			Ethanone, 1-(2,2-dimethylcyclope...	140	C9H16O	003664-75-3	47
3			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	47
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	38
5			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

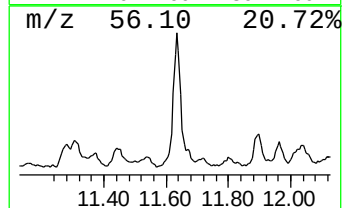
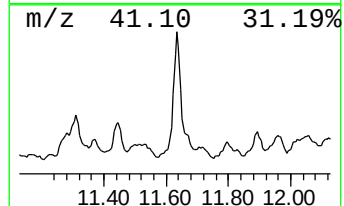
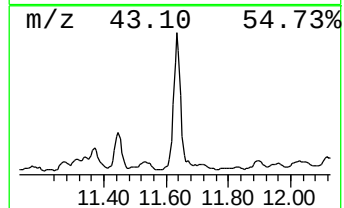
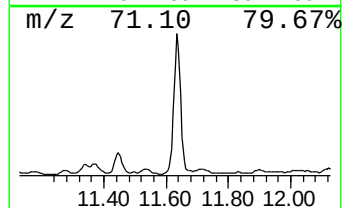
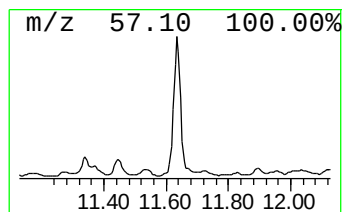
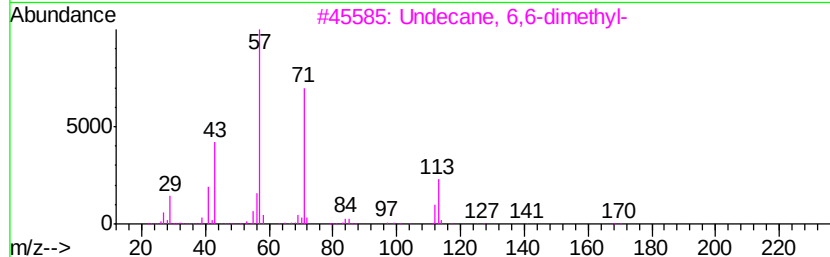
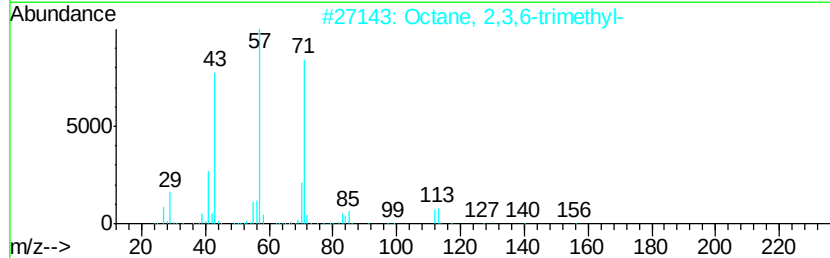
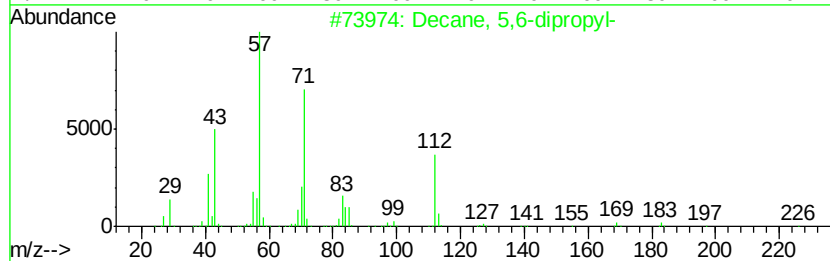
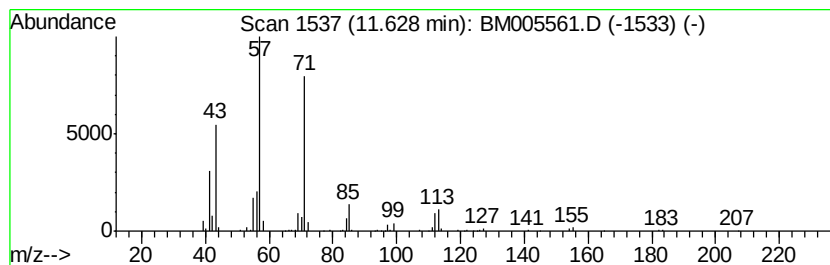
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	11.64 ng/ul	621487	Napthalene-d8	10.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	78
2		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
3		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
4		Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

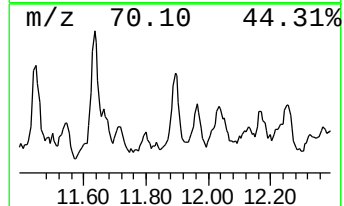
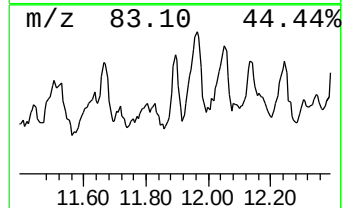
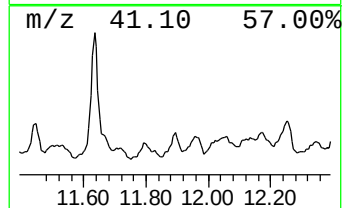
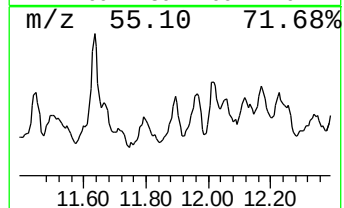
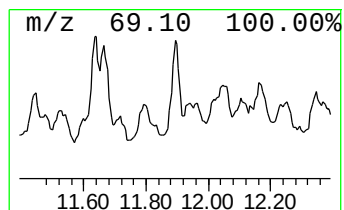
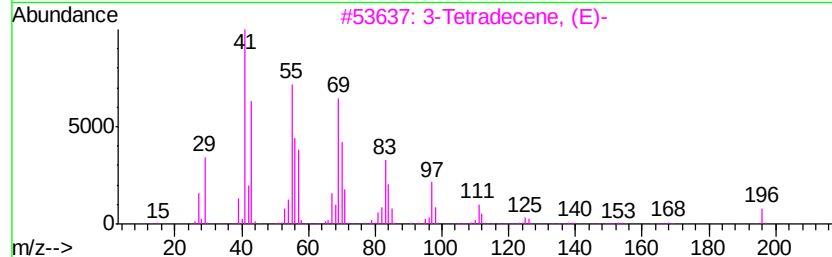
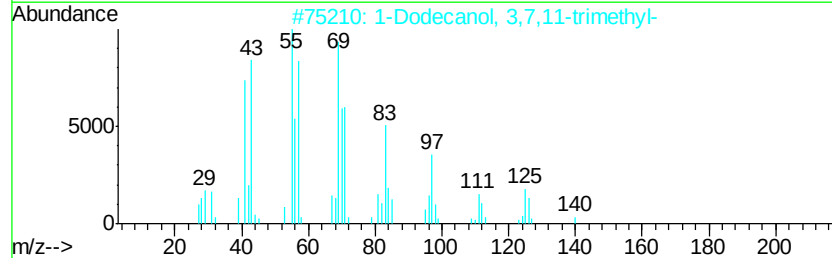
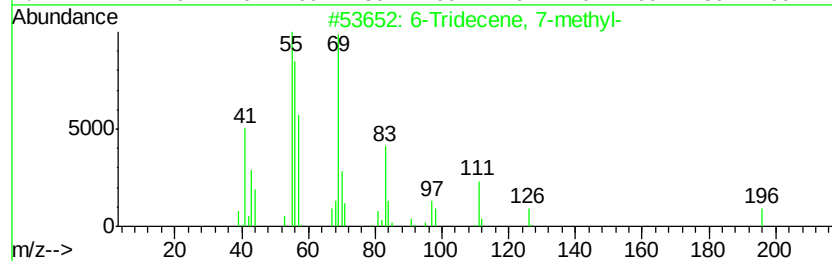
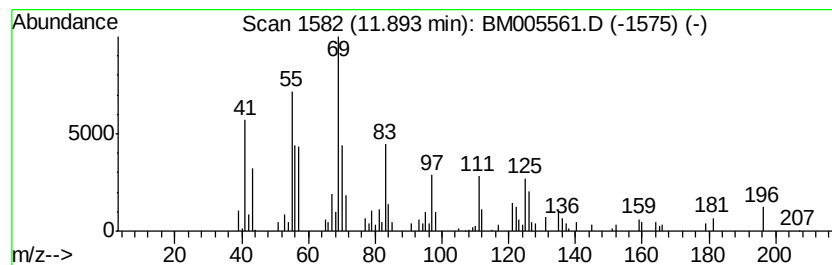
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Cyclic11.89 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.97 ng/ul	158633	Napthalene-d8	10.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	76
2		1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	72
3		3-Tetradecene, (E)-	196	C14H28	041446-68-8	55
4		3-Tetradecene, (E)-	196	C14H28	041446-68-8	55
5		6-Tetradecene, (E)-	196	C14H28	041446-64-4	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

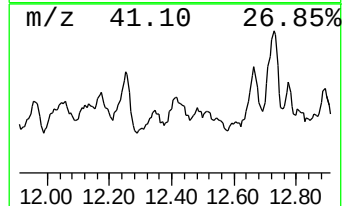
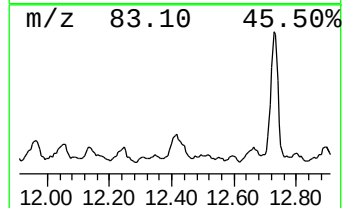
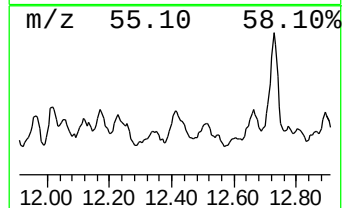
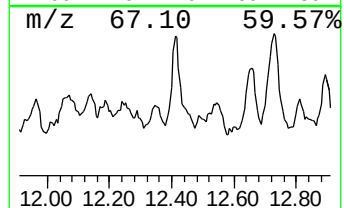
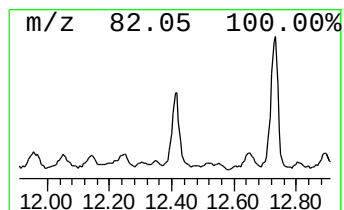
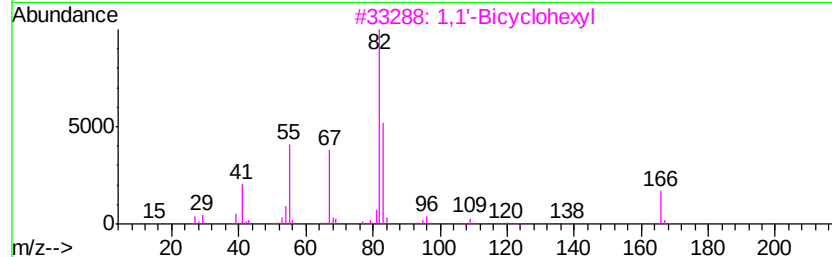
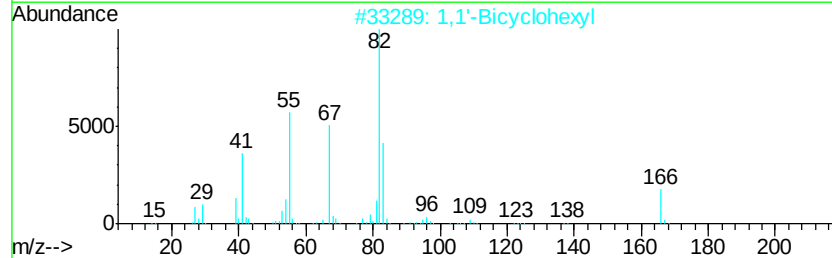
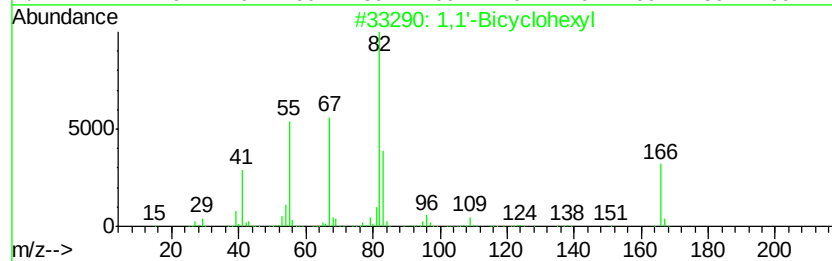
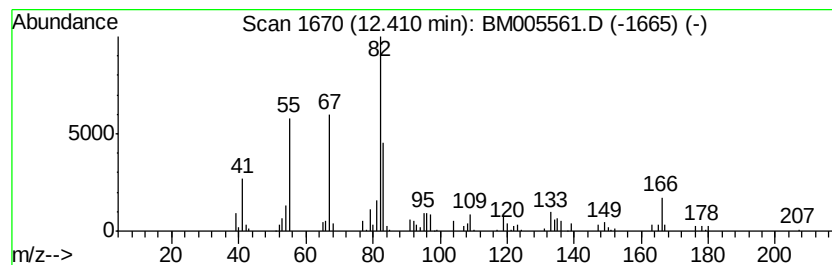
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Branched12.41 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.08 ng/ul	110982	Napthalene-d8	10.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	87
2		1,1'-Bicyclohexyl	166	C12H22	000092-51-3	81
3		1,1'-Bicyclohexyl	166	C12H22	000092-51-3	58
4		1,1'-Bicyclohexyl	166	C12H22	000092-51-3	58
5		2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

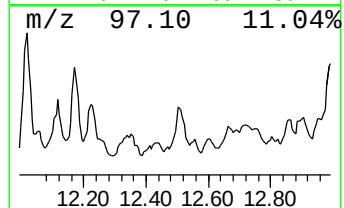
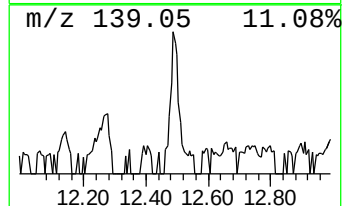
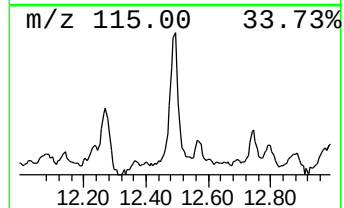
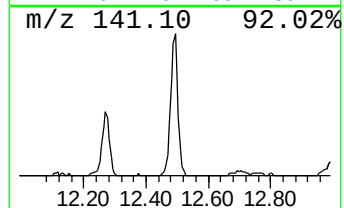
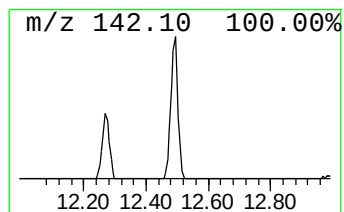
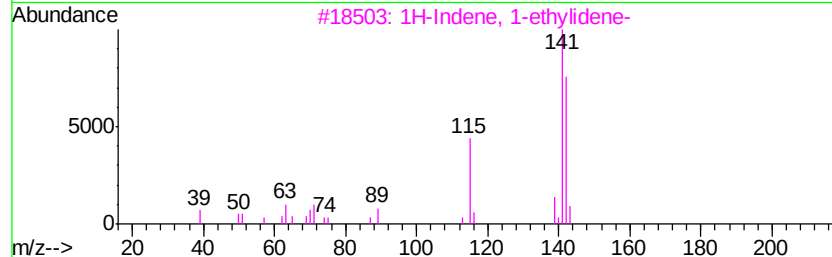
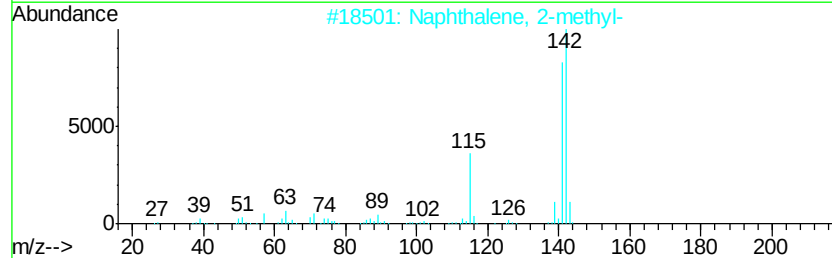
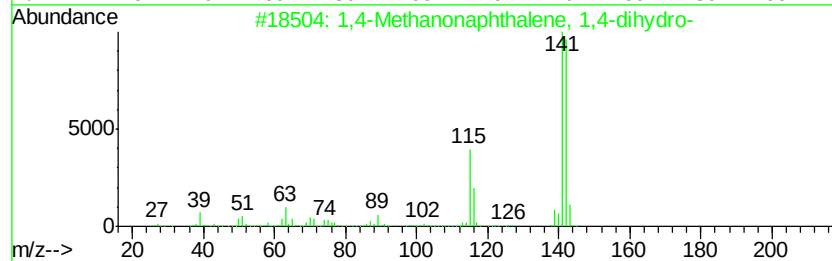
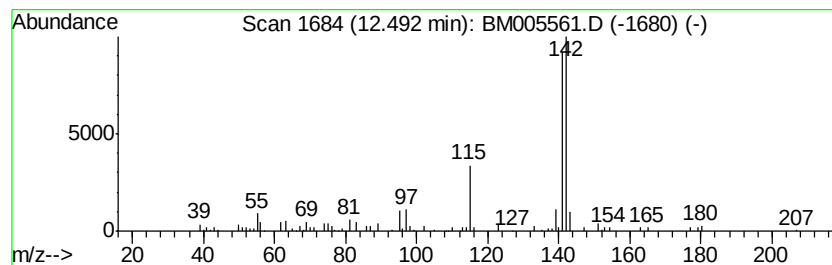
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,4-Methanonaphthalene, 1,4... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.72 ng/ul	145042	Naphthalene-d8	10.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
3		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	86
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

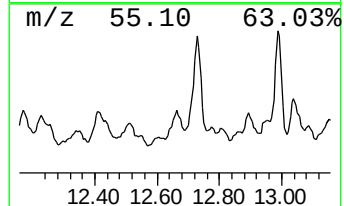
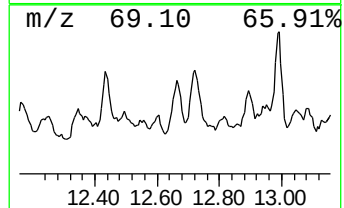
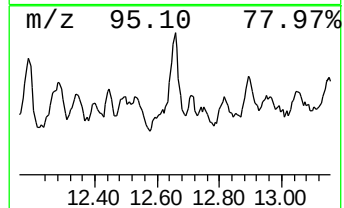
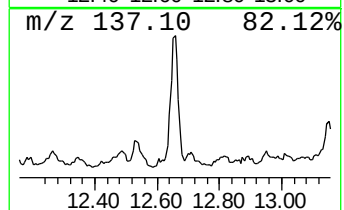
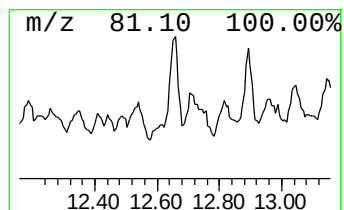
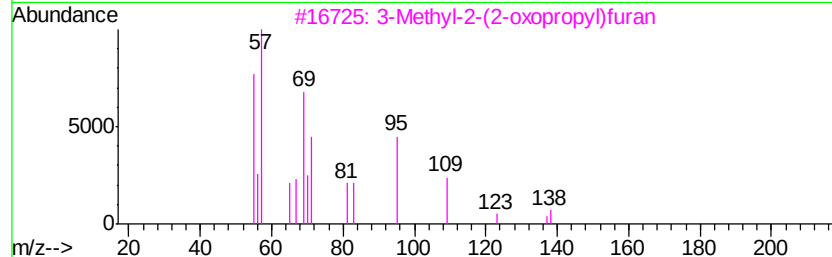
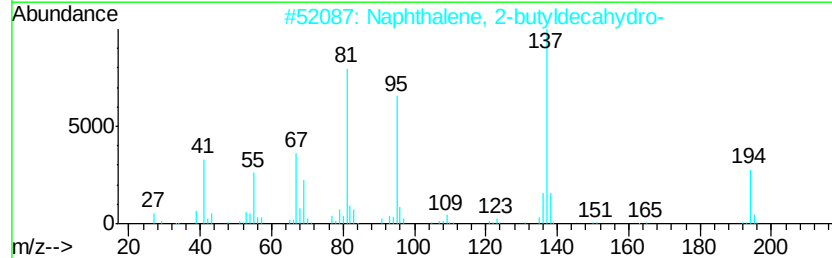
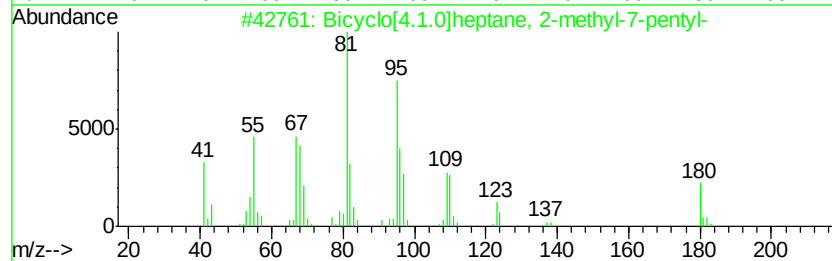
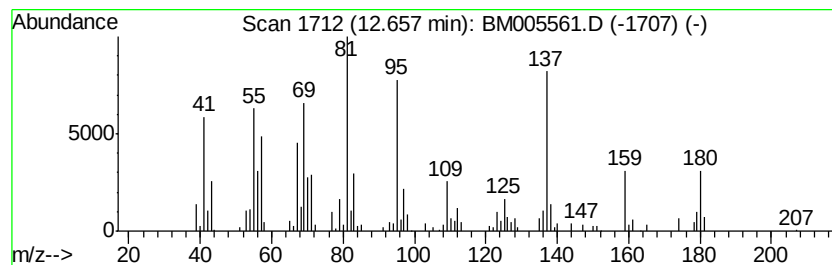
Instrument :
BNA_M
ClientSampleId :
JHGJ5

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

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

Peak Number 24 (DEL) Alkane: Branched12.66 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	3.22 ng/ul	195669	Acenaphthene-d10	14.45
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[4.1.0]heptane, 2-methyl-...	180 C13H24	055937-92-3 64
2		Naphthalene, 2-butyldecahydro-	194 C14H26	006305-52-8 38
3		3-Methyl-2-(2-oxopropyl)furan	138 C8H10O2	087773-62-4 38
4		1-Dodecanol, 3,7,11-trimethyl-	228 C15H32O	006750-34-1 30
5		3,5-Dodecadiene, 2-methyl-	180 C13H24	055638-51-2 15



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

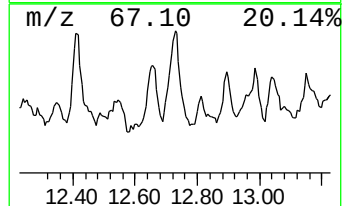
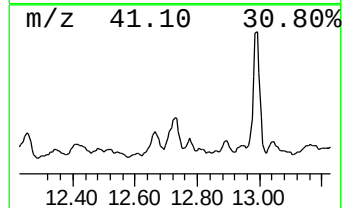
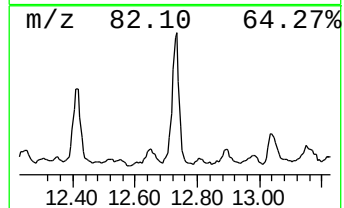
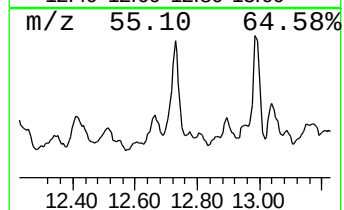
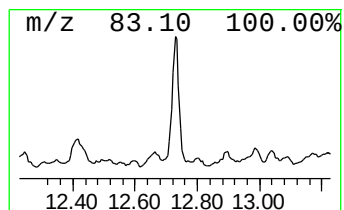
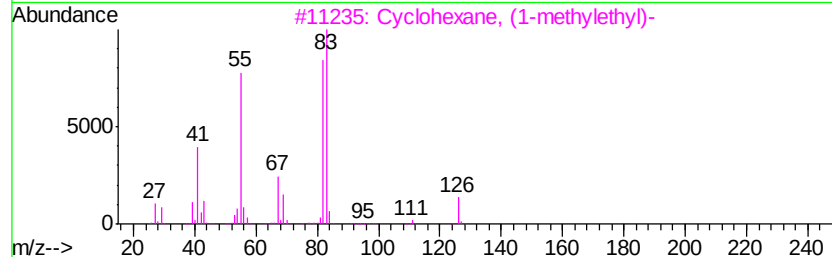
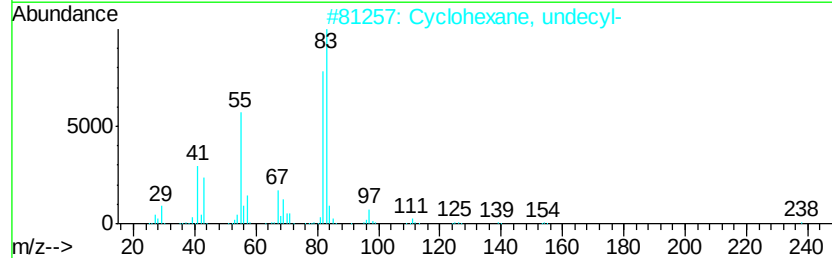
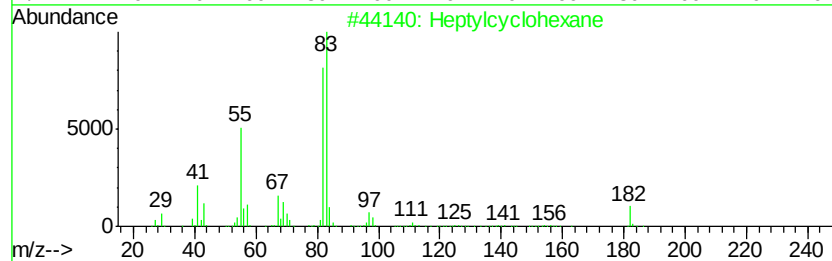
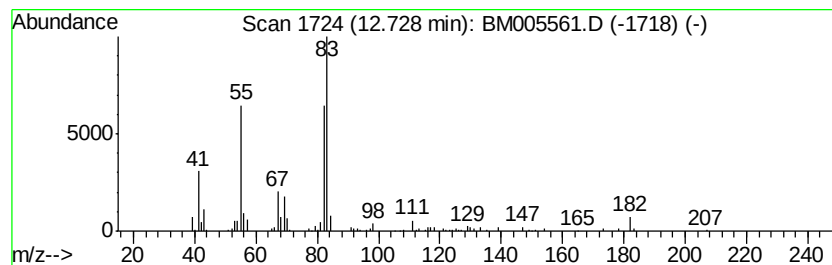
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Cyclic12.73 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	4.56 ng/ul	276498	Acenaphthene-d10	14.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	91
2		Cyclohexane, undecyl-	238	C17H34	054105-66-7	83
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	78
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	78



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

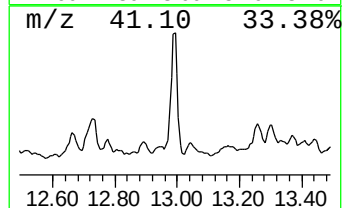
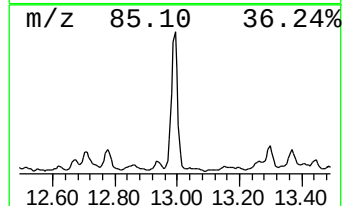
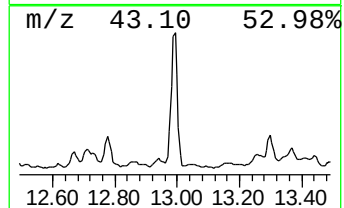
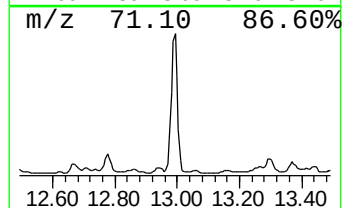
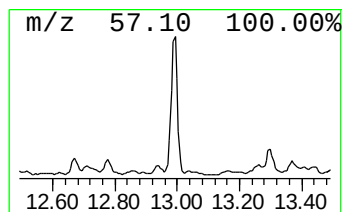
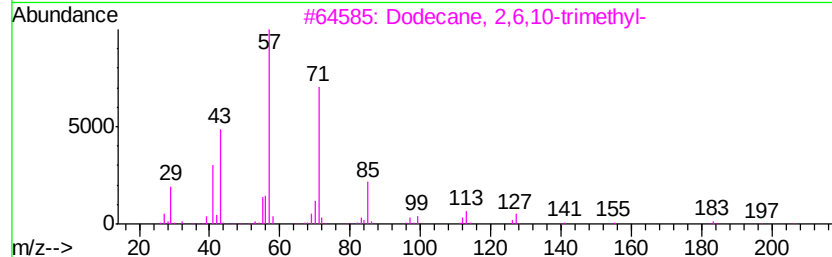
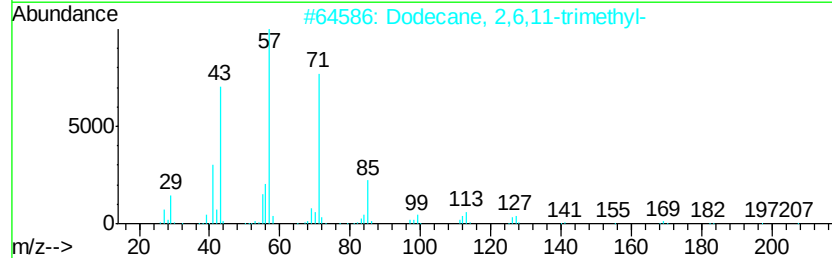
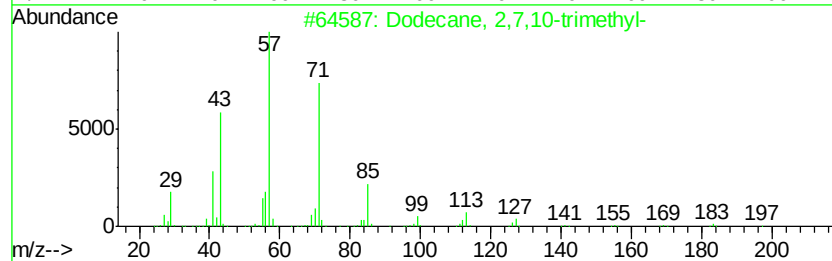
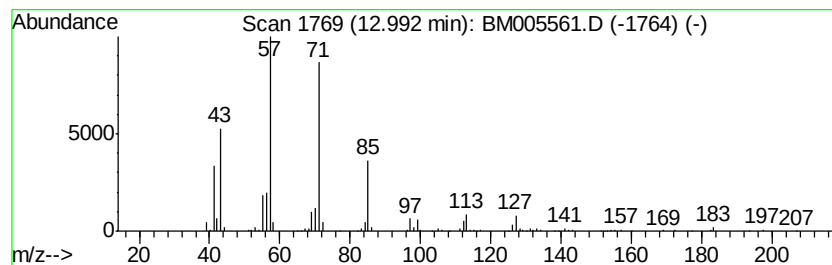
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	11.64 ng/ul	706485	Acenaphthene-d10	14.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	58



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

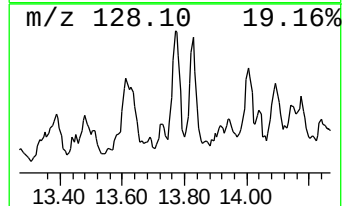
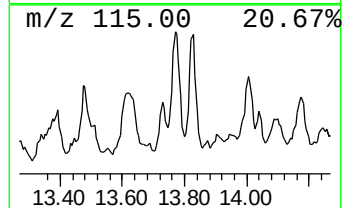
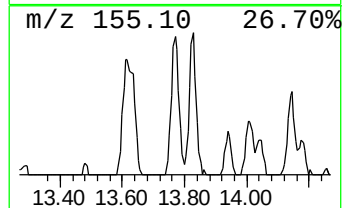
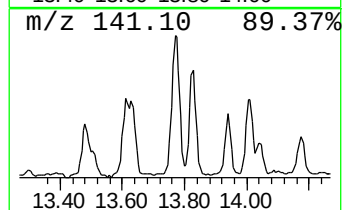
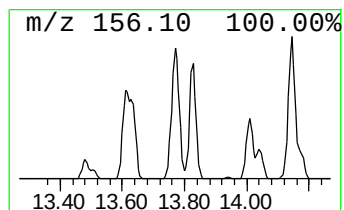
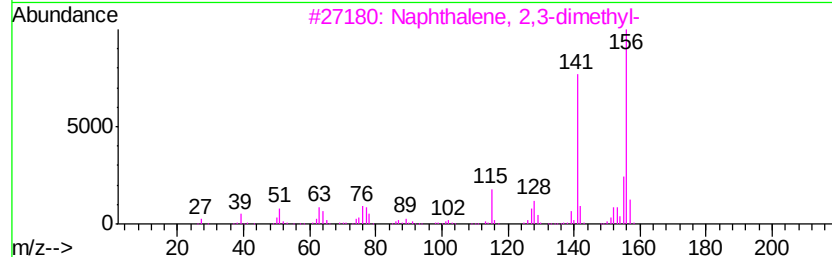
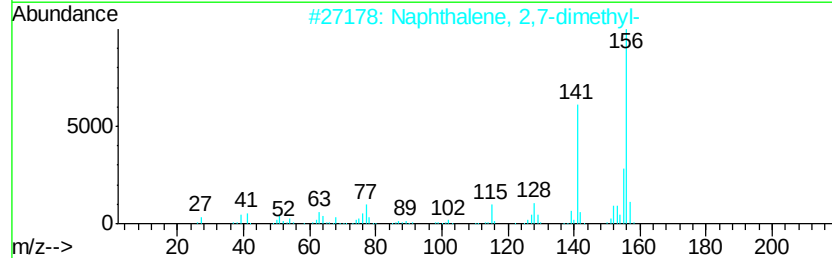
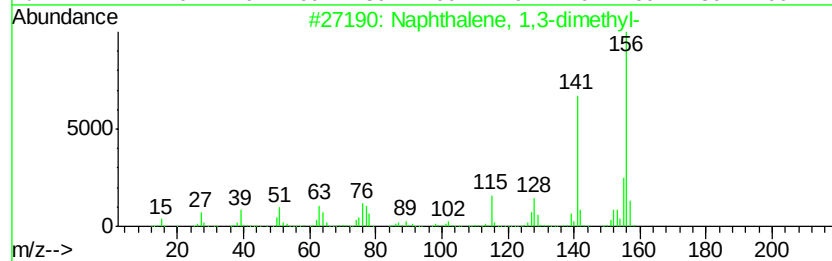
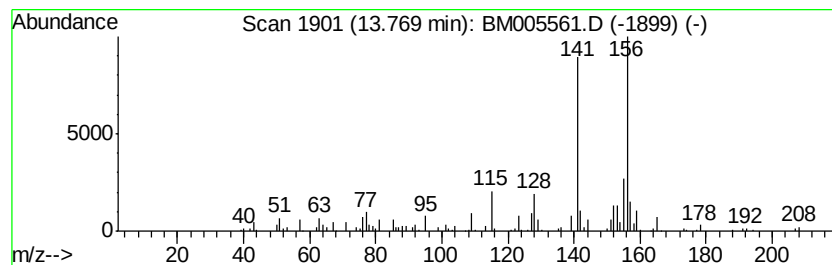
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 Naphthalene, 1,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.44 ng/ul	147903	Acenaphthene-d10	14.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

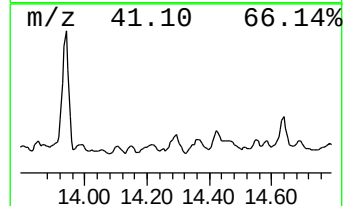
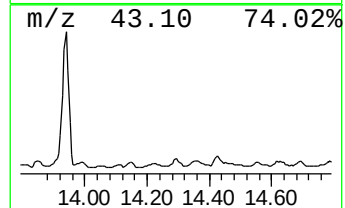
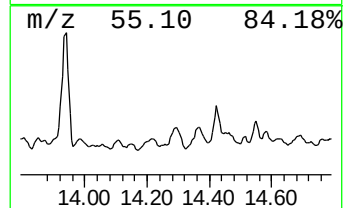
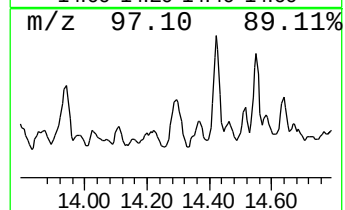
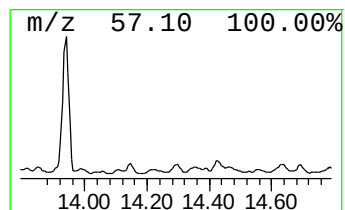
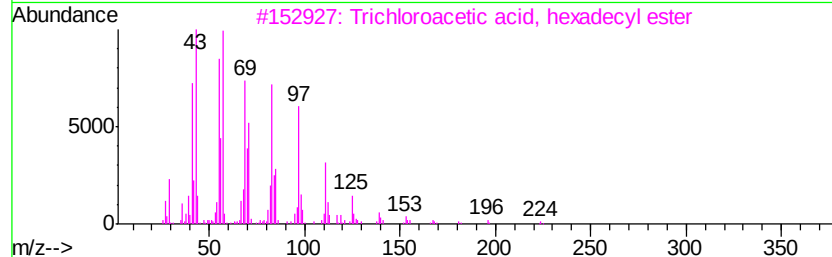
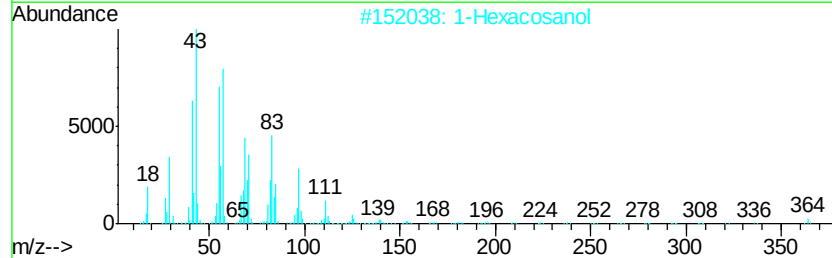
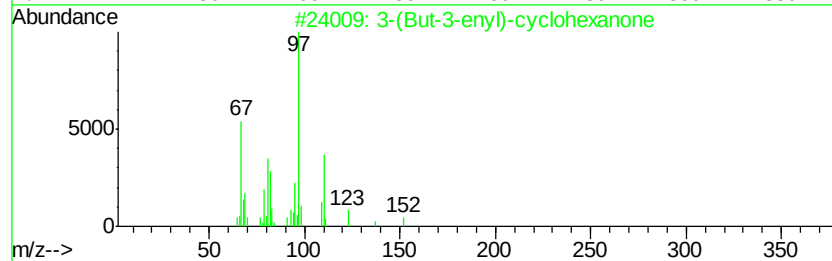
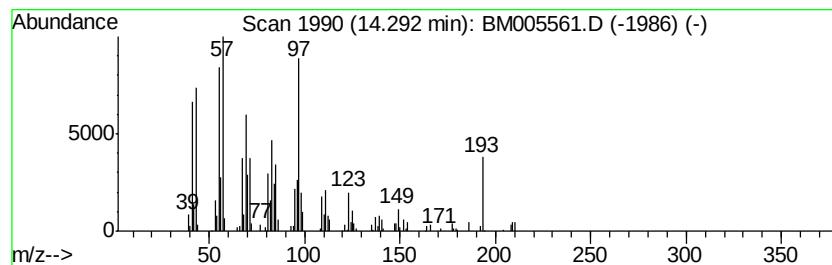
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 28 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.57 ng/ul	216633	Acenaphthene-d10	14.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-(But-3-enyl)-cyclohexanone	152	C10H16O	003636-03-1	18
2			1-Hexacosanol	382	C26H54O	000506-52-5	18
3			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	15
4			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	15
5			1-Tetracosanol	354	C24H50O	000506-51-4	14



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

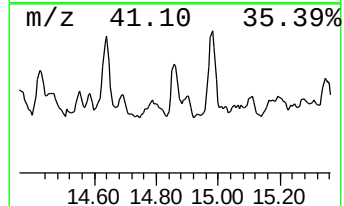
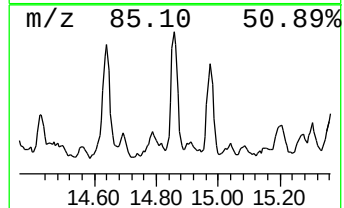
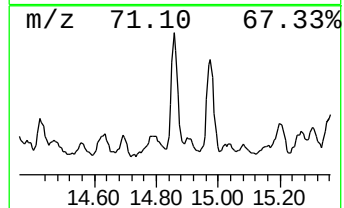
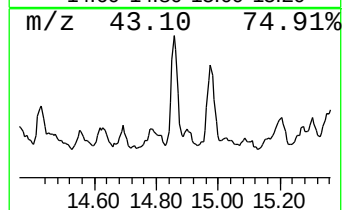
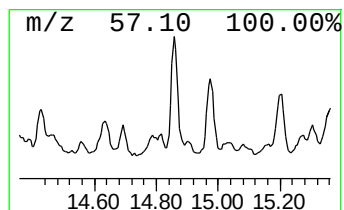
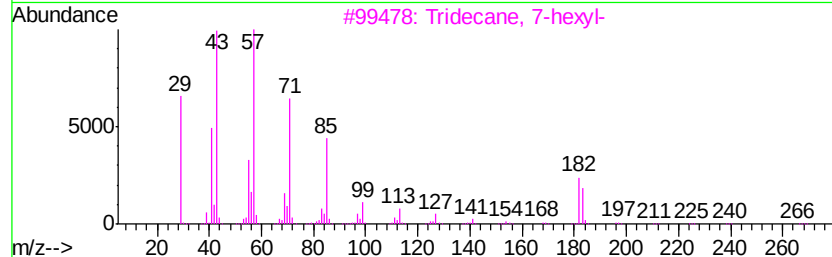
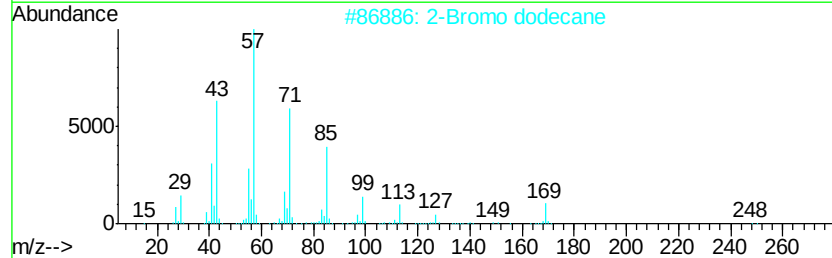
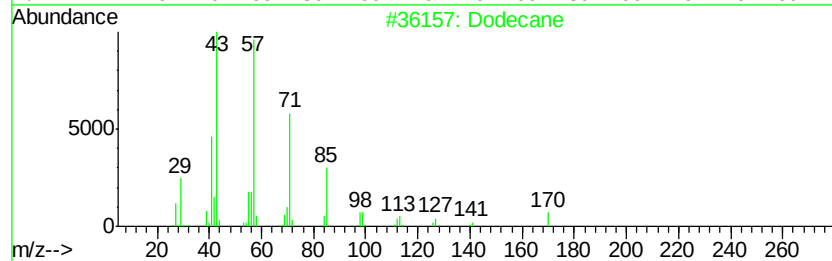
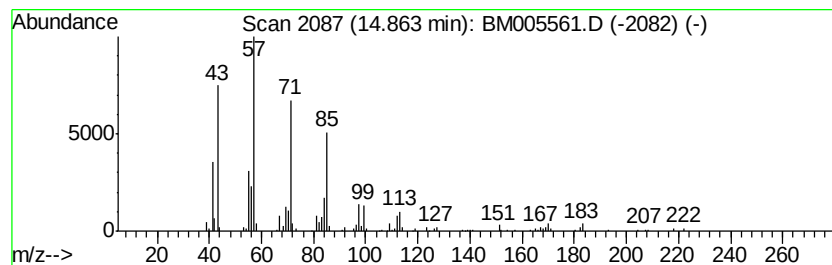
Instrument :
BNA_M
ClientSampleId :
JHGJ5

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

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	3.41 ng/ul	206931	Acenaphthene-d10	14.45
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	72
2	2-Bromo dodecane	248 C12H25Br	013187-99-0	58
3	Tridecane, 7-hexyl-	268 C19H40	007225-66-3	58
4	Heptadecane	240 C17H36	000629-78-7	58
5	Octane, 2,3,3-trimethyl-	156 C11H24	062016-30-2	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

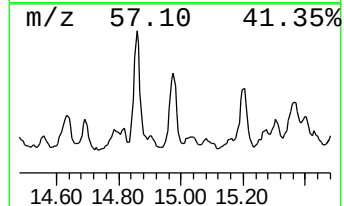
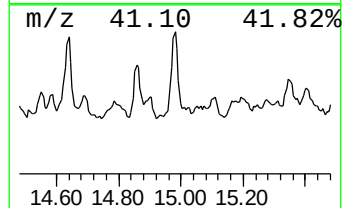
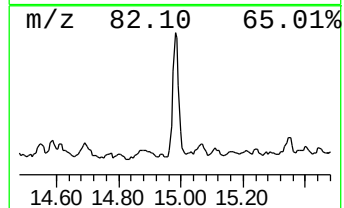
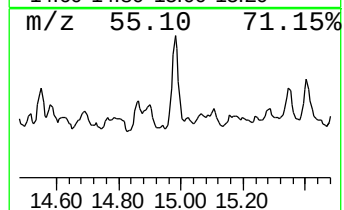
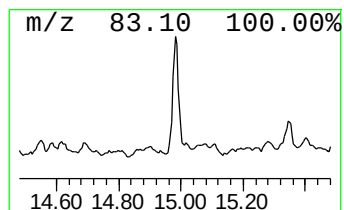
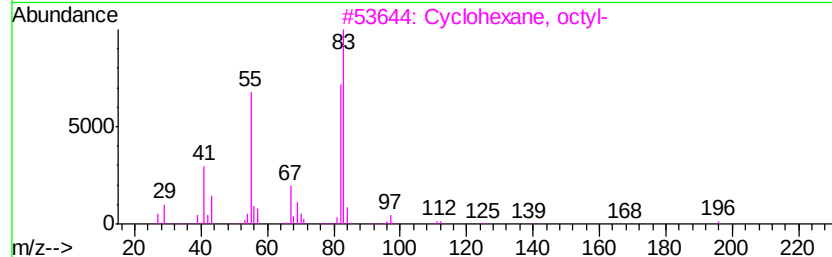
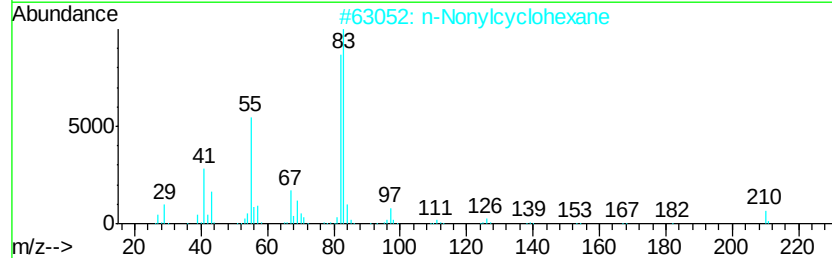
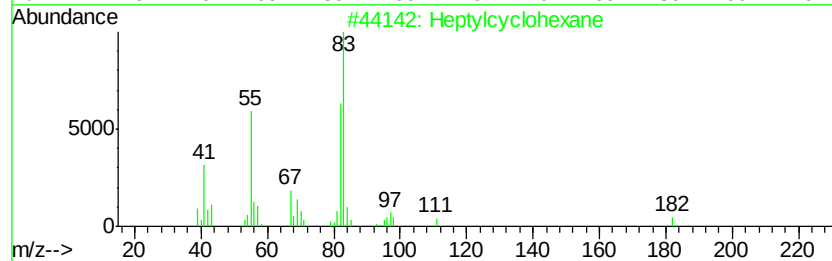
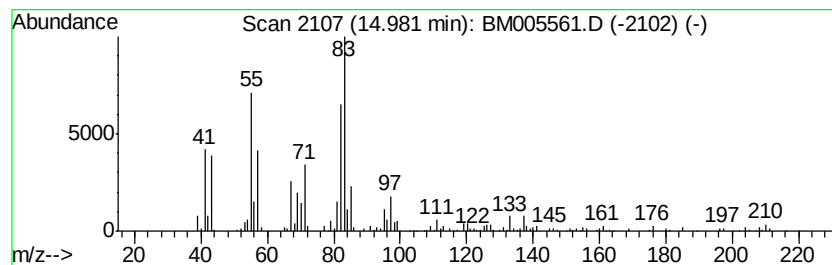
Instrument :
BNA_M
ClientSampleId :
JHGJ5

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

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

Peak Number 30 (DEL) Alkane: Cyclic14.98 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.98	6.82 ng/ul	413731	Acenaphthene-d10		14.45
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	64
2	n-Nonylcyclohexane	210	C15H30	002883-02-5	53
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	52
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

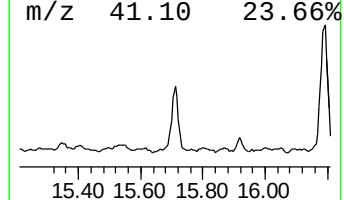
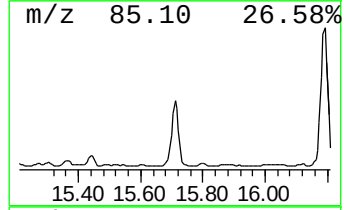
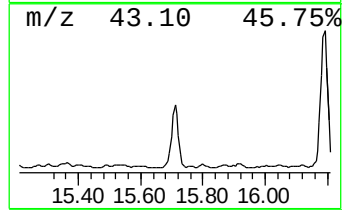
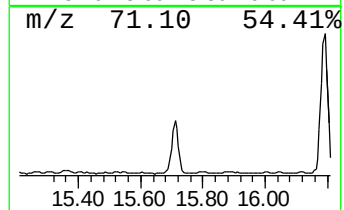
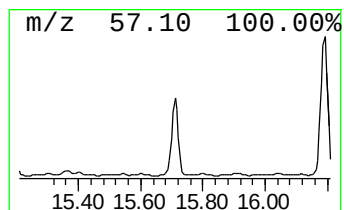
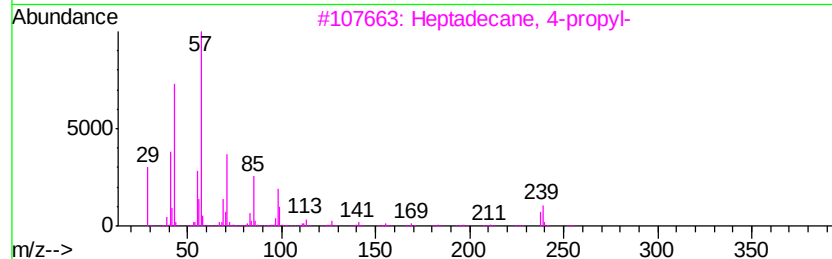
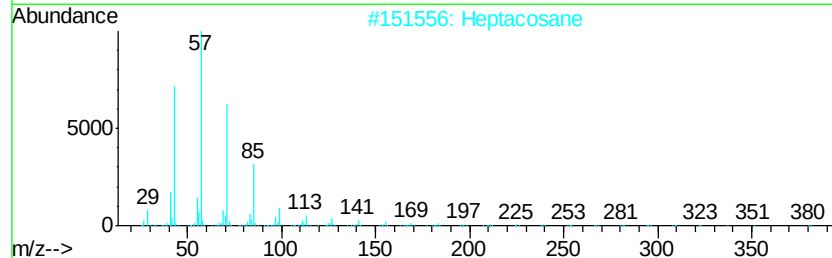
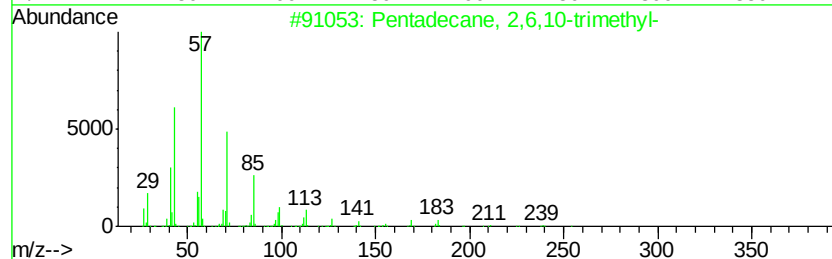
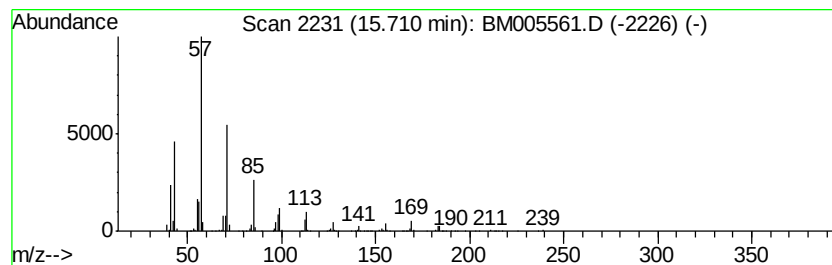
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	17.17 ng/ul	1041630	Acenaphthene-d10	14.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2		Heptacosane	380	C27H56	000593-49-7	86
3		Heptadecane, 4-propyl-	282	C20H42	055044-10-5	72
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

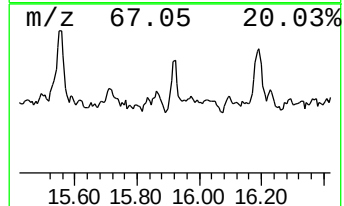
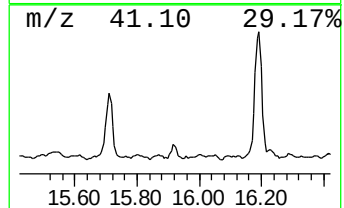
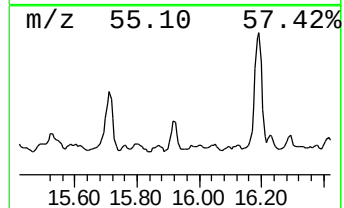
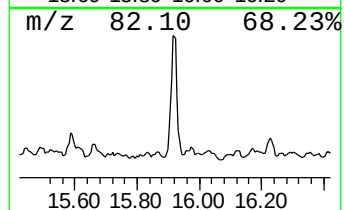
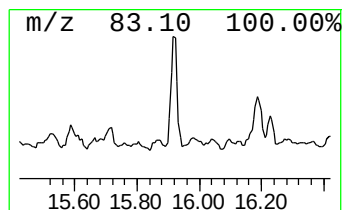
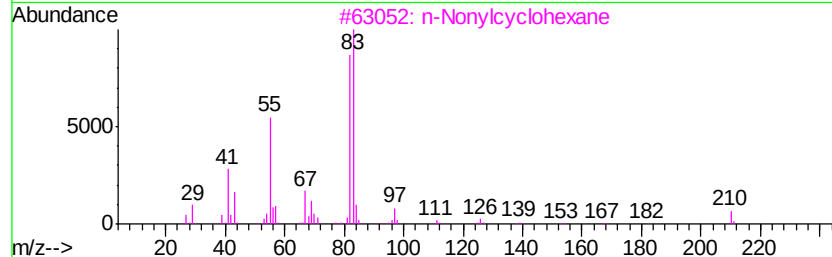
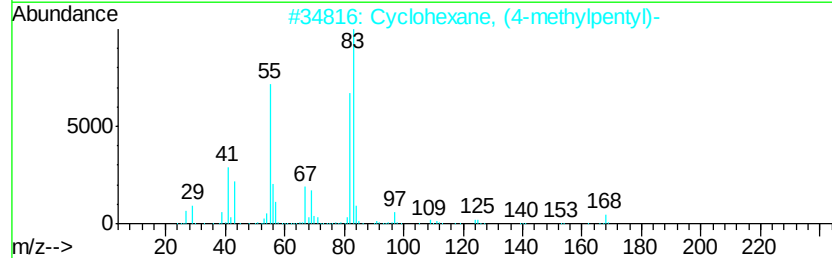
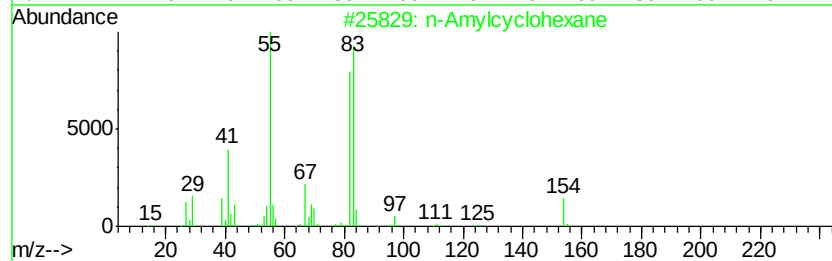
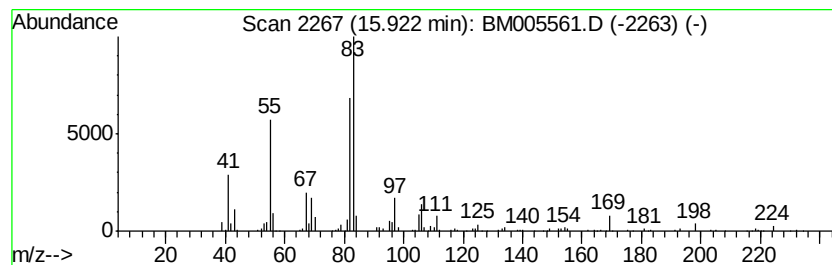
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Cyclic15.92 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.60 ng/ul	135763	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Amylcyclohexane	154	C11H22	029949-27-7	80
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	80
3		n-Nonylcyclohexane	210	C15H30	002883-02-5	80
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	80
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

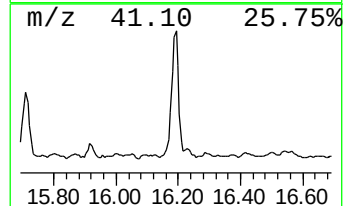
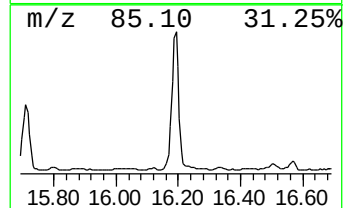
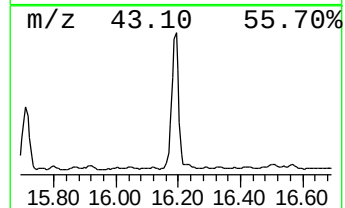
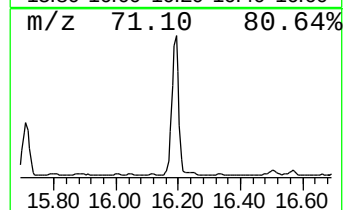
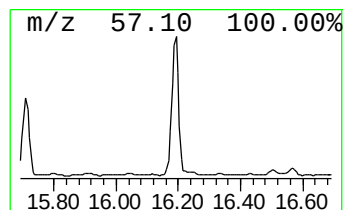
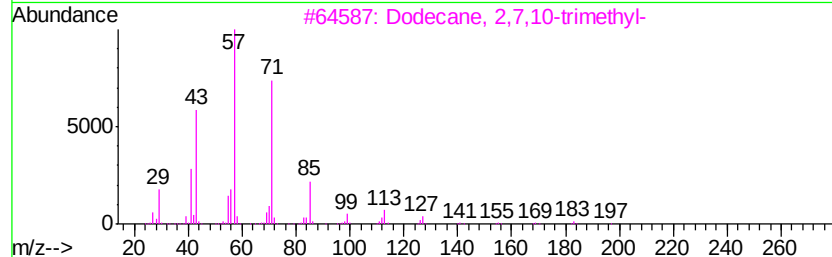
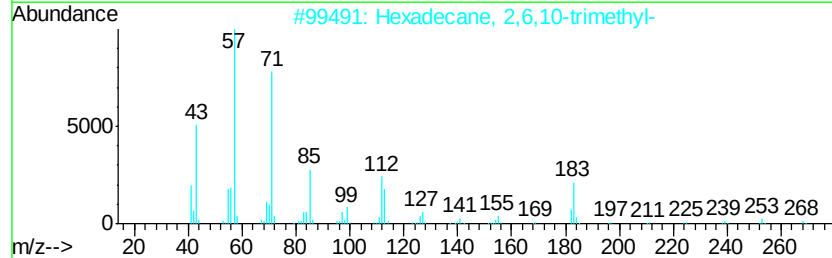
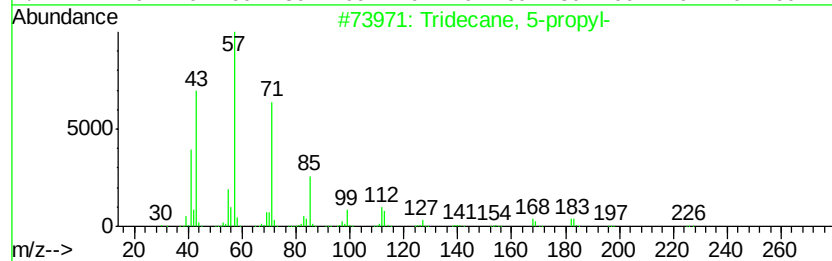
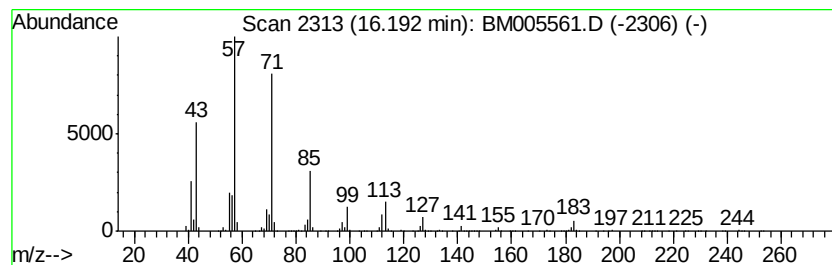
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	43.01 ng/ul	2248710	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2		Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	90
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

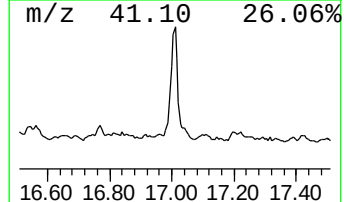
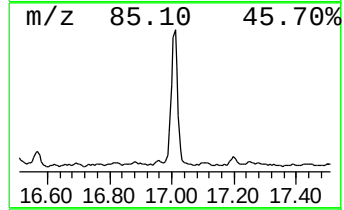
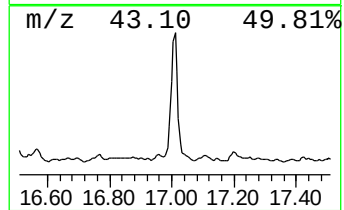
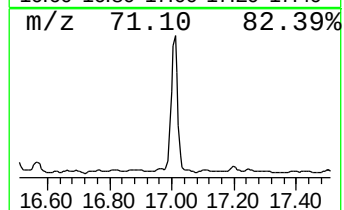
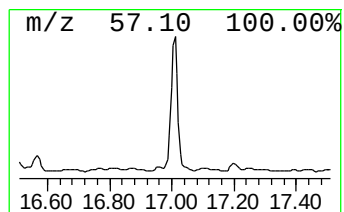
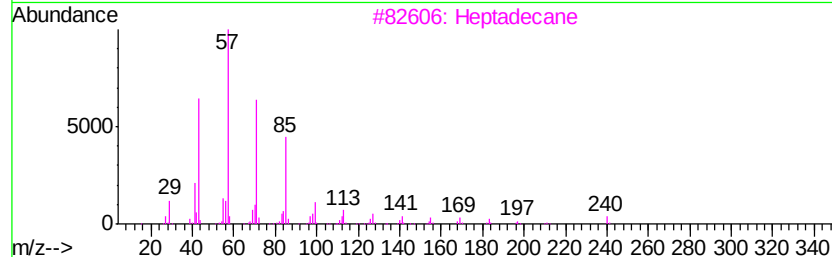
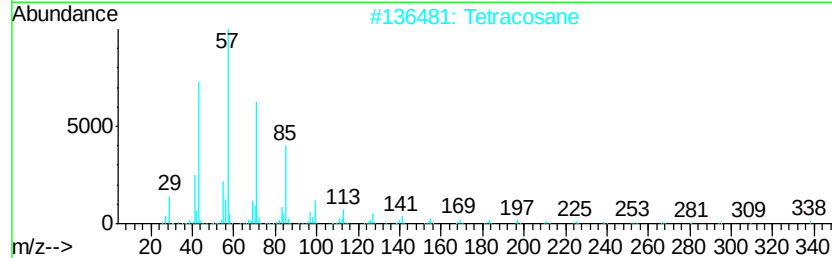
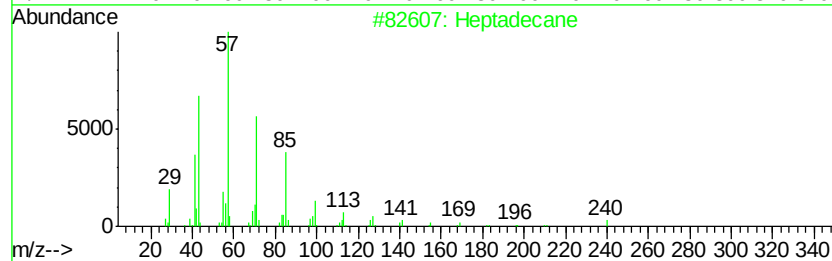
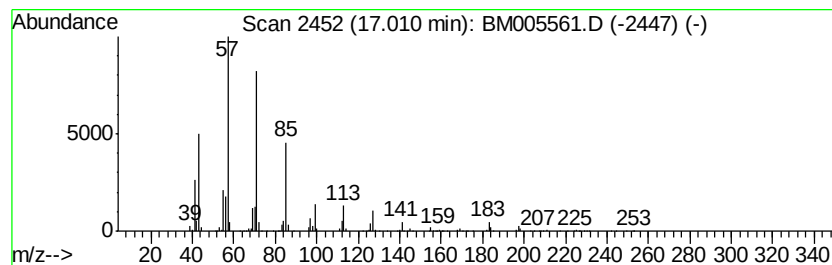
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	21.40 ng/ul	1118860	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	90
2		Tetracosane	338	C24H50	000646-31-1	90
3		Heptadecane	240	C17H36	000629-78-7	90
4		Tridecane	184	C13H28	000629-50-5	87
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

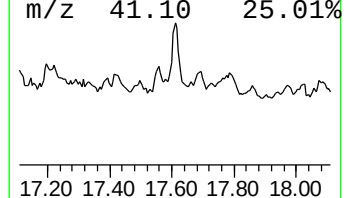
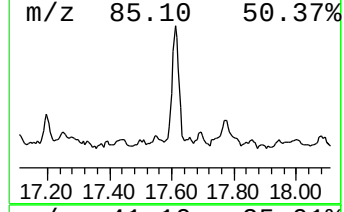
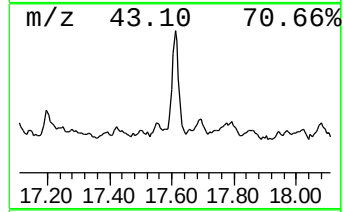
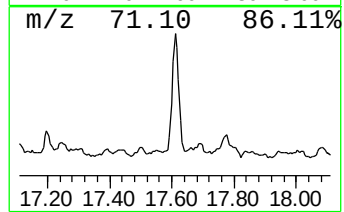
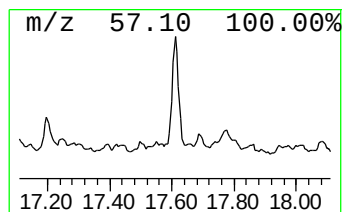
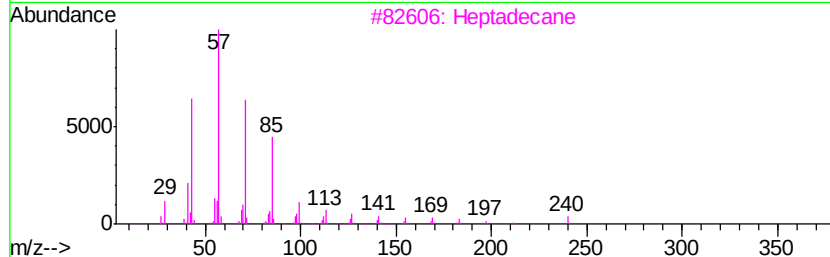
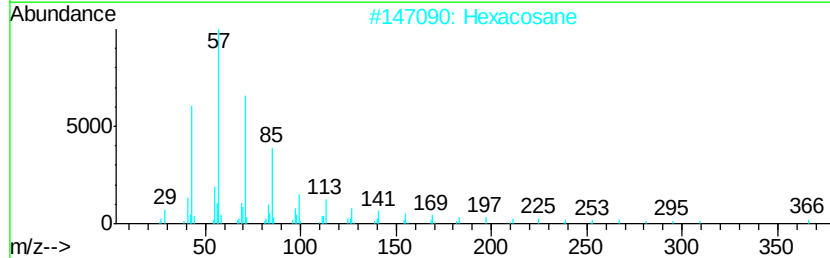
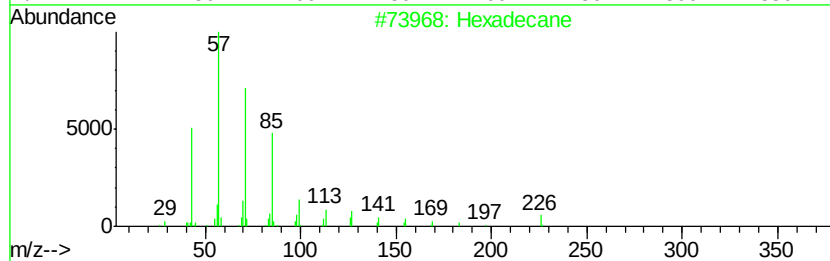
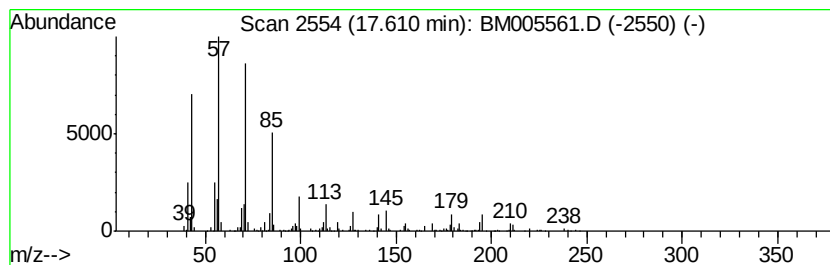
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	5.27 ng/ul	275392	Phenanthrene-d10	17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	87
2			Hexacosane	366	C26H54	000630-01-3	86
3			Heptadecane	240	C17H36	000629-78-7	86
4			Tetratriacontane	479	C34H70	014167-59-0	86
5			Octadecane	254	C18H38	000593-45-3	86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005561.D
Acq On : 21 May 2016 21:34
Operator : UM/SJ
Sample : H3086-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGJ5

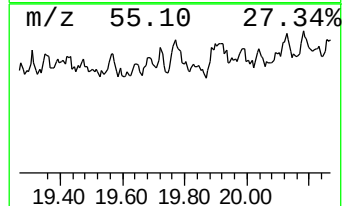
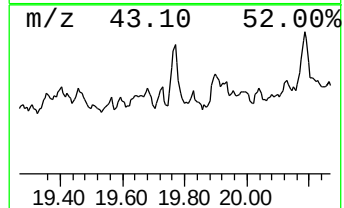
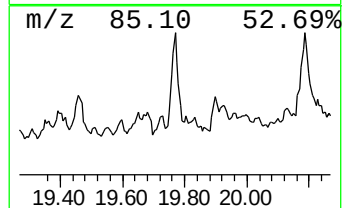
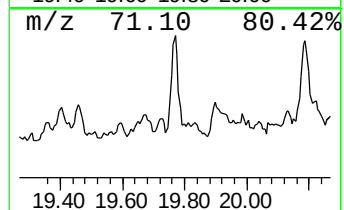
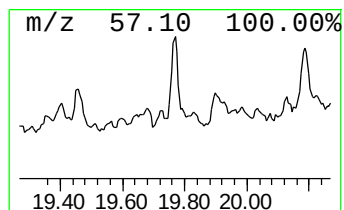
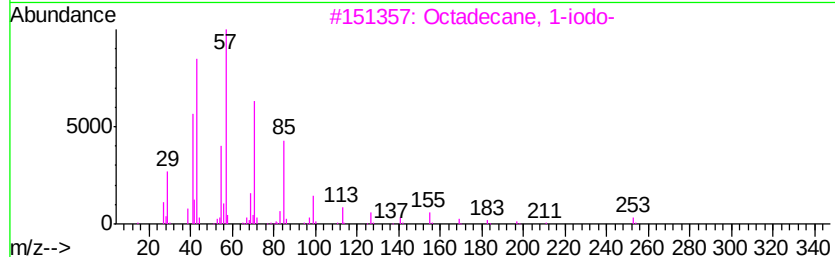
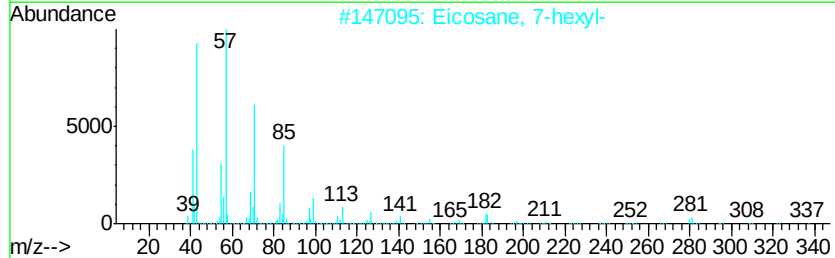
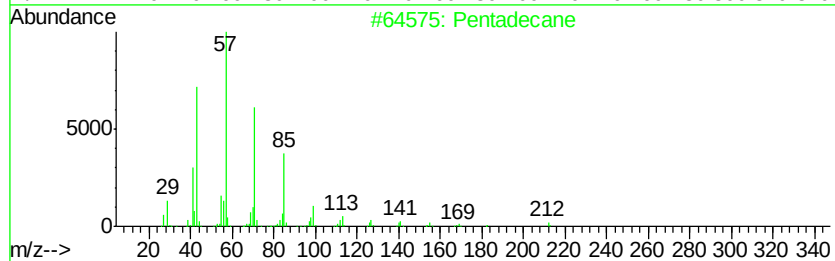
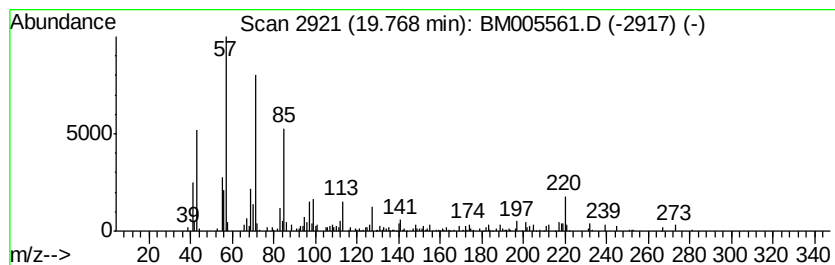
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.22 ng/ul	138032	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	89
2		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	80
3		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
5		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
 Data File : BM005561.D
 Acq On : 21 May 2016 21:34
 Operator : UM/SJ
 Sample : H3086-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGJ5

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	6.10	2.7	ng/ul	105894	1	7.82	781440	20.0
(DEL) Alkane: Cyc...	6.46	2.1	ng/ul	83860	1	7.82	781440	20.0
(DEL) Alkane: Str...	6.49	3.1	ng/ul	120708	1	7.82	781440	20.0
Benzene, 1,2,3-tr...	7.47	2.1	ng/ul	84082	1	7.82	781440	20.0
(DEL) Alkane: Cyc...	7.75	3.7	ng/ul	143449	1	7.82	781440	20.0
unknown-01	8.00	2.2	ng/ul	85135	1	7.82	781440	20.0
(DEL) Alkane: Cyc...	8.10	2.6	ng/ul	100503	1	7.82	781440	20.0
(DEL) Alkane: Str...	8.35	3.5	ng/ul	136365	1	7.82	781440	20.0
(DEL) Alkane: Bra...	8.65	3.3	ng/ul	128633	1	7.82	781440	20.0
unknown-02	8.81	2.4	ng/ul	94198	1	7.82	781440	20.0
1-Allyl-1-but-3-e...	8.92	6.5	ng/ul	254936	1	7.82	781440	20.0
(DEL) Alkane: Cyc...	9.13	2.4	ng/ul	92969	1	7.82	781440	20.0
(DEL) Alkane: Cyc...	9.17	3.5	ng/ul	135357	1	7.82	781440	20.0
(DEL) Alkane: Bra...	9.53	4.4	ng/ul	235711	2	10.61	1067930	20.0
(DEL) Alkane: Bra...	9.79	5.7	ng/ul	305536	2	10.61	1067930	20.0
(DEL) Alkane: Str...	9.96	2.3	ng/ul	122536	2	10.61	1067930	20.0
(DEL) Alkane: Cyc...	11.31	8.4	ng/ul	450735	2	10.61	1067930	20.0
(DEL) Alkane: Str...	11.44	3.1	ng/ul	166662	2	10.61	1067930	20.0
(DEL) Alkane: Str...	11.63	11.6	ng/ul	621487	2	10.61	1067930	20.0
(DEL) Alkane: Cyc...	11.89	3.0	ng/ul	158633	2	10.61	1067930	20.0
(DEL) Alkane: Bra...	12.41	2.1	ng/ul	110982	2	10.61	1067930	20.0
1,4-Methanonaphth...	12.49	2.7	ng/ul	145042	2	10.61	1067930	20.0
(DEL) Alkane: Bra...	12.66	3.2	ng/ul	195669	3	14.45	1213640	20.0
(DEL) Alkane: Cyc...	12.73	4.6	ng/ul	276498	3	14.45	1213640	20.0
(DEL) Alkane: Str...	12.99	11.6	ng/ul	706485	3	14.45	1213640	20.0
Naphthalene, 1,3-...	13.77	2.4	ng/ul	147903	3	14.45	1213640	20.0
unknown-03	14.29	3.6	ng/ul	216633	3	14.45	1213640	20.0
(DEL) Alkane: Str...	14.86	3.4	ng/ul	206931	3	14.45	1213640	20.0
(DEL) Alkane: Cyc...	14.98	6.8	ng/ul	413731	3	14.45	1213640	20.0
(DEL) Alkane: Str...	15.71	17.2	ng/ul	1041630	3	14.45	1213640	20.0
(DEL) Alkane: Cyc...	15.92	2.6	ng/ul	135763	4	17.19	1045690	20.0
(DEL) Alkane: Str...	16.19	43.0	ng/ul	2248710	4	17.19	1045690	20.0
(DEL) Alkane: Str...	17.01	21.4	ng/ul	1118860	4	17.19	1045690	20.0
(DEL) Alkane: Str...	17.61	5.3	ng/ul	275392	4	17.19	1045690	20.0
(DEL) Alkane: Str...	19.77	2.2	ng/ul	138032	5	21.36	1240930	20.0