

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
 Data File : BM012164.D
 Acq On : 14 Oct 2017 09:16
 Operator : SJ/JU
 Sample : I5611-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-44(5-5.5)_100217

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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	5.445	394	401	418	rVB	501028	1018662	17.60%	0.774%
2	5.816	459	464	472	rVB	370675	600634	10.38%	0.457%
3	6.069	499	507	514	rBV4	353087	990573	17.12%	0.753%
4	6.187	521	527	534	rVB2	211139	441342	7.63%	0.336%
5	6.287	537	544	551	rBV5	340402	1054762	18.23%	0.802%
6	6.351	551	555	559	rBV	646497	811638	14.03%	0.617%
7	6.398	559	563	566	rBV2	248566	394153	6.81%	0.300%
8	6.440	566	570	572	rBV2	472417	730736	12.63%	0.555%
9	6.551	585	589	594	rVB2	274512	432259	7.47%	0.329%
10	6.616	594	600	605	rBV3	365734	617468	10.67%	0.469%
11	6.792	625	630	635	rVB2	559348	861351	14.88%	0.655%
12	6.892	643	647	651	rBV2	535090	819485	14.16%	0.623%
13	6.945	651	656	662	rBV2	1177329	2458438	42.48%	1.869%
14	7.034	668	671	675	rVB2	296293	439902	7.60%	0.334%
15	7.128	682	687	693	rVV5	435969	863282	14.92%	0.656%
16	7.187	693	697	701	rVV4	507147	764321	13.21%	0.581%
17	7.251	701	708	710	rVV5	341339	666386	11.52%	0.507%
18	7.287	710	714	719	rVV2	861723	1600073	27.65%	1.216%
19	7.363	722	727	732	rVV3	753428	1462727	25.28%	1.112%
20	7.422	733	737	740	rVV	586882	762282	13.17%	0.579%
21	7.457	740	743	750	rVB2	566204	896891	15.50%	0.682%
22	7.522	750	754	759	rVB2	692566	1115099	19.27%	0.848%
23	7.628	765	772	778	rVB5	487349	1085415	18.76%	0.825%
24	7.722	778	788	792	rBV6	741393	2231224	38.56%	1.696%
25	7.775	793	797	802	rVV	1433097	2251066	38.90%	1.711%
26	7.822	802	805	809	rVV	578896	711591	12.30%	0.541%
27	7.869	809	813	819	rVB3	662892	1320057	22.81%	1.003%
28	7.928	819	823	829	rBV2	770119	1654685	28.59%	1.258%
29	7.992	829	834	837	rVV3	922631	1337152	23.11%	1.016%
30	8.028	837	840	847	rVV3	779194	1606628	27.76%	1.221%
31	8.092	847	851	858	rVB3	1434739	2283218	39.45%	1.736%
32	8.234	871	875	881	rVB6	328868	657007	11.35%	0.499%
33	8.304	881	887	889	rBV3	672925	1011744	17.48%	0.769%
34	8.339	889	893	895	rBV	452271	602818	10.42%	0.458%

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35	8.463	907	914	924	rBV4	1024588	3418958	59.08%	2.599%
36	8.645	940	945	949	rBV	1334767	2278946	39.38%	1.732%
37	8.822	972	975	980	rVB5	303151	467668	8.08%	0.356%
38	8.916	980	991	998	rBV3	2840305	5787054	100.00%	4.399%
39	9.004	1000	1006	1009	rBV4	1395667	2807813	48.52%	2.134%
40	9.122	1021	1026	1028	rBV3	662719	1108914	19.16%	0.843%
41	9.157	1028	1032	1041	rVB6	878458	2234153	38.61%	1.698%
42	9.263	1041	1050	1058	rBV6	531192	1535224	26.53%	1.167%
43	9.380	1066	1070	1076	rBV6	184763	407980	7.05%	0.310%
44	9.445	1076	1081	1085	rVV	1951454	2912389	50.33%	2.214%
45	9.504	1085	1091	1093	rVV2	582287	1154685	19.95%	0.878%
46	9.533	1093	1096	1107	rVB4	718764	1447006	25.00%	1.100%
47	9.698	1117	1124	1126	rBV3	499166	974352	16.84%	0.741%
48	9.728	1127	1129	1135	rVB	613889	838069	14.48%	0.637%
49	9.792	1135	1140	1149	rBV6	800894	2156531	37.26%	1.639%
50	9.869	1149	1153	1161	rVB5	333436	752416	13.00%	0.572%
51	10.022	1172	1179	1185	rBV2	2133981	3861931	66.73%	2.936%
52	10.080	1185	1189	1195	rVB2	312542	510408	8.82%	0.388%
53	10.192	1201	1208	1213	rBV5	326067	775345	13.40%	0.589%
54	10.257	1213	1219	1224	rVV	403189	733027	12.67%	0.557%
55	10.316	1224	1229	1236	rVB	507516	935853	16.17%	0.711%
56	10.498	1252	1260	1263	rBV5	217478	467646	8.08%	0.355%
57	10.575	1268	1273	1274	rVV3	399312	586987	10.14%	0.446%
58	10.627	1277	1282	1285	rVV	1146375	2332177	40.30%	1.773%
59	10.669	1285	1289	1295	rVV3	724615	1725009	29.81%	1.311%
60	10.733	1295	1300	1302	rVV2	294537	539426	9.32%	0.410%
61	10.763	1302	1305	1310	rVV3	314563	519895	8.98%	0.395%
62	10.827	1311	1316	1323	rVB	411245	716423	12.38%	0.545%
63	11.527	1430	1435	1441	rVB4	181679	390925	6.76%	0.297%
64	11.622	1447	1451	1456	rBV	333064	501722	8.67%	0.381%
65	12.292	1560	1565	1571	rVB	354960	577983	9.99%	0.439%
66	12.510	1597	1602	1613	rVB2	317123	526133	9.09%	0.400%
67	12.986	1678	1683	1689	rVB	277386	410656	7.10%	0.312%
68	13.274	1722	1732	1739	rBV6	136154	425163	7.35%	0.323%
69	13.792	1814	1820	1825	rBV3	207145	421605	7.29%	0.320%
70	13.880	1831	1835	1839	rVV	573006	848331	14.66%	0.645%
71	13.927	1839	1843	1848	rVB2	456439	690783	11.94%	0.525%

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72	14.168	1878	1884	1895	rVB	558436	1002192	17.32%	0.762%
73	14.474	1930	1936	1942	rVV2	1446461	2263744	39.12%	1.721%
74	15.468	2099	2105	2109	rVV	674847	988520	17.08%	0.751%
75	17.221	2397	2403	2407	rBV2	1770357	2579991	44.58%	1.961%
76	17.262	2407	2410	2415	rVV	1650293	2177789	37.63%	1.656%
77	17.321	2415	2420	2423	rVV	771606	1134676	19.61%	0.863%
78	17.356	2423	2426	2430	rVB	402348	524969	9.07%	0.399%
79	18.098	2547	2552	2556	rBV	470014	695592	12.02%	0.529%
80	18.145	2556	2560	2565	rVV	399361	587163	10.15%	0.446%
81	18.227	2569	2574	2579	rVV	214447	382137	6.60%	0.290%
82	18.292	2580	2585	2588	rVV2	493772	895286	15.47%	0.681%
83	18.327	2588	2591	2597	rVB	322270	473475	8.18%	0.360%
84	18.498	2615	2620	2625	rVV	741599	1028415	17.77%	0.782%
85	18.680	2647	2651	2655	rBV	599289	764833	13.22%	0.581%
86	18.827	2672	2676	2683	rVB2	431855	606473	10.48%	0.461%
87	19.015	2703	2708	2712	rBV	297457	484371	8.37%	0.368%
88	19.280	2747	2753	2757	rBV	2818436	3810586	65.85%	2.897%
89	19.321	2757	2760	2766	rVB	1529879	1911445	33.03%	1.453%
90	19.615	2805	2810	2812	rBV2	1436539	2103599	36.35%	1.599%
91	19.645	2812	2815	2823	rVV	2592077	3548793	61.32%	2.698%
92	20.050	2880	2884	2888	rBV	1117256	1348630	23.30%	1.025%
93	20.133	2895	2898	2903	rVB	514666	707074	12.22%	0.538%
94	20.239	2912	2916	2919	rBV	432731	583082	10.08%	0.443%
95	21.086	3057	3060	3064	rVB	417540	459623	7.94%	0.349%
96	21.397	3107	3113	3117	rBV2	2840335	5383777	93.03%	4.093%
97	21.439	3117	3120	3128	rVB	1440394	1814514	31.35%	1.379%
98	23.015	3384	3388	3401	rVB	1211567	3442783	59.49%	2.617%
99	23.615	3487	3490	3499	rVB	1132441	1937809	33.49%	1.473%
100	23.715	3503	3507	3513	rVB	1414473	2570783	44.42%	1.954%

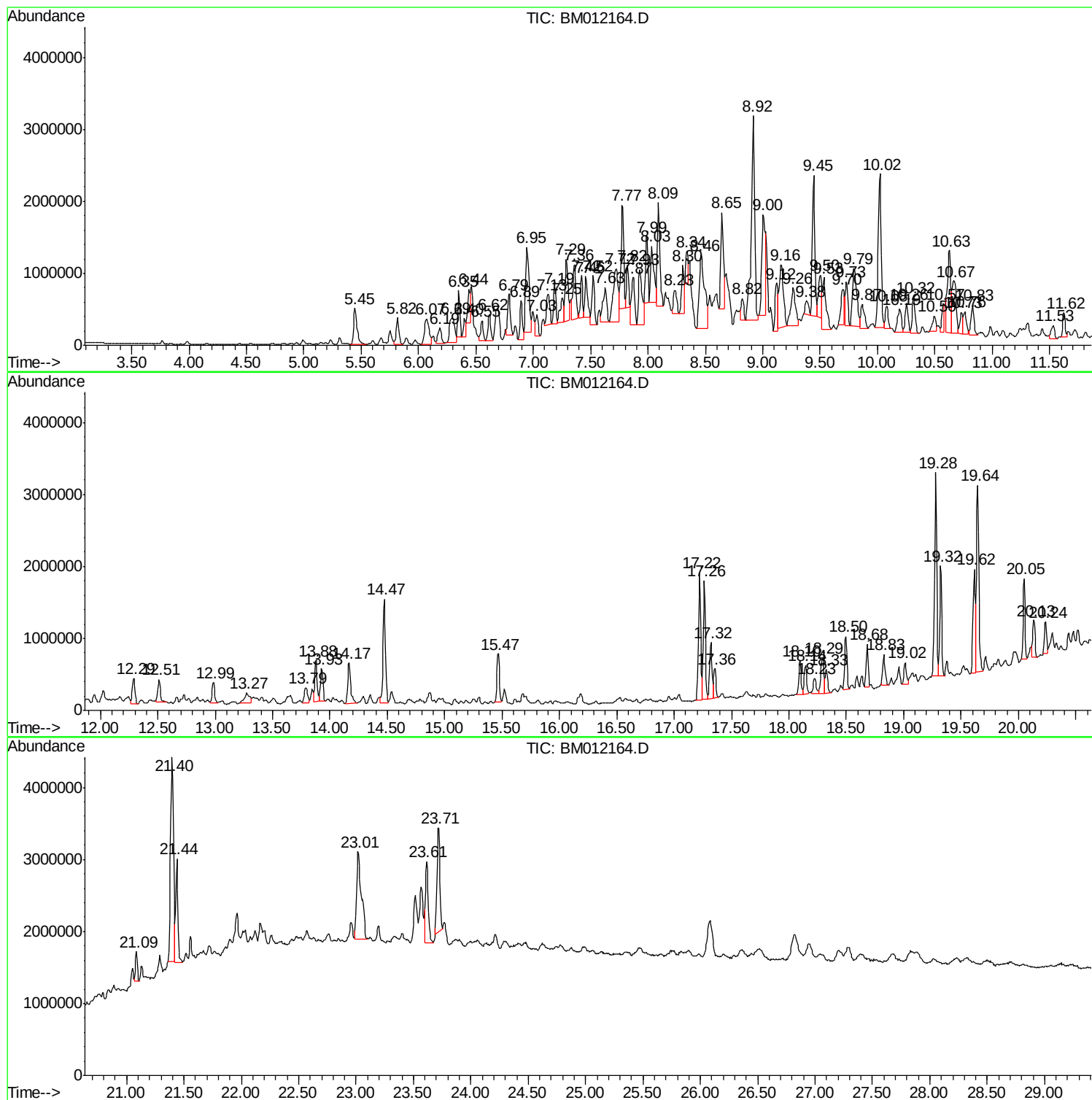
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



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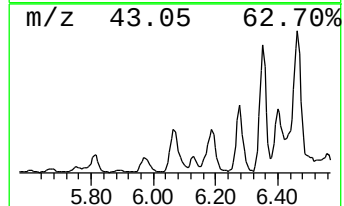
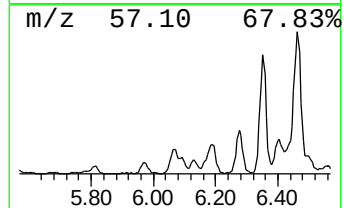
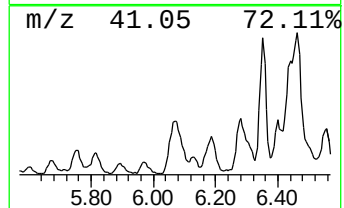
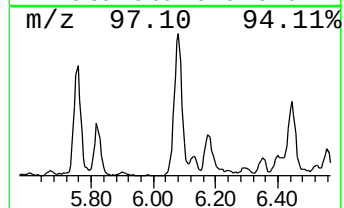
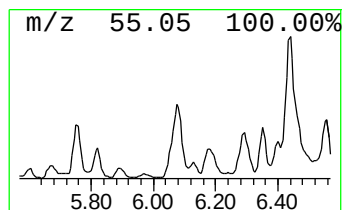
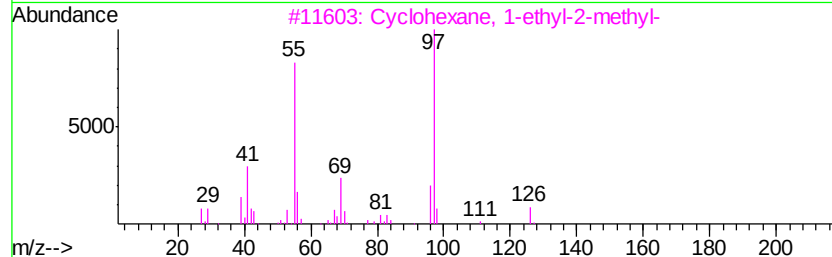
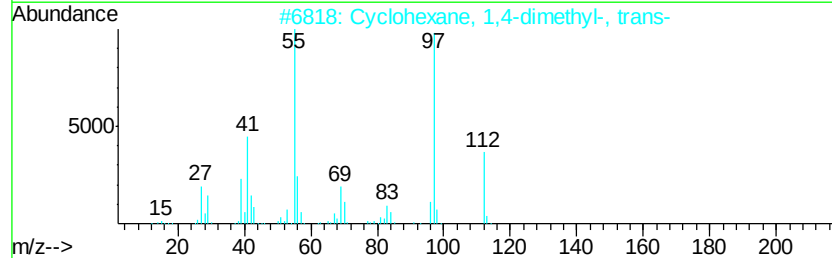
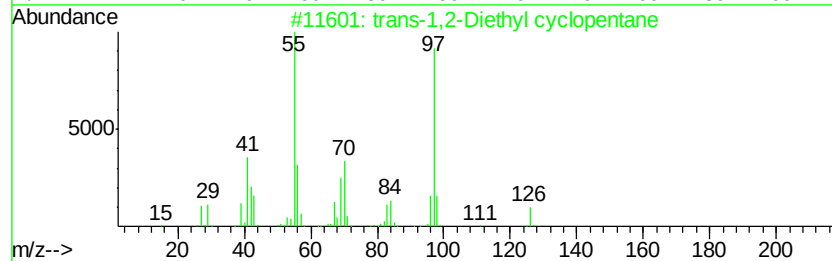
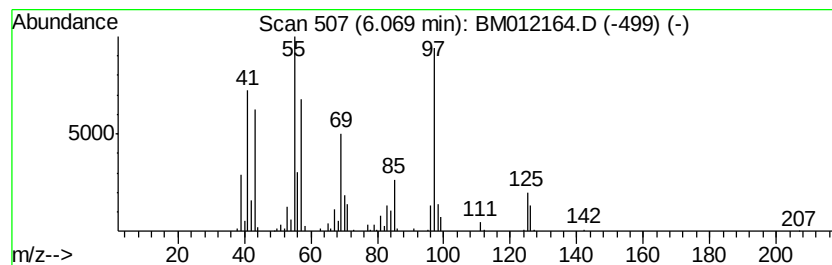
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 (DEL) Alkane: Cyclic6.07 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	27.84 ng/ul	990573	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	64
2		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	53
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52
4		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	25
5		trans--4-Nonene	126	C9H18	010405-85-3	20



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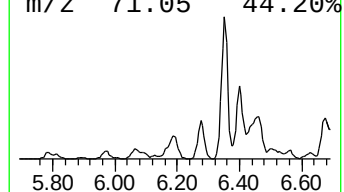
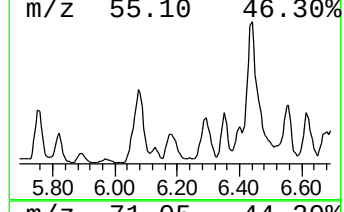
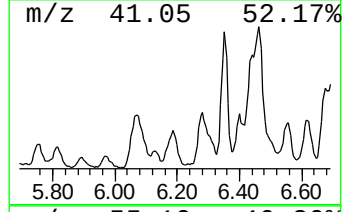
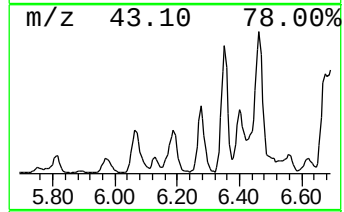
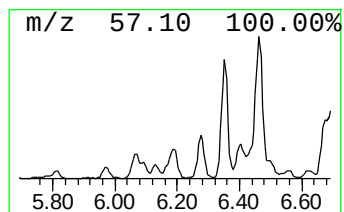
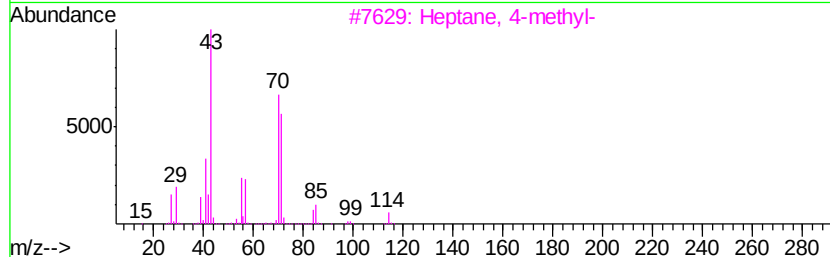
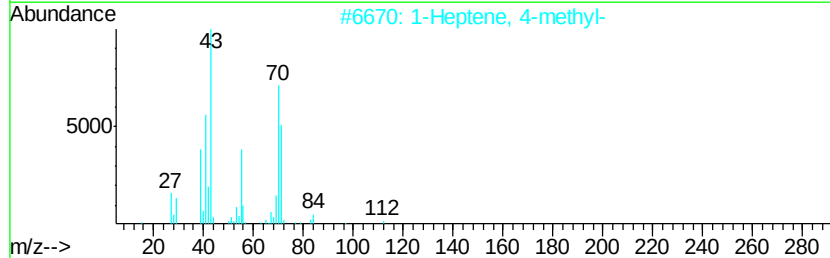
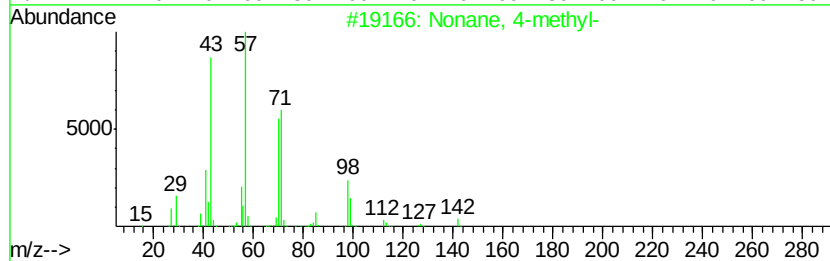
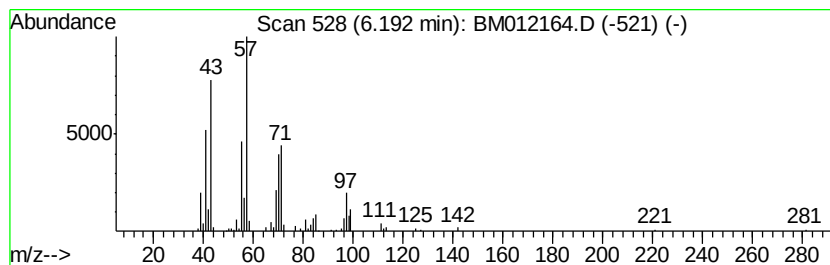
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic6.19 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	12.40 ng/ul	441342	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	68
2		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	55
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	50
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	49
5		Nonane, 4-methyl-	142	C10H22	017301-94-9	49



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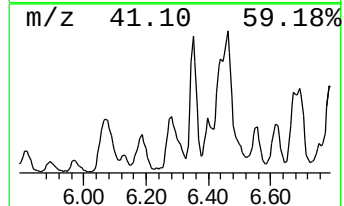
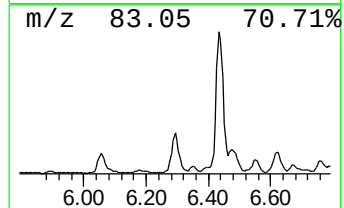
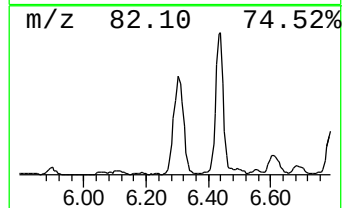
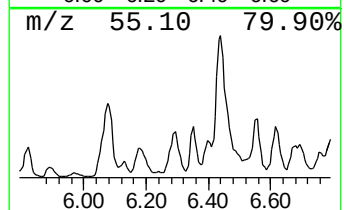
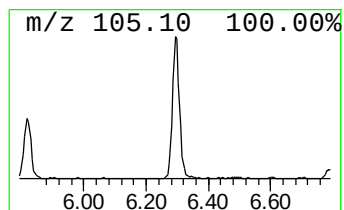
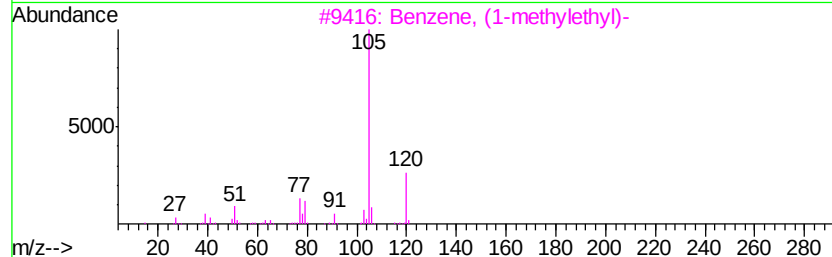
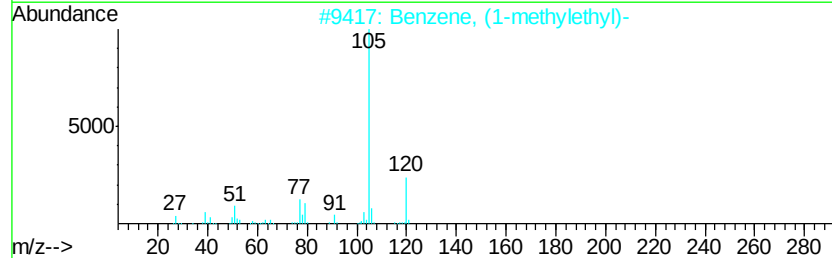
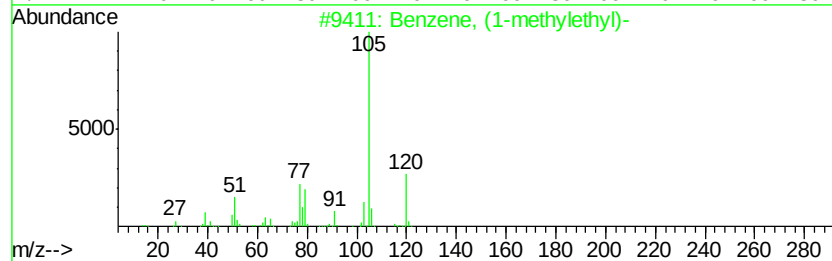
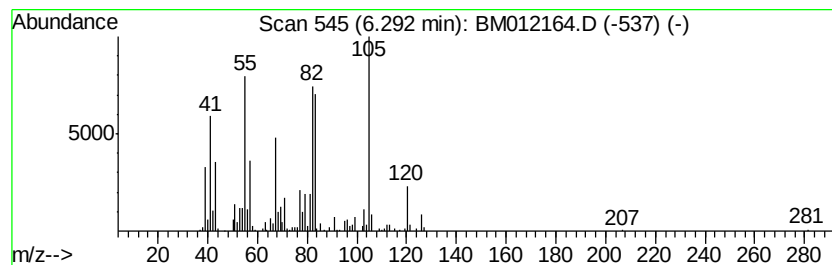
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	29.65 ng/ul	1054760	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	44
2		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	25
3		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	25
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	25
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	25



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Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

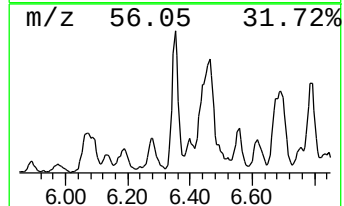
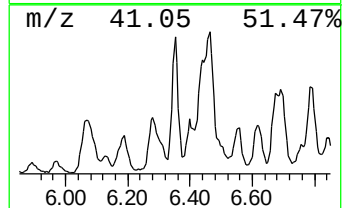
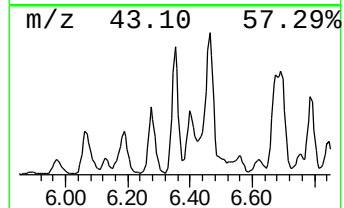
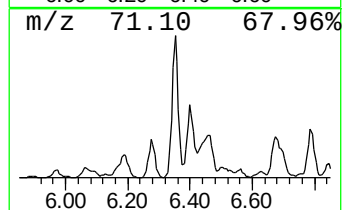
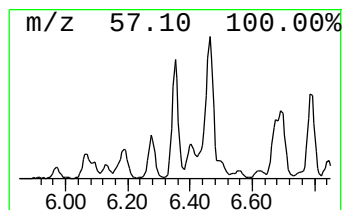
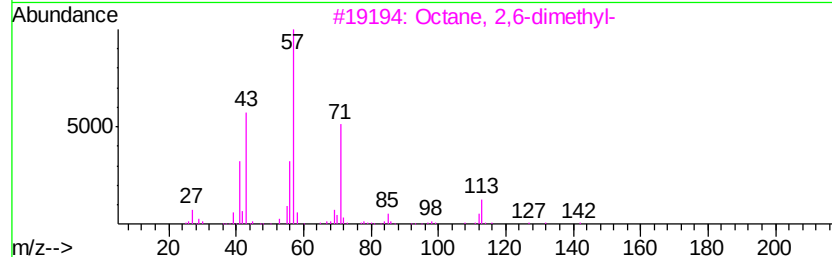
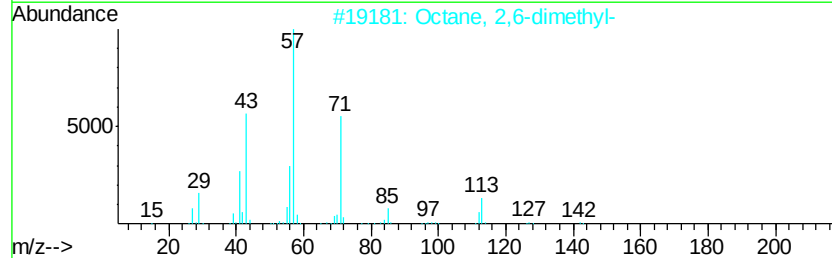
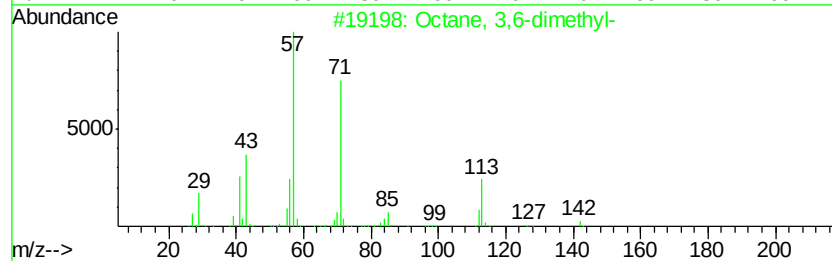
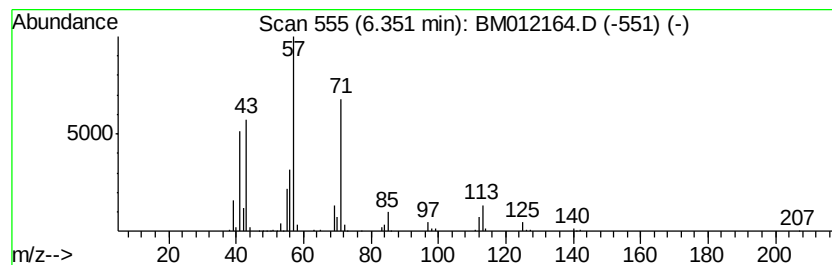
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	22.81 ng/ul	811638	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	87
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
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Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

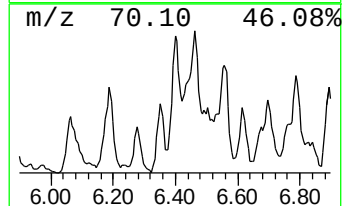
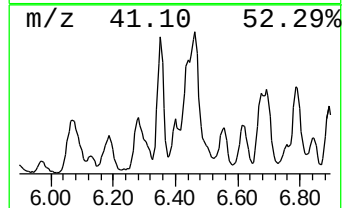
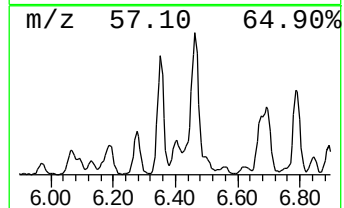
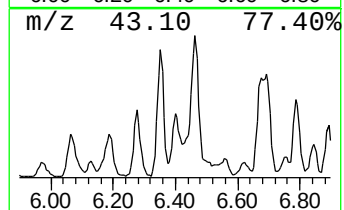
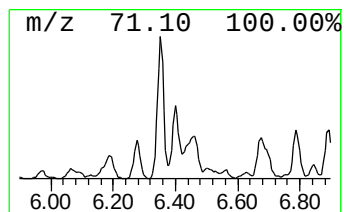
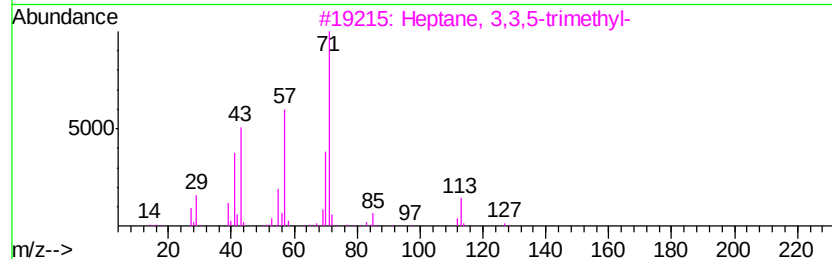
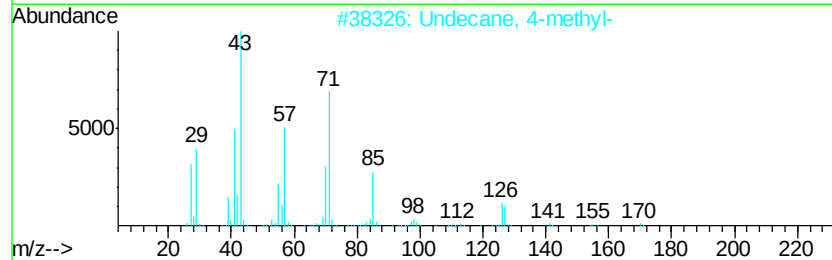
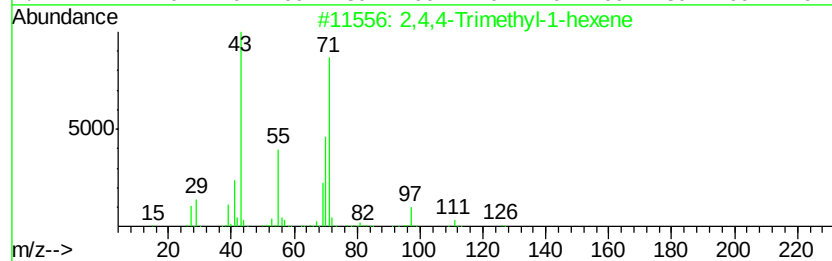
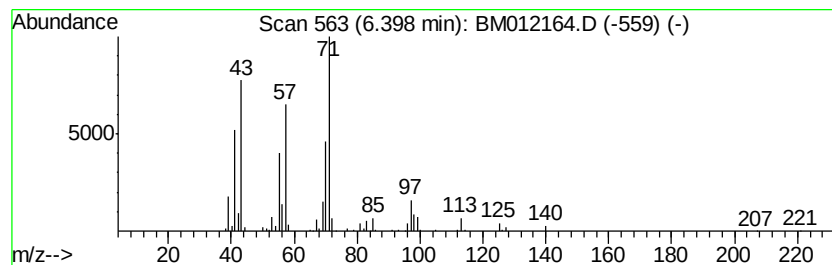
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Cyclic6.40 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	11.08 ng/ul	394153	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4-Trimethyl-1-hexene			126	C9H18	051174-12-0	64
2	Undecane, 4-methyl-			170	C12H26	002980-69-0	59
3	Heptane, 3,3,5-trimethyl-			142	C10H22	007154-80-5	59
4	1-Butanol, 2,2-dimethyl-			102	C6H14O	001185-33-7	59
5	Ethanedioic acid, bis(3-methylbu...			230	C12H22O4	002051-00-5	59



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

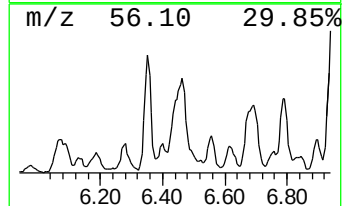
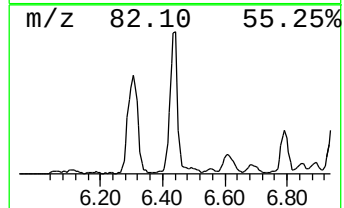
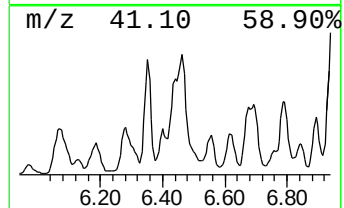
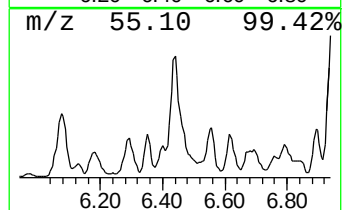
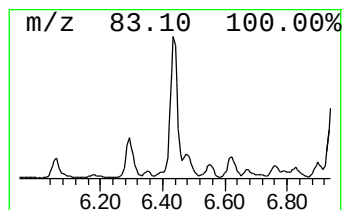
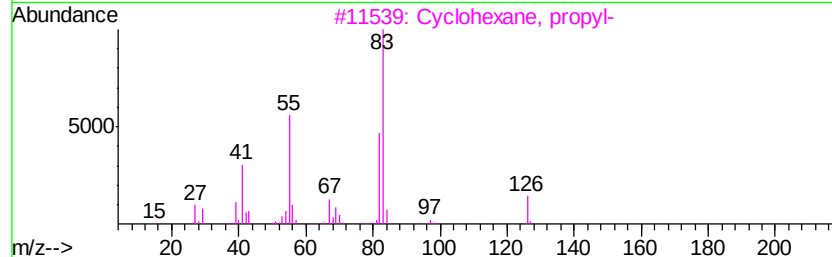
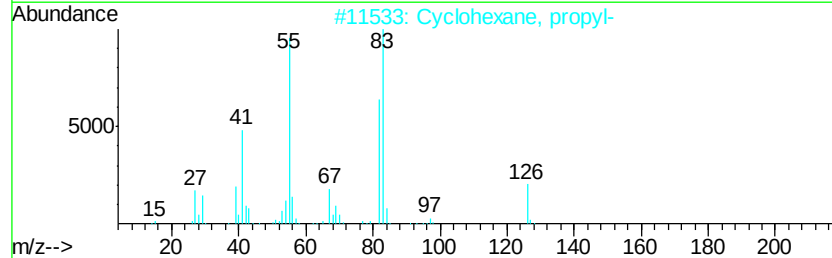
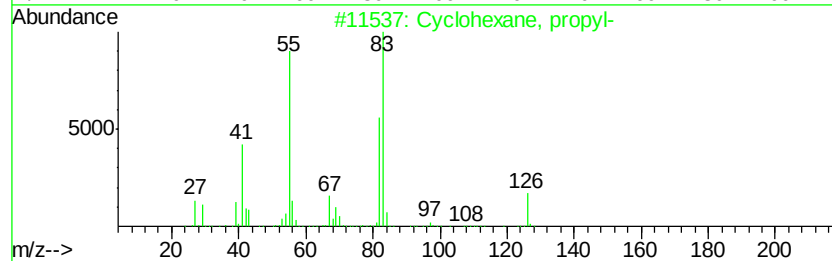
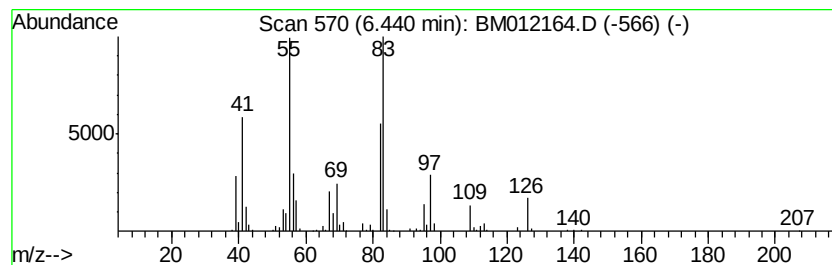
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic6.44 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	20.54 ng/ul	730736	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	68
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	58
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
5		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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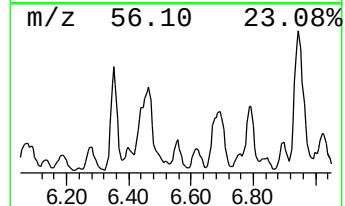
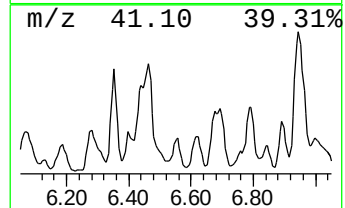
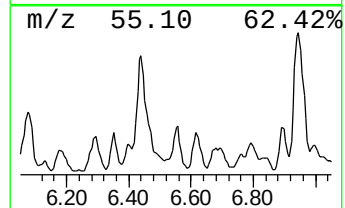
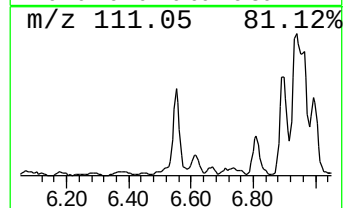
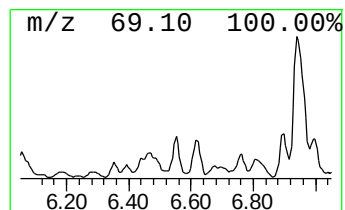
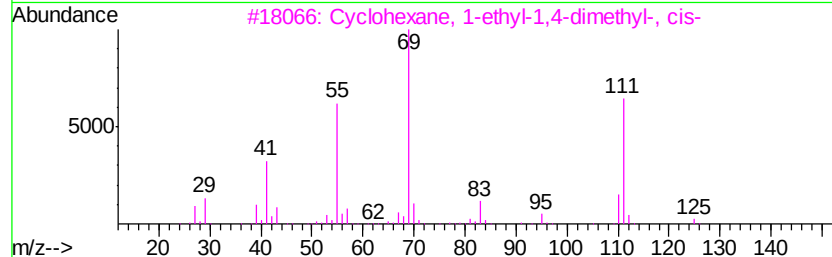
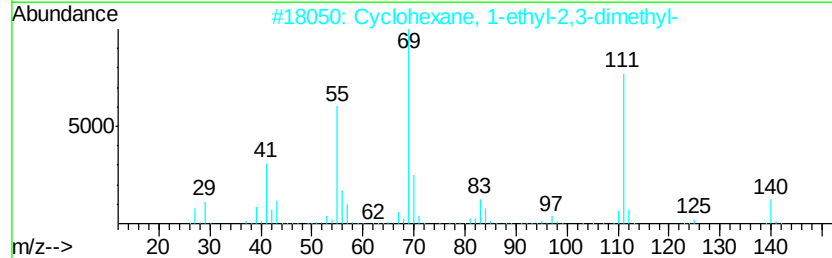
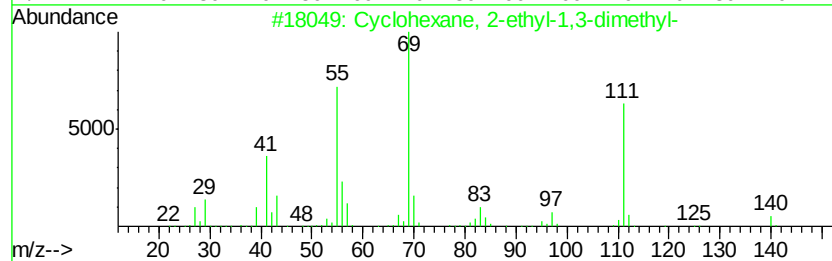
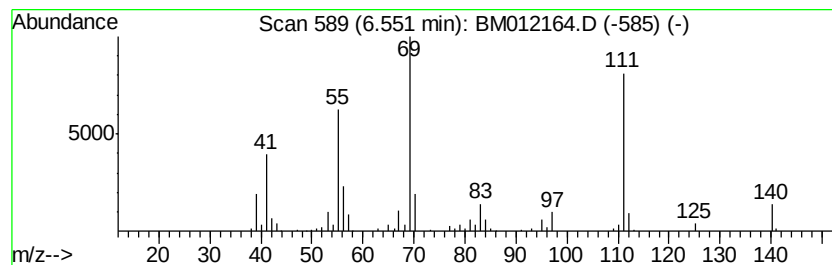
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Cyclic6.55 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	12.15 ng/ul	432259	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	87
2		Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
3		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	64
4		Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	64
5		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	59



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
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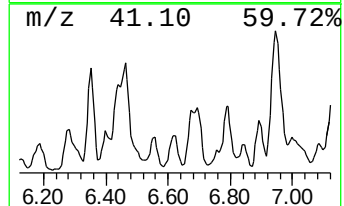
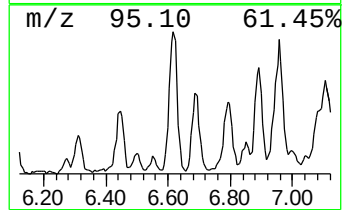
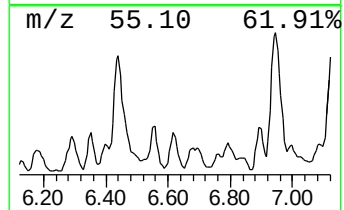
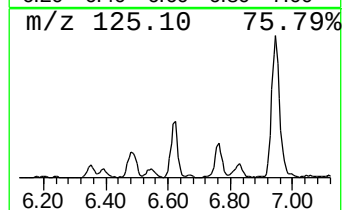
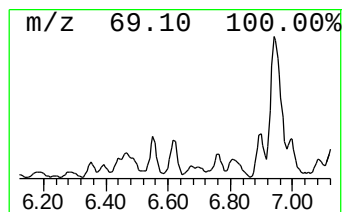
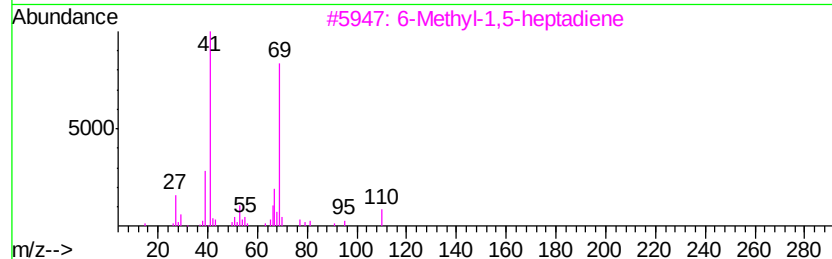
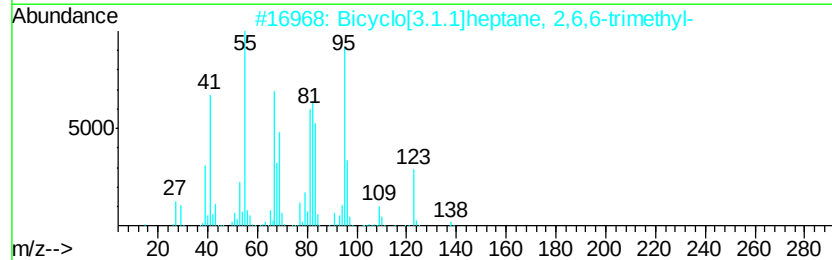
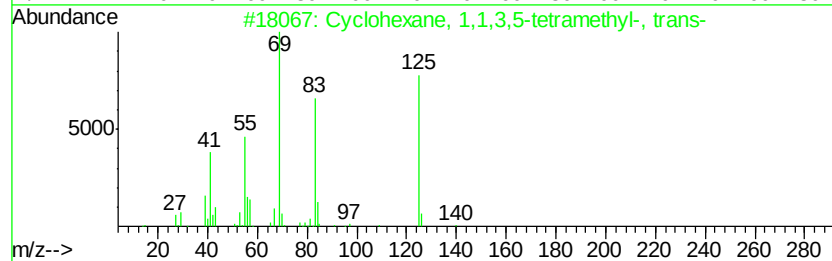
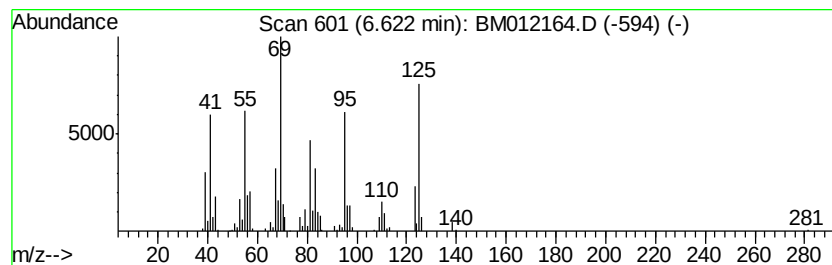
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Cyclic6.62 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	17.35 ng/ul	617468	1,4-Dichlorobenzene-d4	7.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-31-8 46
2		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138 C10H18	000473-55-2 42
3		6-Methyl-1,5-heptadiene	110 C8H14	007270-50-0 38
4		1-(1-Propynyl)cyclohexanol	138 C9H14O	000697-37-0 38
5		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138 C10H18	004795-86-2 30



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
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ALS Vial : 21 Sample Multiplier: 1

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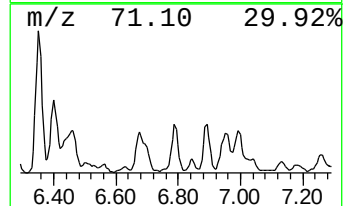
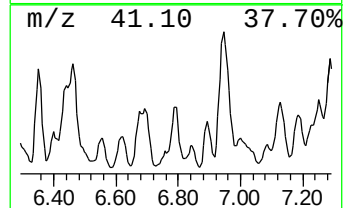
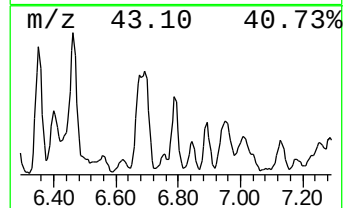
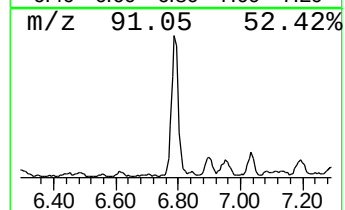
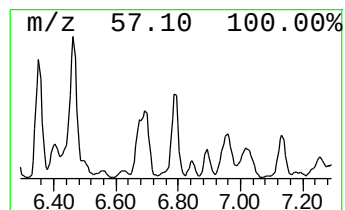
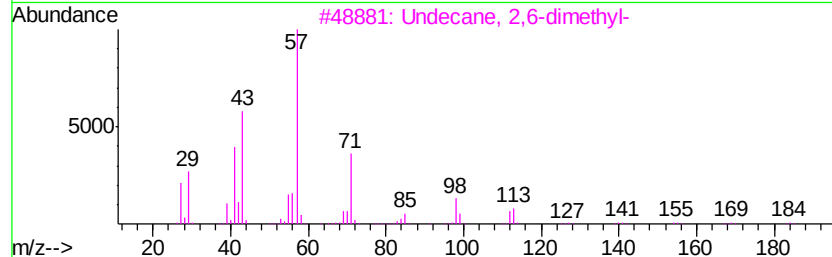
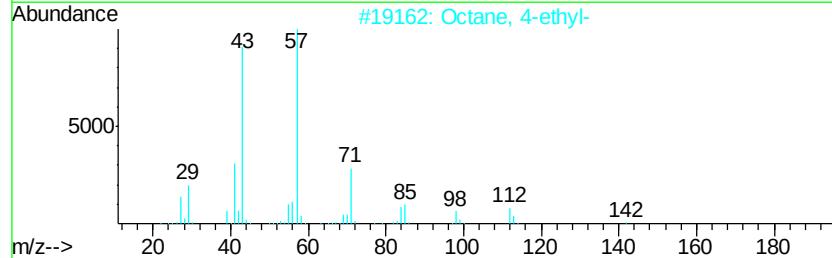
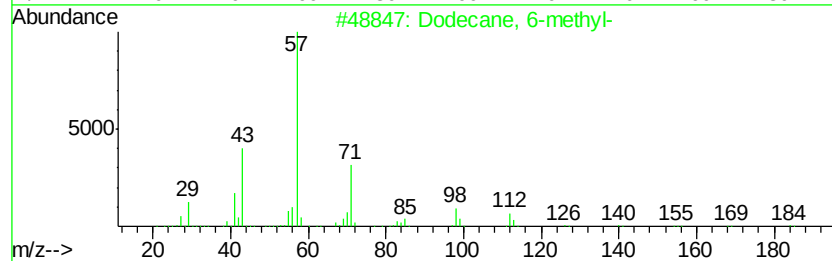
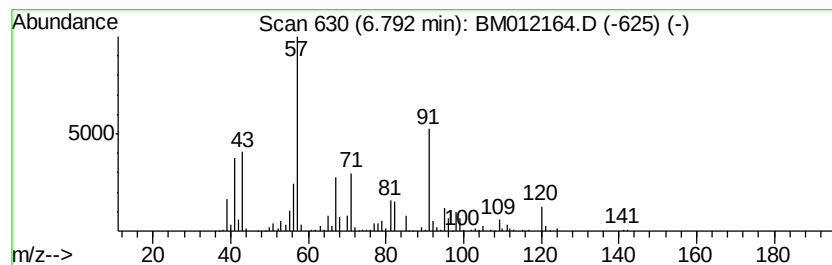
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	24.21 ng/ul	861351	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	38
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	38
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
4		Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	35
5		Octane, 3-methyl-	128	C9H20	002216-33-3	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

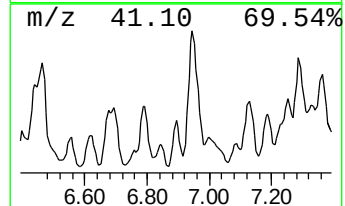
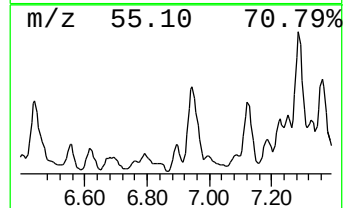
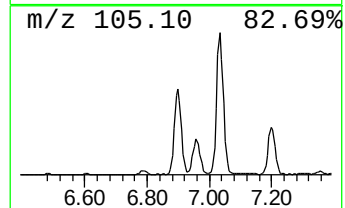
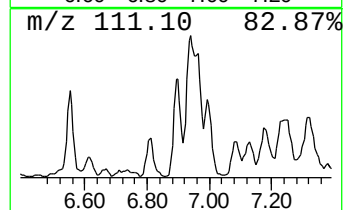
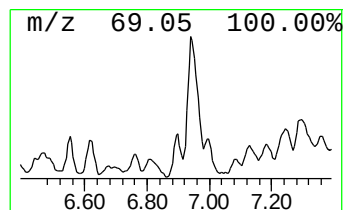
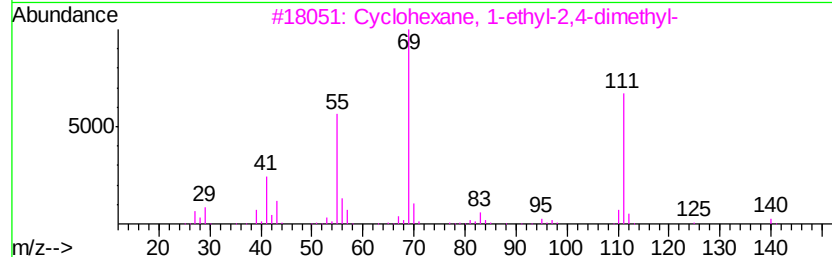
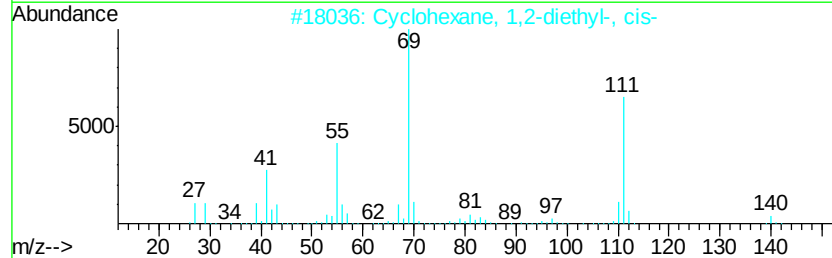
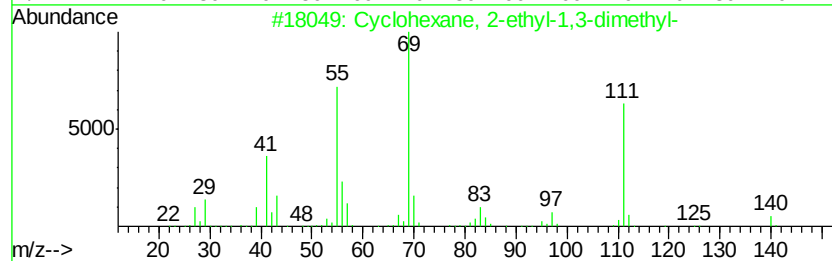
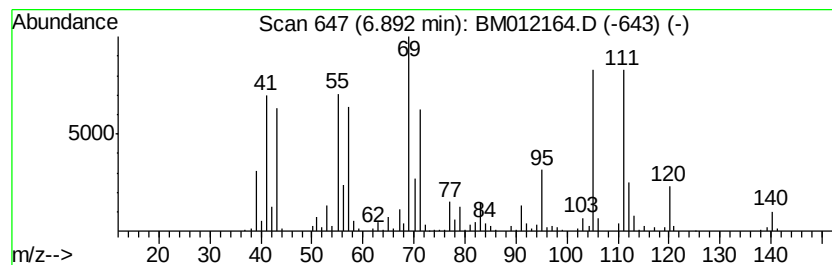
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Cyclic6.89 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	23.03 ng/ul	819485	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	53
2		Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	49
3		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	47
4		2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	42
5		3-Heptene, 4-methyl-	112	C8H16	004485-16-9	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

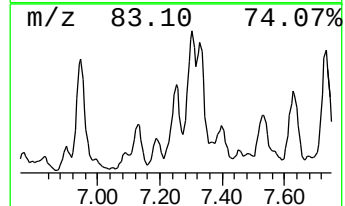
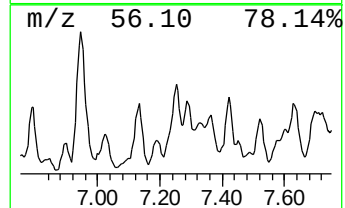
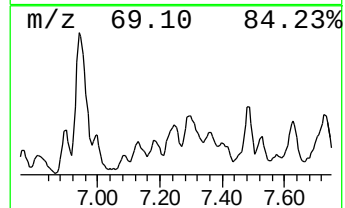
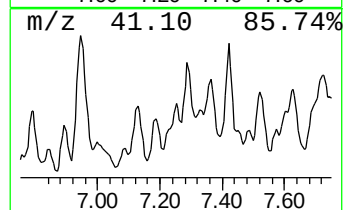
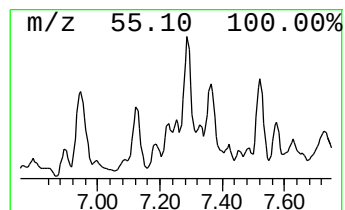
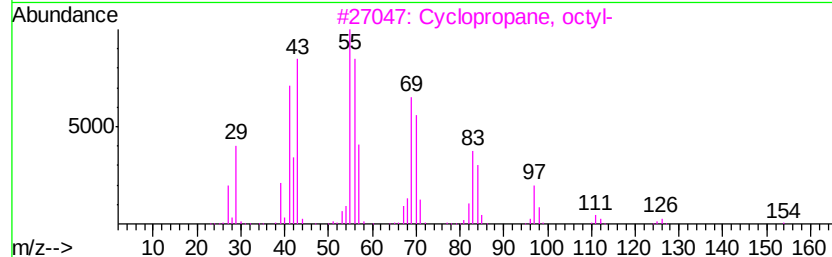
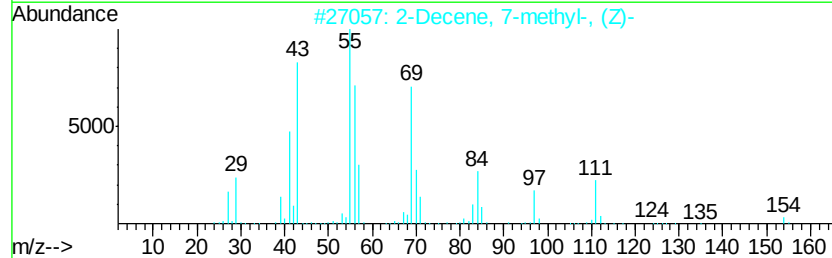
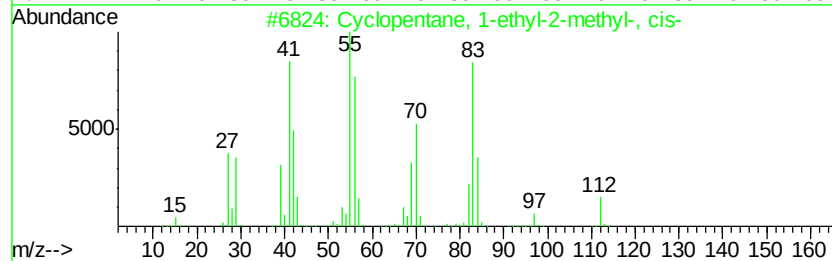
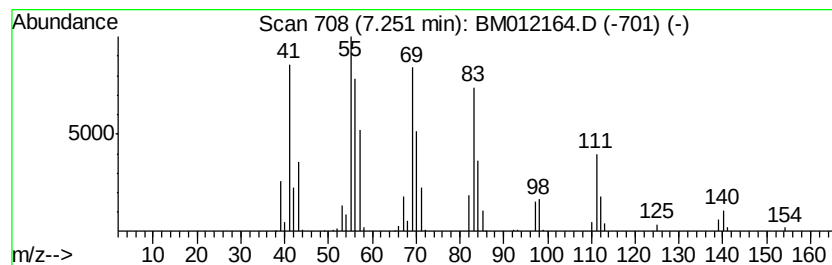
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 (DEL) Alkane: Cyclic7.25 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	18.73 ng/ul	666386	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	78
2		2-Decene, 7-methyl-, (Z)-	154	C11H22	074630-23-2	58
3		Cyclopropane, octyl-	154	C11H22	001472-09-9	52
4		3-Decene	140	C10H20	019398-37-9	52
5		Cyclopentanone, 3-butyl-	140	C9H16O	057283-81-5	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
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Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

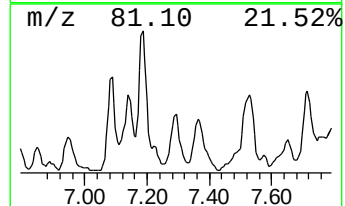
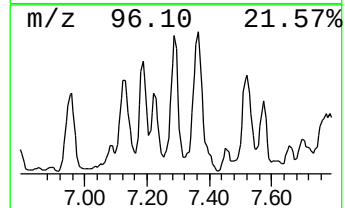
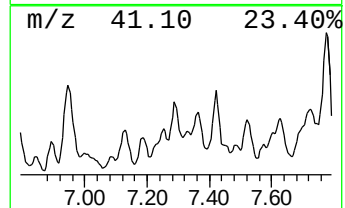
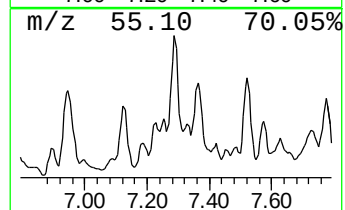
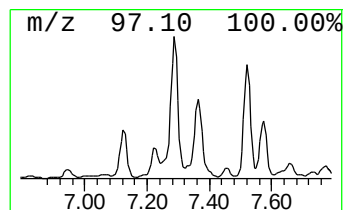
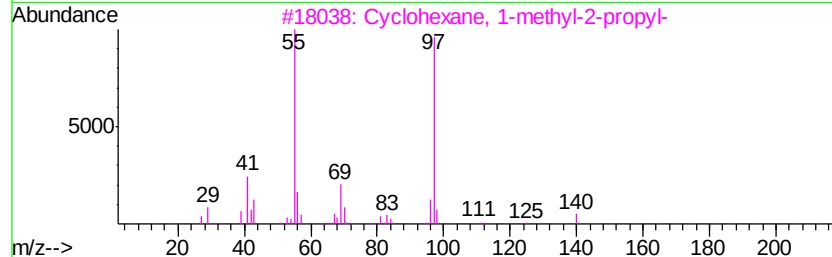
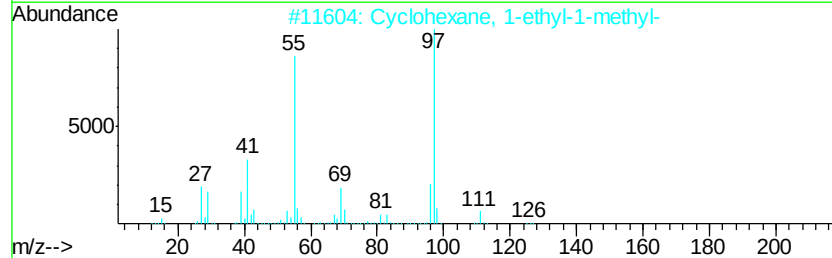
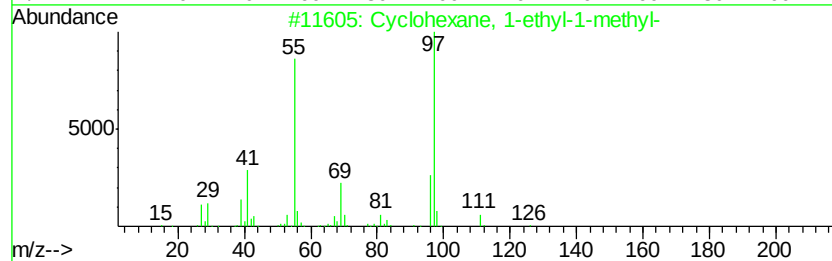
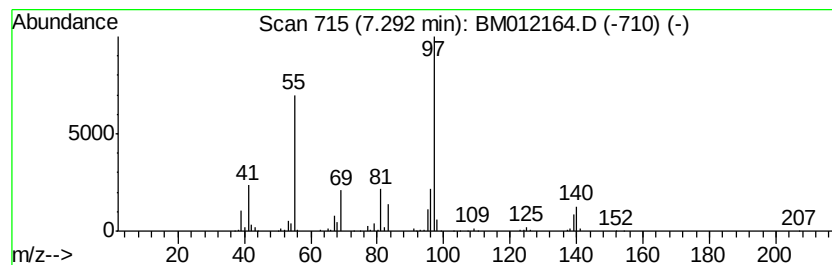
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Cyclic7.29 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	44.97 ng/ul	1600070	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	74
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
3		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

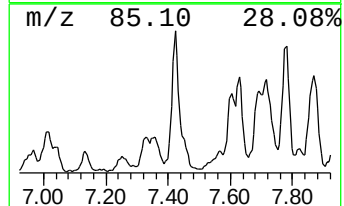
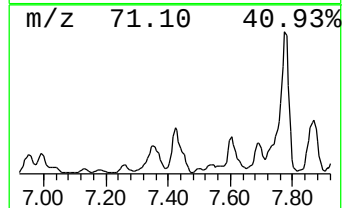
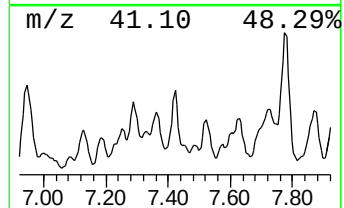
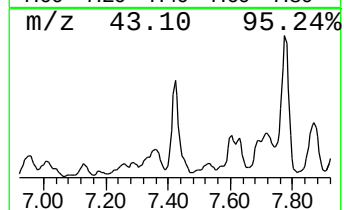
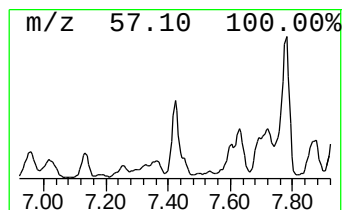
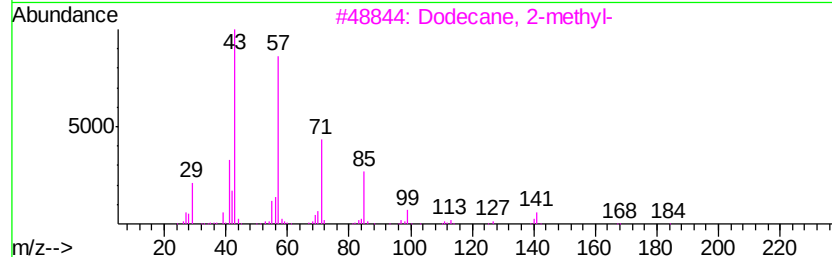
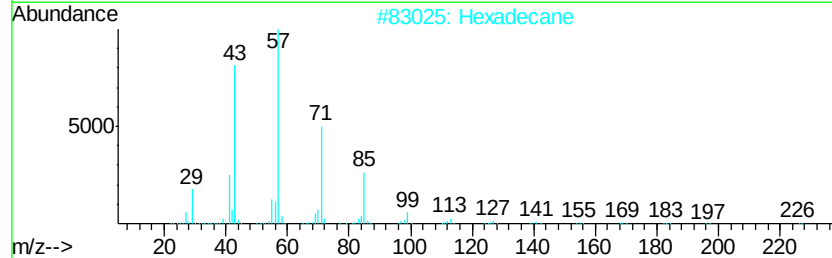
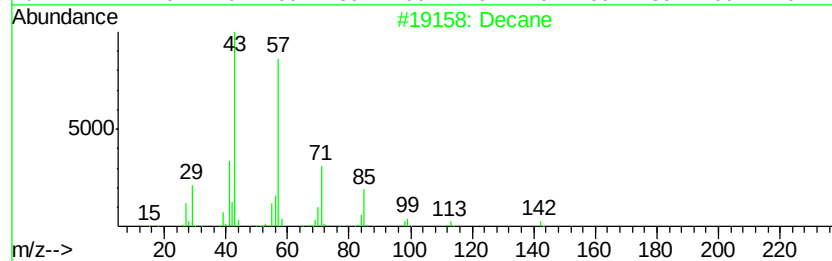
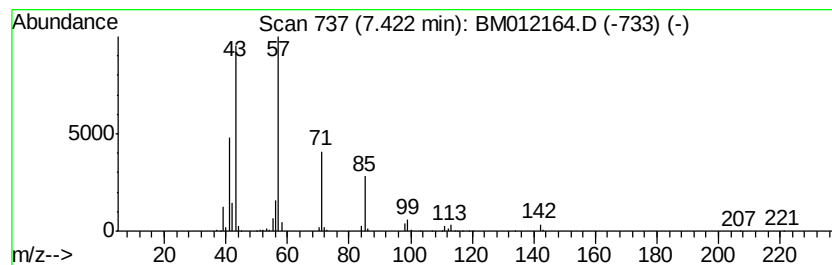
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	21.42 ng/ul	762282	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	90
2		Hexadecane	226	C16H34	000544-76-3	83
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
4		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
5		Nonane	128	C9H20	000111-84-2	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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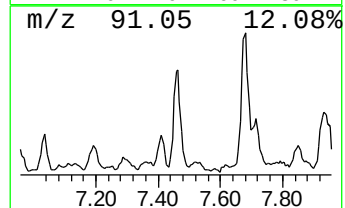
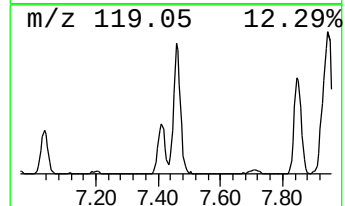
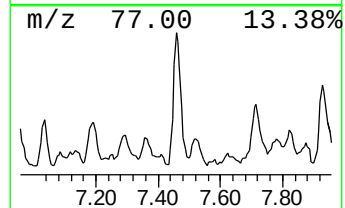
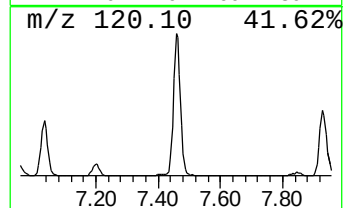
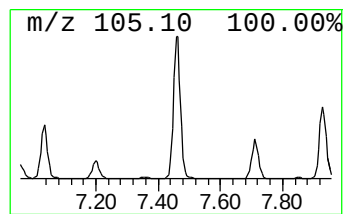
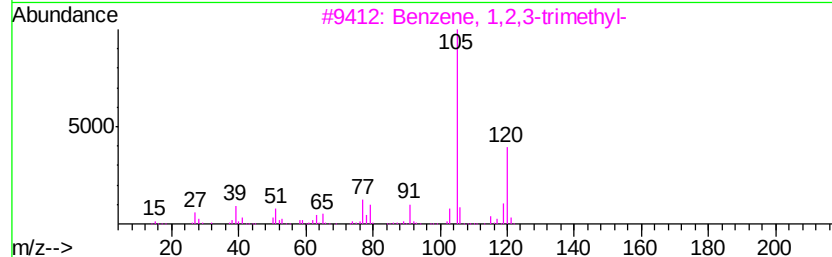
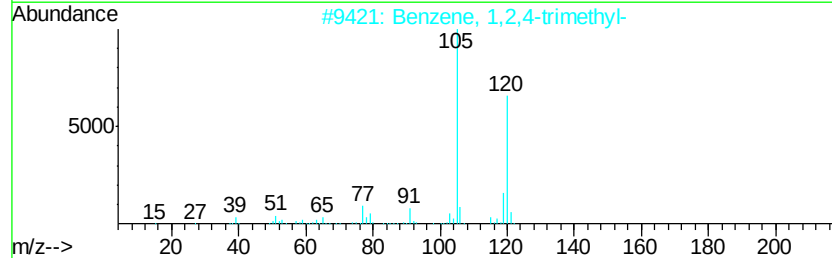
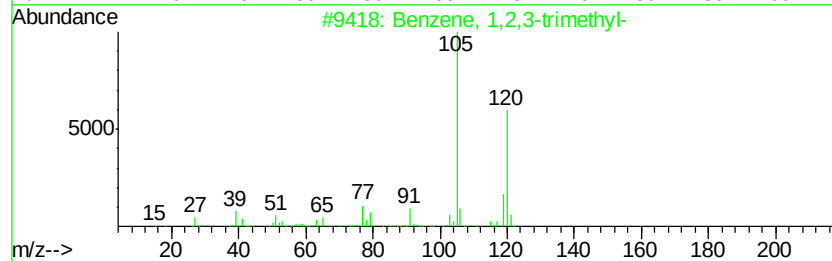
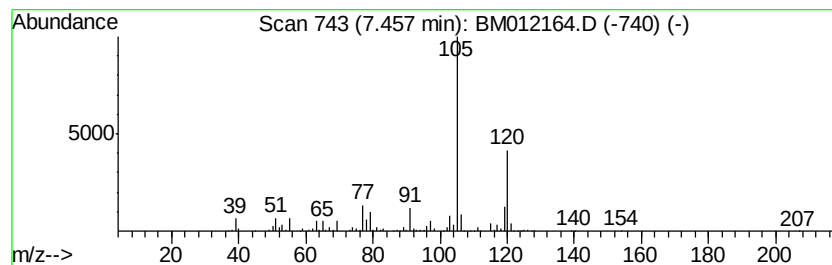
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	25.21 ng/ul	896891	1,4-Dichlorobenzene-d4	7.82

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
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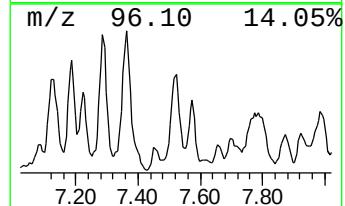
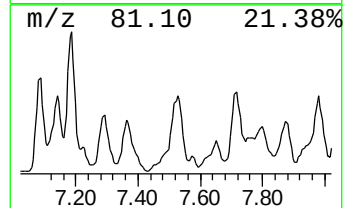
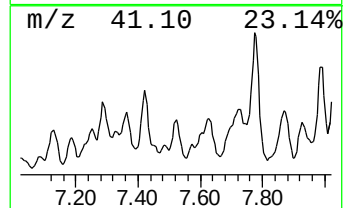
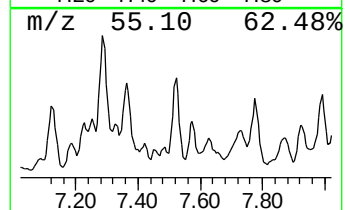
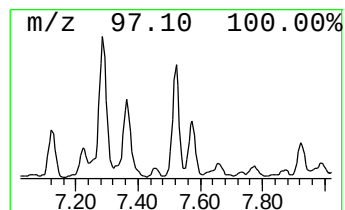
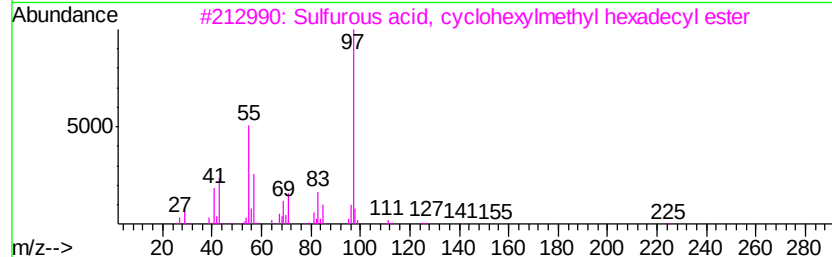
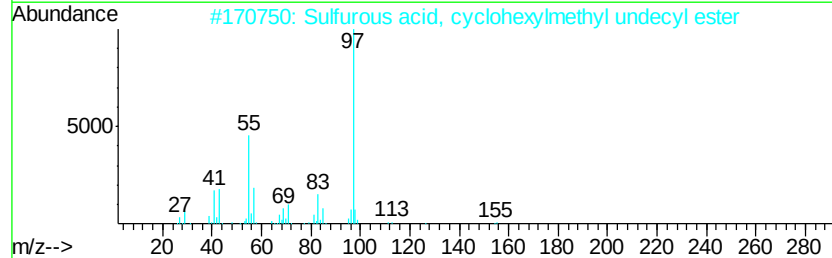
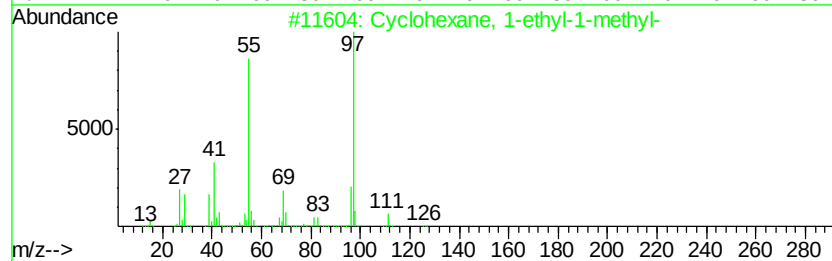
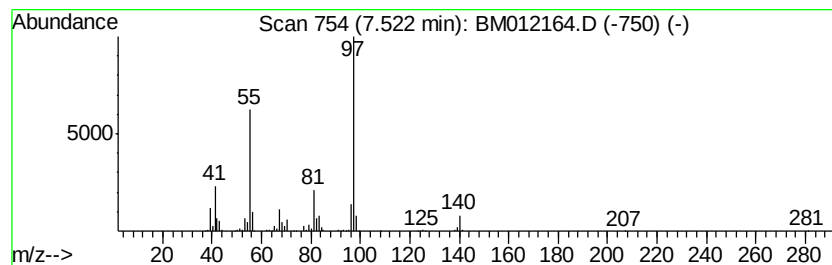
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Cyclic7.52 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	31.34 ng/ul	1115100	1,4-Dichlorobenzene-d4	7.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 80
2		Sulfurous acid, cyclohexylmethyl...	332 C18H36O3S	1000309-21-9 78
3		Sulfurous acid, cyclohexylmethyl...	402 C23H46O3S	1000309-22-4 78
4		1-Ethyl-3-methylcyclohexane (c,t)	126 C9H18	003728-55-0 72
5		Oxalic acid, cyclohexylmethyl is...	270 C15H26O4	1000309-68-3 72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
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ALS Vial : 21 Sample Multiplier: 1

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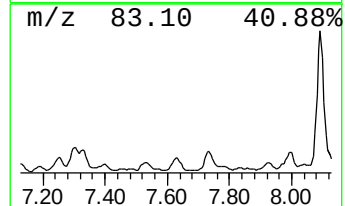
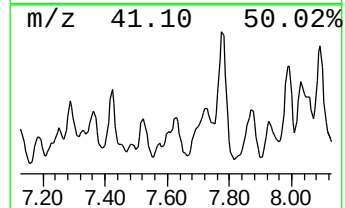
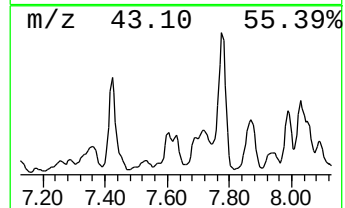
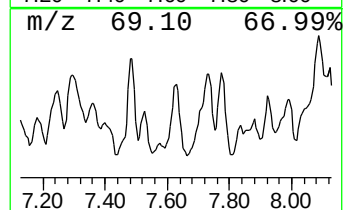
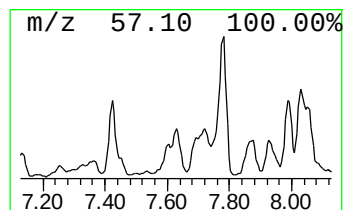
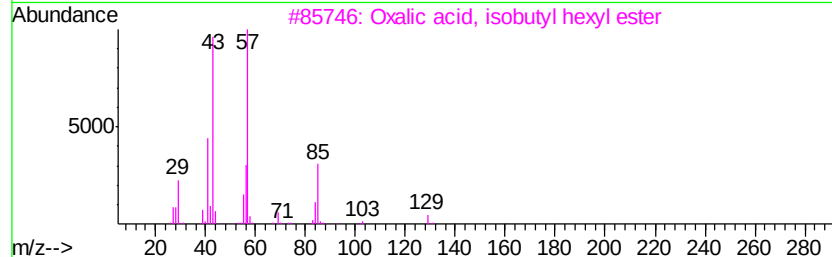
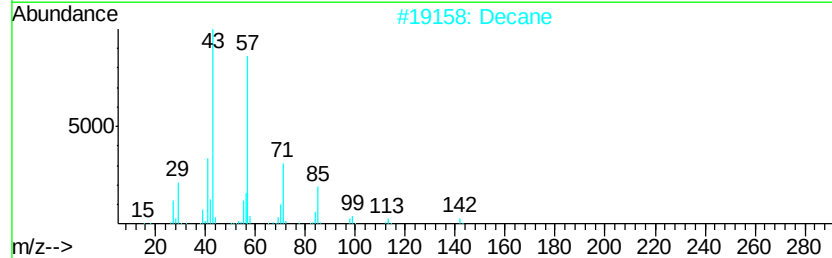
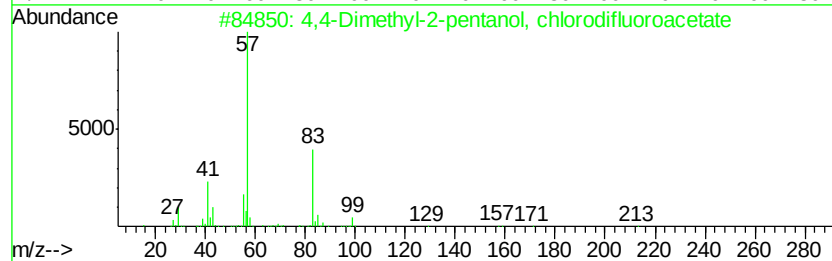
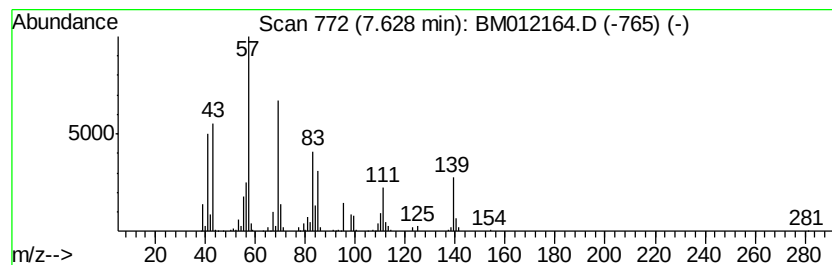
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	30.51 ng/ul	1085420	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4-Dimethyl-2-pentanol, chlorod...	228	C9H15ClF2O2	1000376-27-0	27
2		Decane	142	C10H22	000124-18-5	27
3		Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	27
4		Ether, heptyl hexyl	200	C13H28O	007289-40-9	22
5		Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

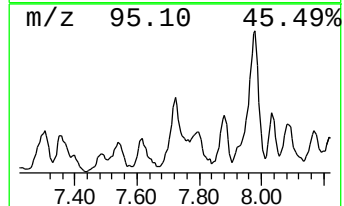
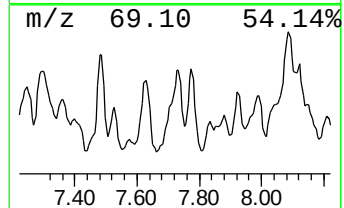
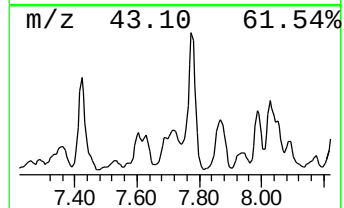
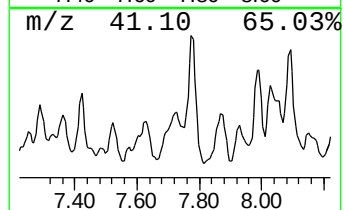
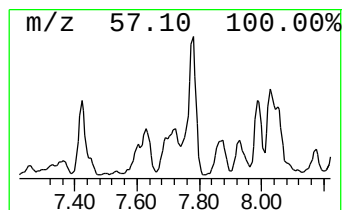
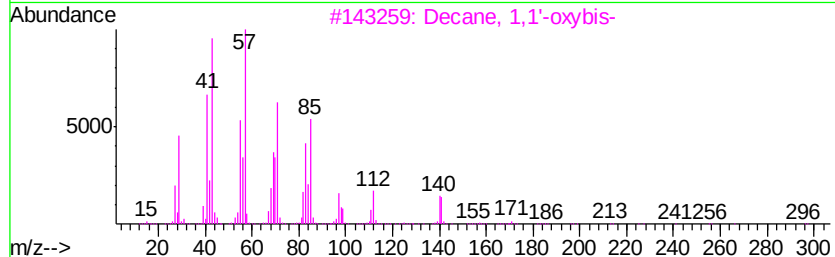
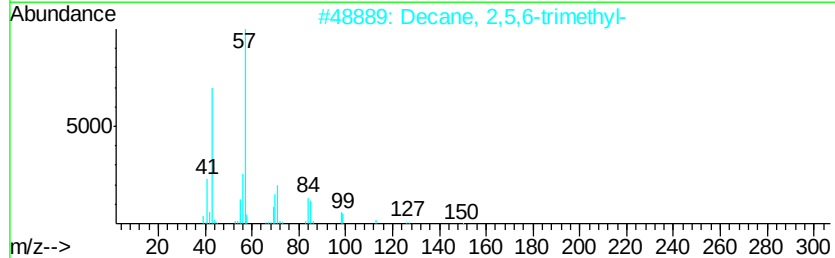
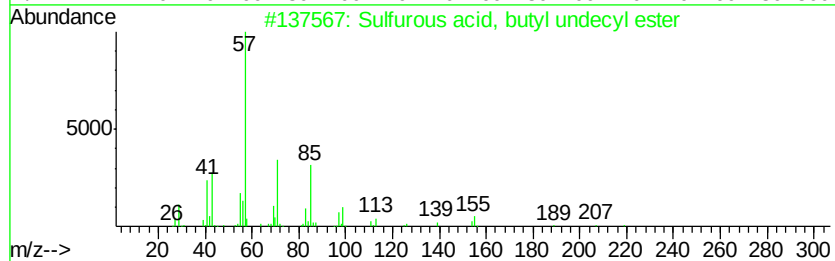
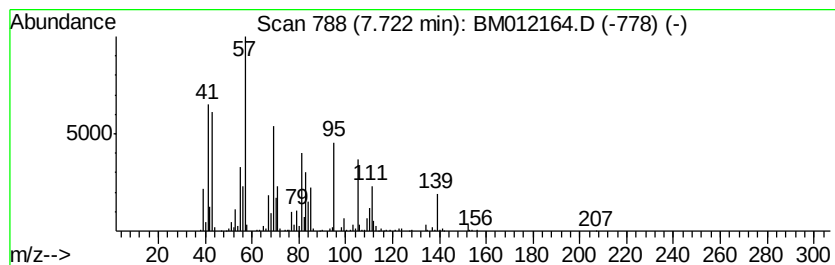
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B-44(5-5.5)_100217

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Quant Title : SVOA CALIBRATION

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

Peak Number 19 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	62.71 ng/ul	2231220	1,4-Dichlorobenzene-d4	7.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Sulfurous acid, butyl undecyl ester	292 C15H32O3S	1000309-17-8 22
2		Decane, 2,5,6-trimethyl-	184 C13H28	062108-23-0 14
3		Decane, 1,1'-oxybis-	298 C20H42O	002456-28-2 14
4		Octane, 4-methyl-	128 C9H20	002216-34-4 14
5		Hexane, 2,3,4-trimethyl-	128 C9H20	000921-47-1 14



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

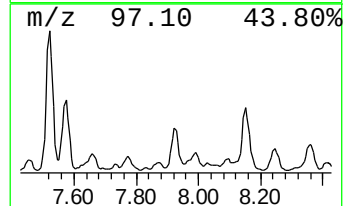
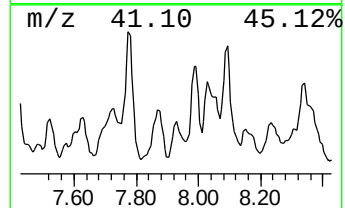
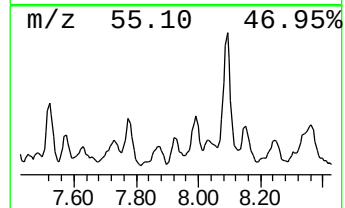
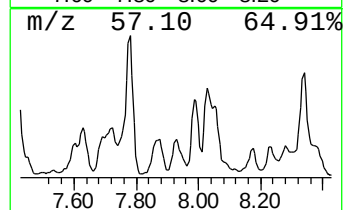
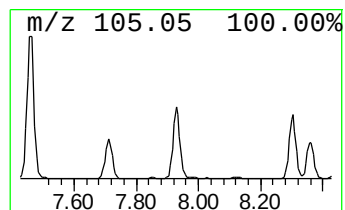
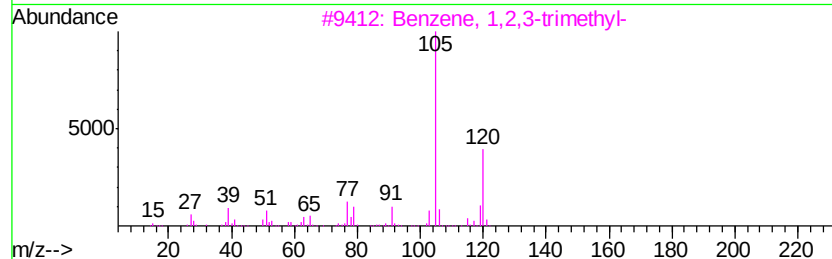
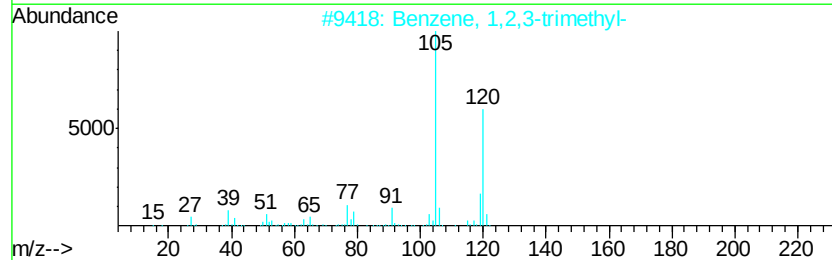
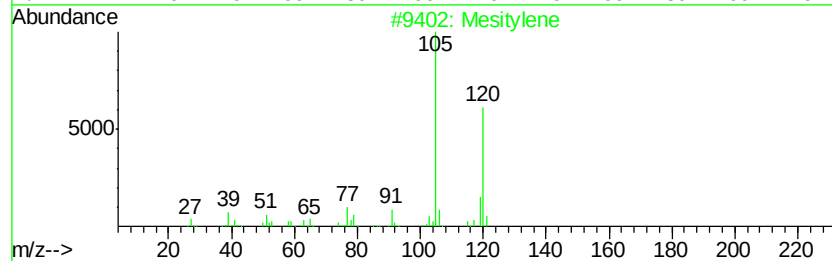
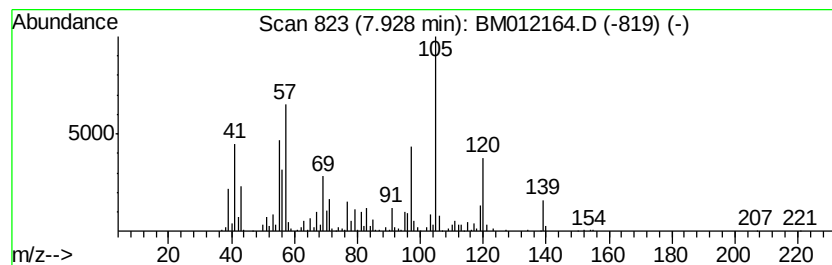
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Mesitylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	46.51 ng/ul	1654690	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Mesitylene	120	C9H12	000108-67-8	83
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	80
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	56



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

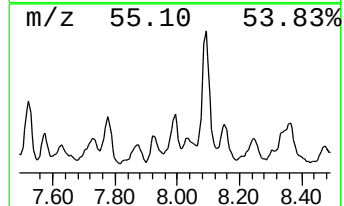
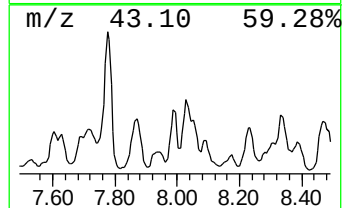
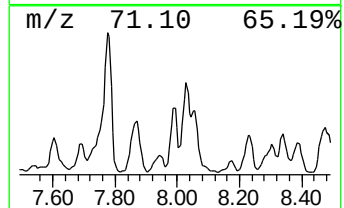
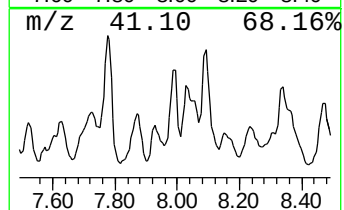
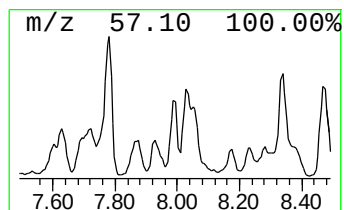
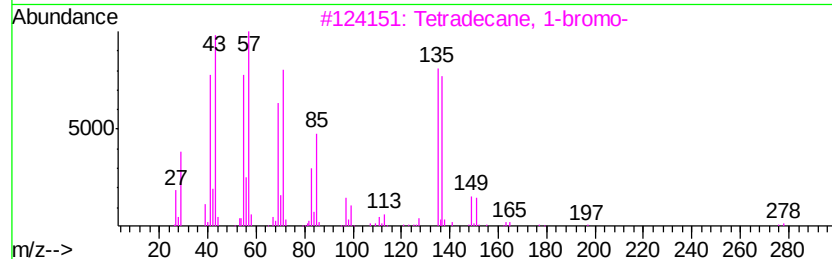
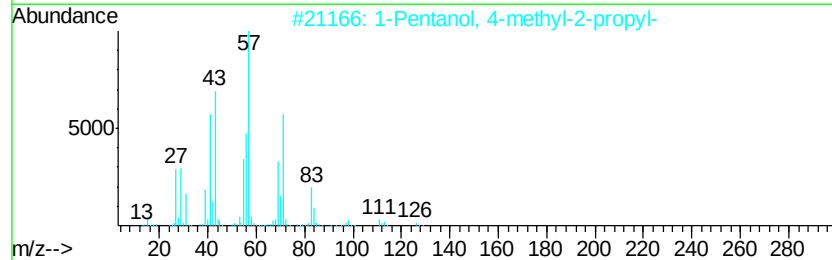
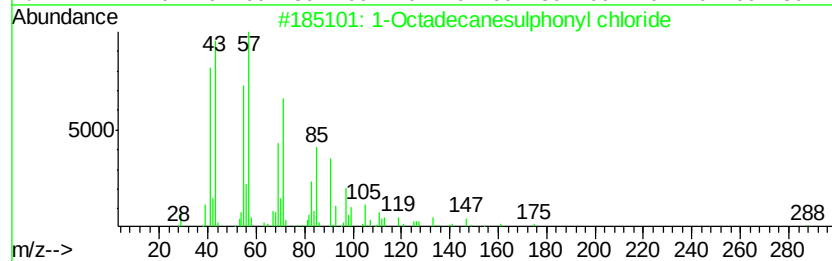
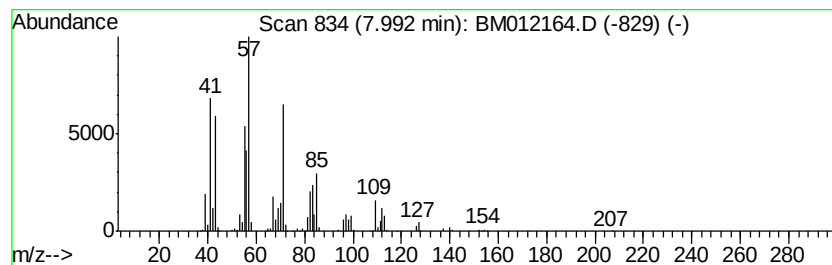
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 1-Octadecanesulphonyl chloride Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	37.58 ng/ul	1337150	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	52
2		1-Pentanol, 4-methyl-2-propyl-	144	C9H20O	054004-41-0	50
3		Tetradecane, 1-bromo-	276	C14H29Br	000112-71-0	46
4		Pentadecane	212	C15H32	000629-62-9	43
5		Tetradecane	198	C14H30	000629-59-4	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

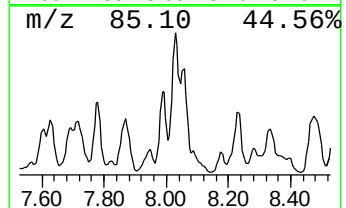
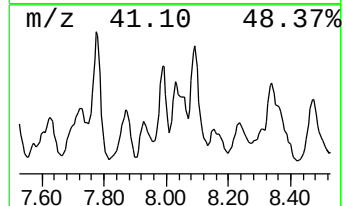
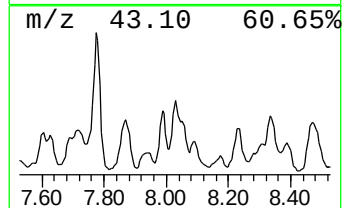
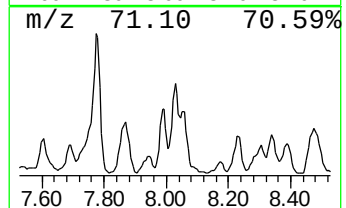
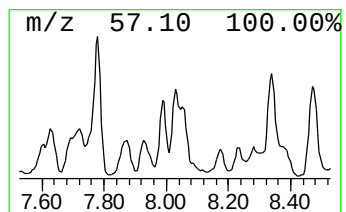
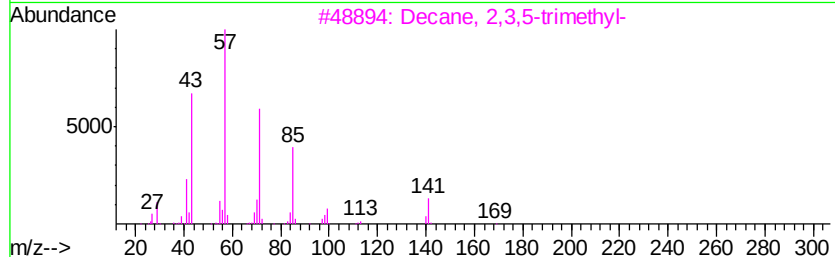
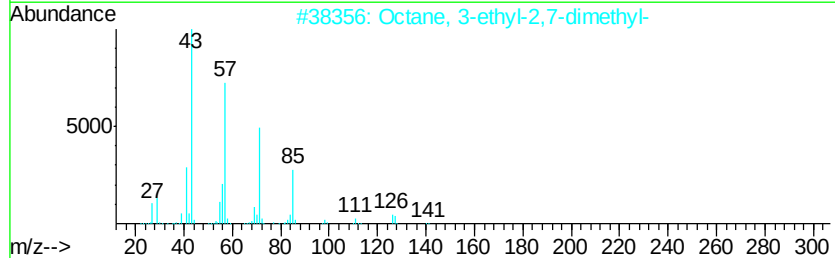
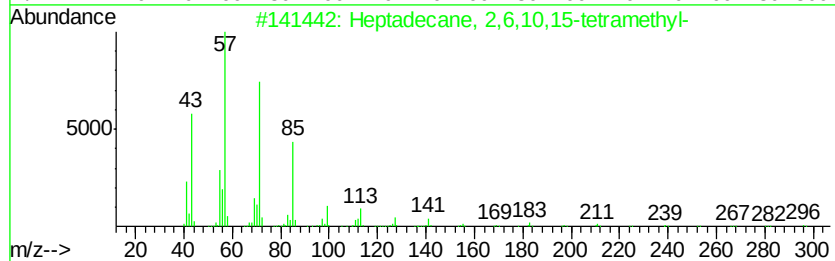
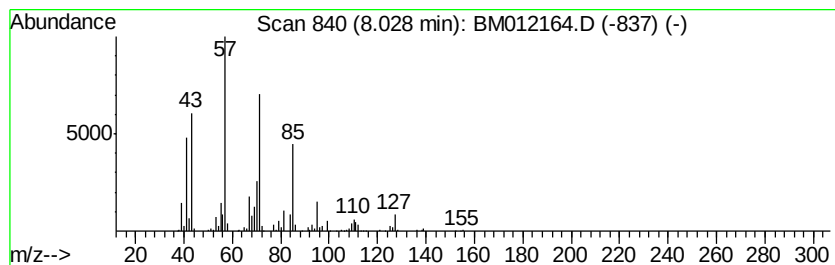
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	45.16 ng/ul	1606630	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
2		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	50
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
5		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
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ClientSampleId :
B-44(5-5.5)_100217

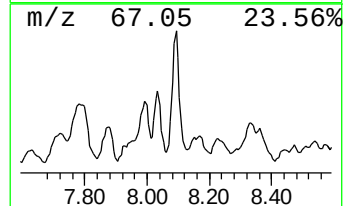
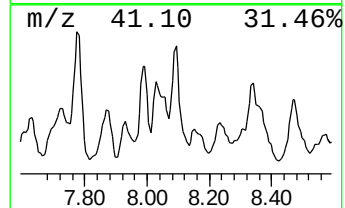
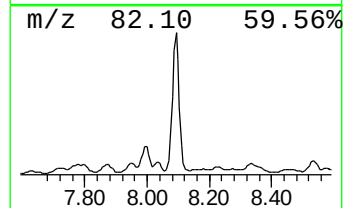
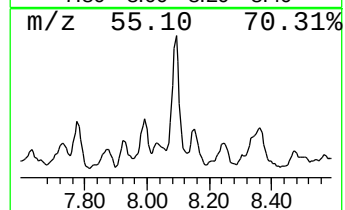
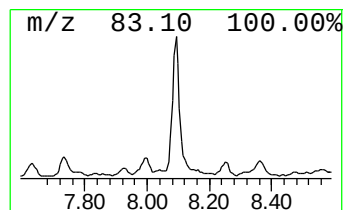
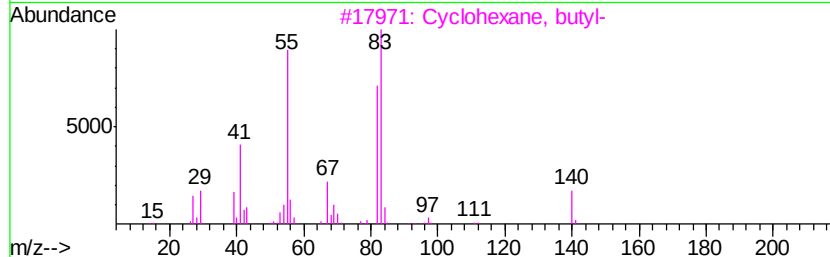
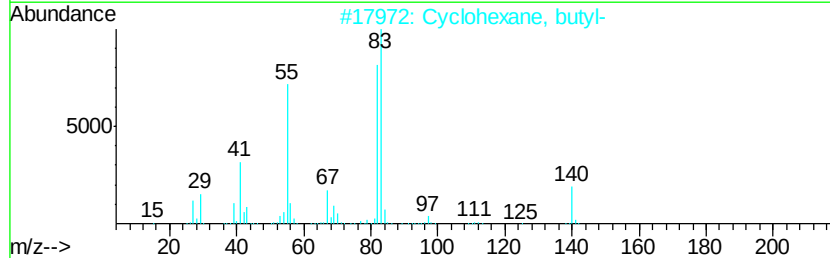
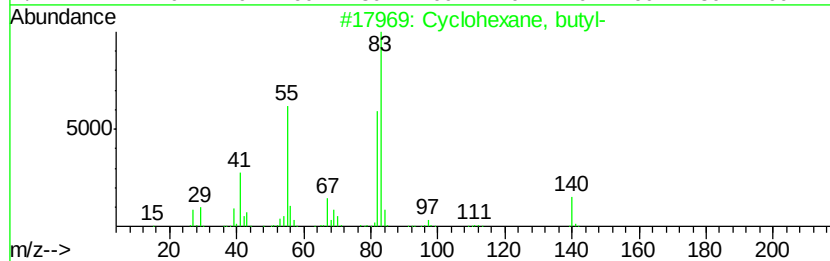
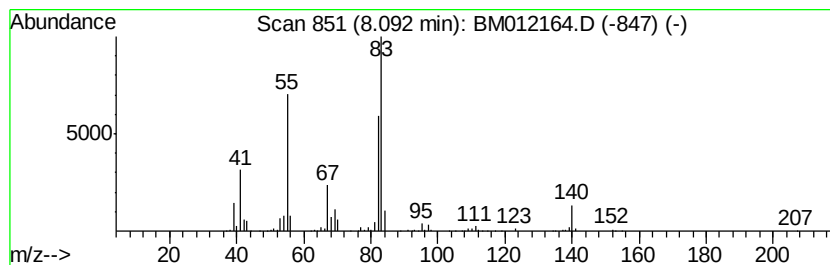
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Cyclohexane, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	64.17 ng/ul	2283220	1,4-Dichlorobenzene-d4	7.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
5			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampled :
B-44(5-5.5) 100217

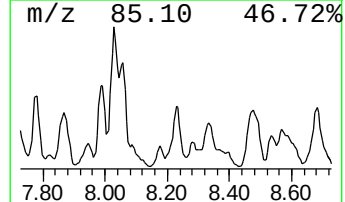
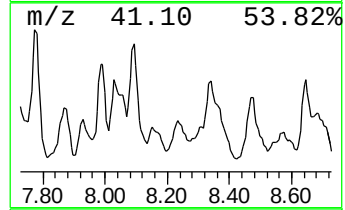
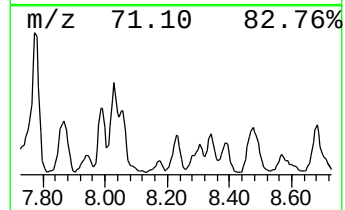
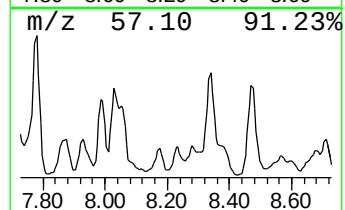
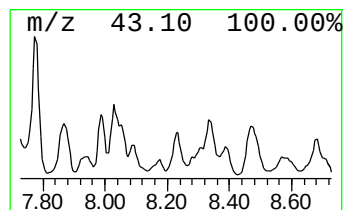
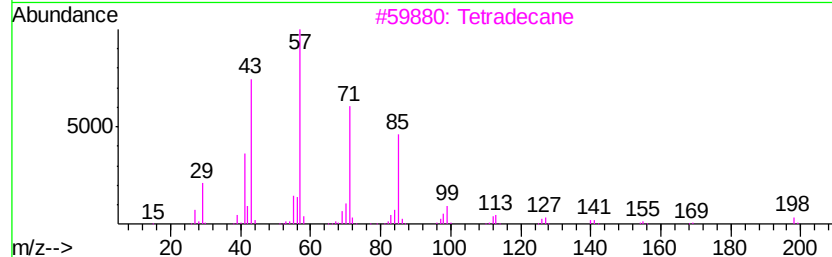
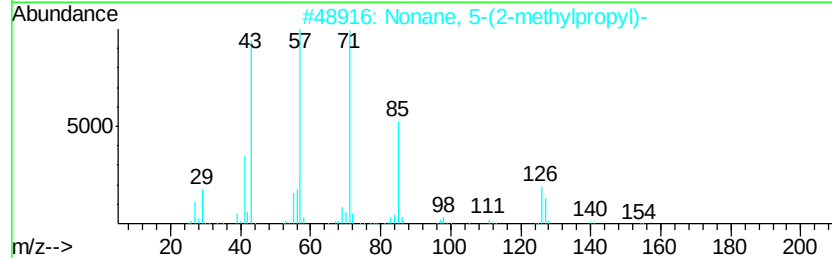
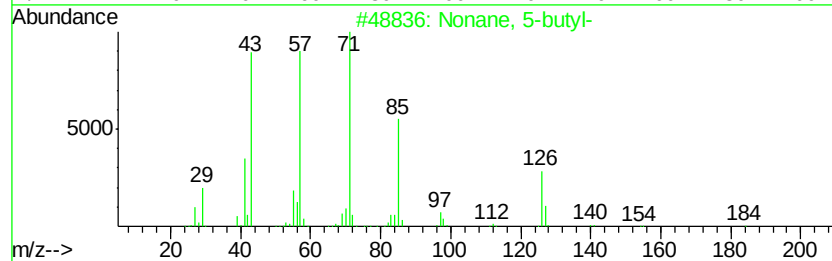
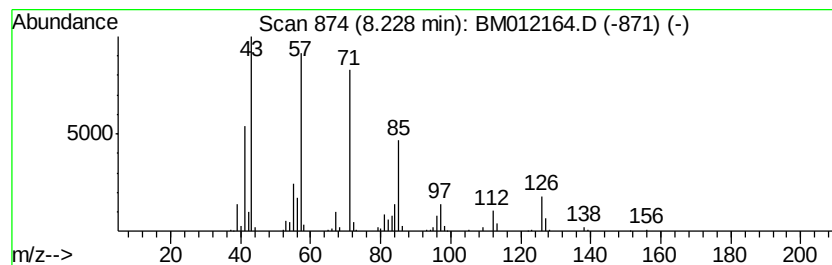
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	18.47 ng/ul	657007	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 5-butyl-	184	C13H28	017312-63-9	64
2		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
3		Tetradecane	198	C14H30	000629-59-4	59
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
5		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

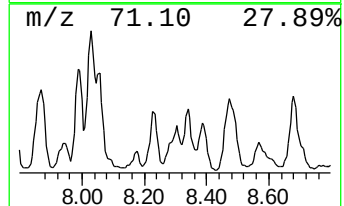
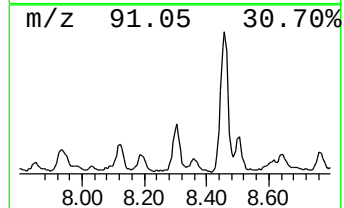
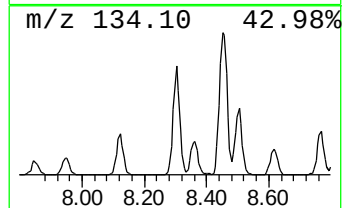
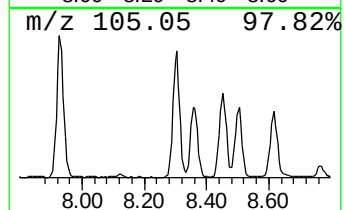
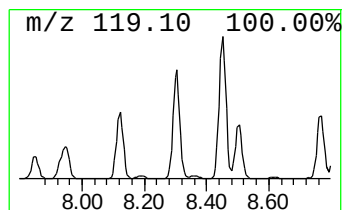
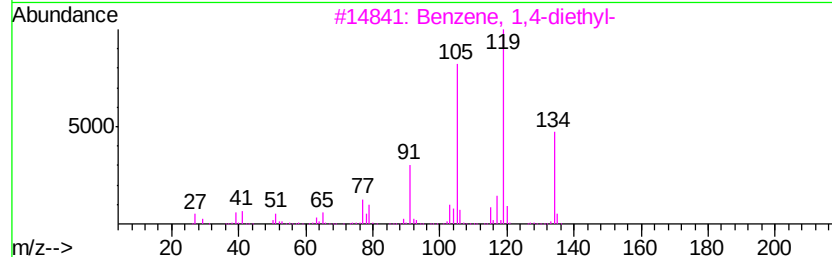
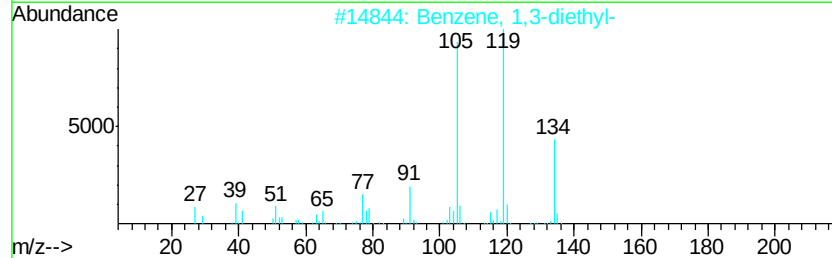
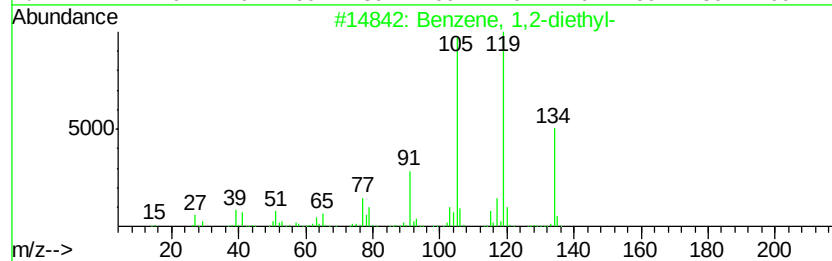
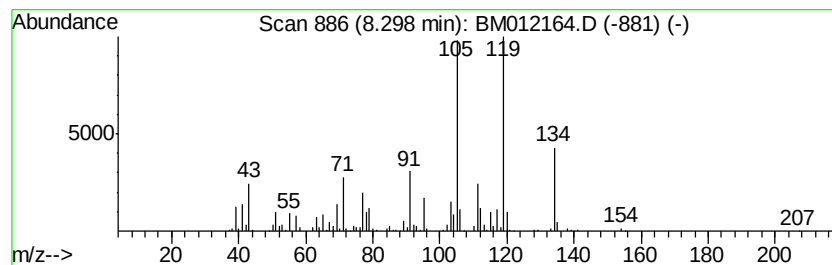
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Benzene, 1,2-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	28.44 ng/ul	1011740	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	89



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

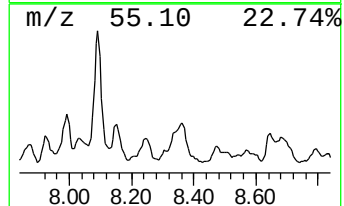
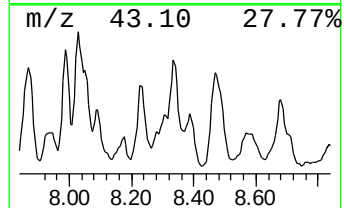
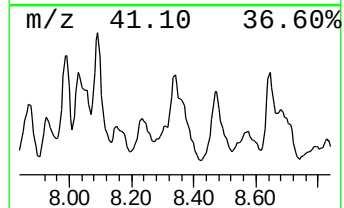
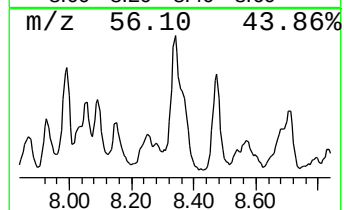
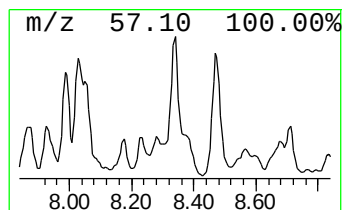
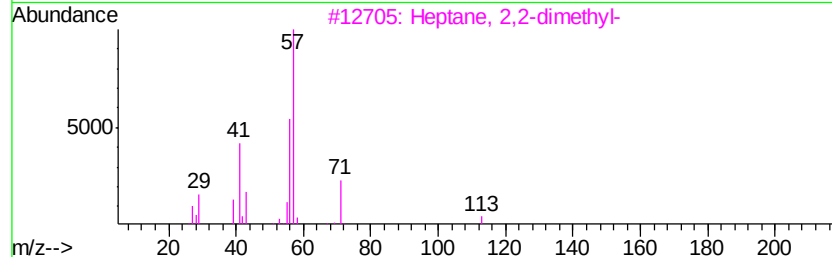
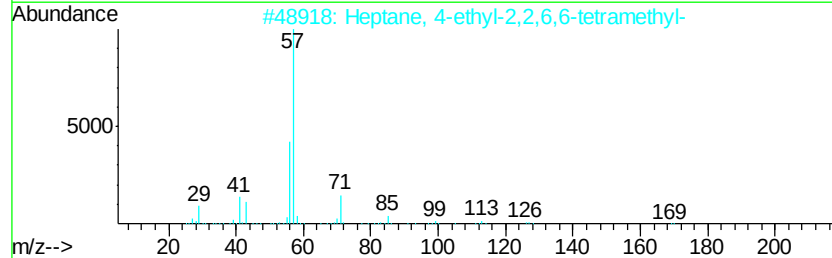
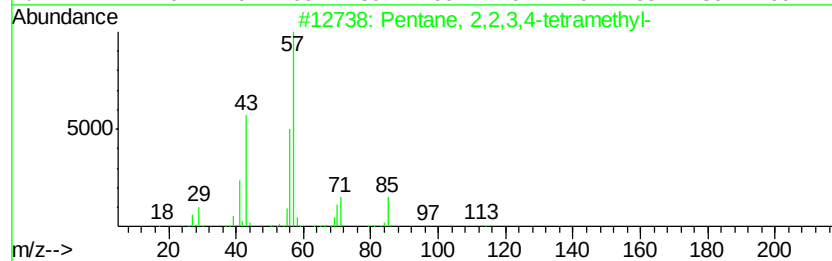
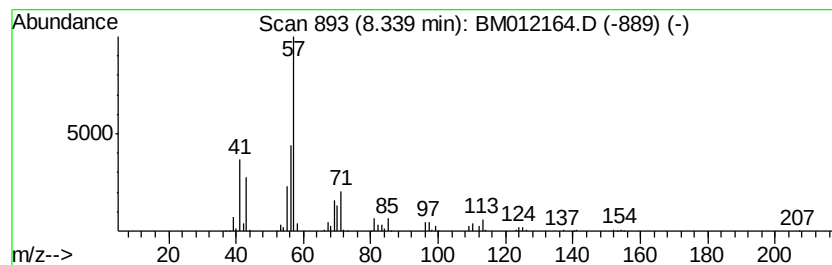
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	16.94 ng/ul	602818	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
2		Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	53
3		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53
4		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50
5		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

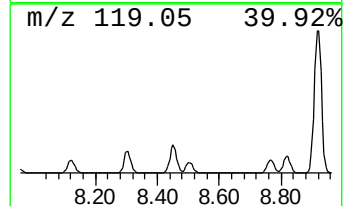
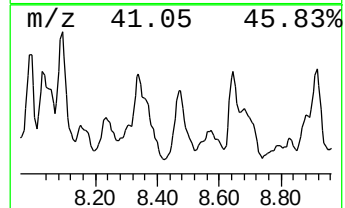
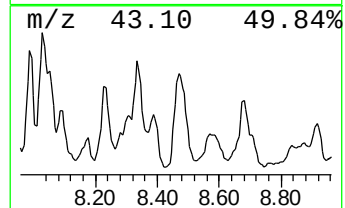
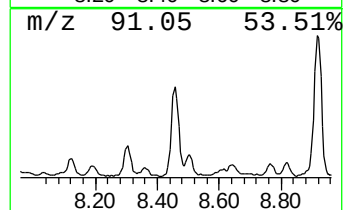
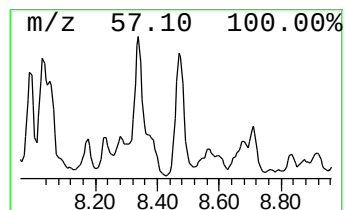
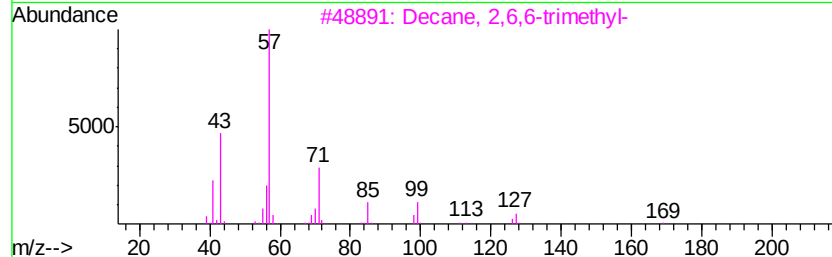
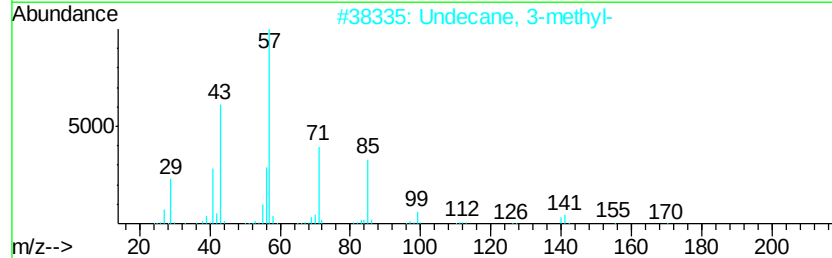
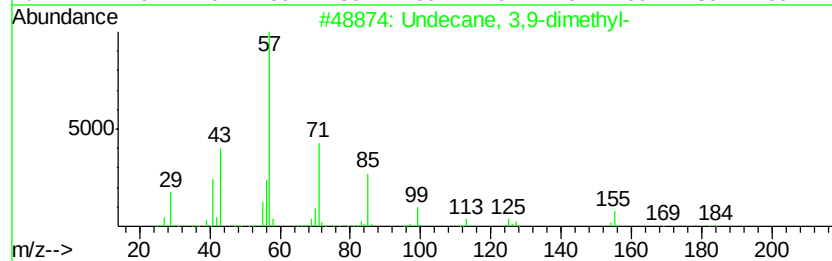
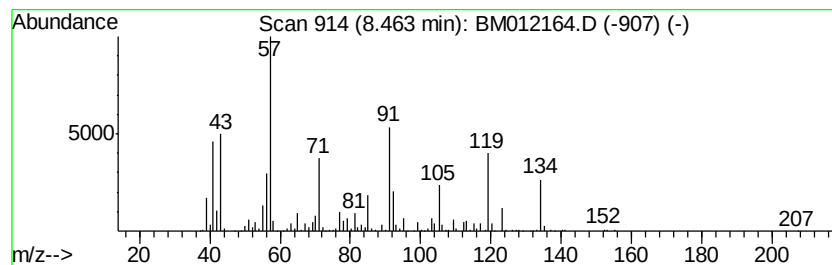
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	96.09 ng/ul	3418960	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	22
2		Undecane, 3-methyl-	170	C12H26	001002-43-3	22
3		Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	14
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	14
5		Undecane, 5-ethyl-	184	C13H28	017453-94-0	14



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

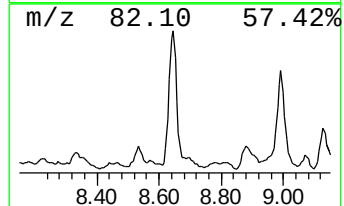
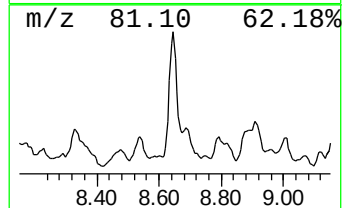
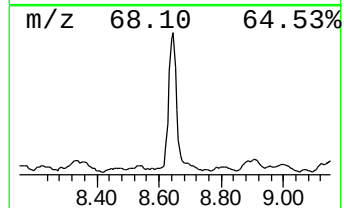
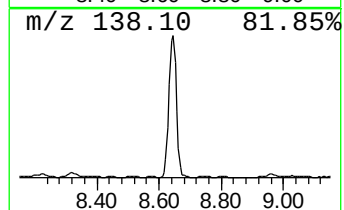
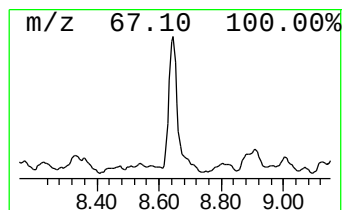
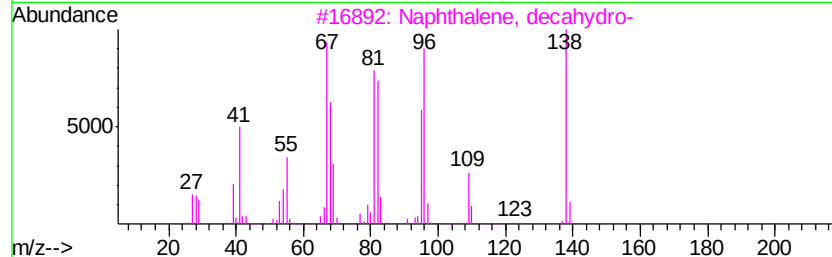
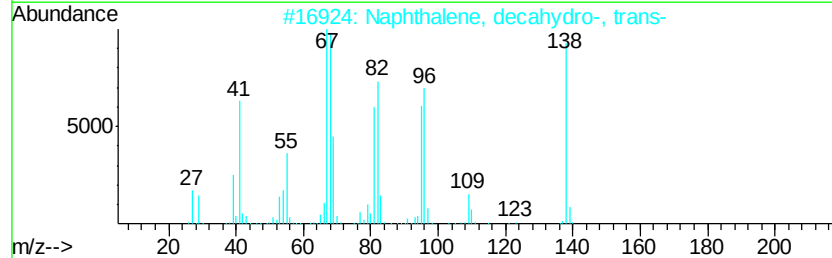
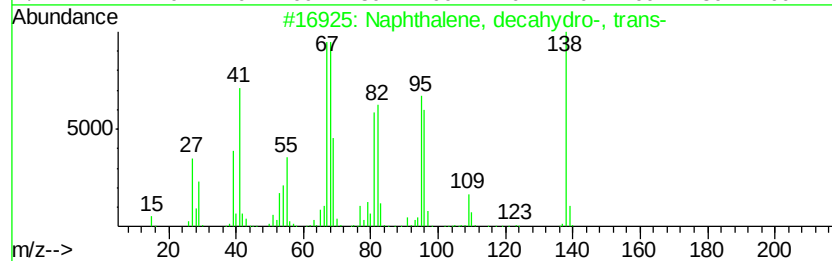
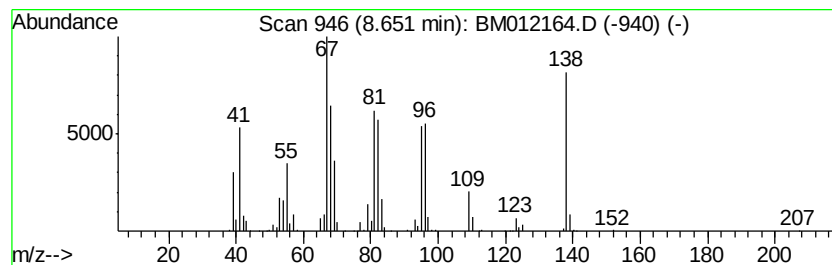
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Naphthalene, decahydro-, tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	64.05 ng/ul	2278950	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
3		Naphthalene, decahydro-	138	C10H18	000091-17-8	96
4		Naphthalene, decahydro-	138	C10H18	000091-17-8	95
5		Naphthalene, decahydro-	138	C10H18	000091-17-8	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

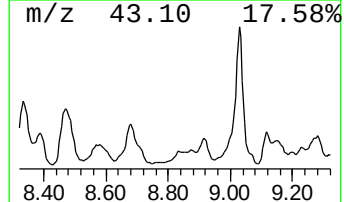
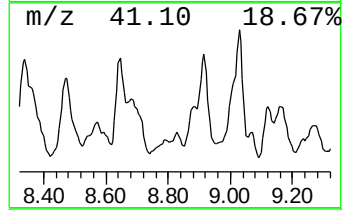
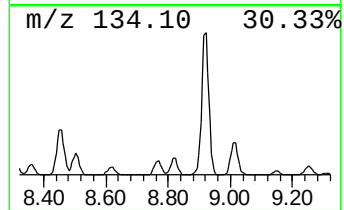
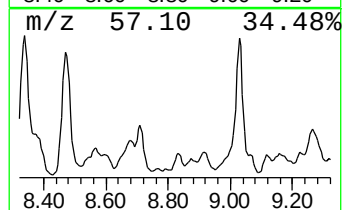
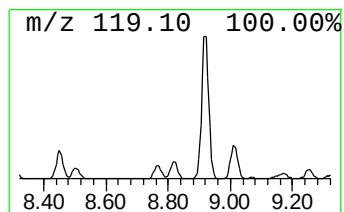
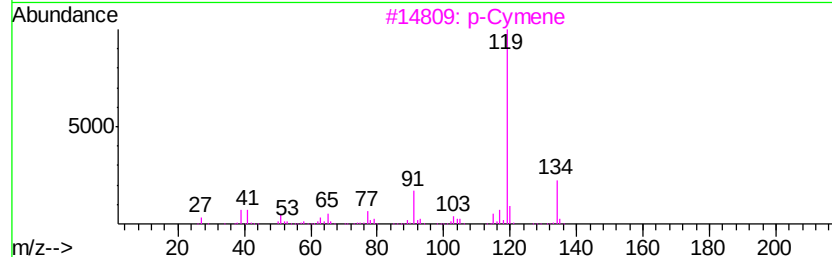
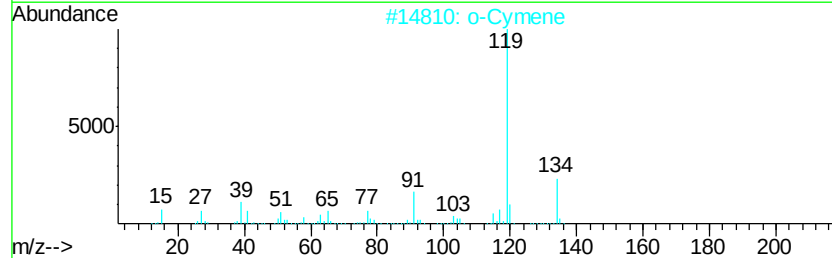
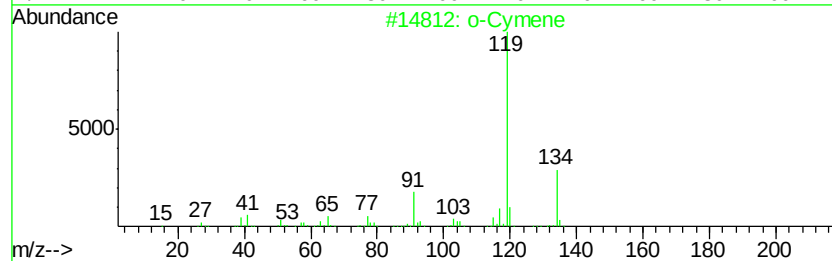
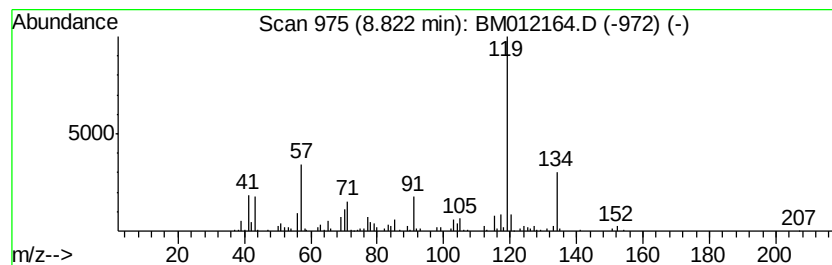
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 o-Cymene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	13.14 ng/ul	467668	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	93
2		o-Cymene	134	C10H14	000527-84-4	93
3		p-Cymene	134	C10H14	000099-87-6	90
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

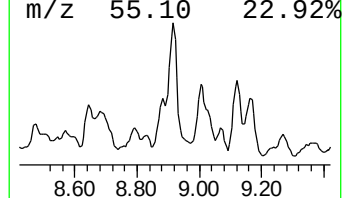
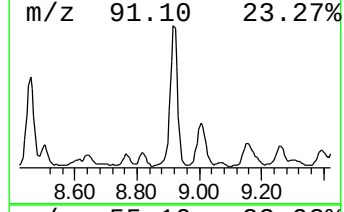
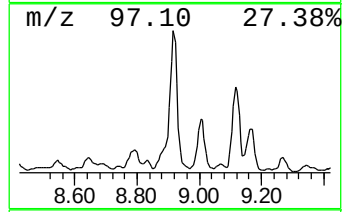
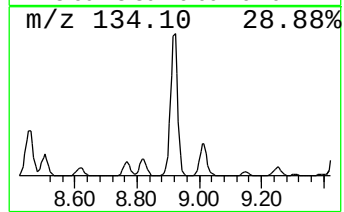
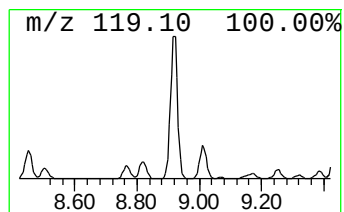
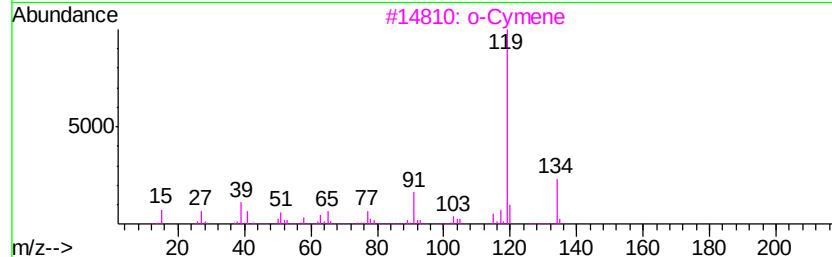
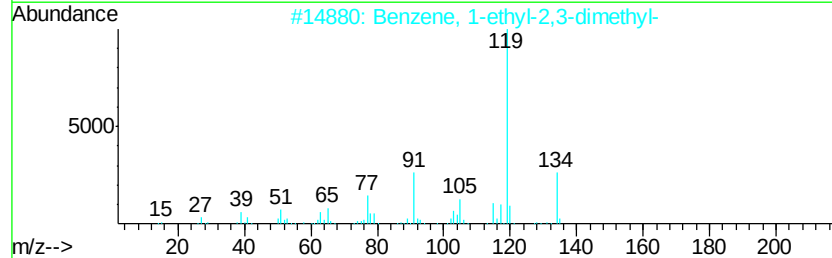
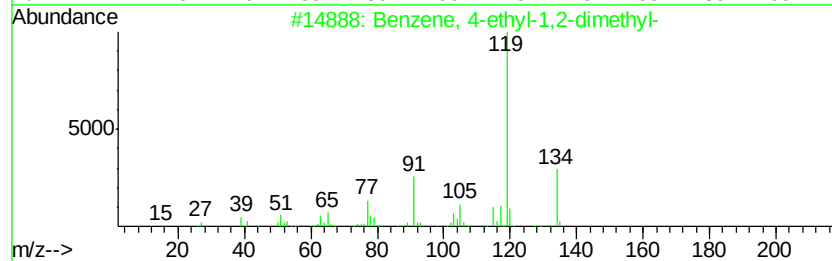
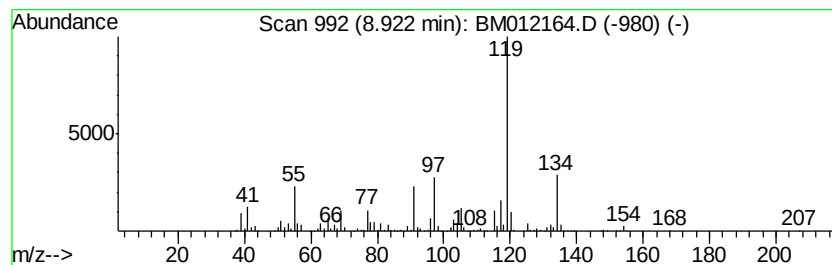
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	162.65 ng/ul	5787050	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3		o-Cymene	134	C10H14	000527-84-4	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		p-Cymene	134	C10H14	000099-87-6	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

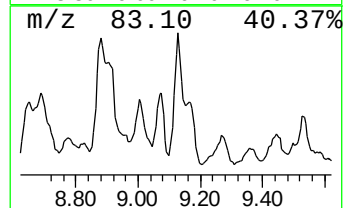
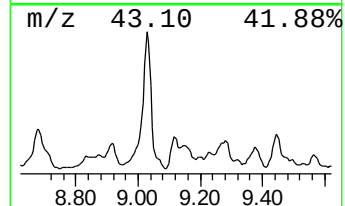
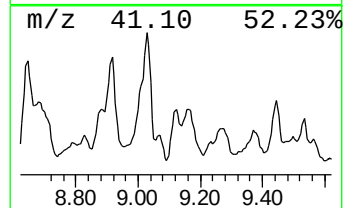
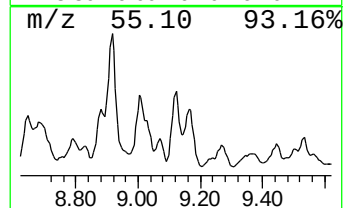
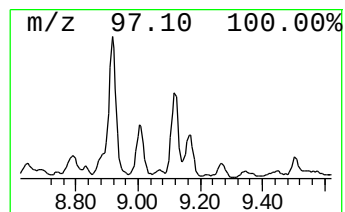
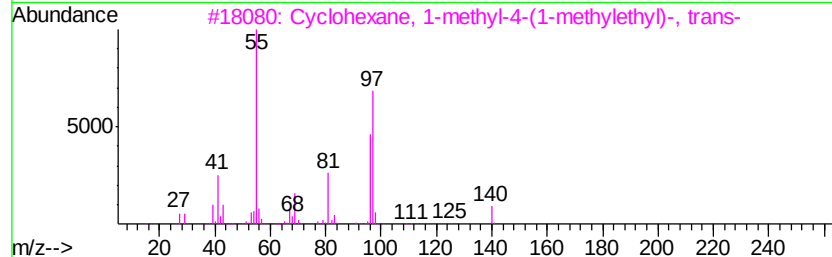
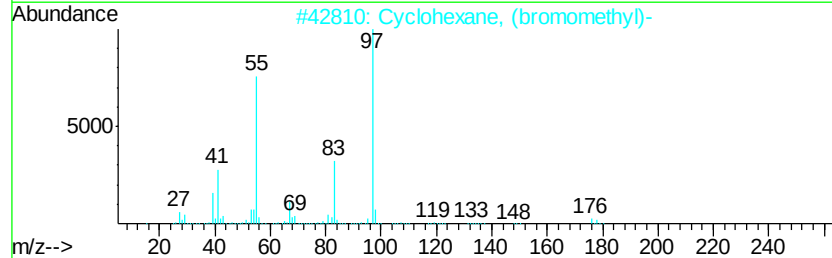
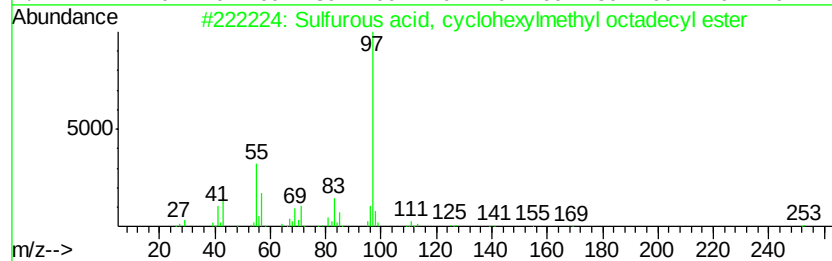
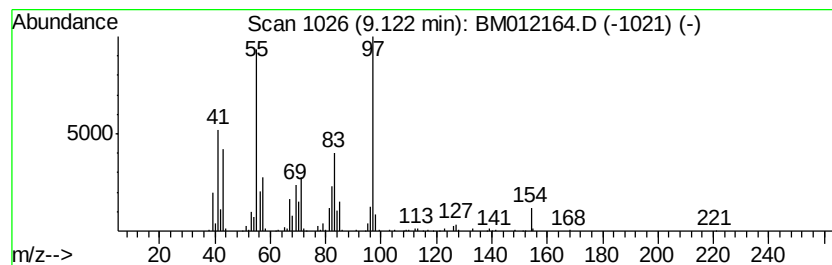
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 Sulfurous acid, cyclohexylm... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	31.17 ng/ul	1108910	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64
2		Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	47
3		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	35
4		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	35
5		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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B-44(5-5.5)_100217

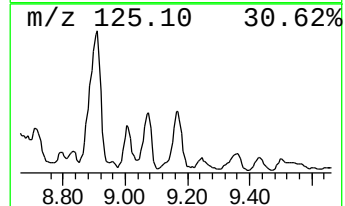
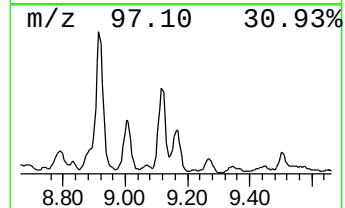
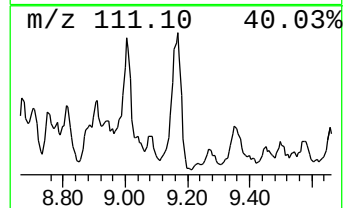
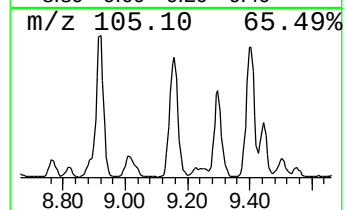
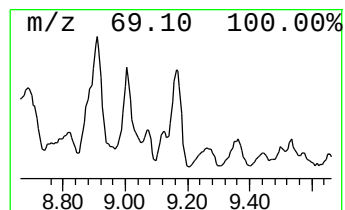
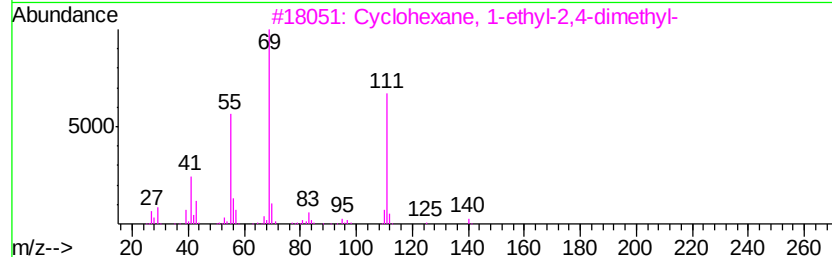
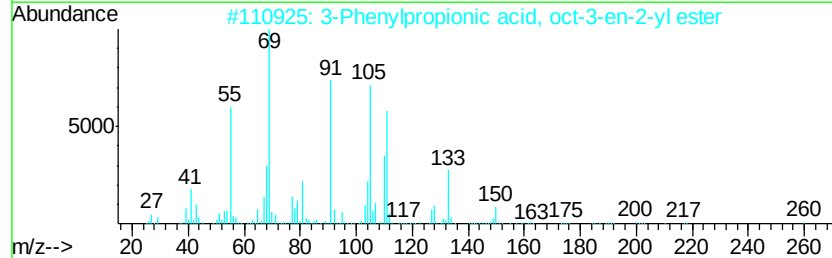
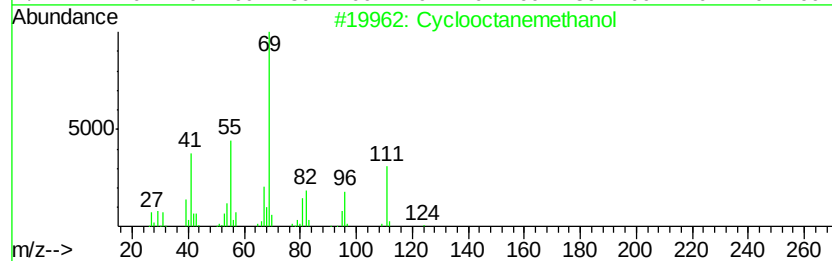
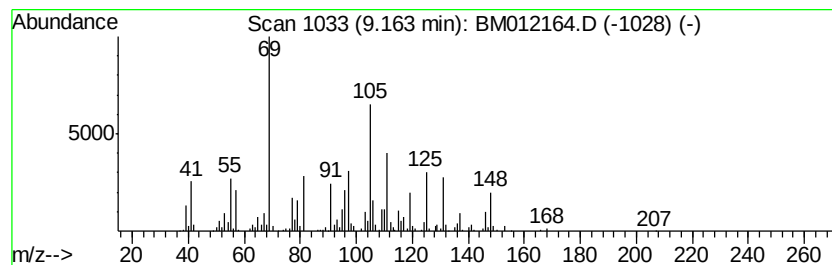
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 unknown-04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	62.79 ng/ul	2234150	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctanemethanol	142	C9H18O	003637-63-6	38
2		3-Phenylpropionic acid, oct-3-en...	260	C17H24O2	1000299-17-5	32
3		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	27
4		Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	27
5		Cyclopentanecarboxylic acid, 2-e...	224	C14H24O2	1000282-59-1	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

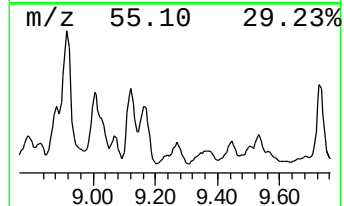
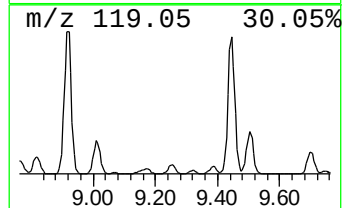
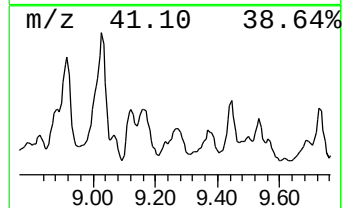
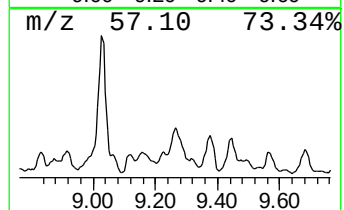
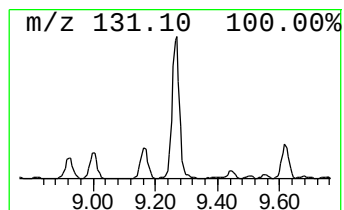
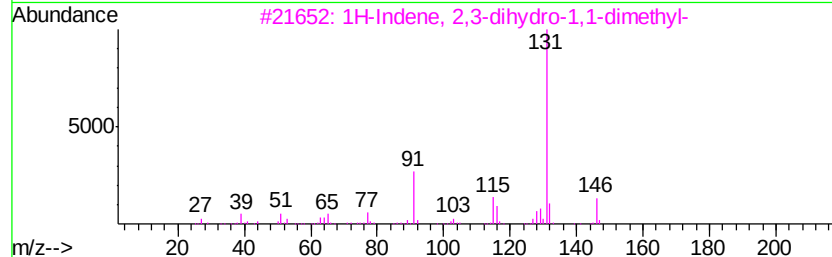
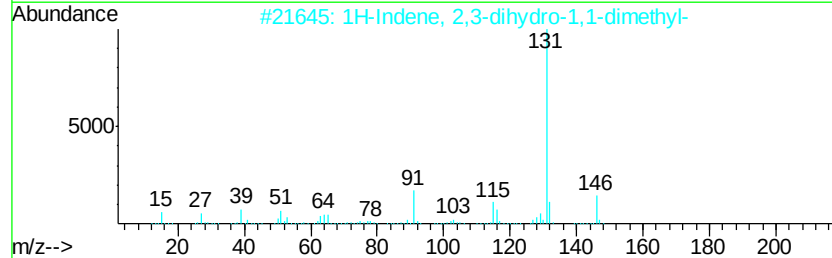
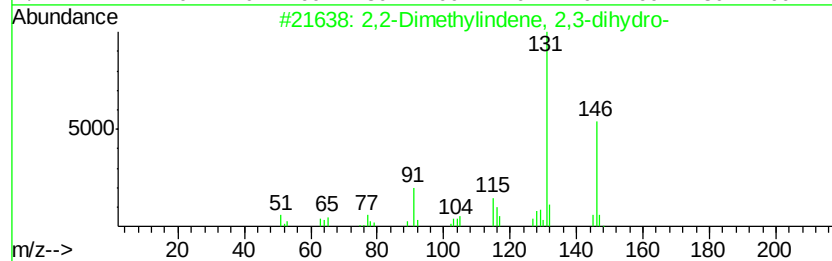
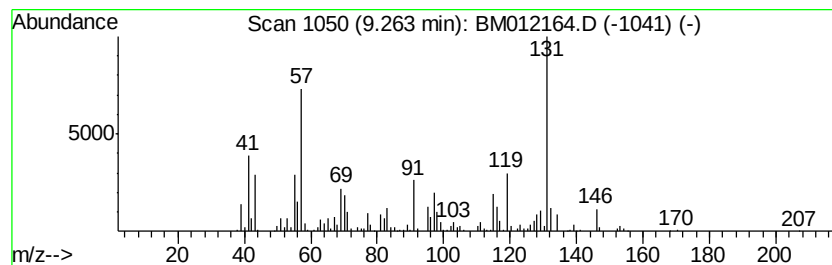
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 2,2-Dimethylindene, 2,3-dih... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	13.17 ng/ul	1535220	Napthalene-d8	10.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
2		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	70
3		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	62
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

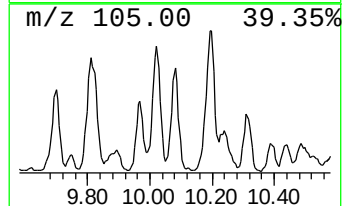
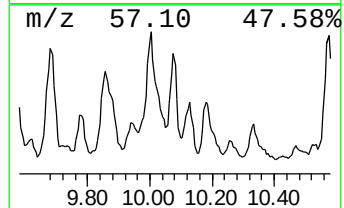
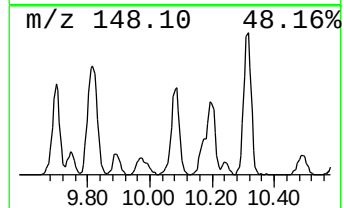
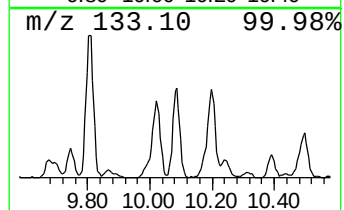
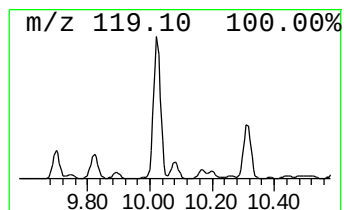
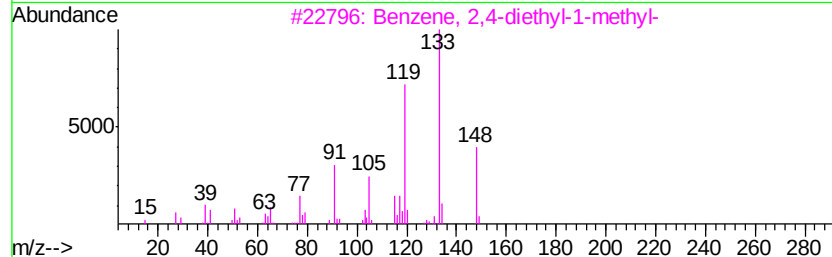
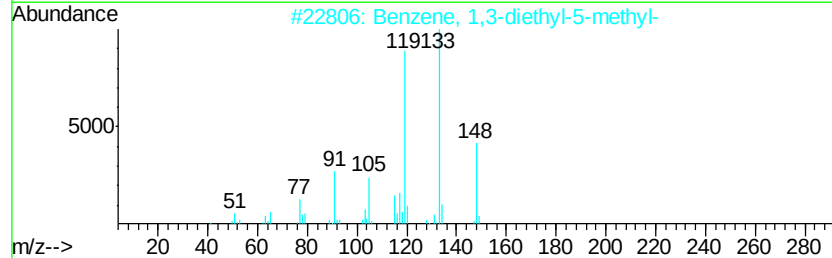
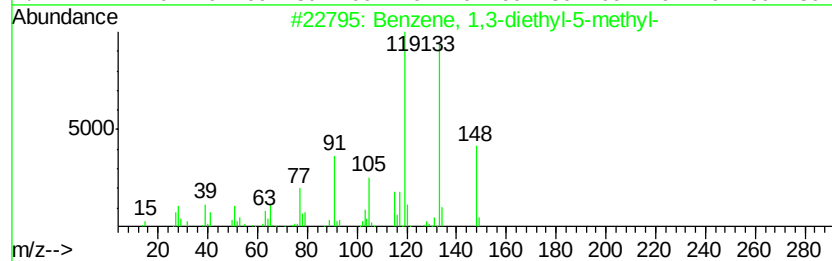
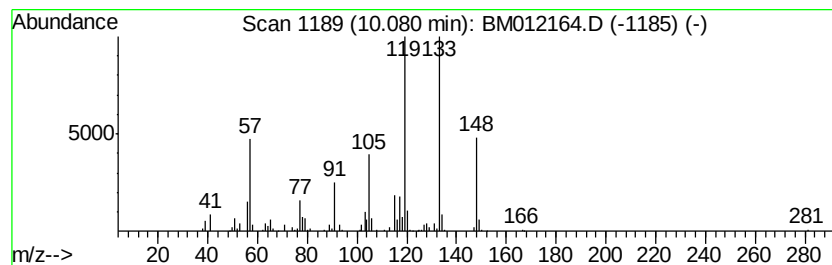
Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

Peak Number 41 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	4.38 ng/ul	510408	Napthalene-d8	10.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0 97
2		Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0 93
3		Benzene, 2,4-diethyl-1-methyl-	148 C11H16	001758-85-6 93
4		Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5 89
5		1-(2,3-Dimethylphenyl)ethanone	148 C10H12O	002142-71-4 55



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

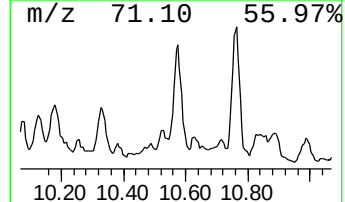
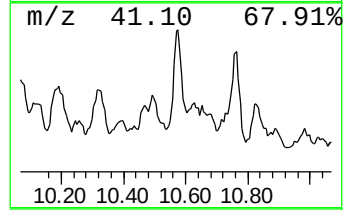
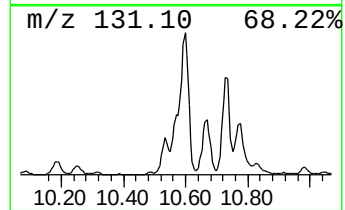
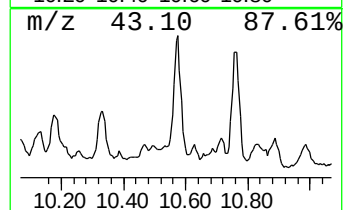
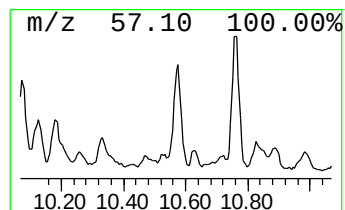
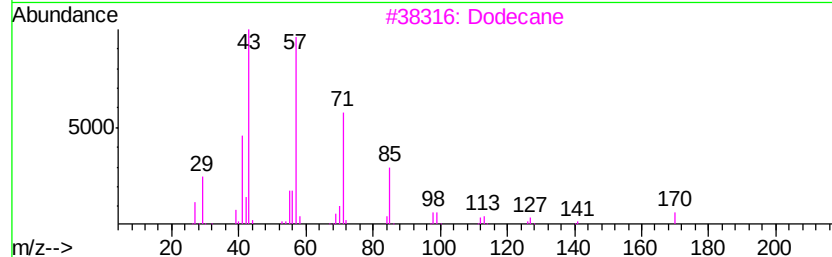
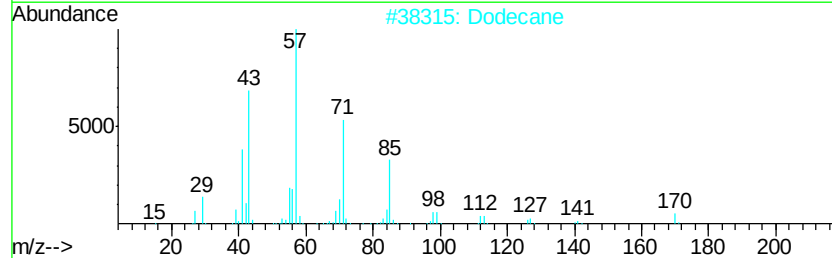
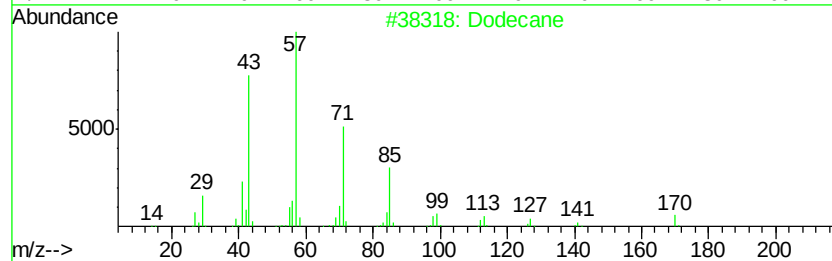
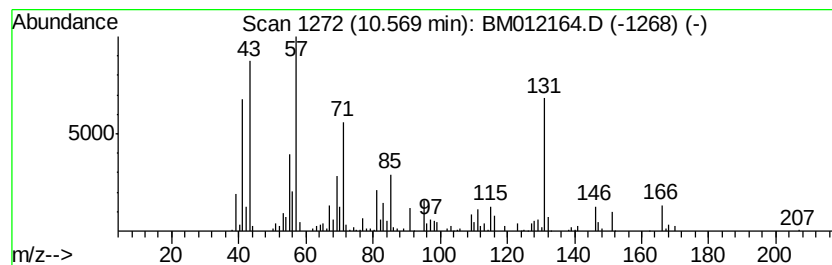
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Quant Title : SVOA CALIBRATION

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	5.03 ng/ul	586987	Napthalene-d8	10.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane			170	C12H26	000112-40-3	46
2	Dodecane			170	C12H26	000112-40-3	46
3	Dodecane			170	C12H26	000112-40-3	38
4	Tetradecane			198	C14H30	000629-59-4	38
5	Tridecane			184	C13H28	000629-50-5	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

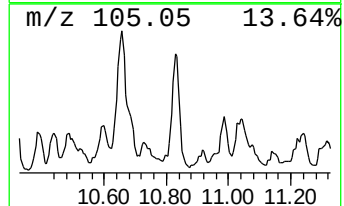
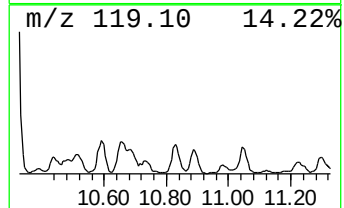
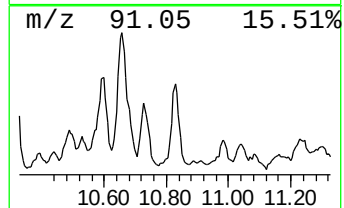
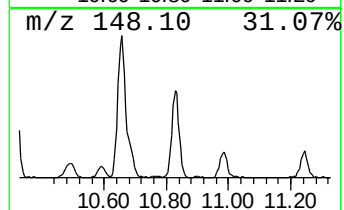
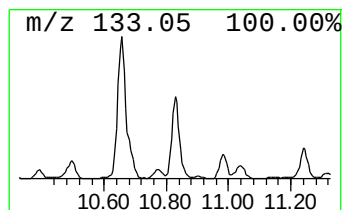
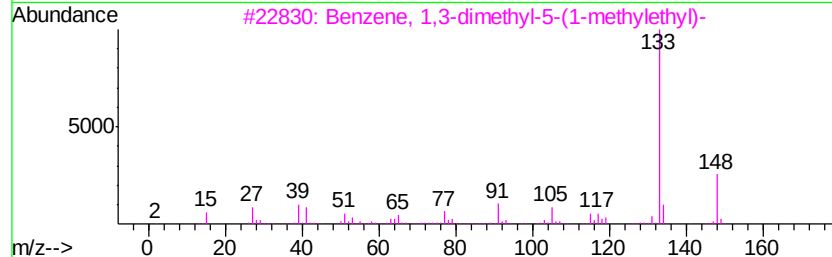
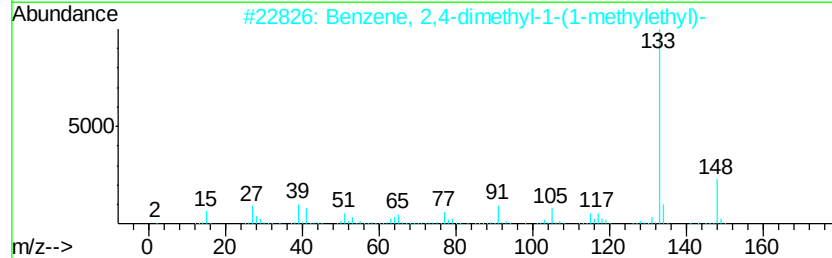
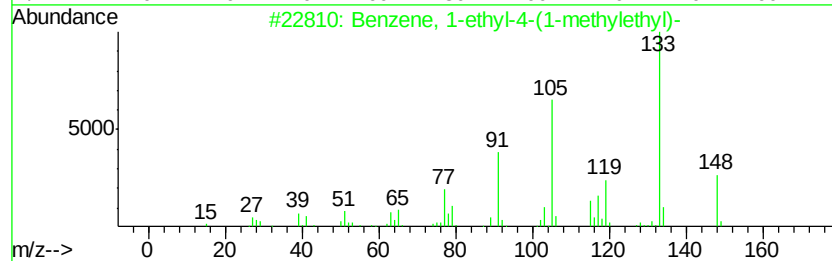
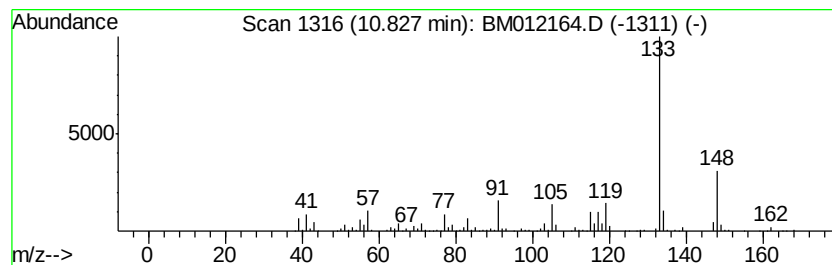
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Quant Title : SVOA CALIBRATION

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

Peak Number 46 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	6.14 ng/ul	716423	Naphthalene-d8	10.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	94
2		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90
3		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-44(5-5.5)_100217

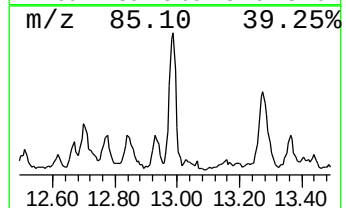
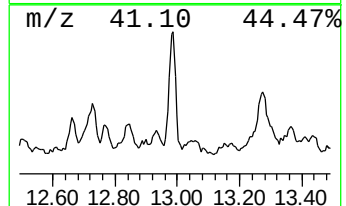
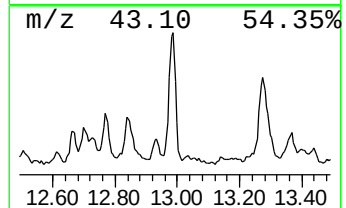
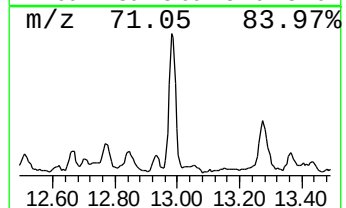
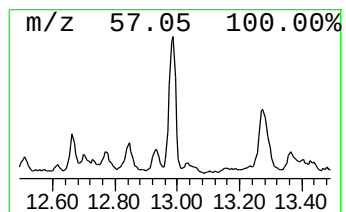
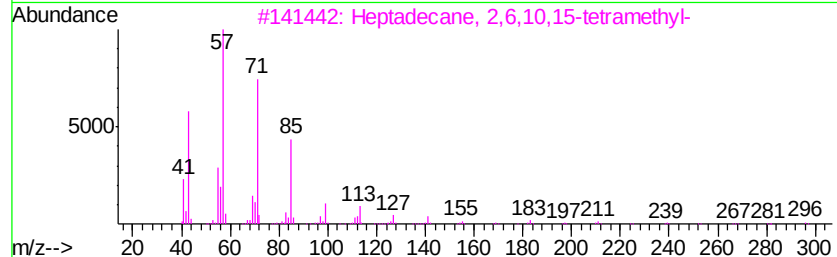
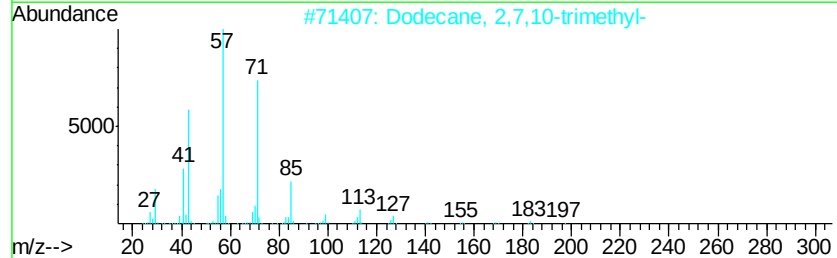
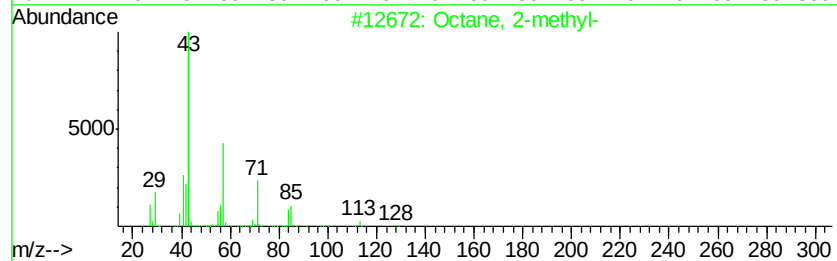
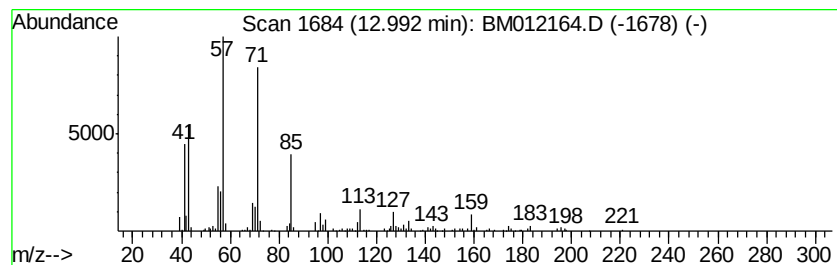
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Quant Title : SVOA CALIBRATION

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.63 ng/ul	410656	Acenaphthene-d10	14.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	81
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012164.D
Acq On : 14 Oct 2017 09:16
Operator : SJ/JU
Sample : I5611-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-44(5-5.5)_100217

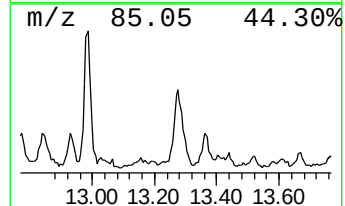
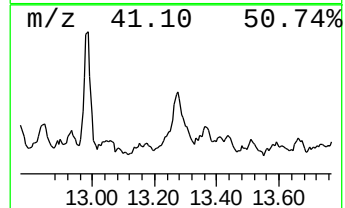
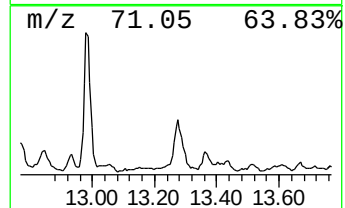
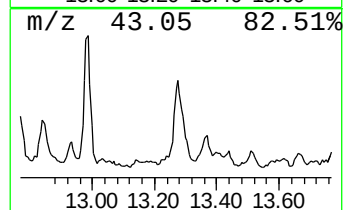
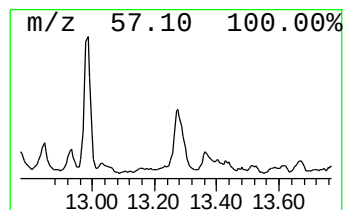
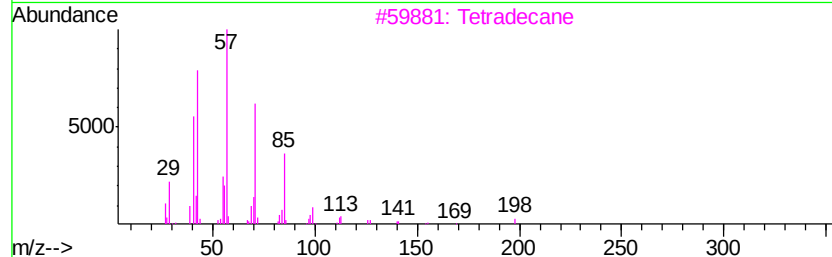
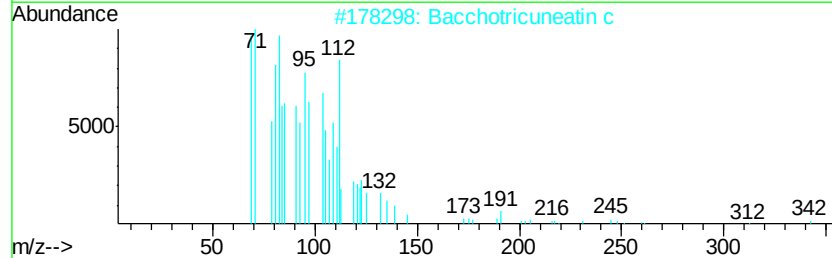
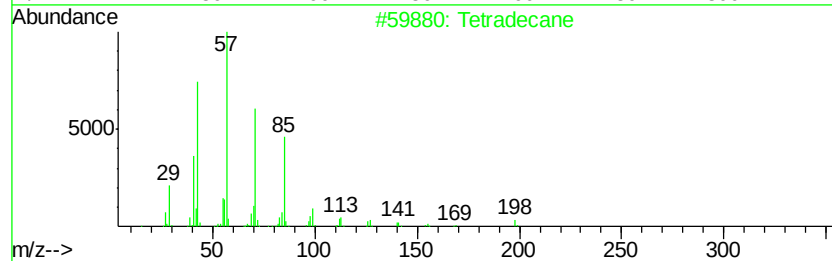
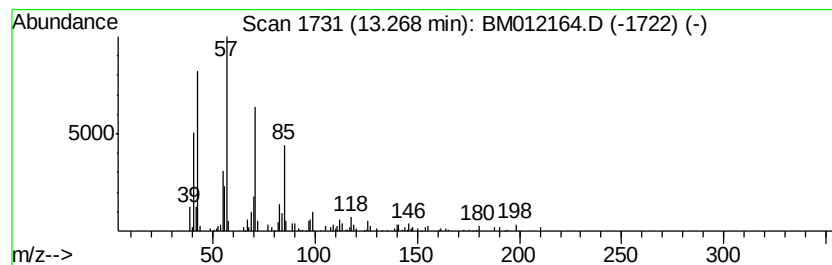
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Quant Title : SVOA CALIBRATION

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

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.76 ng/ul	425163	Acenaphthene-d10	14.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	93
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	74
3		Tetradecane	198	C14H30	000629-59-4	70
4		Hexadecane	226	C16H34	000544-76-3	64
5		Heptadecane	240	C17H36	000629-78-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
 Data File : BM012164.D
 Acq On : 14 Oct 2017 09:16
 Operator : SJ/JU
 Sample : I5611-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-44(5-5.5)_100217

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	6.07	27.8	ng/ul	990573	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	6.19	12.4	ng/ul	441342	1	7.82	711591	20.0
unknown-01	6.29	29.6	ng/ul	1054760	1	7.82	711591	20.0
(DEL) Alkane: Str...	6.35	22.8	ng/ul	811638	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	6.40	11.1	ng/ul	394153	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	6.44	20.5	ng/ul	730736	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	6.55	12.2	ng/ul	432259	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	6.62	17.4	ng/ul	617468	1	7.82	711591	20.0
(DEL) Alkane: Str...	6.79	24.2	ng/ul	861351	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	6.89	23.0	ng/ul	819485	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	7.25	18.7	ng/ul	666386	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	7.29	45.0	ng/ul	1600070	1	7.82	711591	20.0
(DEL) Alkane: Str...	7.42	21.4	ng/ul	762282	1	7.82	711591	20.0
Benzene, 1,2,3-tr...	7.46	25.2	ng/ul	896891	1	7.82	711591	20.0
(DEL) Alkane: Cyc...	7.52	31.3	ng/ul	1115100	1	7.82	711591	20.0
unknown-02	7.63	30.5	ng/ul	1085420	1	7.82	711591	20.0
unknown-03	7.72	62.7	ng/ul	2231220	1	7.82	711591	20.0
Mesitylene	7.93	46.5	ng/ul	1654690	1	7.82	711591	20.0
1-Octadecanesulph...	7.99	37.6	ng/ul	1337150	1	7.82	711591	20.0
(DEL) Alkane: Str...	8.03	45.2	ng/ul	1606630	1	7.82	711591	20.0
Cyclohexane, butyl-	8.09	64.2	ng/ul	2283220	1	7.82	711591	20.0
(DEL) Alkane: Str...	8.23	18.5	ng/ul	657007	1	7.82	711591	20.0
Benzene, 1,2-diet...	8.30	28.4	ng/ul	1011740	1	7.82	711591	20.0
(DEL) Alkane: Str...	8.34	16.9	ng/ul	602818	1	7.82	711591	20.0
(DEL) Alkane: Str...	8.46	96.1	ng/ul	3418960	1	7.82	711591	20.0
Naphthalene, deca...	8.65	64.0	ng/ul	2278950	1	7.82	711591	20.0
o-Cymene	8.82	13.1	ng/ul	467668	1	7.82	711591	20.0
Benzene, 4-ethyl-...	8.92	162.7	ng/ul	5787050	1	7.82	711591	20.0
Sulfurous acid, c...	9.12	31.2	ng/ul	1108910	1	7.82	711591	20.0
unknown-04	9.16	62.8	ng/ul	2234150	1	7.82	711591	20.0
2,2-Dimethylinden...	9.26	13.2	ng/ul	1535220	2	10.63	2332180	20.0
Benzene, 1,3-diet...	10.08	4.4	ng/ul	510408	2	10.63	2332180	20.0
(DEL) Alkane: Str...	10.57	5.0	ng/ul	586987	2	10.63	2332180	20.0
Benzene, 1-ethyl-...	10.83	6.1	ng/ul	716423	2	10.63	2332180	20.0
(DEL) Alkane: Str...	12.99	3.6	ng/ul	410656	3	14.47	2263740	20.0
(DEL) Alkane: Str...	13.27	3.8	ng/ul	425163	3	14.47	2263740	20.0