

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
 Data File : BM018046.D
 Acq On : 11 Dec 2018 04:21
 Operator : JU/SJ
 Sample : J6077-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9Y04

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.804	304	309	313	rVV	565305	877077	14.16%	0.599%
2	5.451	414	419	423	rBV3	288424	487227	7.87%	0.332%
3	5.534	428	433	437	rVV	392777	613590	9.91%	0.419%
4	5.846	478	486	493	rBV5	410399	984430	15.90%	0.672%
5	6.069	516	524	528	rBV4	604257	1260899	20.36%	0.860%
6	6.122	528	533	537	rVV	922654	1317584	21.28%	0.899%
7	6.198	537	546	548	rVV2	689024	1298209	20.96%	0.886%
8	6.228	548	551	558	rVV	881480	1263145	20.40%	0.862%
9	6.434	582	586	595	rVB5	226296	533005	8.61%	0.364%
10	6.540	595	604	617	rVB2	310447	705945	11.40%	0.482%
11	6.687	625	629	635	rVV3	850231	1410926	22.78%	0.963%
12	6.745	635	639	648	rVV2	478700	884904	14.29%	0.604%
13	6.910	663	667	674	rVV2	438456	1015709	16.40%	0.693%
14	6.998	679	682	684	rVV2	366105	480479	7.76%	0.328%
15	7.028	684	687	692	rVV	435296	761880	12.30%	0.520%
16	7.093	693	698	711	rVB2	874655	2064667	33.34%	1.409%
17	7.451	751	759	764	rBV6	320161	942980	15.23%	0.644%
18	7.510	764	769	772	rVV4	242011	556174	8.98%	0.380%
19	7.551	772	776	781	rVV	731448	1138088	18.38%	0.777%
20	7.604	781	785	790	rVB3	252139	478398	7.72%	0.326%
21	7.722	799	805	809	rVV2	516679	900669	14.54%	0.615%
22	7.792	814	817	819	rVV	393210	571634	9.23%	0.390%
23	7.816	819	821	827	rVV	602525	866314	13.99%	0.591%
24	7.881	828	832	838	rVB2	345933	479936	7.75%	0.328%
25	8.087	862	867	873	rVB	566863	950810	15.35%	0.649%
26	8.269	894	898	905	rBV	432360	785653	12.69%	0.536%
27	8.357	909	913	918	rBV	516270	811480	13.10%	0.554%
28	8.604	949	955	956	rBV2	649317	920916	14.87%	0.628%
29	8.634	957	960	967	rVV3	1135797	1999536	32.29%	1.365%
30	8.716	968	974	981	rVB4	897552	1939768	31.32%	1.324%
31	8.839	990	995	997	rBV3	451853	779729	12.59%	0.532%
32	8.875	997	1001	1007	rVB2	655462	1336864	21.59%	0.912%
33	8.981	1007	1019	1026	rBV6	302684	1032216	16.67%	0.704%
34	9.163	1046	1050	1056	rVB2	473930	757916	12.24%	0.517%

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35	9.234	1056	1062	1067	rBV2	776667	1279232	20.66%	0.873%
36	9.445	1088	1098	1102	rVV5	868344	2334000	37.69%	1.593%
37	9.492	1102	1106	1120	rVB6	920094	1983436	32.03%	1.354%
38	9.728	1140	1146	1151	rBV2	1521717	2747356	44.36%	1.875%
39	9.910	1170	1177	1180	rBV5	437101	943787	15.24%	0.644%
40	9.957	1180	1185	1190	rVV	643458	1104242	17.83%	0.754%
41	10.039	1191	1199	1204	rVV4	413262	1129836	18.24%	0.771%
42	10.098	1204	1209	1213	rVB4	326511	508465	8.21%	0.347%
43	10.175	1217	1222	1225	rBV2	441288	662407	10.70%	0.452%
44	10.275	1235	1239	1241	rVV3	485645	754711	12.19%	0.515%
45	10.322	1241	1247	1251	rVV2	1377444	2696379	43.54%	1.840%
46	10.375	1252	1256	1261	rVB4	360494	785207	12.68%	0.536%
47	10.428	1261	1265	1269	rBV2	442217	601055	9.71%	0.410%
48	10.475	1269	1273	1279	rVB2	936241	1418972	22.91%	0.968%
49	10.539	1279	1284	1290	rVB3	489720	894524	14.44%	0.610%
50	10.598	1291	1294	1301	rVB4	286803	557787	9.01%	0.381%
51	10.686	1305	1309	1312	rBV2	419541	699994	11.30%	0.478%
52	10.798	1323	1328	1336	rVB2	880848	1461001	23.59%	0.997%
53	10.980	1354	1359	1361	rVV3	755655	1267994	20.47%	0.865%
54	11.010	1361	1364	1369	rVB	882936	1385825	22.38%	0.946%
55	11.145	1382	1387	1390	rBV4	271062	587532	9.49%	0.401%
56	11.339	1415	1420	1429	rVV2	3097289	5705011	92.12%	3.893%
57	11.504	1440	1448	1456	rVB5	523741	1376429	22.23%	0.939%
58	11.592	1457	1463	1468	rBV2	907493	1503020	24.27%	1.026%
59	11.675	1470	1477	1481	rVB3	448429	967748	15.63%	0.660%
60	11.733	1482	1487	1490	rBV4	319045	626612	10.12%	0.428%
61	11.880	1509	1512	1517	rVB5	562300	859877	13.88%	0.587%
62	12.151	1555	1558	1562	rVV3	402503	628559	10.15%	0.429%
63	12.216	1565	1569	1582	rVB5	725025	1895205	30.60%	1.293%
64	12.457	1606	1610	1616	rVB	991696	1724666	27.85%	1.177%
65	12.604	1631	1635	1642	rVB6	378784	846154	13.66%	0.577%
66	12.722	1650	1655	1660	rVB	3525678	5182261	83.68%	3.537%
67	12.992	1697	1701	1705	rBV	986215	1424157	23.00%	0.972%
68	13.039	1705	1709	1713	rVV2	1068291	1418206	22.90%	0.968%
69	13.110	1718	1721	1730	rVB4	675314	1199818	19.37%	0.819%
70	13.180	1731	1733	1737	rVB4	512214	610443	9.86%	0.417%
71	13.363	1760	1764	1770	rBV4	414169	837238	13.52%	0.571%

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72	13.522	1787	1791	1796	rVB2	781074	1233014	19.91%	0.841%
73	13.574	1796	1800	1805	rVV	879198	1671236	26.99%	1.140%
74	13.622	1805	1808	1813	rVV	1184565	1713631	27.67%	1.169%
75	13.686	1813	1819	1824	rVB3	4189632	5827152	94.09%	3.977%
76	13.898	1850	1855	1862	rVB	1736700	2465303	39.81%	1.682%
77	14.045	1878	1880	1885	rVB2	529115	679973	10.98%	0.464%
78	14.204	1900	1907	1915	rVB3	1748372	3638546	58.75%	2.483%
79	14.616	1973	1977	1986	rVB5	1013117	1906644	30.79%	1.301%
80	14.686	1986	1989	1993	rVB	440363	515281	8.32%	0.352%
81	14.733	1993	1997	2003	rBV2	1159380	1776845	28.69%	1.213%
82	14.833	2010	2014	2018	rBV	511562	809860	13.08%	0.553%
83	15.039	2046	2049	2053	rVB3	410268	582846	9.41%	0.398%
84	15.210	2073	2078	2082	rVB	1807201	2448241	39.53%	1.671%
85	15.480	2118	2124	2129	rVB	3378404	5141462	83.02%	3.509%
86	15.563	2135	2138	2145	rVB7	362009	718925	11.61%	0.491%
87	15.680	2155	2158	2167	rVB5	512307	895193	14.45%	0.611%
88	15.963	2199	2206	2210	rBV	4048879	6193077	100.00%	4.226%
89	16.780	2340	2345	2356	rVB	2484697	3808744	61.50%	2.599%
90	16.962	2372	2376	2382	rBV2	1898053	2815874	45.47%	1.922%
91	17.062	2388	2393	2399	rVB	1881508	2643101	42.68%	1.804%
92	17.386	2444	2448	2453	rVB	626719	899027	14.52%	0.614%
93	17.868	2528	2530	2537	rVB3	329852	522175	8.43%	0.356%
94	18.627	2656	2659	2668	rVB2	316045	572730	9.25%	0.391%
95	19.315	2772	2776	2780	rVB	1232240	1371914	22.15%	0.936%
96	19.368	2781	2785	2791	rVB	1743002	2347399	37.90%	1.602%
97	20.368	2952	2955	2960	rVB	785856	814422	13.15%	0.556%
98	21.174	3088	3092	3100	rBV	1530107	2131559	34.42%	1.455%
99	23.215	3434	3439	3452	rVB	1259855	2491185	40.23%	1.700%
100	23.350	3458	3462	3472	rVB2	1149212	2082848	33.63%	1.421%

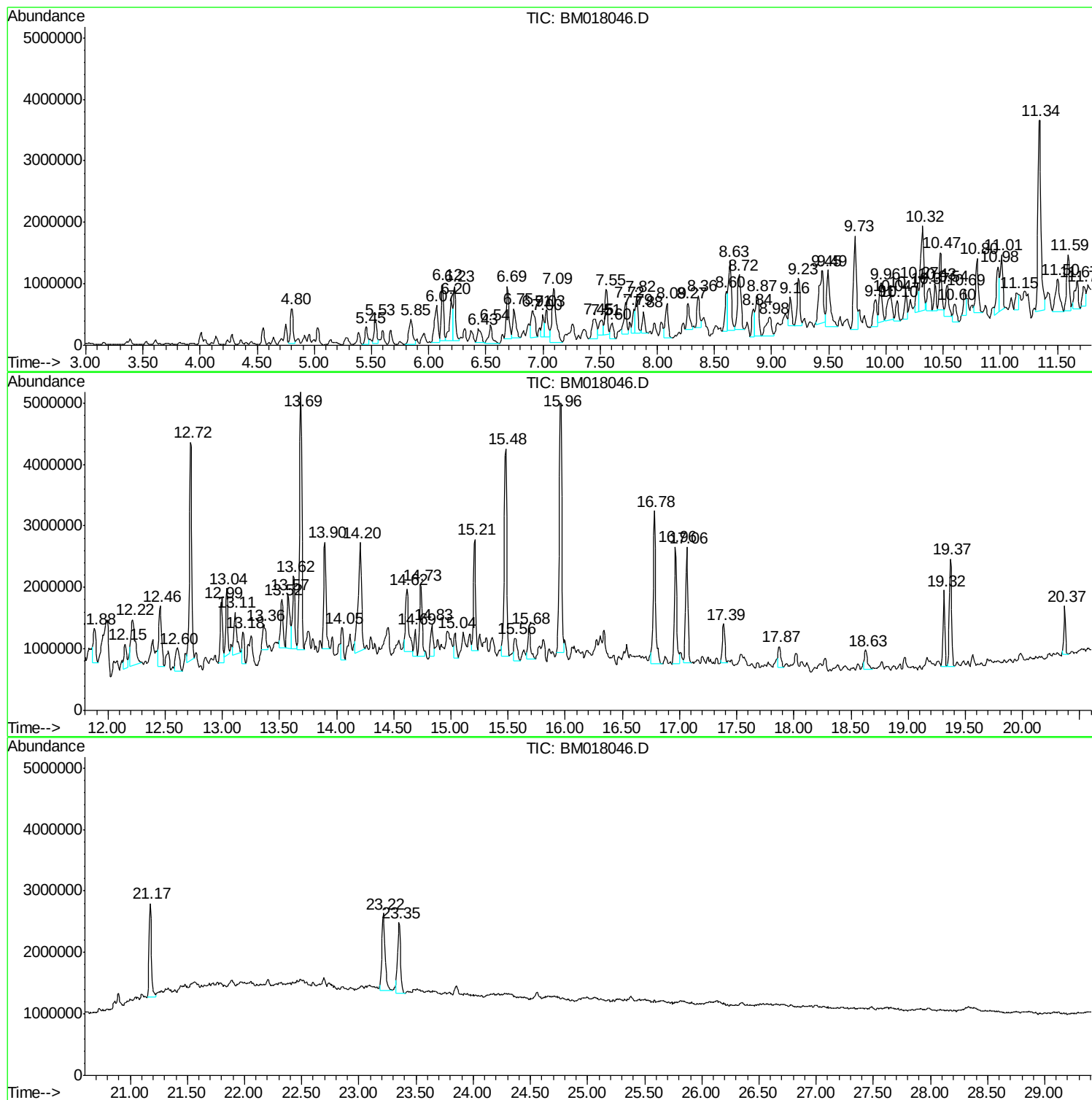
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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



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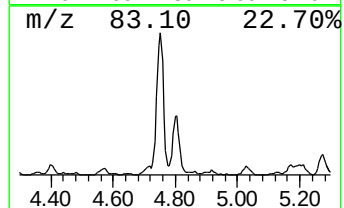
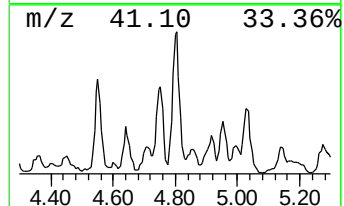
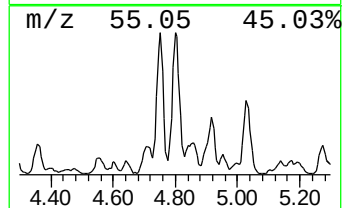
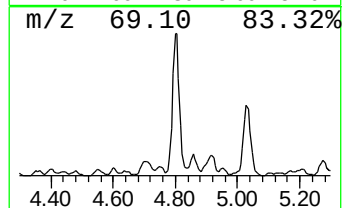
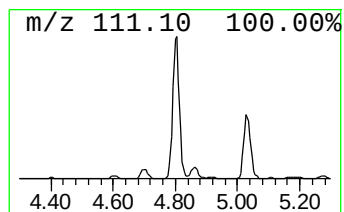
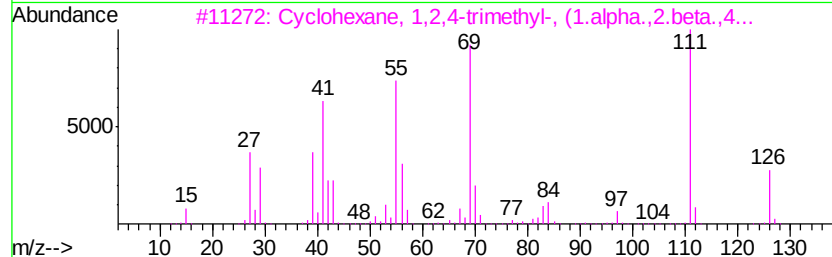
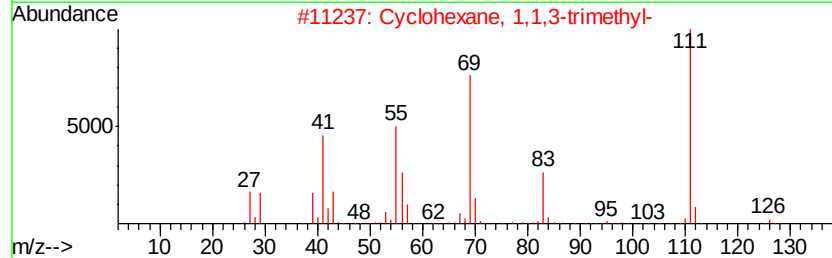
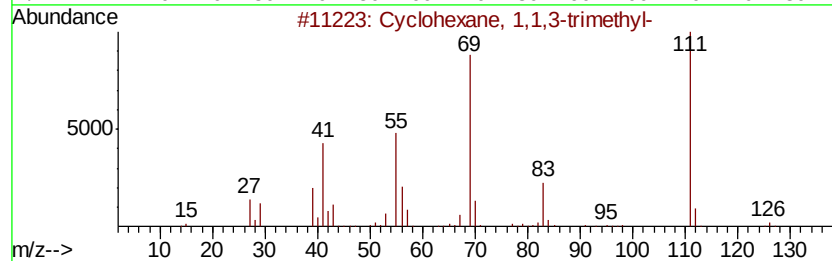
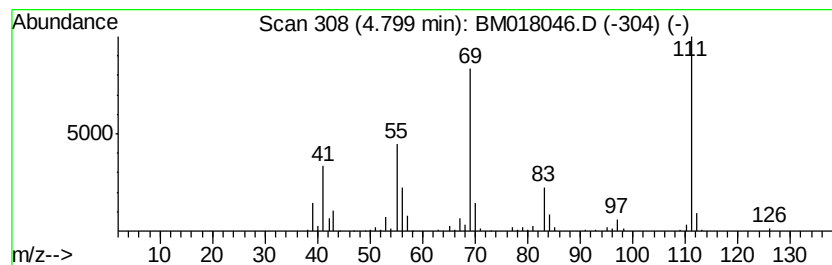
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic4.80 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	15.41 ng/ul	877077	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
3		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	78
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64



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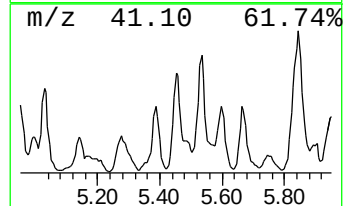
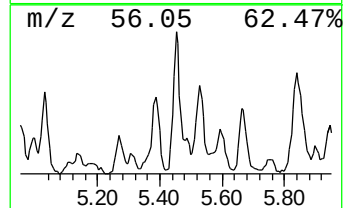
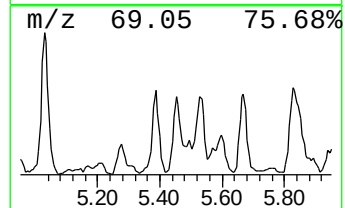
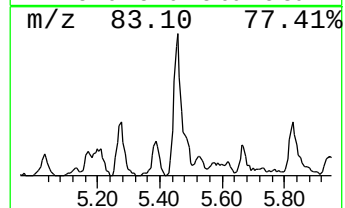
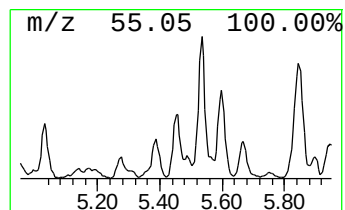
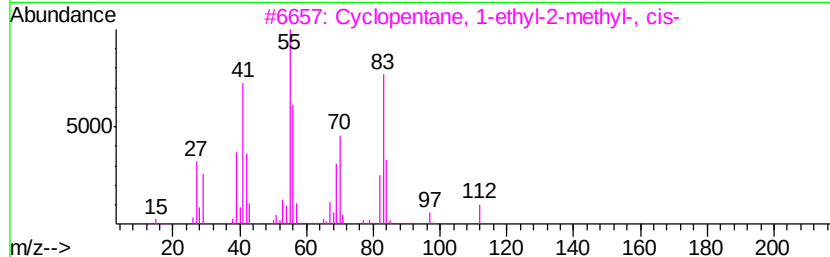
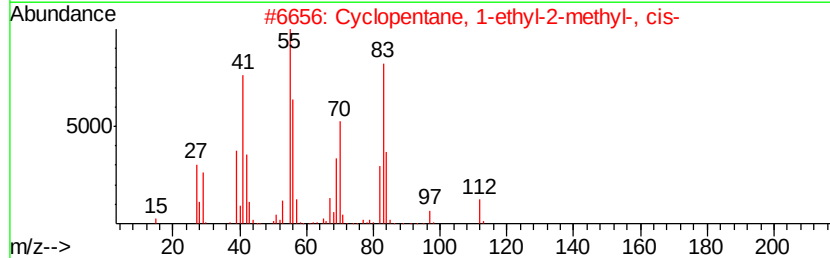
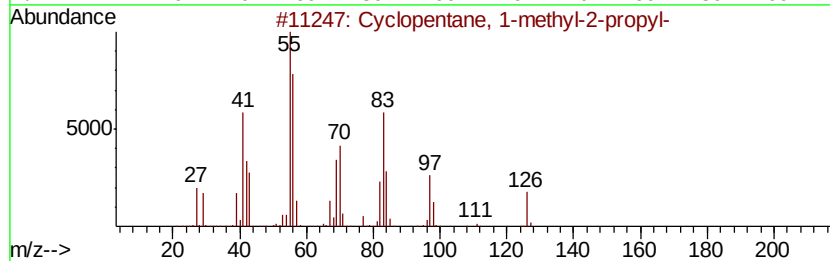
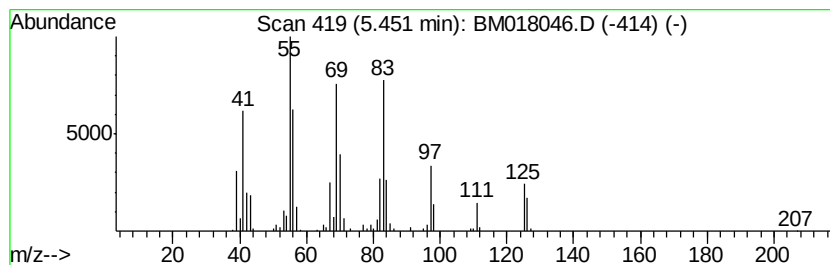
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Cyclic5.45 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	8.56 ng/ul	487227	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	93
2		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	55
3		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	55
4		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43



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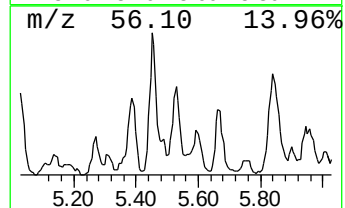
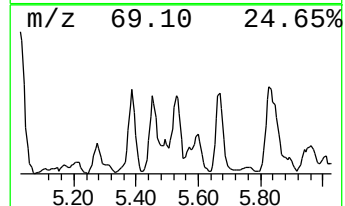
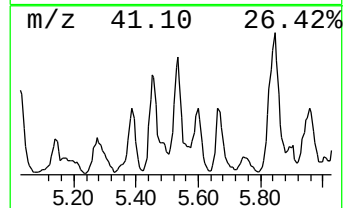
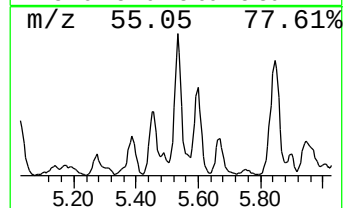
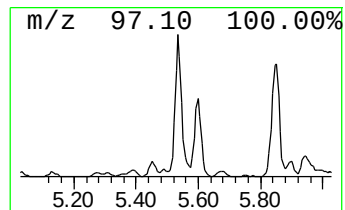
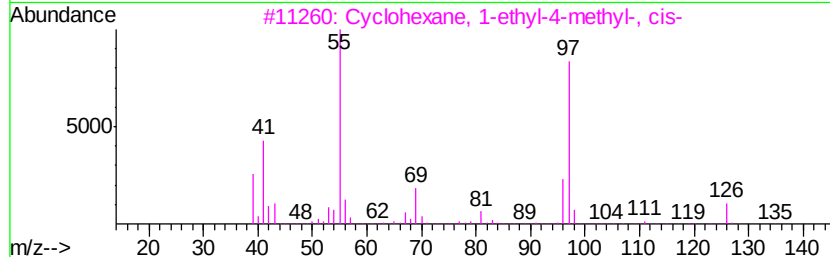
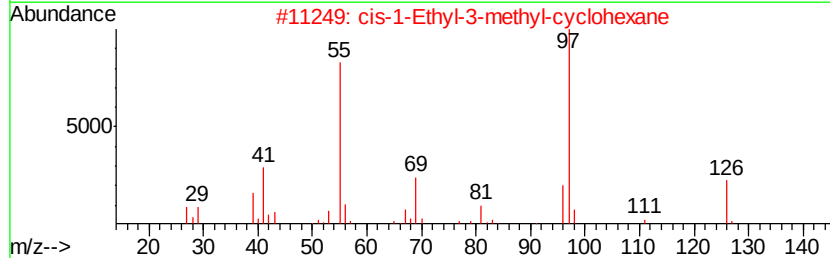
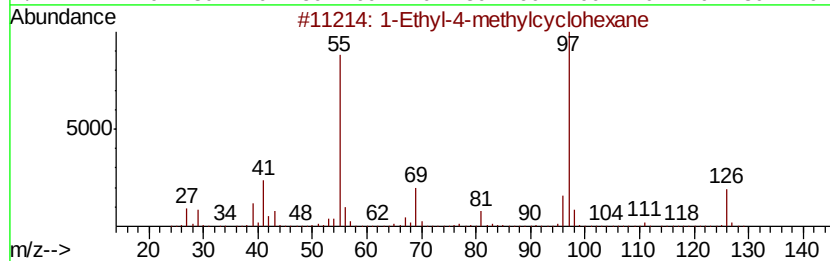
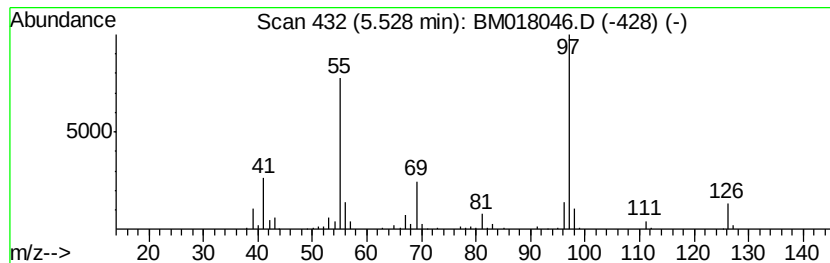
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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic5.53 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	10.78 ng/ul	613590	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	78



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Operator : JU/SJ
Sample : J6077-19
Misc :
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Instrument :
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ClientSampled :
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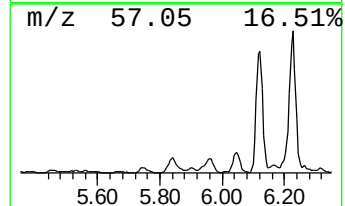
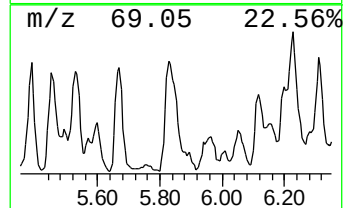
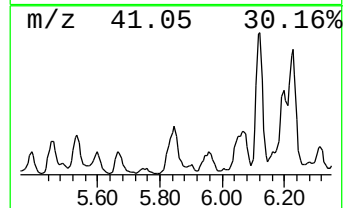
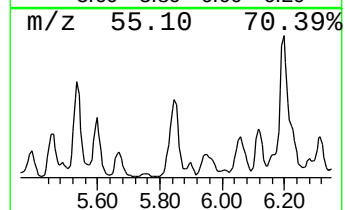
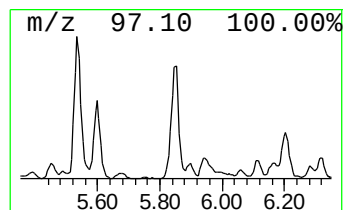
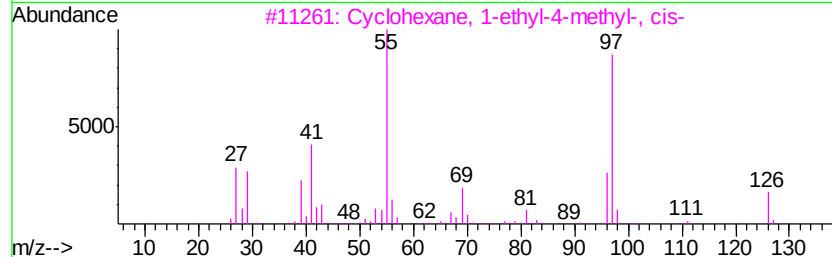
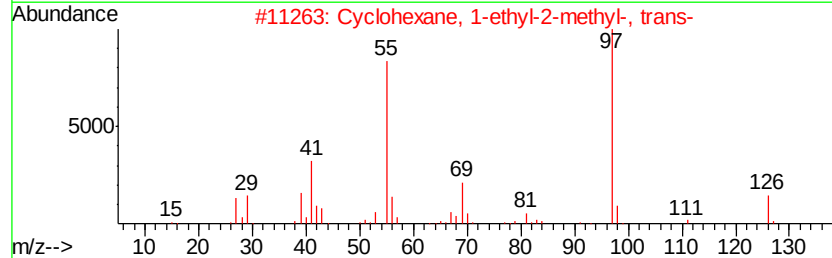
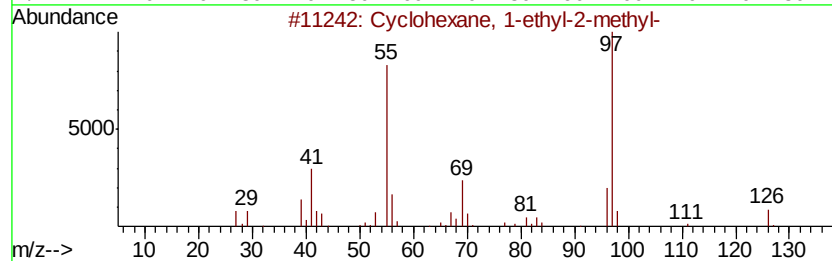
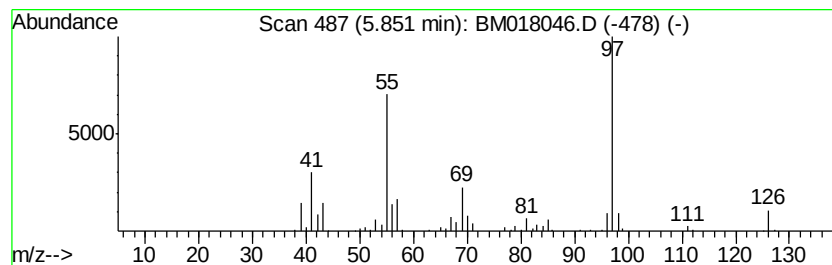
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic5.85 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	17.30 ng/ul	984430	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59
5		Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	58



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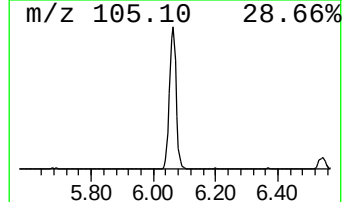
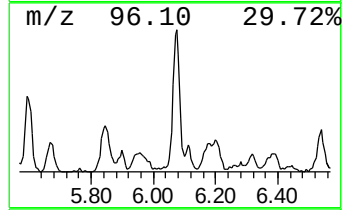
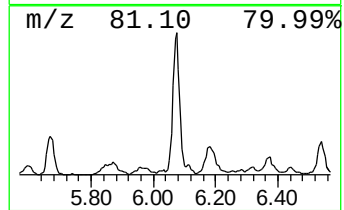
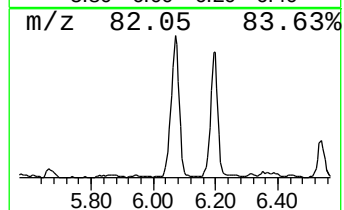
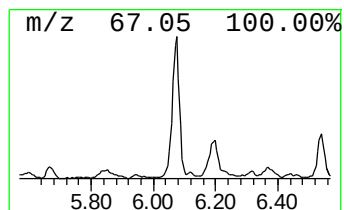
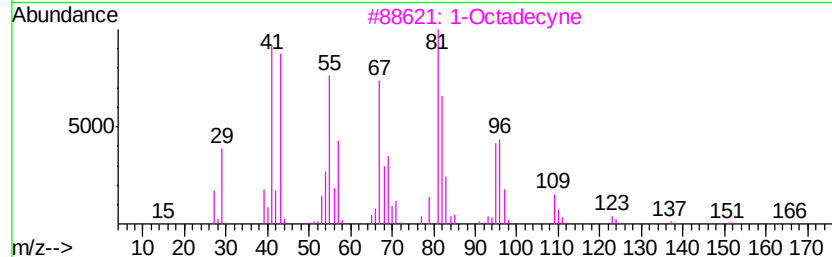
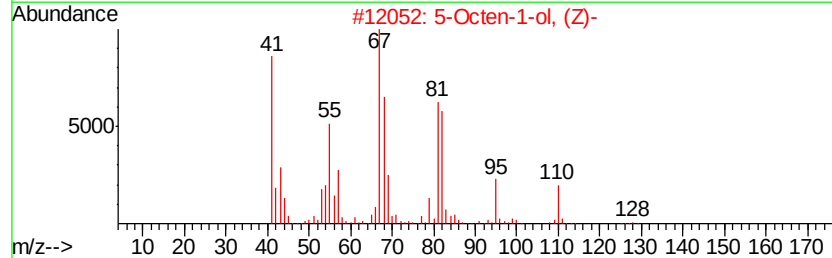
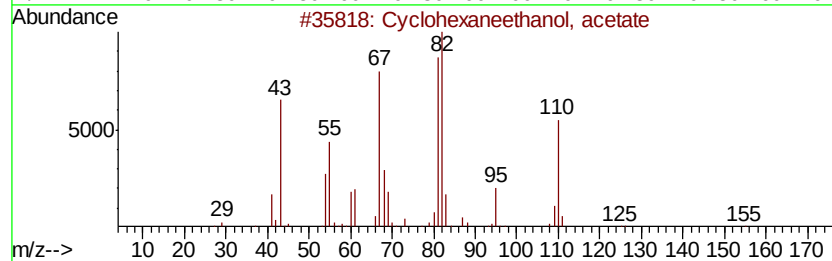
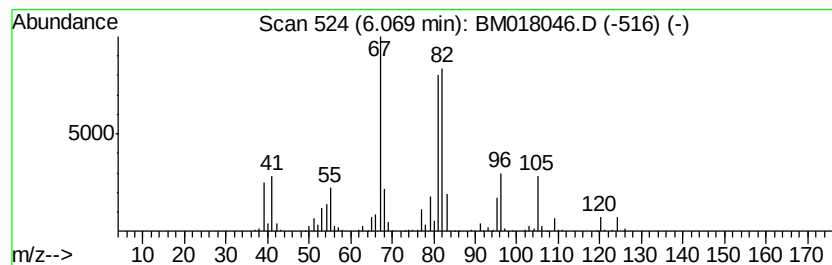
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Cyclohexaneethanol, acetate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	22.16 ng/ul	1260900	1,4-Dichlorobenzene-d4	7.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexaneethanol, acetate	170	C10H18O2	021722-83-8	53
2		5-Octen-1-ol, (Z)-	128	C8H16O	064275-73-6	53
3		1-Octadecyne	250	C18H34	000629-89-0	50
4		4-Octyne, 2-methyl-	124	C9H16	010306-94-2	46
5		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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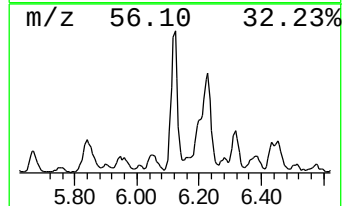
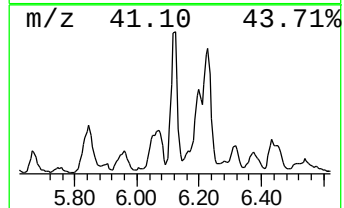
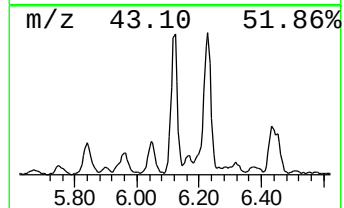
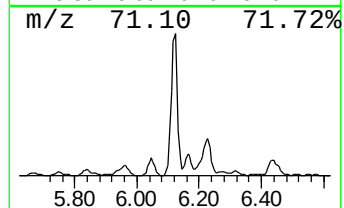
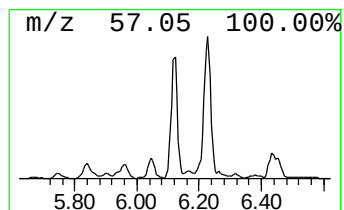
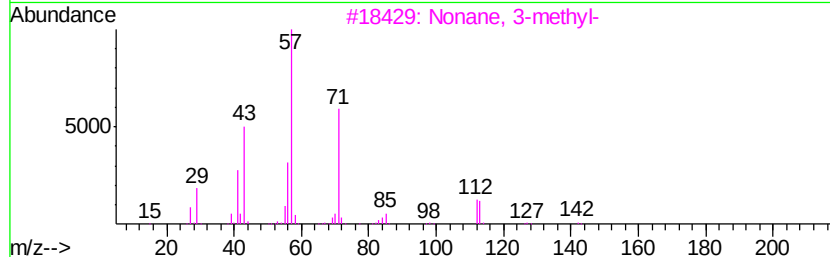
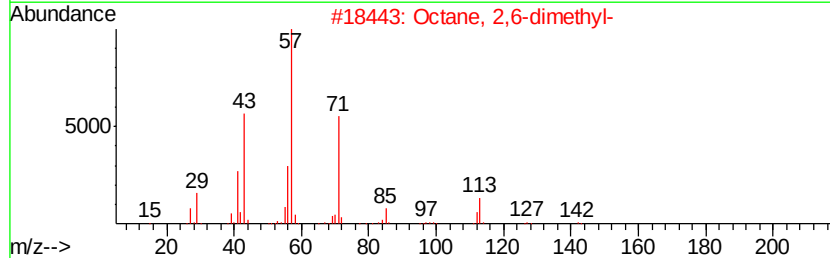
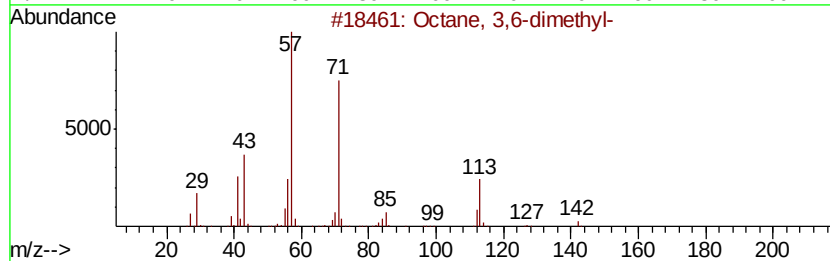
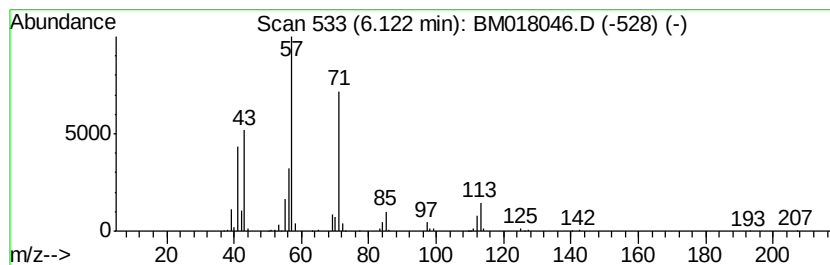
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	23.15 ng/ul	1317580	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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Instrument :
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ClientSampleId :
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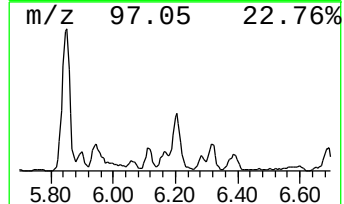
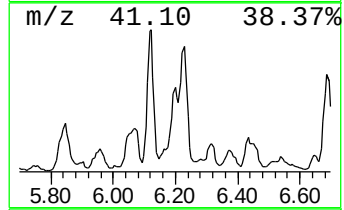
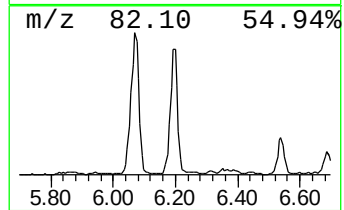
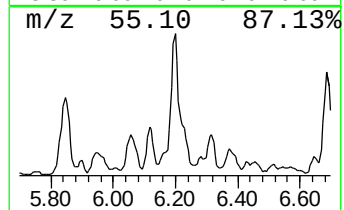
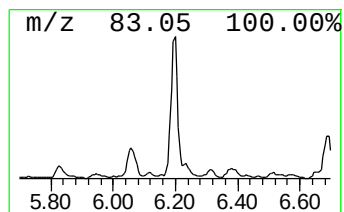
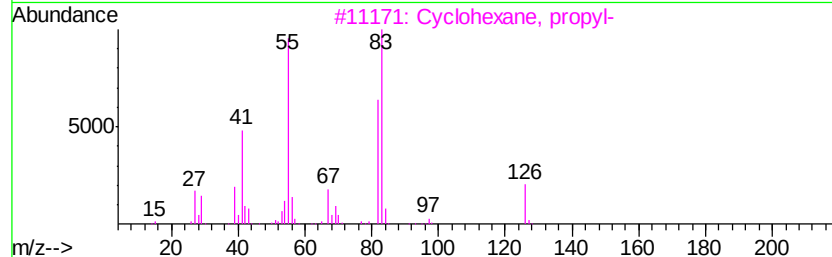
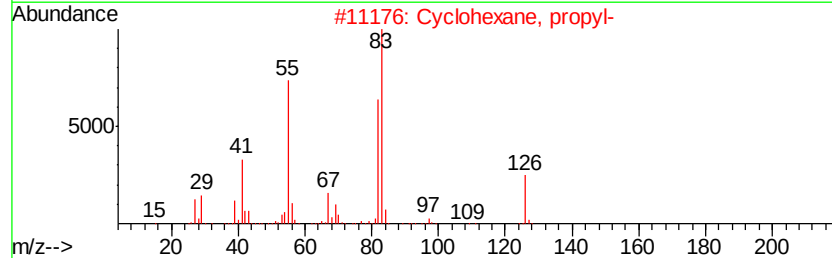
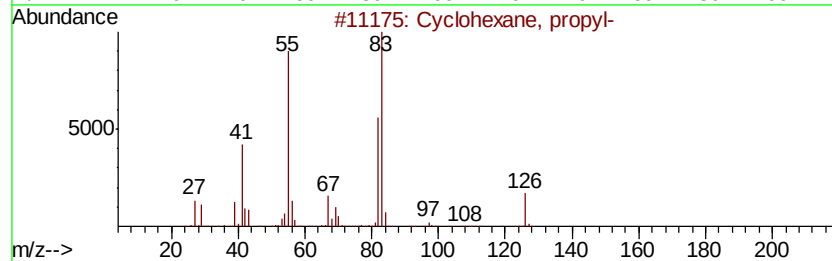
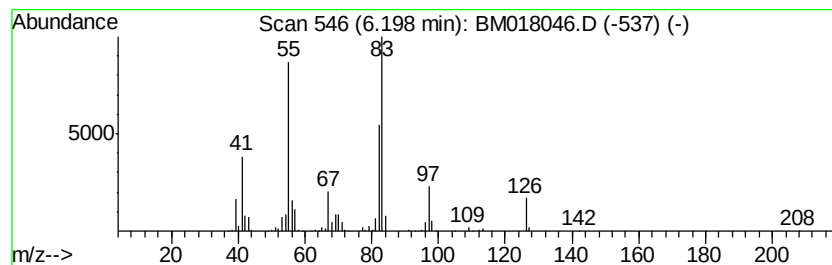
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Cyclic6.20 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	22.81 ng/ul	1298210	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	94
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	76
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	68
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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Misc :
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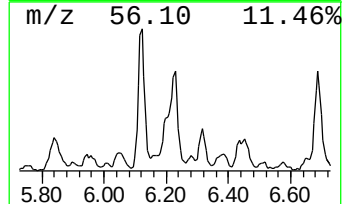
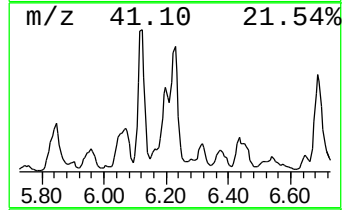
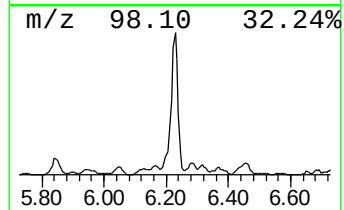
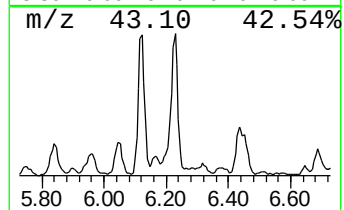
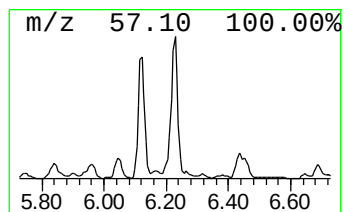
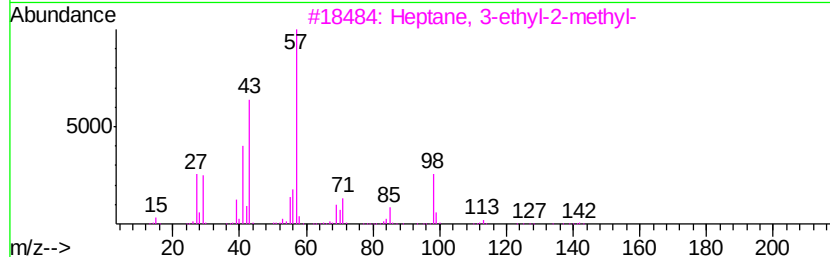
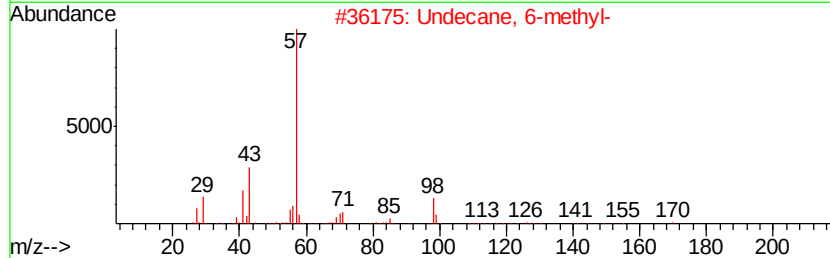
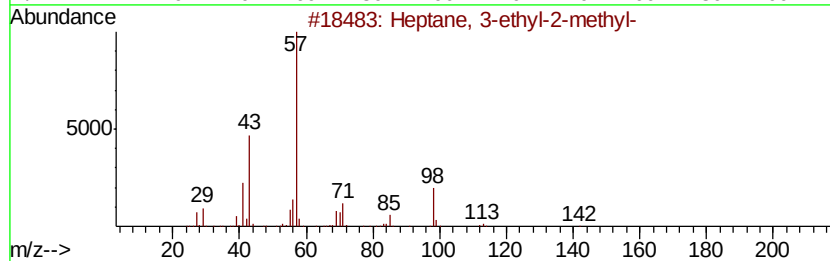
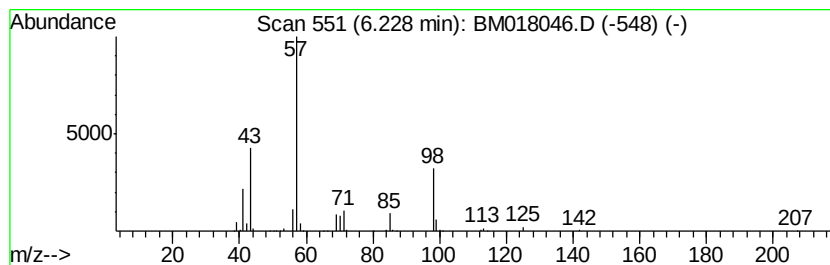
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	22.20 ng/ul	1263150	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2		Undecane, 6-methyl-	170	C12H26	017302-33-9	64
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	58
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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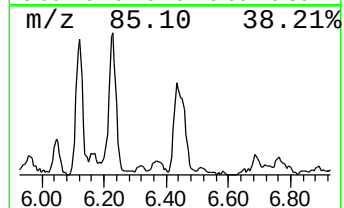
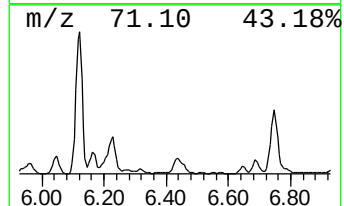
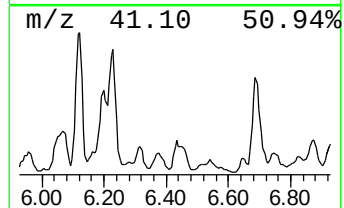
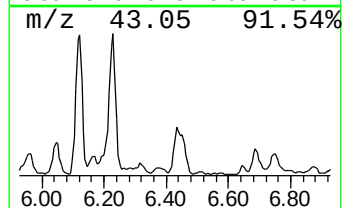
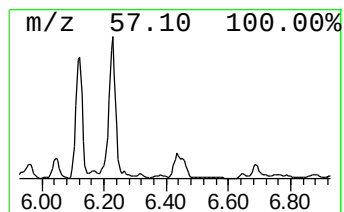
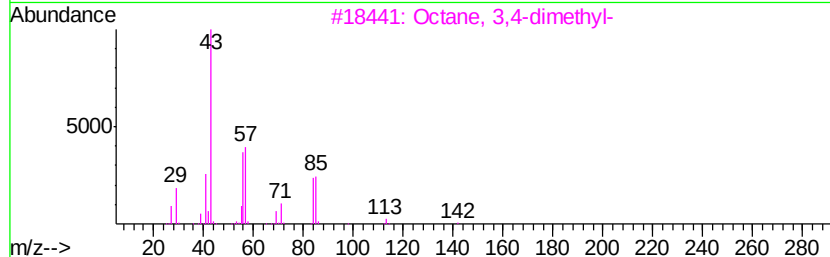
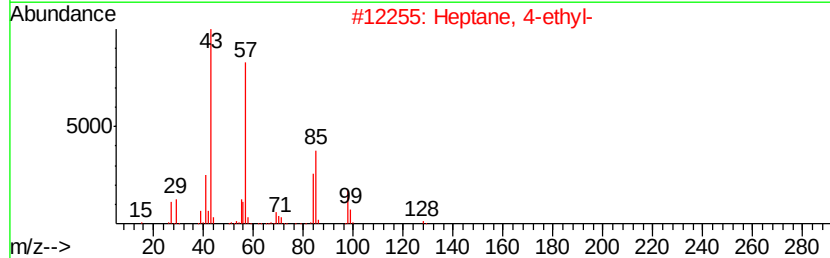
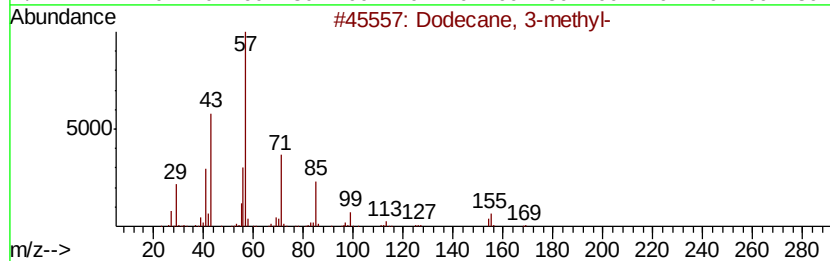
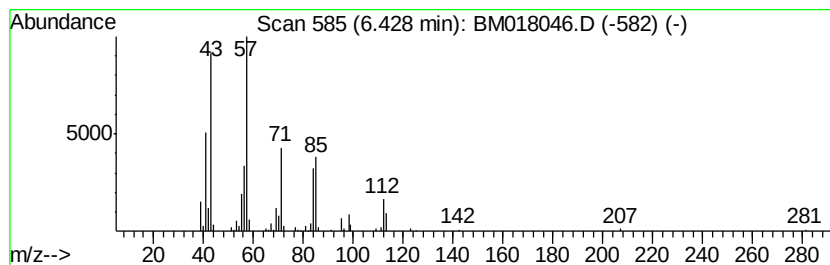
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	9.37 ng/ul	533005	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	52
3		Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	49
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
5		Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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ClientSampleId :
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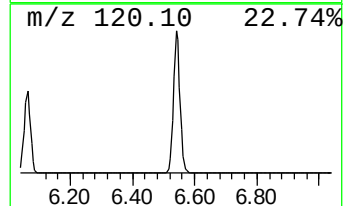
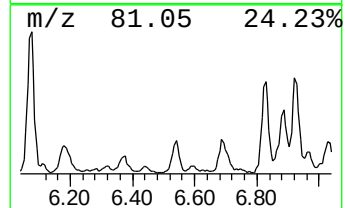
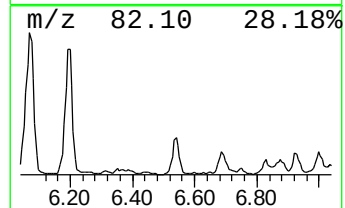
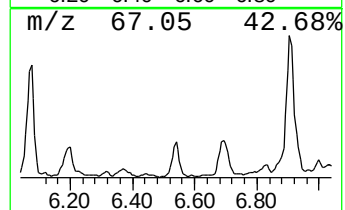
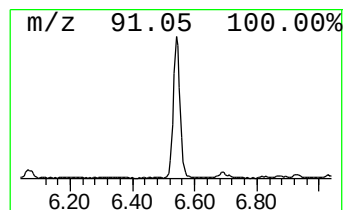
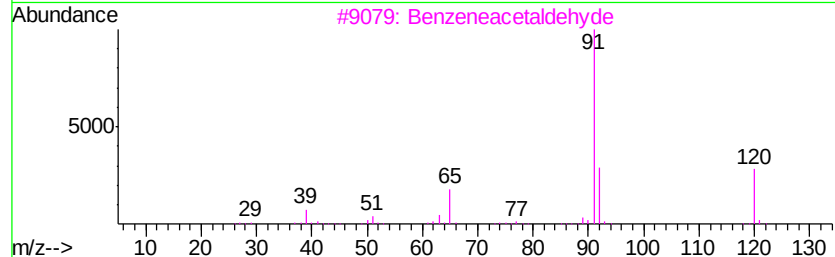
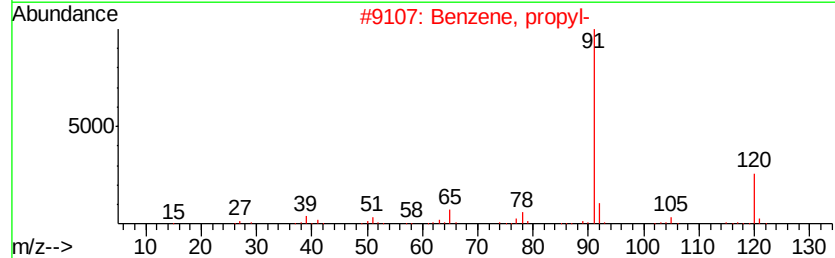
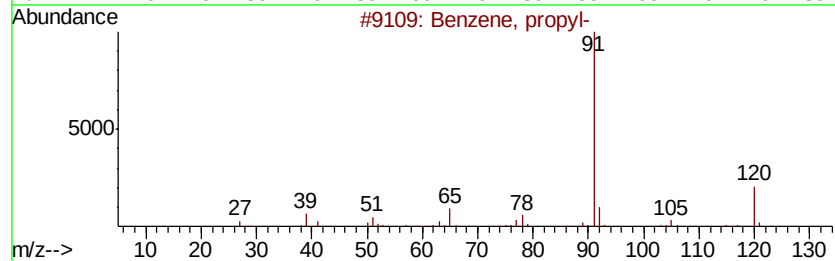
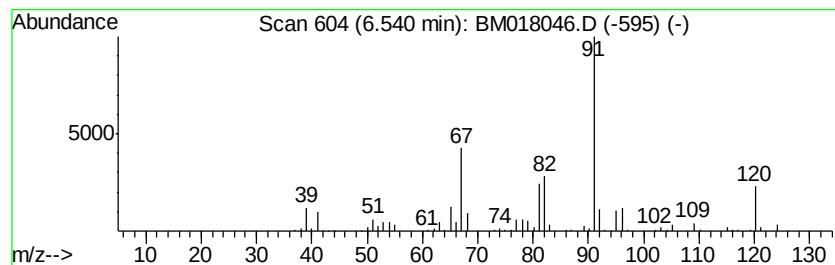
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	12.41 ng/ul	705945	1,4-Dichlorobenzene-d4	7.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	35
2			Benzene, propyl-	120	C9H12	000103-65-1	18
3			Benzeneacetaldehyde	120	C8H8O	000122-78-1	15
4			1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	14
5			N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

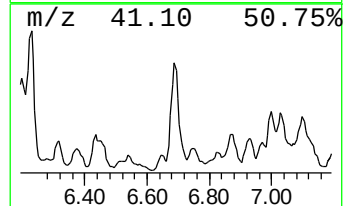
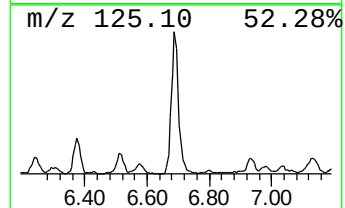
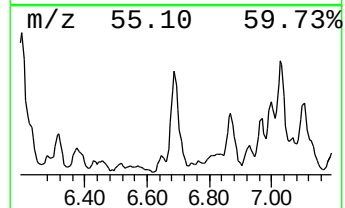
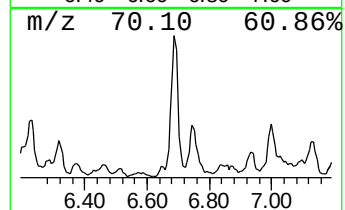
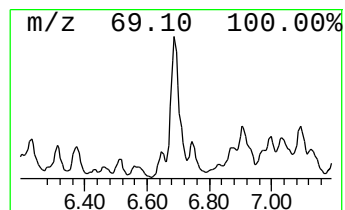
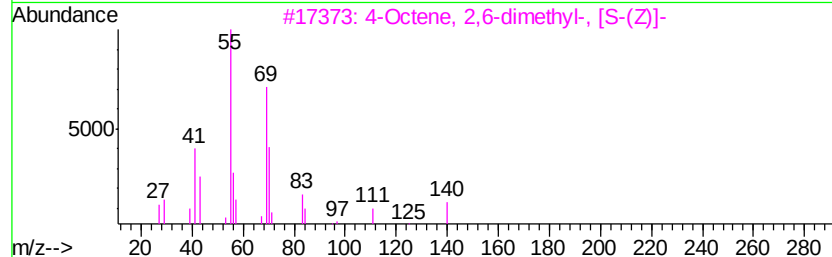
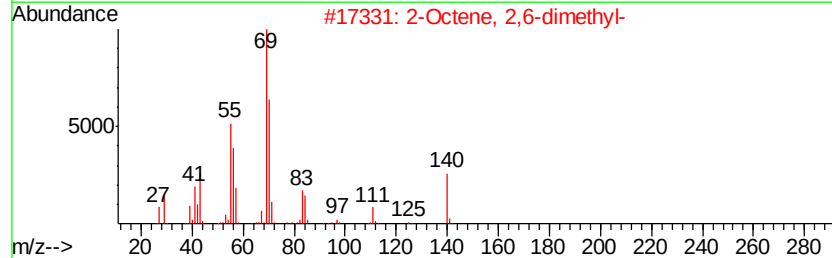
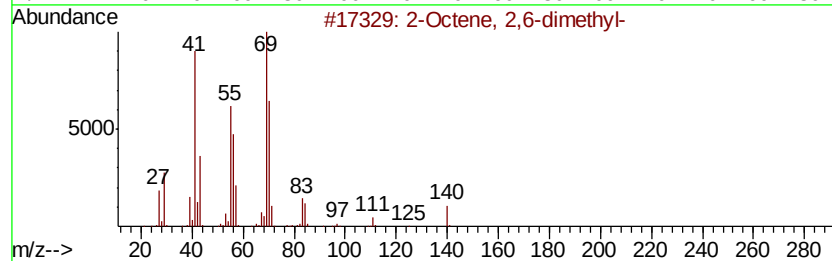
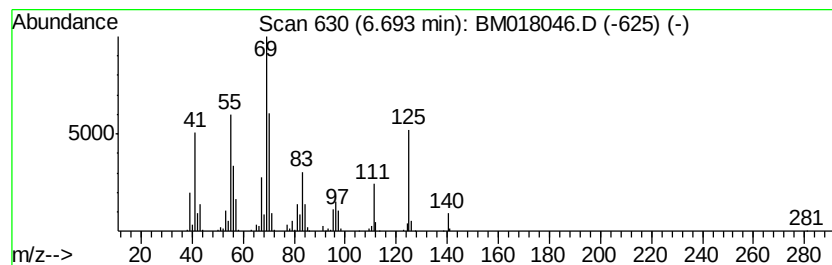
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Cyclic6.69 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	24.79 ng/ul	1410930	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	62
4		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	46
5		3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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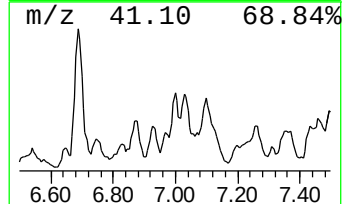
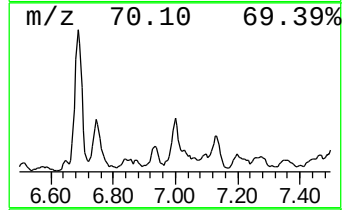
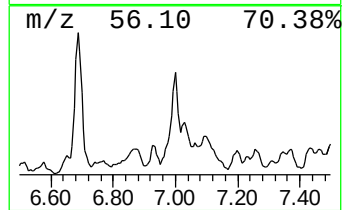
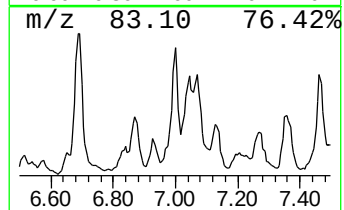
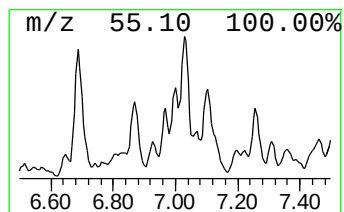
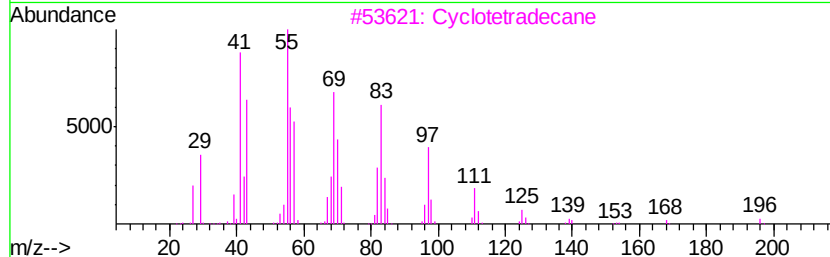
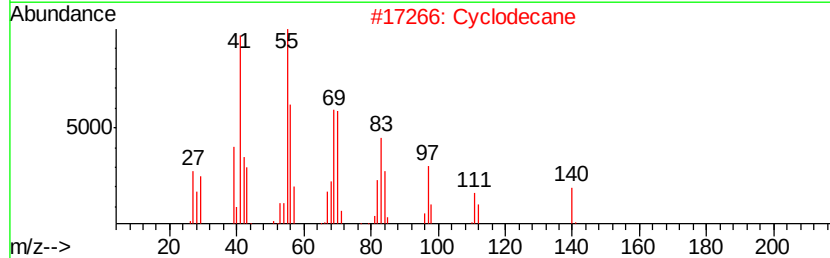
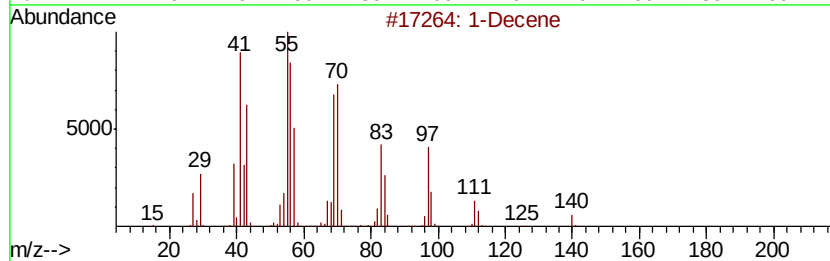
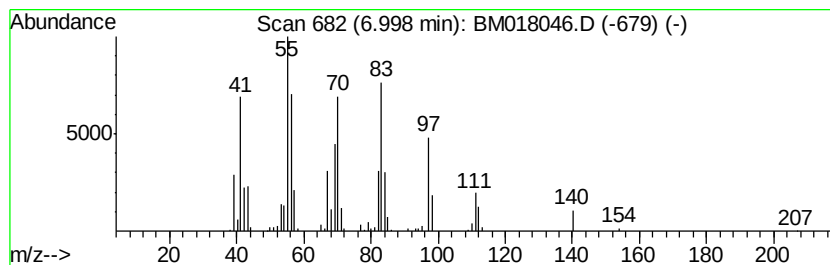
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Cyclic7.00 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	8.44 ng/ul	480479	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Decene	140	C10H20	000872-05-9	93
2		Cyclodecane	140	C10H20	000293-96-9	91
3		Cyclotetradecane	196	C14H28	000295-17-0	90
4		Cyclodecane	140	C10H20	000293-96-9	87
5		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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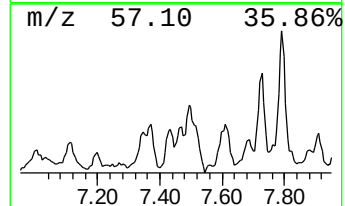
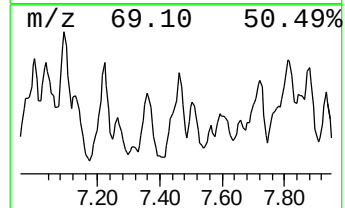
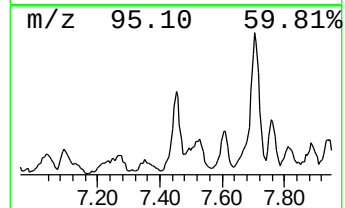
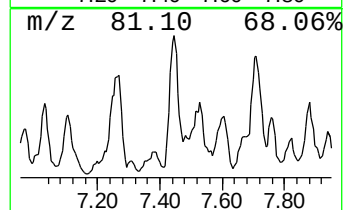
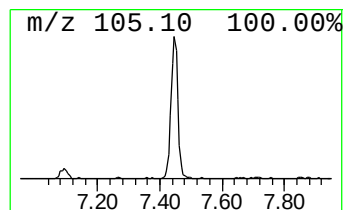
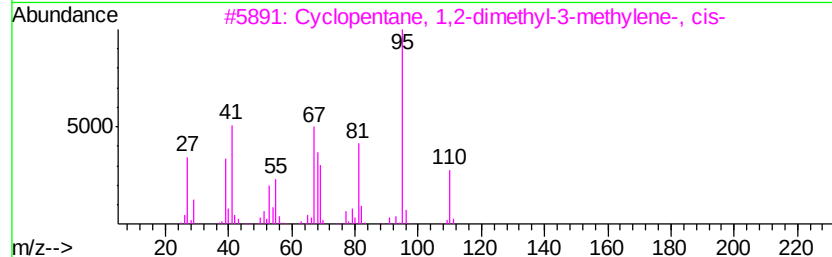
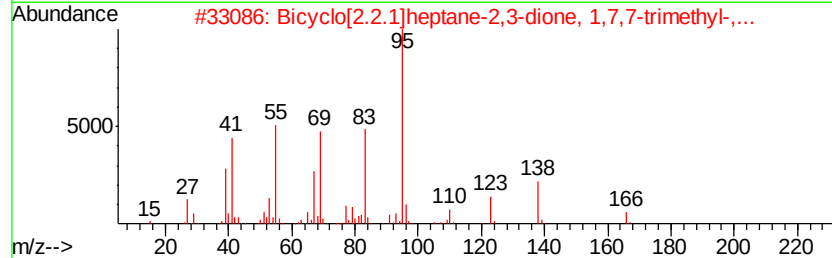
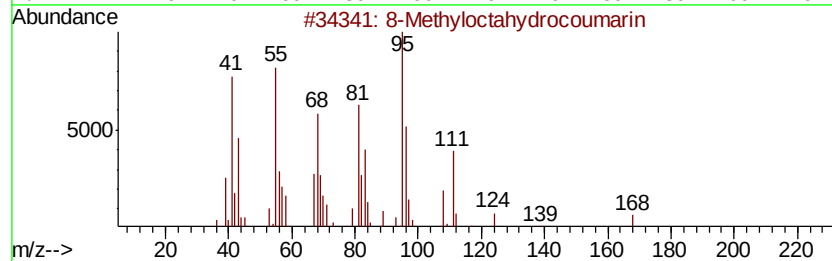
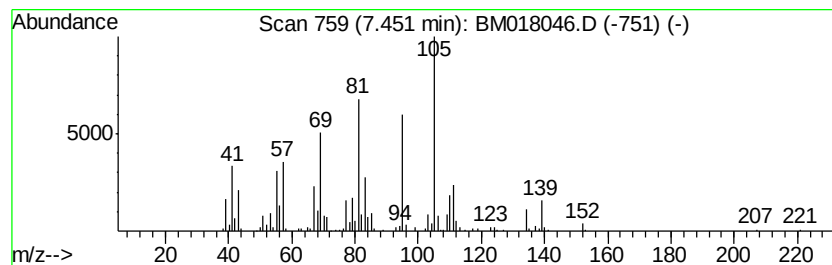
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	16.57 ng/ul	942980	1,4-Dichlorobenzene-d4	7.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Methyloctahydrocoumarin	168	C10H16O2	021197-56-8	37
2			Bicyclo[2.2.1]heptane-2,3-dione,...	166	C10H14O2	002767-84-2	32
3			Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	27
4			1,3-Hexadiene, 2,5-dimethyl-	110	C8H14	029253-64-3	27
5			Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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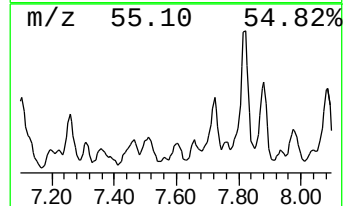
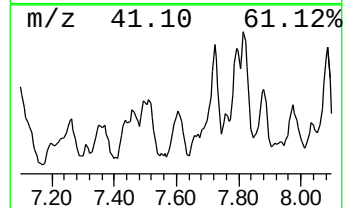
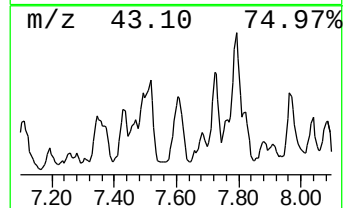
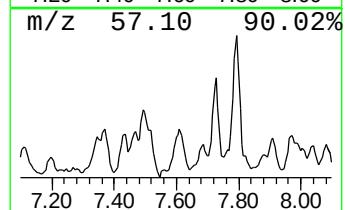
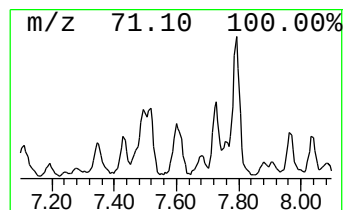
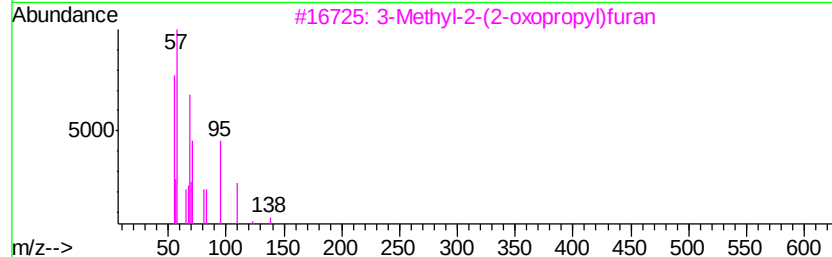
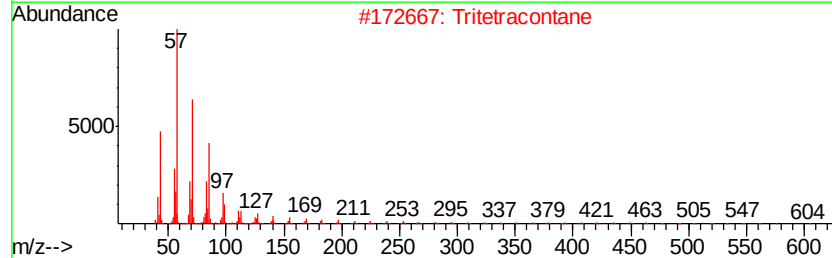
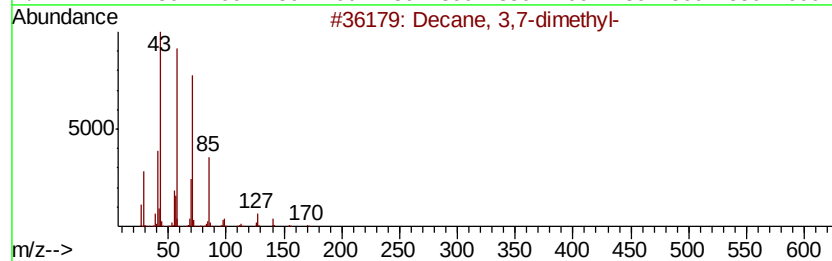
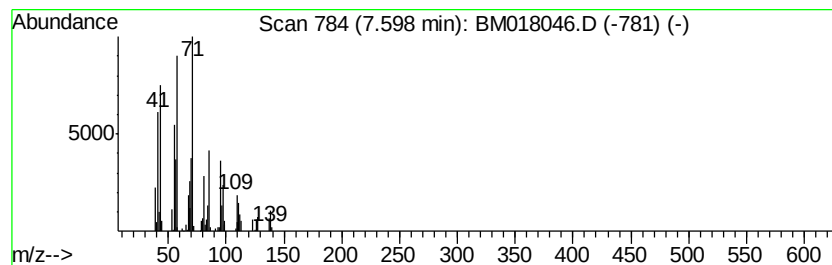
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	8.41 ng/ul	478398	1,4-Dichlorobenzene-d4	7.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	43
2			Tritetracontane	605	C43H88	007098-21-7	43
3			3-Methyl-2-(2-oxopropyl)furan	138	C8H10O2	087773-62-4	43
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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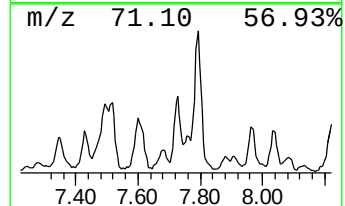
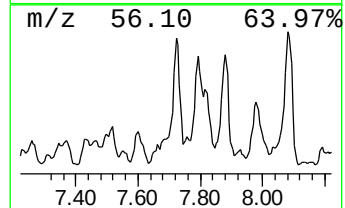
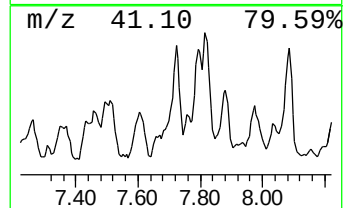
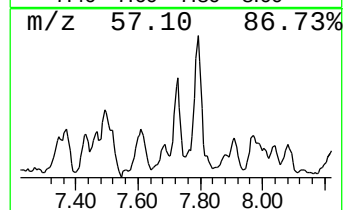
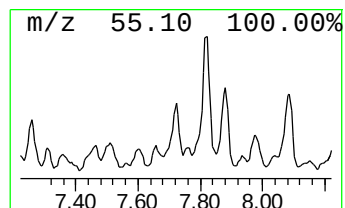
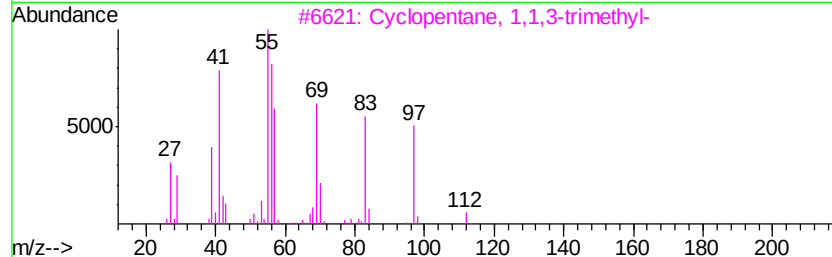
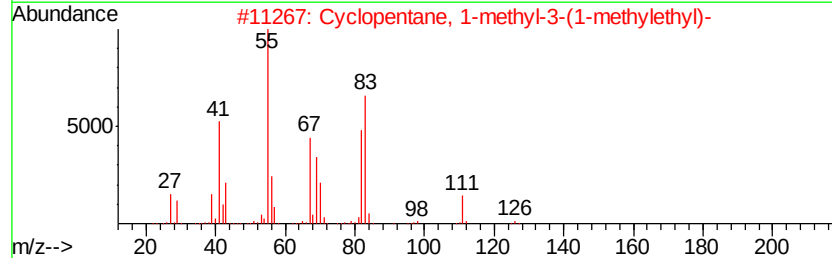
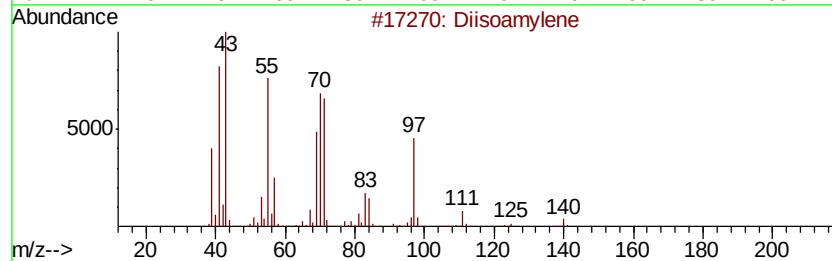
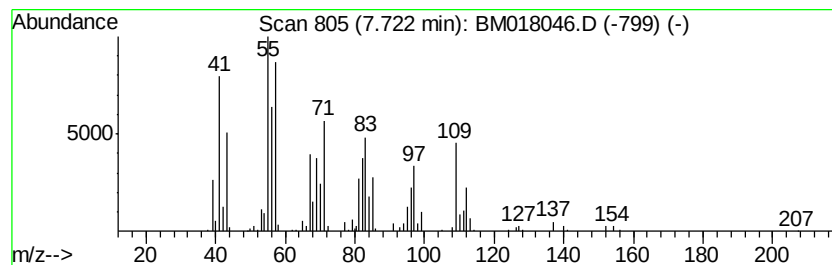
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	15.83 ng/ul	900669	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diisoamylene	140	C10H20	054063-09-1	25
2		Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	25
3		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	22
4		Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	20
5		7-Oxabicyclo[4.1.0]heptane, 1-me...	112	C7H12O	001713-33-3	20



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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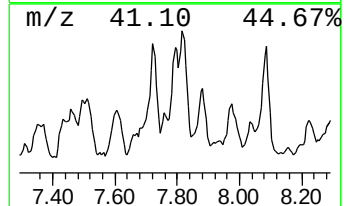
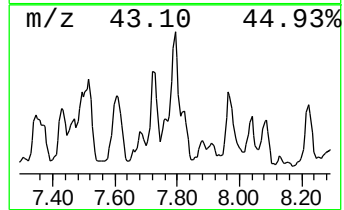
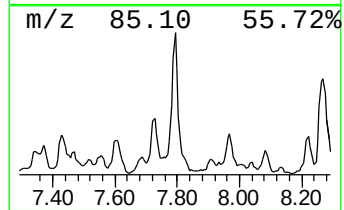
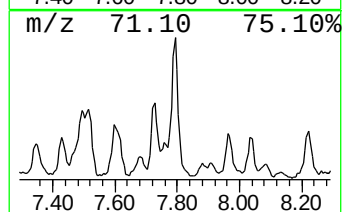
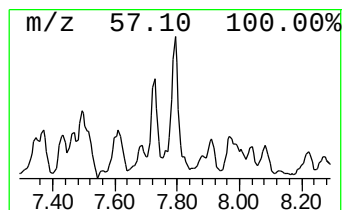
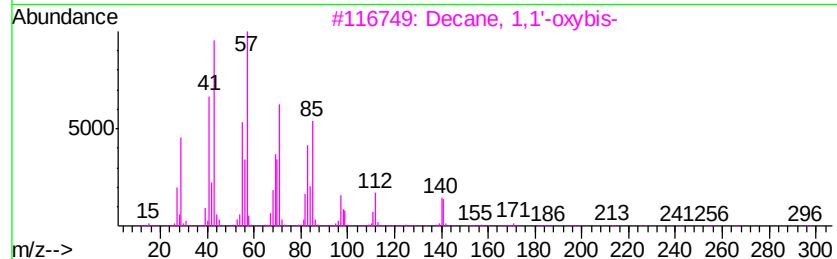
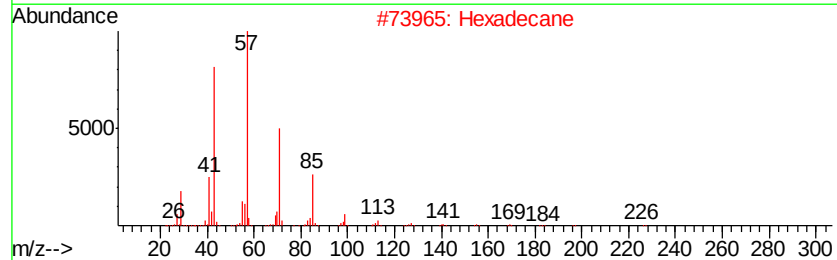
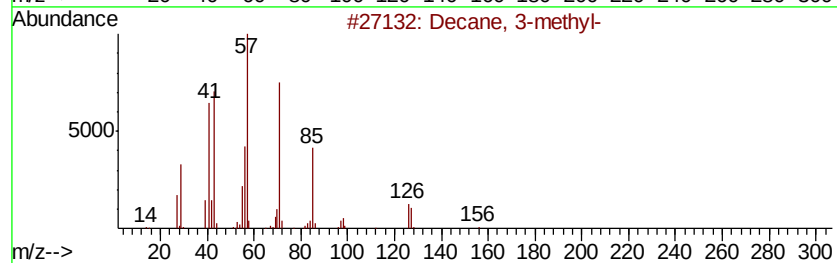
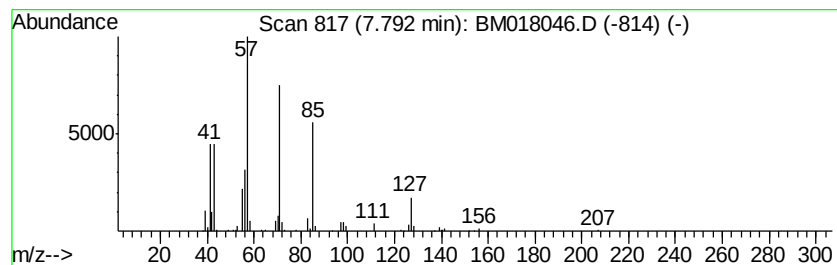
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	10.05 ng/ul	571634	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2		Hexadecane	226	C16H34	000544-76-3	72
3		Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	72
4		Eicosane	282	C20H42	000112-95-8	72
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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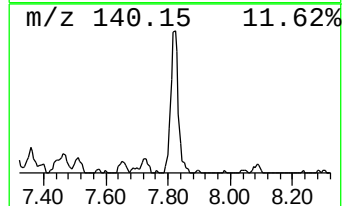
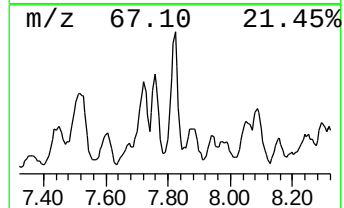
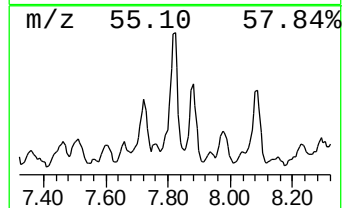
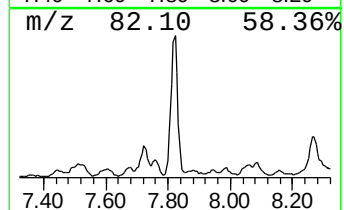
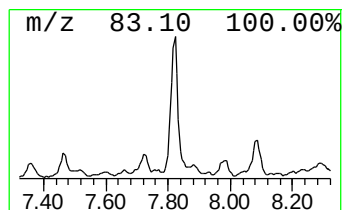
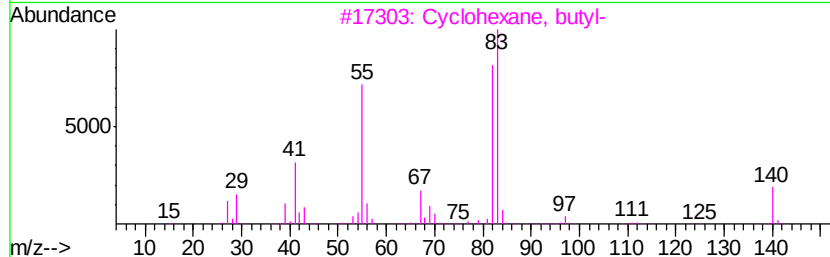
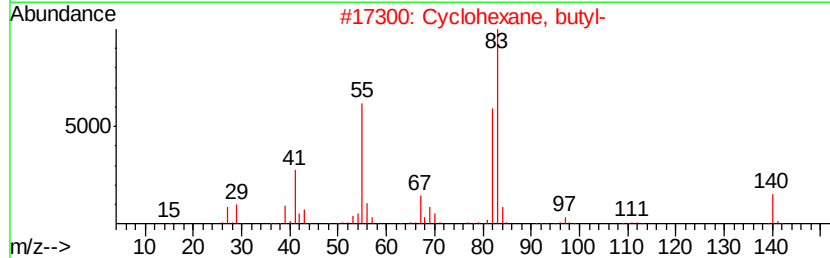
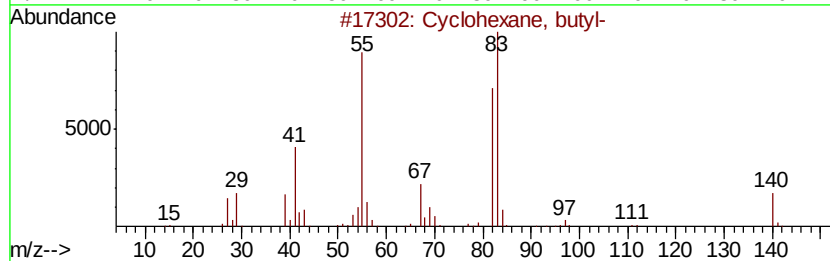
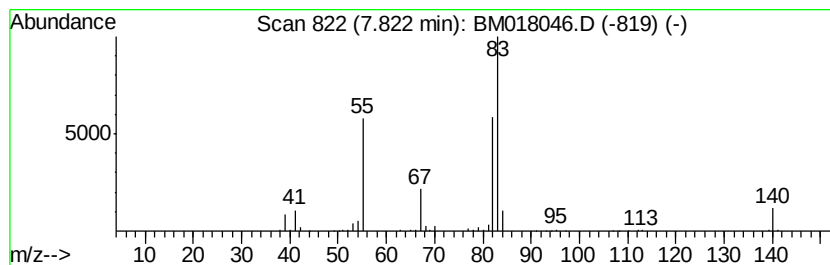
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 (DEL) Alkane: Cyclic7.82 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	15.22 ng/ul	866314	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	91
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	86
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	83
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
5		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

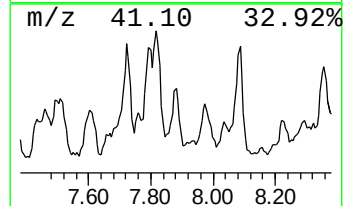
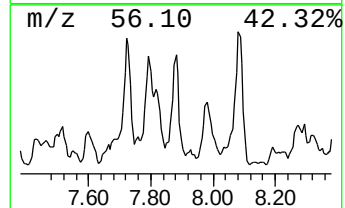
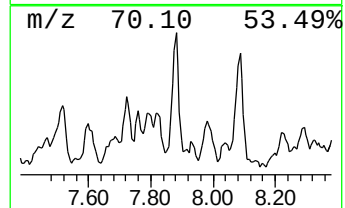
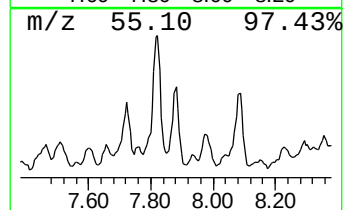
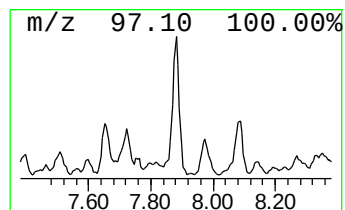
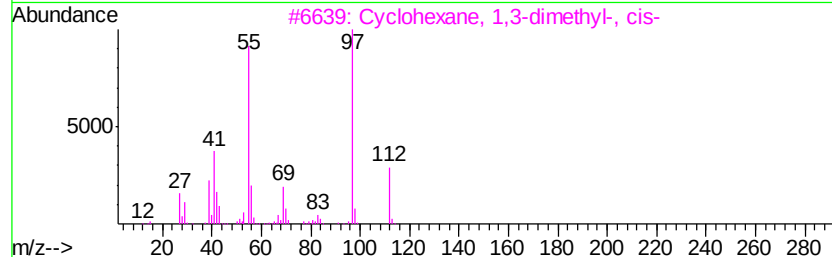
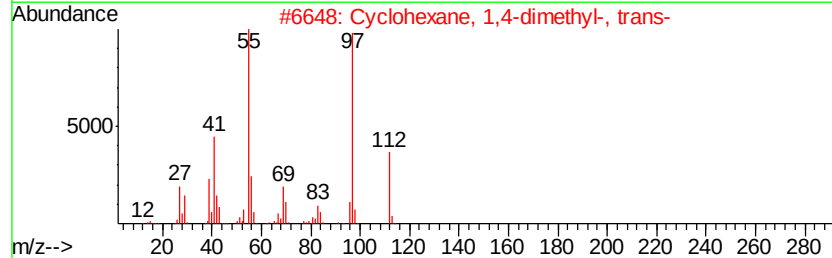
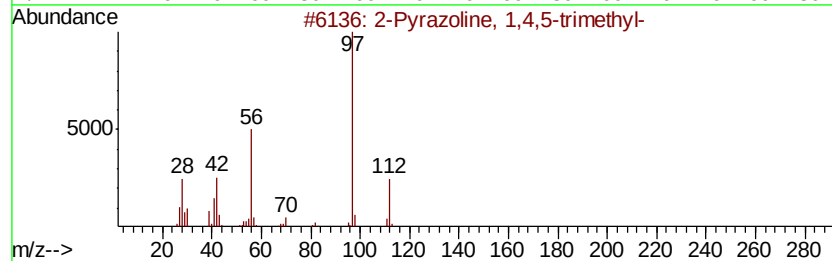
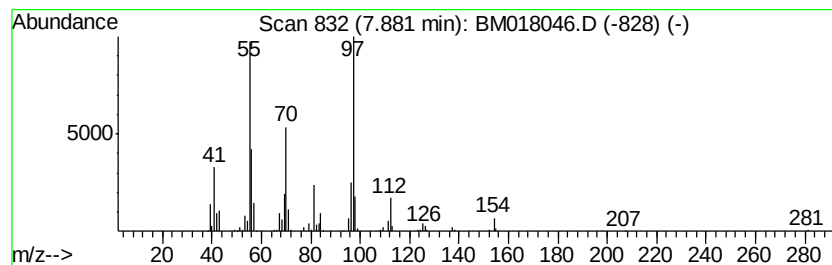
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 unknown-04 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	8.43 ng/ul	479936	1,4-Dichlorobenzene-d4	7.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pyrazoline, 1,4,5-trimethyl-	112	C6H12N2	007423-11-2	49
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	47
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43
4			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	43
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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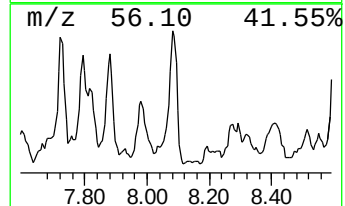
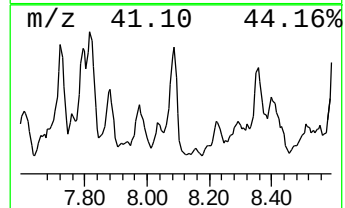
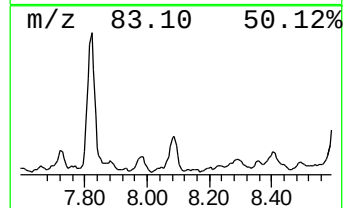
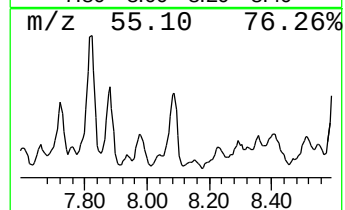
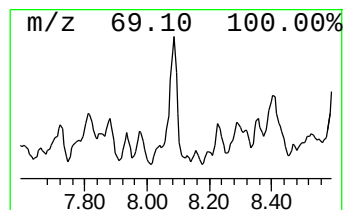
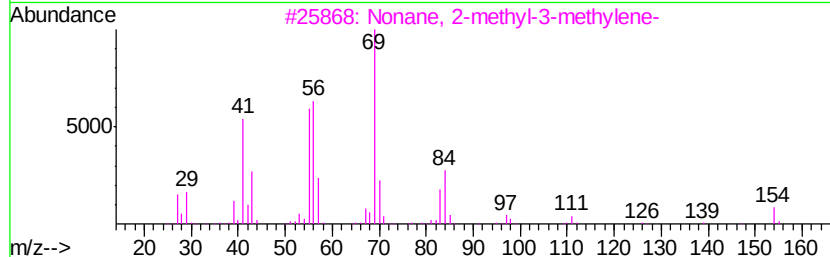
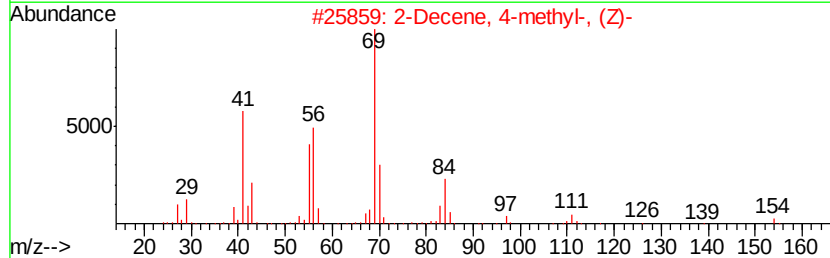
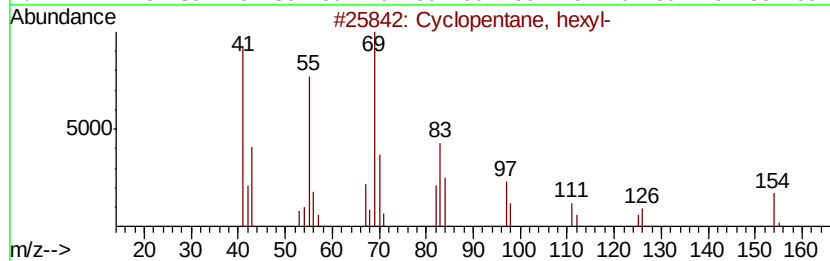
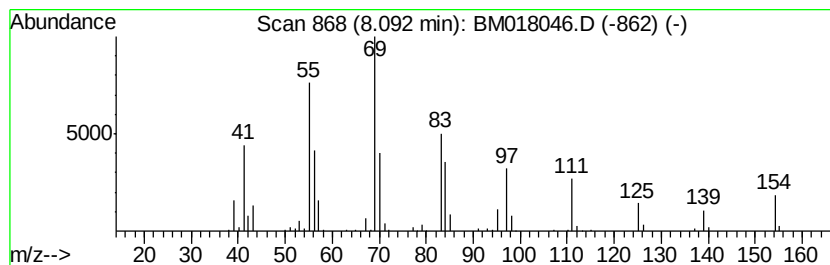
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Cyclic8.09 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	16.71 ng/ul	950810	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, hexyl-	154	C11H22	004457-00-5	59
2		2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	58
3		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	50
4		2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	50
5		4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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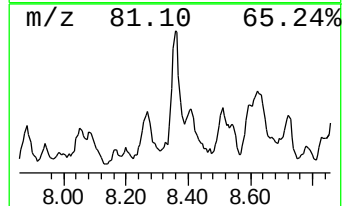
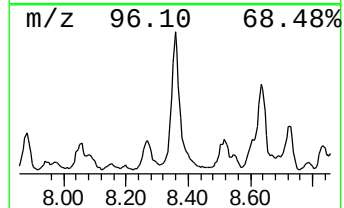
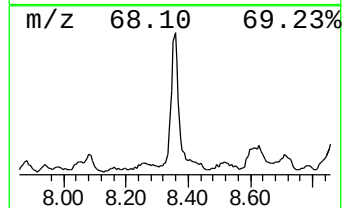
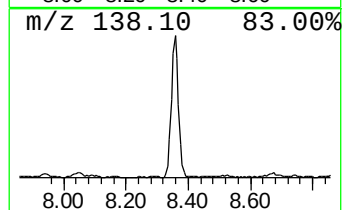
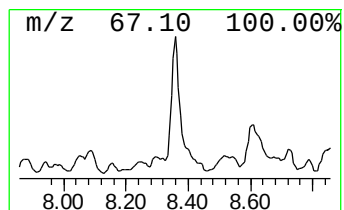
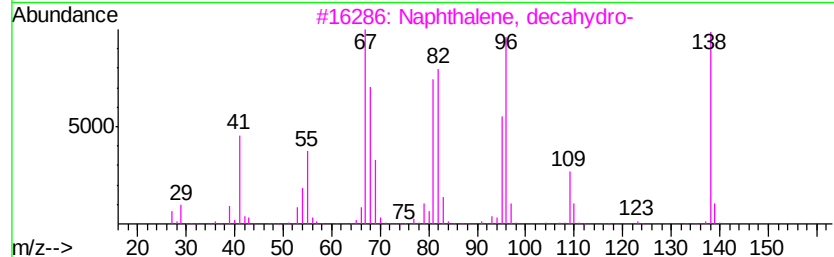
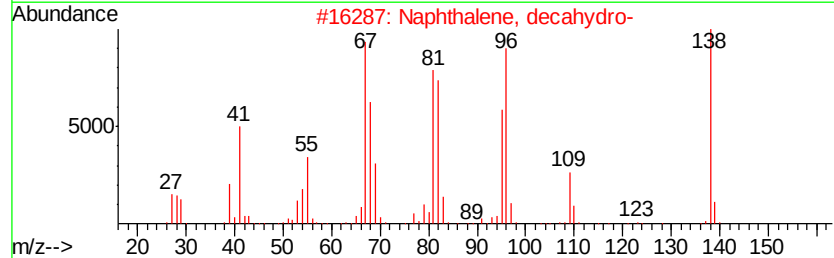
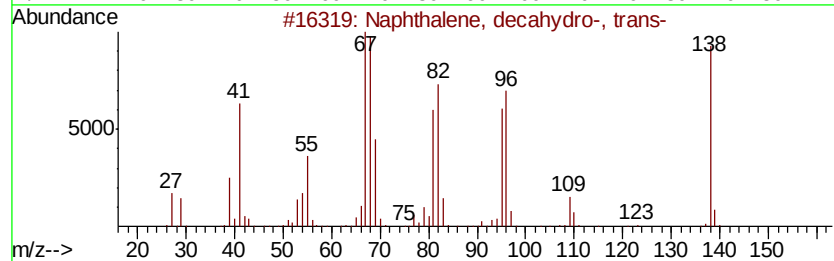
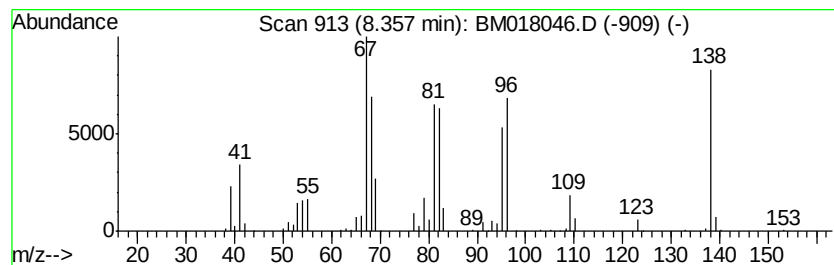
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Naphthalene, decahydro-, tr... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	14.26 ng/ul	811480	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	95
3		Naphthalene, decahydro-	138	C10H18	000091-17-8	93
4		Naphthalene, decahydro-	138	C10H18	000091-17-8	93
5		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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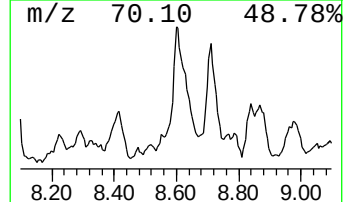
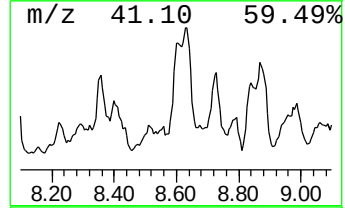
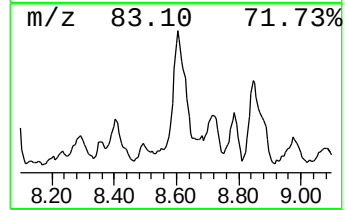
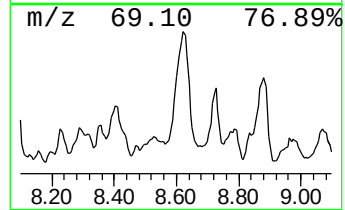
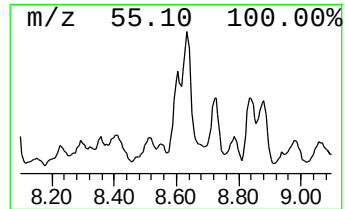
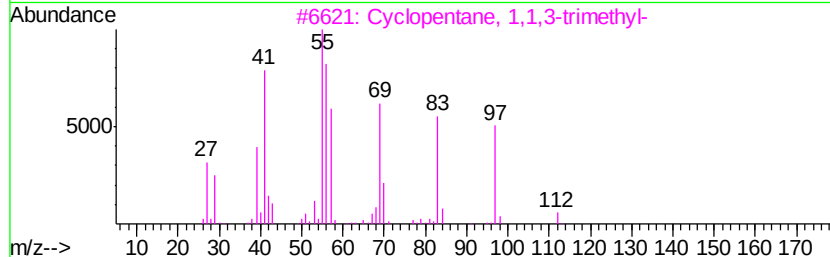
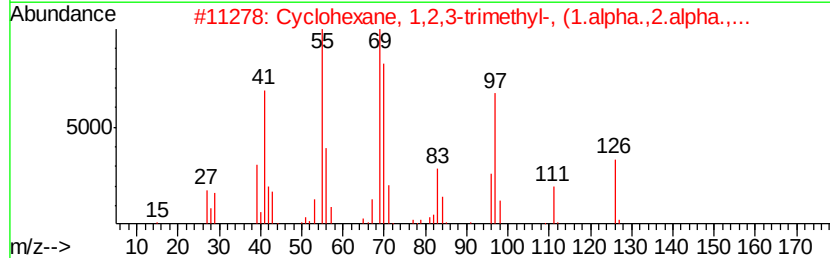
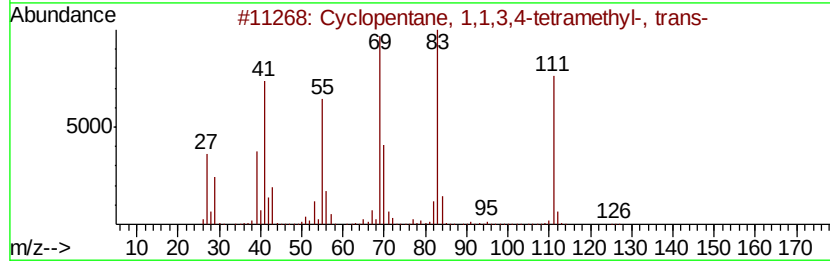
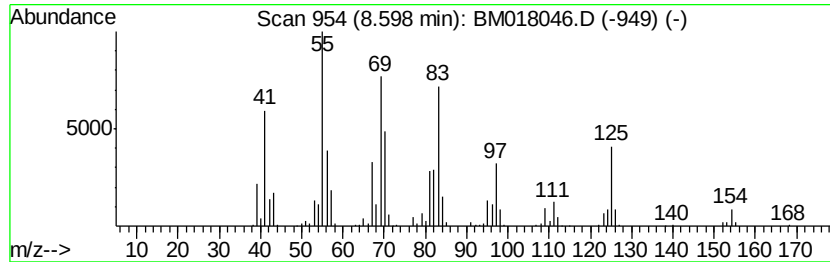
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Cyclic8.60 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	16.18 ng/ul	920916	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1,3,4-tetramethyl...	126	C9H18	020309-77-7	50
2		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001839-88-9	49
3		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	46
4		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	46
5		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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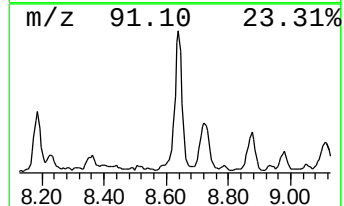
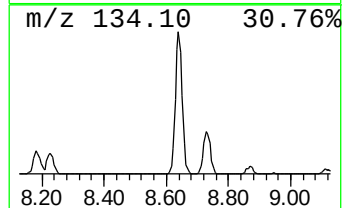
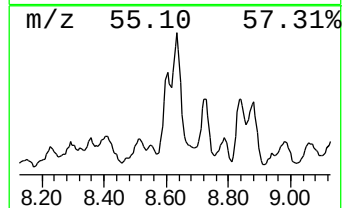
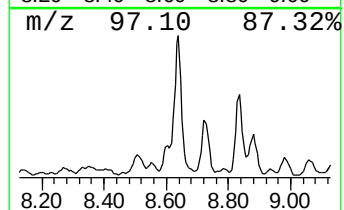
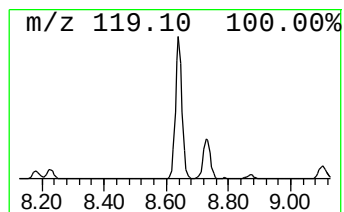
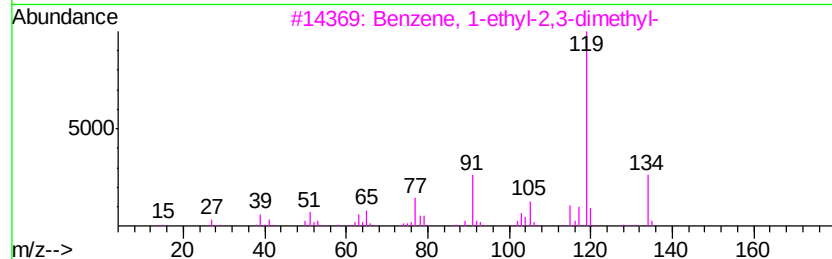
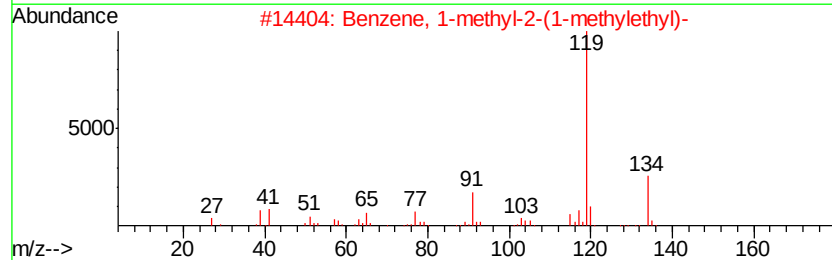
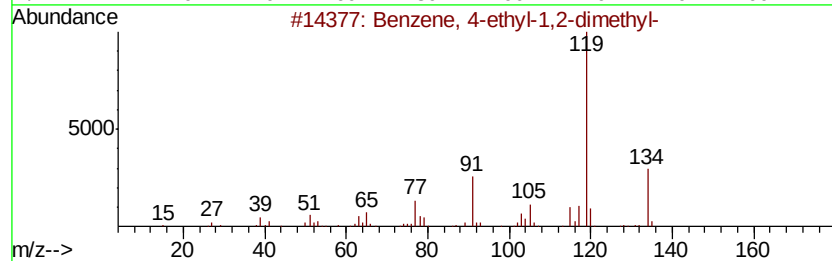
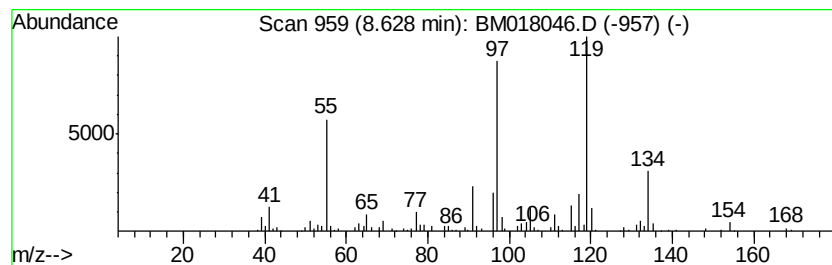
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	35.14 ng/ul	1999540	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	86
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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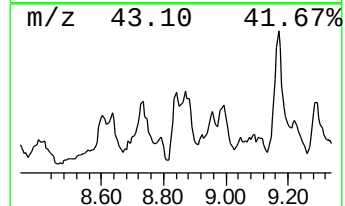
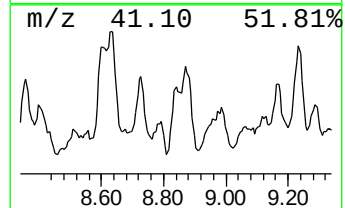
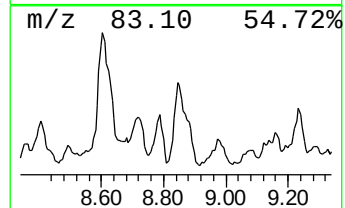
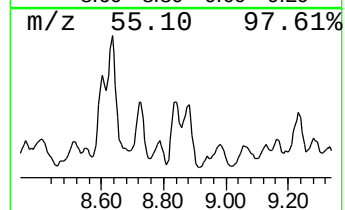
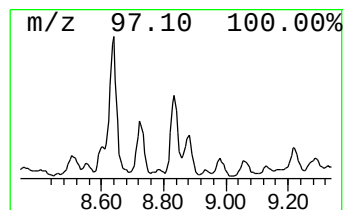
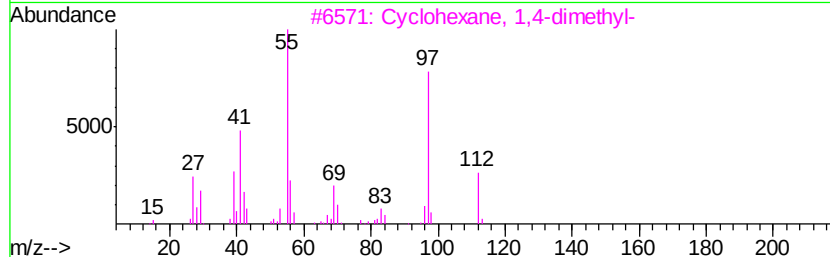
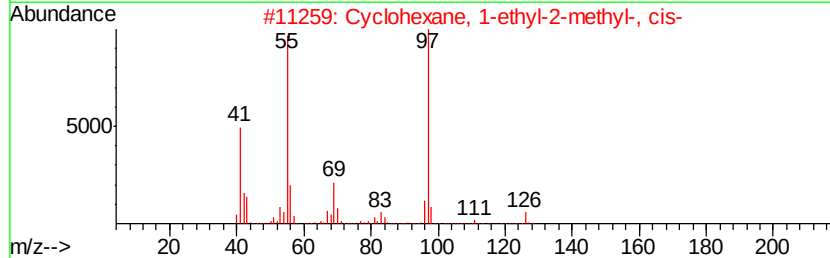
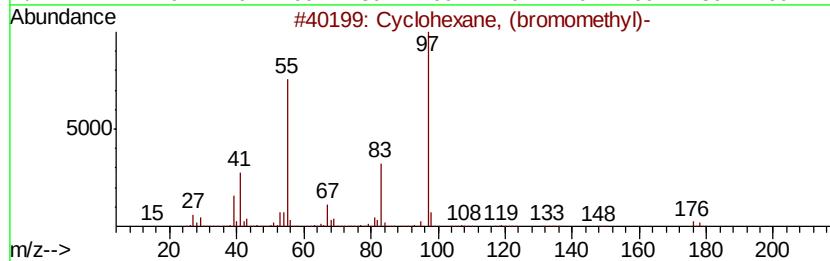
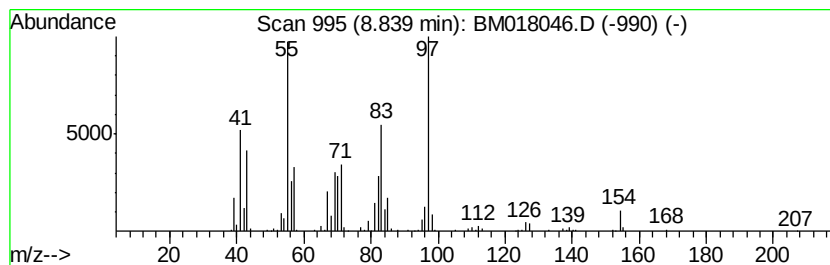
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Cyclic8.84 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	13.70 ng/ul	779729	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	47
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	38
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	38
4		1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	30
5		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F9Y04

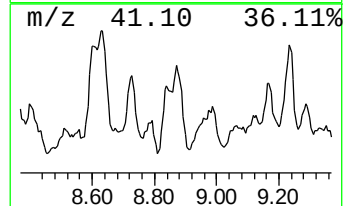
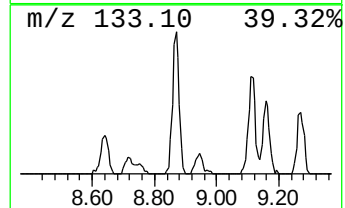
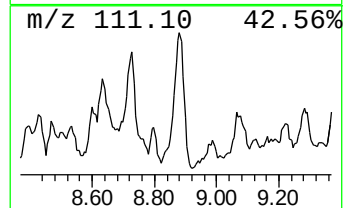
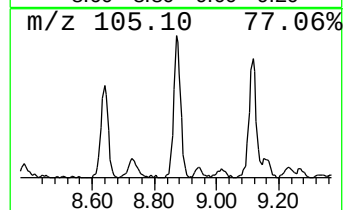
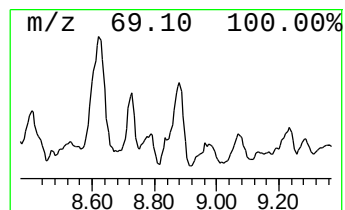
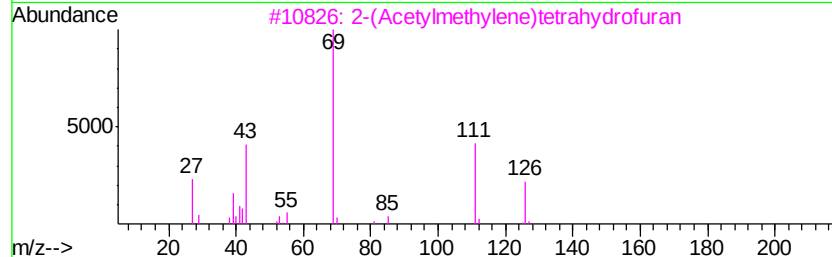
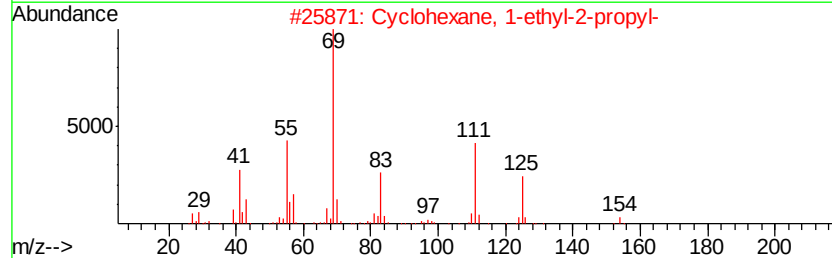
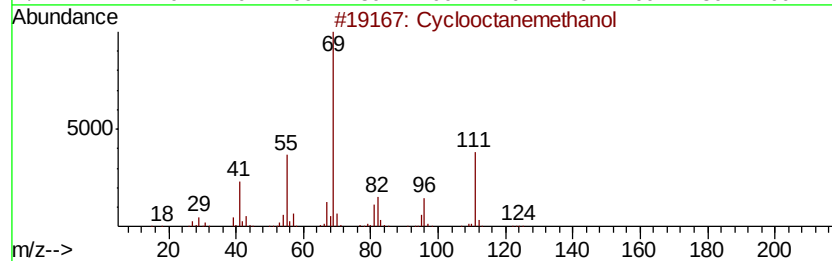
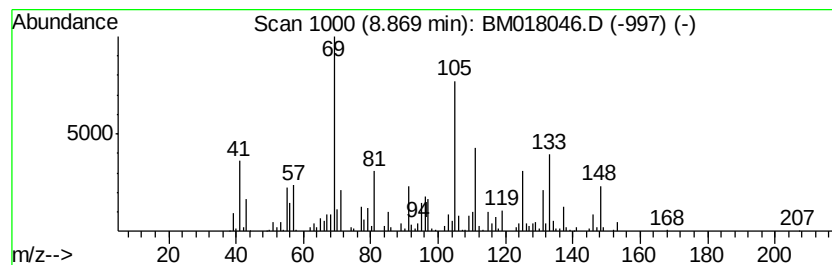
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 unknown-05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	23.49 ng/ul	1336860	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctanemethanol	142	C9H18O	003637-63-6	38
2		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
3		2-(Acetylmethylene)tetrahydrofuran	126	C7H10O2	112595-65-0	35
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	35
5		1-Pentyne, 3-methyl-3-(1-methyle...)	140	C9H16O	053966-55-5	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

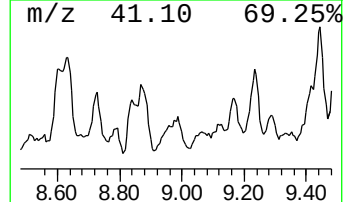
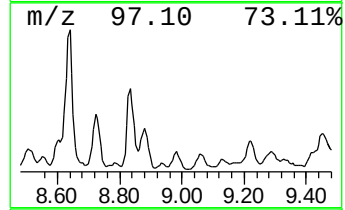
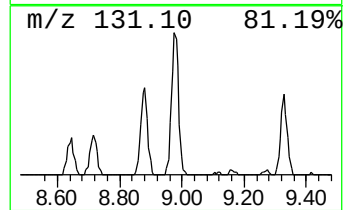
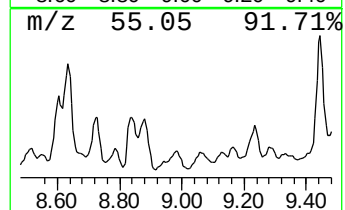
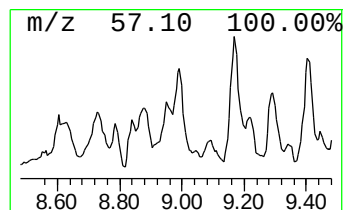
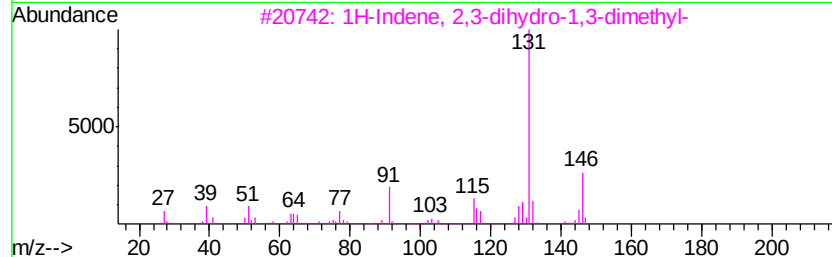
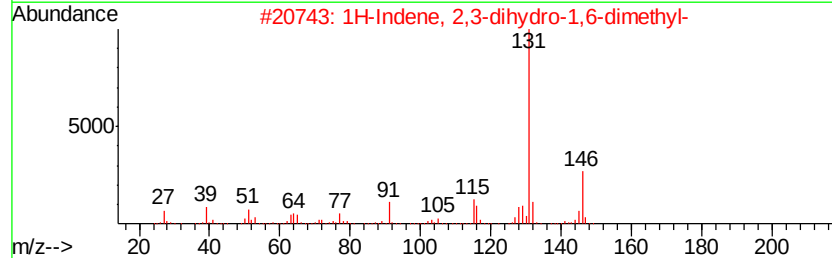
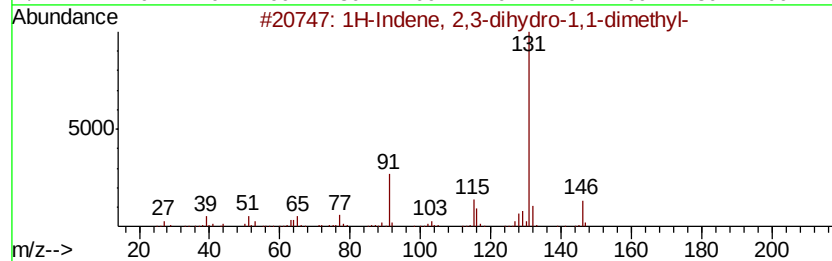
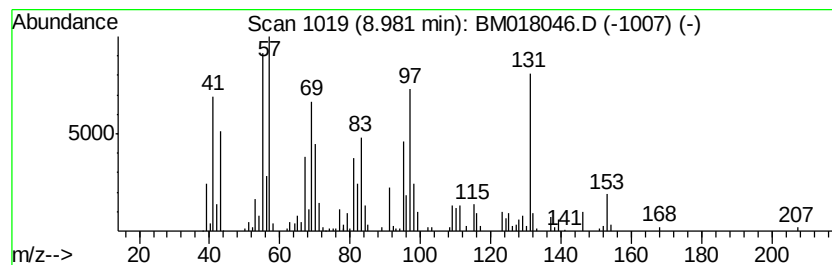
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	7.66 ng/ul	1032220	Naphthalene-d8	10.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	60
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	35
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	35
4			1H-Indene, 2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	20
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	20



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

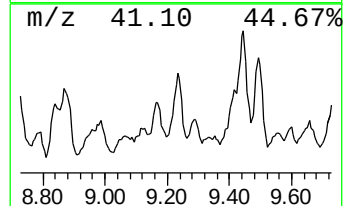
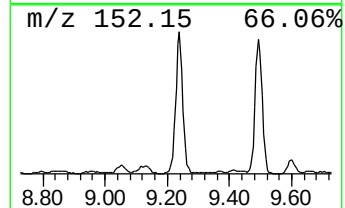
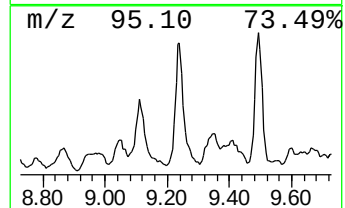
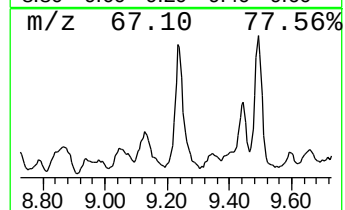
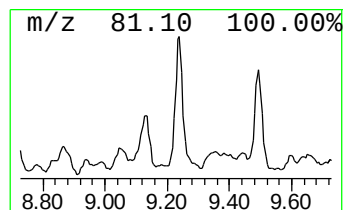
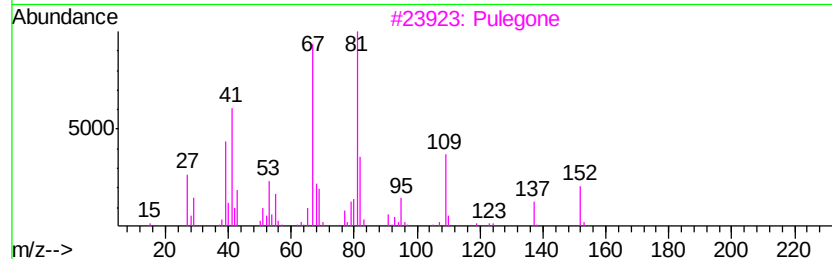
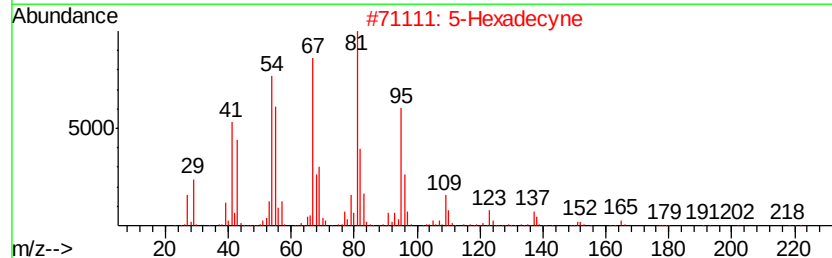
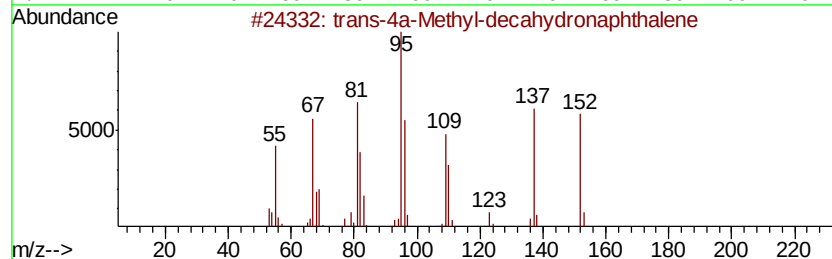
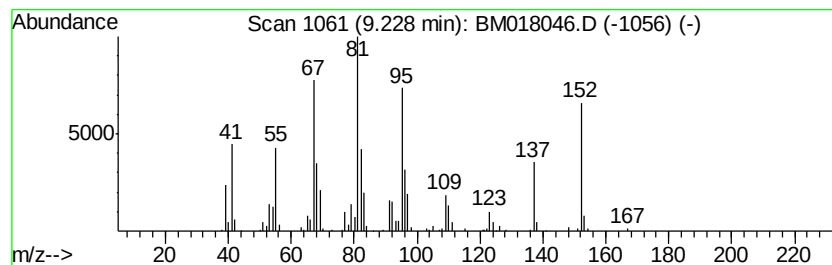
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 trans-4a-Methyl-decahydrona... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	9.49 ng/ul	1279230	Naphthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	93
2		5-Hexadecyne	222	C16H30	071899-37-1	83
3		Pulegone	152	C10H16O	000089-82-7	81
4		Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	76
5		Pulegone	152	C10H16O	000089-82-7	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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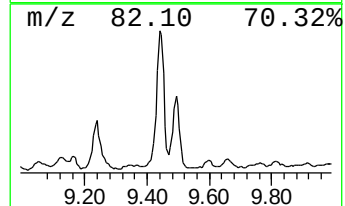
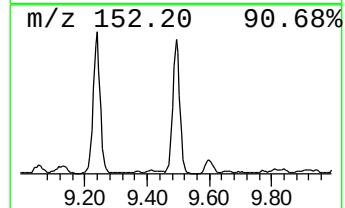
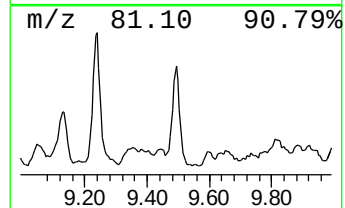
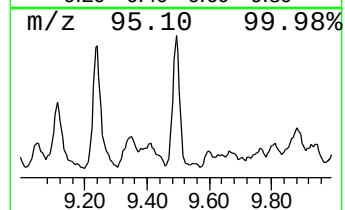
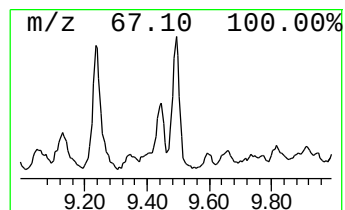
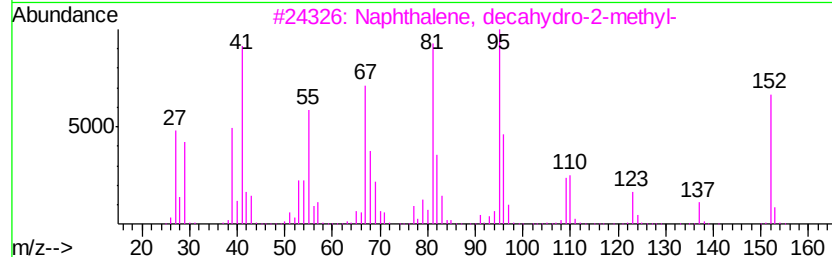
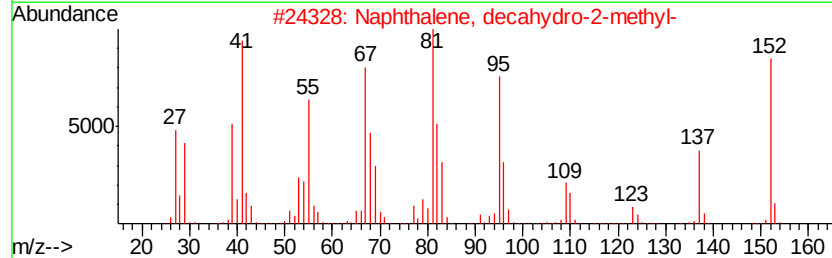
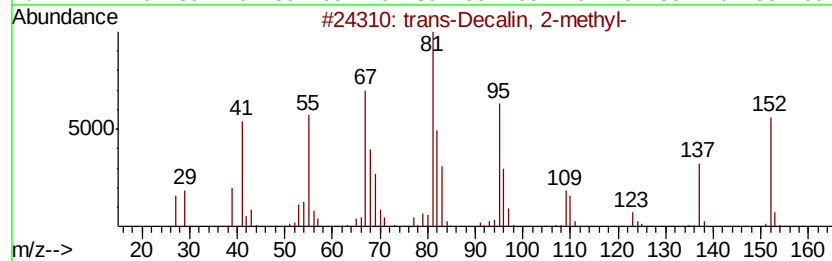
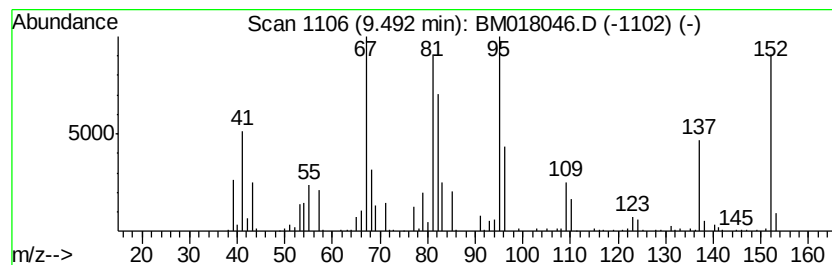
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 trans-Decalin, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	14.71 ng/ul	1983440	Naphthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
4		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
5		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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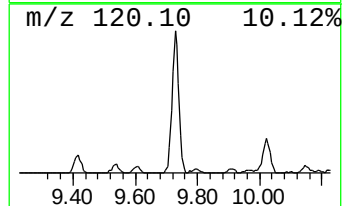
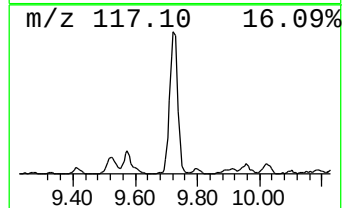
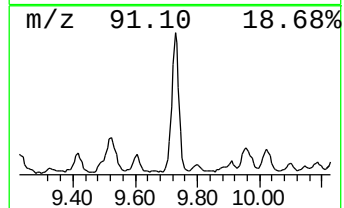
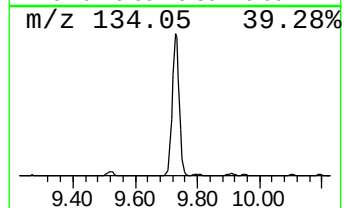
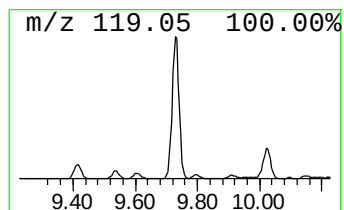
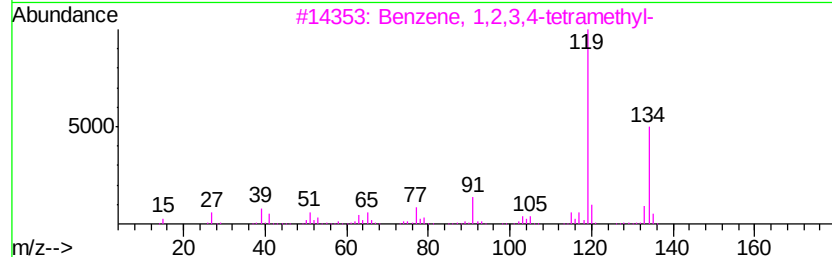
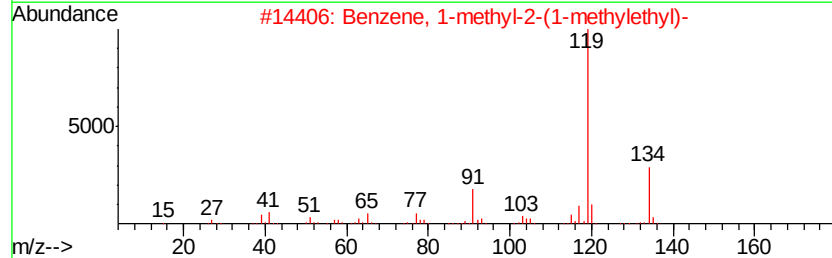
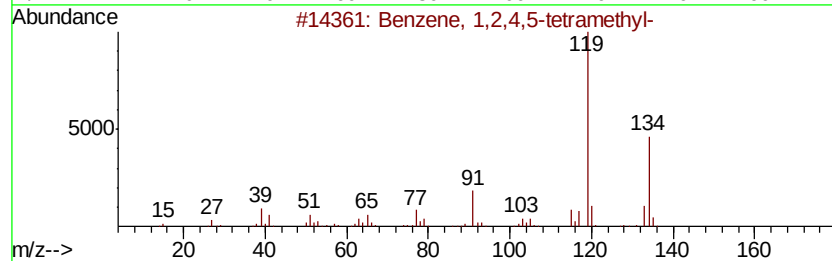
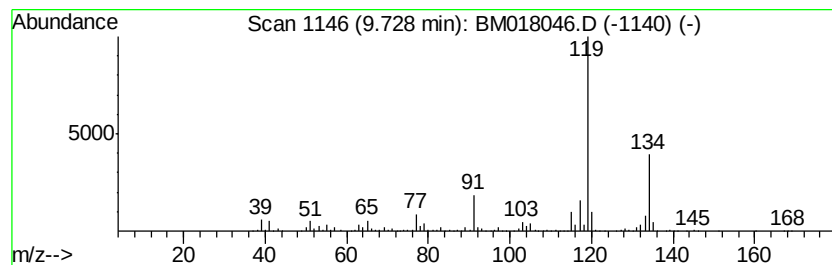
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	20.38 ng/ul	2747360	Naphthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

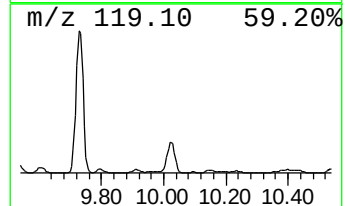
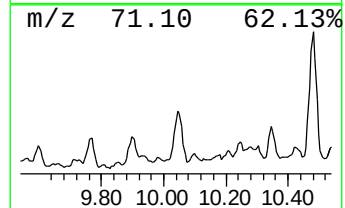
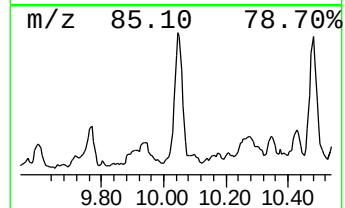
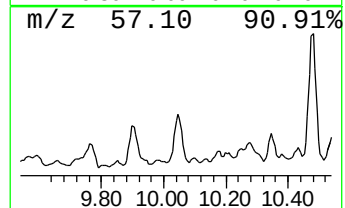
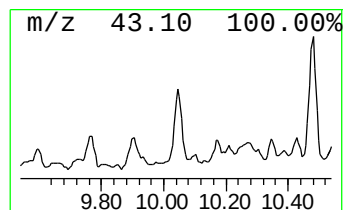
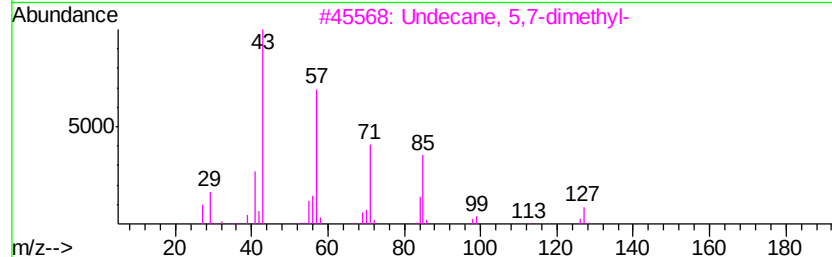
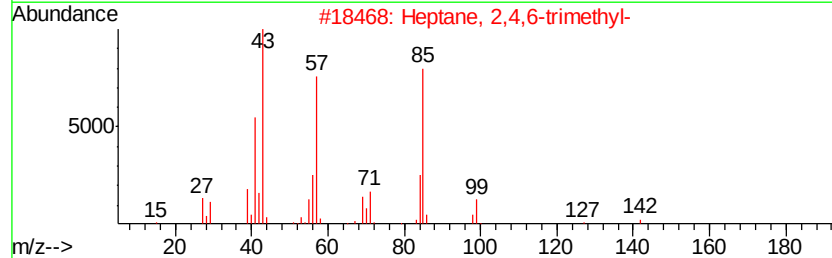
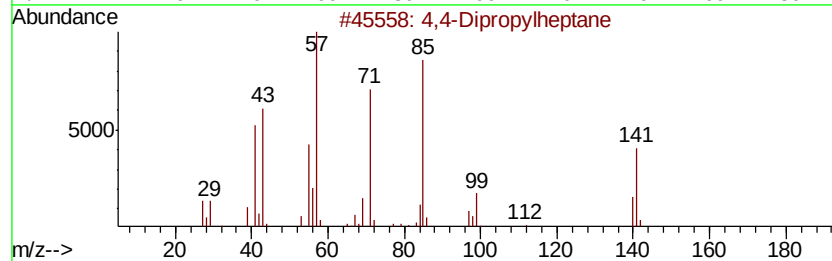
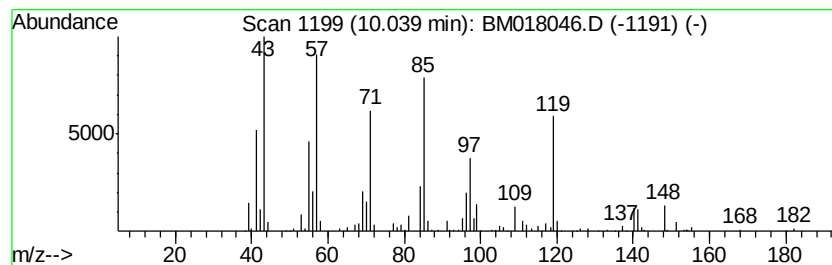
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 unknown-06 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.04	8.38 ng/ul	1129840	Napthalene-d8	10.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dipropylheptane	184	C13H28	017312-72-0	43
2	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	42
3	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	38
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	38
5	1-Hexanol, 2-ethyl-2-propyl-	172	C11H24O	054461-00-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

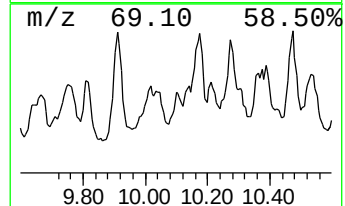
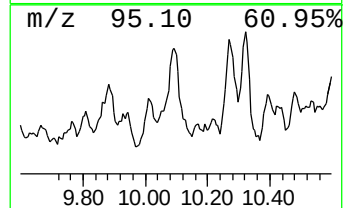
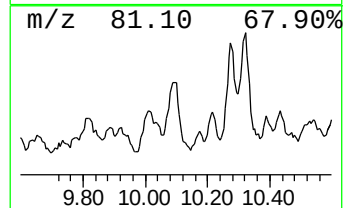
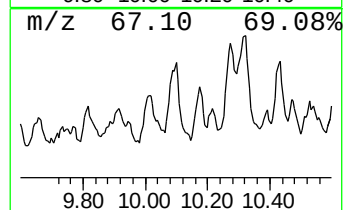
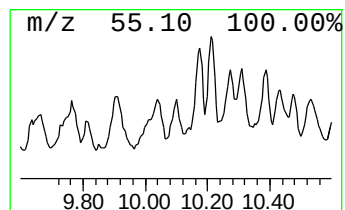
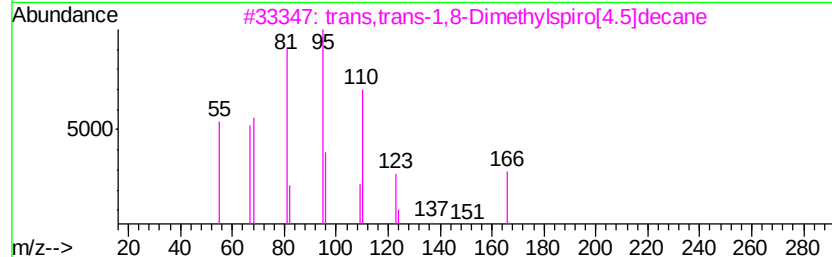
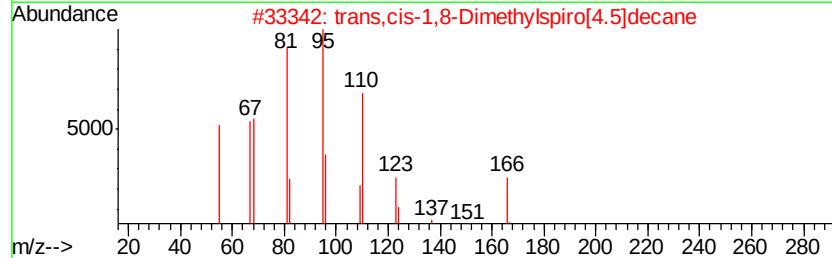
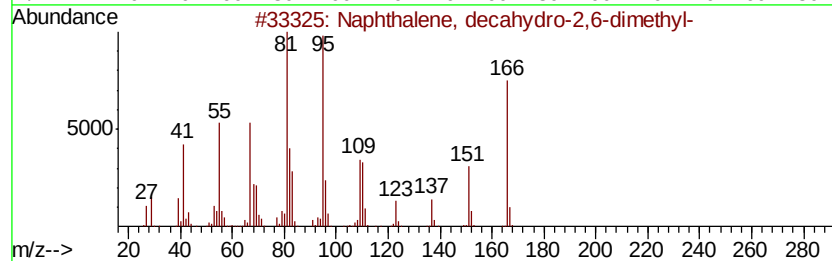
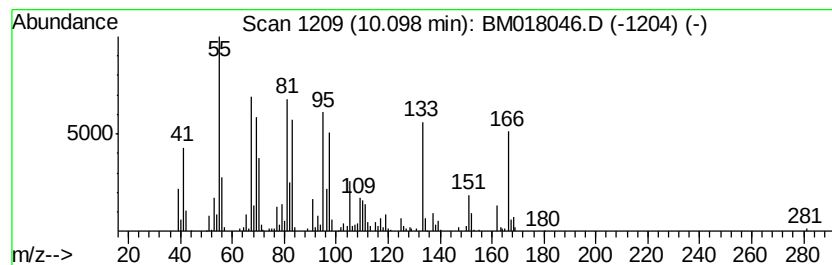
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 unknown-07 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	3.77 ng/ul	508465	Naphthalene-d8	10.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2,6-dimet...	166 C12H22	001618-22-0 46
2		trans,cis-1,8-Dimethylspiro[4.5]...	166 C12H22	1000111-72-9 43
3		trans,trans-1,8-Dimethylspiro[4....	166 C12H22	1000111-72-8 43
4		5,7-Dodecadiene, (Z,Z)-	166 C12H22	006108-62-9 38
5		trans, cis-3-Ethylbicyclo[4.4.0]...	166 C12H22	066660-43-3 38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

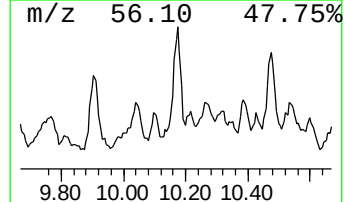
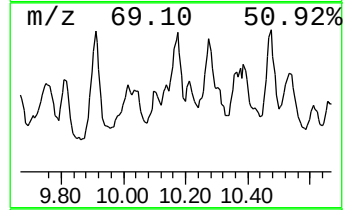
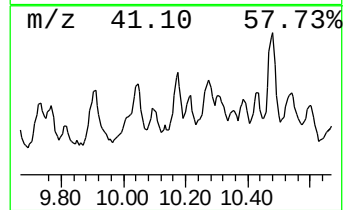
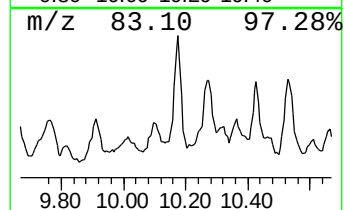
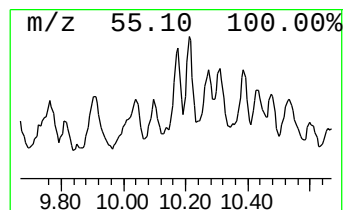
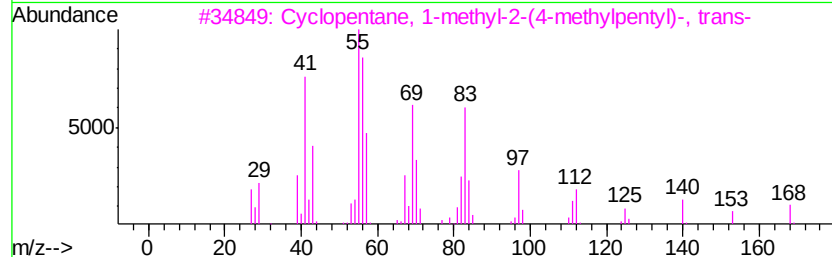
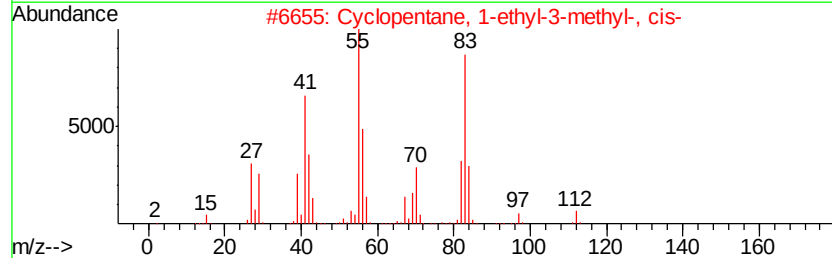
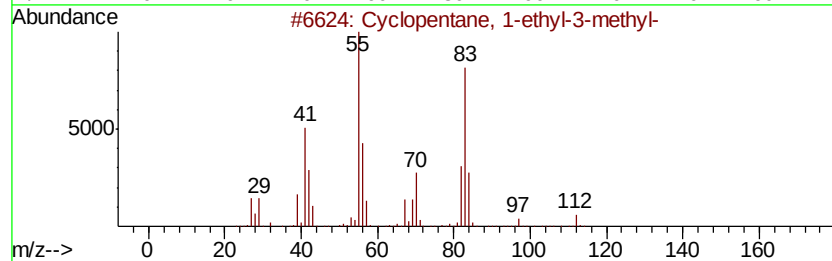
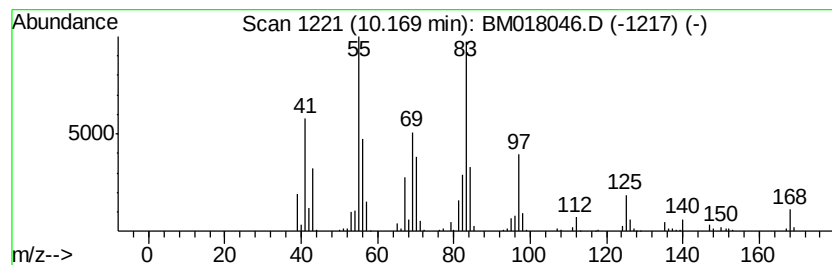
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Cyclic10.17 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.17	4.91 ng/ul	662407	Napthalene-d8	10.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	58
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	58
3	Cyclopentane, 1-methyl-2-(4-meth...	168	C12H24	066553-50-2	46
4	2-Dodecene, (E)-	168	C12H24	007206-13-5	43
5	5-Dodecene, (E)-	168	C12H24	007206-16-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

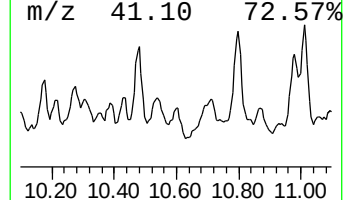
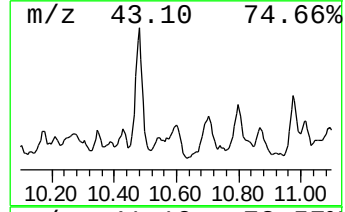
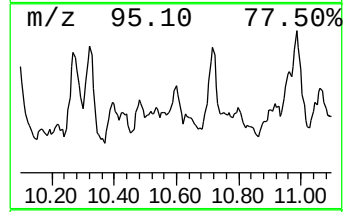
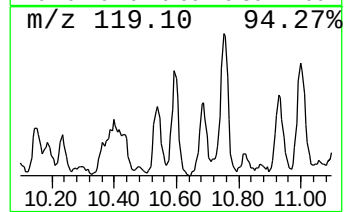
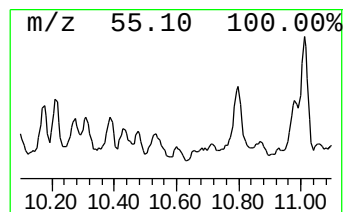
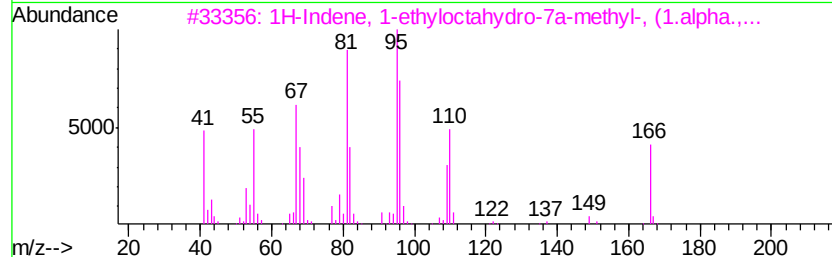
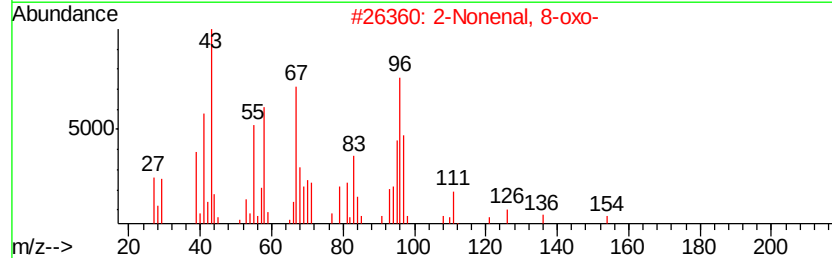
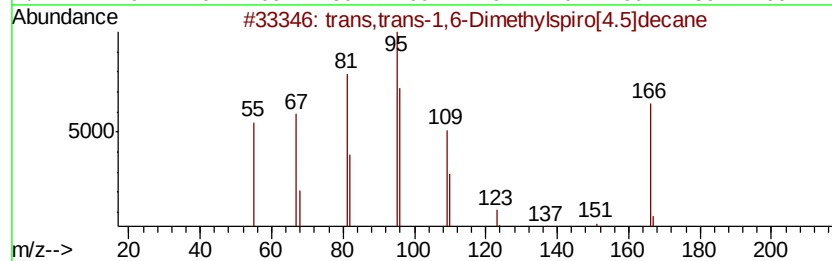
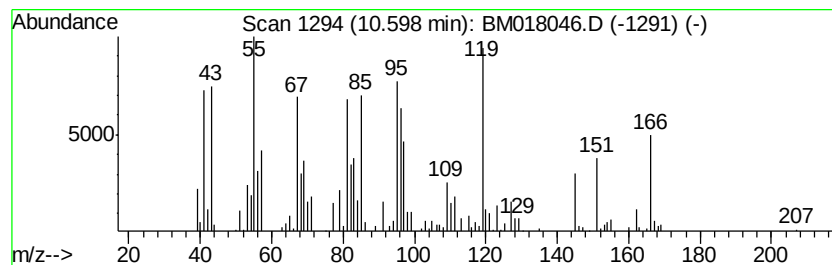
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 35 unknown-08 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	4.14 ng/ul	557787	Naphthalene-d8	10.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans,trans-1,6-Dimethylspiro[4.5]decane	166 C12H22	1000111-72-1	49
2	2-Nonenal, 8-oxo-	154 C9H14O2	077611-52-0	47
3	1H-Indene, 1-ethyloctahydro-7a-methyl-, (1.alpha.,....	166 C12H22	056324-71-1	42
4	Naphthalene, decahydro-2,3-dimethyl-, (1.alpha.,....	166 C12H22	001008-80-6	41
5	cis,trans-1,6-Dimethylspiro[4.5]decane	166 C12H22	1000111-72-3	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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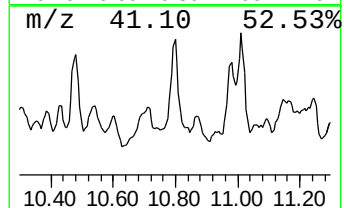
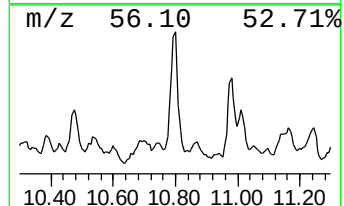
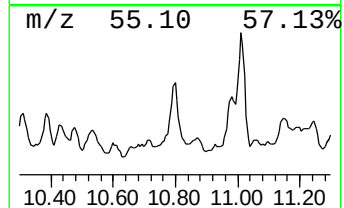
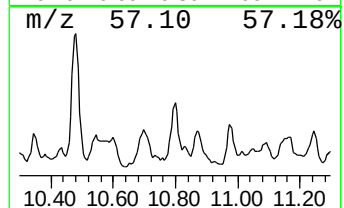
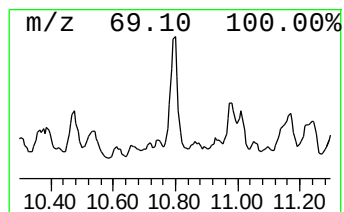
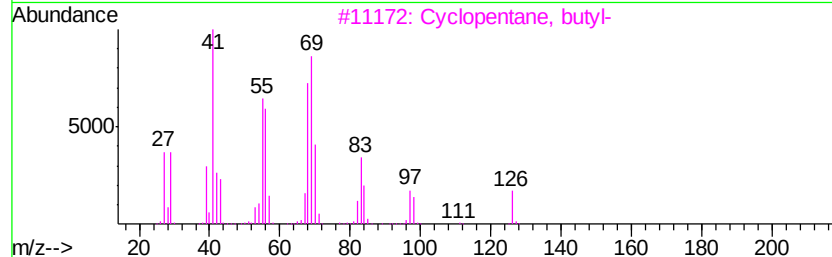
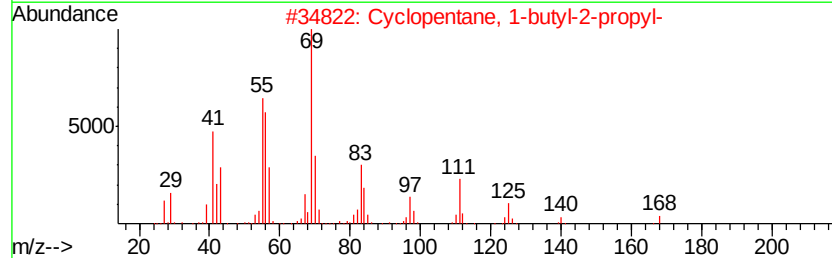
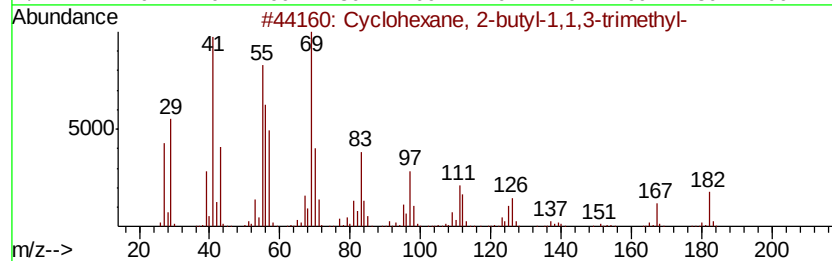
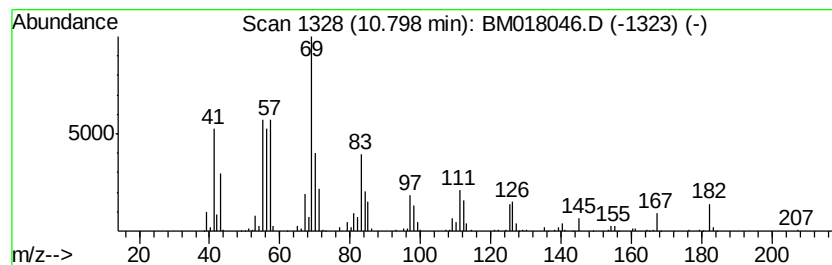
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 (DEL) Alkane: Cyclic10.80 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	10.84 ng/ul	1461000	Napthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
2		Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	86
3		Cyclopentane, butyl-	126	C9H18	002040-95-1	81
4		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	81
5		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

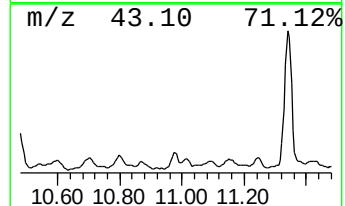
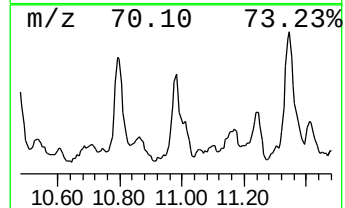
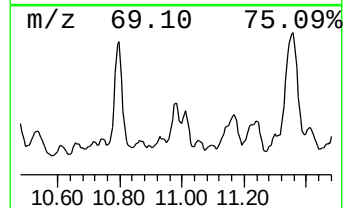
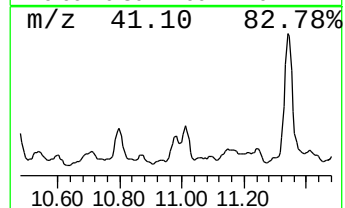
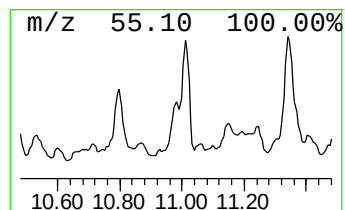
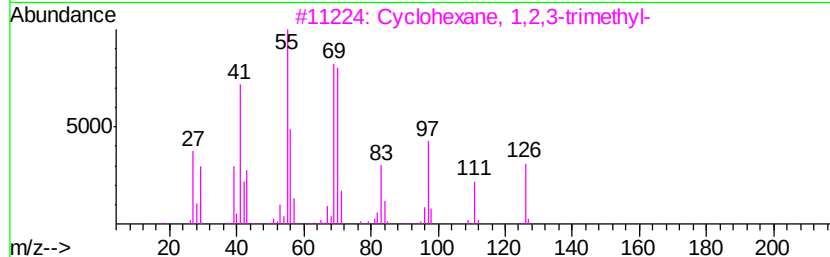
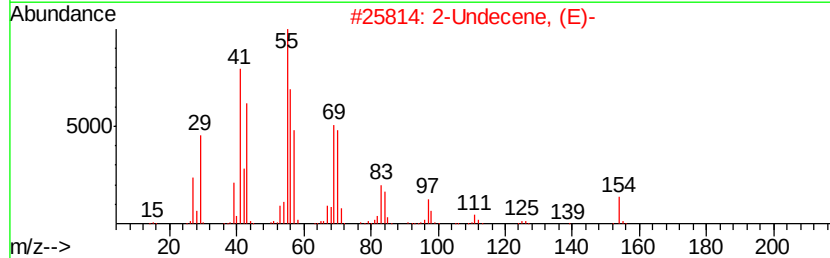
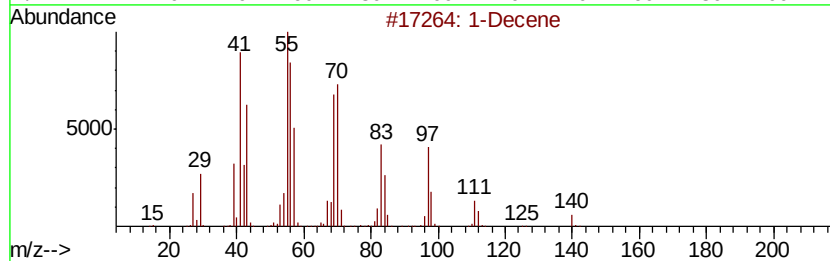
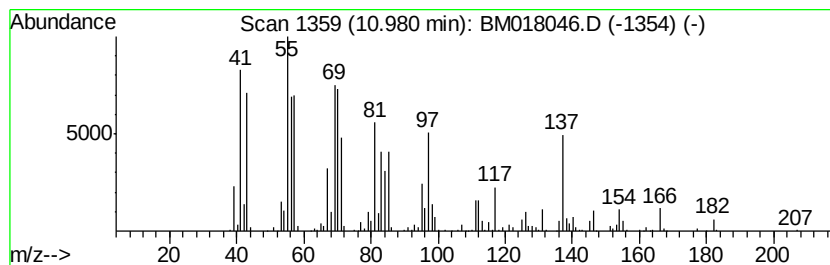
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 38 (DEL) Alkane: Cyclic10.98 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	9.41 ng/ul	1267990	Napthalene-d8	10.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Decene		140 C10H20	000872-05-9 70
2	2-Undecene, (E)-		154 C11H22	000693-61-8 70
3	Cyclohexane, 1,2,3-trimethyl-		126 C9H18	001678-97-3 60
4	Cyclooctane, 1,2-dimethyl-		140 C10H20	013151-94-5 60
5	5-Undecene		154 C11H22	004941-53-1 60



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

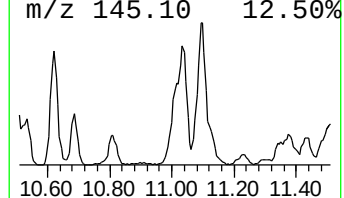
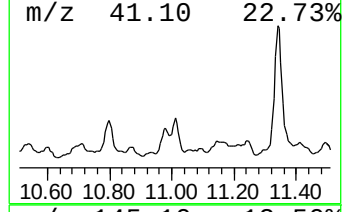
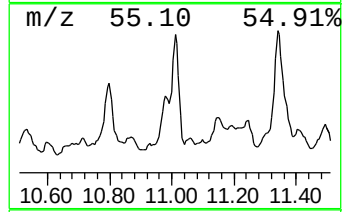
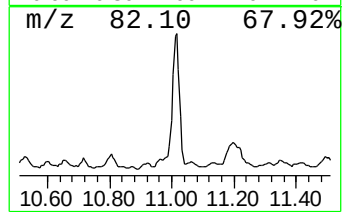
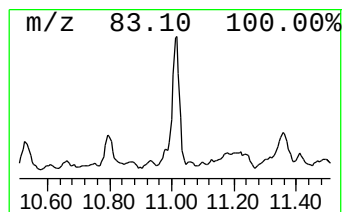
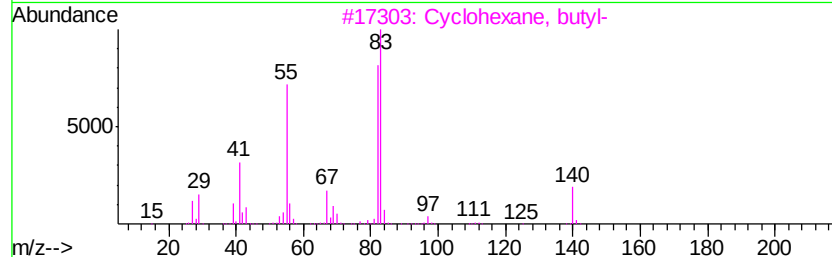
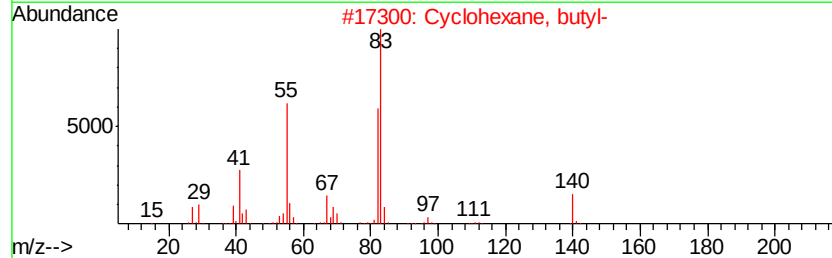
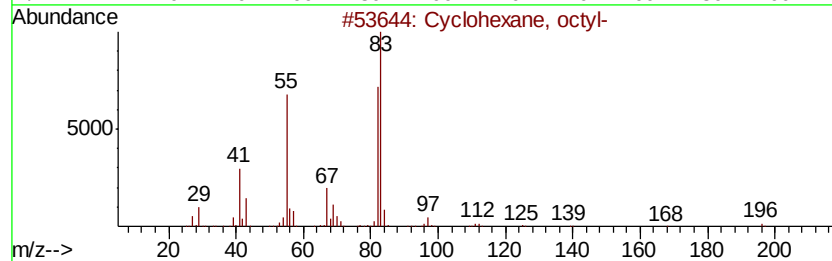
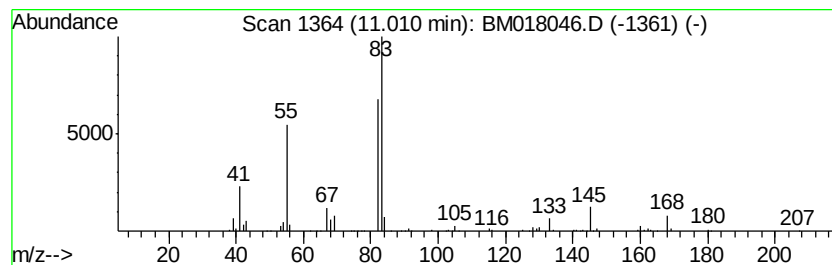
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 (DEL) Alkane: Cyclic11.01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	10.28 ng/ul	1385830	Napthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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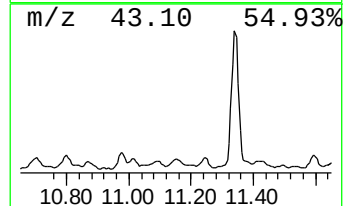
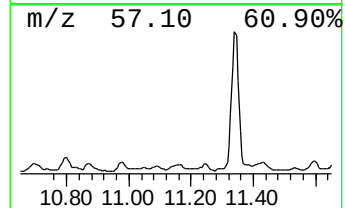
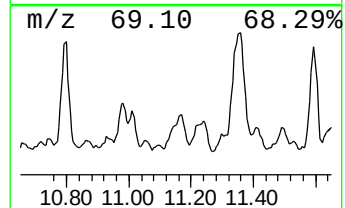
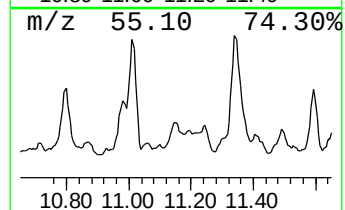
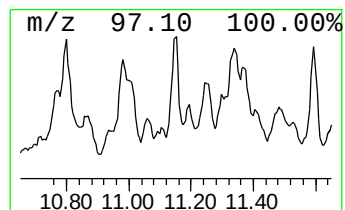
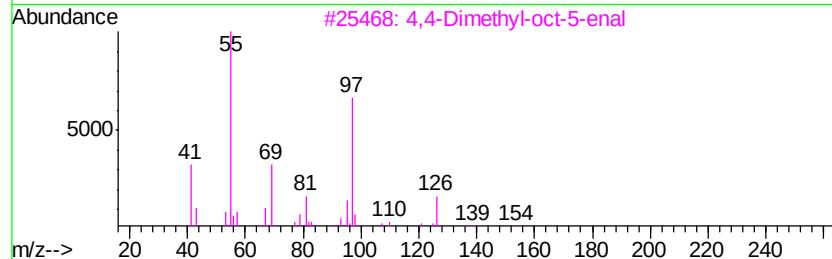
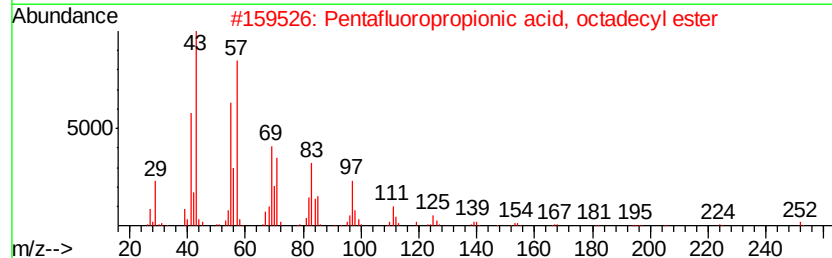
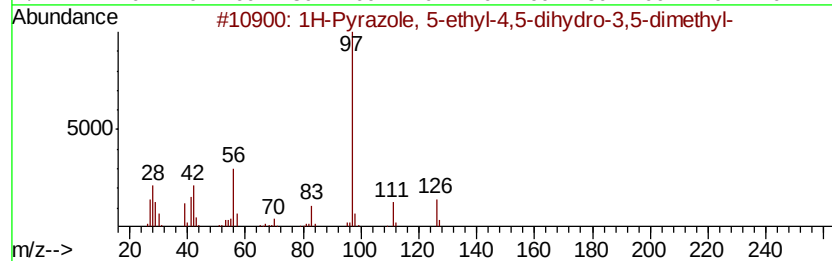
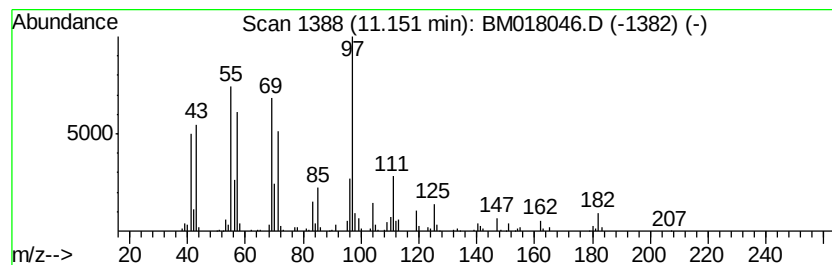
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 40 unknown-09 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.15	4.36 ng/ul	587532	Napthalene-d8	10.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Pyrazole, 5-ethyl-4,5-dihydro...	126	C7H14N2	021981-22-6	35
2		Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	35
3		4,4-Dimethyl-oct-5-enal	154	C10H18O	1000143-73-6	30
4		2-Thiopheneacetic acid, allyl ester	182	C9H10O2S	1000278-98-5	25
5		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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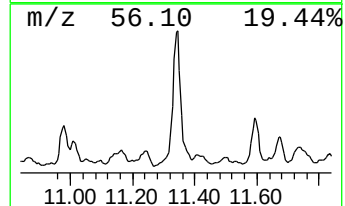
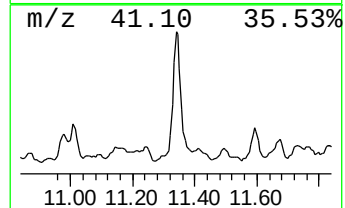
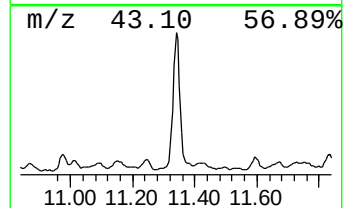
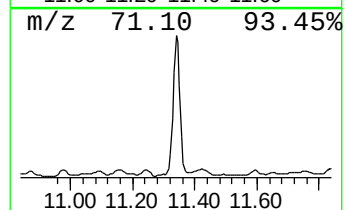
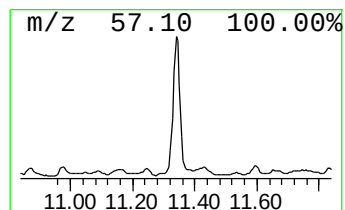
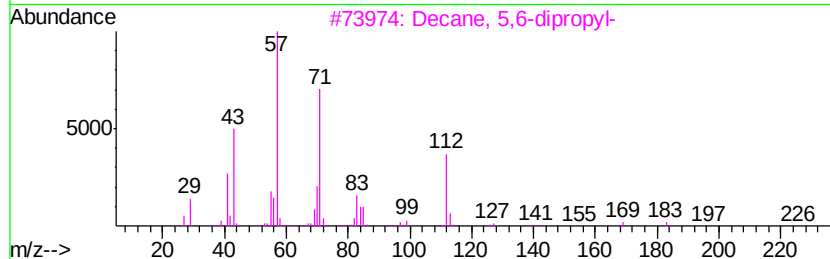
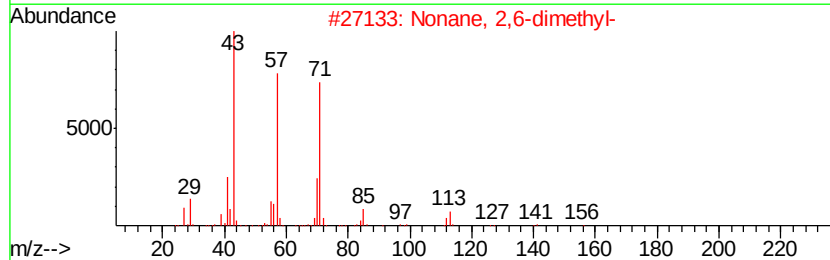
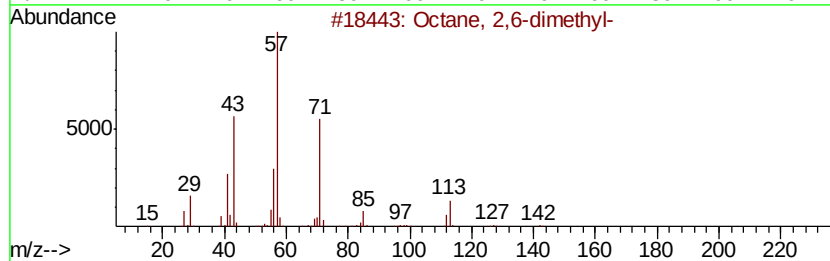
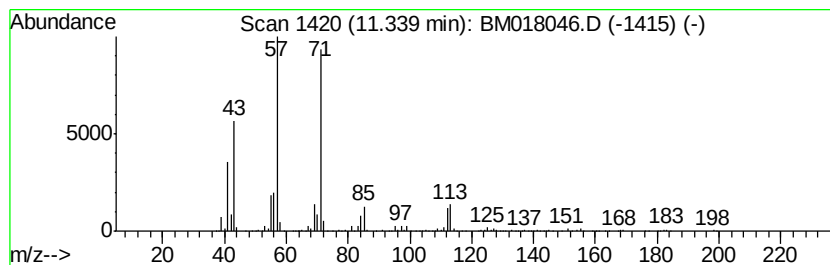
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Quant Title : SVOA CALIBRATION

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	42.32 ng/ul	5705010	Napthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
3		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	78
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

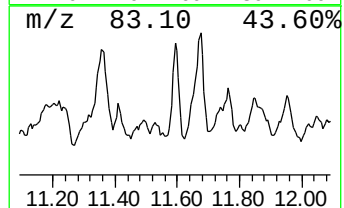
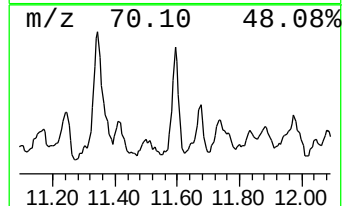
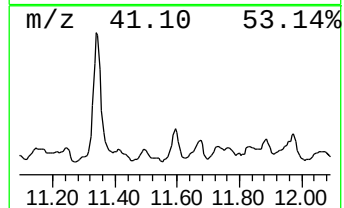
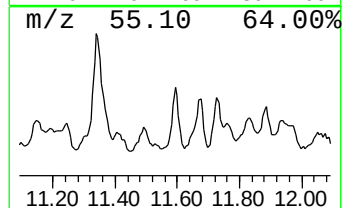
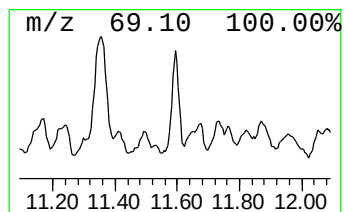
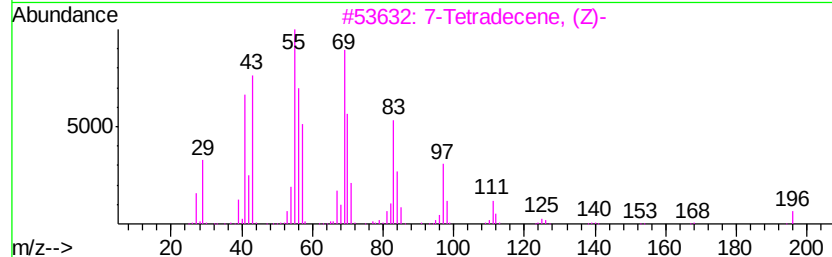
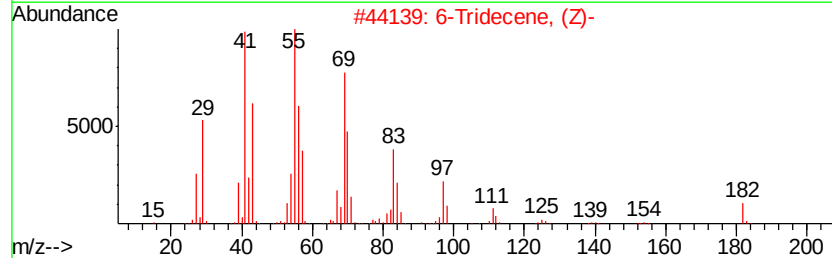
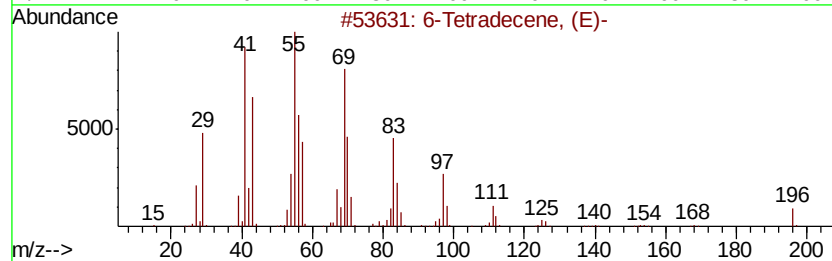
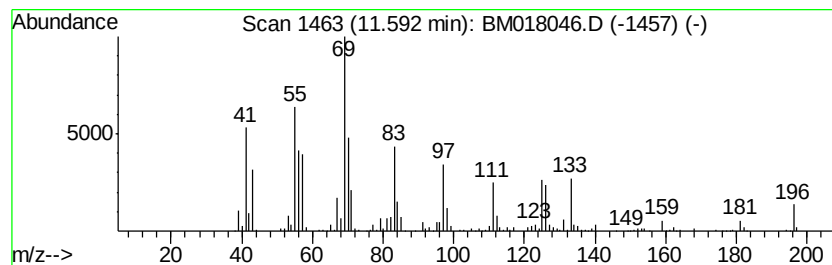
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 43 (DEL) Alkane: Cyclic11.59 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.59	11.15 ng/ul	1503020	Napthalene-d8	10.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Tetradecene, (E)-	196	C14H28	041446-64-4	83
2	6-Tridecene, (Z)-	182	C13H26	006508-77-6	76
3	7-Tetradecene, (Z)-	196	C14H28	041446-60-0	55
4	3-Tetradecene, (E)-	196	C14H28	041446-68-8	55
5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
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Sample : J6077-19
Misc :
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Instrument :
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ClientSampleId :
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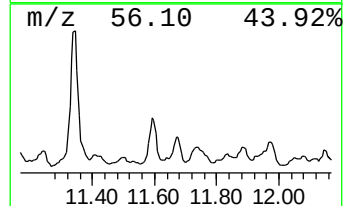
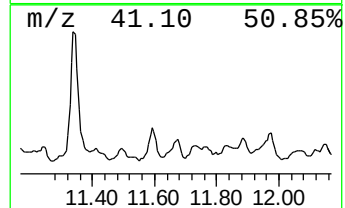
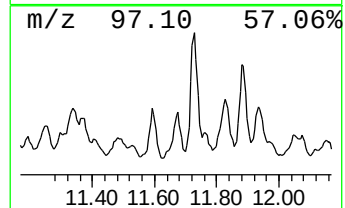
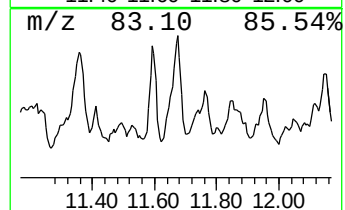
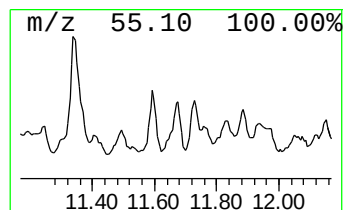
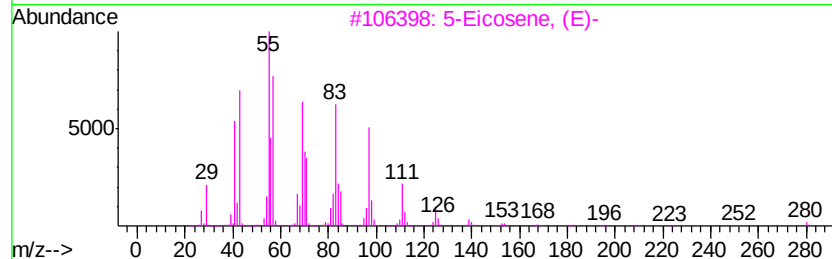
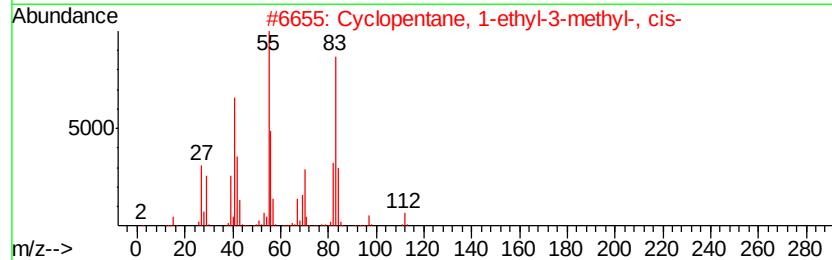
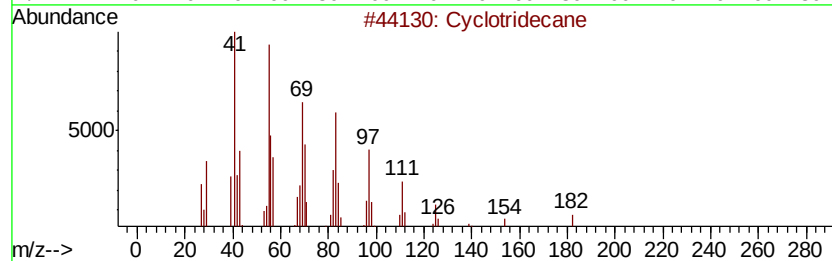
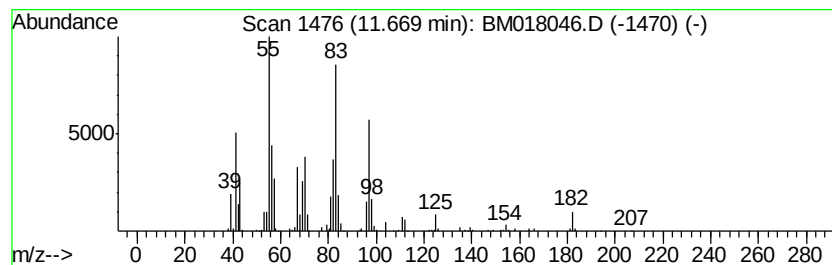
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Quant Title : SVOA CALIBRATION

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

Peak Number 44 (DEL) Alkane: Cyclic11.67 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	7.18 ng/ul	967748	Napthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotridecane	182	C13H26	000295-02-3	58
2		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	47
3		5-Eicosene, (E)-	280	C20H40	074685-30-6	47
4		(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	47
5		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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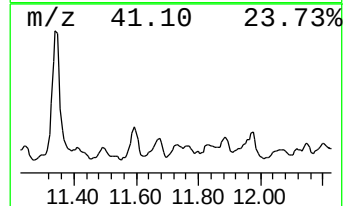
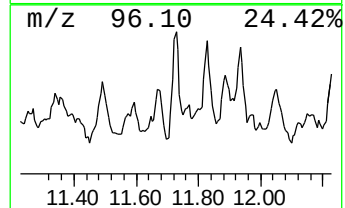
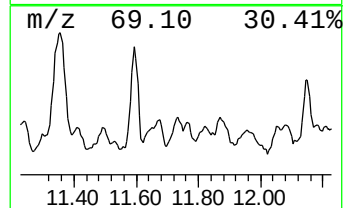
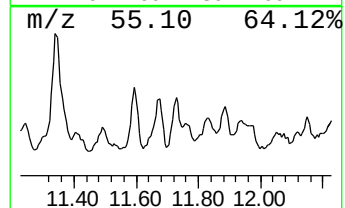
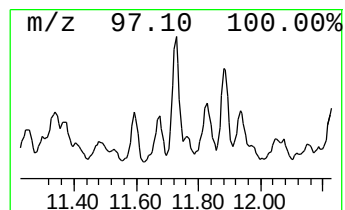
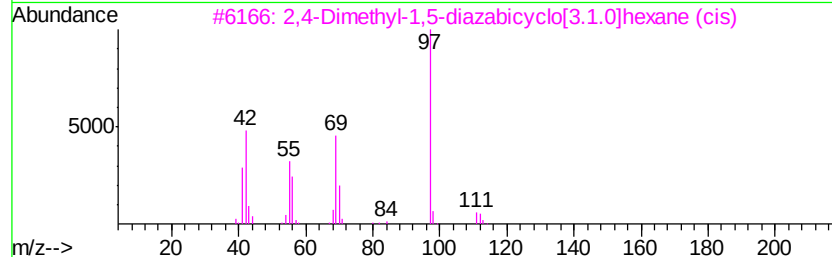
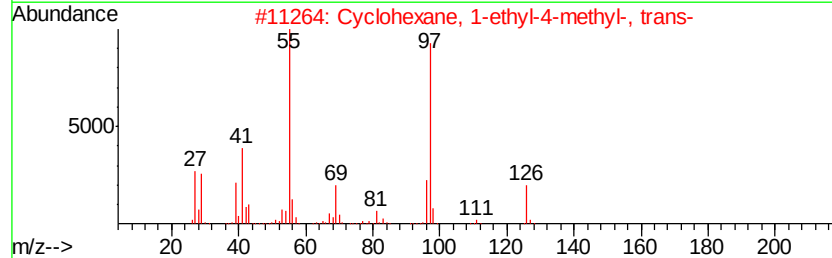
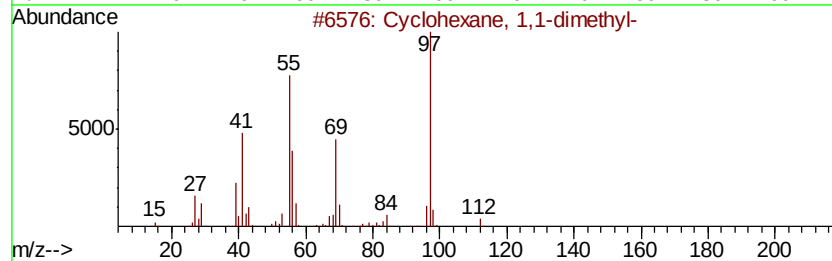
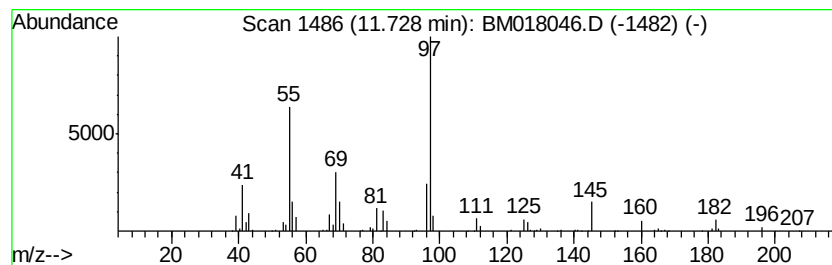
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Quant Title : SVOA CALIBRATION

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

Peak Number 45 (DEL) Alkane: Cyclic11.73 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.65 ng/ul	626612	Napthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
3		2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane	112	C6H12N2	100463-01-2	52
4		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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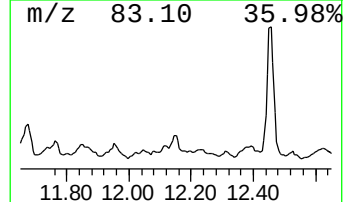
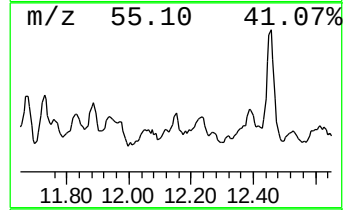
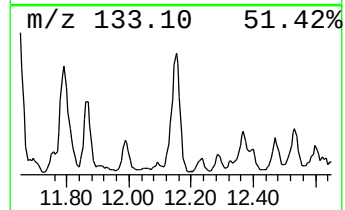
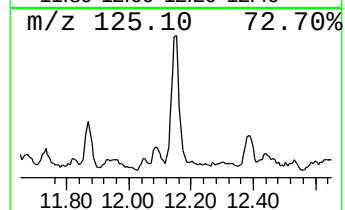
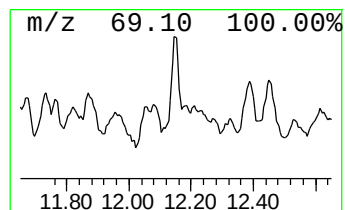
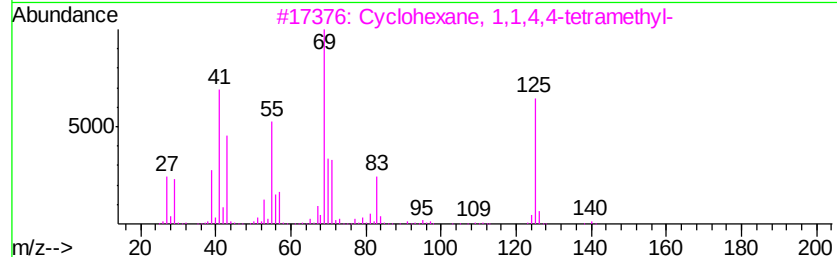
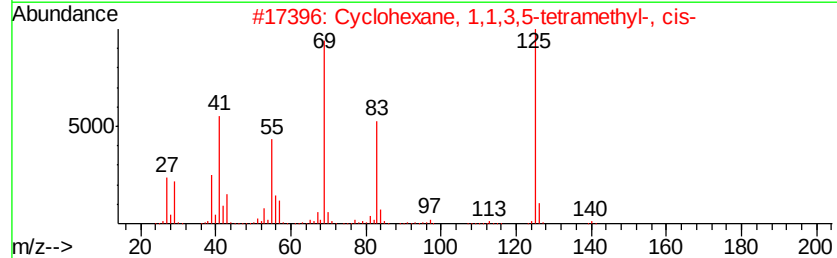
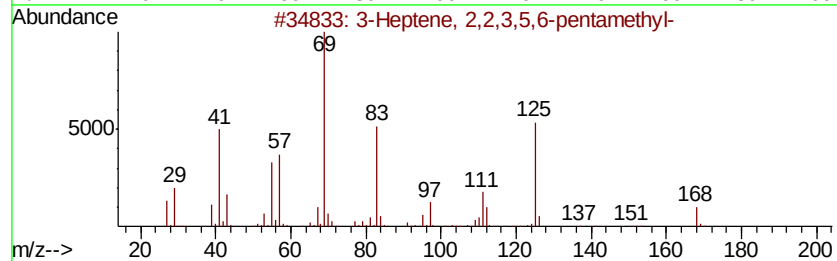
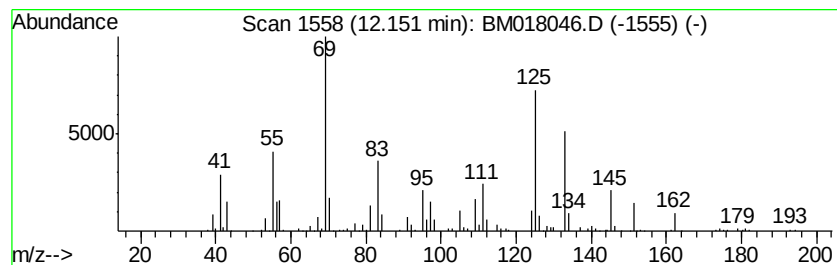
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Quant Title : SVOA CALIBRATION

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

Peak Number 47 (DEL) Alkane: Cyclic12.15 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	4.66 ng/ul	628559	Napthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Heptene, 2,2,3,5,6-pentamethyl-	168	C12H24	116164-06-8	43
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	35
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	35
4		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	35
5		Triallylsilane	152	C9H16Si	001116-62-7	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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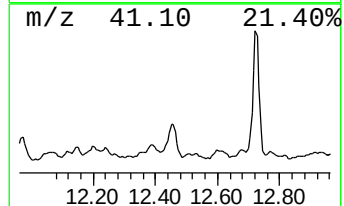
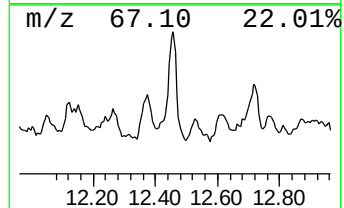
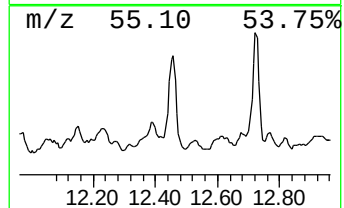
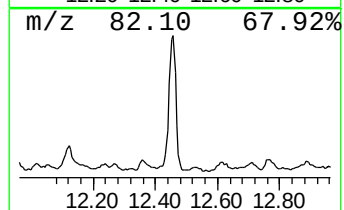
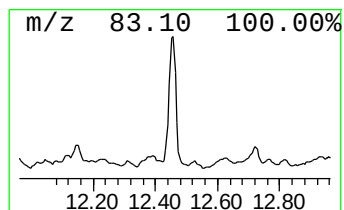
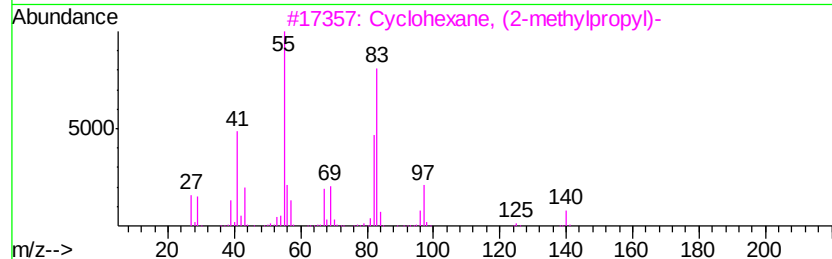
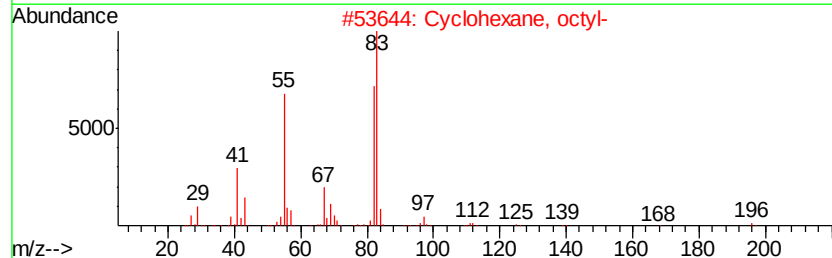
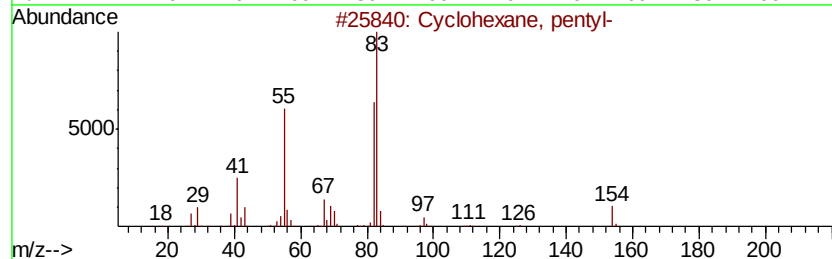
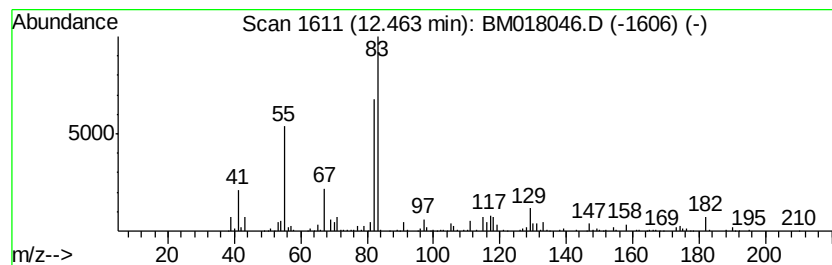
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Quant Title : SVOA CALIBRATION

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

Peak Number 49 (DEL) Alkane: Cyclic12.46 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	9.48 ng/ul	1724670	Acenaphthene-d10	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	56
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

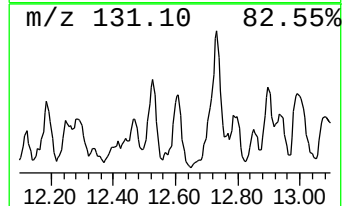
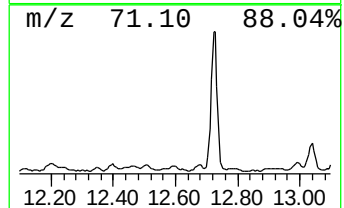
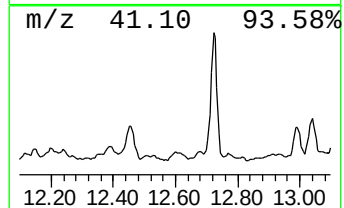
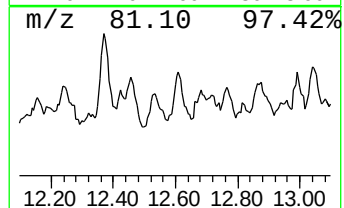
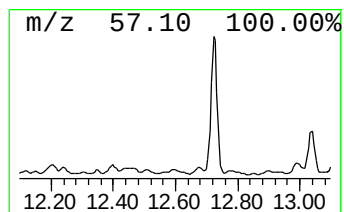
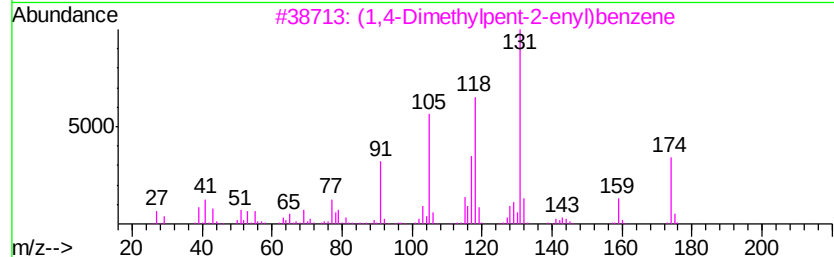
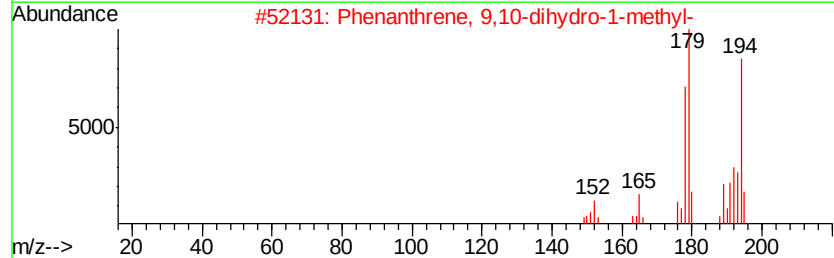
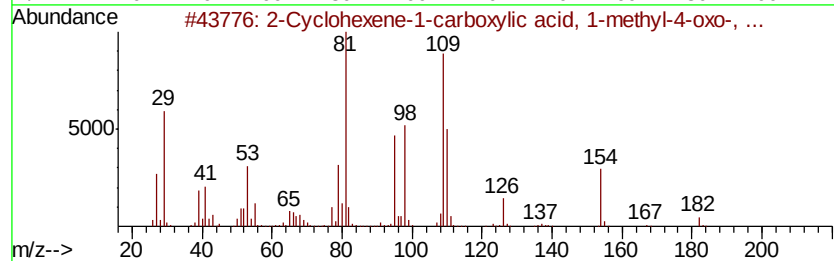
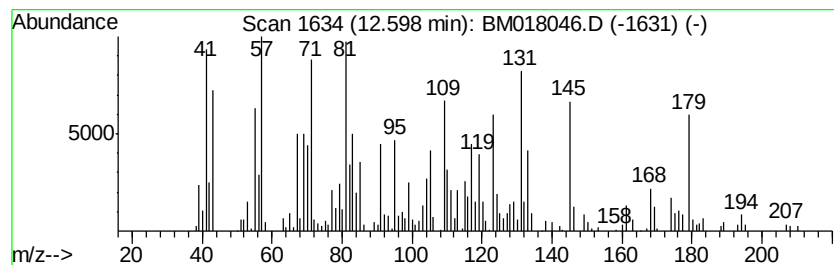
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Quant Title : SVOA CALIBRATION

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

Peak Number 50 (DEL) Alkane: Cyclic12.60 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	4.65 ng/ul	846154	Acenaphthene-d10	14.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Cyclohexene-1-carboxylic acid, ...	182 C10H14O3	001489-55-0	51
2	Phenanthrene, 9,10-dihydro-1-met...	194 C15H14	095676-48-5	43
3	(1,4-Dimethylpent-2-enyl)benzene	174 C13H18	1000184-97-9	15
4	Ethyl N-(o-anisyl)formimidate	179 C10H13NO2	015296-48-7	11
5	Methyl ethyl cyclopentene	110 C8H14	019780-56-4	11



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
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Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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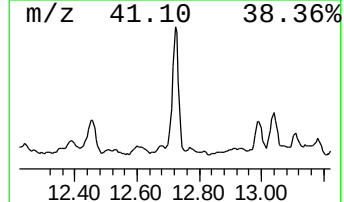
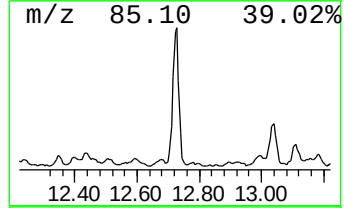
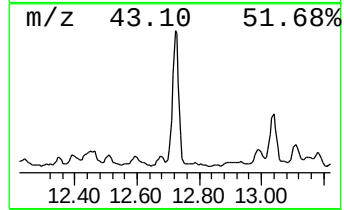
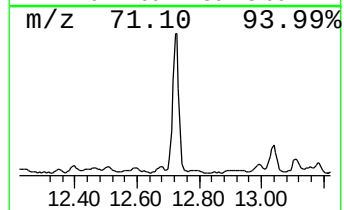
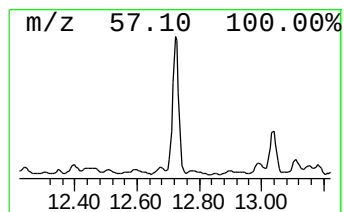
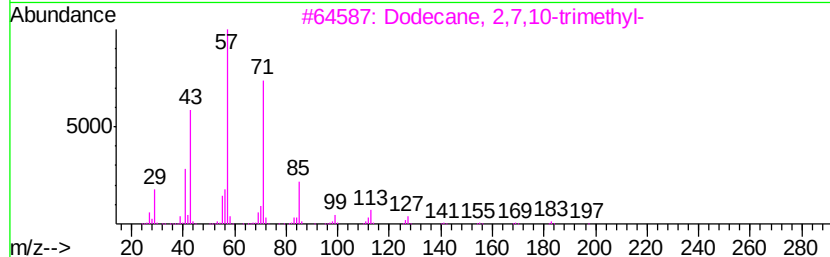
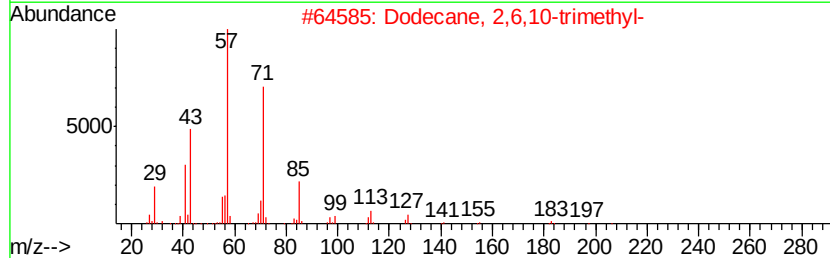
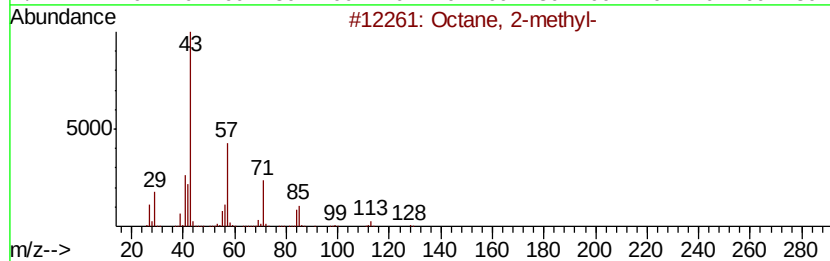
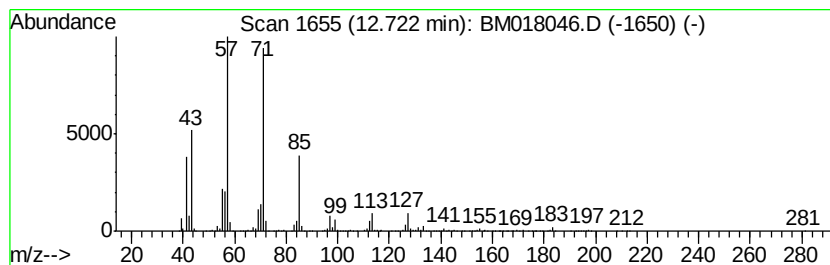
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	28.49 ng/ul	5182260	Acenaphthene-d10	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	87
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	76
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

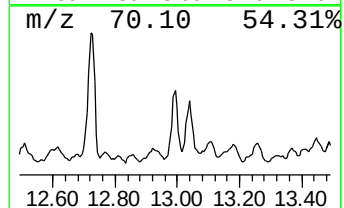
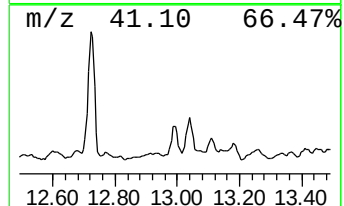
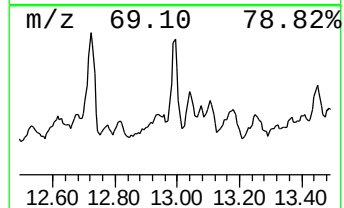
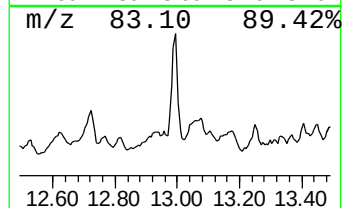
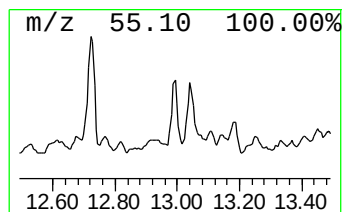
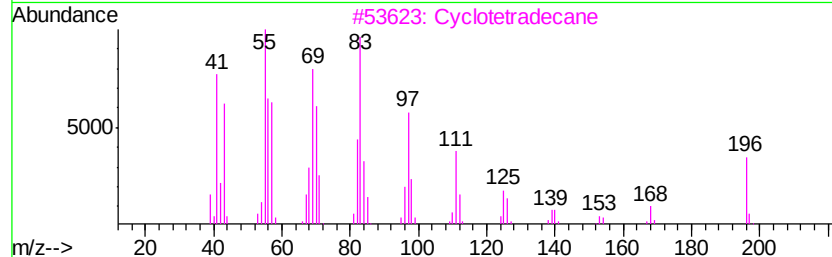
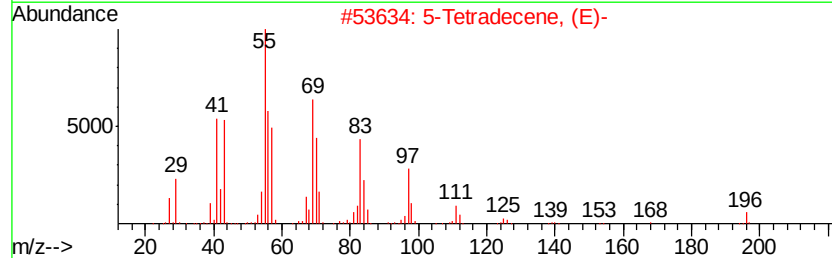
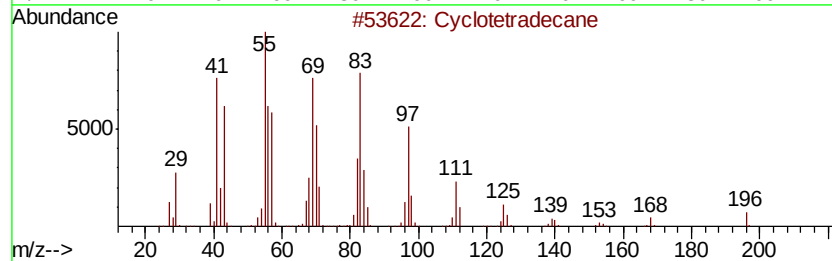
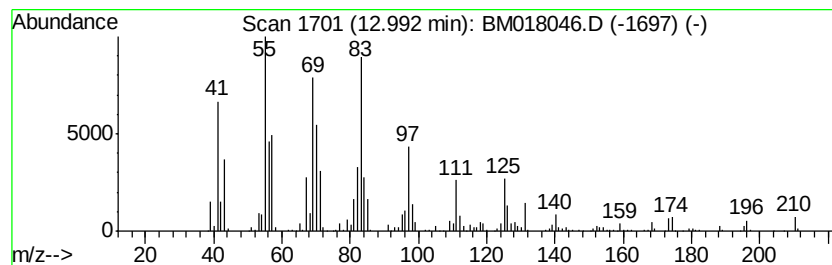
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	7.83 ng/ul	1424160	Acenaphthene-d10	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetradecane	196	C14H28	000295-17-0	95
2		5-Tetradecene, (E)-	196	C14H28	041446-66-6	93
3		Cyclotetradecane	196	C14H28	000295-17-0	91
4		7-Tetradecene	196	C14H28	010374-74-0	89
5		7-Tetradecene, (E)-	196	C14H28	041446-63-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

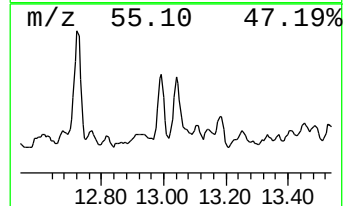
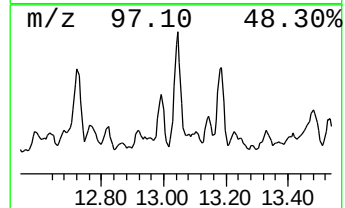
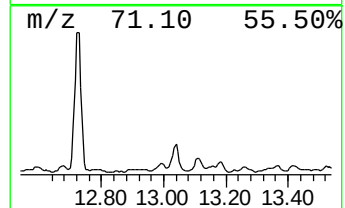
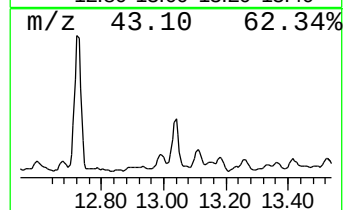
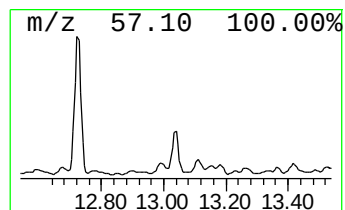
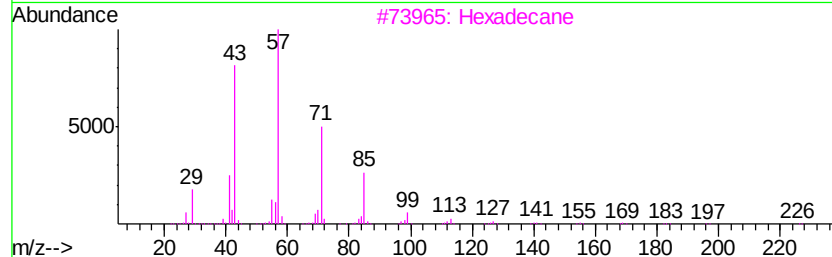
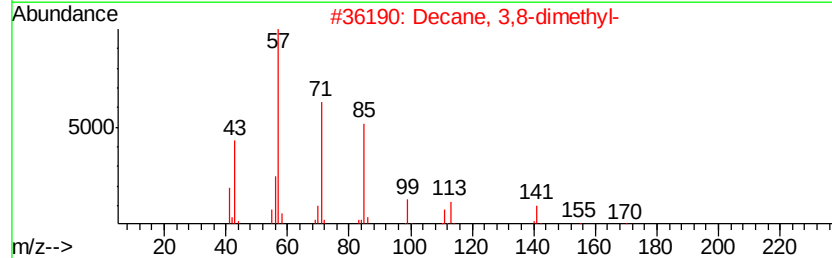
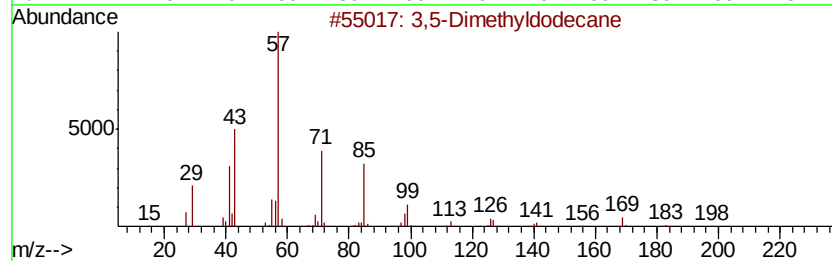
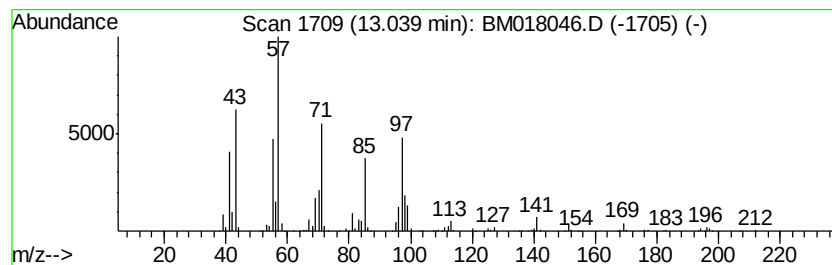
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Quant Title : SVOA CALIBRATION

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	7.80 ng/ul	1418210	Acenaphthene-d10	14.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Dimethyldodecane	198	C14H30	107770-99-0	49
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
3			Hexadecane	226	C16H34	000544-76-3	43
4			Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	43
5			Undecane, 2-methyl-	170	C12H26	007045-71-8	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

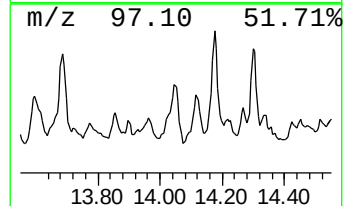
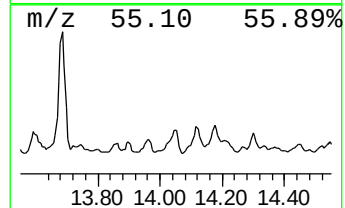
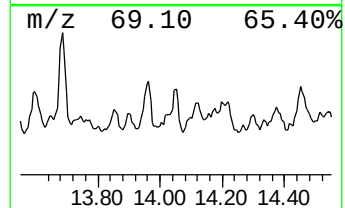
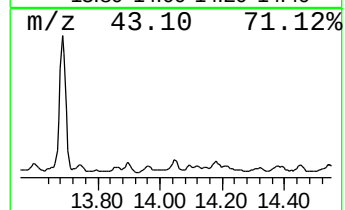
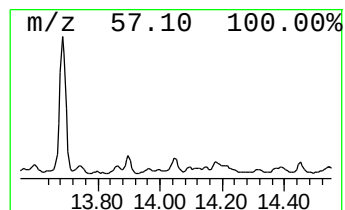
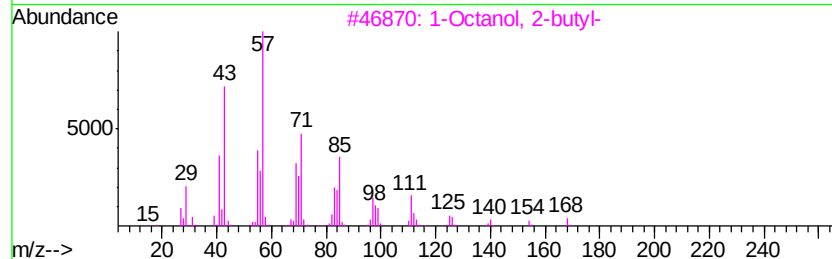
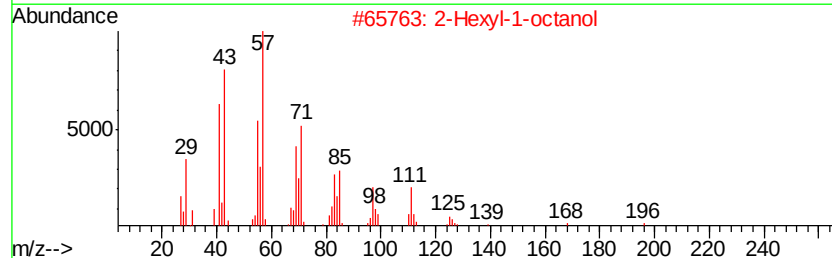
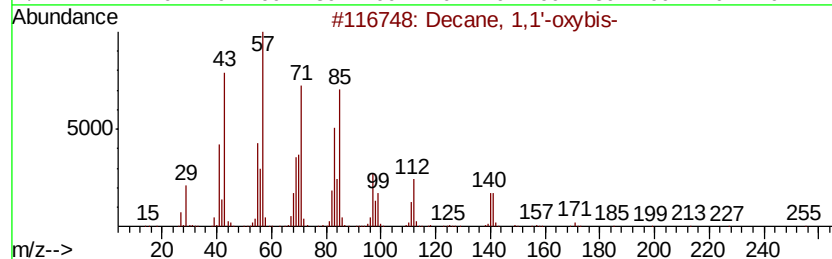
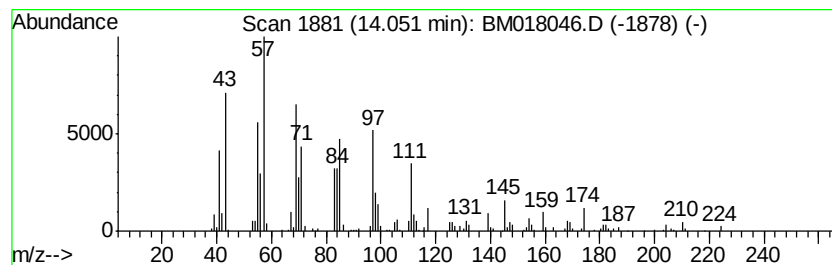
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Quant Title : SVOA CALIBRATION

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

Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	3.74 ng/ul	679973	Acenaphthene-d10	14.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	58
2			2-Hexyl-1-octanol	214	C14H30O	019780-79-1	52
3			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
4			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	43
5			1-Tetradecene	196	C14H28	001120-36-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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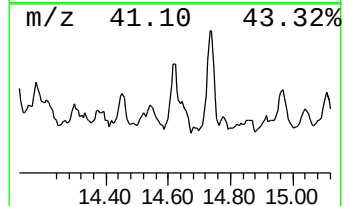
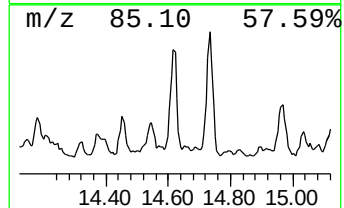
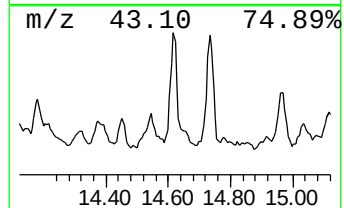
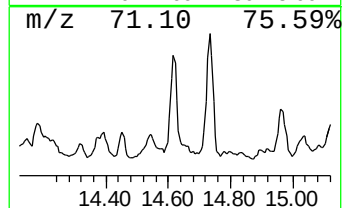
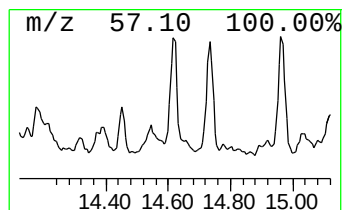
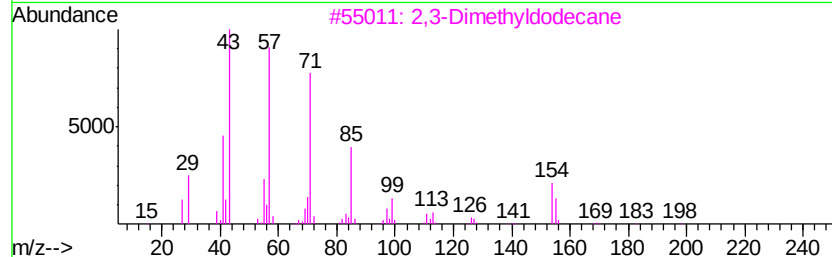
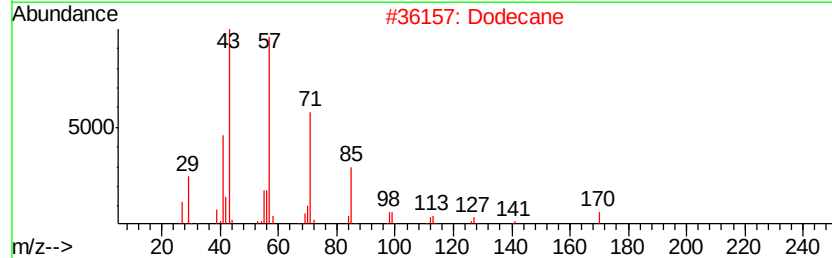
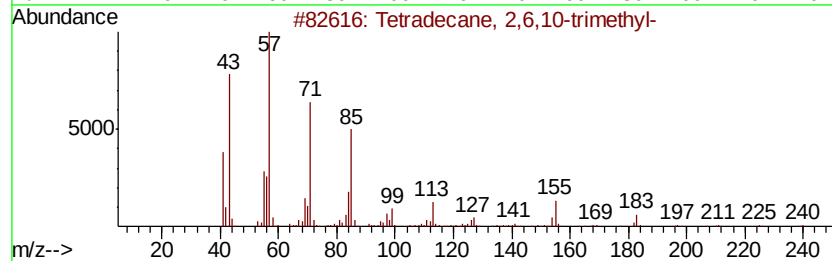
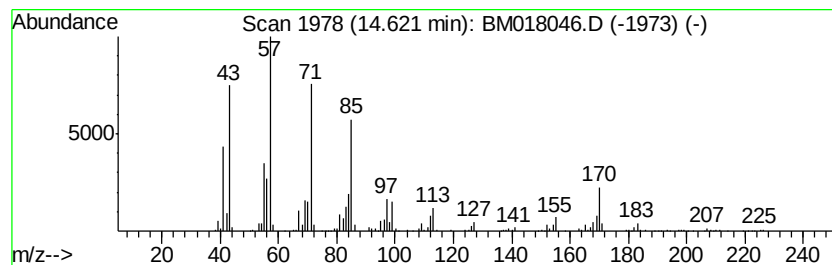
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Quant Title : SVOA CALIBRATION

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	10.48 ng/ul	1906640	Acenaphthene-d10	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64
2		Dodecane	170	C12H26	000112-40-3	64
3		2,3-Dimethyldodecane	198	C14H30	006117-98-2	58
4		3,5-Dimethyldodecane	198	C14H30	107770-99-0	53
5		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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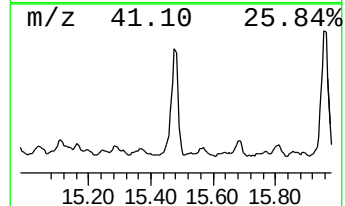
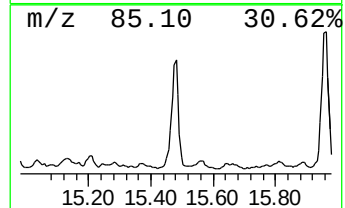
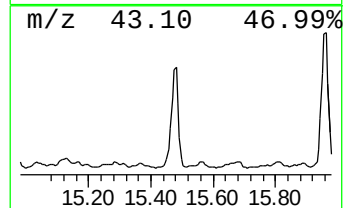
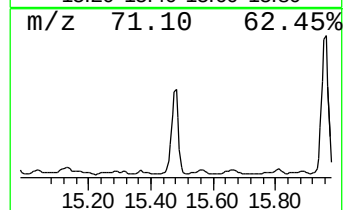
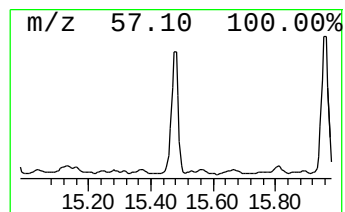
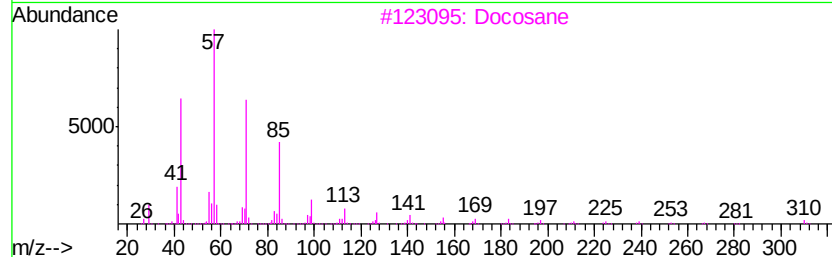
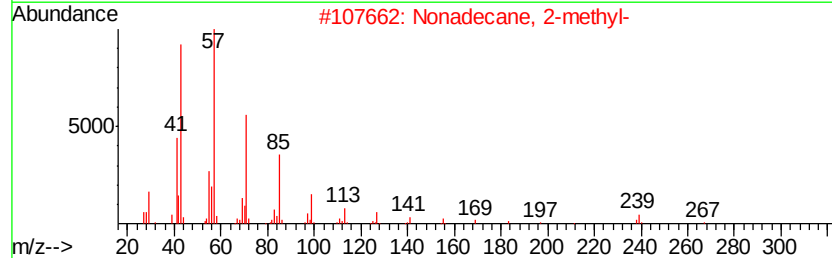
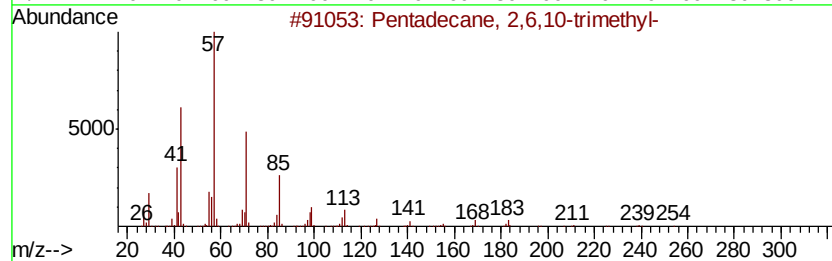
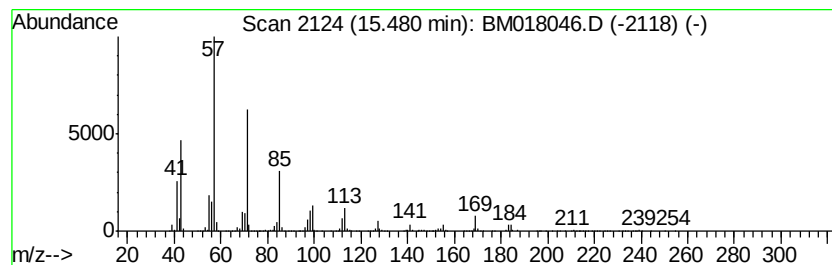
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Quant Title : SVOA CALIBRATION

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	28.26 ng/ul	5141460	Acenaphthene-d10	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2		Nonadecane, 2-methyl-	282	C20H42	001560-86-7	80
3		Docosane	310	C22H46	000629-97-0	80
4		Octadecane	254	C18H38	000593-45-3	80
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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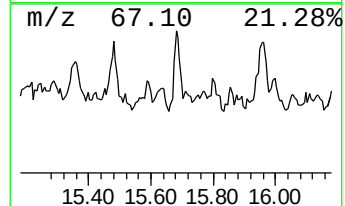
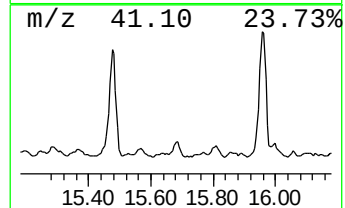
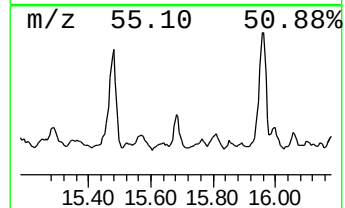
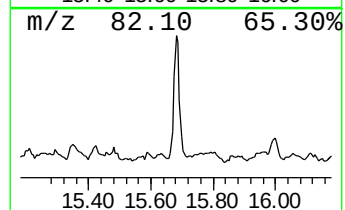
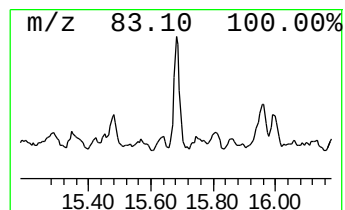
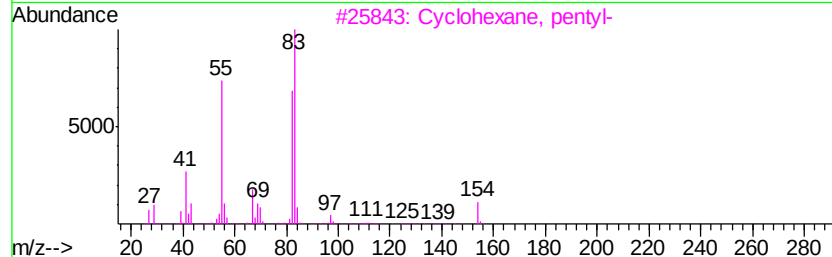
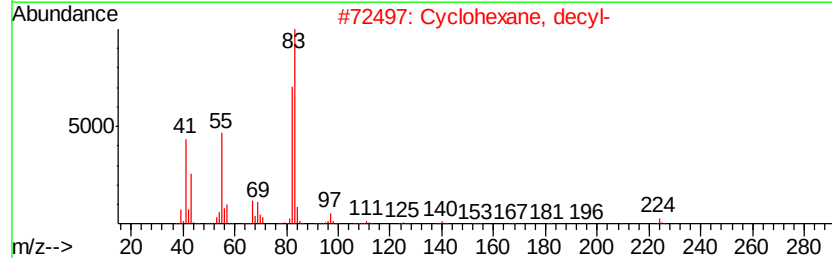
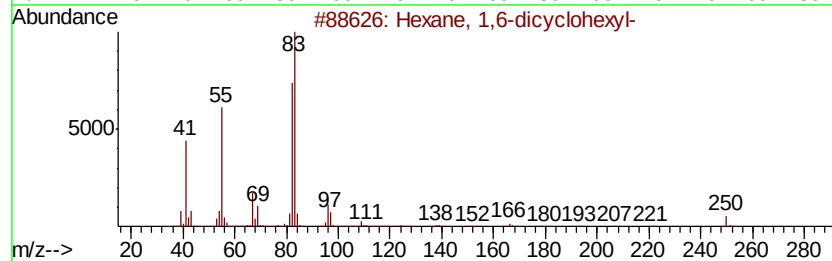
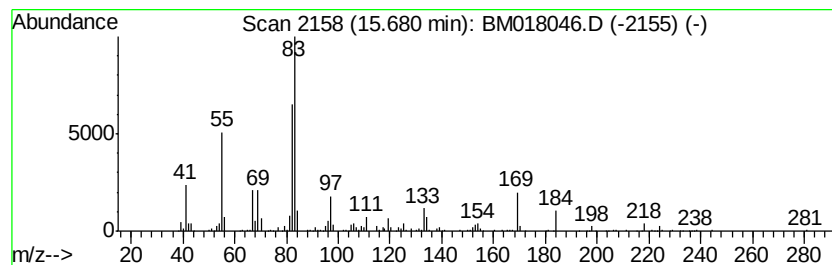
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Quant Title : SVOA CALIBRATION

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

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	6.36 ng/ul	895193	Phenanthrene-d10	16.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 1,6-dicvclohexyl-	250	C18H34	001610-23-7	59
2			Cyclohexane, decyl-	224	C16H32	001795-16-0	58
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
4			Heptylcyclohexane	182	C13H26	005617-41-4	53
5			Cyclohexane, decyl-	224	C16H32	001795-16-0	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

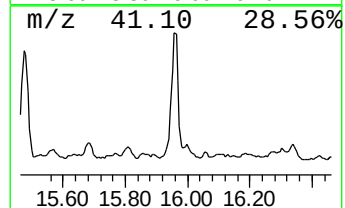
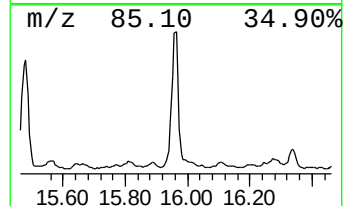
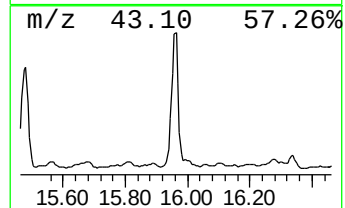
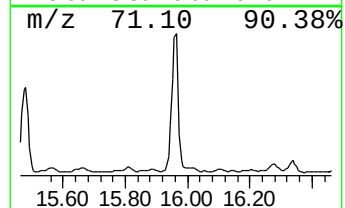
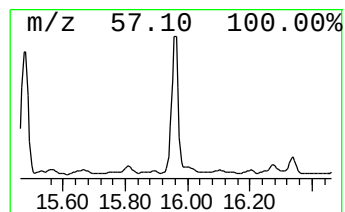
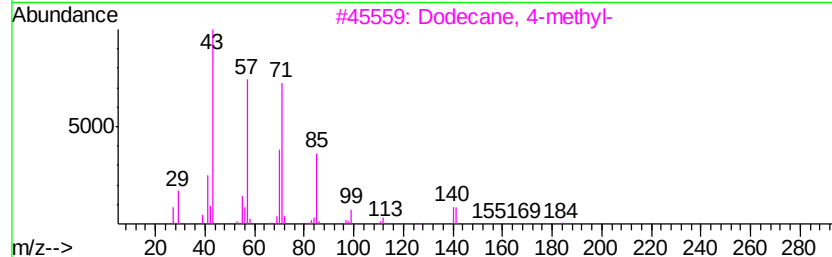
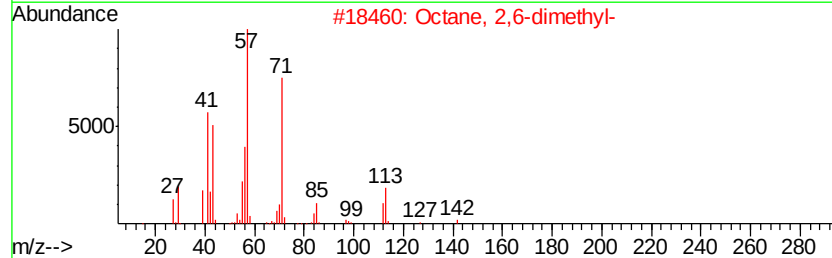
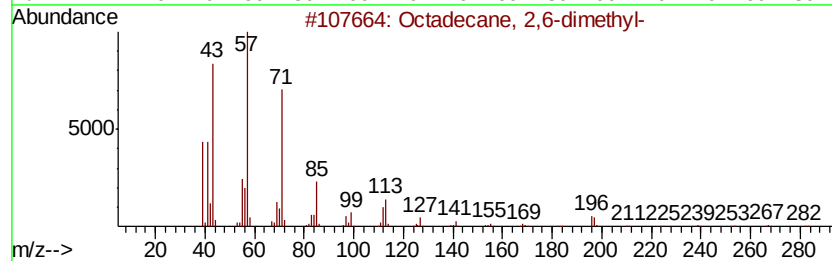
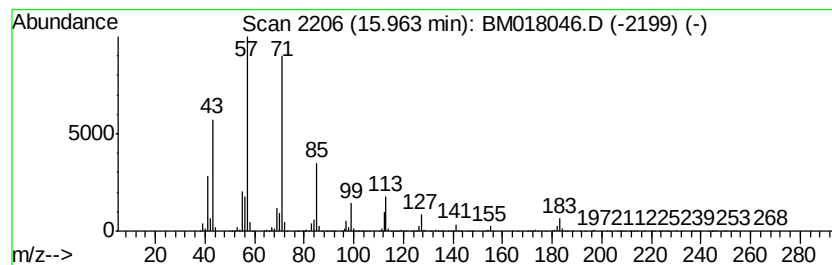
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	43.99 ng/ul	6193080	Phenanthrene-d10	16.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	74
3		Dodecane, 4-methyl-	184	C13H28	006117-97-1	74
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5		Tridecane, 4-methyl-	198	C14H30	026730-12-1	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
 Data File : BM018046.D
 Acq On : 11 Dec 2018 04:21
 Operator : JU/SJ
 Sample : J6077-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9Y04

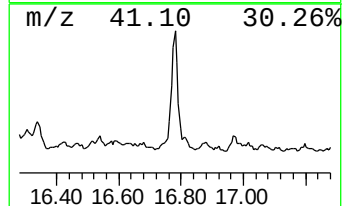
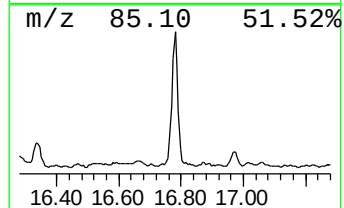
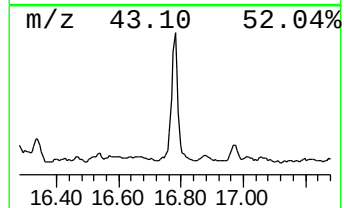
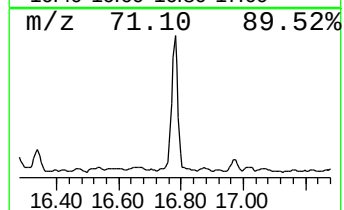
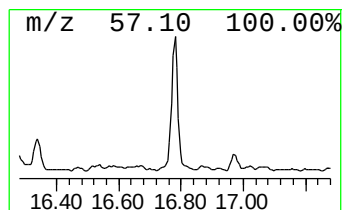
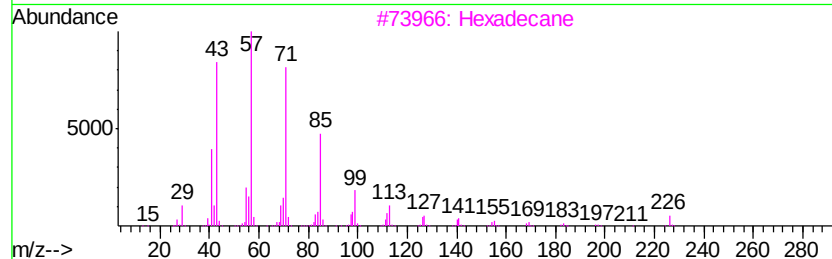
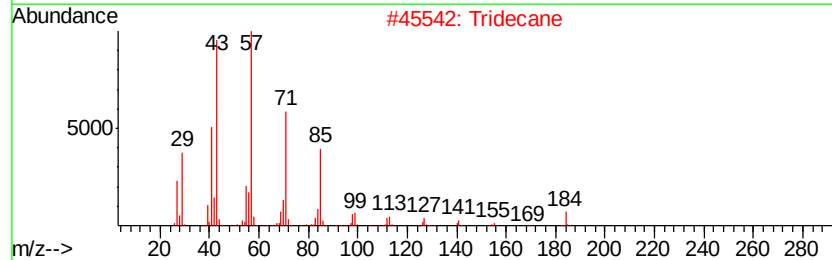
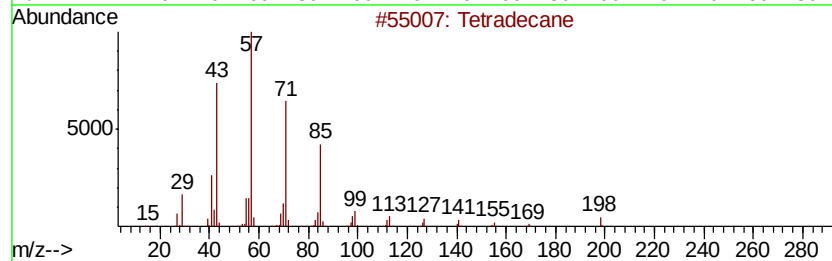
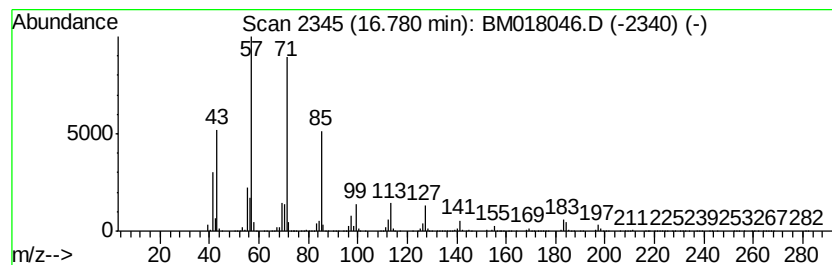
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
 Quant Title : SVOA CALIBRATION

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

 Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	27.05 ng/ul	3808740	Phenanthrene-d10	16.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		Tridecane	184	C13H28	000629-50-5	90
3		Hexadecane	226	C16H34	000544-76-3	87
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018046.D
Acq On : 11 Dec 2018 04:21
Operator : JU/SJ
Sample : J6077-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y04

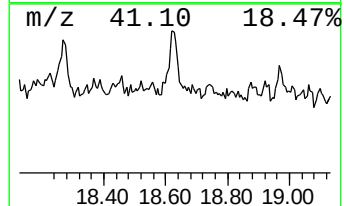
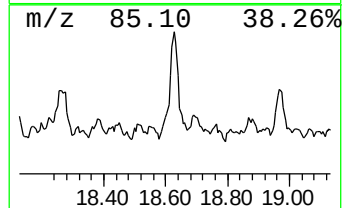
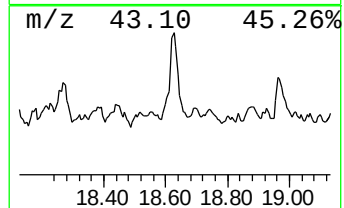
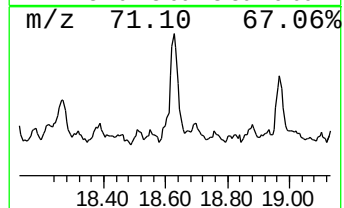
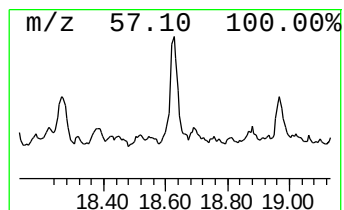
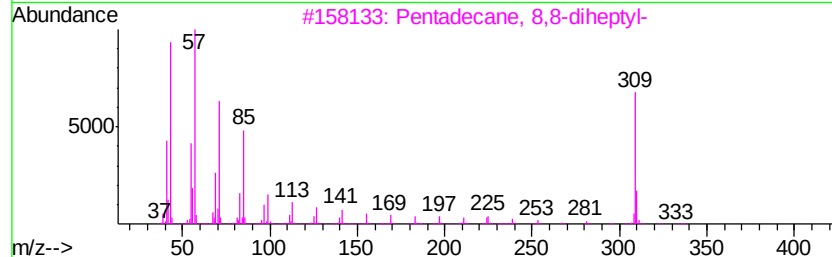
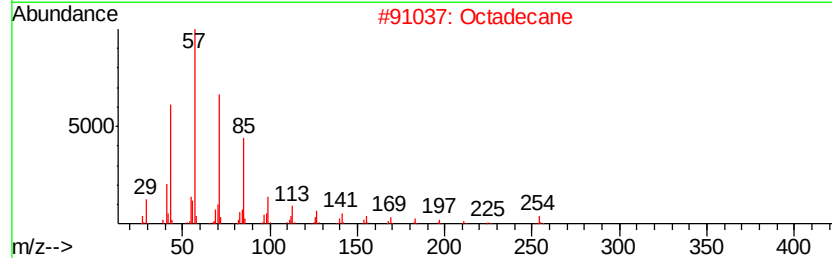
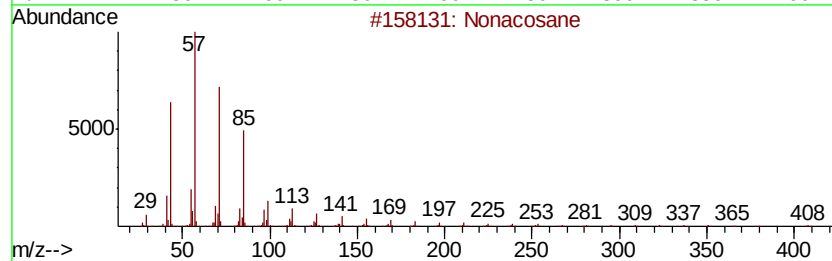
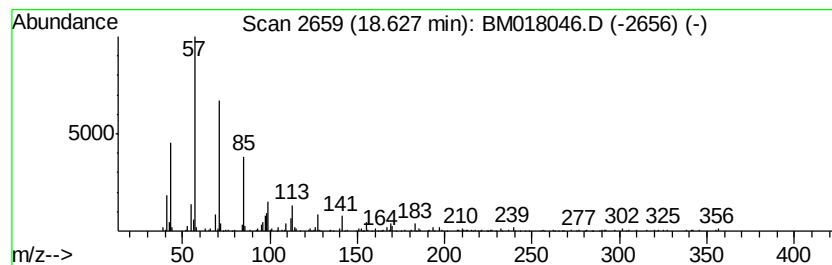
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.07 ng/ul	572730	Phenanthrene-d10	16.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonacosane	408	C29H60	000630-03-5	86
2		Octadecane	254	C18H38	000593-45-3	86
3		Pentadecane, 8,8-diheptyl-	408	C29H60	055268-72-9	86
4		Octadecane, 3-methyl-	268	C19H40	006561-44-0	86
5		Octacosane	394	C28H58	000630-02-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121018\
 Data File : BM018046.D
 Acq On : 11 Dec 2018 04:21
 Operator : JU/SJ
 Sample : J6077-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9Y04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
 Quant Title : SVOA CALIBRATION

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	4.80	15.4	ng/ul	877077	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	5.45	8.6	ng/ul	487227	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	5.53	10.8	ng/ul	613590	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	5.85	17.3	ng/ul	984430	1	7.55	1138090	20.0
Cyclohexaneethano...	6.07	22.2	ng/ul	1260900	1	7.55	1138090	20.0
(DEL) Alkane: Str...	6.12	23.1	ng/ul	1317580	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	6.20	22.8	ng/ul	1298210	1	7.55	1138090	20.0
(DEL) Alkane: Str...	6.23	22.2	ng/ul	1263150	1	7.55	1138090	20.0
(DEL) Alkane: Str...	6.43	9.4	ng/ul	533005	1	7.55	1138090	20.0
unknown-01	6.54	12.4	ng/ul	705945	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	6.69	24.8	ng/ul	1410930	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	7.00	8.4	ng/ul	480479	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	7.03	13.4	ng/ul	761880	1	7.55	1138090	20.0
unknown-02	7.45	16.6	ng/ul	942980	1	7.55	1138090	20.0
(DEL) Alkane: Str...	7.60	8.4	ng/ul	478398	1	7.55	1138090	20.0
unknown-03	7.72	15.8	ng/ul	900669	1	7.55	1138090	20.0
(DEL) Alkane: Str...	7.79	10.1	ng/ul	571634	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	7.82	15.2	ng/ul	866314	1	7.55	1138090	20.0
unknown-04	7.88	8.4	ng/ul	479936	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	8.09	16.7	ng/ul	950810	1	7.55	1138090	20.0
Naphthalene, deca...	8.36	14.3	ng/ul	811480	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	8.60	16.2	ng/ul	920916	1	7.55	1138090	20.0
Benzene, 4-ethyl-...	8.63	35.1	ng/ul	1999540	1	7.55	1138090	20.0
(DEL) Alkane: Cyc...	8.84	13.7	ng/ul	779729	1	7.55	1138090	20.0
unknown-05	8.87	23.5	ng/ul	1336860	1	7.55	1138090	20.0
1H-Indene, 2,3-di...	8.98	7.7	ng/ul	1032220	2	10.32	2696380	20.0
trans-4a-Methyl-d...	9.23	9.5	ng/ul	1279230	2	10.32	2696380	20.0
trans-Decalin, 2-...	9.49	14.7	ng/ul	1983440	2	10.32	2696380	20.0
Benzene, 1,2,4,5-...	9.73	20.4	ng/ul	2747360	2	10.32	2696380	20.0
unknown-06	10.04	8.4	ng/ul	1129840	2	10.32	2696380	20.0
unknown-07	10.10	3.8	ng/ul	508465	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	10.17	4.9	ng/ul	662407	2	10.32	2696380	20.0
unknown-08	10.60	4.1	ng/ul	557787	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	10.80	10.8	ng/ul	1461000	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	10.98	9.4	ng/ul	1267990	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	11.01	10.3	ng/ul	1385830	2	10.32	2696380	20.0
unknown-09	11.15	4.4	ng/ul	587532	2	10.32	2696380	20.0
(DEL) Alkane: Str...	11.34	42.3	ng/ul	5705010	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	11.59	11.2	ng/ul	1503020	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	11.67	7.2	ng/ul	967748	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	11.73	4.7	ng/ul	626612	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	12.15	4.7	ng/ul	628559	2	10.32	2696380	20.0
(DEL) Alkane: Cyc...	12.46	9.5	ng/ul	1724670	3	14.20	3638550	20.0
(DEL) Alkane: Cyc...	12.60	4.7	ng/ul	846154	3	14.20	3638550	20.0
(DEL) Alkane: Str...	12.72	28.5	ng/ul	5182260	3	14.20	3638550	20.0
(DEL) Alkane: Str...	12.99	7.8	ng/ul	1424160	3	14.20	3638550	20.0
(DEL) Alkane: Str...	13.04	7.8	ng/ul	1418210	3	14.20	3638550	20.0
(DEL) Alkane: Str...	14.05	3.7	ng/ul	679973	3	14.20	3638550	20.0
(DEL) Alkane: Str...	14.62	10.5	ng/ul	1906640	3	14.20	3638550	20.0

(DEL)	Alkane: Str...	15.48	28.3	ng/ul	5141460	3	14.20	3638550	20.0
(DEL)	Alkane: Str...	15.68	6.4	ng/ul	895193	4	16.96	2815870	20.0
(DEL)	Alkane: Str...	15.96	44.0	ng/ul	6193080	4	16.96	2815870	20.0
(DEL)	Alkane: Str...	16.78	27.1	ng/ul	3808740	4	16.96	2815870	20.0
(DEL)	Alkane: Str...	18.63	4.1	ng/ul	572730	4	16.96	2815870	20.0

Instrument :

BNA_M

ClientSampleId :

F9Y04