

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
 Data File : BM005608.D
 Acq On : 23 May 2016 04:08
 Operator : UM/SJ
 Sample : H3086-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGG9

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	7.010	748	752	765	rVB	171978	318556	1.21%	0.075%
2	7.363	807	812	820	rVB	180167	314523	1.20%	0.074%
3	7.828	887	891	896	rVB	238515	380168	1.45%	0.090%
4	8.545	1007	1013	1016	rBV	217897	350594	1.34%	0.083%
5	8.981	1082	1087	1092	rBV	177888	315840	1.20%	0.074%
6	9.045	1092	1098	1103	rVB	584293	925703	3.53%	0.218%
7	9.451	1162	1167	1172	rBV2	168065	297753	1.14%	0.070%
8	9.704	1201	1210	1213	rBV3	223928	464163	1.77%	0.109%
9	9.745	1213	1217	1222	rVV2	194881	354871	1.35%	0.084%
10	9.816	1222	1229	1234	rVV4	165302	444226	1.69%	0.105%
11	9.892	1234	1242	1247	rVB3	281094	695390	2.65%	0.164%
12	9.957	1248	1253	1258	rBV2	347011	591012	2.25%	0.139%
13	10.033	1258	1266	1271	rVV3	586641	1340670	5.11%	0.316%
14	10.145	1280	1285	1288	rVV	401952	622054	2.37%	0.147%
15	10.198	1290	1294	1299	rVV4	217368	413254	1.58%	0.097%
16	10.251	1299	1303	1309	rVB	278113	472234	1.80%	0.111%
17	10.316	1309	1314	1323	rBV2	256197	608628	2.32%	0.143%
18	10.475	1336	1341	1343	rVV2	198970	343665	1.31%	0.081%
19	10.516	1344	1348	1354	rVV5	341371	983604	3.75%	0.232%
20	10.592	1354	1361	1369	rVV3	4172620	8614585	32.85%	2.031%
21	10.663	1369	1373	1381	rVV4	611052	1937371	7.39%	0.457%
22	10.733	1381	1385	1388	rVV	712111	1315873	5.02%	0.310%
23	10.775	1388	1392	1398	rVV	1765454	2946311	11.24%	0.695%
24	10.839	1398	1403	1409	rVV2	756199	1522194	5.80%	0.359%
25	10.904	1410	1414	1420	rVB4	408807	787501	3.00%	0.186%
26	11.027	1425	1435	1442	rBV4	504186	1720208	6.56%	0.406%
27	11.104	1442	1448	1454	rVB3	591465	1174788	4.48%	0.277%
28	11.233	1466	1470	1473	rBV4	272366	390130	1.49%	0.092%
29	11.280	1473	1478	1481	rVV	819751	1420408	5.42%	0.335%
30	11.322	1481	1485	1492	rVV5	1221771	3736339	14.25%	0.881%
31	11.380	1492	1495	1502	rVV2	976745	2069483	7.89%	0.488%
32	11.457	1503	1508	1514	rVV4	1392907	2436107	9.29%	0.574%
33	11.539	1515	1522	1529	rBV2	2624816	5112041	19.49%	1.205%
34	11.651	1534	1541	1550	rBV2	3238199	7629242	29.09%	1.798%

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35	11.733	1550	1555	1560	rVB	1234169	2257089	8.61%	0.532%
36	12.063	1599	1611	1615	rBV3	7350260	16368055	62.42%	3.858%
37	12.263	1640	1645	1655	rVB3	1780417	5685654	21.68%	1.340%
38	12.516	1680	1688	1697	rBV5	2370867	7705337	29.38%	1.816%
39	12.592	1699	1701	1709	rVB4	1632735	2560945	9.77%	0.604%
40	12.733	1721	1725	1732	rVB5	2060807	4072123	15.53%	0.960%
41	12.798	1732	1736	1738	rBV	1469046	2179599	8.31%	0.514%
42	12.869	1744	1748	1758	rVB4	2627784	6456768	24.62%	1.522%
43	12.957	1759	1763	1767	rBV3	2276967	4619715	17.62%	1.089%
44	13.016	1768	1773	1778	rVB2	4169631	7784476	29.69%	1.835%
45	13.139	1788	1794	1799	rBV4	1884474	4795561	18.29%	1.130%
46	13.327	1819	1826	1830	rVB	7209940	13707104	52.27%	3.231%
47	13.416	1836	1841	1846	rVB2	1948434	4077492	15.55%	0.961%
48	13.516	1854	1858	1860	rBV2	1899241	2834908	10.81%	0.668%
49	13.657	1874	1882	1892	rBV2	5879164	19387606	73.93%	4.570%
50	13.821	1904	1910	1915	rBV	7021992	15134191	57.71%	3.568%
51	13.874	1915	1919	1925	rVB	6649731	11217888	42.78%	2.644%
52	14.010	1938	1942	1945	rBV	1956178	2641540	10.07%	0.623%
53	14.051	1945	1949	1952	rBV	2133480	3578681	13.65%	0.844%
54	14.398	2000	2008	2012	rBV	8726532	15567546	59.37%	3.670%
55	14.539	2029	2032	2042	rVB3	1812175	3945557	15.05%	0.930%
56	14.615	2042	2045	2052	rVB3	1705692	2796967	10.67%	0.659%
57	14.710	2054	2061	2068	rVB2	5394163	14975769	57.11%	3.530%
58	14.786	2070	2074	2079	rBV3	1785215	3110907	11.86%	0.733%
59	14.898	2086	2093	2098	rVB	6839685	14589819	55.64%	3.439%
60	14.980	2102	2107	2114	rVV2	6284553	10148206	38.70%	2.392%
61	15.115	2124	2130	2135	rBV	5766680	10832510	41.31%	2.554%
62	15.168	2135	2139	2143	rVB	4591070	6278779	23.94%	1.480%
63	15.345	2162	2169	2173	rVB2	8035567	15326989	58.45%	3.613%
64	15.445	2182	2186	2191	rBV3	1690311	2772375	10.57%	0.654%
65	15.533	2198	2201	2205	rVB2	2389443	3351563	12.78%	0.790%
66	15.592	2206	2211	2215	rBV2	2534813	5110145	19.49%	1.205%
67	15.668	2221	2224	2228	rVV	2917536	3662681	13.97%	0.863%
68	15.710	2228	2231	2233	rVV3	1938337	2715668	10.36%	0.640%
69	15.745	2234	2237	2245	rVB3	5091701	8388606	31.99%	1.977%
70	15.951	2269	2272	2275	rVB2	2425822	2873429	10.96%	0.677%
71	16.209	2310	2316	2330	rVB3	9772239	26222855	100.00%	6.182%

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72	16.351	2335	2340	2344	rBV2	2240169	3819800	14.57%	0.900%
73	16.598	2378	2382	2387	rVB4	3068205	4761145	18.16%	1.122%
74	16.751	2404	2408	2412	rBV3	1654059	3413422	13.02%	0.805%
75	16.986	2443	2448	2453	rBV	5882045	9952624	37.95%	2.346%
76	17.039	2454	2457	2468	rVB4	4977551	9280272	35.39%	2.188%
77	17.280	2494	2498	2503	rBV	1784063	3328275	12.69%	0.785%
78	17.639	2555	2559	2563	rBV3	2074794	3331687	12.71%	0.785%
79	17.727	2569	2574	2578	rVB	6393129	9286451	35.41%	2.189%
80	18.109	2636	2639	2643	rBV	1955428	2864889	10.93%	0.675%
81	18.162	2644	2648	2654	rVB	3835084	5763699	21.98%	1.359%
82	18.415	2687	2691	2695	rBV	5708893	6944551	26.48%	1.637%
83	19.045	2792	2798	2802	rBV2	5245656	9643287	36.77%	2.273%
84	19.627	2894	2897	2900	rVB2	3982176	4453736	16.98%	1.050%
85	20.162	2985	2988	2992	rVB	3809036	4582294	17.47%	1.080%

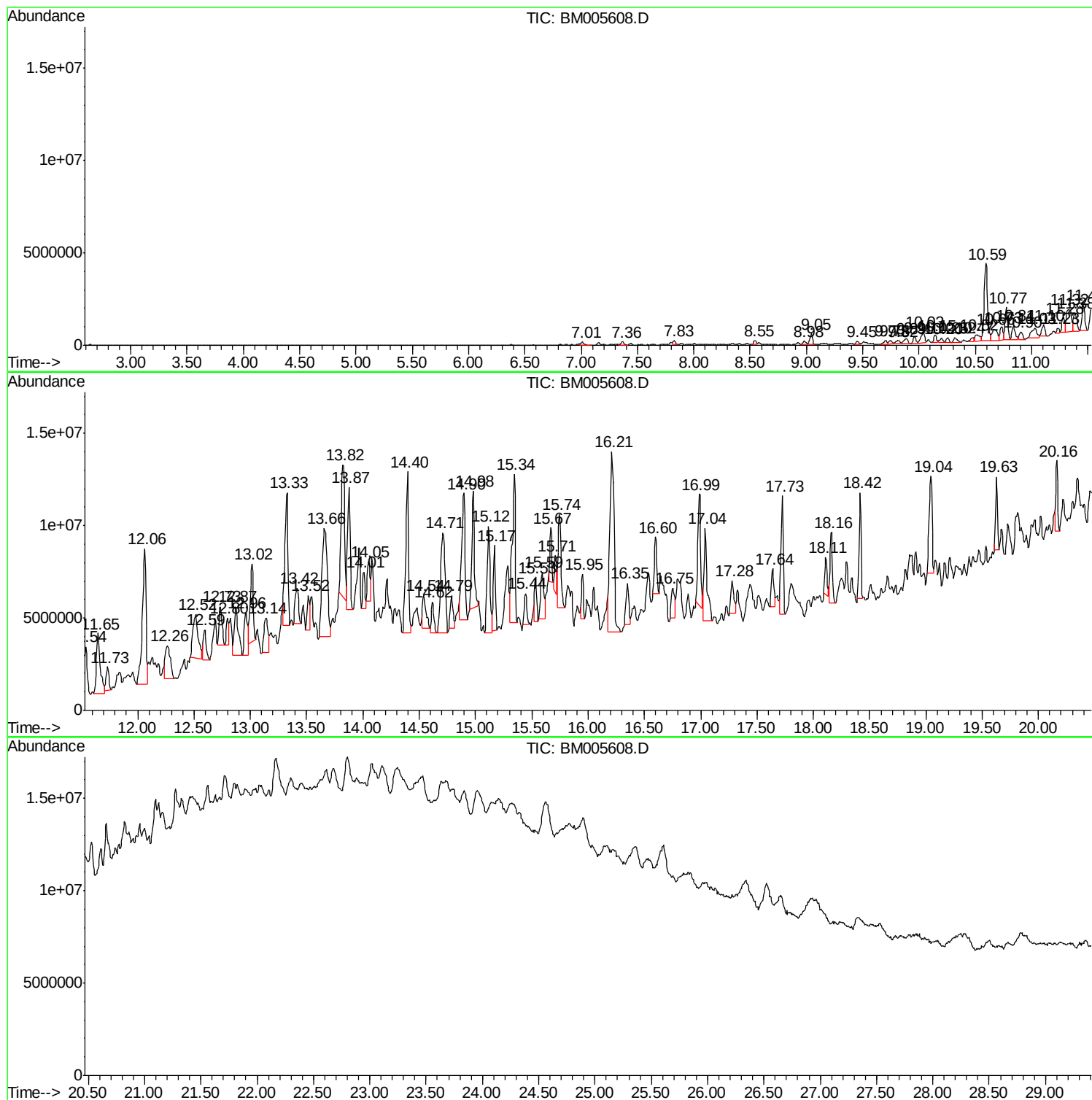
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



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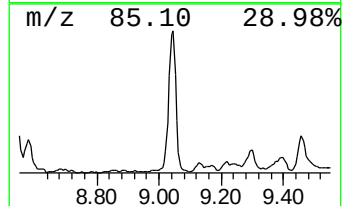
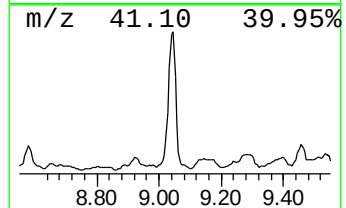
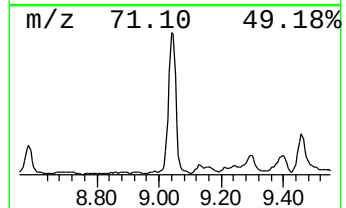
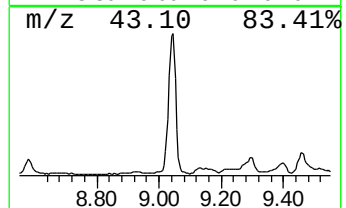
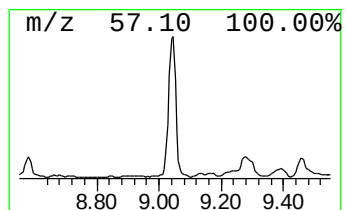
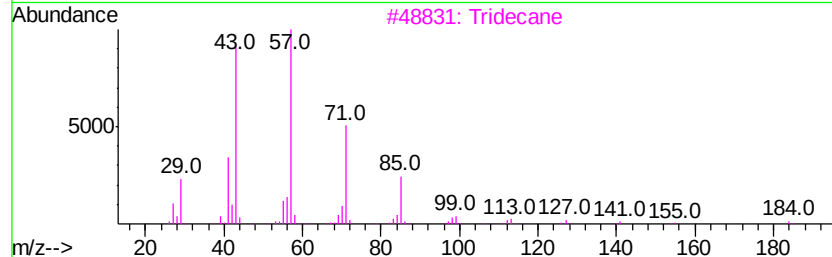
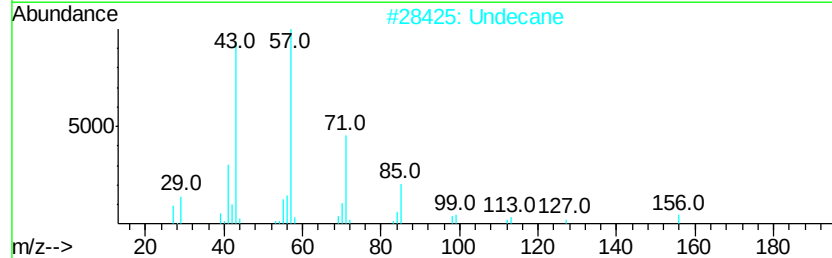
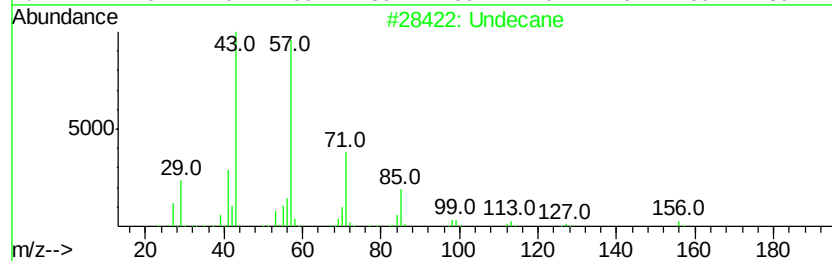
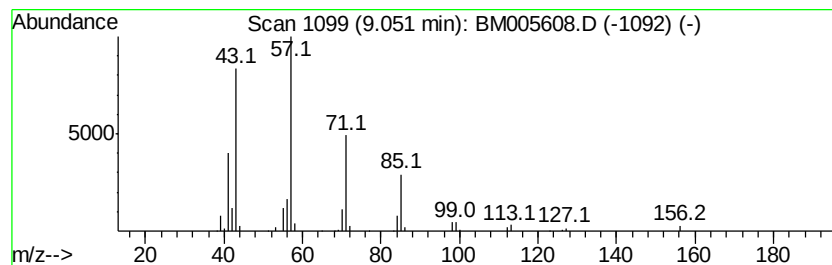
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	48.70 ng/ul	925703	1,4-Dichlorobenzene-d4	7.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	93
2		Undecane	156	C11H24	001120-21-4	87
3		Tridecane	184	C13H28	000629-50-5	86
4		Tridecane	184	C13H28	000629-50-5	83
5		Tetradecane	198	C14H30	000629-59-4	83



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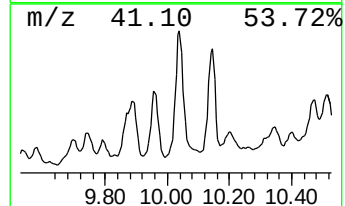
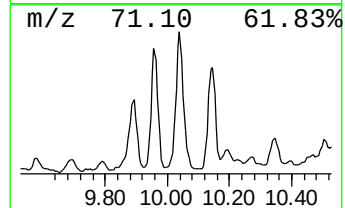
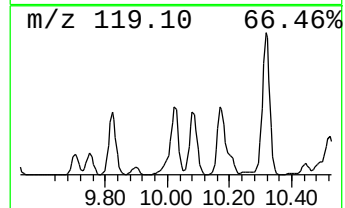
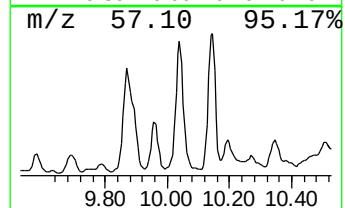
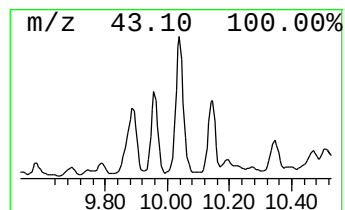
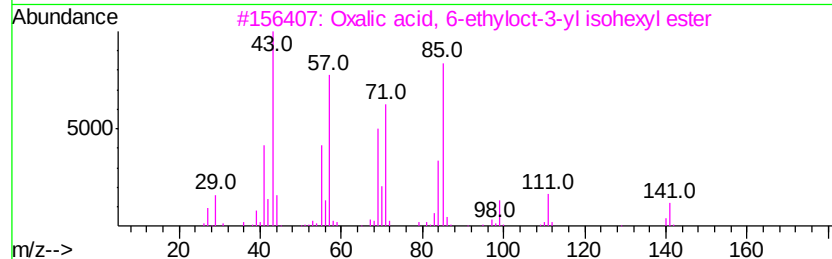
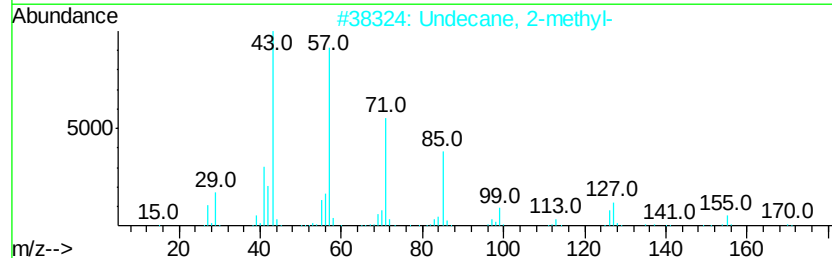
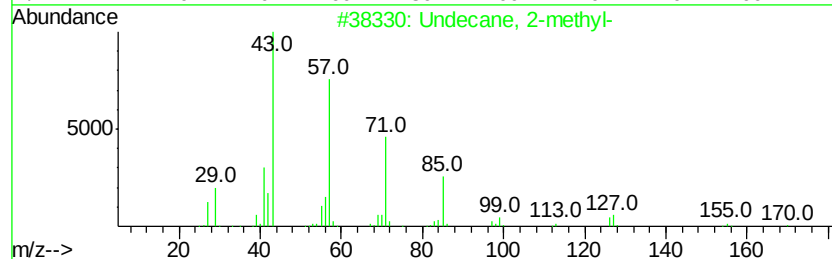
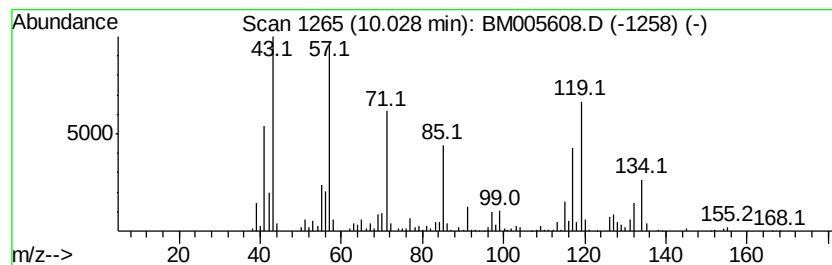
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.03	3.11 ng/ul	1340670	Napthalene-d8	10.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	76
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	59
3	Oxalic acid, 6-ethvloct-3-vl iso...	314	C18H34O4	1000309-34-3	53
4	Octane, 4-methyl-	128	C9H20	002216-34-4	52
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	50



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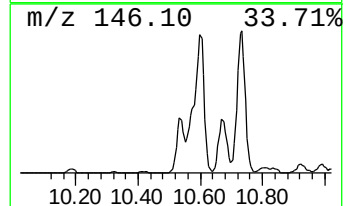
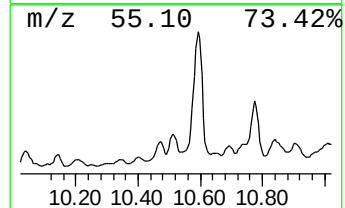
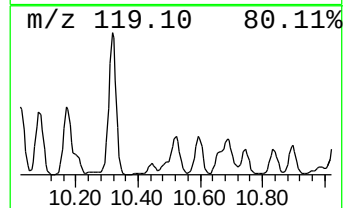
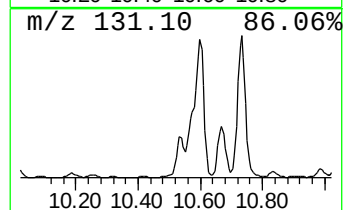
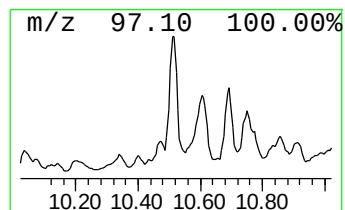
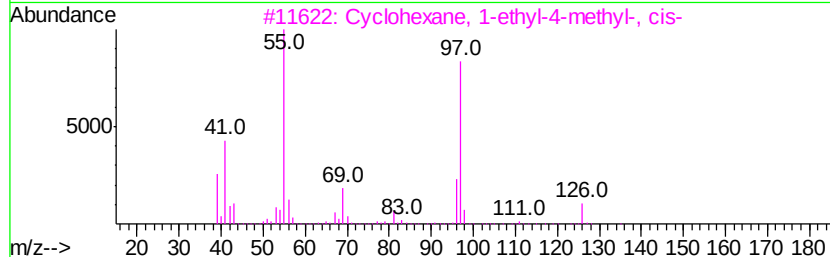
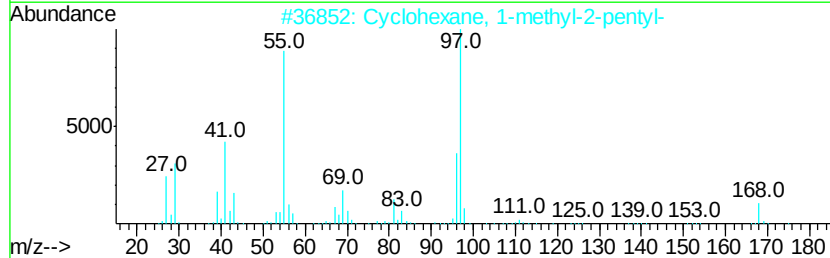
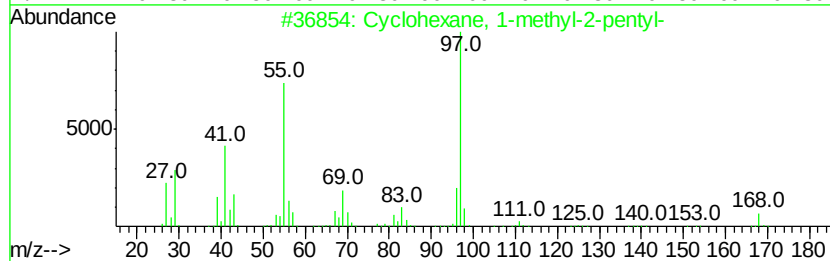
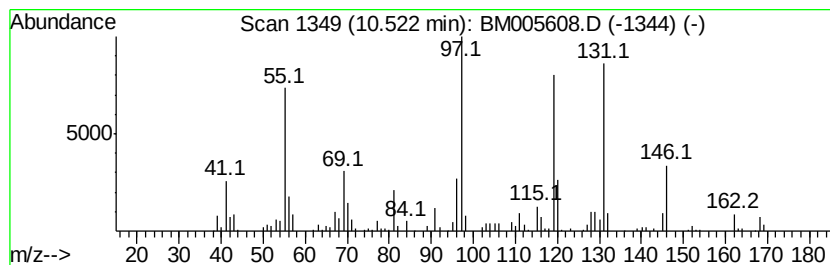
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 (DEL) Alkane: Cyclic10.52 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	2.28 ng/ul	983604	Napthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-methyl-2-pentyl-	168 C12H24	054411-01-7 60
2		Cyclohexane, 1-methyl-2-pentyl-	168 C12H24	054411-01-7 49
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	004926-78-7 43
4		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 43
5		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 43



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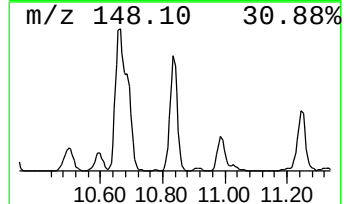
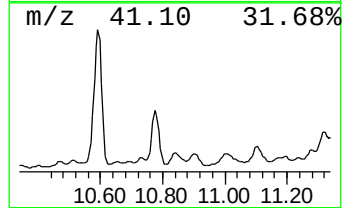
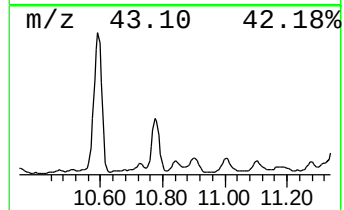
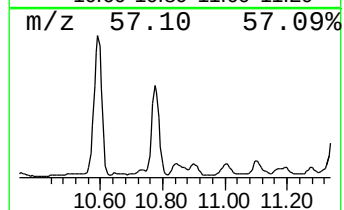
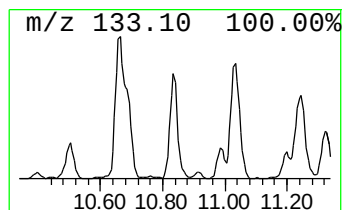
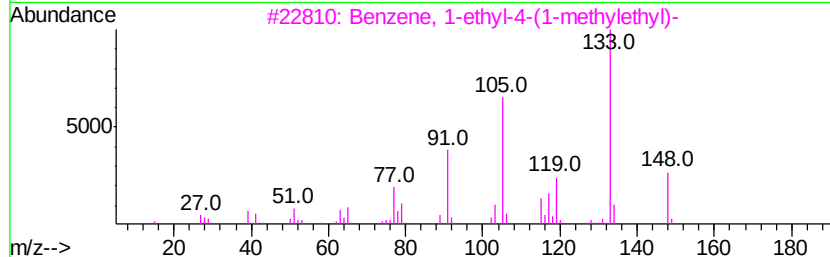
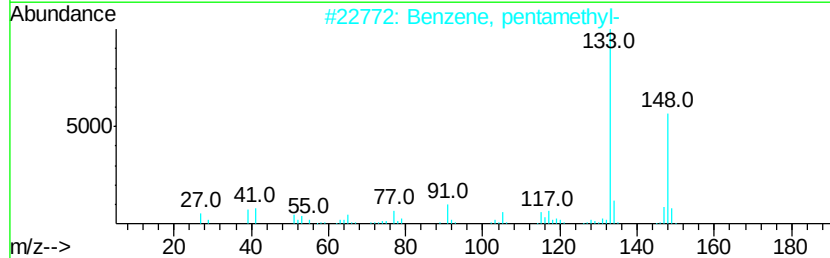
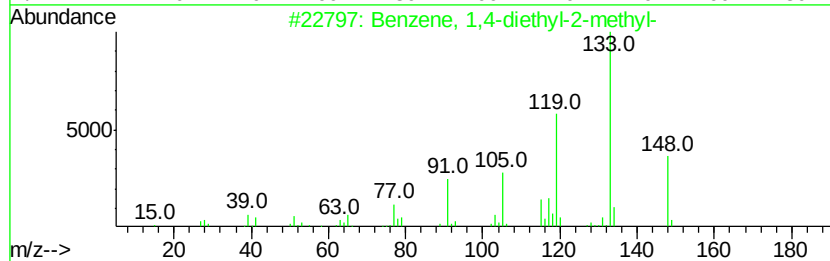
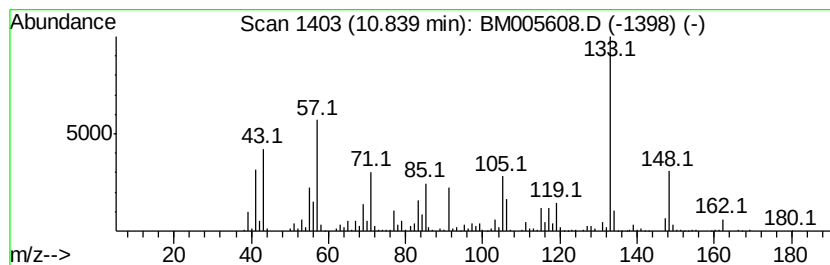
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	3.53 ng/ul	1522190	Napthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5 83
2		Benzene, pentamethyl-	148 C11H16	000700-12-9 78
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148 C11H16	004218-48-8 76
4		3,4-Dimethylcumene	148 C11H16	1000370-34-1 70
5		1,5,6,7-Tetramethylbicyclo[3.2.0...	148 C11H16	134329-46-7 70



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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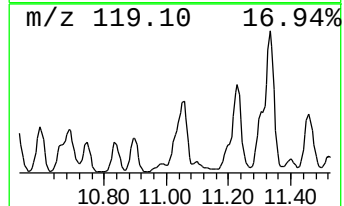
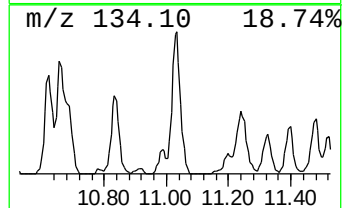
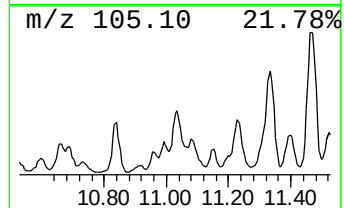
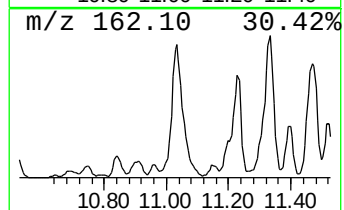
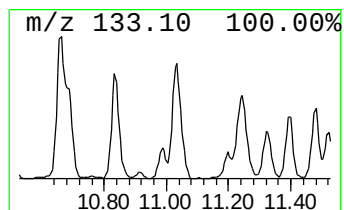
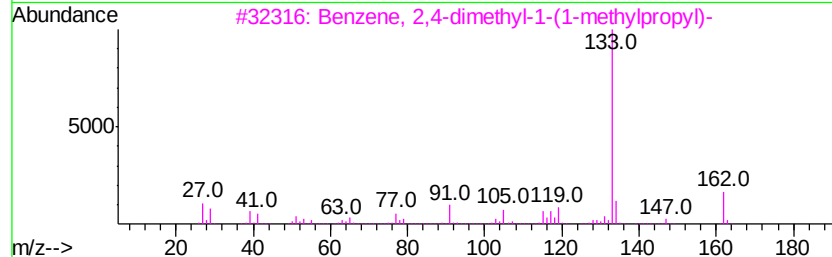
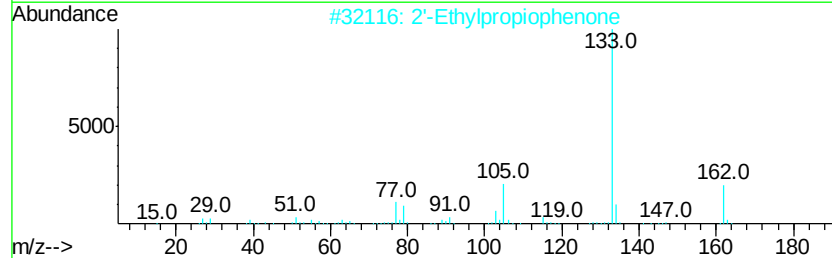
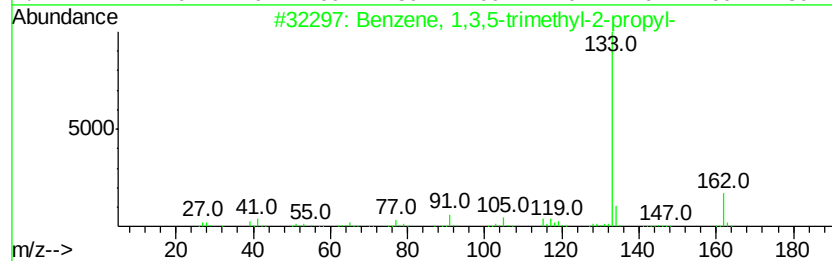
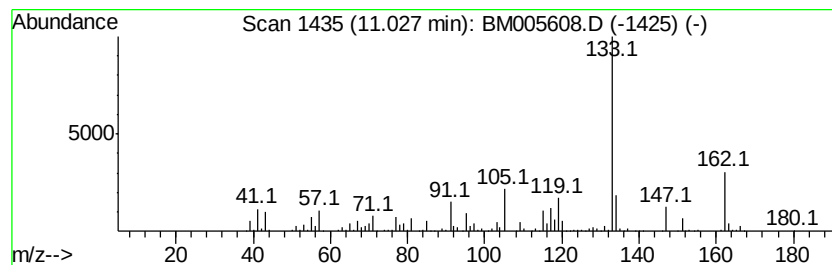
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	3.99 ng/ul	1720210	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	81
2		2'-Ethylpropiofenone	162	C11H14O	016819-79-7	59
3		Benzene, 2,4-dimethyl-1-(1-methylpropyl)-	162	C12H18	001483-60-9	53
4		Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	49
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
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Sample : H3086-19
Misc :
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ClientSampleId :
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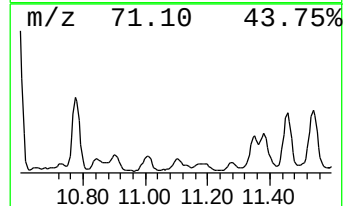
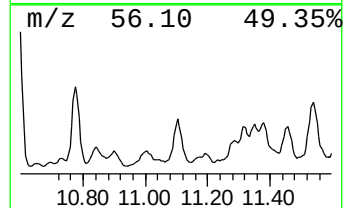
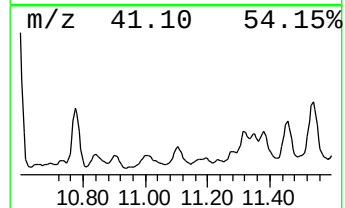
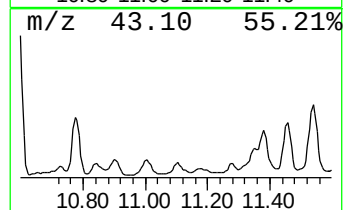
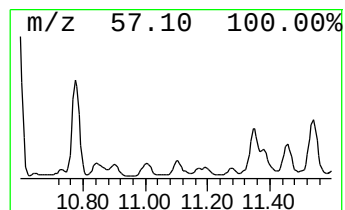
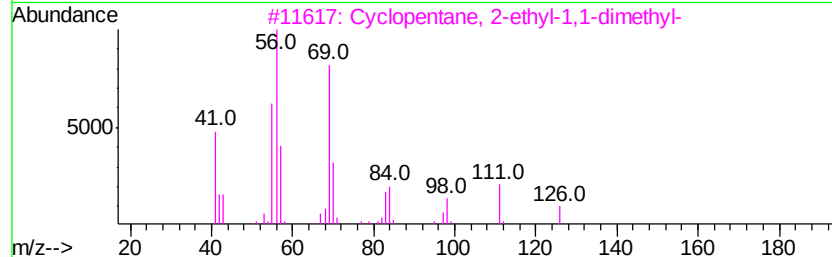
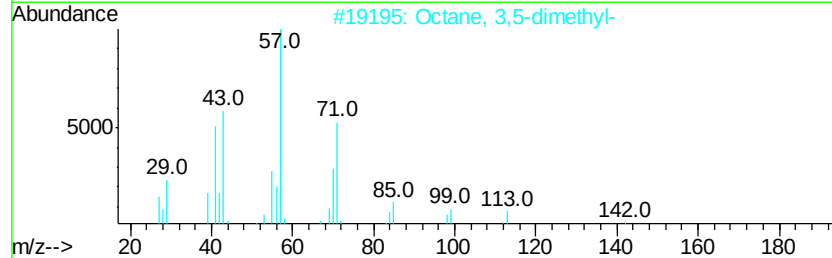
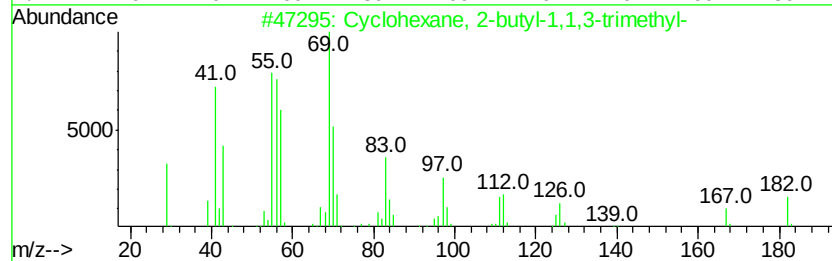
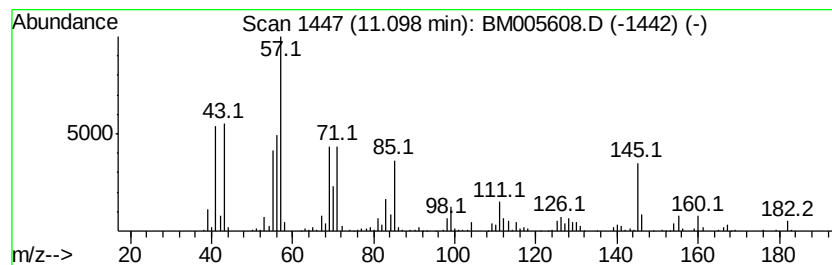
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic11.10 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.73 ng/ul	1174790	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	41
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
3		Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	38
4		2-Undecene, 7-methyl-	168	C12H24	1000061-83-0	30
5		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

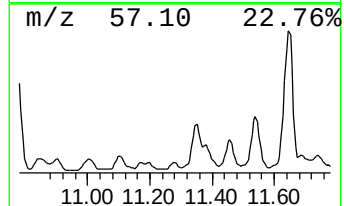
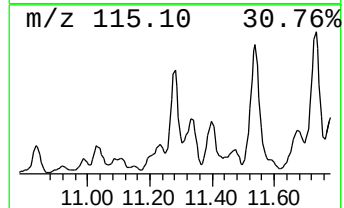
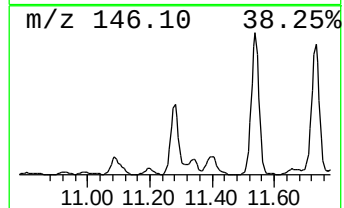
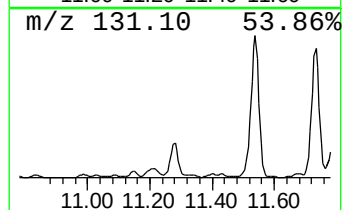
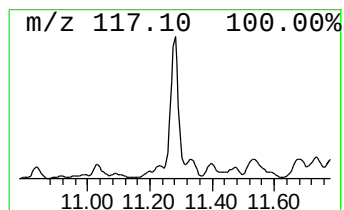
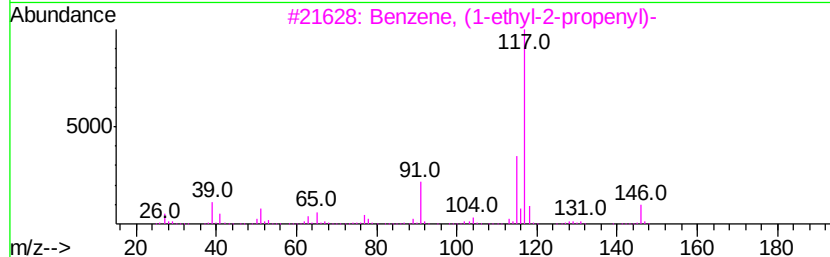
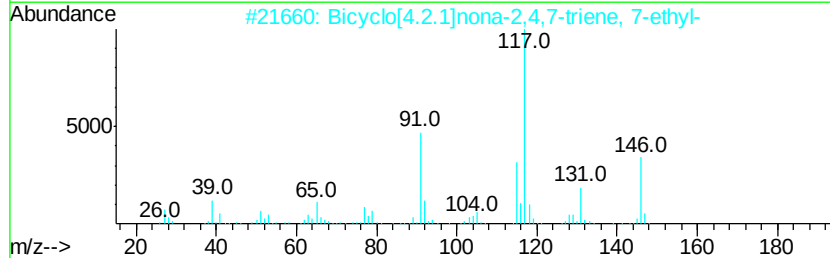
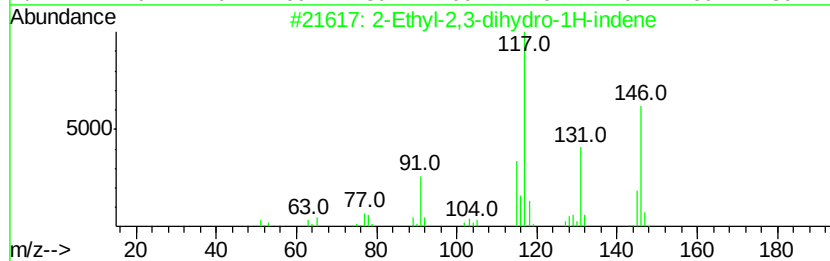
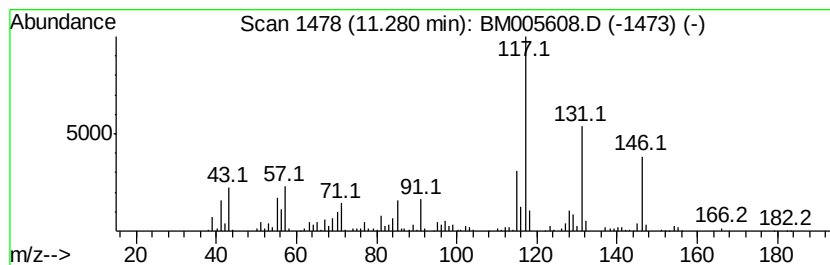
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 2-Ethyl-2,3-dihydro-1H-indene Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	3.30 ng/ul	1420410	Naphthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Ethyl-2,3-dihydro-1H-indene	146 C11H14	056147-63-8	74
2	Bicyclo[4.2.1]nona-2,4,7-triene,...	146 C11H14	1000164-42-6	64
3	Benzene, (1-ethyl-2-propenyl)-	146 C11H14	019947-22-9	53
4	Benzene, 1-pentenyl-	146 C11H14	000826-18-6	47
5	trans-1-Phenyl-1-pentene	146 C11H14	016002-93-0	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
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Sample : H3086-19
Misc :
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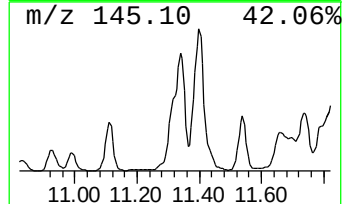
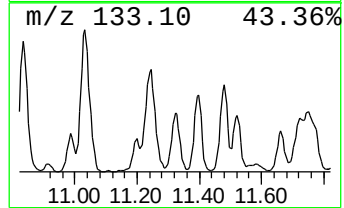
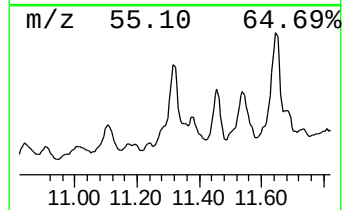
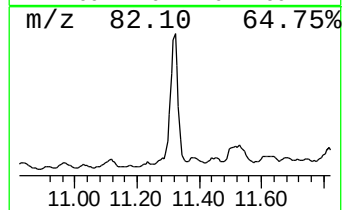
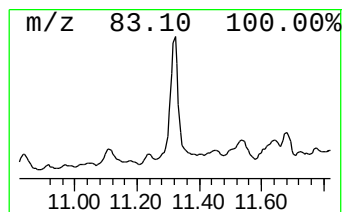
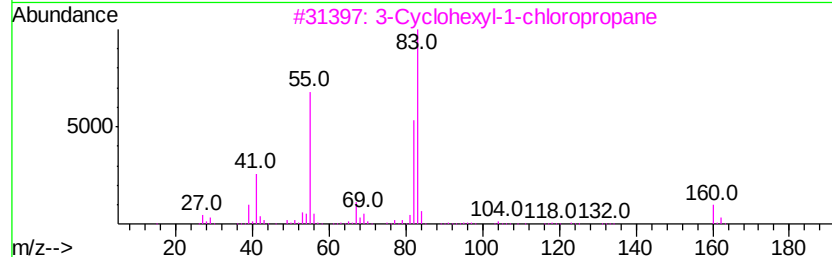
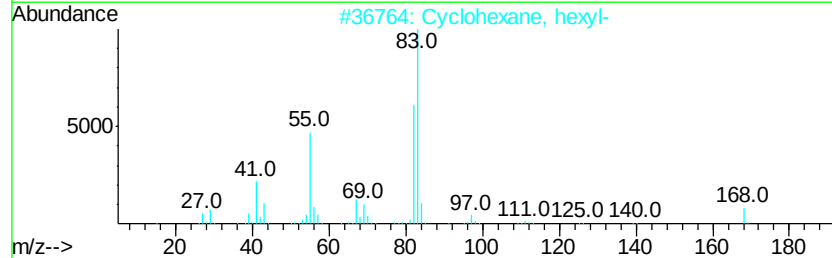
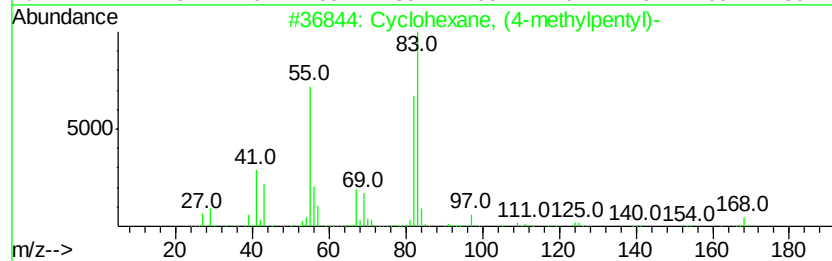
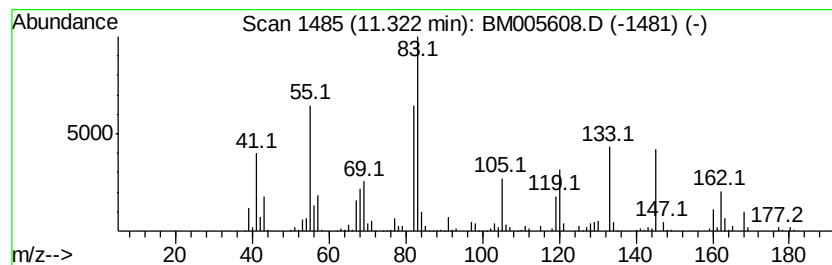
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic11.32 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	8.67 ng/ul	3736340	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	41
2		Cyclohexane, hexyl-	168	C12H24	004292-75-5	38
3		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	38
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	27
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
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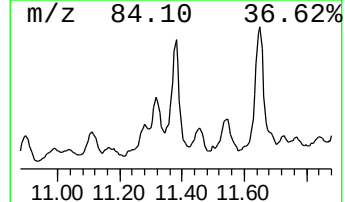
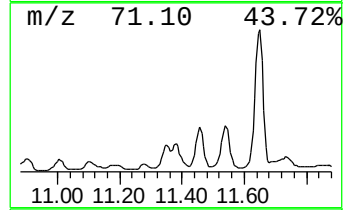
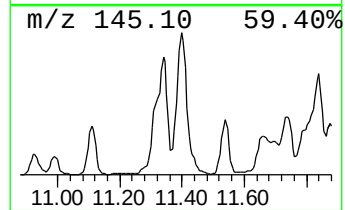
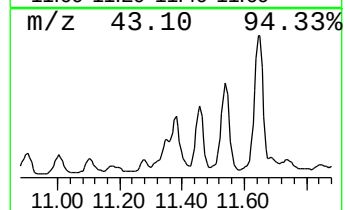
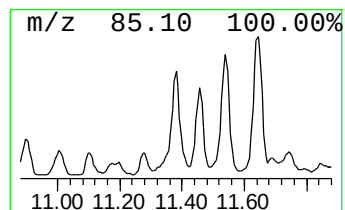
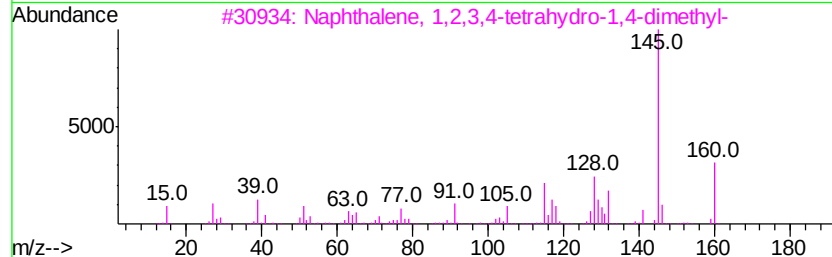
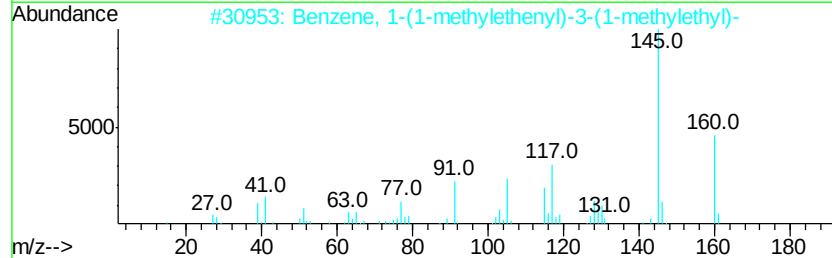
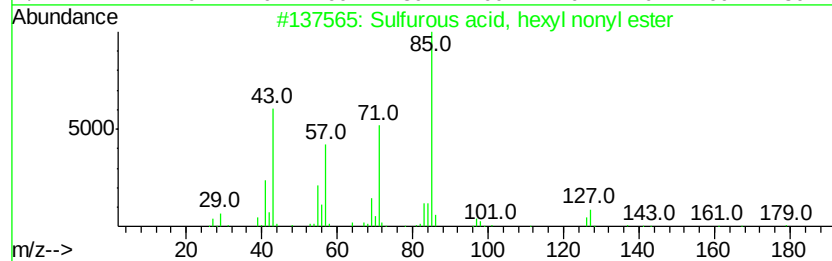
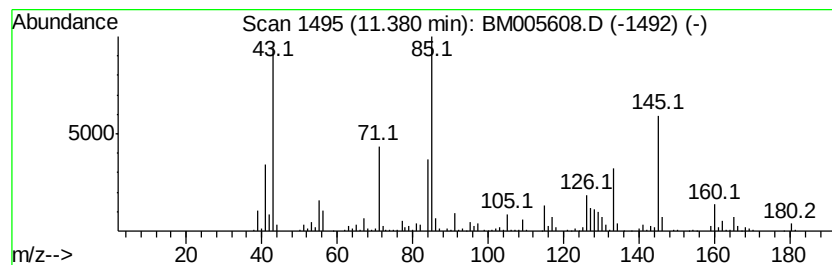
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-01 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	4.80 ng/ul	2069480	Naphthalene-d8	10.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Sulfurous acid, hexyl nonyl ester	292 C15H32O3S	1000309-13-1 43
2		Benzene, 1-(1-methylethenyl)-3-(...	160 C12H16	001129-29-9 25
3		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 25
4		1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5 25
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	025419-33-4 25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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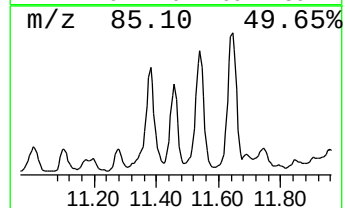
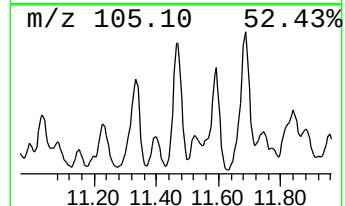
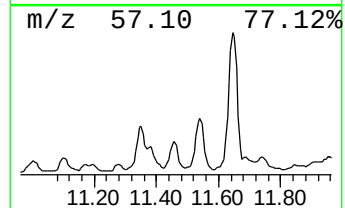
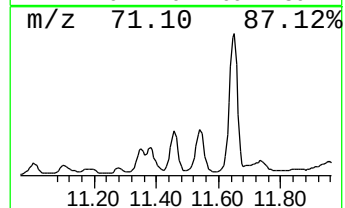
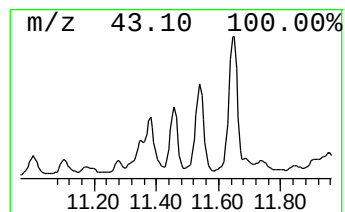
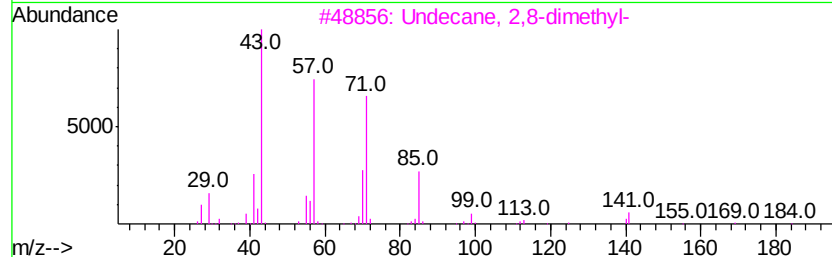
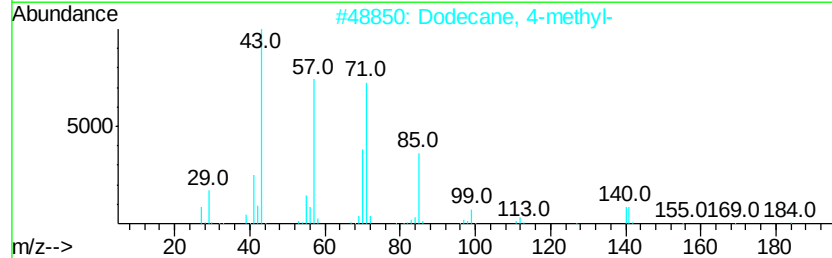
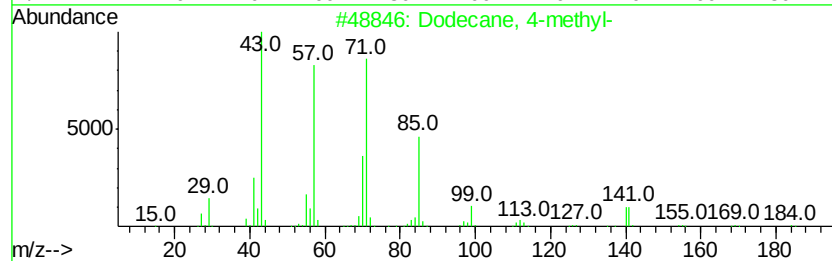
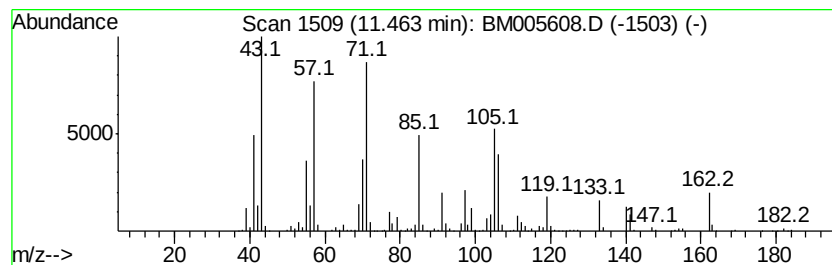
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.46	5.66 ng/ul	2436110	Napthalene-d8	10.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	97
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	91
3	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	43
4	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	38
5	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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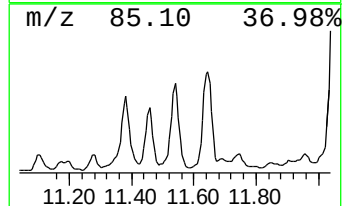
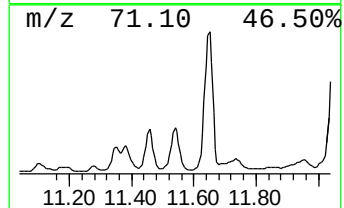
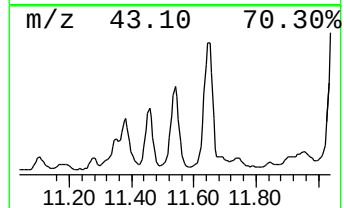
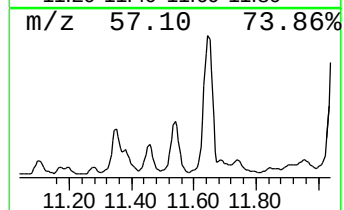
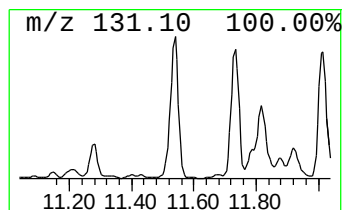
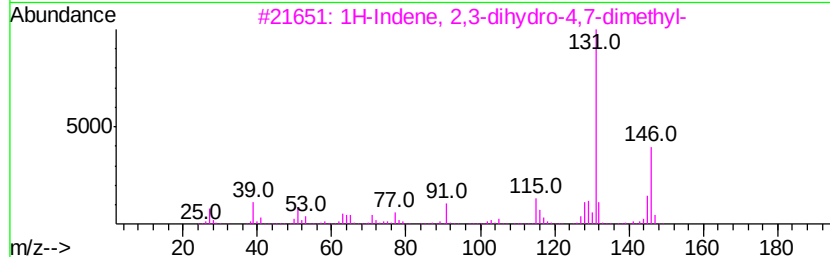
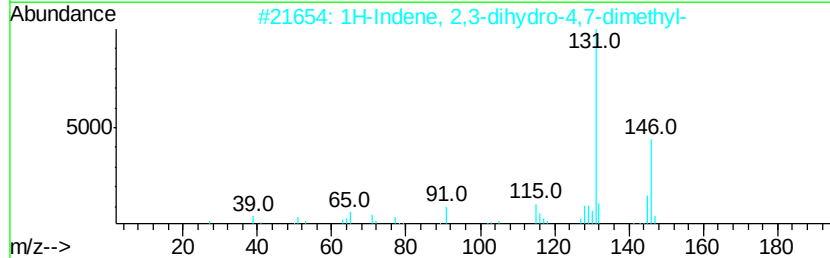
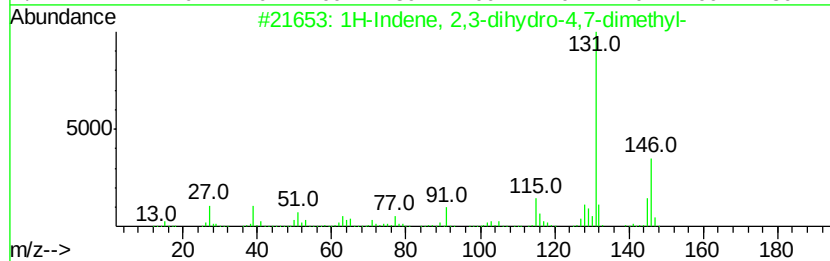
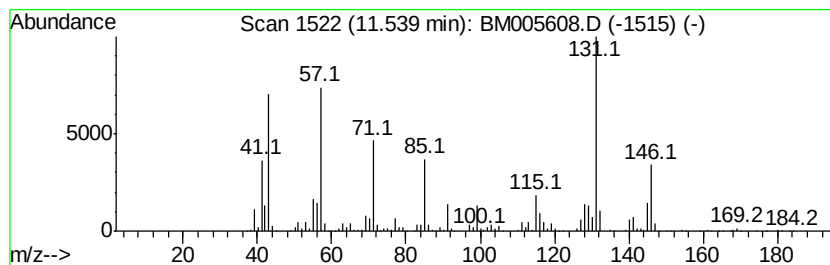
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	11.87 ng/ul	5112040	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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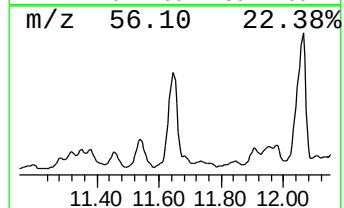
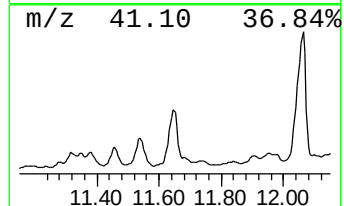
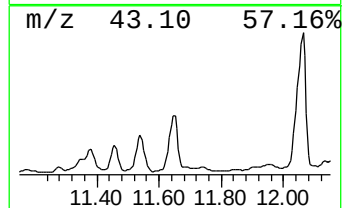
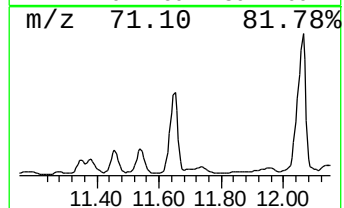
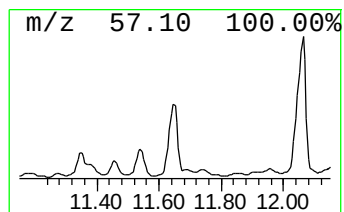
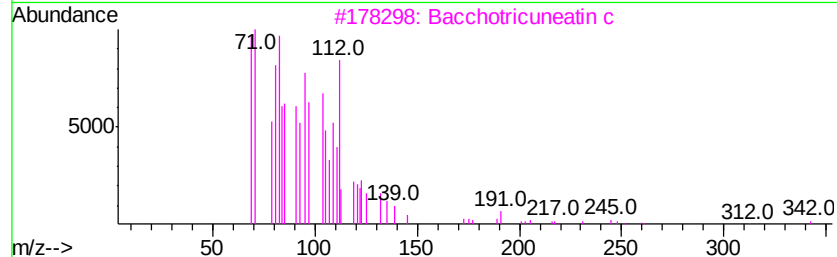
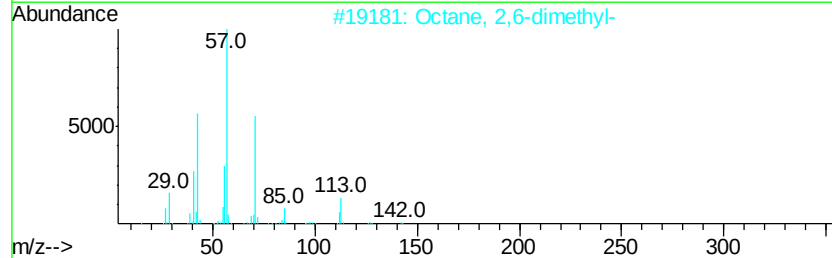
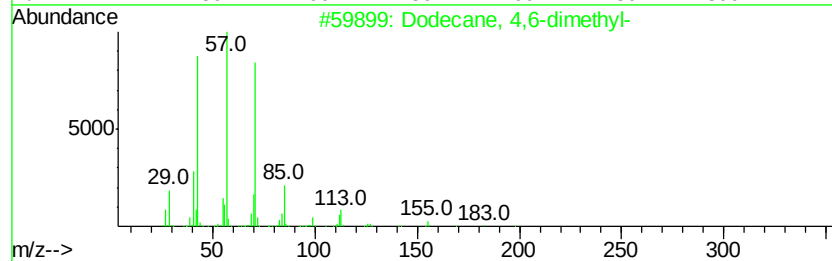
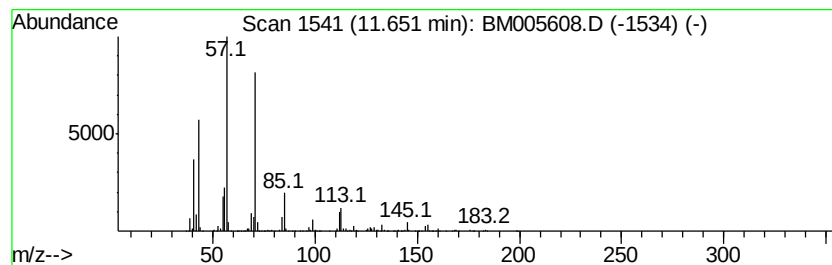
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	17.71 ng/ul	7629240	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	93
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	74
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74
5		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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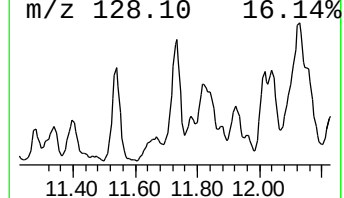
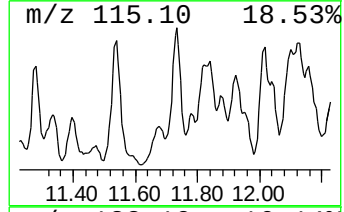
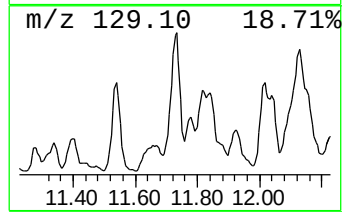
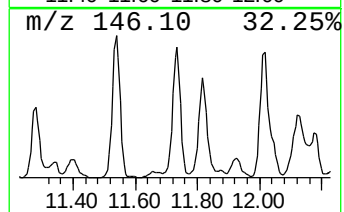
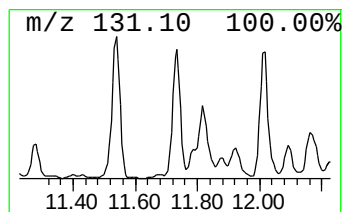
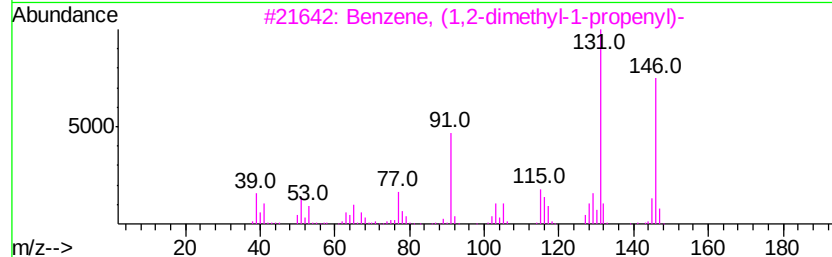
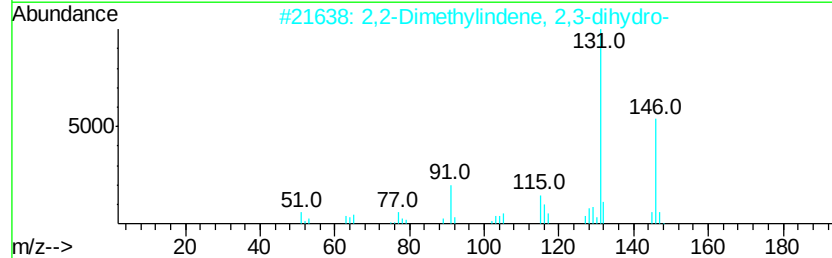
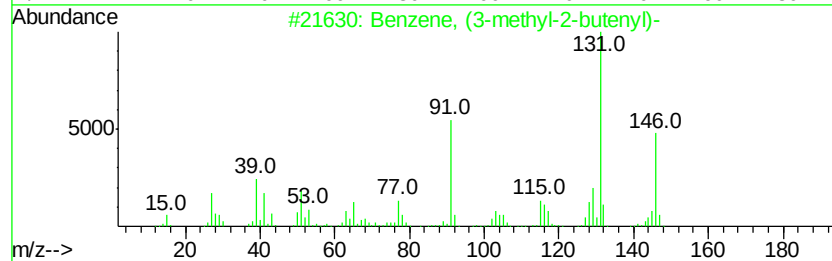
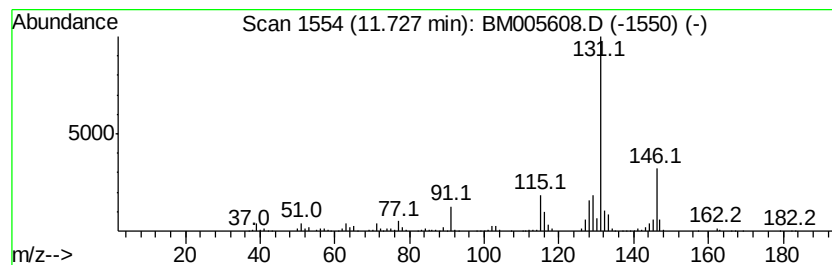
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Benzene, (3-methyl-2-butenyl)- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	5.24 ng/ul	2257090	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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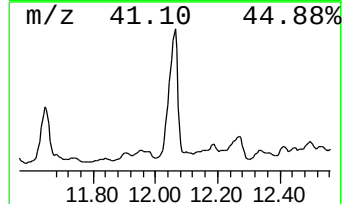
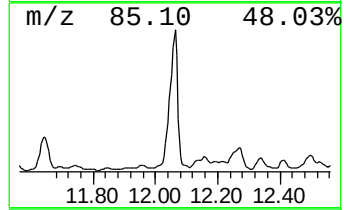
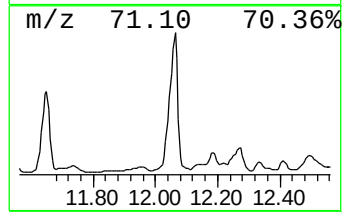
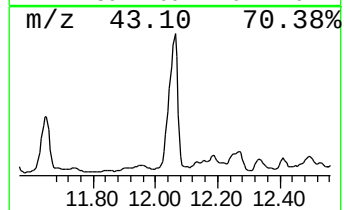
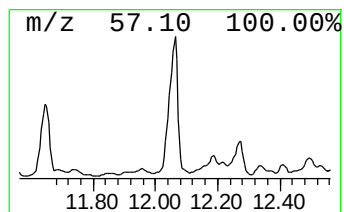
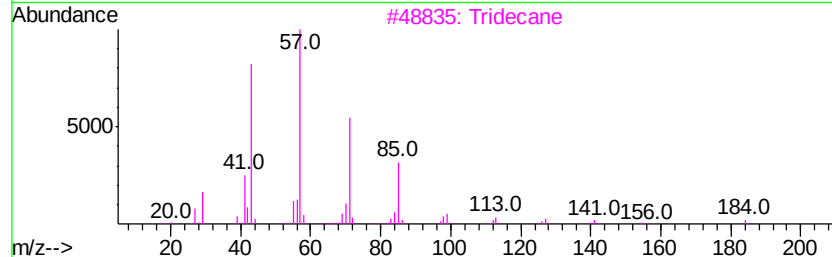
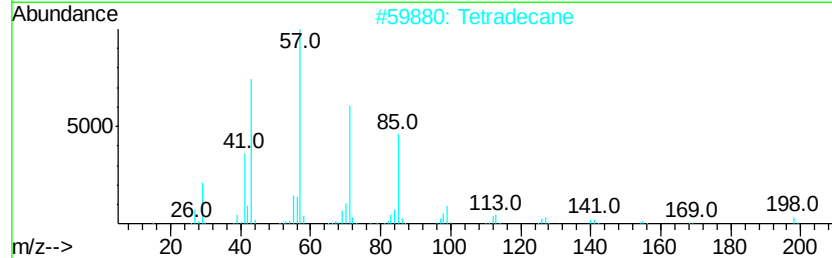
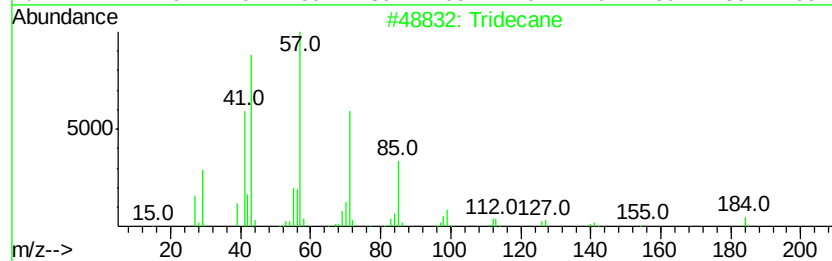
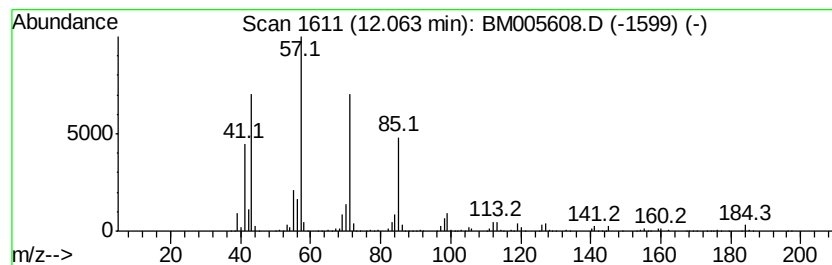
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	38.00 ng/ul	16368100	Napthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	96
2		Tetradecane	198	C14H30	000629-59-4	91
3		Tridecane	184	C13H28	000629-50-5	90
4		Tridecane	184	C13H28	000629-50-5	90
5		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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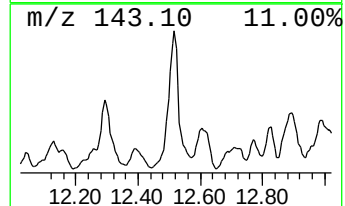
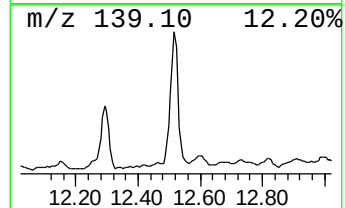
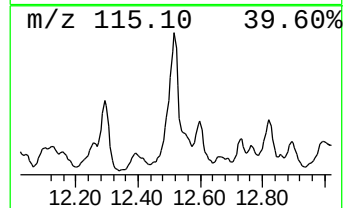
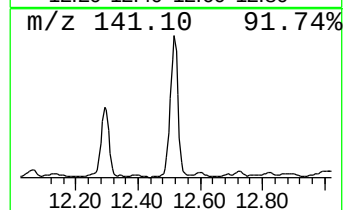
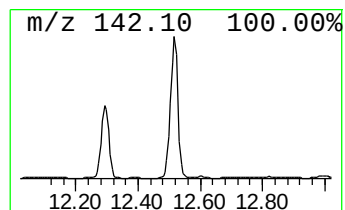
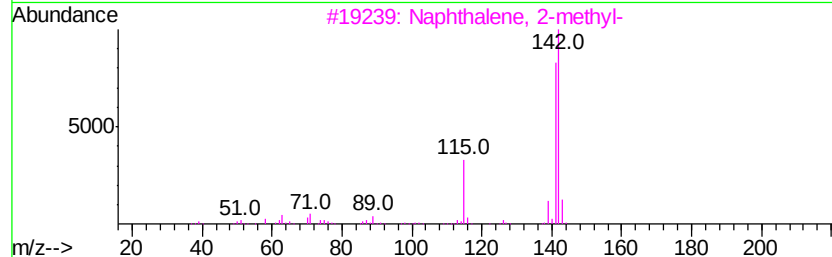
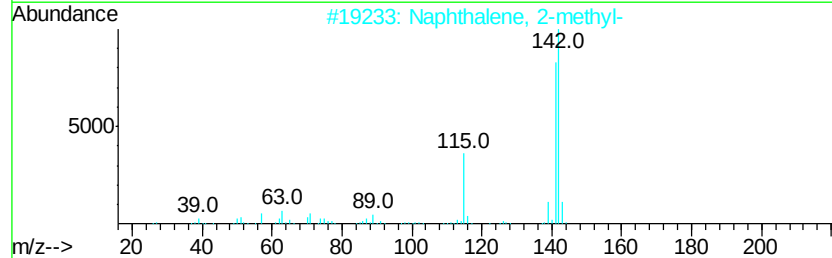
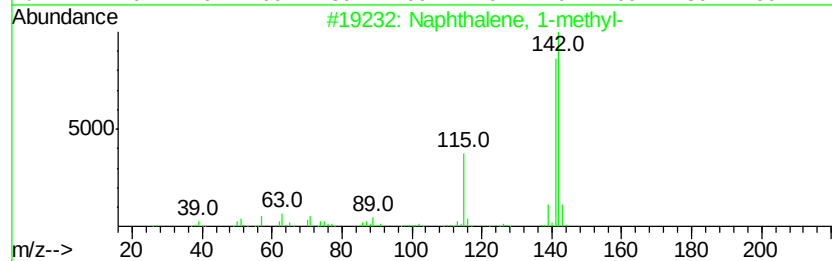
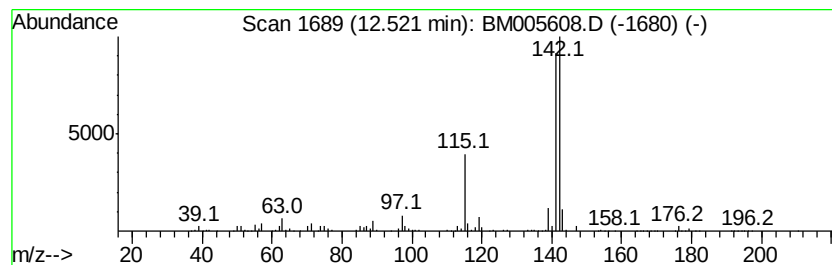
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	17.89 ng/ul	7705340	Naphthalene-d8	10.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

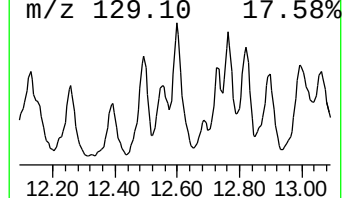
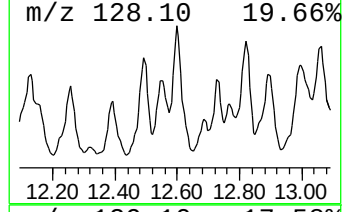
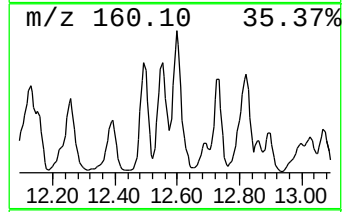
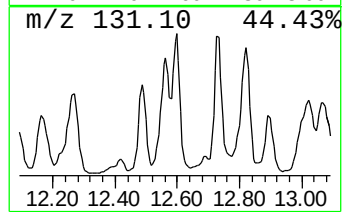
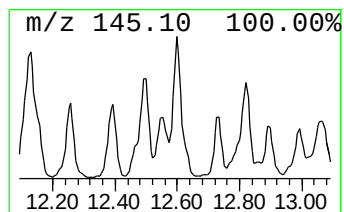
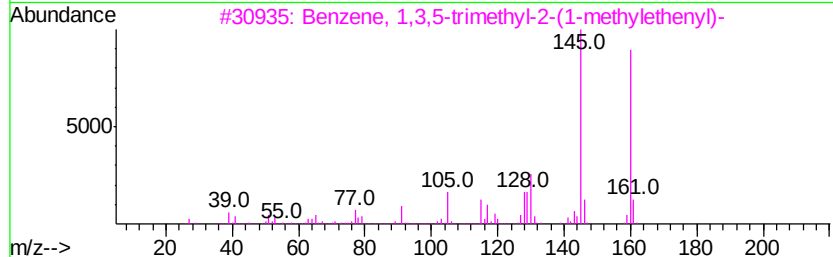
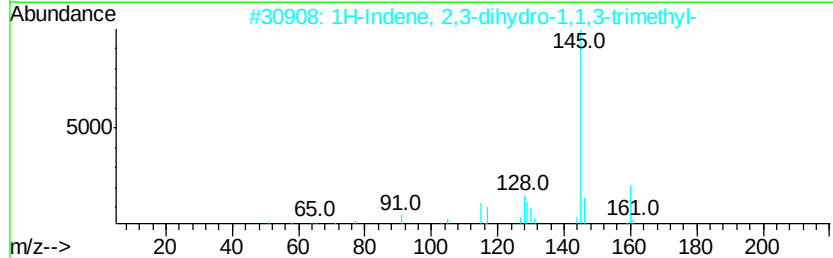
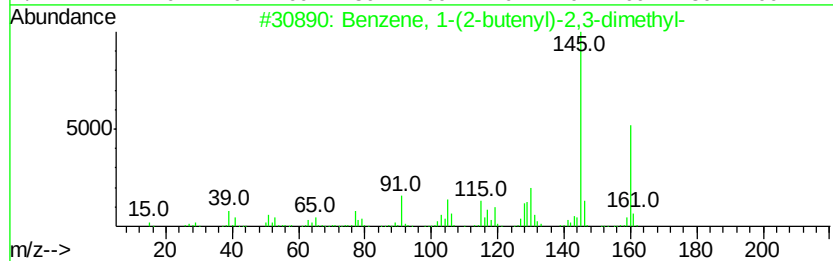
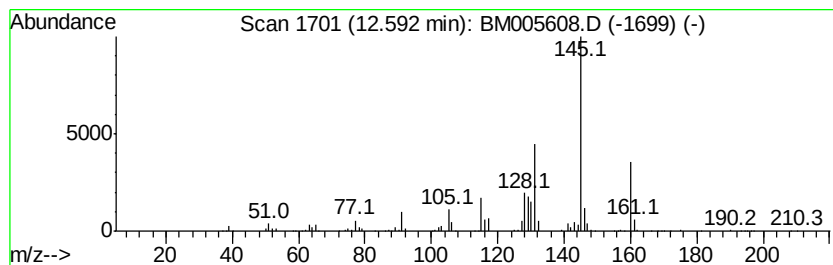
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	12.98 ng/ul	2560950	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1 92
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5 70
3		Benzene, 1,3,5-trimethyl-2-(1-me...	160 C12H16	014679-13-1 70
4		1H-Indene, 2,3-dihydro-1,5,7-tri...	160 C12H16	054340-88-4 70
5		1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160 C10H12N2	027257-18-7 68



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
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Sample : H3086-19
Misc :
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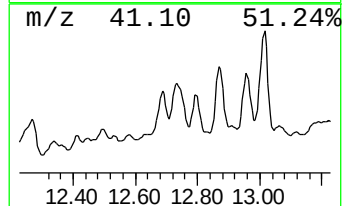
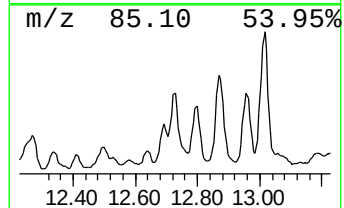
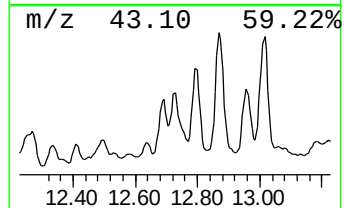
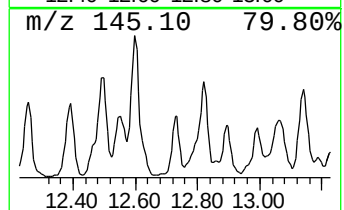
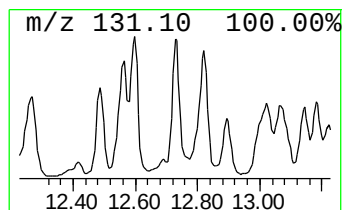
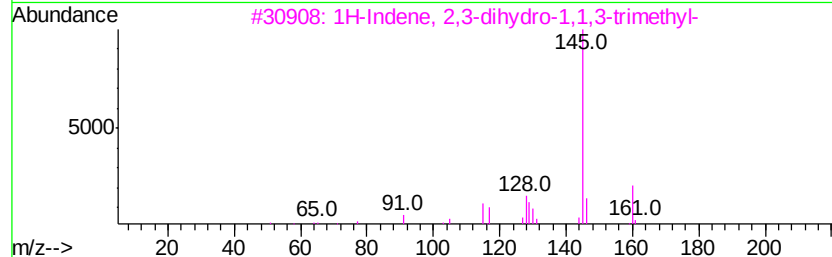
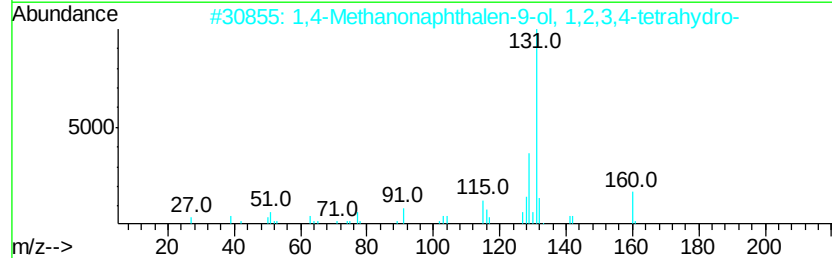
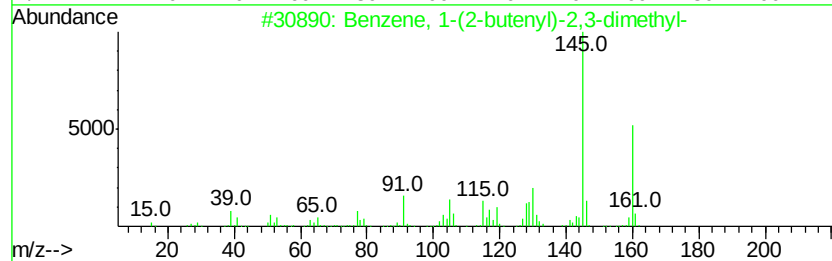
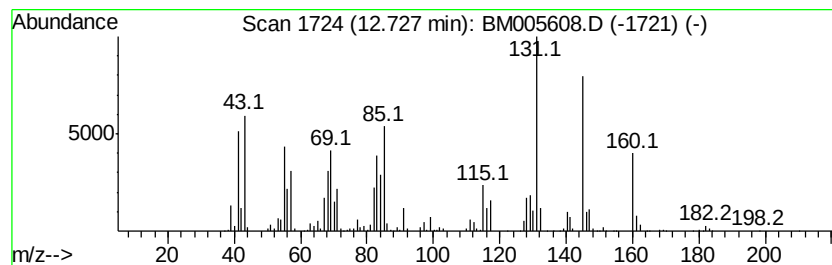
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 17 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.73	20.64 ng/ul	4072120	Acenaphthene-d10	14.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	38
2	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	35
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	35
4	Ethanone, 1-[4-(1-methylethenyl)]...	160	C11H12O	005359-04-6	35
5	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

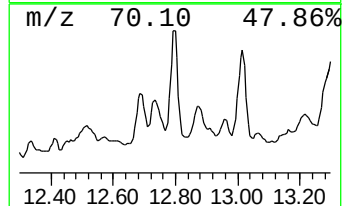
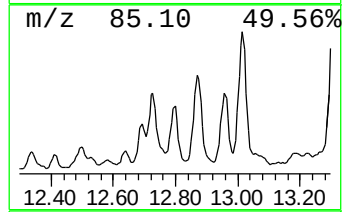
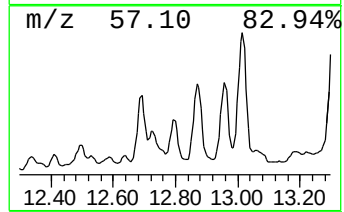
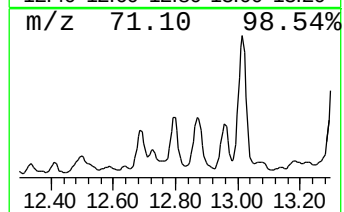
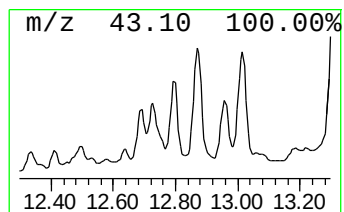
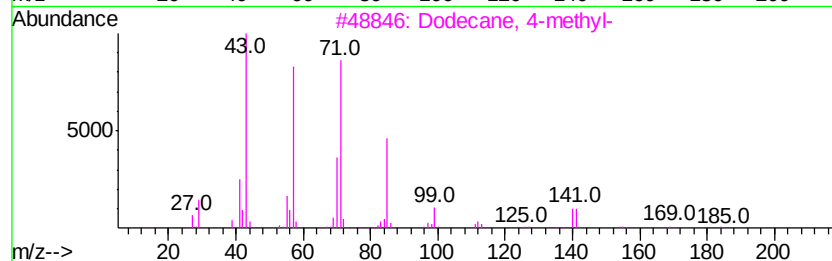
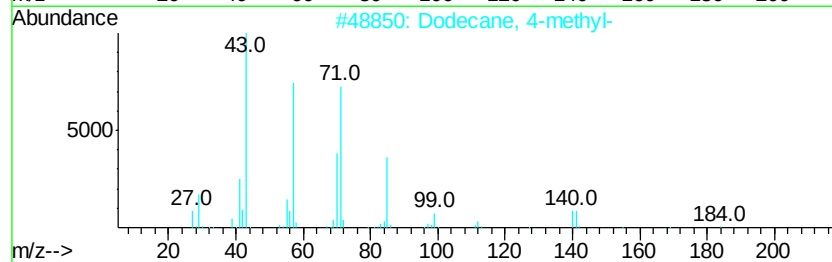
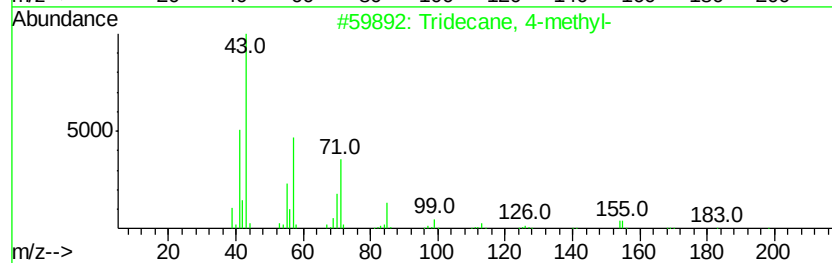
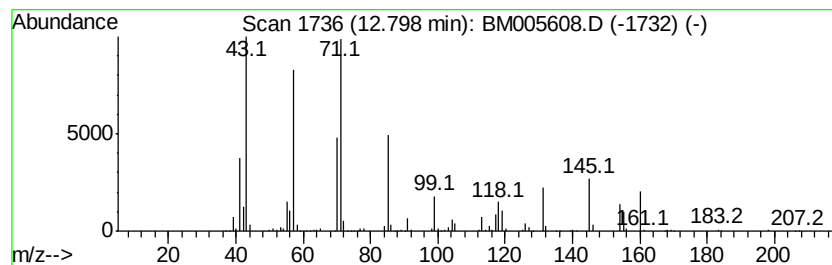
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.80	11.05 ng/ul	2179600	Acenaphthene-d10	14.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	52
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	47
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	47
4	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	43
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	41



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

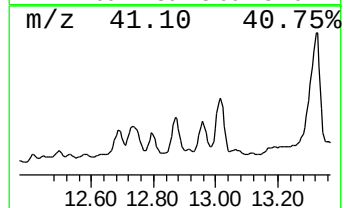
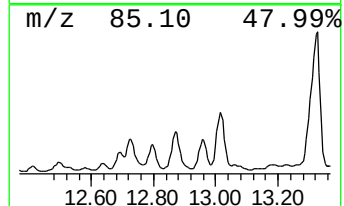
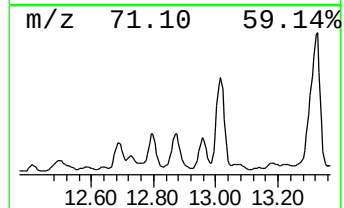
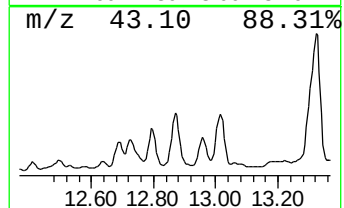
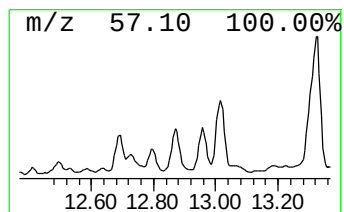
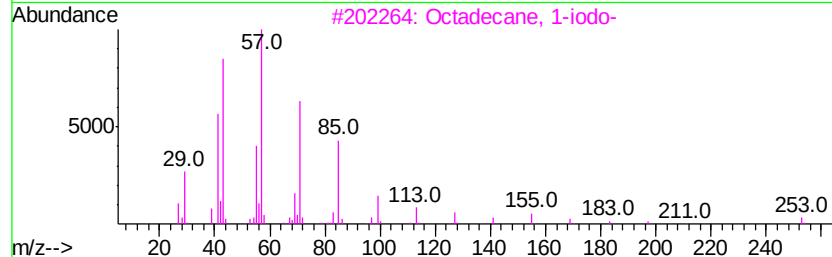
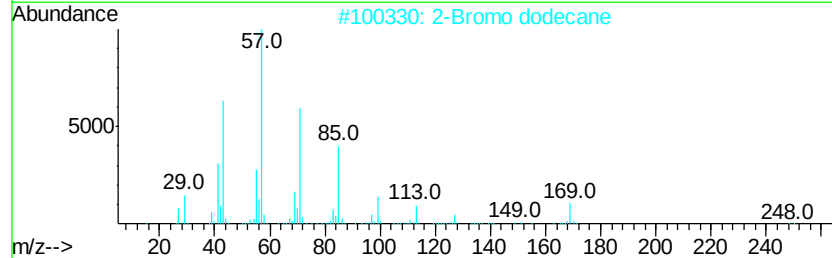
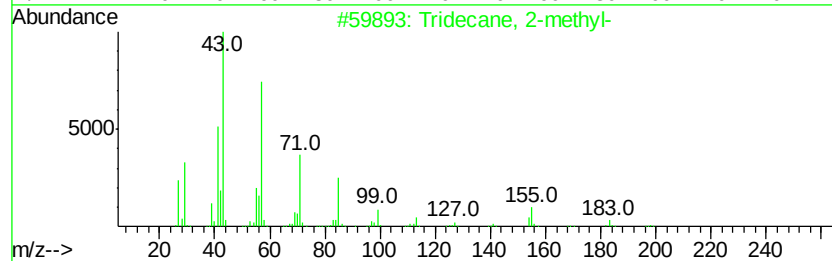
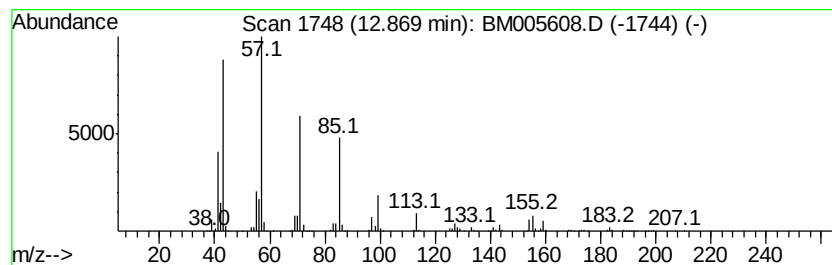
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	32.73 ng/ul	6456770	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 2-methyl-	198 C14H30	001560-96-9 90
2		2-Bromo dodecane	248 C12H25Br	013187-99-0 80
3		Octadecane, 1-iodo-	380 C18H37I	000629-93-6 80
4		Tridecane, 2-methyl-	198 C14H30	001560-96-9 76
5		Tridecane, 4-methyl-	198 C14H30	026730-12-1 58



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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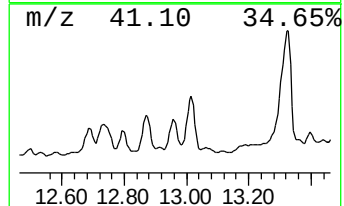
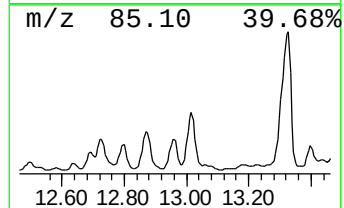
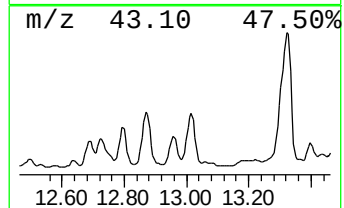
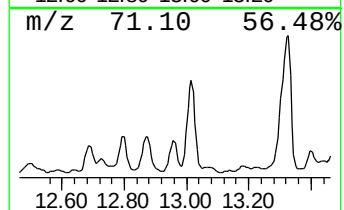
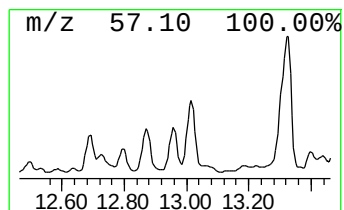
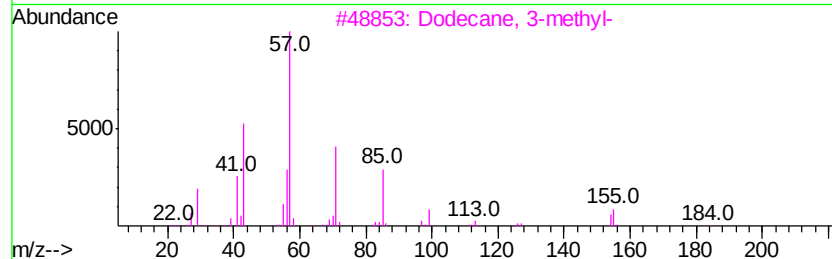
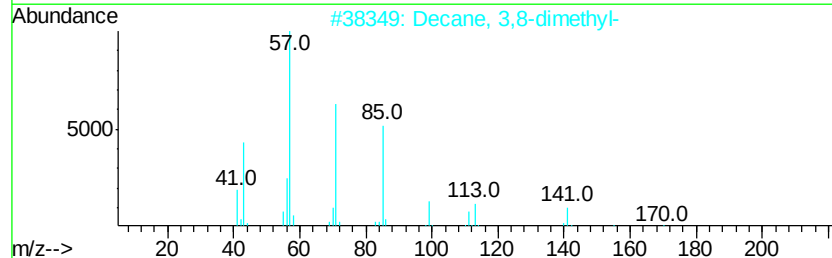
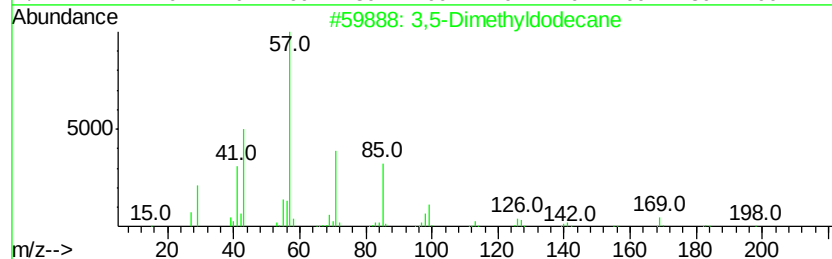
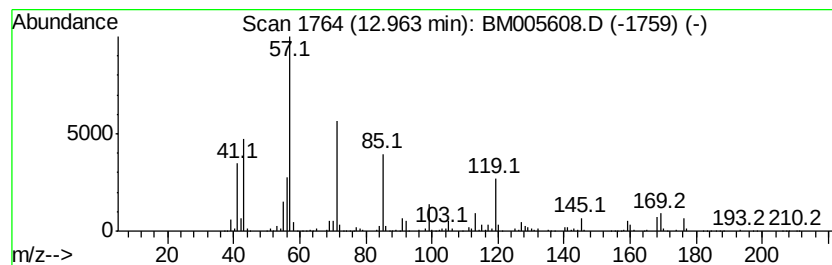
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	23.42 ng/ul	4619720	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	76
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	68
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
4		Dodecane	170	C12H26	000112-40-3	59
5		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	58



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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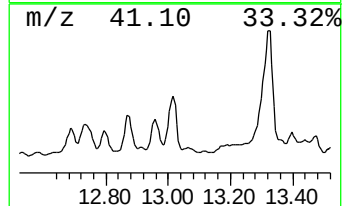
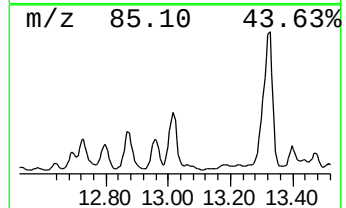
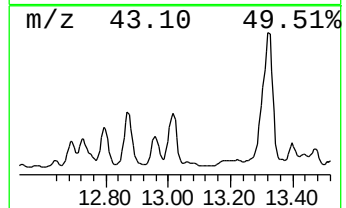
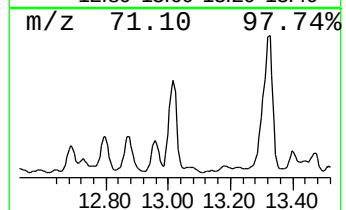
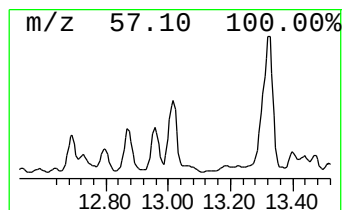
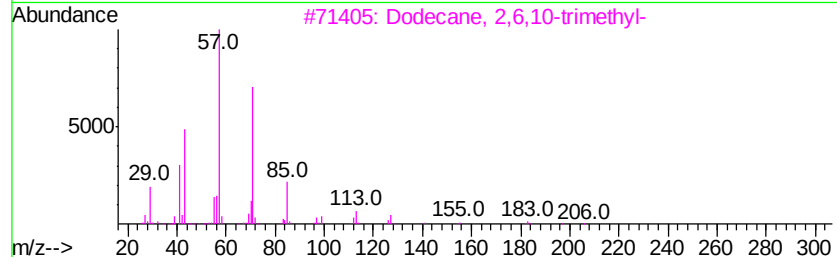
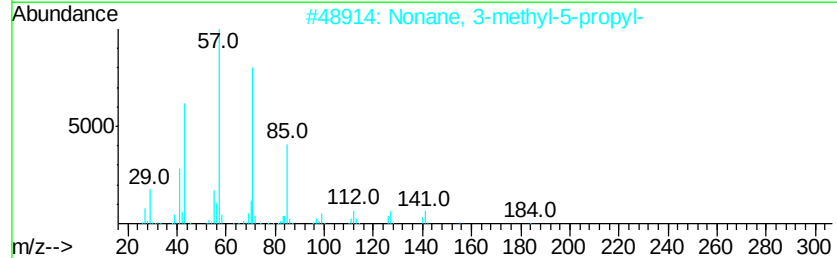
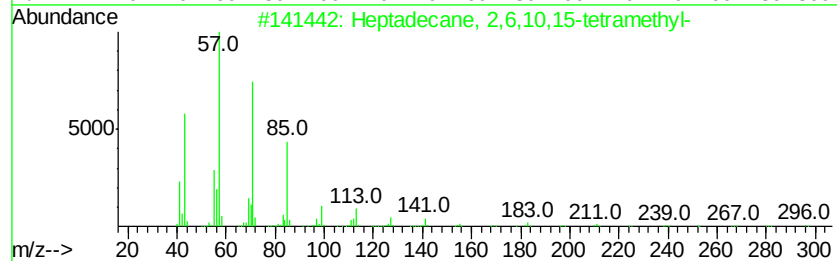
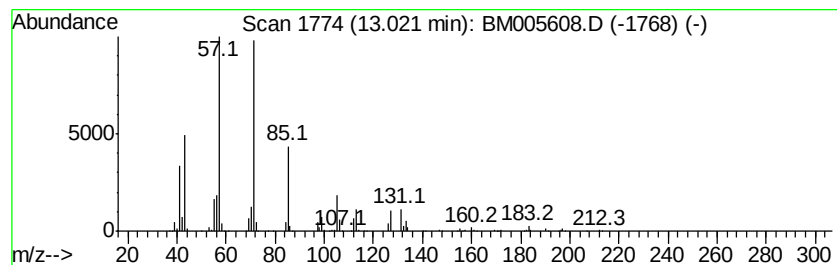
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	39.46 ng/ul	7784480	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4		Bacchotricuneatin c	342	C20H22O5	066563-30-2	76
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
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Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

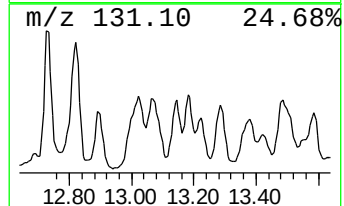
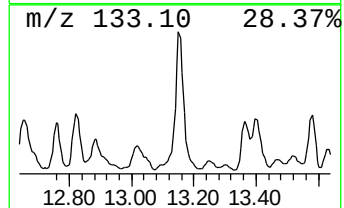
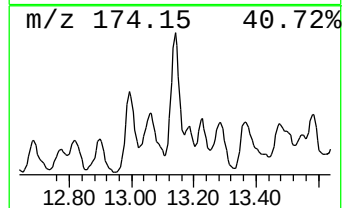
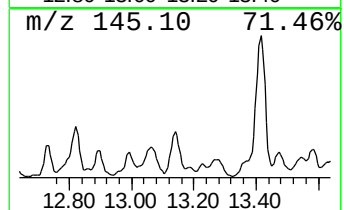
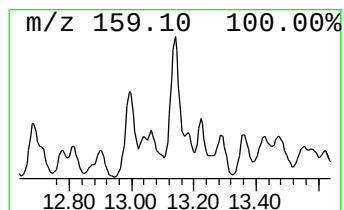
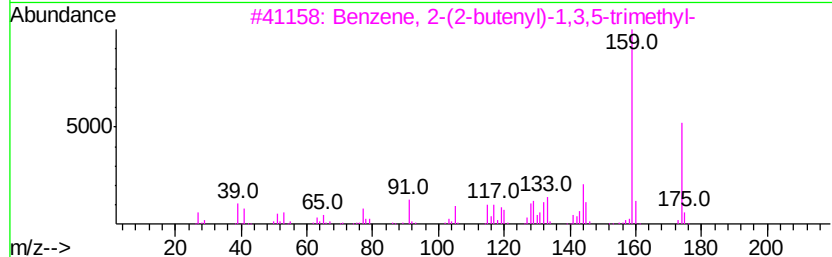
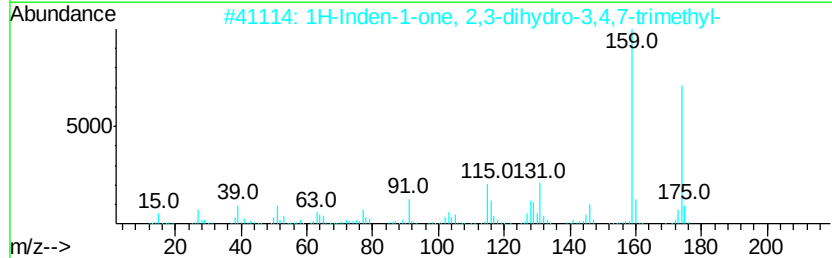
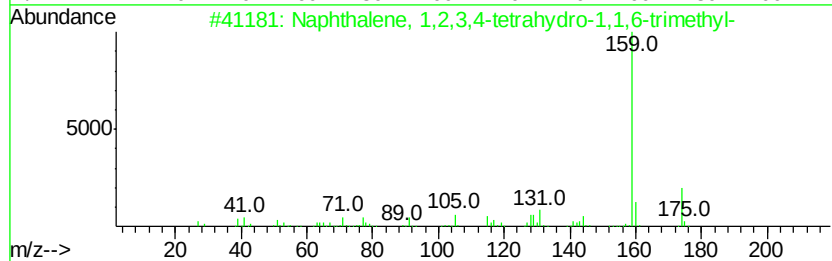
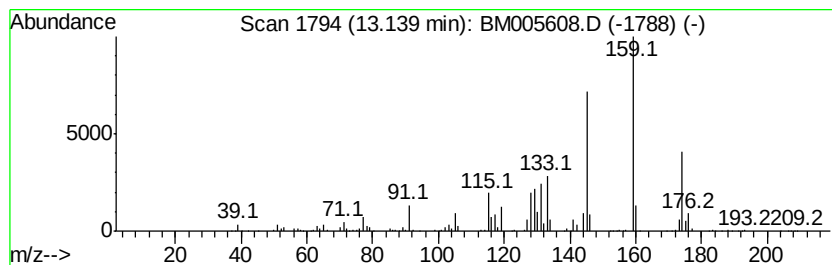
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Naphthalene, 1,2,3,4-tetra... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	24.31 ng/ul	4795560	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	000475-03-6 86
2		1H-Inden-1-one, 2,3-dihydro-3,4,...	174 C12H14O	035322-84-0 70
3		Benzene, 2-(2-butenyl)-1,3,5-tri...	174 C13H18	063435-25-6 64
4		Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	030316-36-0 64
5		Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	021693-51-6 64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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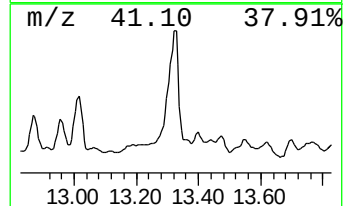
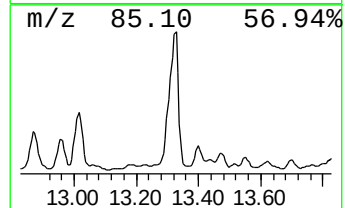
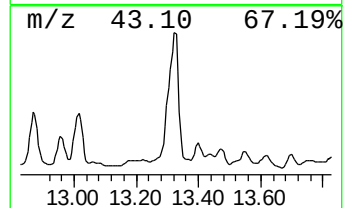
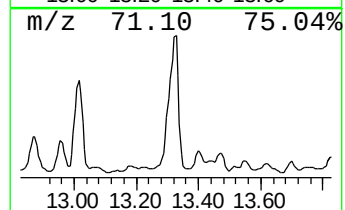
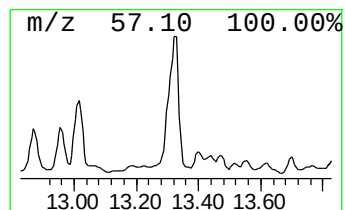
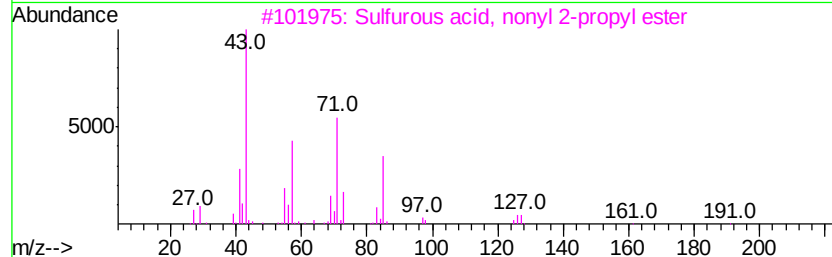
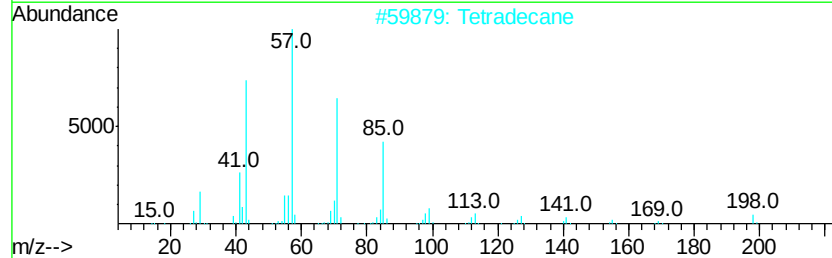
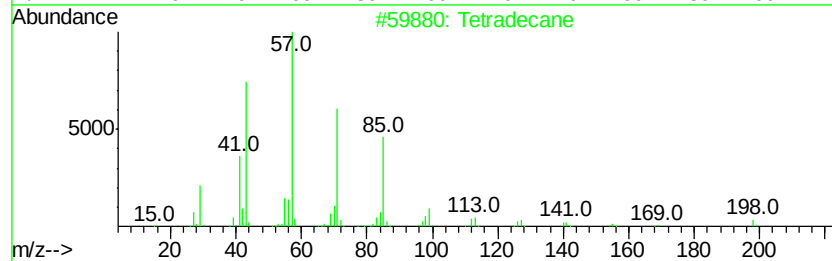
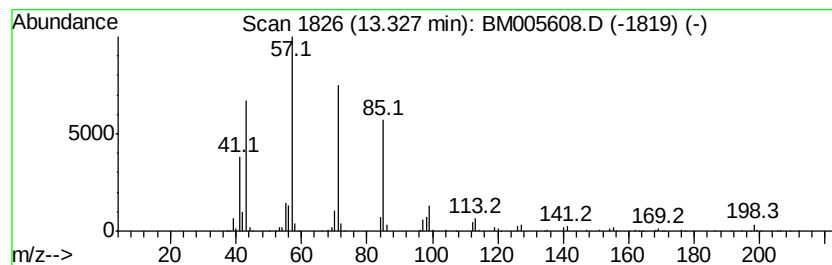
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	69.48 ng/ul	13707100	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 98
2		Tetradecane	198 C14H30	000629-59-4 94
3		Sulfurous acid, nonyl 2-propyl e...	250 C12H26O3S	1000309-12-0 72
4		Tridecane, 3-methyl-	198 C14H30	006418-41-3 72
5		Sulfurous acid, isohexyl pentyl ...	236 C11H24O3S	1000309-14-0 64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
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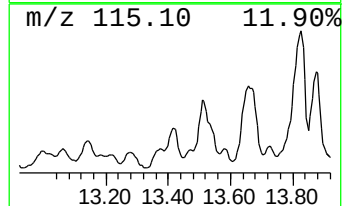
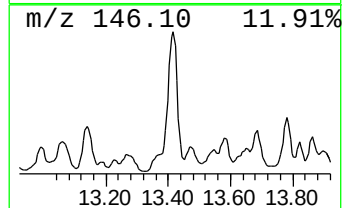
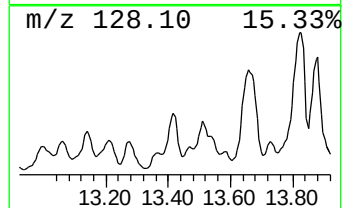
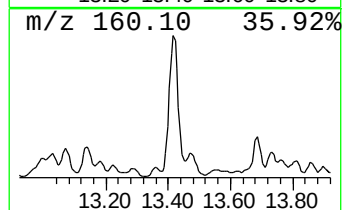
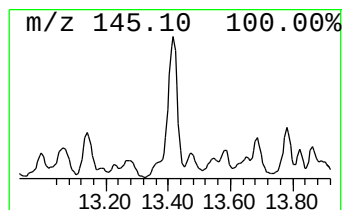
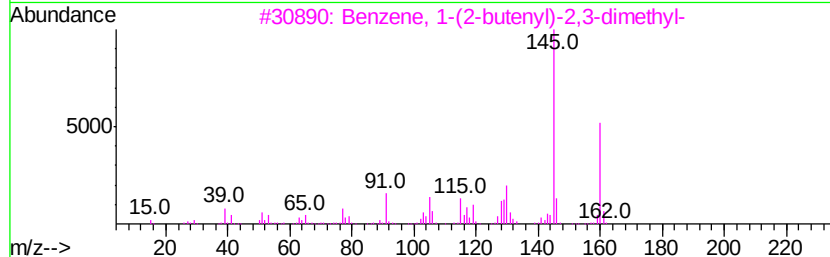
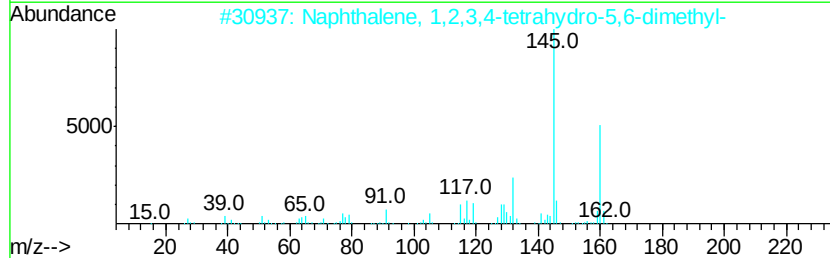
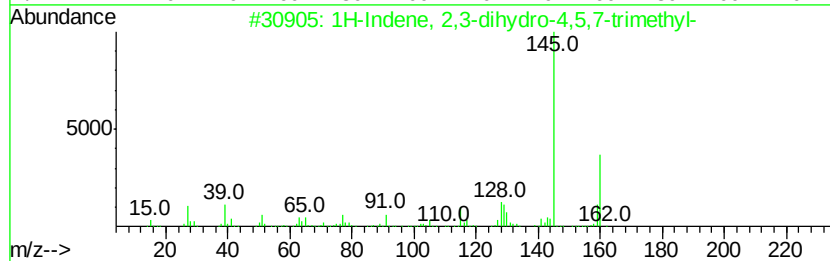
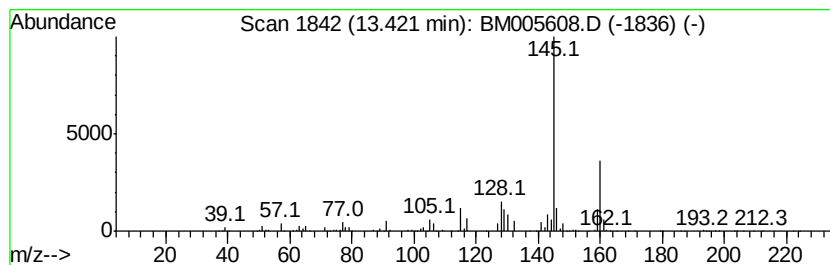
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 1H-Indene, 2,3-dihydro-4,5,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	20.67 ng/ul	4077490	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	90
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	90
4		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	90
5		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

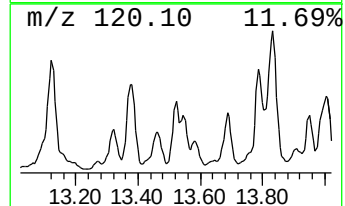
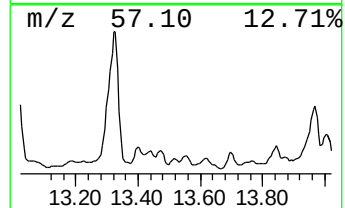
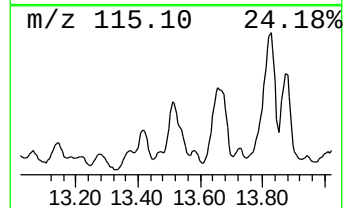
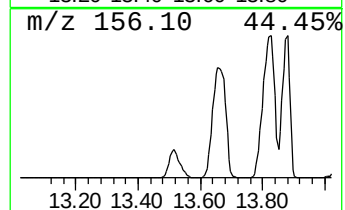
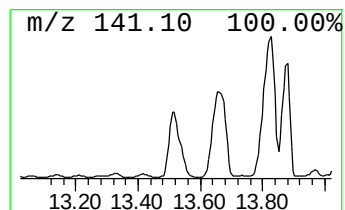
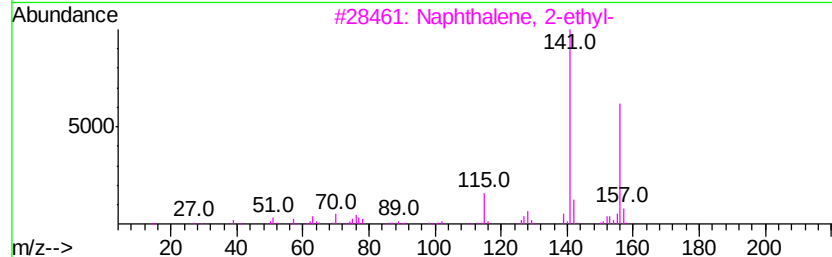
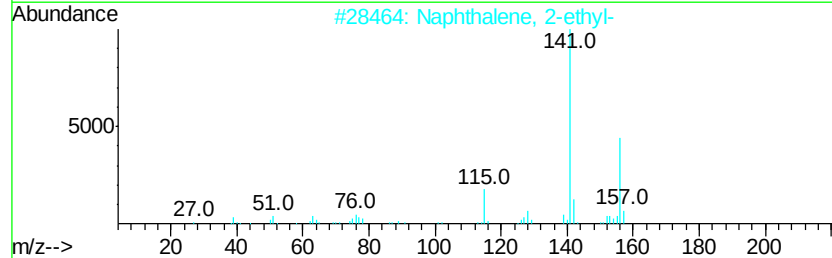
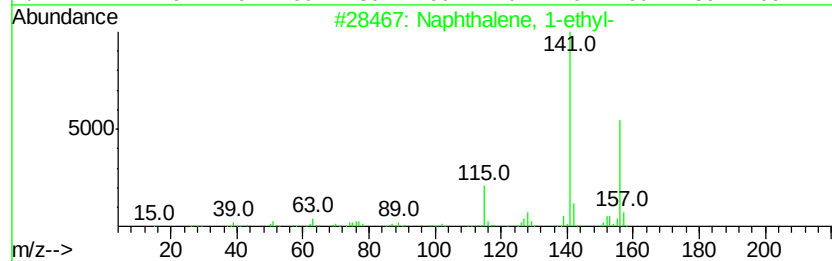
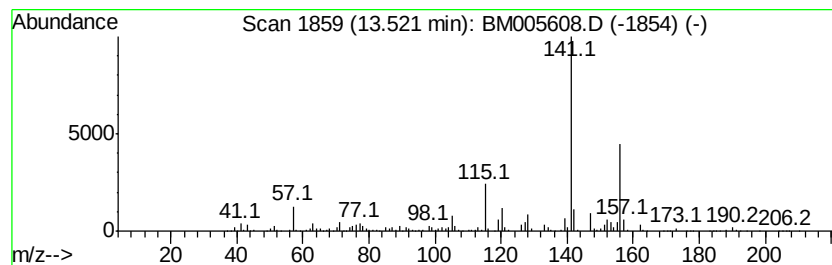
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 25 Naphthalene, 1-ethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	14.37 ng/ul	2834910	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
3		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
4		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 94
5		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

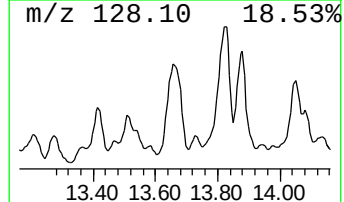
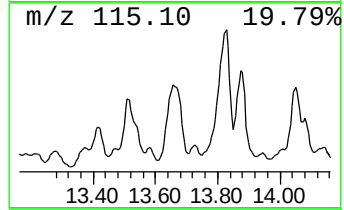
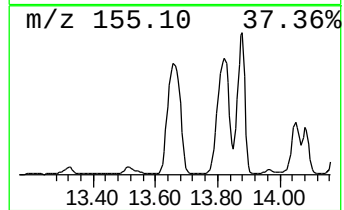
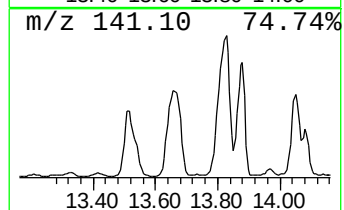
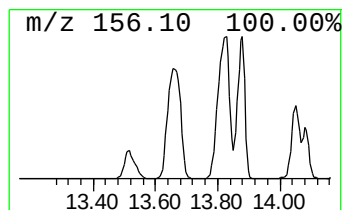
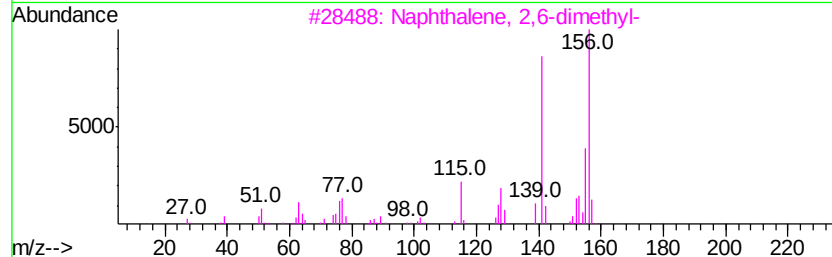
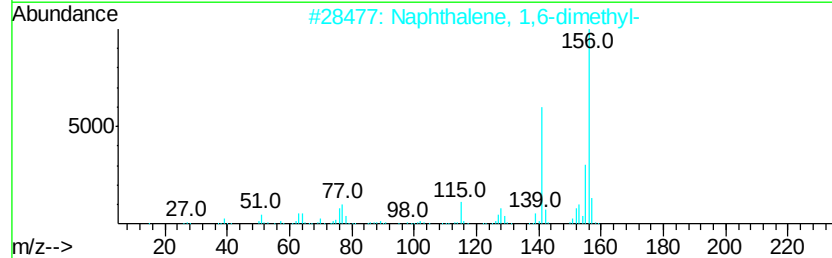
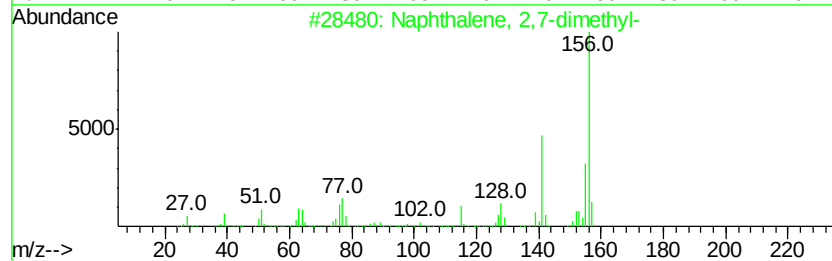
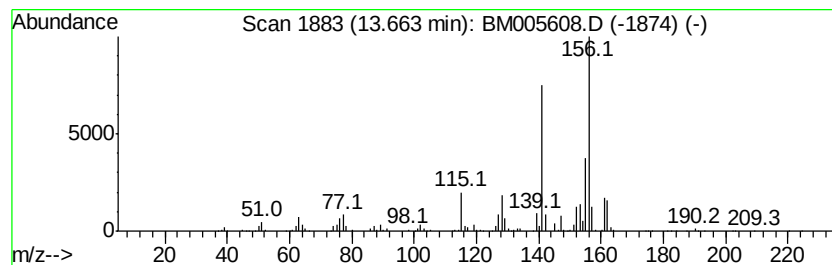
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 26 Naphthalene, 2,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	98.28 ng/ul	19387600	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 95
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 95
4		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 95
5		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 95



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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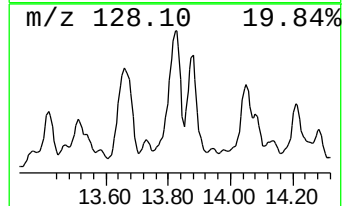
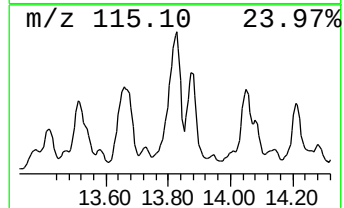
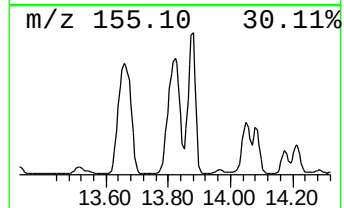
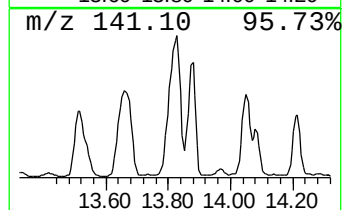
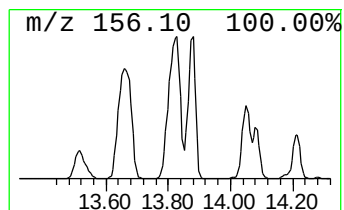
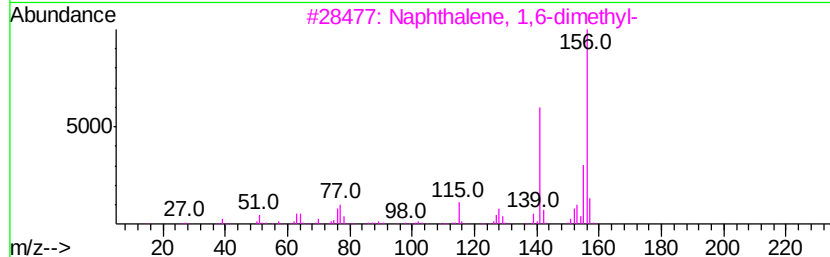
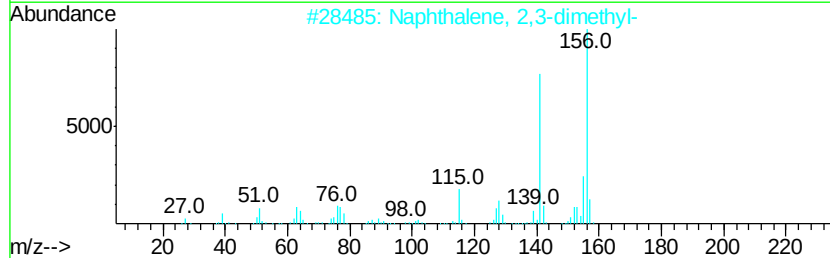
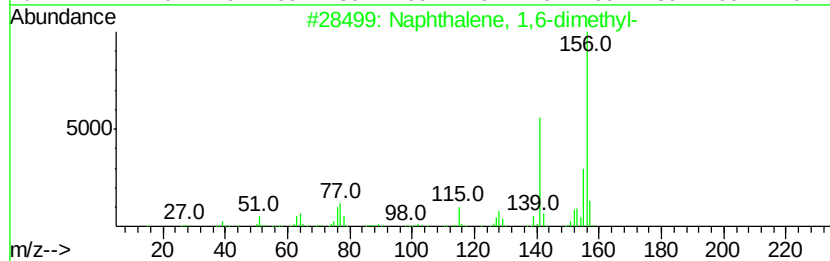
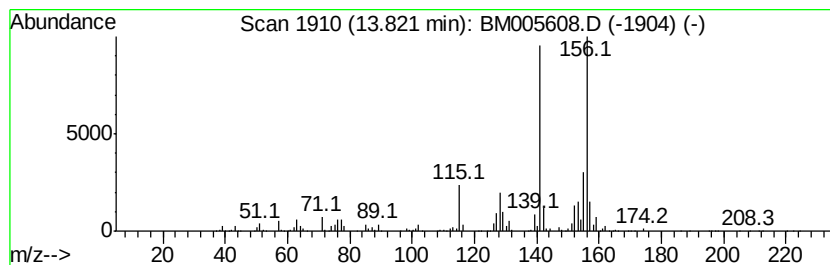
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	76.72 ng/ul	15134200	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
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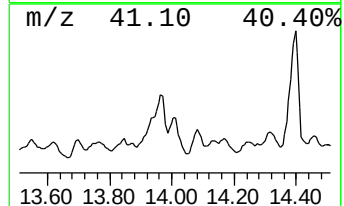
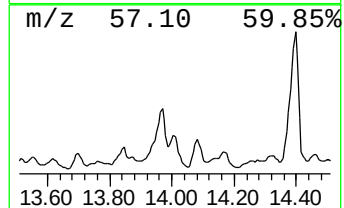
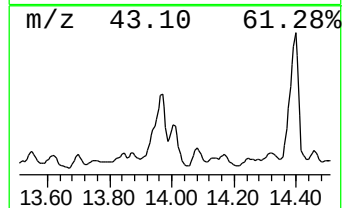
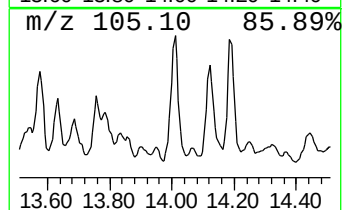
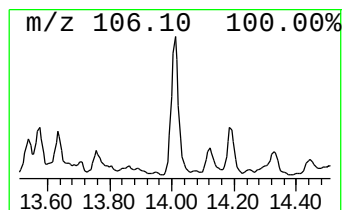
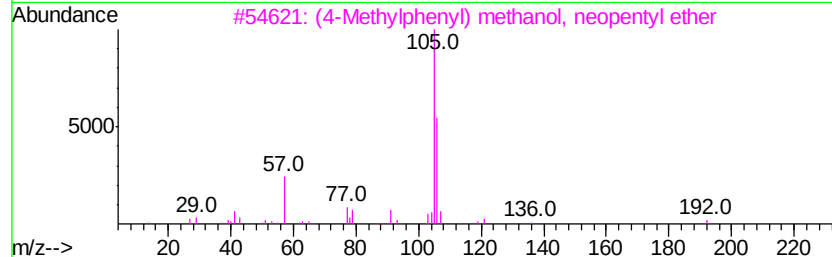
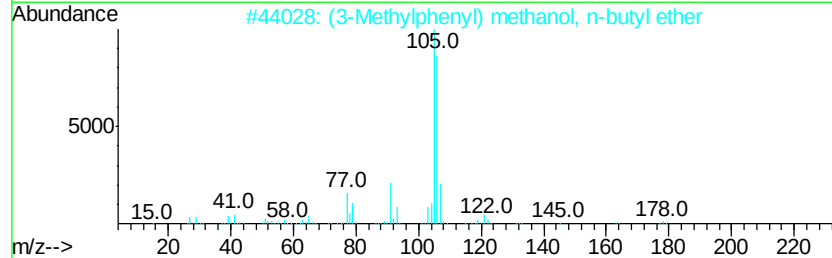
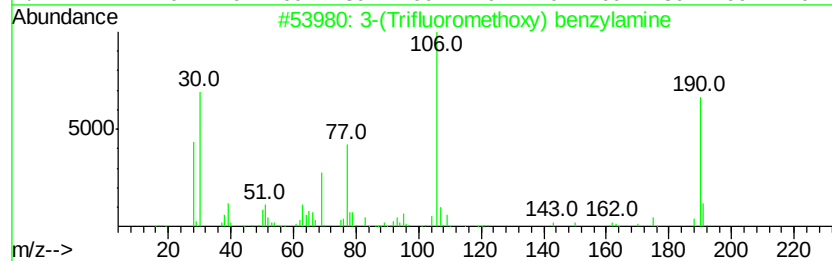
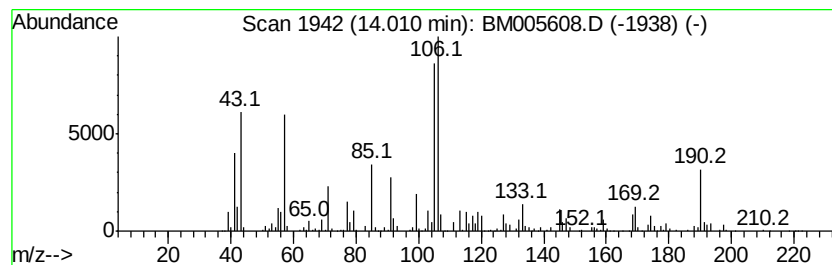
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 unknown-03 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	13.39 ng/ul	2641540	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-(Trifluoromethoxy) benzylamine	191	C8H8F3NO	1000342-45-5	35
2		(3-Methylphenyl) methanol, n-but...	178	C12H18O	1000374-44-2	35
3		(4-Methylphenyl) methanol, neope...	192	C13H20O	1000374-65-9	30
4		Benzenamine, N-propyl-	135	C9H13N	000622-80-0	27
5		N-Methyl-2-(N-phenylacetamido)ac...	206	C11H14N2O2	1000242-31-9	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
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Sample : H3086-19
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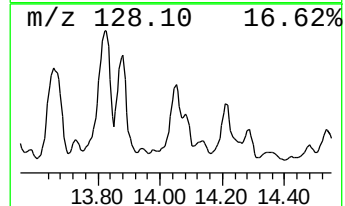
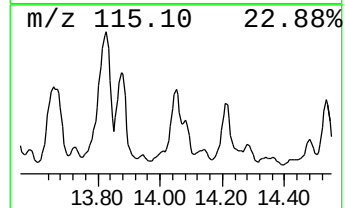
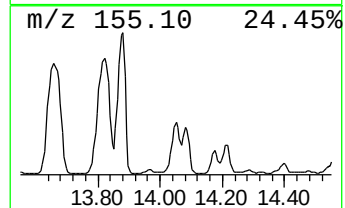
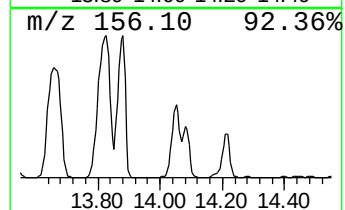
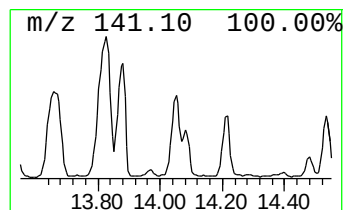
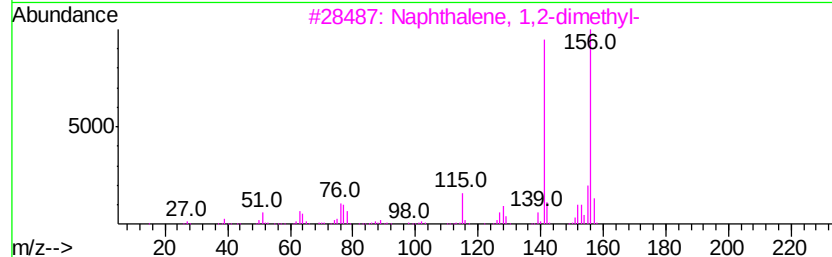
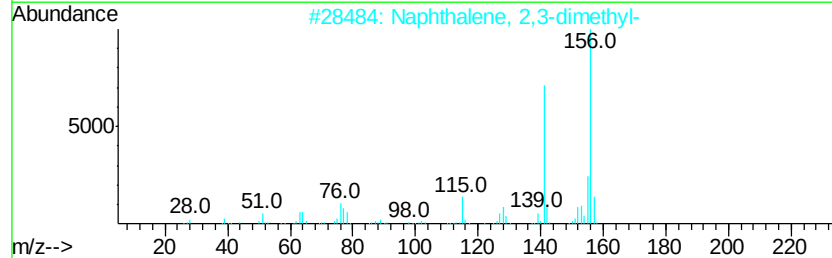
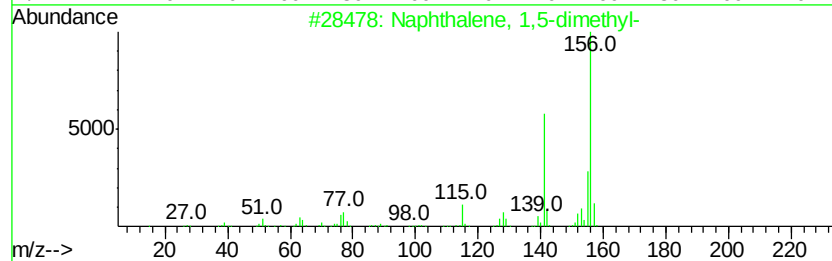
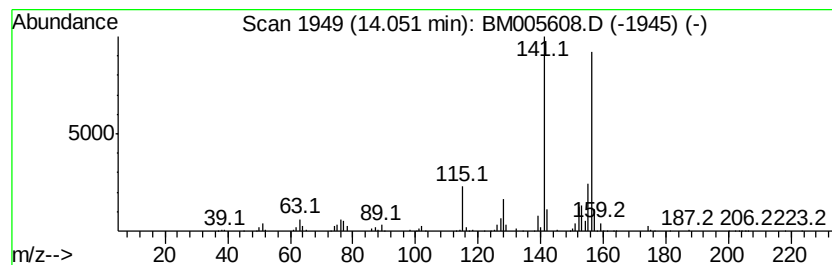
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Naphthalene, 1,5-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	18.14 ng/ul	3578680	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 94
2		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 94
3		Naphthalene, 1,2-dimethyl-	156 C12H12	000573-98-8 94
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 94
5		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
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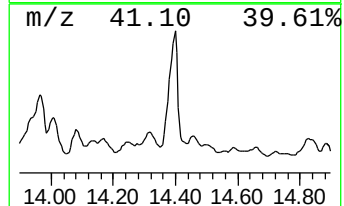
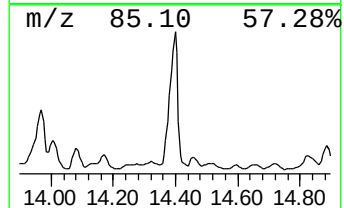
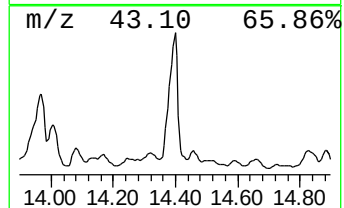
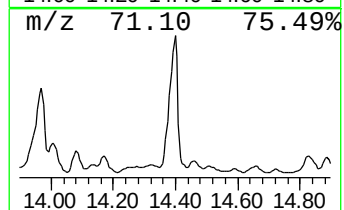
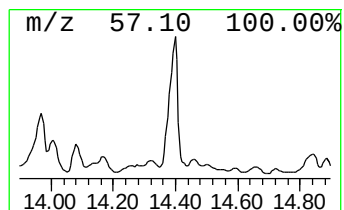
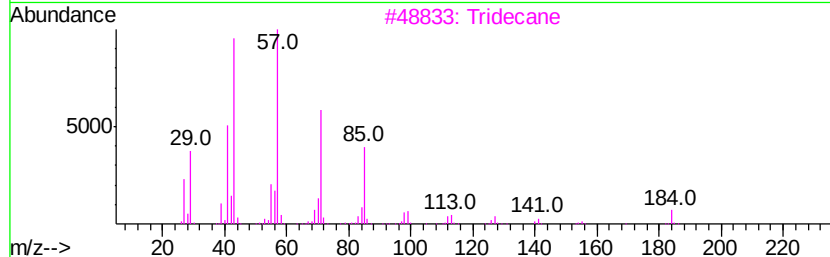
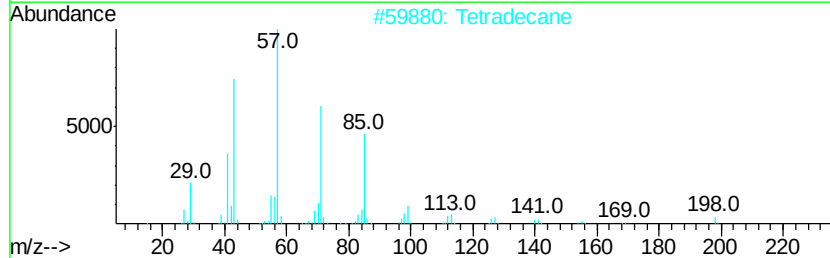
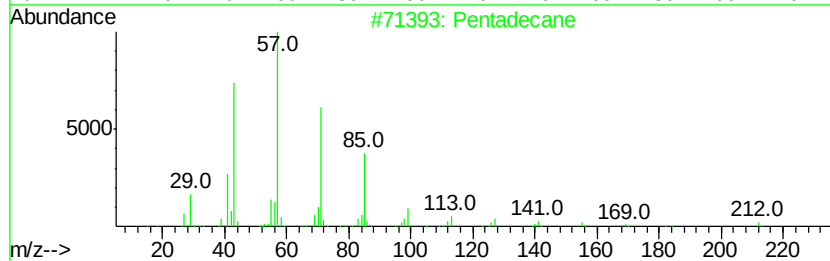
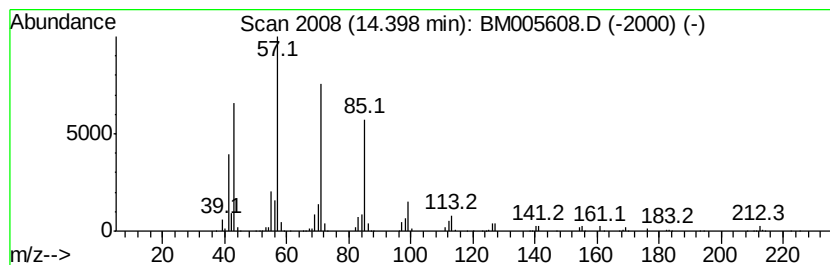
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	78.91 ng/ul	15567500	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	96
2		Tetradecane	198	C14H30	000629-59-4	91
3		Tridecane	184	C13H28	000629-50-5	90
4		Hexadecane	226	C16H34	000544-76-3	90
5		Pentadecane	212	C15H32	000629-62-9	86



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
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Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

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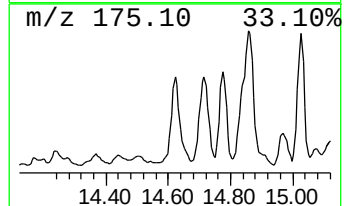
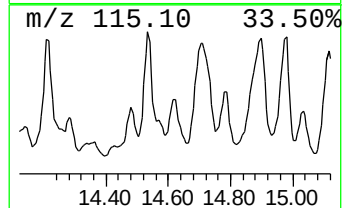
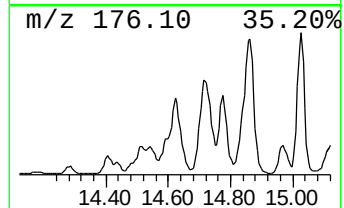
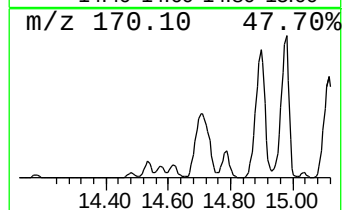
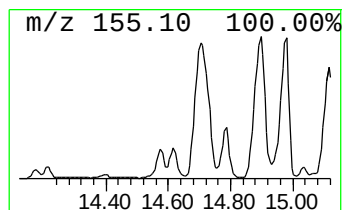
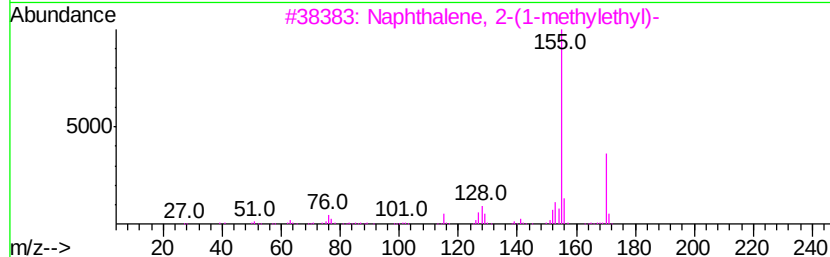
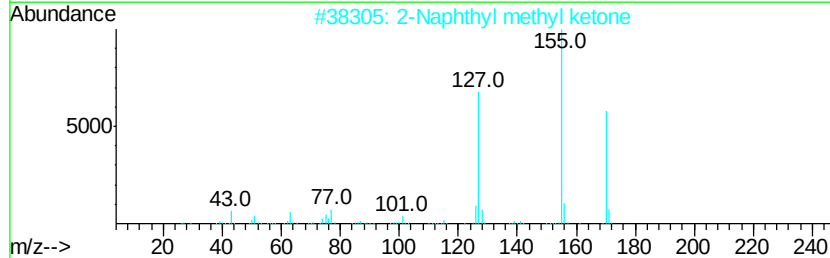
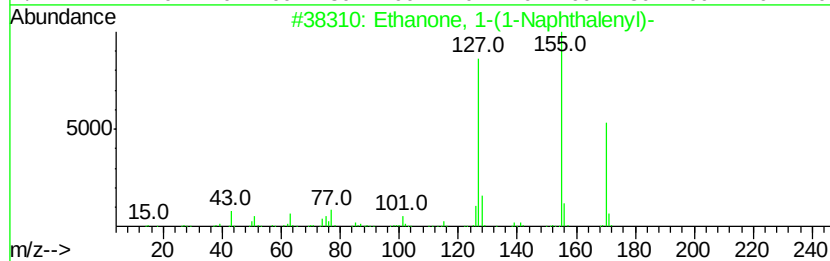
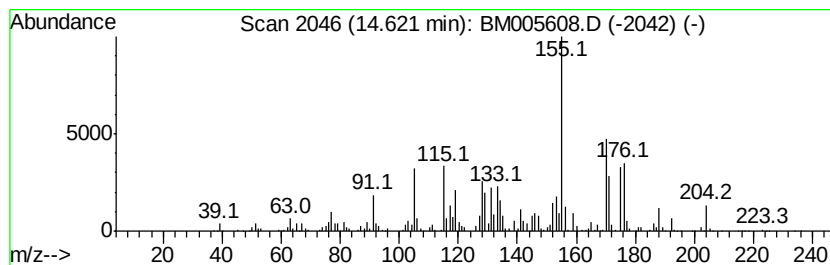
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 Ethanone, 1-(1-Naphthalenyl)- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	14.18 ng/ul	2796970	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	50
2		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	49
3		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	49
4		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	47
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

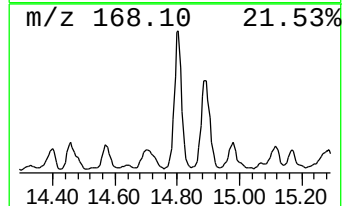
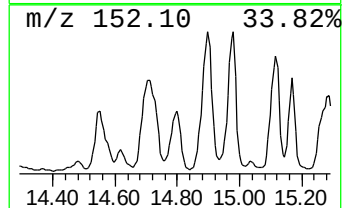
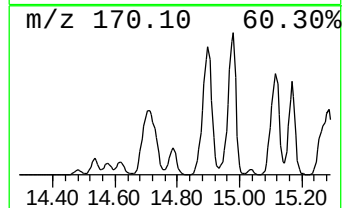
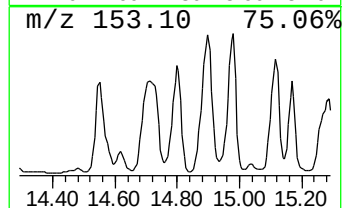
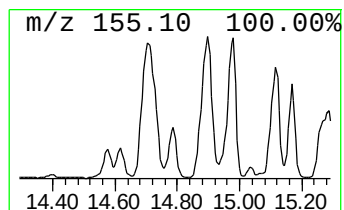
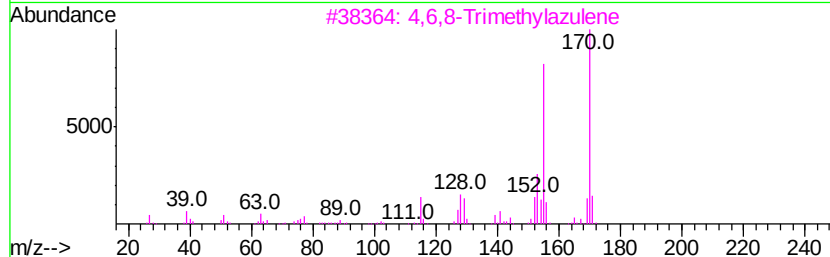
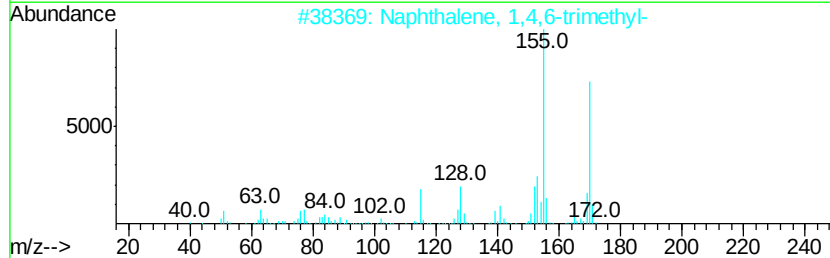
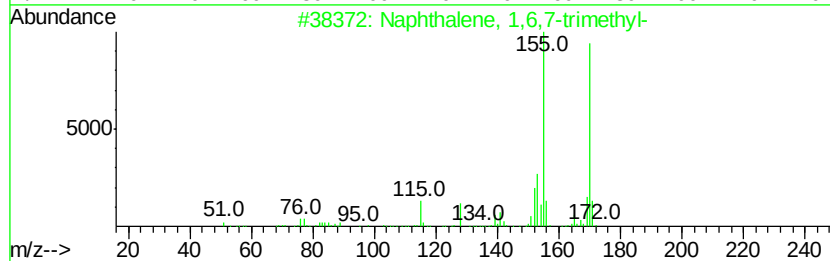
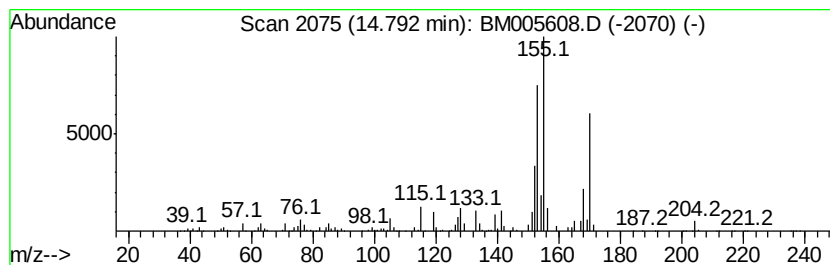
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 Naphthalene, 1,6,7-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	15.77 ng/ul	3110910	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 93
2		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 91
3		4,6,8-Trimethylazulene	170 C13H14	000941-81-1 87
4		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 87
5		4,6,8-Trimethylazulene	170 C13H14	000941-81-1 87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
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Instrument :
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ClientSampleId :
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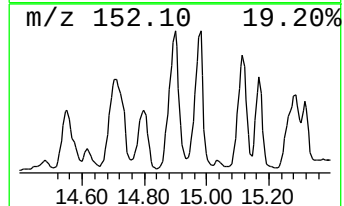
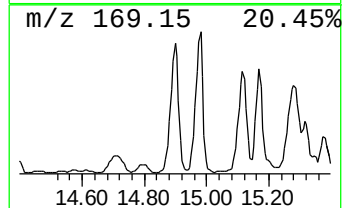
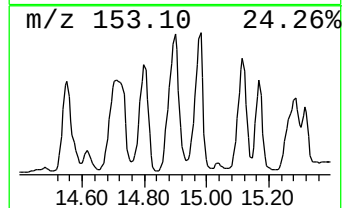
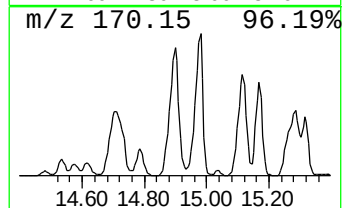
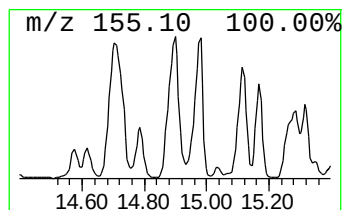
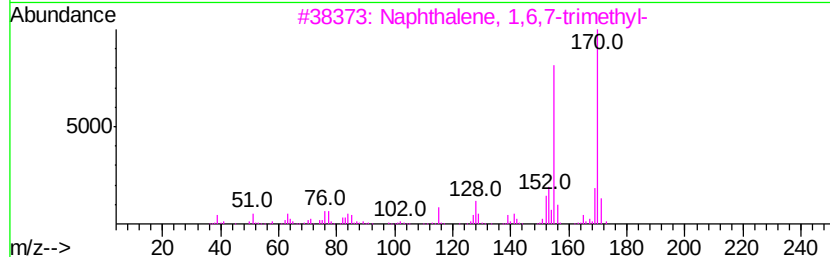
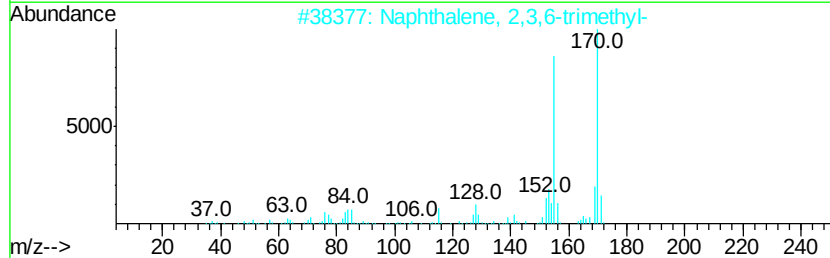
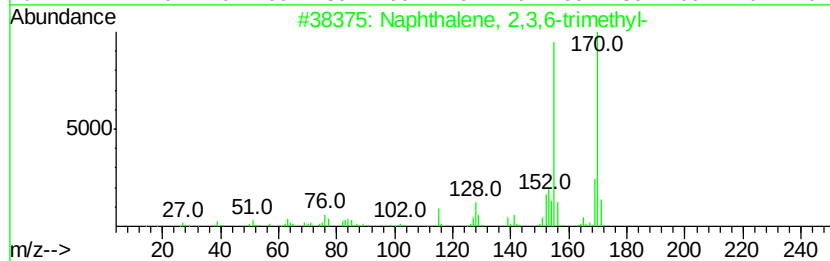
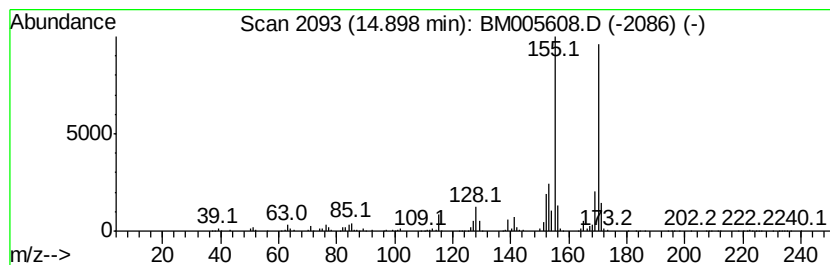
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	73.96 ng/ul	14589800	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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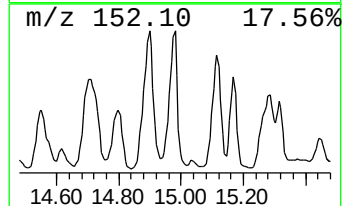
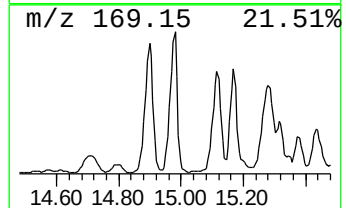
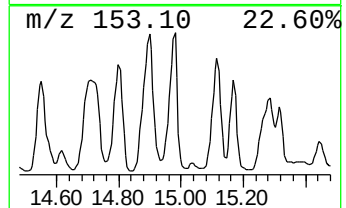
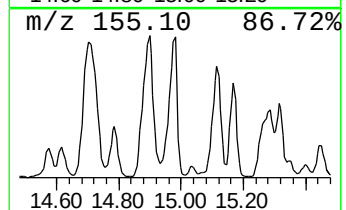
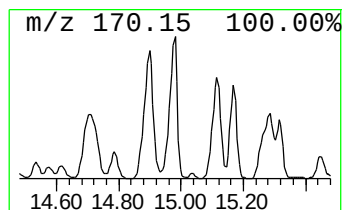
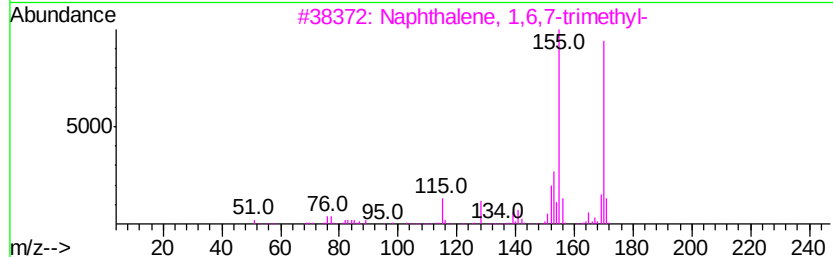
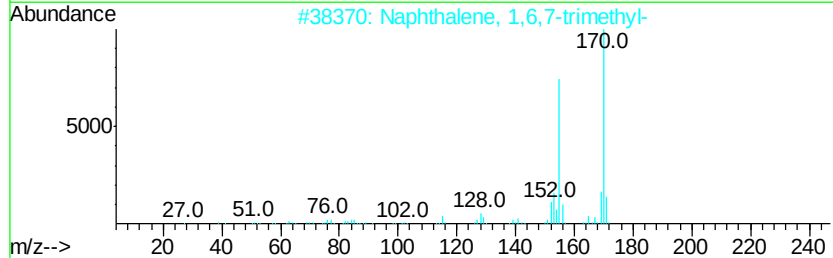
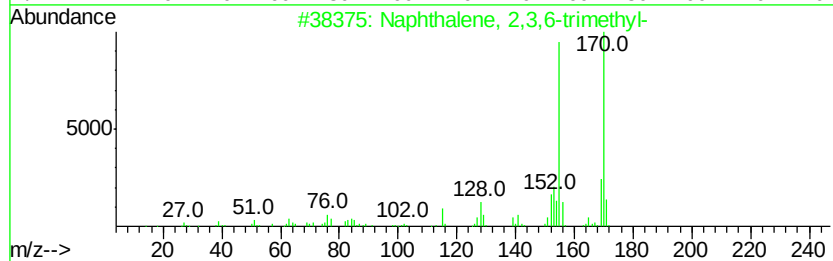
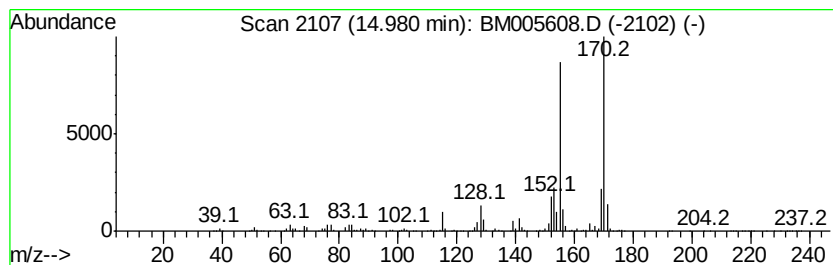
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Quant Title : SVOA CALIBRATION

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

Peak Number 34 Naphthalene, 1,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	51.44 ng/ul	10148200	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
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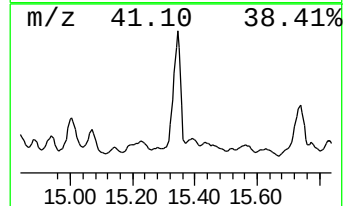
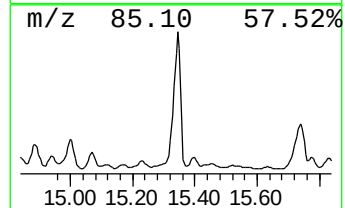
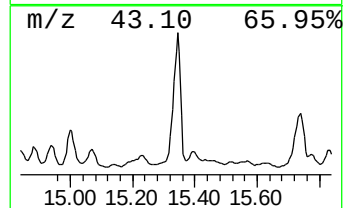
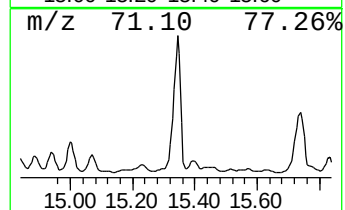
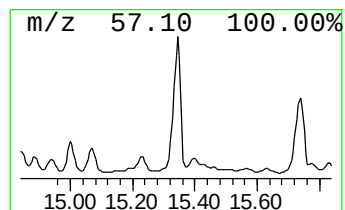
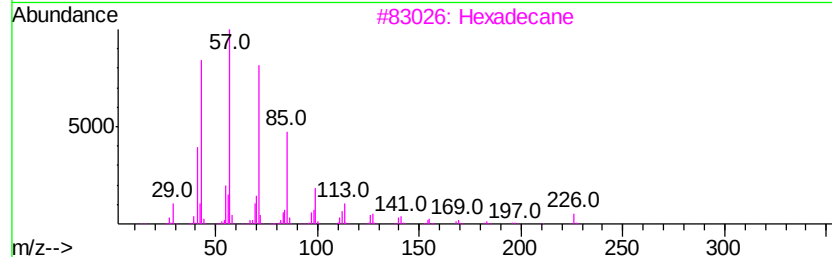
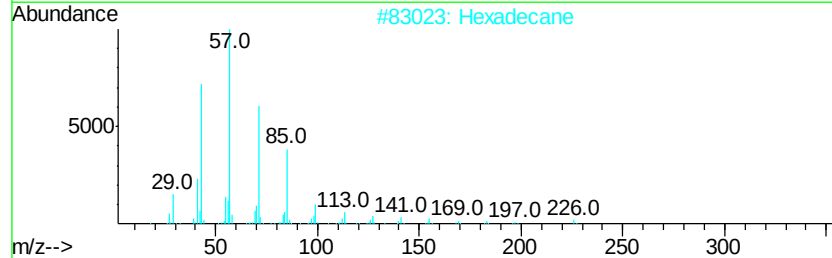
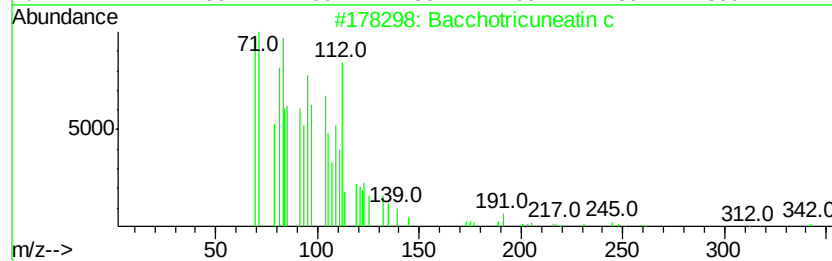
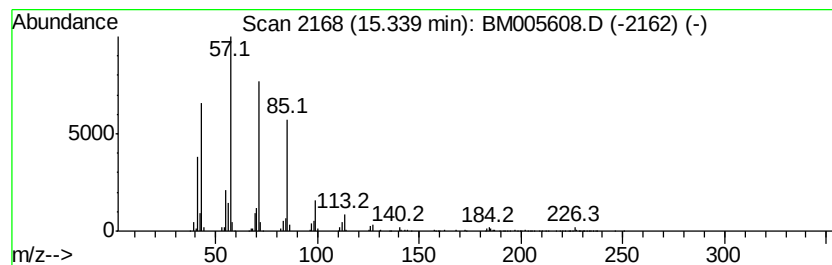
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 Bacchotricuneatin c Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	77.69 ng/ul	15327000	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2		Hexadecane	226	C16H34	000544-76-3	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Hexadecane	226	C16H34	000544-76-3	90
5		Hexadecane	226	C16H34	000544-76-3	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Acq On : 23 May 2016 04:08
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Sample : H3086-19
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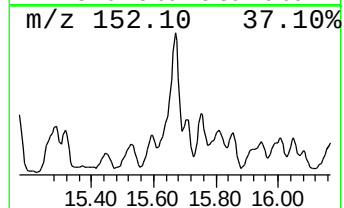
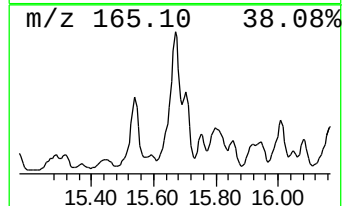
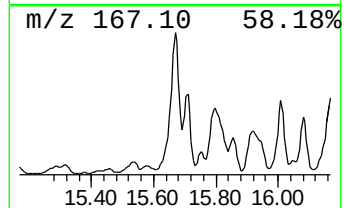
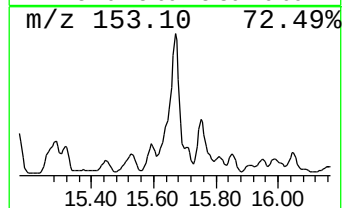
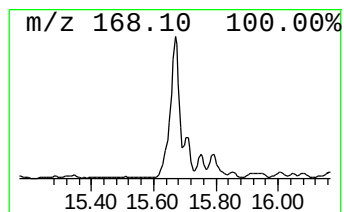
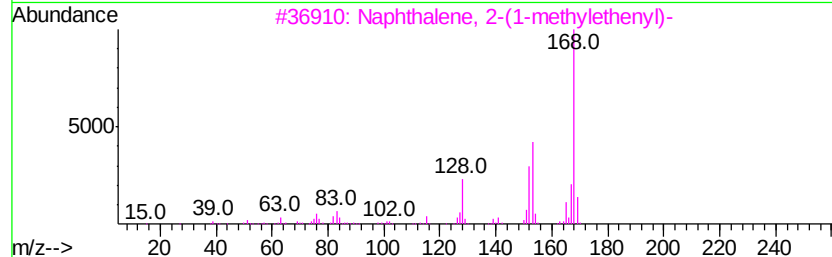
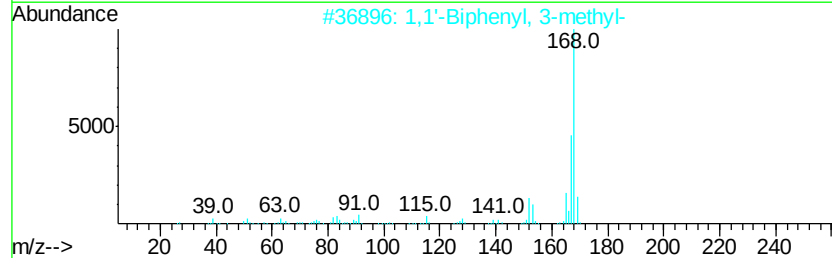
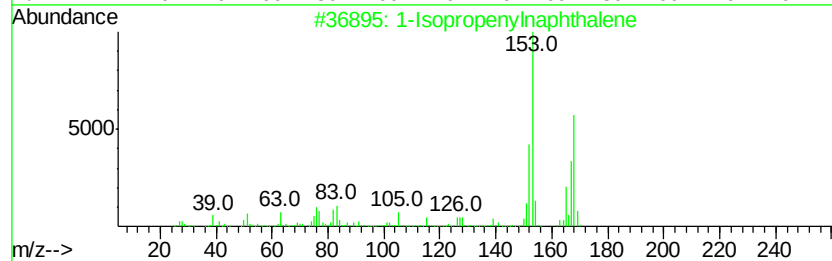
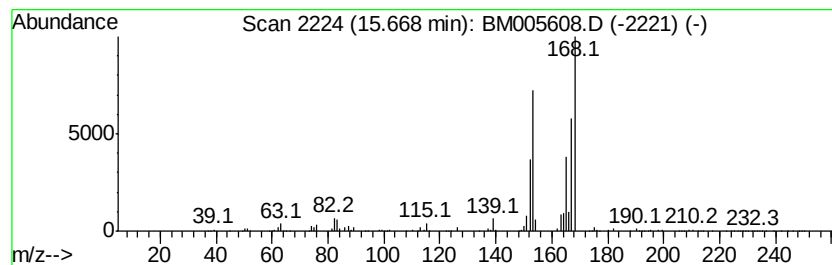
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 1-Isopropenylnaphthalene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	18.57 ng/ul	3662680	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
2		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	53
3		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
4		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
5		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
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Sample : H3086-19
Misc :
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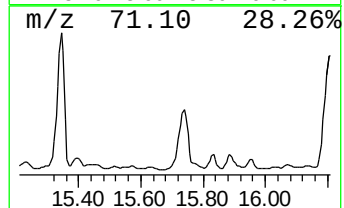
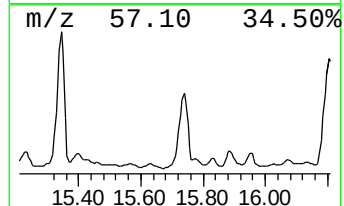
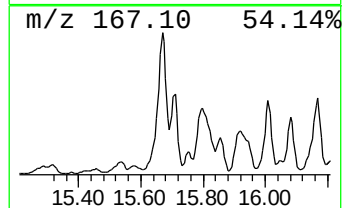
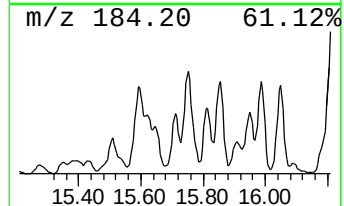
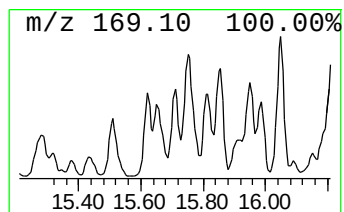
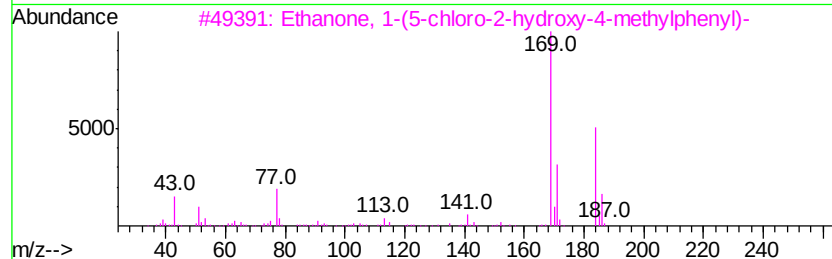
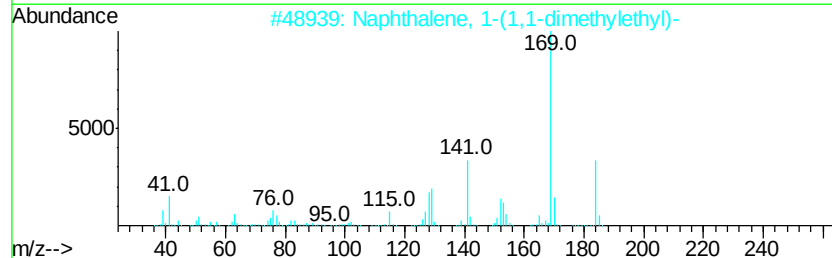
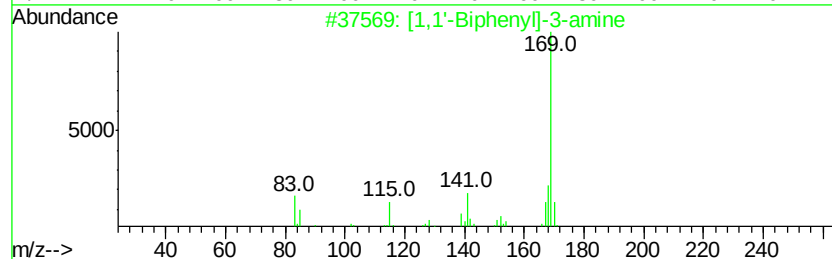
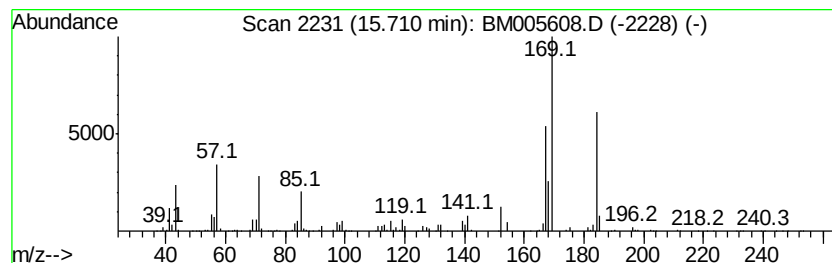
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 unknown-04 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	13.77 ng/ul	2715670	Acenaphthene-d10	14.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	43
2		Naphthalene, 1-(1,1-dimethylethyl)-	184	C14H16	017085-91-5	43
3		Ethanone, 1-(5-chloro-2-hydroxy-4-methylphenyl)-	184	C9H9ClO2	028480-70-8	38
4		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	35
5		[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
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Sample : H3086-19
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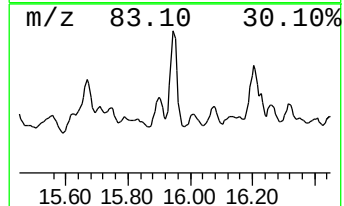
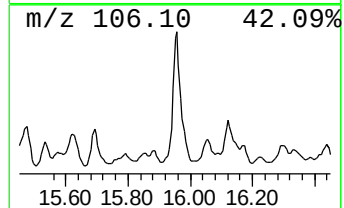
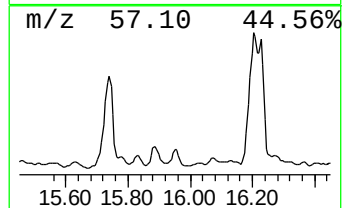
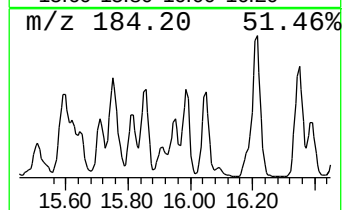
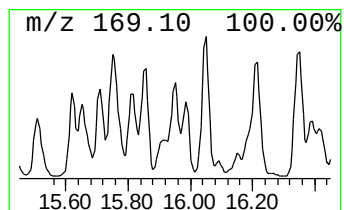
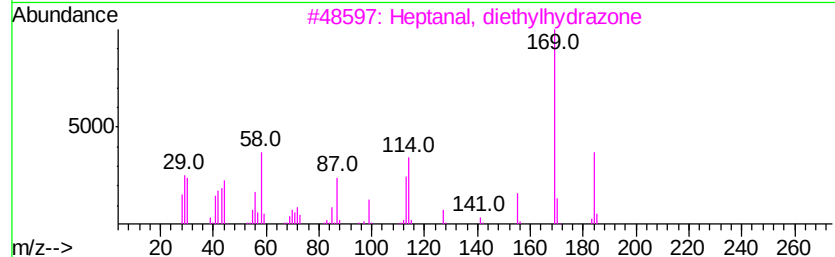
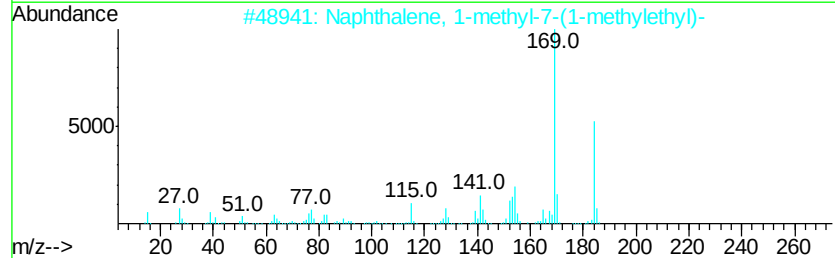
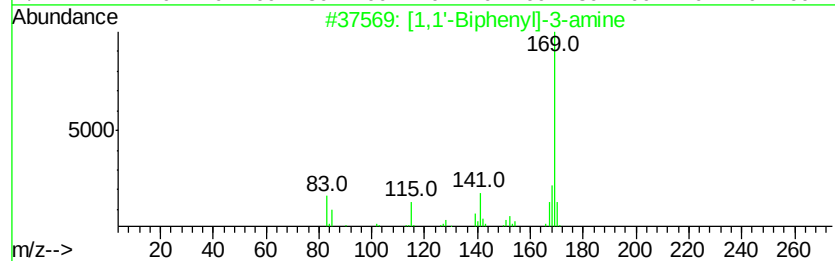
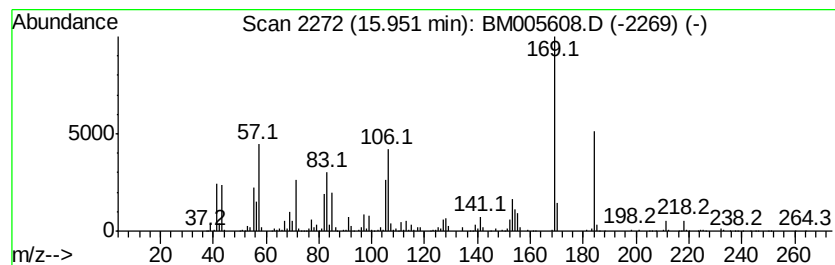
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 41 unknown-05 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	17.27 ng/ul	2873430	Phenanthrene-d10	17.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		[1,1'-Biphenyl]-3-amine	169 C12H11N	002243-47-2 43
2		Naphthalene, 1-methyl-7-(1-methy...	184 C14H16	000490-65-3 43
3		Heptanal, diethylhydrazone	184 C11H24N2	075268-03-0 38
4		2,3-Dihydro-1H-1-methylcyclopent...	184 C12H12N2	026629-21-0 38
5		Phenol, 3,4,5-trimethoxy-	184 C9H12O4	000642-71-7 38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGG9

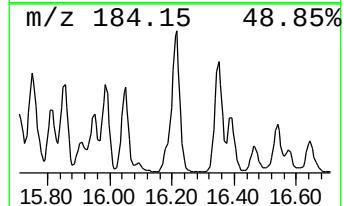
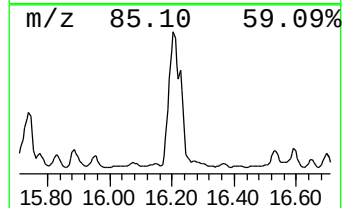
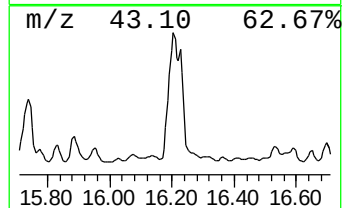
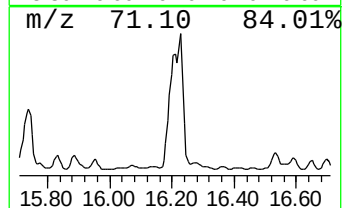
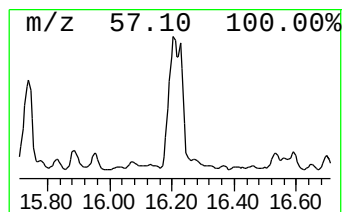
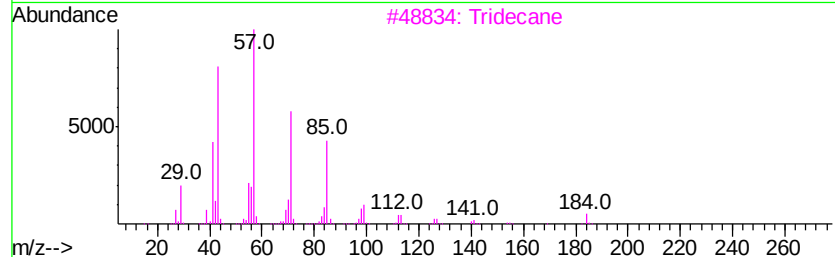
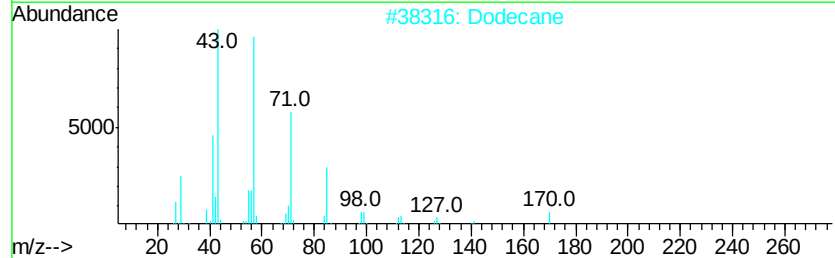
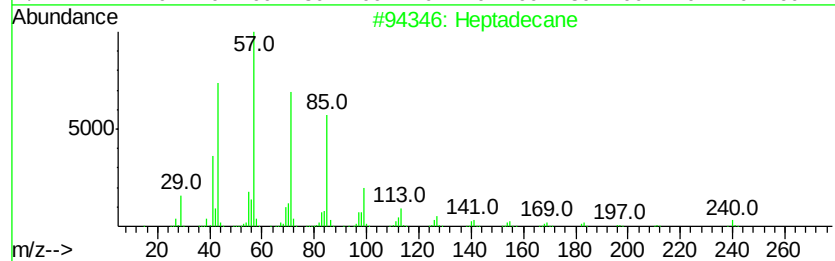
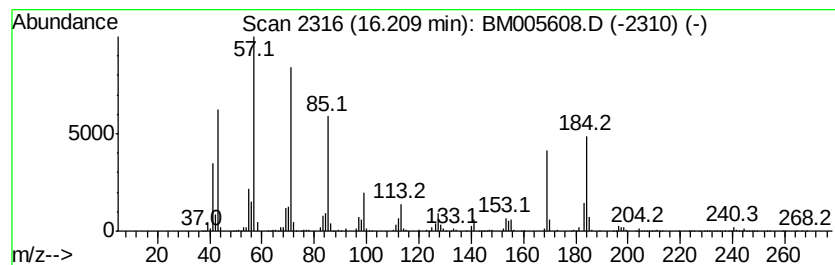
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	157.58 ng/ul	26222900	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	90
2		Dodecane	170	C12H26	000112-40-3	78
3		Tridecane	184	C13H28	000629-50-5	68
4		Heneicosane	296	C21H44	000629-94-7	64
5		Hentriacontane	437	C31H64	000630-04-6	62



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
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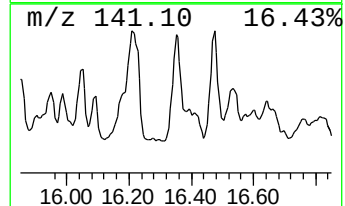
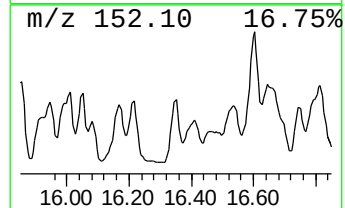
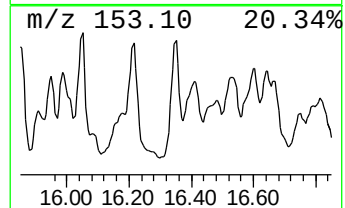
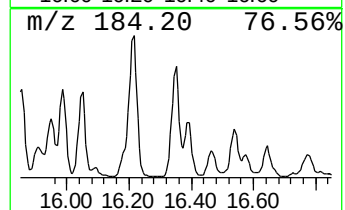
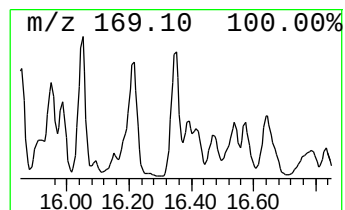
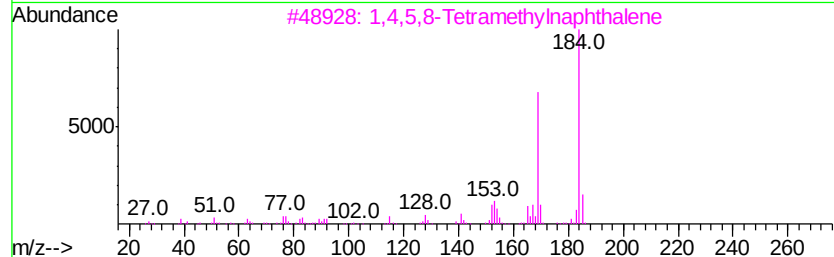
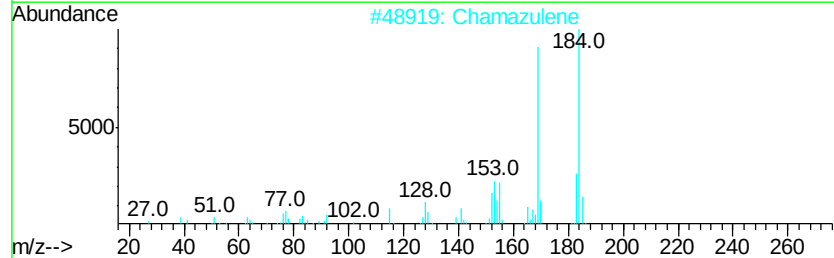
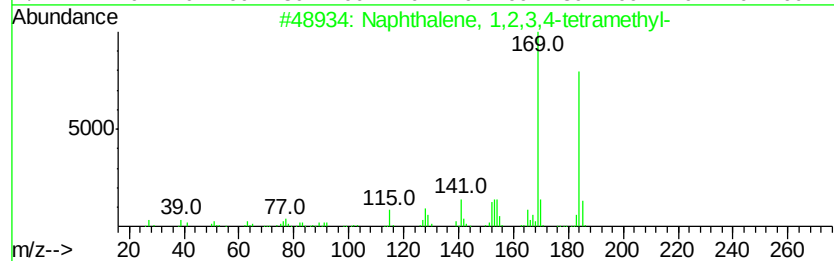
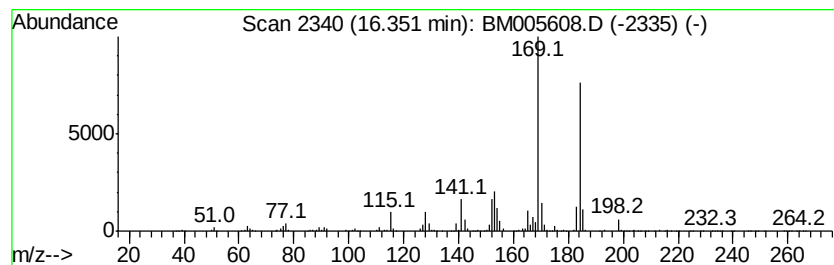
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Quant Title : SVOA CALIBRATION

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

Peak Number 43 Naphthalene, 1,2,3,4-tetram... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	22.95 ng/ul	3819800	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	93
2		Chamazulene	184	C14H16	000529-05-5	93
3		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	93
4		Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	91
5		Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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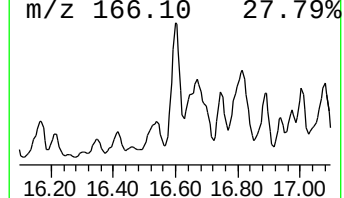
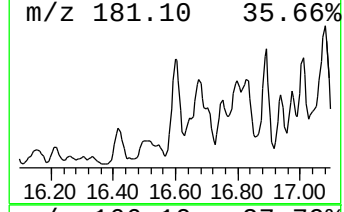
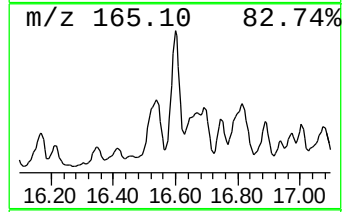
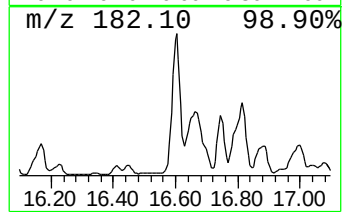
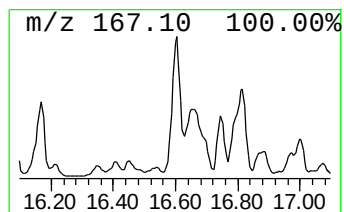
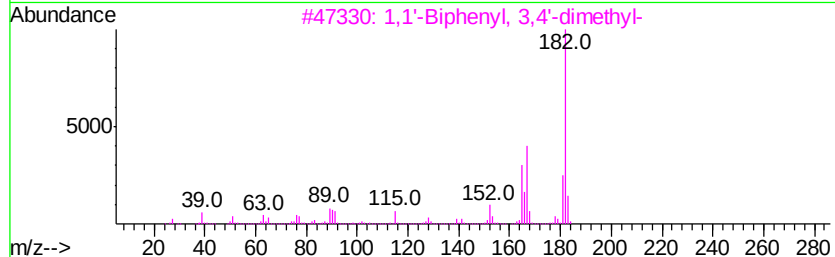
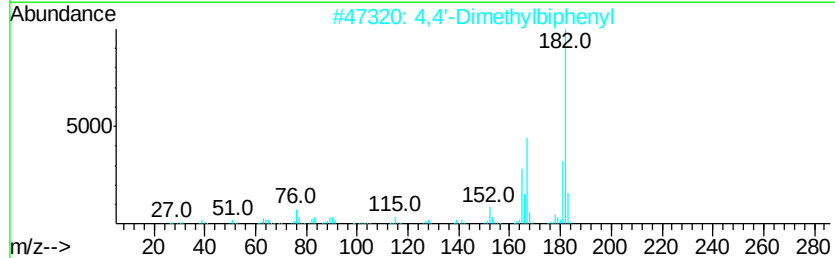
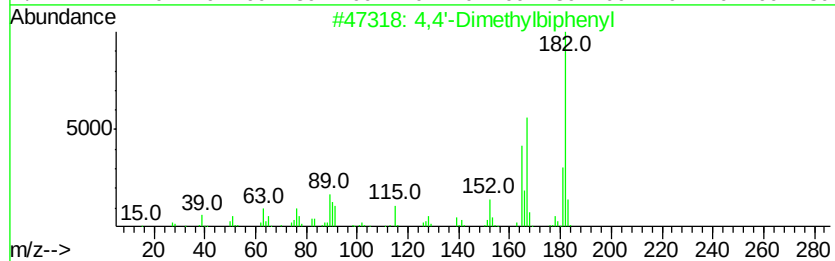
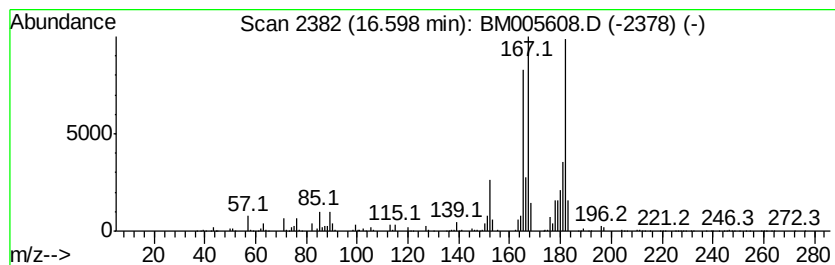
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Quant Title : SVOA CALIBRATION

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

Peak Number 44 4,4'-Dimethylbiphenyl Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	28.61 ng/ul	4761150	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	93
2		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	87
3		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	87
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	87
5		1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
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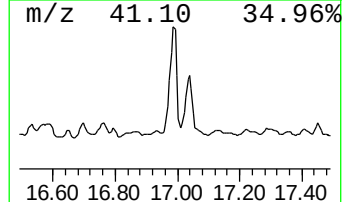
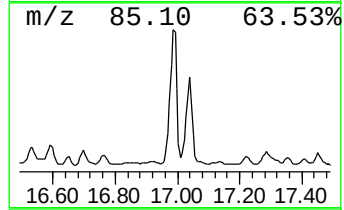
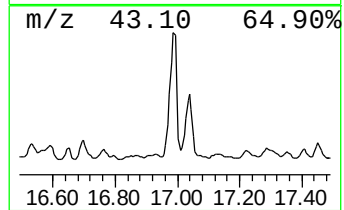
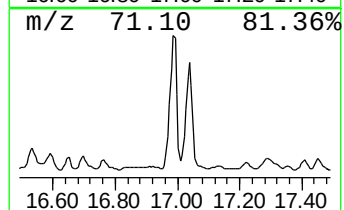
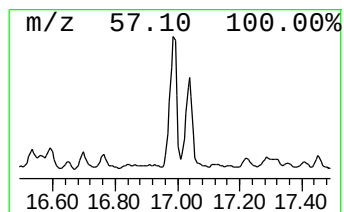
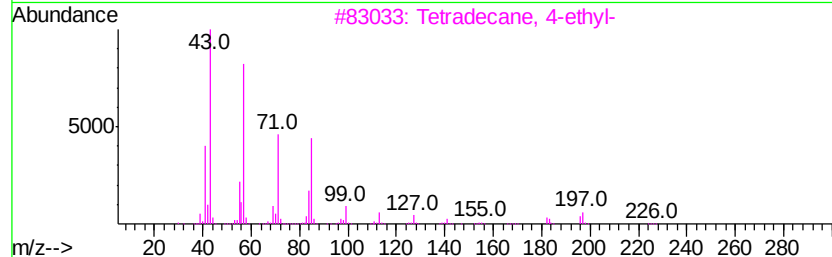
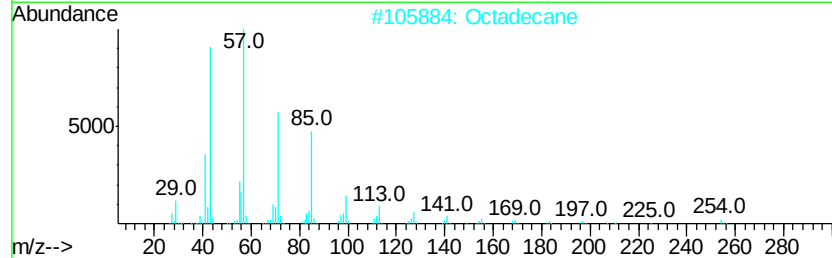
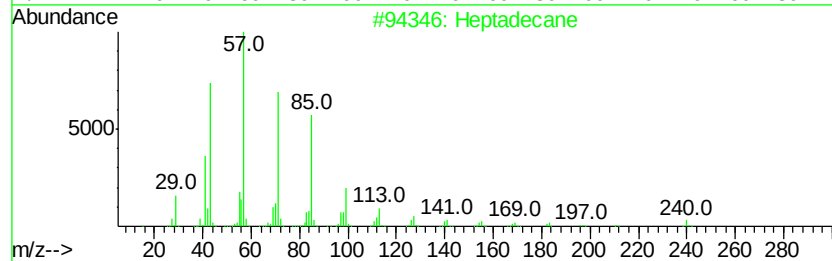
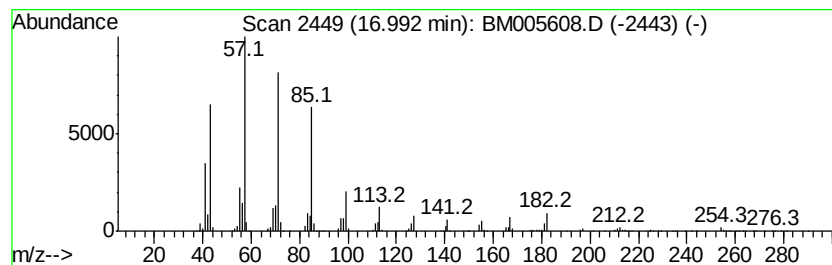
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Quant Title : SVOA CALIBRATION

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	59.81 ng/ul	9952620	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	90
2		Octadecane	254	C18H38	000593-45-3	87
3		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87
4		Hexadecane	226	C16H34	000544-76-3	87
5		Heneicosane	296	C21H44	000629-94-7	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
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Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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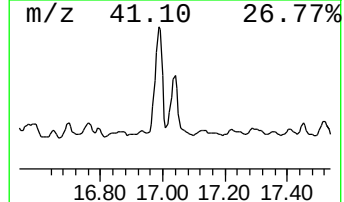
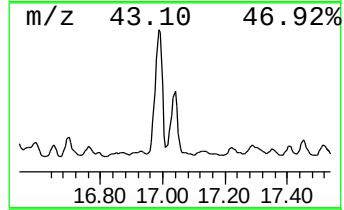
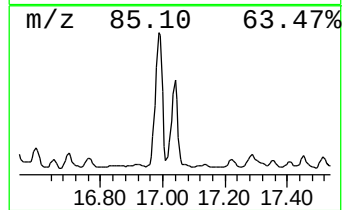
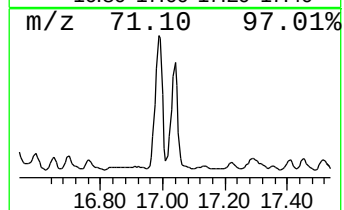
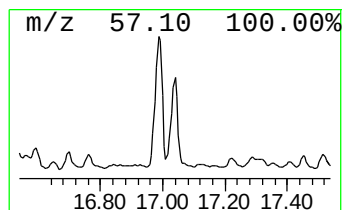
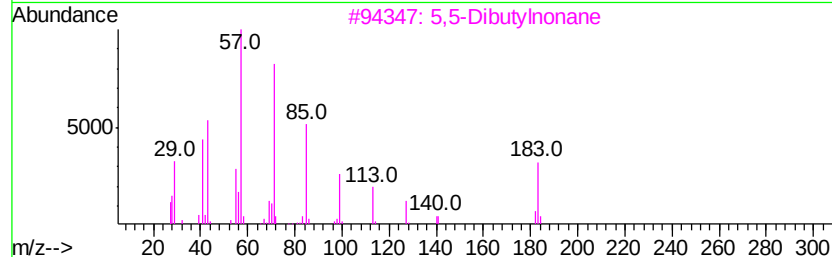
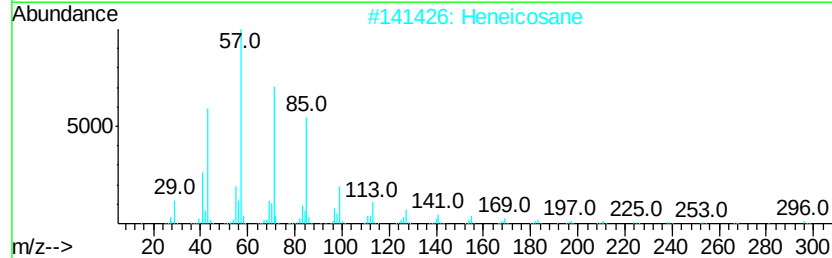
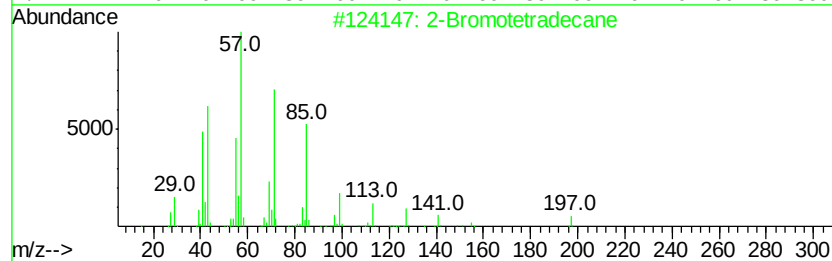
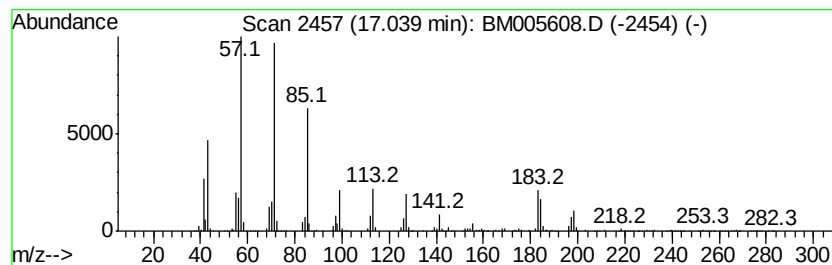
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Quant Title : SVOA CALIBRATION

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

Peak Number 47 2-Bromotetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	55.77 ng/ul	9280270	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromotetradecane	276	C14H29Br	074036-95-6	64
2		Heneicosane	296	C21H44	000629-94-7	62
3		5,5-Dibutylnonane	240	C17H36	006008-17-9	58
4		Hexadecane	226	C16H34	000544-76-3	58
5		Tridecane	184	C13H28	000629-50-5	58



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
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Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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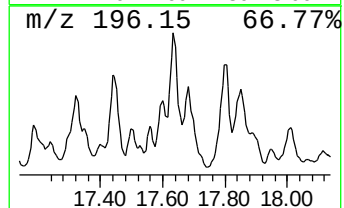
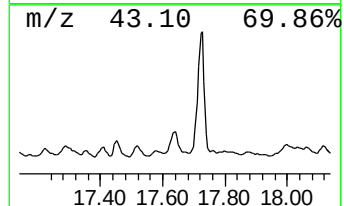
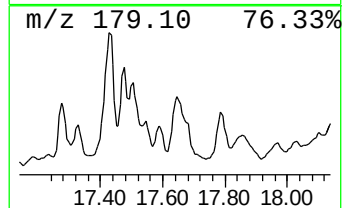
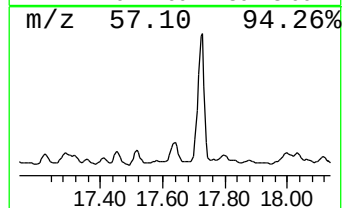
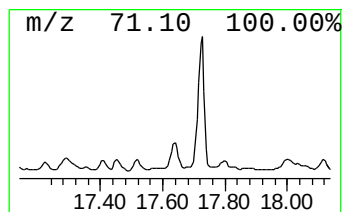
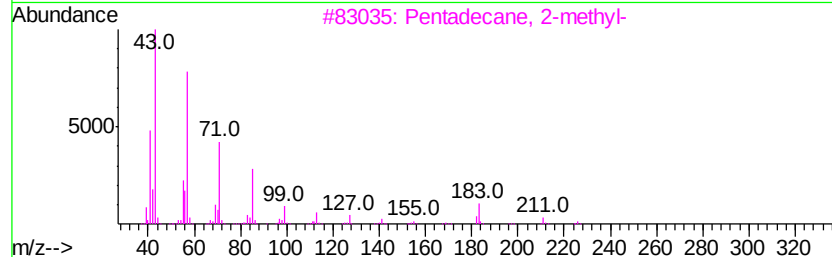
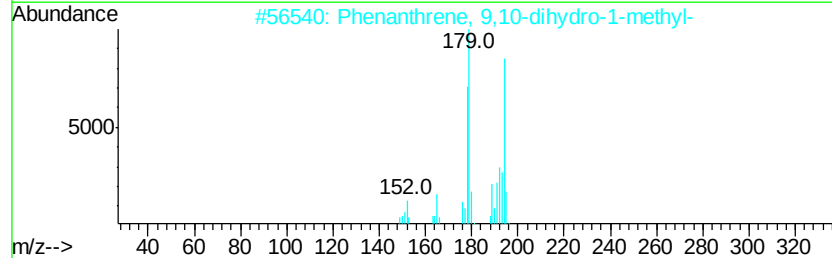
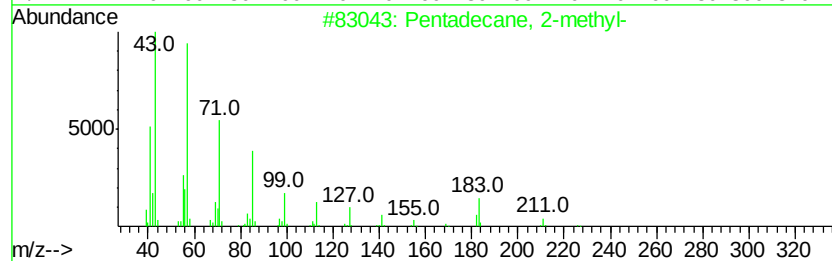
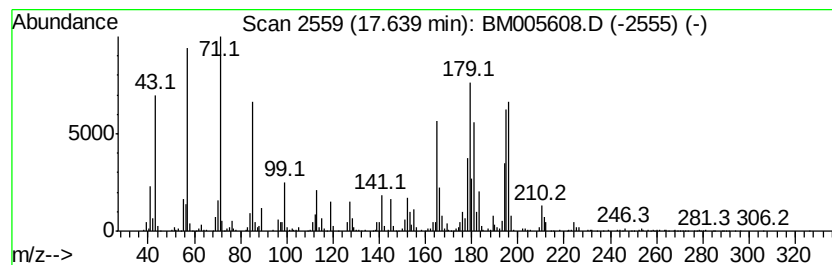
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Quant Title : SVOA CALIBRATION

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	20.02 ng/ul	3331690	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	52
2		Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	38
3		Pentadecane, 2-methyl-	226	C16H34	001560-93-6	25
4		Acridine 10-oxide	195	C13H9NO	010399-73-2	20
5		Heneicosane	296	C21H44	000629-94-7	18



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampled :
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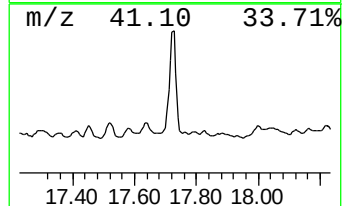
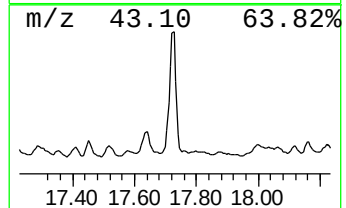
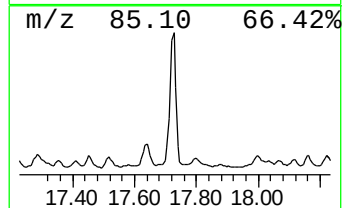
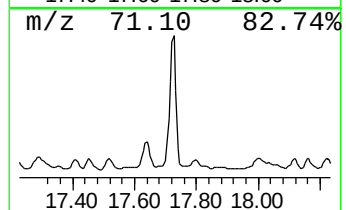
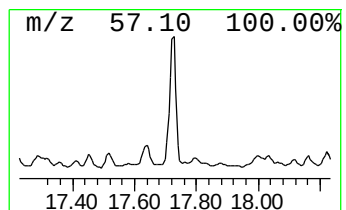
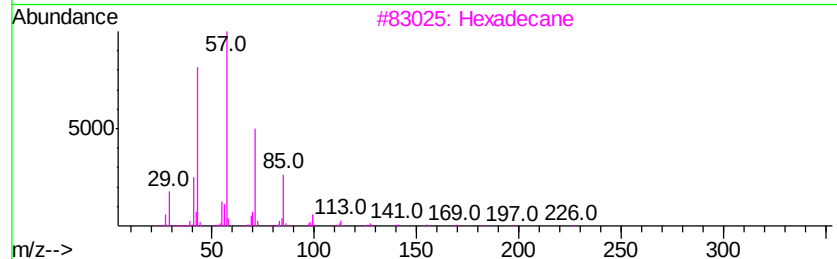
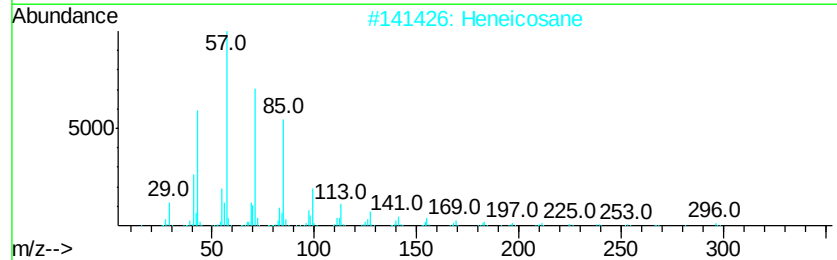
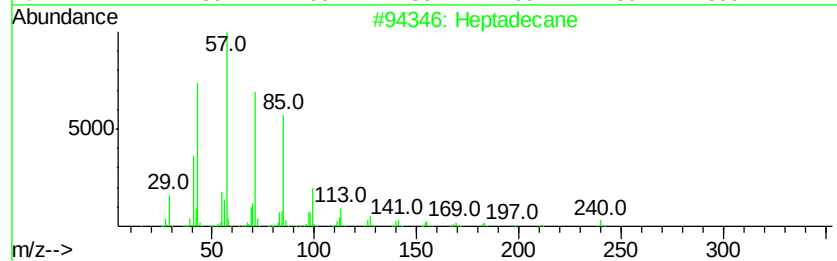
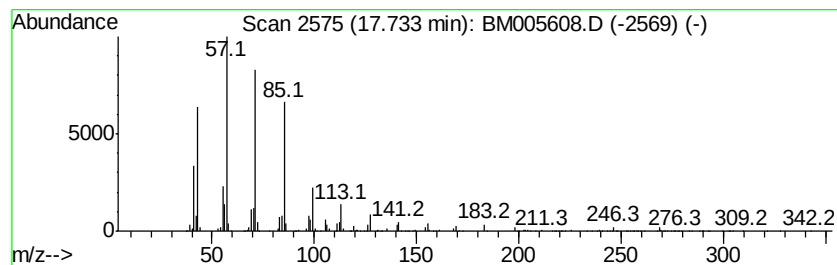
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Quant Title : SVOA CALIBRATION

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	55.80 ng/ul	9286450	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	90
2		Heneicosane	296	C21H44	000629-94-7	90
3		Hexadecane	226	C16H34	000544-76-3	87
4		Hexadecane	226	C16H34	000544-76-3	87
5		2-Bromotetradecane	276	C14H29Br	074036-95-6	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGG9

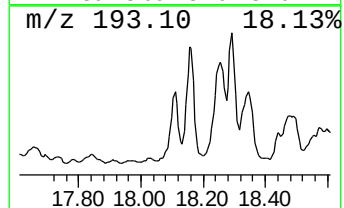
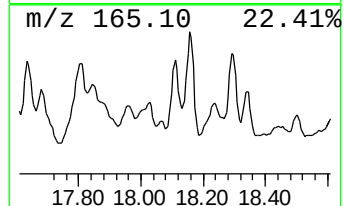
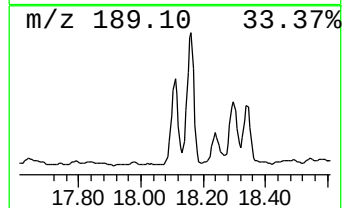
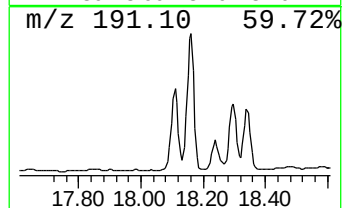
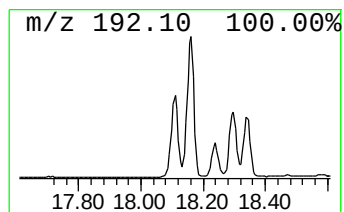
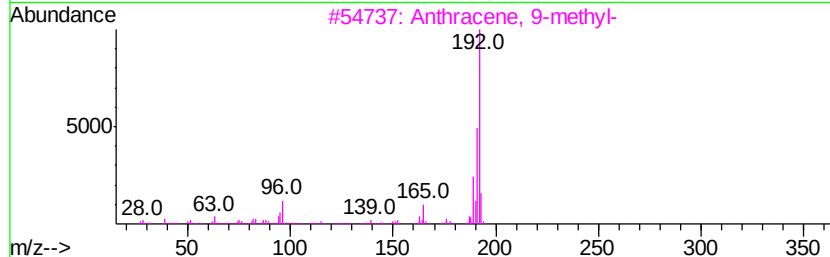
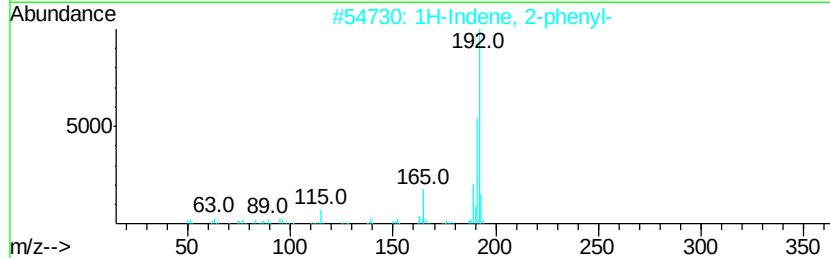
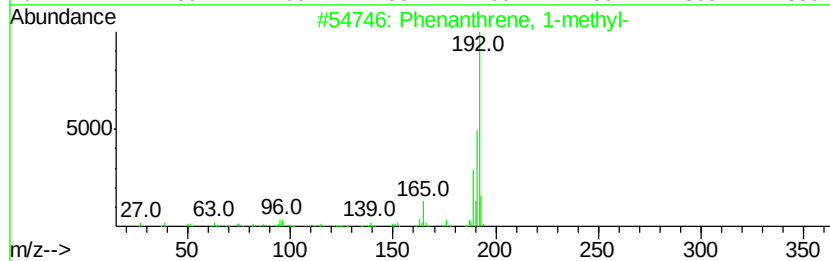
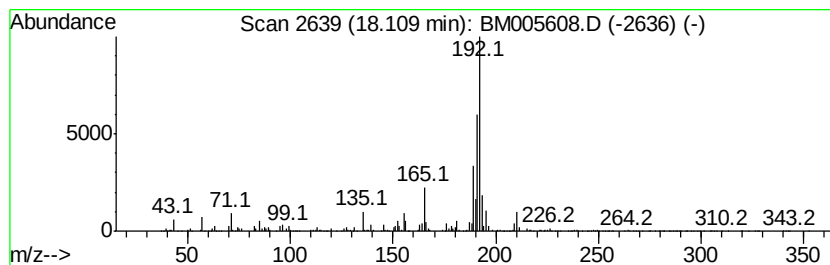
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Quant Title : SVOA CALIBRATION

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

Peak Number 50 Phenanthrene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	17.22 ng/ul	2864890	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGG9

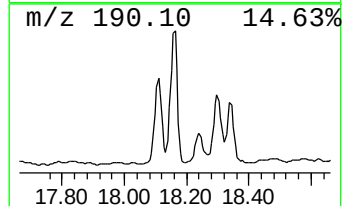
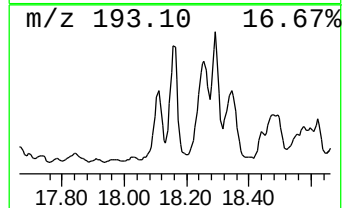
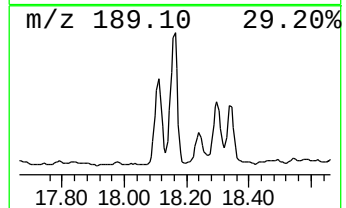
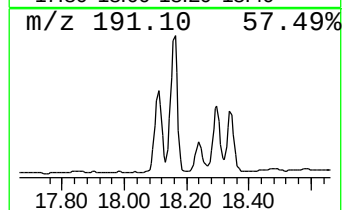
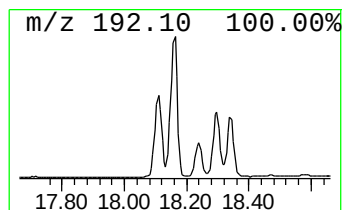
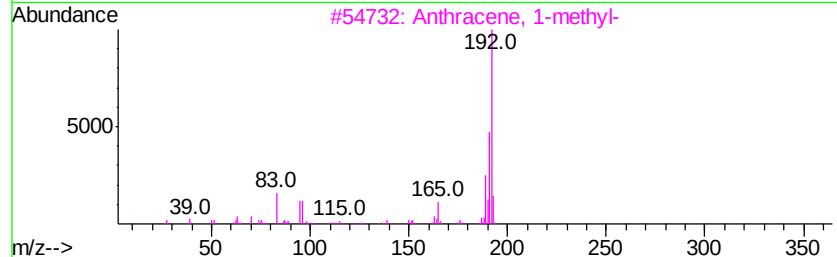
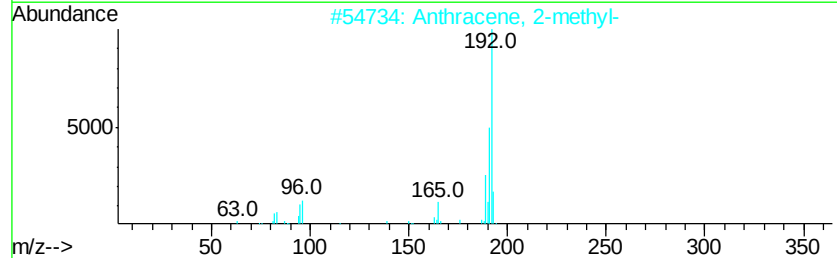
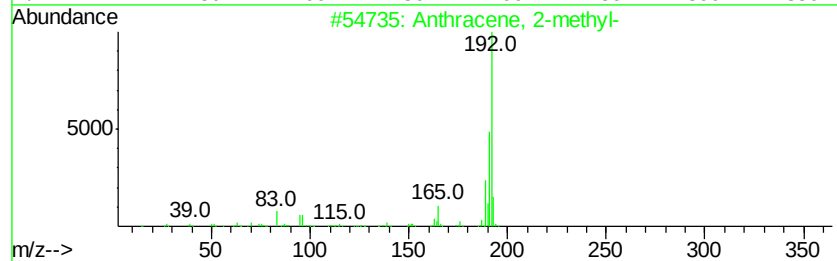
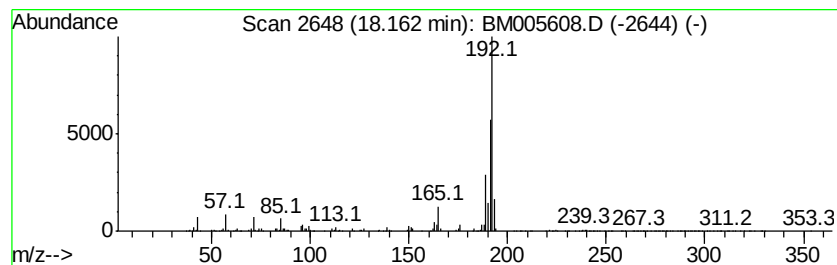
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	34.63 ng/ul	5763700	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGG9

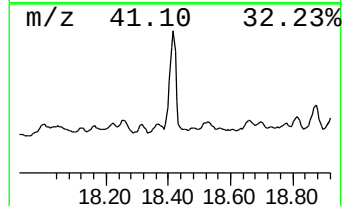
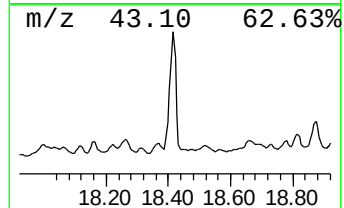
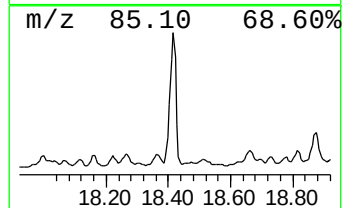
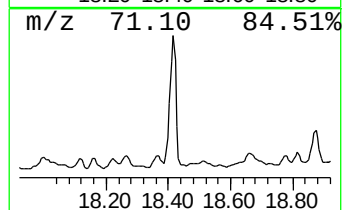
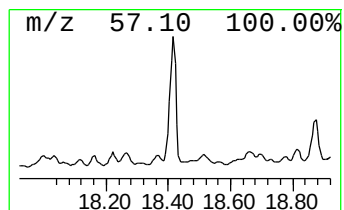
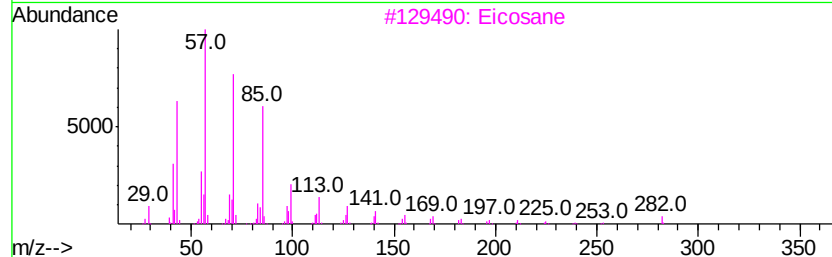
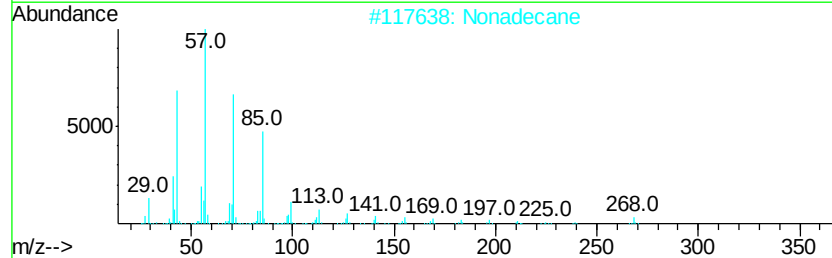
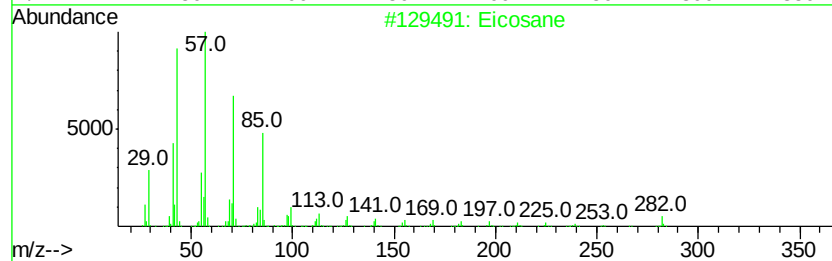
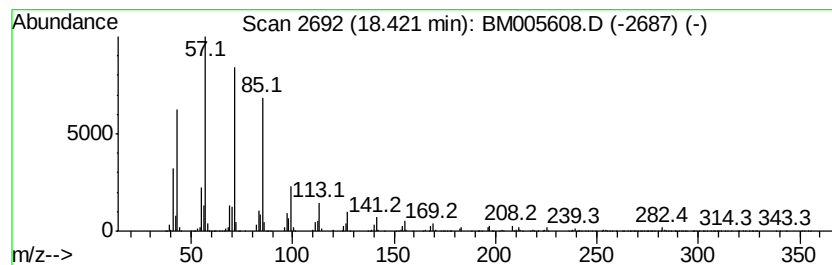
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	41.73 ng/ul	6944550	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	98
2		Nonadecane	268	C19H40	000629-92-5	95
3		Eicosane	282	C20H42	000112-95-8	91
4		Heptadecane	240	C17H36	000629-78-7	91
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGG9

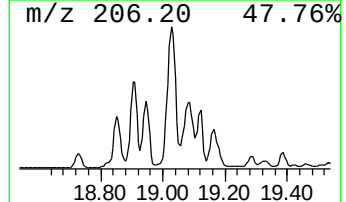
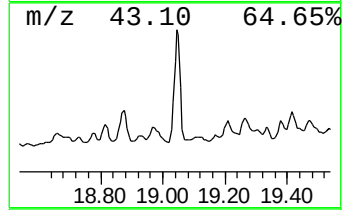
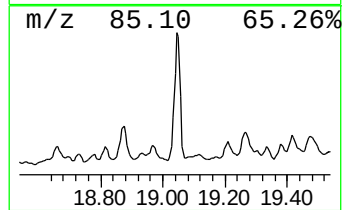
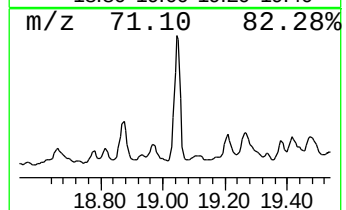
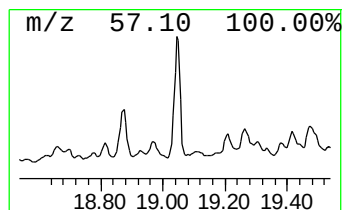
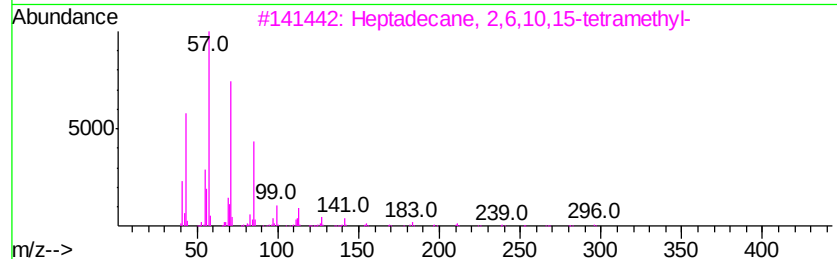
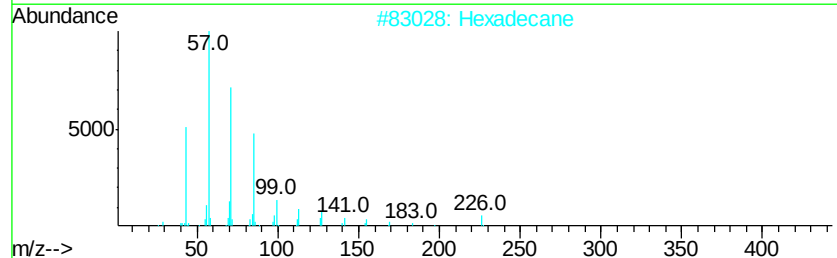
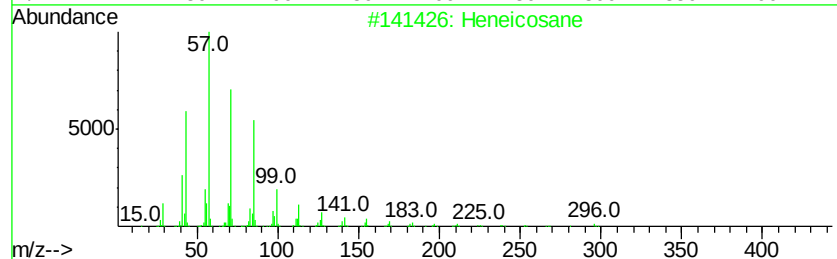
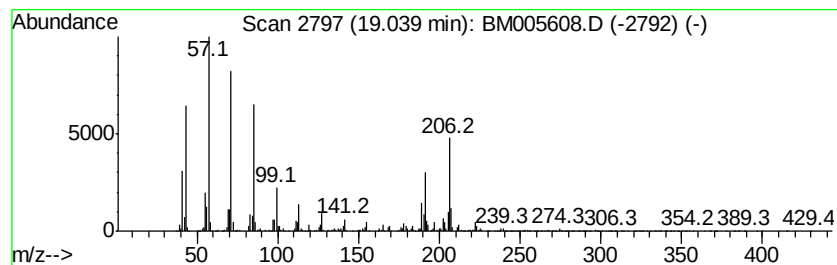
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Quant Title : SVOA CALIBRATION

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	57.95 ng/ul	9643290	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	95
2		Hexadecane	226	C16H34	000544-76-3	93
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4		Heptadecane	240	C17H36	000629-78-7	91
5		Hexadecane	226	C16H34	000544-76-3	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052216\
Data File : BM005608.D
Acq On : 23 May 2016 04:08
Operator : UM/SJ
Sample : H3086-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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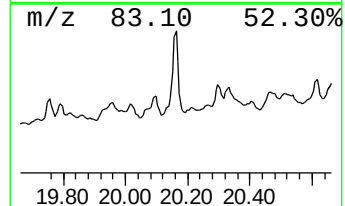
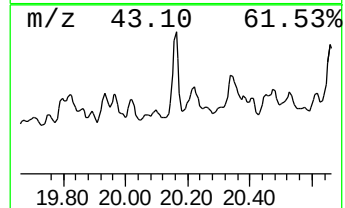
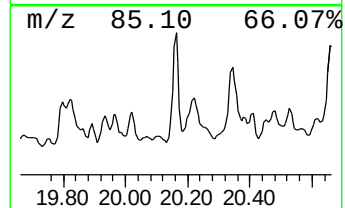
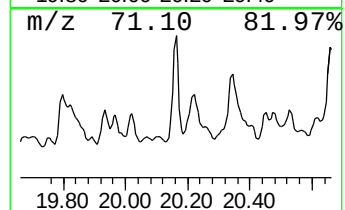
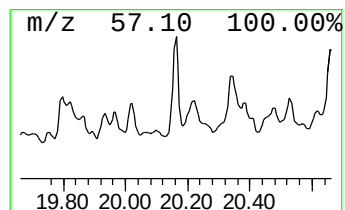
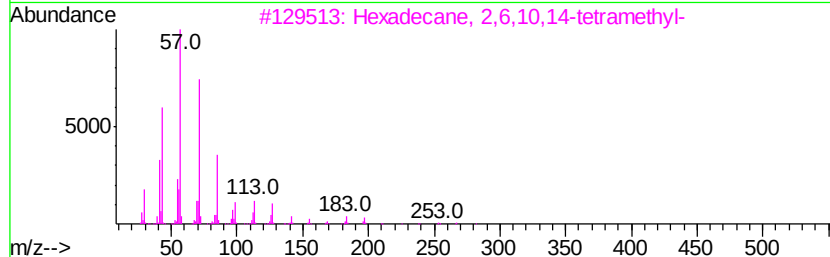
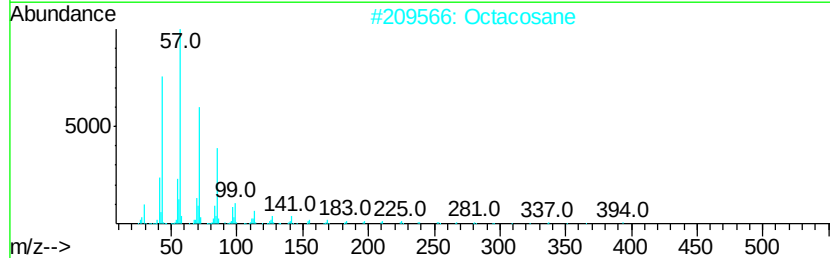
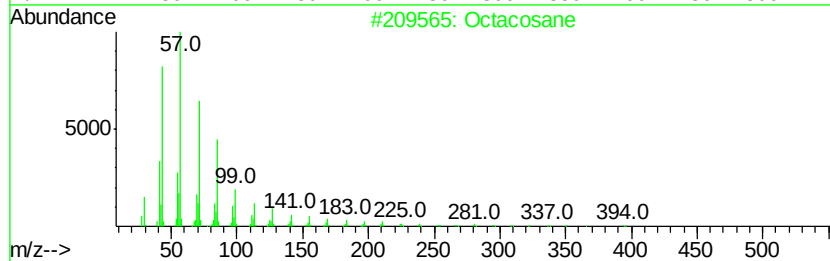
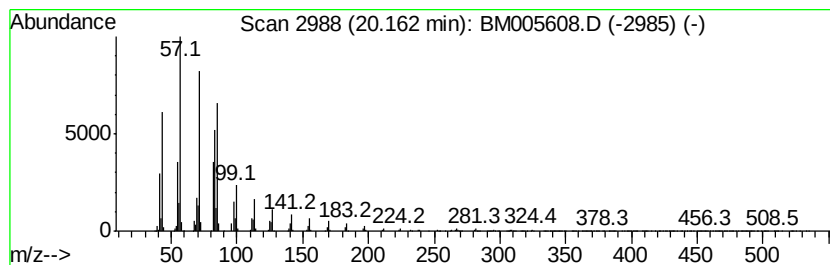
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Quant Title : SVOA CALIBRATION

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	20.00 ng/ul	4582290	Chrysene-d12	21.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	97
2		Octacosane	394	C28H58	000630-02-4	93
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
4		Docosane, 7-hexyl-	394	C28H58	055373-86-9	90
5		Eicosane, 9-octyl-	394	C28H58	013475-77-9	89



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005608.D
 Acq On : 23 May 2016 04:08
 Operator : UM/SJ
 Sample : H3086-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGG9

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	9.05	48.7	ng/ul	925703	1	7.83	380168	20.0
(DEL) Alkane: Str...	10.03	3.1	ng/ul	1340670	2	10.62	8614590	20.0
(DEL) Alkane: Cyc...	10.52	2.3	ng/ul	983604	2	10.62	8614590	20.0
Benzene, 1,4-diet...	10.84	3.5	ng/ul	1522190	2	10.62	8614590	20.0
Benzene, 1,3,5-tr...	11.03	4.0	ng/ul	1720210	2	10.62	8614590	20.0
(DEL) Alkane: Cyc...	11.10	2.7	ng/ul	1174790	2	10.62	8614590	20.0
2-Ethyl-2,3-dihyd...	11.28	3.3	ng/ul	1420410	2	10.62	8614590	20.0
(DEL) Alkane: Cyc...	11.32	8.7	ng/ul	3736340	2	10.62	8614590	20.0
unknown-01	11.38	4.8	ng/ul	2069480	2	10.62	8614590	20.0
(DEL) Alkane: Str...	11.46	5.7	ng/ul	2436110	2	10.62	8614590	20.0
1H-Indene, 2,3-di...	11.54	11.9	ng/ul	5112040	2	10.62	8614590	20.0
(DEL) Alkane: Str...	11.65	17.7	ng/ul	7629240	2	10.62	8614590	20.0
Benzene, (3-methy...	11.73	5.2	ng/ul	2257090	2	10.62	8614590	20.0
(DEL) Alkane: Str...	12.06	38.0	ng/ul	16368100	2	10.62	8614590	20.0
Naphthalene, 1-me...	12.52	17.9	ng/ul	7705340	2	10.62	8614590	20.0
Benzene, 1-(2-but...	12.59	13.0	ng/ul	2560950	3	14.49	3945560	20.0
unknown-02	12.73	20.6	ng/ul	4072120	3	14.49	3945560	20.0
(DEL) Alkane: Str...	12.80	11.1	ng/ul	2179600	3	14.49	3945560	20.0
(DEL) Alkane: Str...	12.87	32.7	ng/ul	6456770	3	14.49	3945560	20.0
(DEL) Alkane: Str...	12.96	23.4	ng/ul	4619720	3	14.49	3945560	20.0
(DEL) Alkane: Str...	13.02	39.5	ng/ul	7784480	3	14.49	3945560	20.0
Naphthalene, 1,2,...	13.14	24.3	ng/ul	4795560	3	14.49	3945560	20.0
(DEL) Alkane: Str...	13.33	69.5	ng/ul	13707100	3	14.49	3945560	20.0
1H-Indene, 2,3-di...	13.42	20.7	ng/ul	4077490	3	14.49	3945560	20.0
Naphthalene, 1-et...	13.52	14.4	ng/ul	2834910	3	14.49	3945560	20.0
Naphthalene, 2,7-...	13.66	98.3	ng/ul	19387600	3	14.49	3945560	20.0
Naphthalene, 1,6-...	13.82	76.7	ng/ul	15134200	3	14.49	3945560	20.0
unknown-03	14.01	13.4	ng/ul	2641540	3	14.49	3945560	20.0
Naphthalene, 1,5-...	14.05	18.1	ng/ul	3578680	3	14.49	3945560	20.0
(DEL) Alkane: Str...	14.40	78.9	ng/ul	15567500	3	14.49	3945560	20.0
Ethanone, 1-(1-Na...	14.62	14.2	ng/ul	2796970	3	14.49	3945560	20.0
Naphthalene, 1,6,...	14.79	15.8	ng/ul	3110910	3	14.49	3945560	20.0
Naphthalene, 2,3,...	14.90	74.0	ng/ul	14589800	3	14.49	3945560	20.0
Naphthalene, 1,4,...	14.98	51.4	ng/ul	10148200	3	14.49	3945560	20.0
Bacchotricuneatin c	15.34	77.7	ng/ul	15327000	3	14.49	3945560	20.0
1-Isopropenyl naph...	15.67	18.6	ng/ul	3662680	3	14.49	3945560	20.0
unknown-04	15.71	13.8	ng/ul	2715670	3	14.49	3945560	20.0
unknown-05	15.95	17.3	ng/ul	2873430	4	17.23	3328280	20.0
(DEL) Alkane: Str...	16.21	157.6	ng/ul	26222900	4	17.23	3328280	20.0
Naphthalene, 1,2,...	16.35	22.9	ng/ul	3819800	4	17.23	3328280	20.0
4,4'-Dimethylbiph...	16.60	28.6	ng/ul	4761150	4	17.23	3328280	20.0
(DEL) Alkane: Str...	16.99	59.8	ng/ul	9952620	4	17.23	3328280	20.0
2-Bromotetradecane	17.04	55.8	ng/ul	9280270	4	17.23	3328280	20.0
(DEL) Alkane: Str...	17.64	20.0	ng/ul	3331690	4	17.23	3328280	20.0
(DEL) Alkane: Str...	17.73	55.8	ng/ul	9286450	4	17.23	3328280	20.0
Phenanthrene, 1-m...	18.11	17.2	ng/ul	2864890	4	17.23	3328280	20.0
Anthracene, 2-met...	18.16	34.6	ng/ul	5763700	4	17.23	3328280	20.0
(DEL) Alkane: Str...	18.42	41.7	ng/ul	6944550	4	17.23	3328280	20.0
(DEL) Alkane: Str...	19.04	58.0	ng/ul	9643290	4	17.23	3328280	20.0

Instrument :

BNA_M

ClientSampleId :

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