

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
 Data File : BM013023.D
 Acq On : 18 Nov 2017 05:07
 Operator : SJ/JU
 Sample : I6451-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE2X1

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-BM111617.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.581	80	84	91	rBV	97121	116829	1.88%	0.145%
2	3.969	144	150	161	rBV	4669813	6053770	97.20%	7.508%
3	5.069	330	337	346	rVB	1265729	1812894	29.11%	2.248%
4	5.257	363	369	379	rVB	2071566	2955486	47.45%	3.665%
5	5.387	385	391	401	rBV	3481929	6228084	100.00%	7.724%
6	5.457	401	403	411	rVB3	51200	76066	1.22%	0.094%
7	5.751	446	453	462	rBV	1602870	2278783	36.59%	2.826%
8	6.222	519	533	538	rBV	205268	358251	5.75%	0.444%
9	6.398	555	563	568	rBV	109157	180633	2.90%	0.224%
10	6.710	610	616	624	rVB	126181	219084	3.52%	0.272%
11	6.816	627	634	638	rBV	176385	267643	4.30%	0.332%
12	6.881	638	645	652	rVV3	250210	506979	8.14%	0.629%
13	6.945	652	656	661	rVB	112279	159919	2.57%	0.198%
14	7.057	669	675	680	rBV	612961	919060	14.76%	1.140%
15	7.110	680	684	688	rVV	86817	118079	1.90%	0.146%
16	7.251	701	708	718	rVV2	730904	1347774	21.64%	1.672%
17	7.369	718	728	733	rVV	430950	653283	10.49%	0.810%
18	7.428	733	738	742	rVB	84172	123275	1.98%	0.153%
19	7.604	761	768	778	rBV10	37209	87810	1.41%	0.109%
20	7.716	778	787	793	rBV	624485	1090736	17.51%	1.353%
21	7.834	800	807	817	rBV	154137	268069	4.30%	0.332%
22	7.922	817	822	827	rVB	126057	193303	3.10%	0.240%
23	8.081	842	849	855	rBV3	83457	213743	3.43%	0.265%
24	8.145	855	860	865	rVV	398270	588789	9.45%	0.730%
25	8.204	865	870	876	rVB3	72315	115260	1.85%	0.143%
26	8.339	885	893	900	rBV2	442899	762950	12.25%	0.946%
27	8.416	900	906	912	rBV	550516	857716	13.77%	1.064%
28	8.716	952	957	964	rVB6	39534	71875	1.15%	0.089%
29	8.816	968	974	977	rBV2	68096	109522	1.76%	0.136%
30	8.869	977	983	992	rVV	810320	1363705	21.90%	1.691%
31	8.951	992	997	1006	rVB6	76401	185129	2.97%	0.230%
32	9.034	1006	1011	1017	rBV	106882	157294	2.53%	0.195%
33	9.504	1084	1091	1096	rBV5	46491	84584	1.36%	0.105%
34	9.586	1096	1105	1115	rVB2	667814	1192556	19.15%	1.479%

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35	9.875	1148	1154	1156	rBV4	38375	70529	1.13%	0.087%
36	9.922	1156	1162	1169	rVV4	159379	317434	5.10%	0.394%
37	10.116	1187	1195	1204	rVB	998251	1710832	27.47%	2.122%
38	10.310	1225	1228	1233	rVB3	50437	70568	1.13%	0.088%
39	10.498	1253	1260	1265	rBV	800515	1335377	21.44%	1.656%
40	10.551	1265	1269	1279	rVB	108270	211563	3.40%	0.262%
41	10.910	1325	1330	1336	rVB6	77684	140398	2.25%	0.174%
42	11.092	1355	1361	1368	rBV6	61889	123420	1.98%	0.153%
43	11.186	1372	1377	1383	rBV2	96091	162875	2.62%	0.202%
44	11.580	1438	1444	1450	rBV	258863	413979	6.65%	0.513%
45	11.845	1480	1489	1497	rBV	481261	802619	12.89%	0.995%
46	12.863	1653	1662	1664	rBV2	131265	252066	4.05%	0.313%
47	12.886	1664	1666	1671	rVB	160252	205391	3.30%	0.255%
48	13.004	1680	1686	1693	rVB	57543	86310	1.39%	0.107%
49	13.198	1714	1719	1724	rVB5	66462	104080	1.67%	0.129%
50	13.263	1724	1730	1737	rBV8	33135	73442	1.18%	0.091%
51	13.774	1810	1817	1823	rBV	1855062	2713495	43.57%	3.365%
52	13.833	1823	1827	1835	rVV	245120	421658	6.77%	0.523%
53	13.904	1835	1839	1844	rVB	48285	69964	1.12%	0.087%
54	14.045	1857	1863	1871	rVB	2047353	3056818	49.08%	3.791%
55	14.139	1873	1879	1885	rBV2	80863	141799	2.28%	0.176%
56	14.357	1909	1916	1921	rBV2	1177698	1851128	29.72%	2.296%
57	14.398	1921	1923	1930	rVB4	102391	133990	2.15%	0.166%
58	14.551	1943	1949	1956	rBV	205676	313221	5.03%	0.388%
59	15.257	2063	2069	2075	rVB6	44472	80357	1.29%	0.100%
60	15.351	2079	2085	2095	rVB2	2647438	4058005	65.16%	5.033%
61	15.463	2098	2104	2112	rBV	769399	1110704	17.83%	1.378%
62	15.592	2121	2126	2127	rBV3	72749	94219	1.51%	0.117%
63	15.615	2127	2130	2144	rVB	186828	334465	5.37%	0.415%
64	15.862	2165	2172	2177	rBV6	108617	233681	3.75%	0.290%
65	15.980	2185	2192	2196	rBV2	100399	178086	2.86%	0.221%
66	16.033	2196	2201	2205	rVV2	153890	260786	4.19%	0.323%
67	16.080	2205	2209	2216	rVB8	54033	99731	1.60%	0.124%
68	16.374	2255	2259	2262	rBV3	48029	69845	1.12%	0.087%
69	16.415	2262	2266	2272	rVB	149176	216054	3.47%	0.268%
70	16.480	2272	2277	2282	rBV5	53710	100938	1.62%	0.125%
71	16.627	2298	2302	2310	rVB10	36769	70817	1.14%	0.088%

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72	16.845	2334	2339	2346	rVB4	57406	109664	1.76%	0.136%
73	17.068	2371	2377	2379	rBV	457366	627718	10.08%	0.779%
74	17.104	2379	2383	2392	rVB	1569347	2216827	35.59%	2.749%
75	17.204	2392	2400	2406	rBV2	2891515	4232831	67.96%	5.250%
76	17.474	2437	2446	2452	rVB6	39065	91811	1.47%	0.114%
77	17.639	2470	2474	2480	rBV4	47155	74764	1.20%	0.093%
78	17.774	2492	2497	2501	rBV	124622	184291	2.96%	0.229%
79	18.009	2533	2537	2540	rBV4	64011	82583	1.33%	0.102%
80	18.145	2554	2560	2566	rVV	235951	346213	5.56%	0.429%
81	18.245	2571	2577	2580	rVV2	225804	358837	5.76%	0.445%
82	18.298	2580	2586	2593	rVV	393579	735358	11.81%	0.912%
83	18.698	2649	2654	2659	rBV7	39017	82505	1.32%	0.102%
84	18.839	2674	2678	2683	rBV	49617	69708	1.12%	0.086%
85	19.009	2703	2707	2713	rVB2	56966	80526	1.29%	0.100%
86	19.127	2721	2727	2734	rVB5	46541	97428	1.56%	0.121%
87	19.221	2739	2743	2749	rBV6	68751	139905	2.25%	0.174%
88	19.292	2752	2755	2766	rVV4	117846	192344	3.09%	0.239%
89	19.498	2783	2790	2795	rBV	3568827	4974917	79.88%	6.170%
90	19.545	2795	2798	2805	rVB	509441	633559	10.17%	0.786%
91	19.745	2829	2832	2836	rVB4	75967	96899	1.56%	0.120%
92	19.903	2855	2859	2863	rBV2	67744	82417	1.32%	0.102%
93	19.950	2863	2867	2871	rVB2	97879	127253	2.04%	0.158%
94	20.003	2871	2876	2880	rBV6	93139	146023	2.34%	0.181%
95	20.227	2910	2914	2919	rVB3	78837	95875	1.54%	0.119%
96	21.203	3077	3080	3084	rBV6	82341	107259	1.72%	0.133%
97	21.286	3089	3094	3100	rVB	2305834	2829373	45.43%	3.509%
98	21.409	3111	3115	3123	rBV	228641	360473	5.79%	0.447%
99	23.380	3442	3450	3457	rBV	2853999	5254804	84.37%	6.517%
100	23.521	3467	3474	3483	rVB2	1416794	2788200	44.77%	3.458%

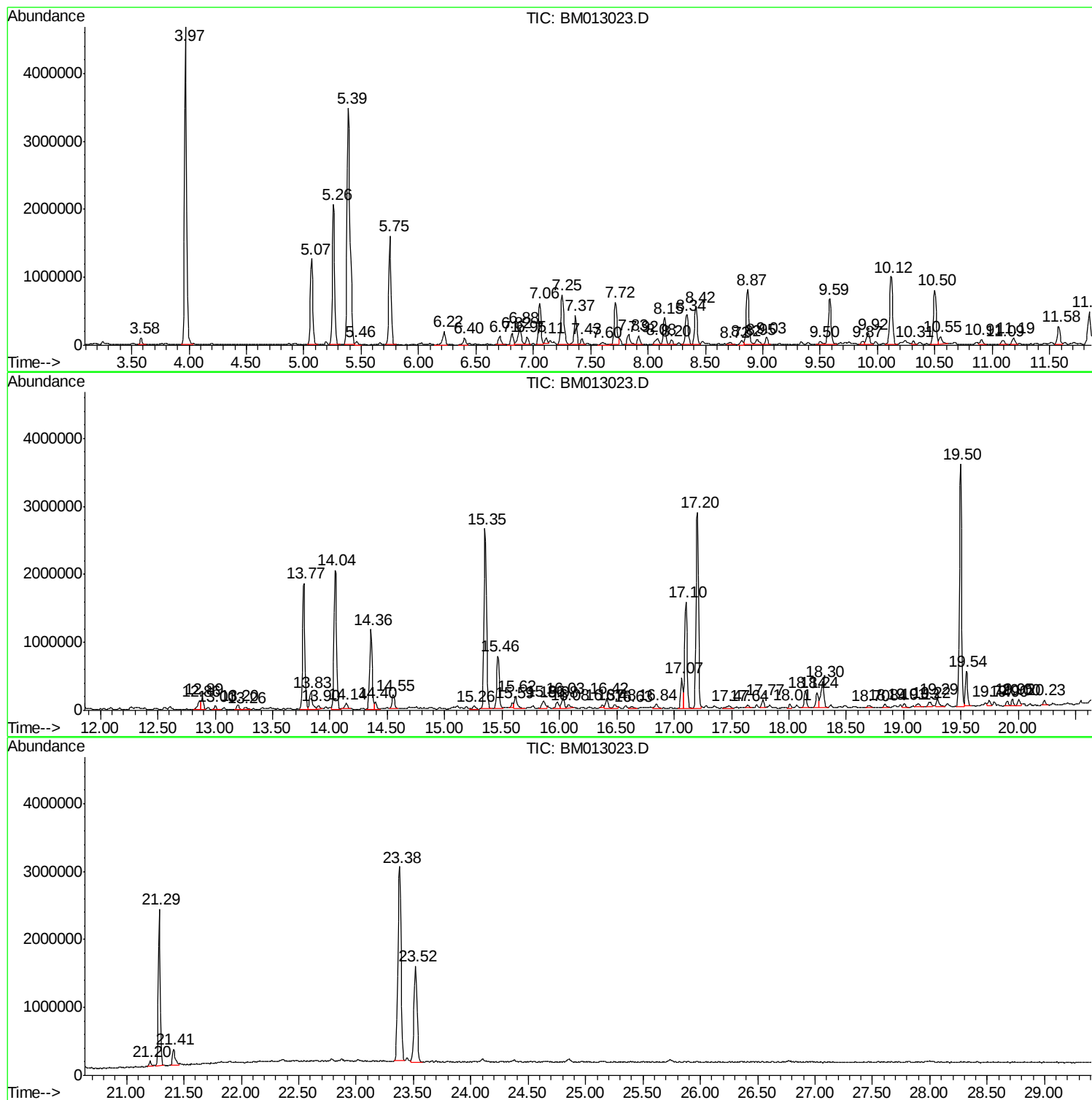
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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



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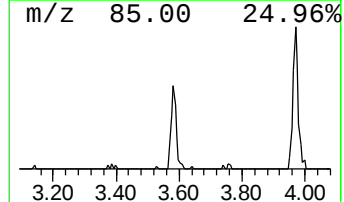
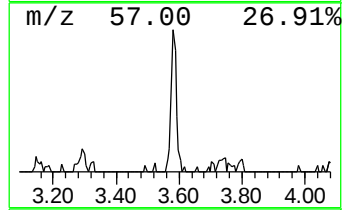
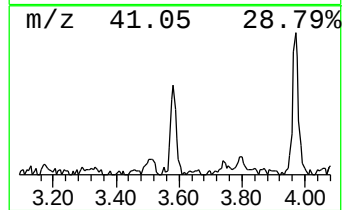
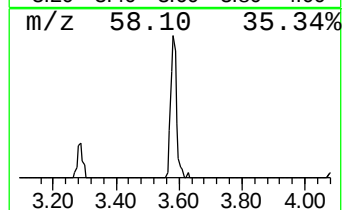
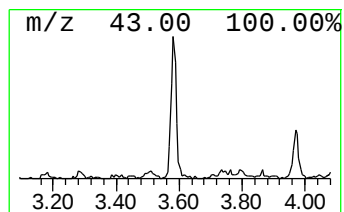
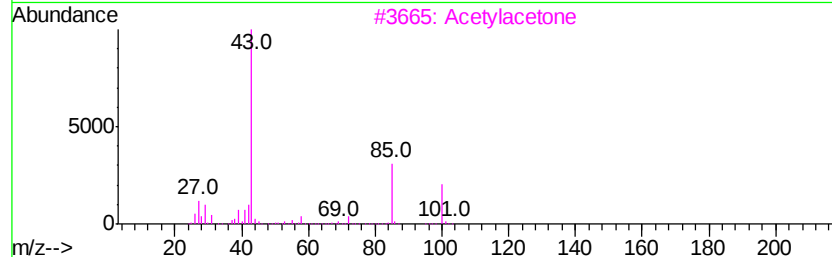
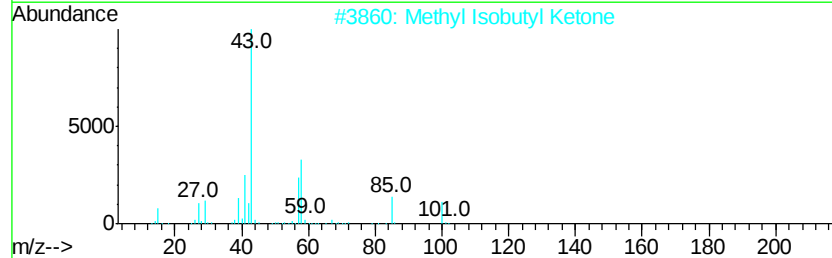
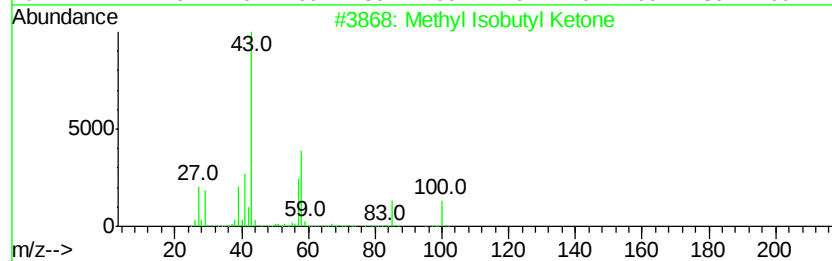
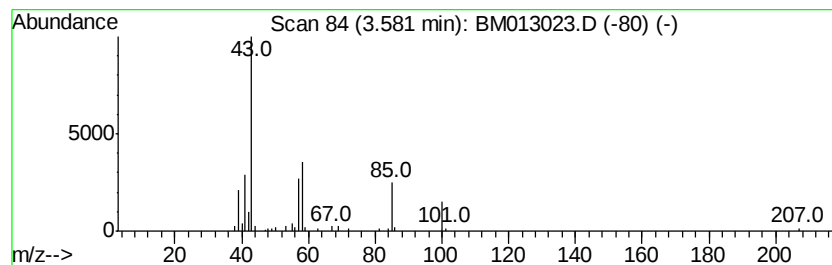
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Methyl Isobutyl Ketone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.58	2.14 ng/ul	116829	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	64
2		Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	64
3		Acetylacetone	100	C5H8O2	000123-54-6	53
4		Acetylacetone	100	C5H8O2	000123-54-6	53
5		2-Hexanone	100	C6H12O	000591-78-6	46



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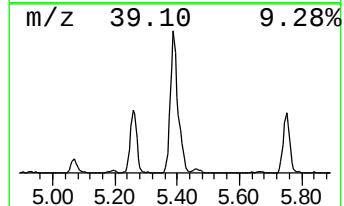
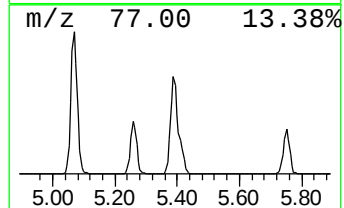
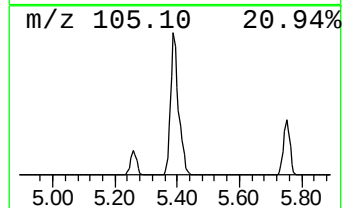
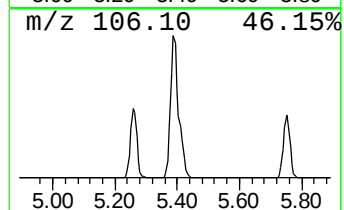
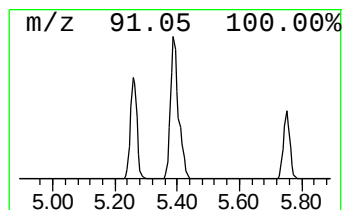
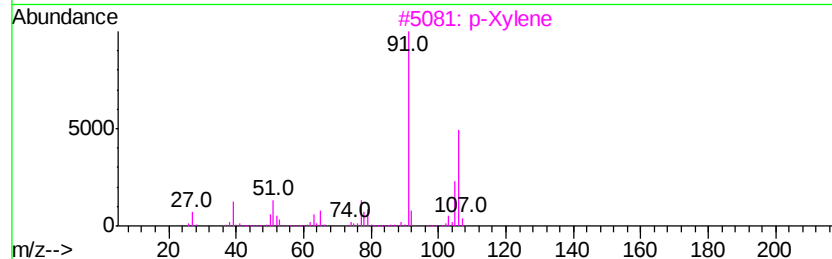
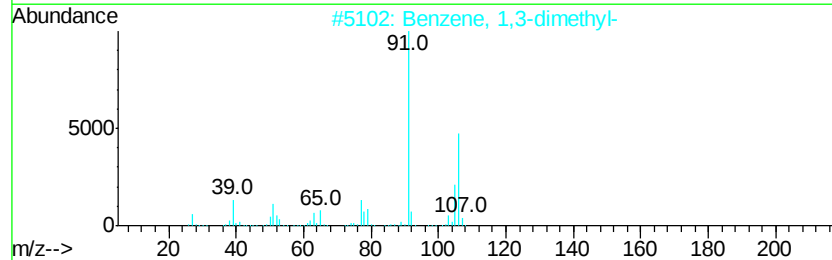
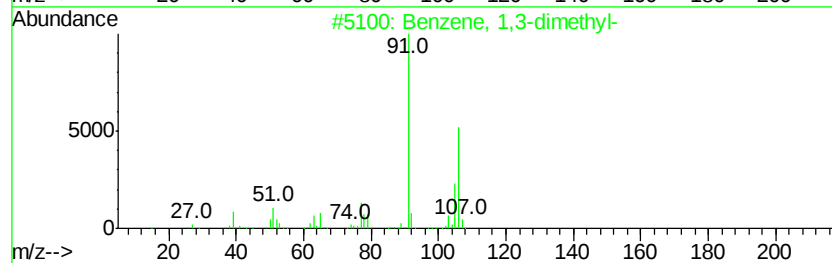
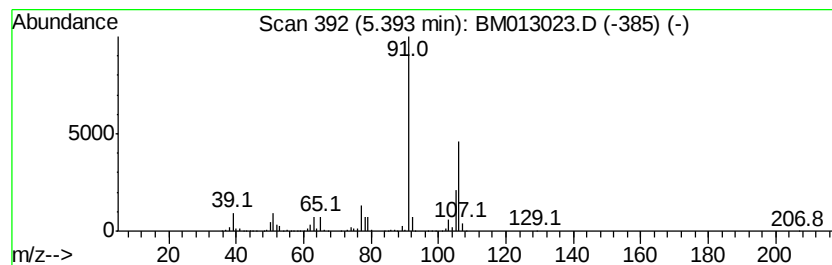
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	114.20 ng/ul	6228080	1,4-Dichlorobenzene-d4	7.72

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2		Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3		p-Xylene	106	C8H10	000106-42-3	97
4		Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
5		p-Xylene	106	C8H10	000106-42-3	94



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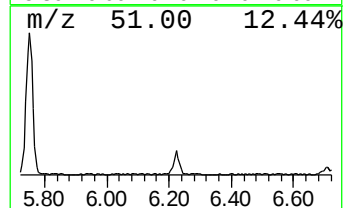
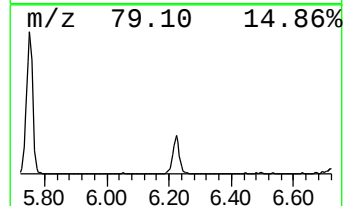
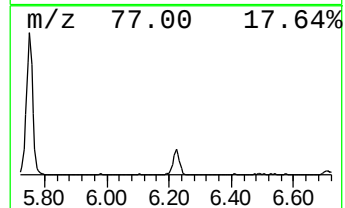
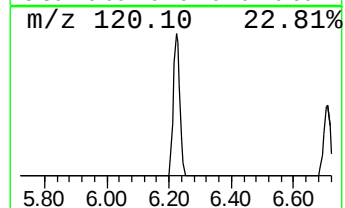
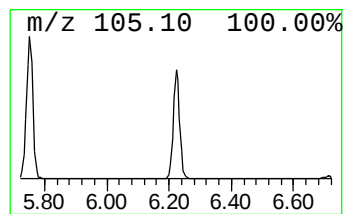
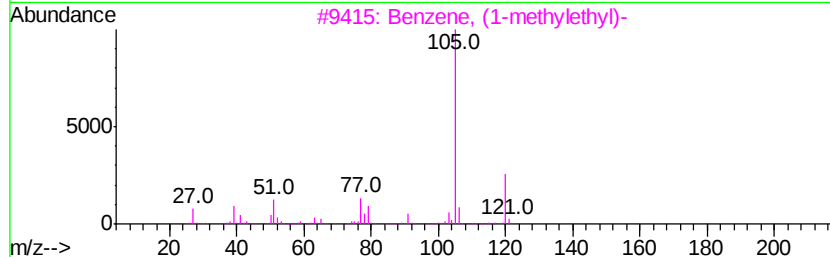
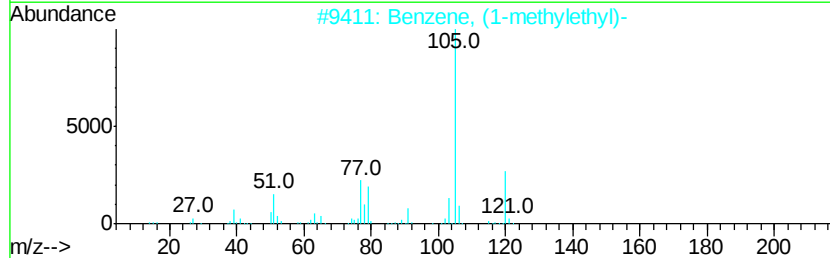
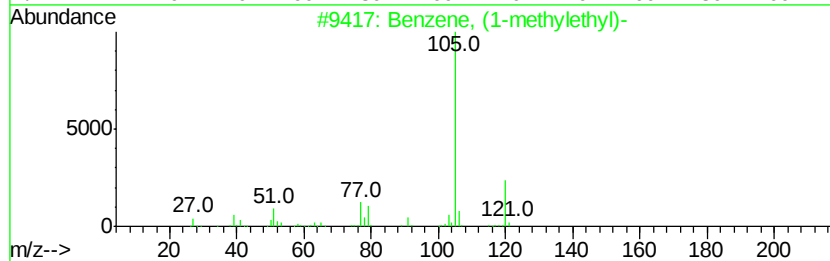
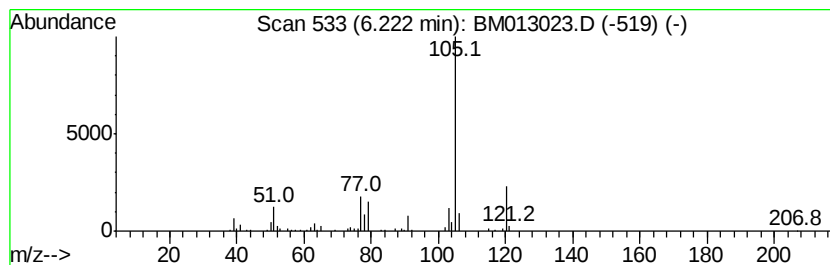
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Peak Number 7 Benzene, (1-methylethyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	6.57 ng/ul	358251	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	93
3		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
4		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
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Instrument :
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ClientSampleId :
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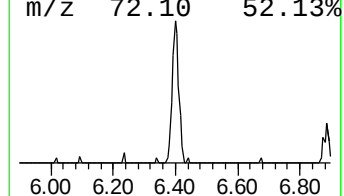
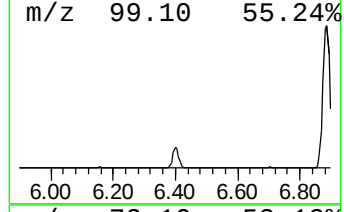
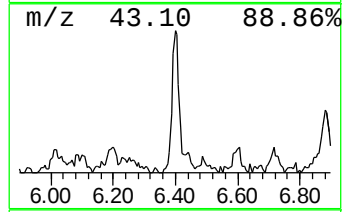
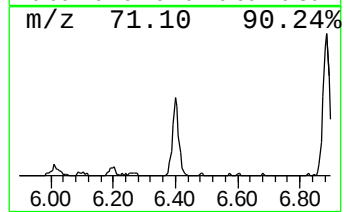
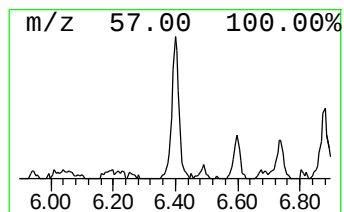
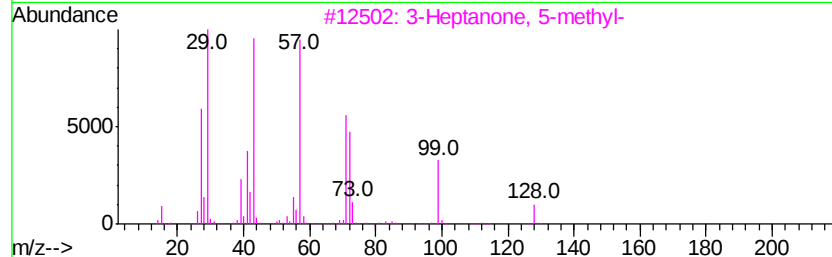
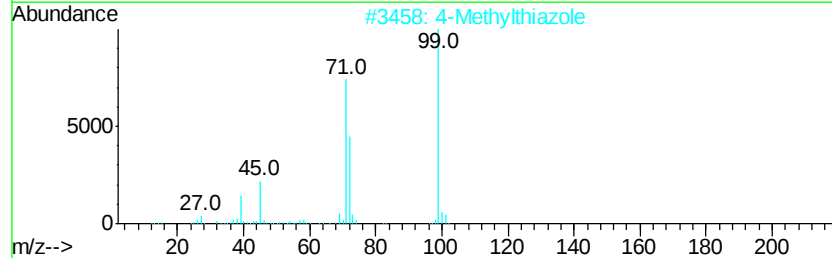
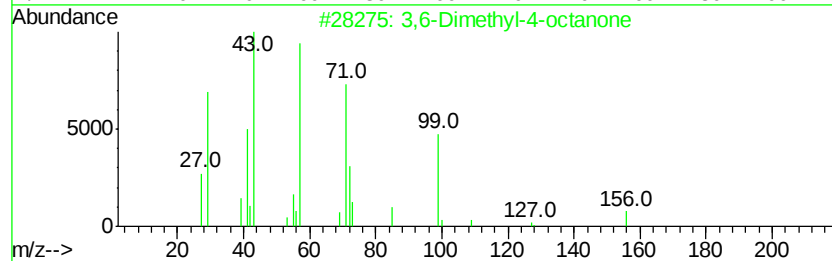
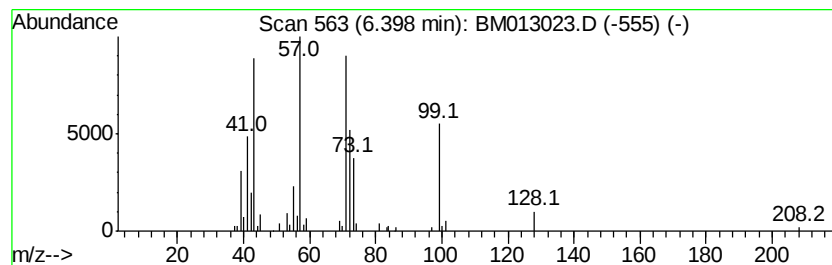
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 3,6-Dimethyl-4-octanone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	3.31 ng/ul	180633	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,6-Dimethyl-4-octanone	156	C10H20O	034645-03-9	64
2		4-Methylthiazole	99	C4H5NS	000693-95-8	53
3		3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	52
4		3-Octanone	128	C8H16O	000106-68-3	49
5		3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	49



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
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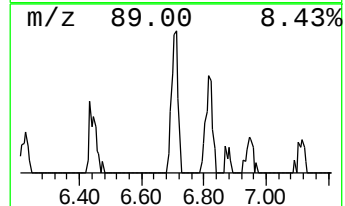
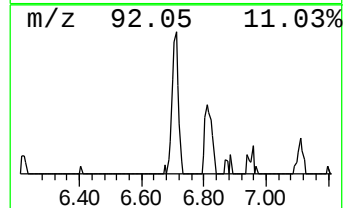
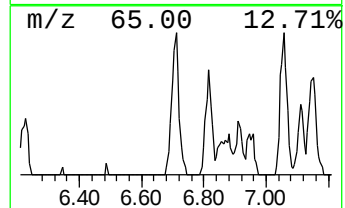
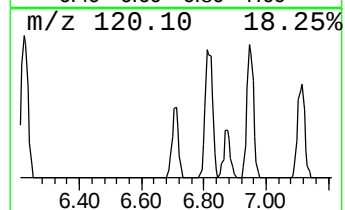
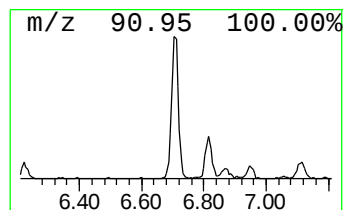
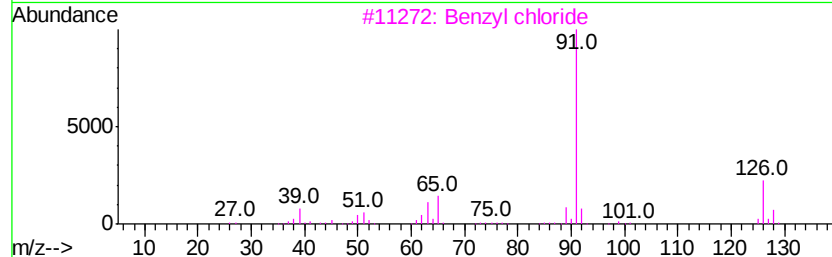
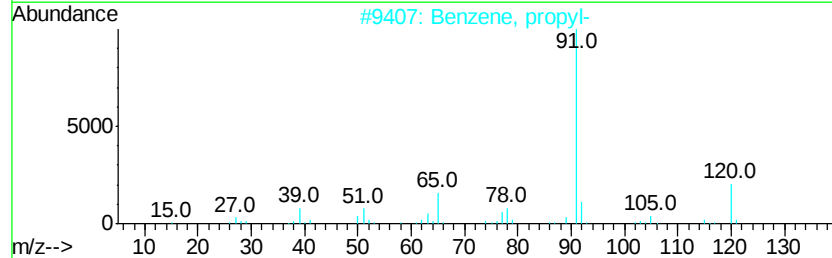
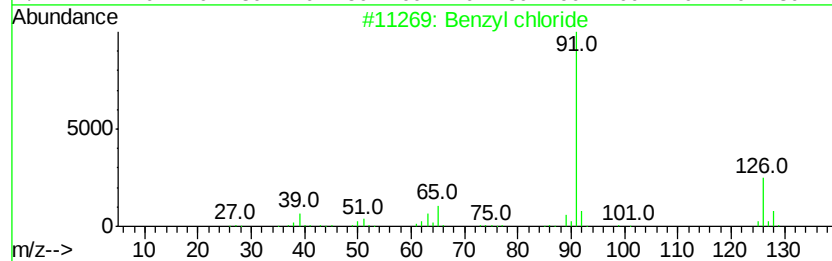
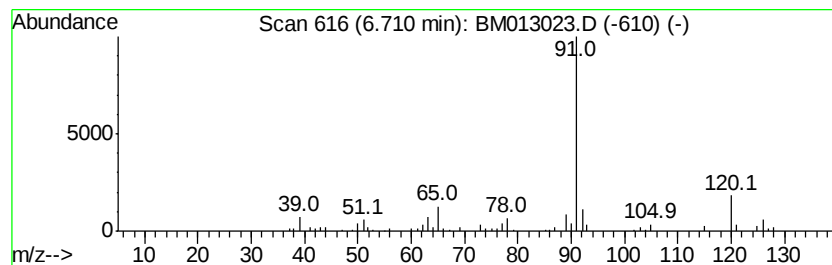
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzyl chloride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	4.02 ng/ul	219084	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzyl chloride	126	C7H7Cl	000100-44-7	74
2			Benzene, propyl-	120	C9H12	000103-65-1	70
3			Benzyl chloride	126	C7H7Cl	000100-44-7	64
4			1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	64
5			Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
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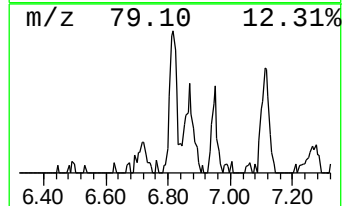
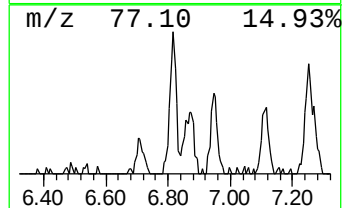
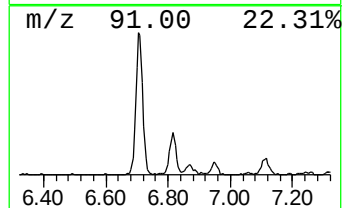
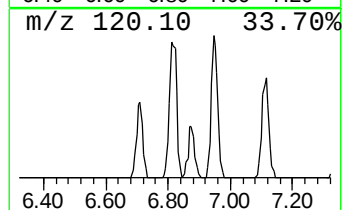
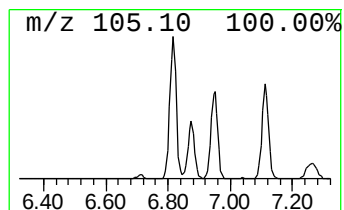
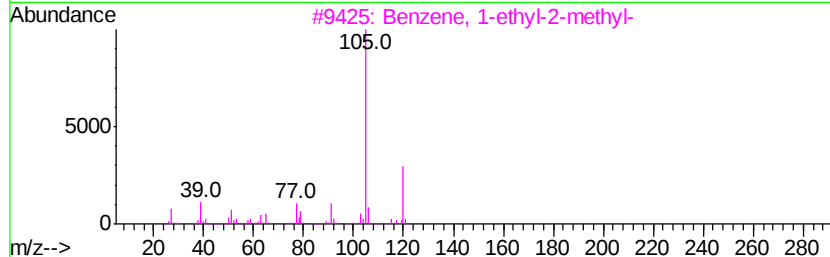
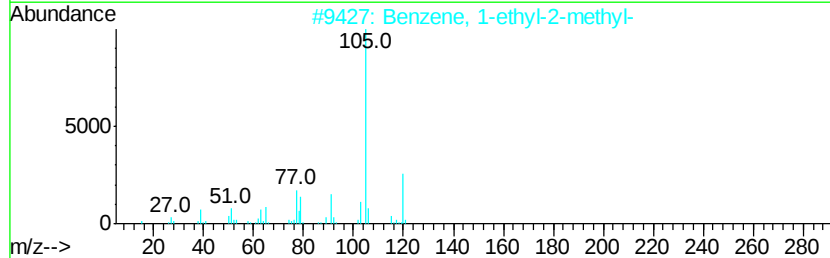
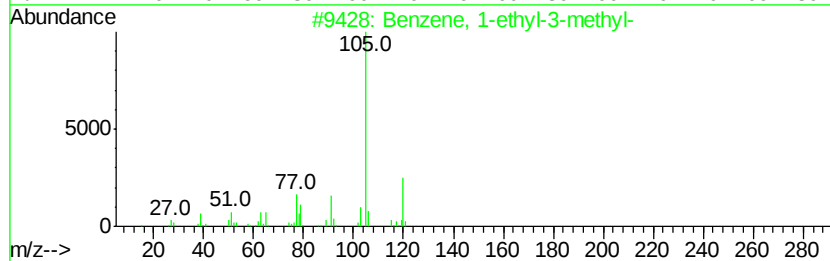
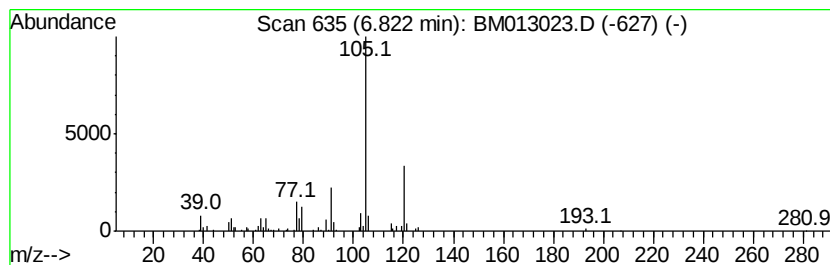
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	4.91 ng/ul	267643	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
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Misc :
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ClientSampleID :
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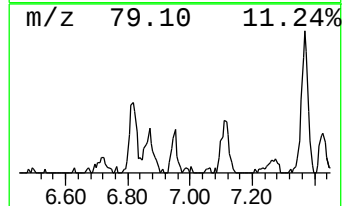
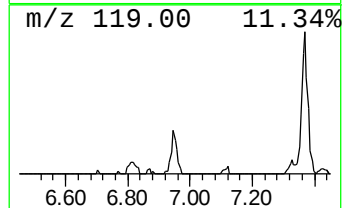
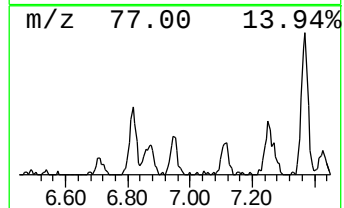
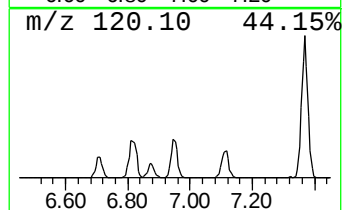
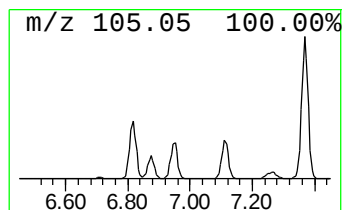
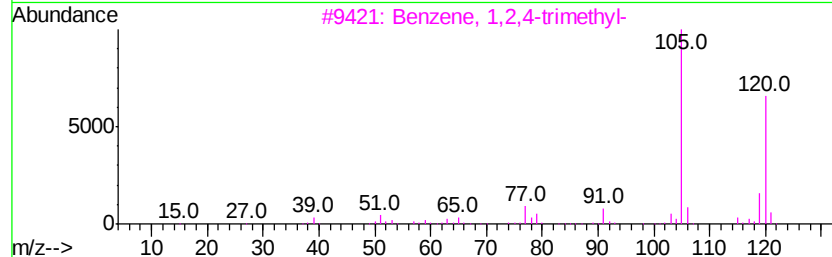
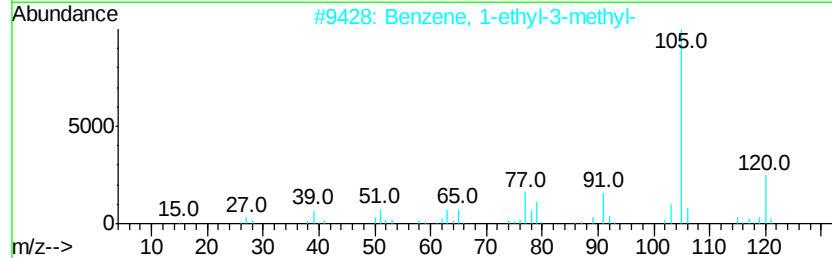
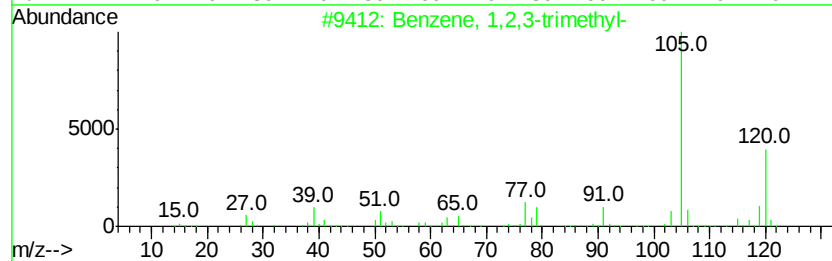
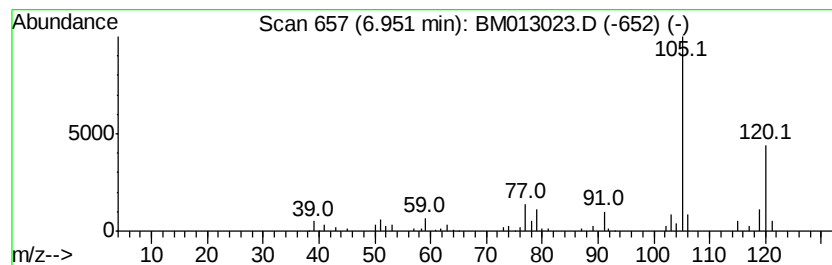
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	2.93 ng/ul	159919	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
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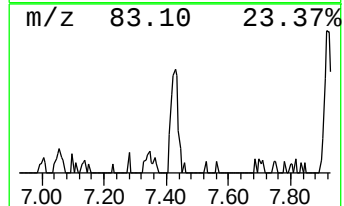
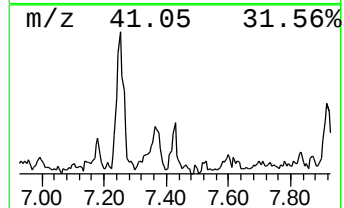
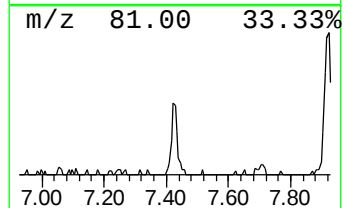
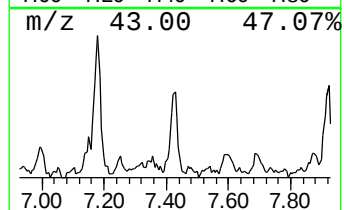
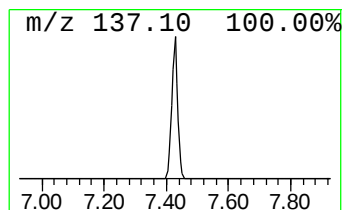
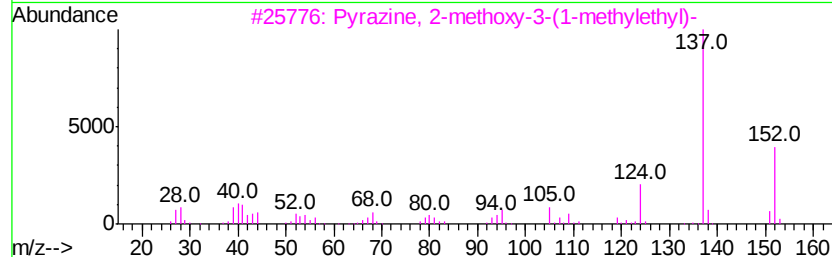
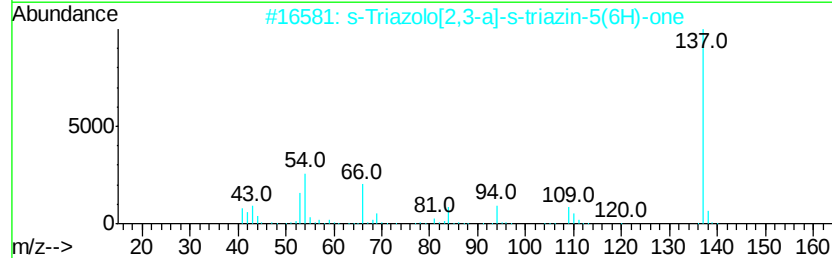
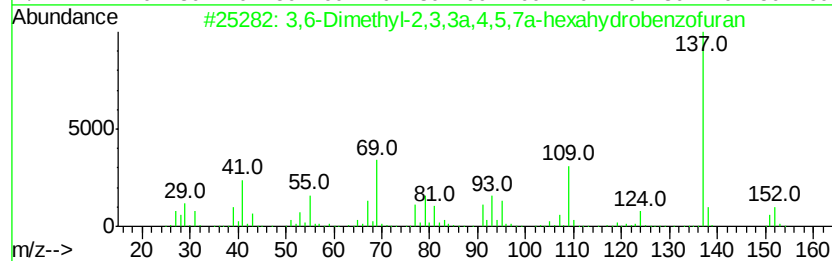
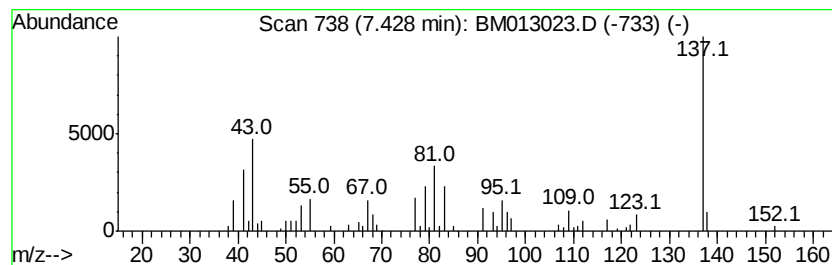
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 3,6-Dimethyl-2,3,3a,4,5,7a-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	2.26 ng/ul	123275	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,6-Dimethyl-2,3,3a,4,5,7a-hexah...	152	C10H16O	070786-44-6	50
2			s-Triazolo[2,3-a]-s-triazin-5(6H)...	137	C4H3N5O	001489-03-8	46
3			Pvrazine, 2-methoxy-3-(1-methyle...	152	C8H12N2O	025773-40-4	40
4			Cyclohexanone, 2-(2-nitro-2-prop...	183	C9H13NO3	078551-08-3	40
5			3,6-Dimethyl-2,3,3a,4,5,7a-hexah...	152	C10H16O	070786-44-6	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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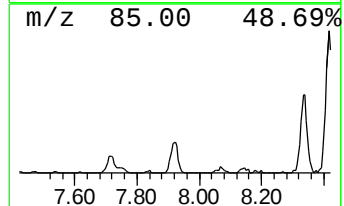
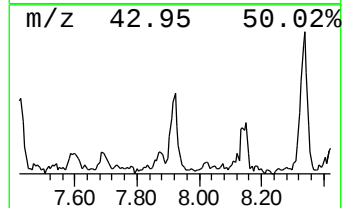
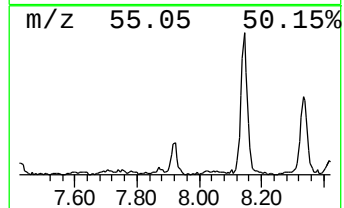
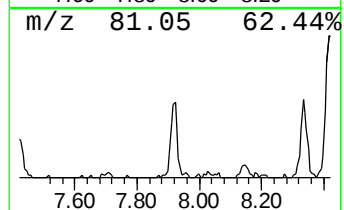
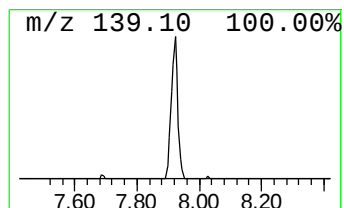
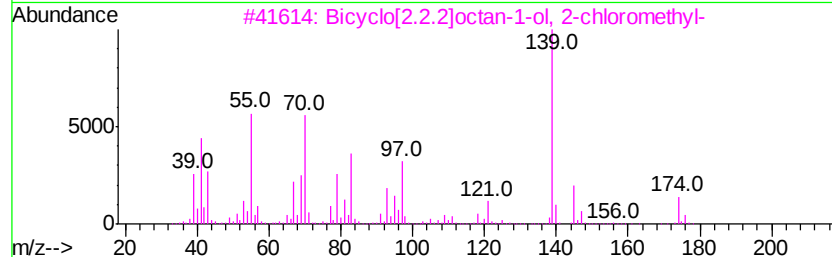
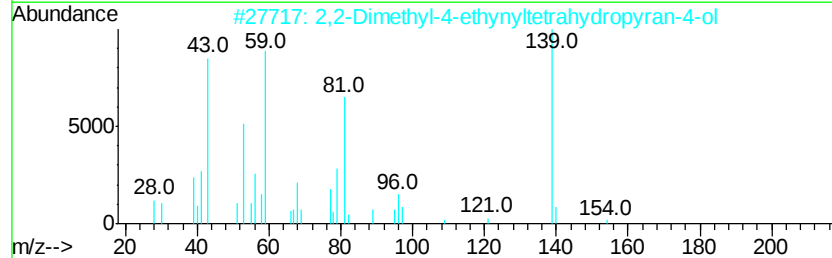
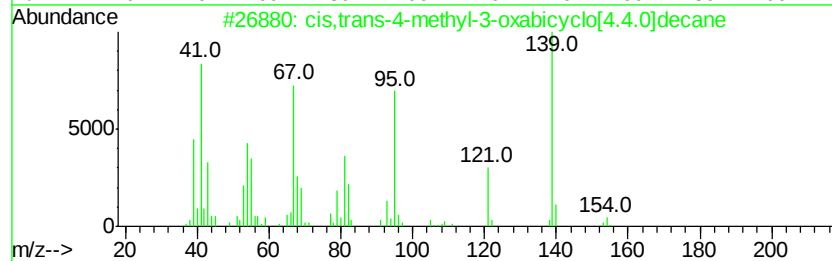
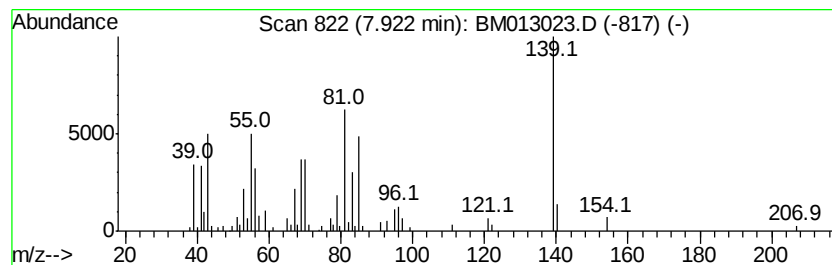
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	3.54 ng/ul	193303	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis,trans-4-methyl-3-oxabicyclo[...]	154	C10H18O	1000216-89-8	38
2			2,2-Dimethyl-4-ethynyltetrahydro...	154	C9H14O2	015775-89-0	37
3			Bicyclo[2.2.2]octan-1-ol, 2-chlo...	174	C9H15ClO	274689-99-5	37
4			9-Ethylbicyclo(3.3.1)nonan-9-ol	168	C11H20O	021915-33-3	37
5			5-Dimethylamino-furan-2-carbalde...	139	C7H9NO2	1000317-69-8	37



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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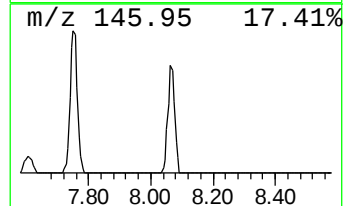
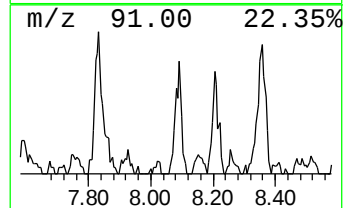
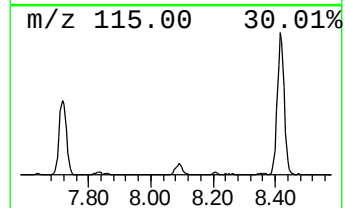
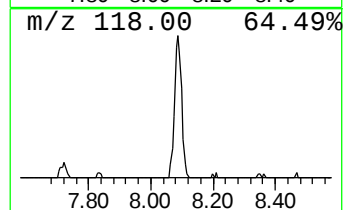
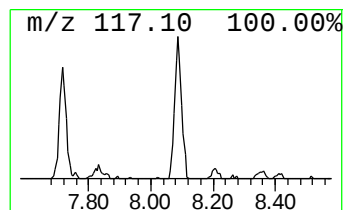
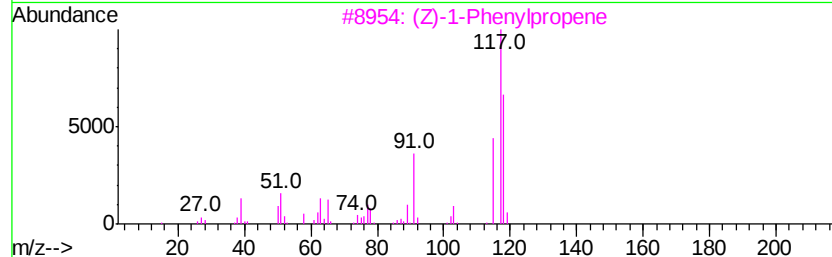
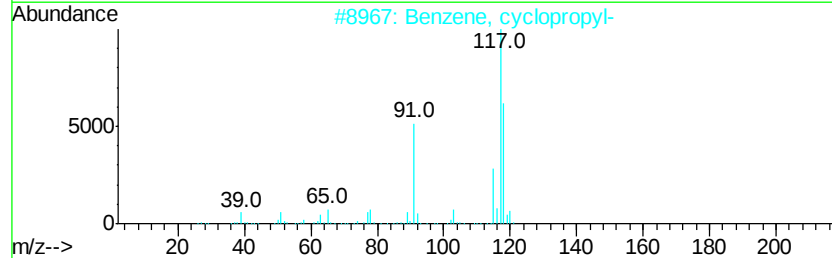
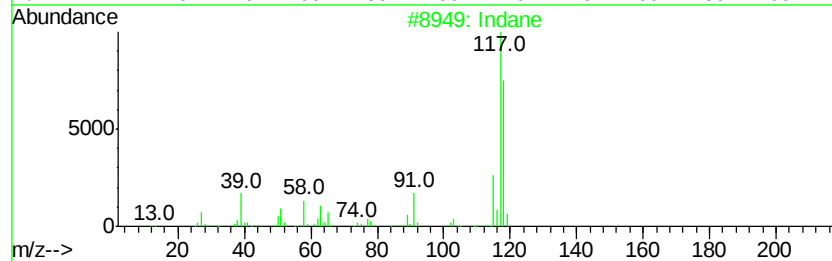
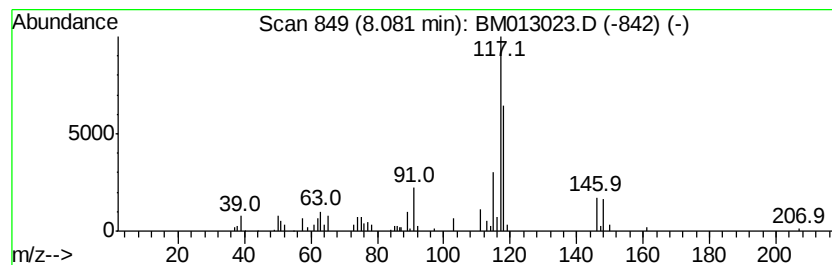
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	3.92 ng/ul	213743	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	62
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	58
3		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	58
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	52
5		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	52



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

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ClientSampleId :
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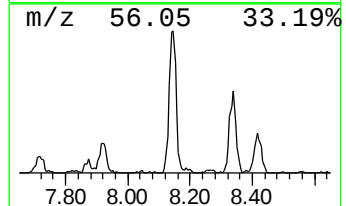
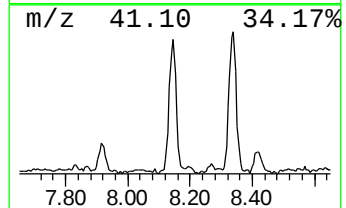
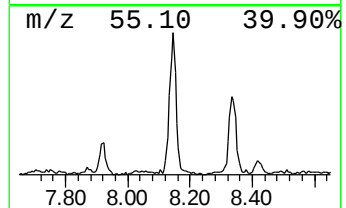
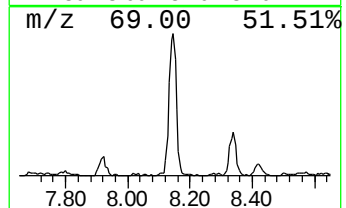
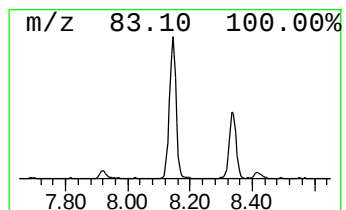
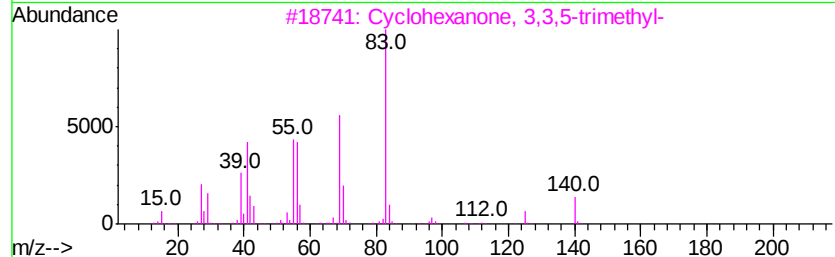
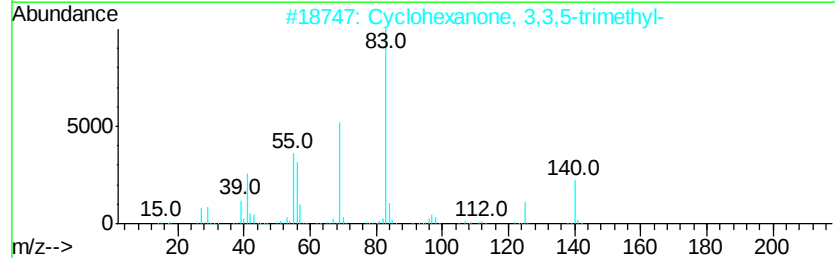
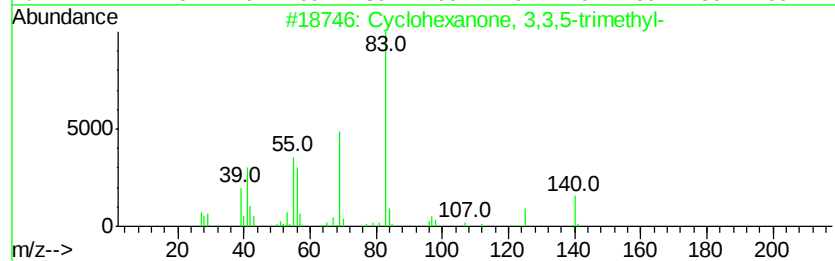
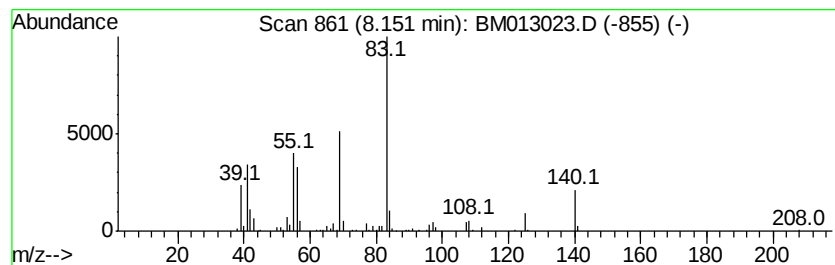
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Cyclohexanone, 3,3,5-trimet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	10.80 ng/ul	588789	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	95
2		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	93
3		Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4		1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	59
5		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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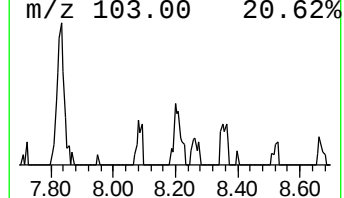
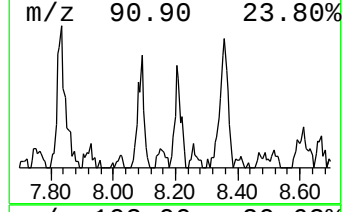
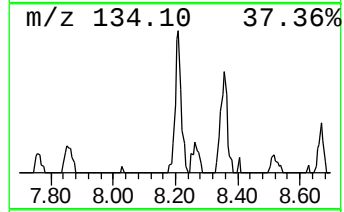
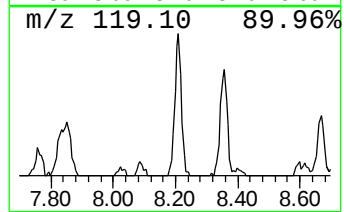
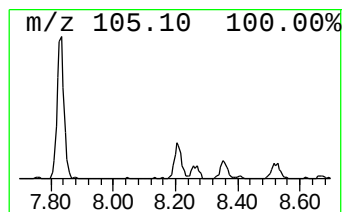
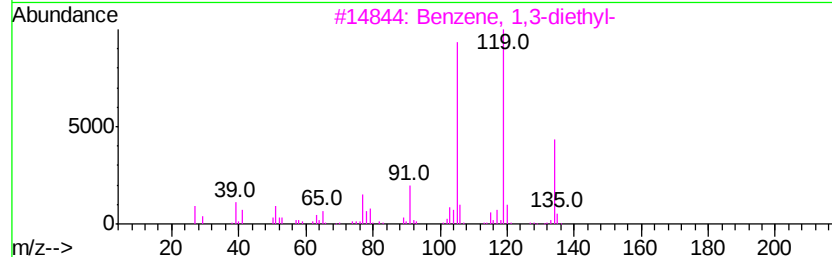
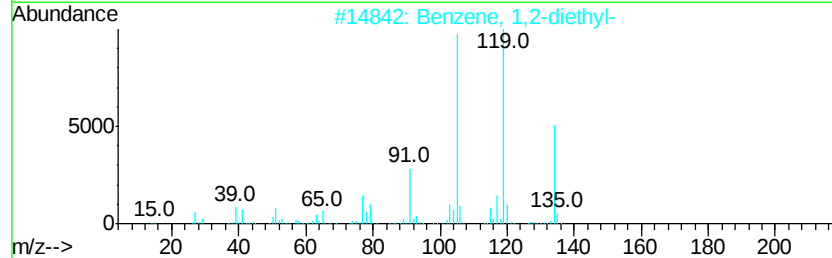
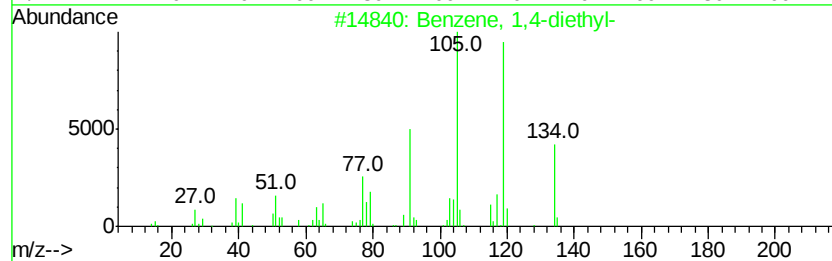
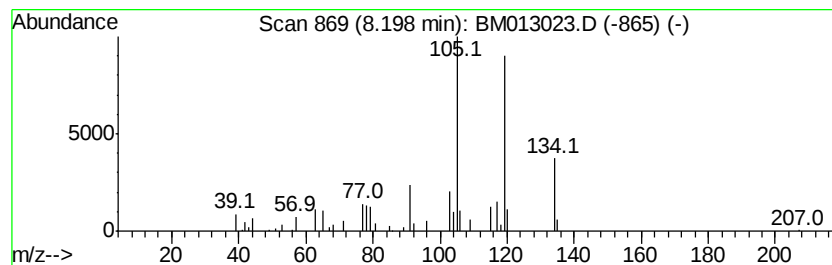
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Benzene, 1,4-diethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	2.11 ng/ul	115260	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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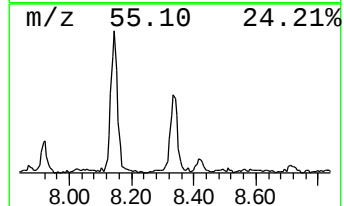
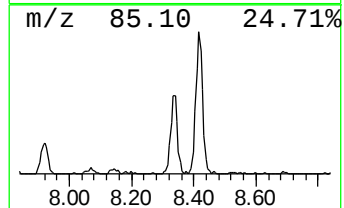
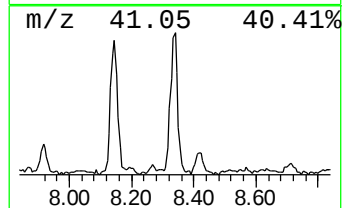
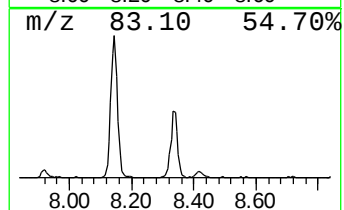
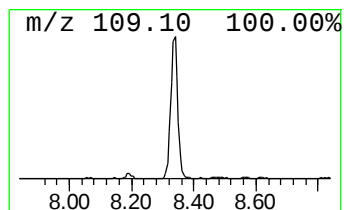
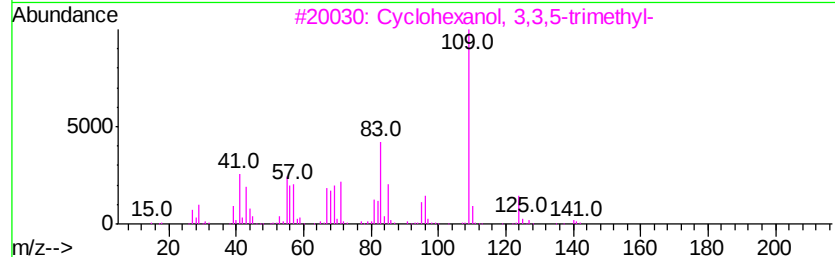
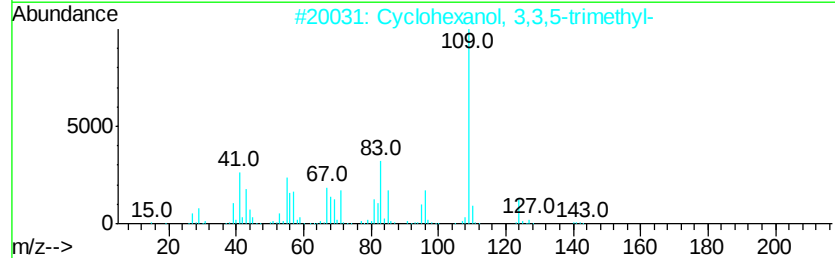
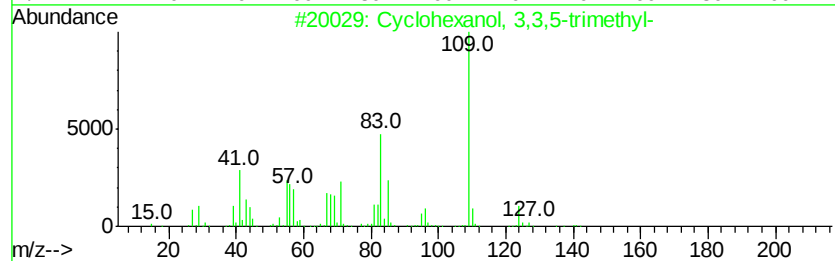
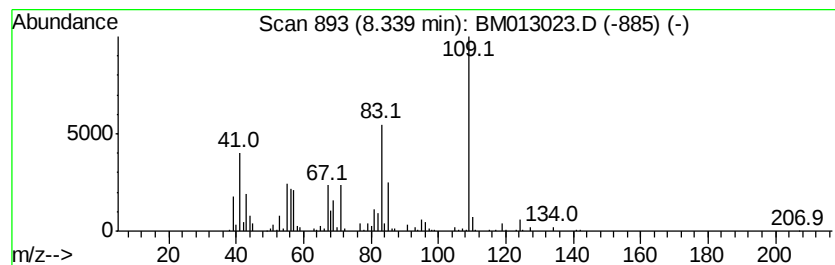
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Cyclohexanol, 3,3,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	13.99 ng/ul	762950	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	91
2			Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	50
3			Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	45
4			Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000933-48-2	38
5			Pentane, 1-(2,2-dibromocycloprop...	268	C8H14Br2	006519-43-3	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
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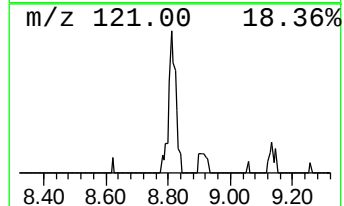
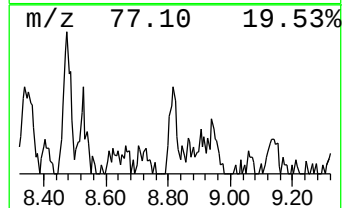
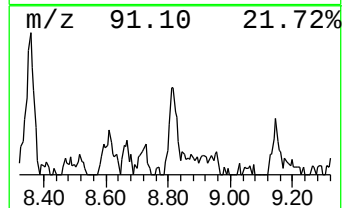
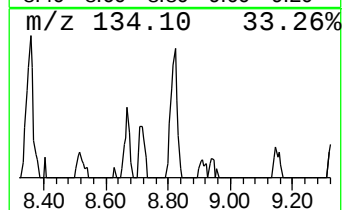
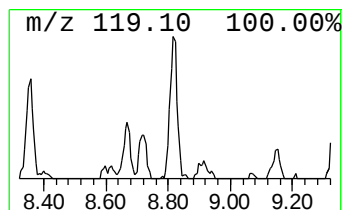
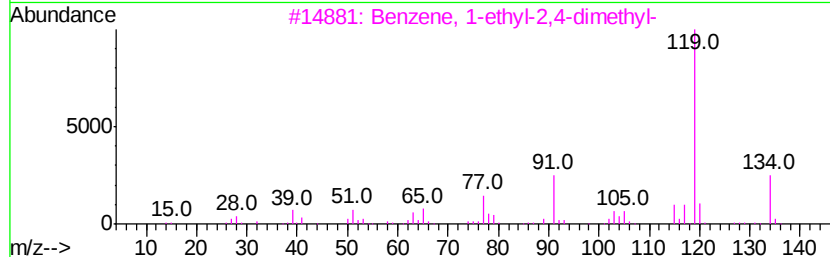
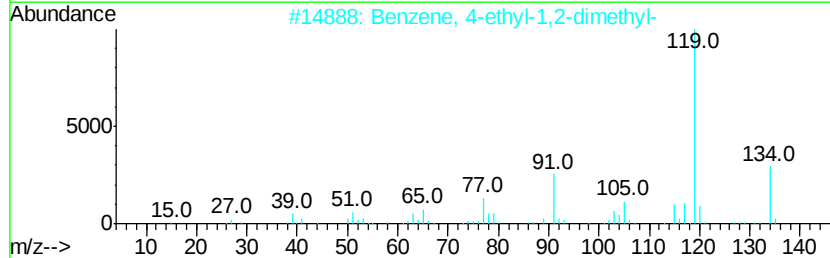
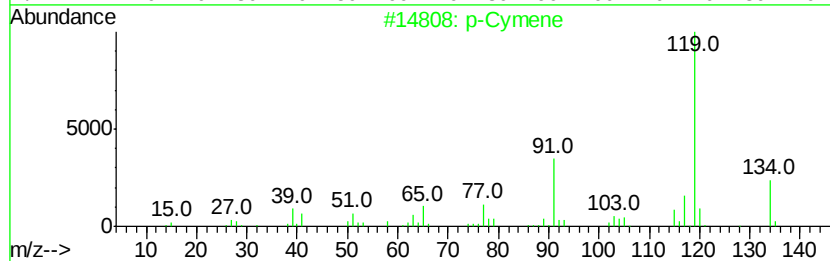
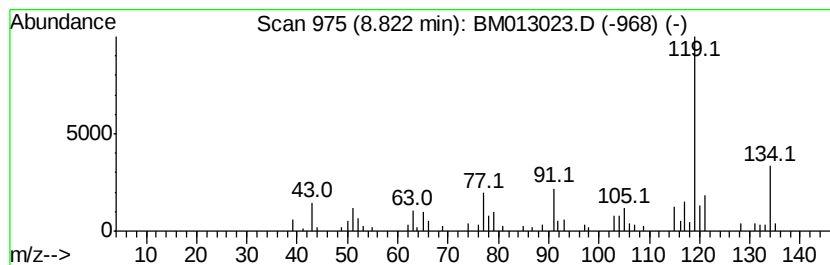
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 p-Cymene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	2.01 ng/ul	109522	1,4-Dichlorobenzene-d4	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	83
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	80
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	80



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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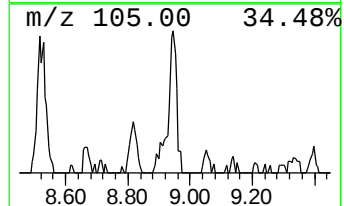
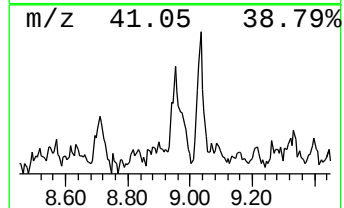
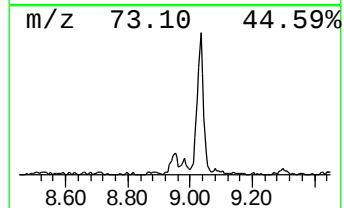
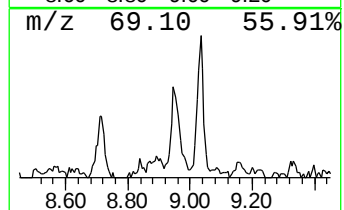
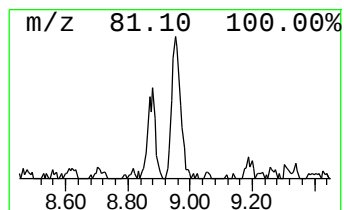
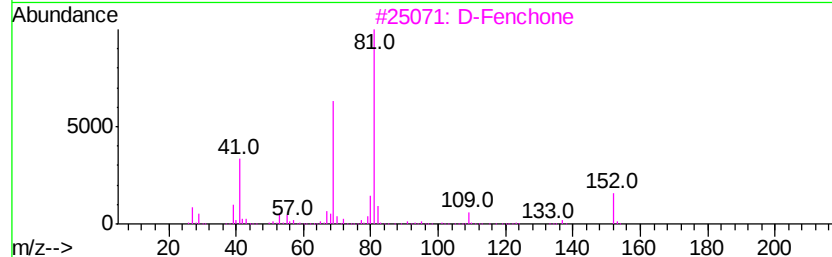
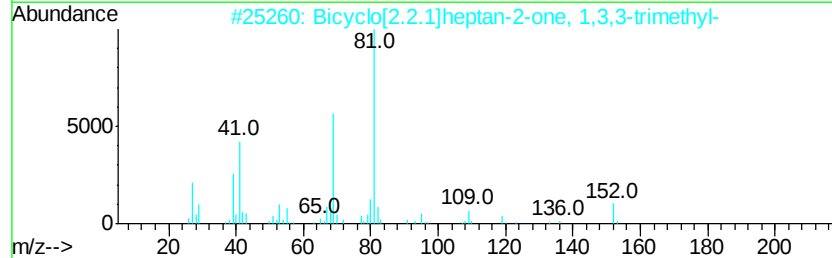
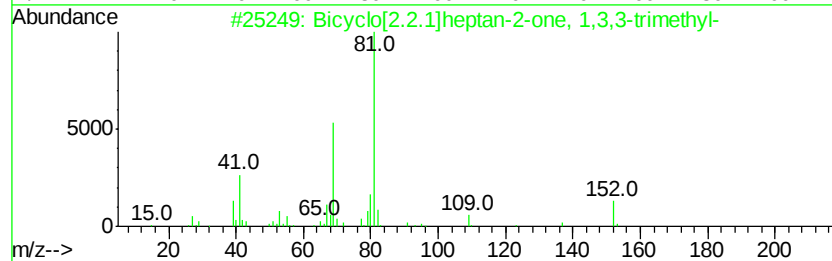
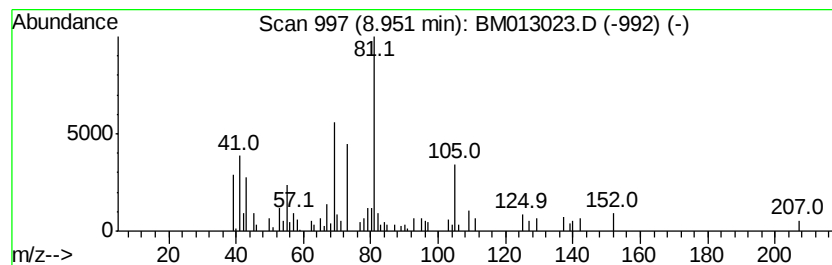
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	3.39 ng/ul	185129	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	52
2			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	52
3			D-Fenchone	152	C10H16O	004695-62-9	50
4			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	50
5			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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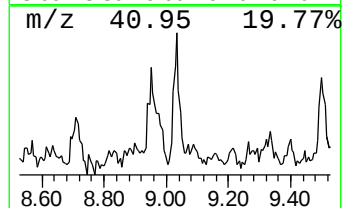
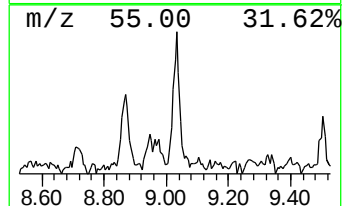
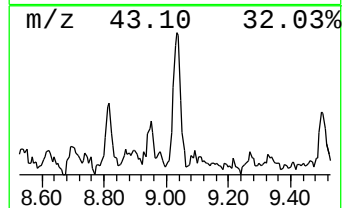
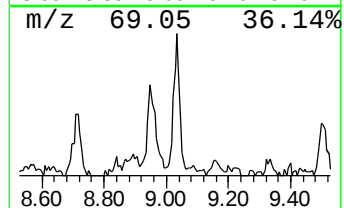
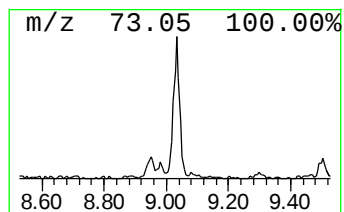
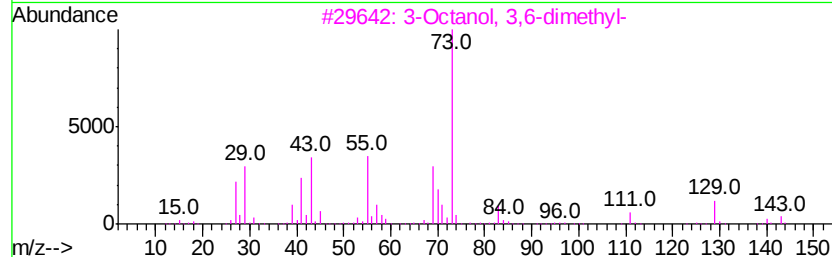
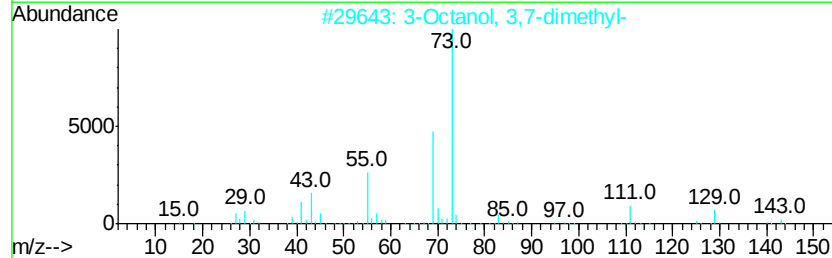
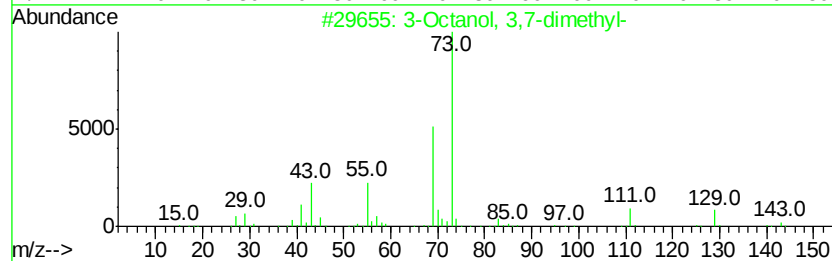
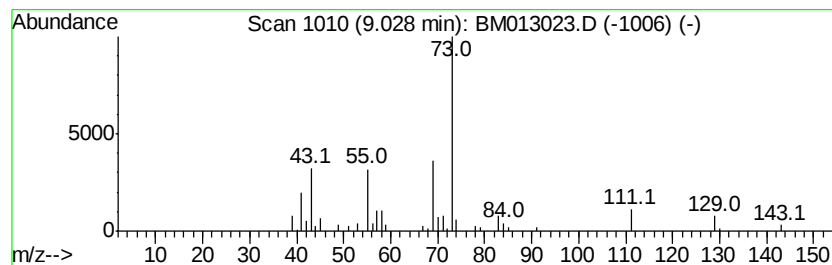
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	2.88 ng/ul	157294	1,4-Dichlorobenzene-d4	7.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	38
2			3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	37
3			3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	22
4			3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	16
5			3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	16



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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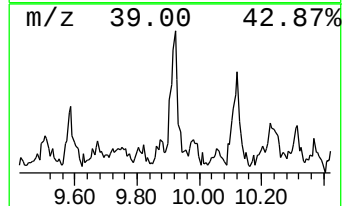
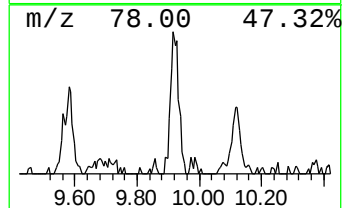
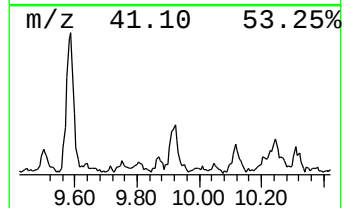
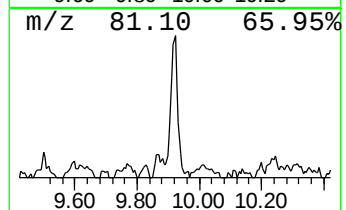
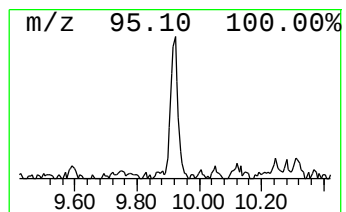
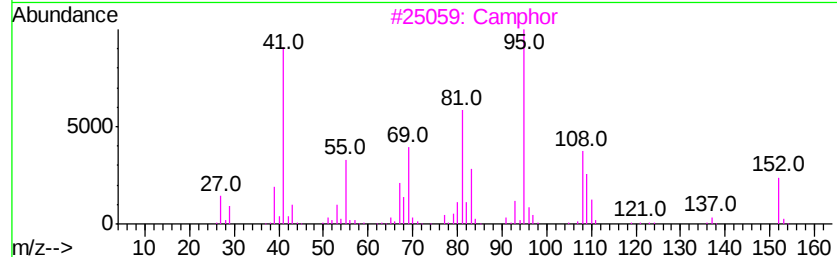
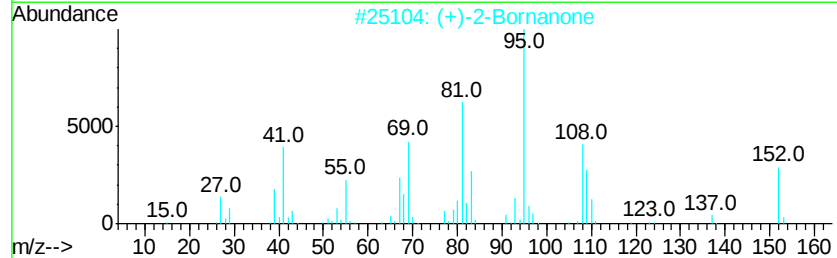
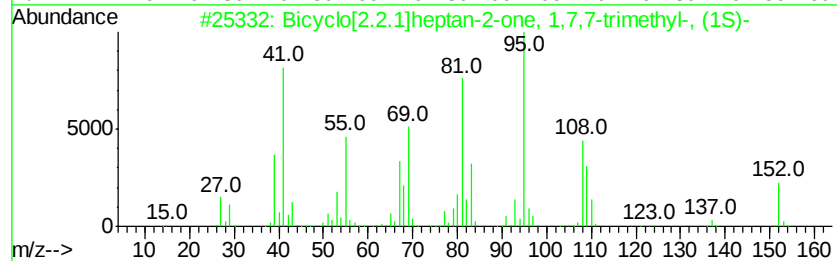
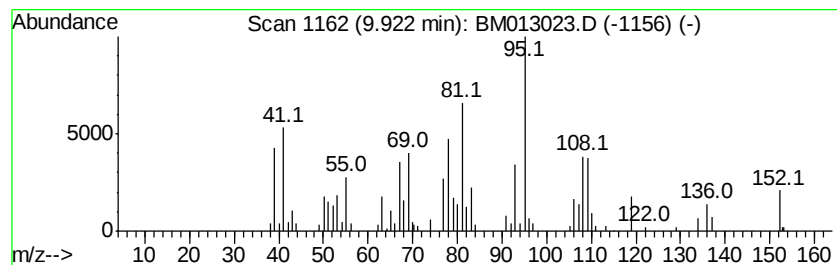
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	4.75 ng/ul	317434	Naphthalene-d8	10.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	96
2		(+)-2-Bornanone	152	C10H16O	000464-49-3	92
3		Camphor	152	C10H16O	000076-22-2	91
4		(+)-2-Bornanone	152	C10H16O	000464-49-3	83
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	60



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE2X1

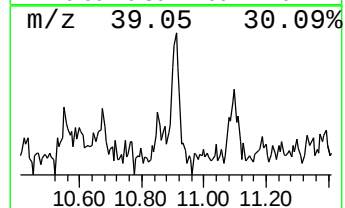
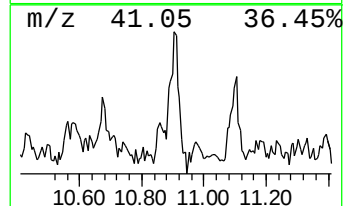
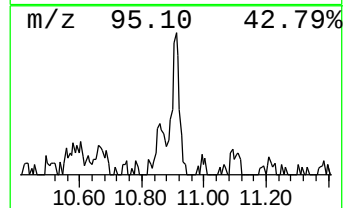
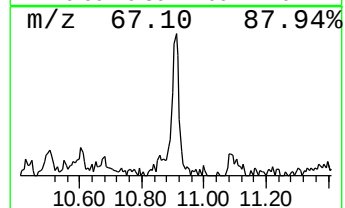
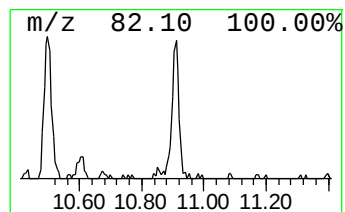
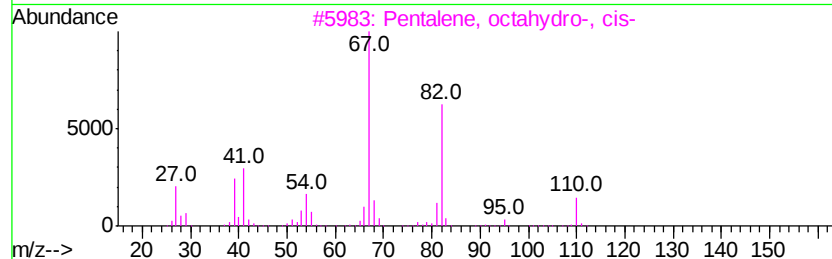
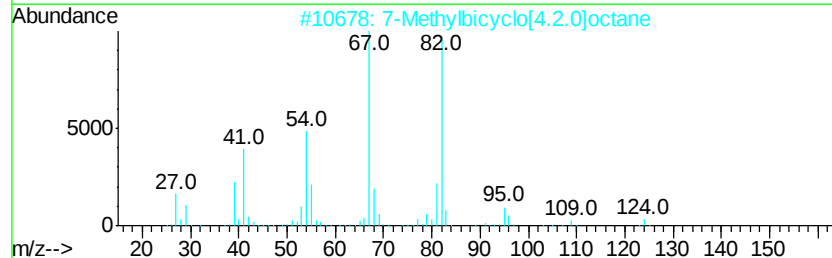
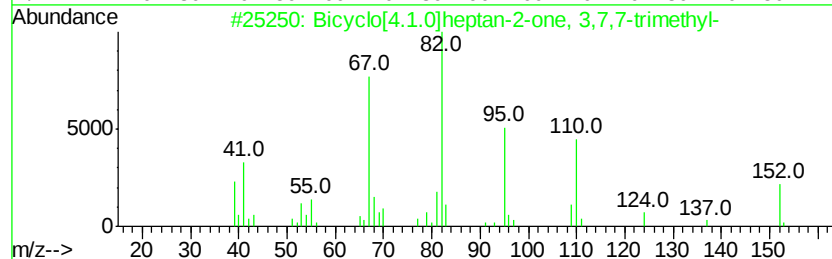
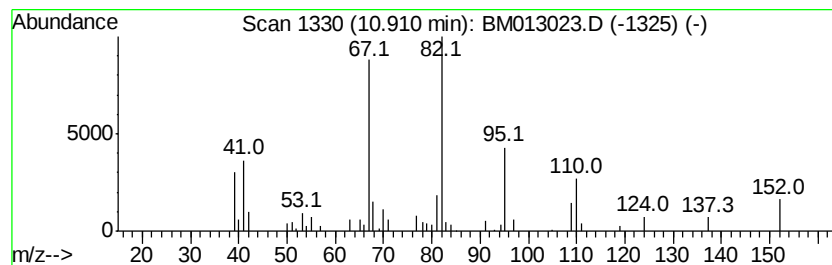
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Bicyclo[4.1.0]heptan-2-one,... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	2.10 ng/ul	140398	Naphthalene-d8	10.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.1.0]heptan-2-one, 3,7,...	152	C10H16O	000497-62-1	91
2		7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	53
3		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	50
4		C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	49
5		1-Methylcycloheptene	110	C8H14	055308-20-8	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BE2X1

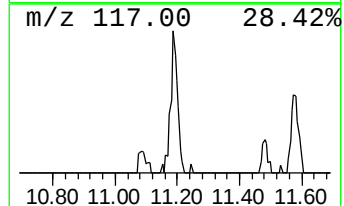
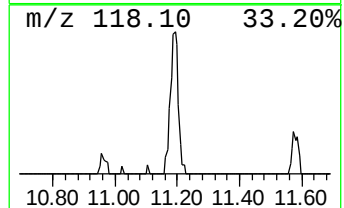
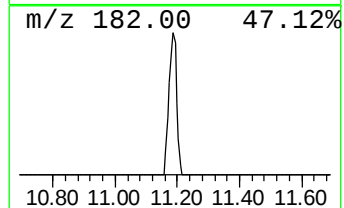
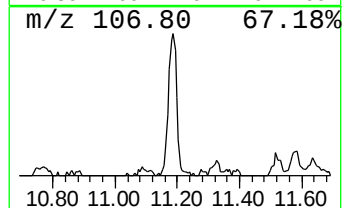
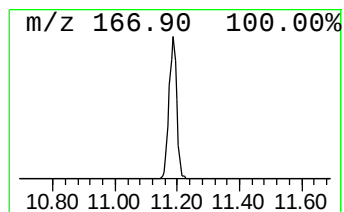
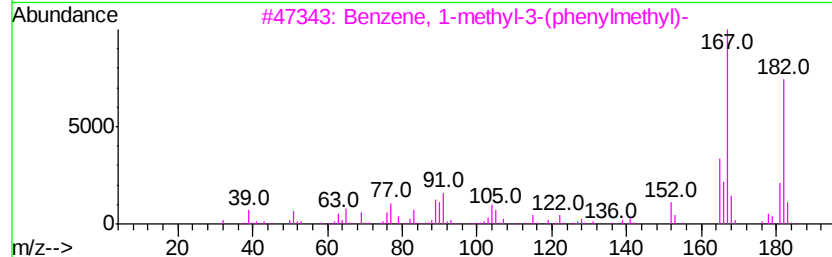
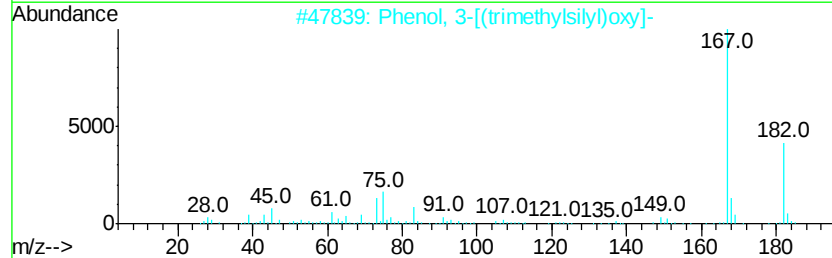
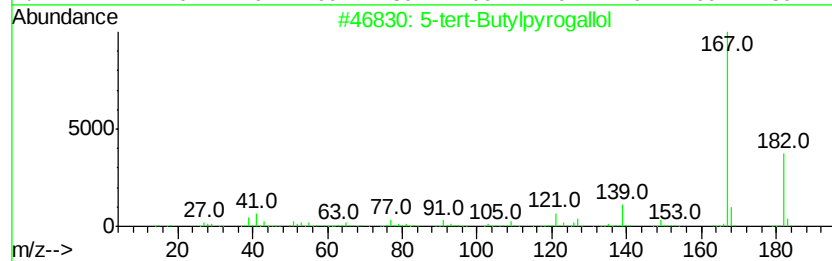
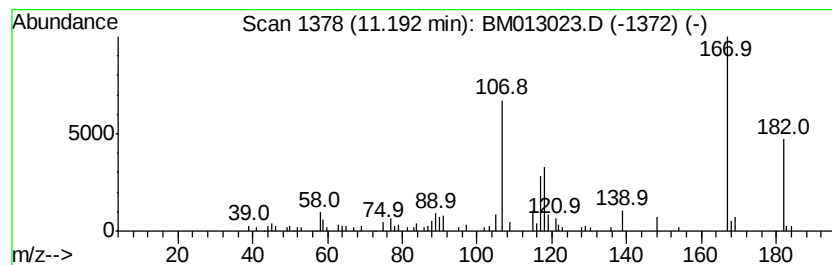
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 unknown-03 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.44 ng/ul	162875	Naphthalene-d8	10.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	37
2			Phenol, 3-[(trimethylsilyl)oxy]-	182	C9H14O2Si	017882-01-8	37
3			Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	32
4			Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	32
5			Hydroquinone mono-trimethylsilyl...	182	C9H14O2Si	017881-87-7	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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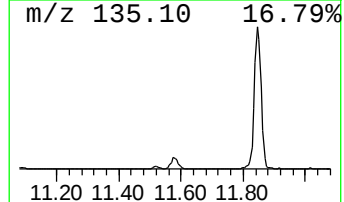
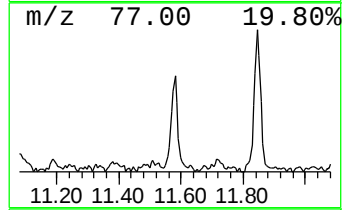
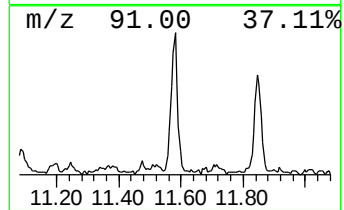
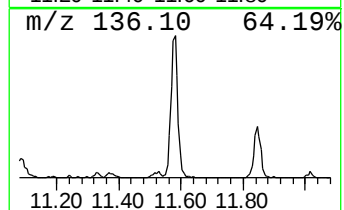
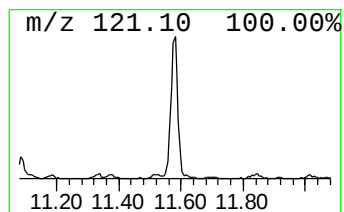
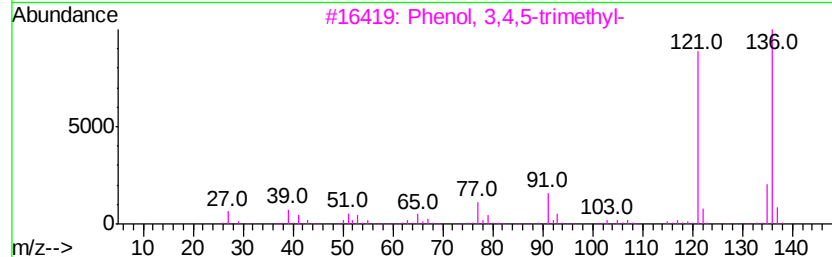
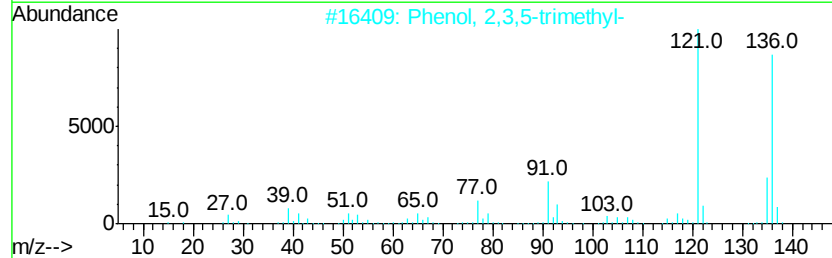
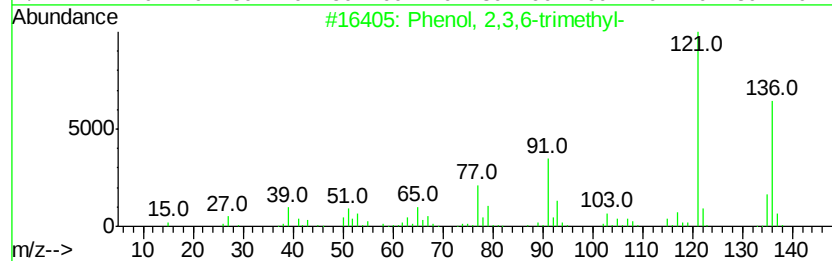
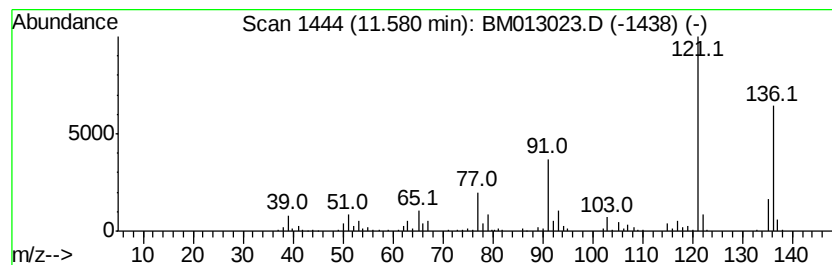
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Phenol, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	6.20 ng/ul	413979	Napthalene-d8	10.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	96
2			Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	96
3			Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	96
4			Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	94
5			Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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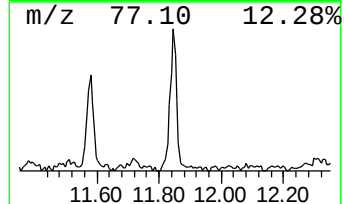
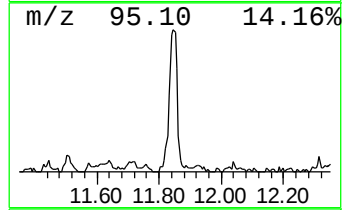
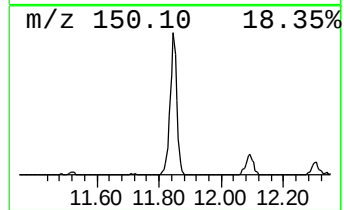
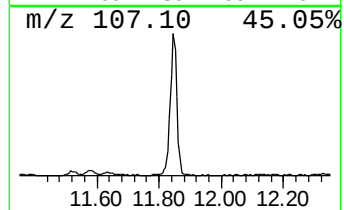
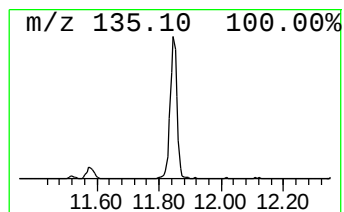
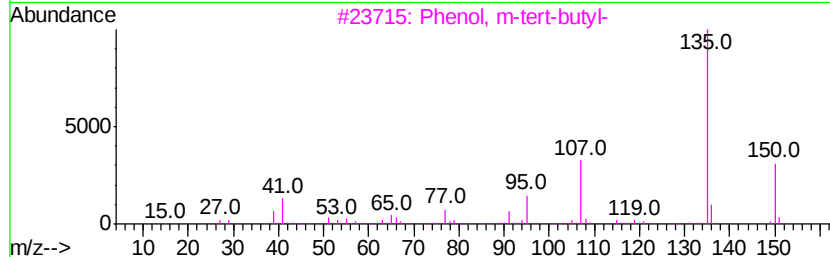
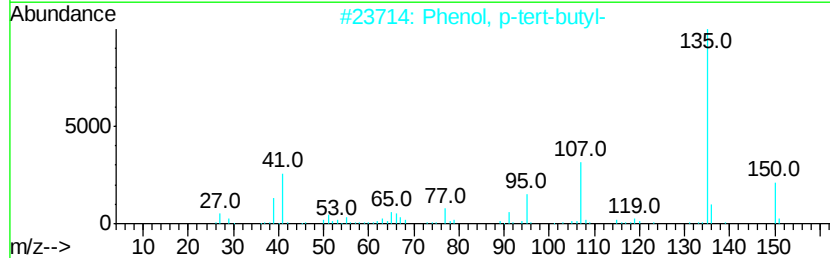
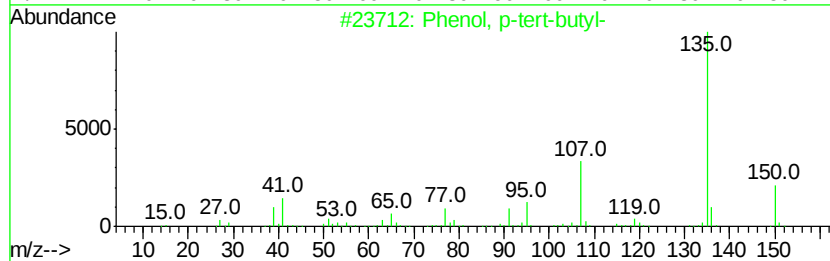
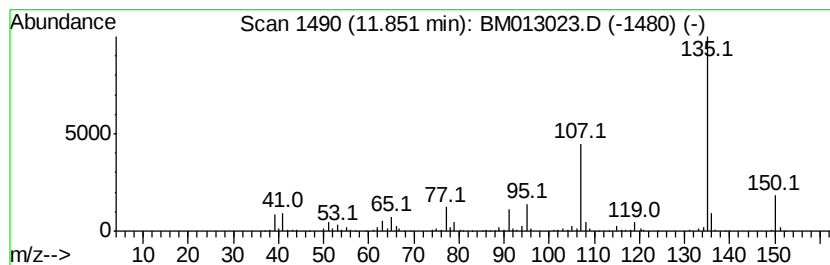
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Phenol, p-tert-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	12.02 ng/ul	802619	Napthalene-d8	10.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	93
2		Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	91
3		Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	87
4		Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	81
5		Hexestrol, O-trifluoroacetyl-	366	C20H21F3O3	1000365-31-7	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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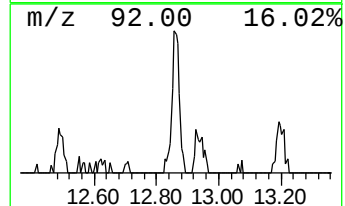
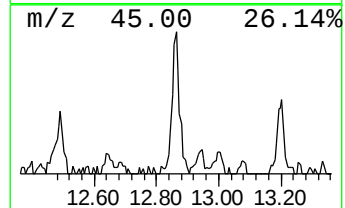
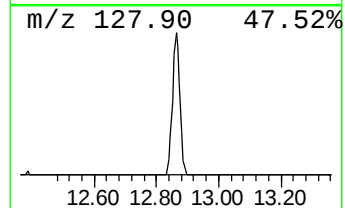
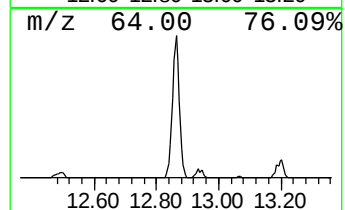
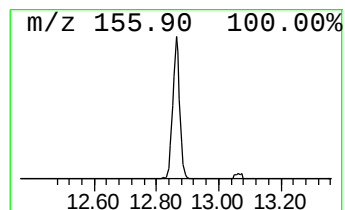
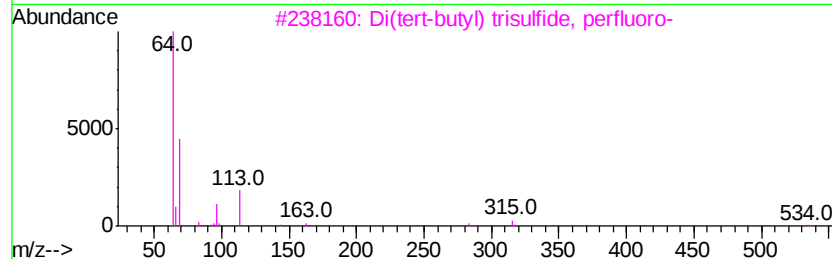
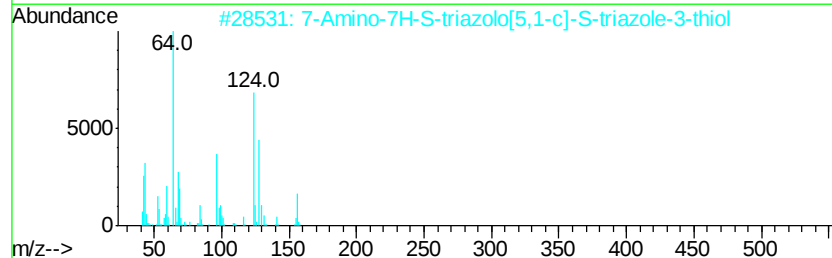
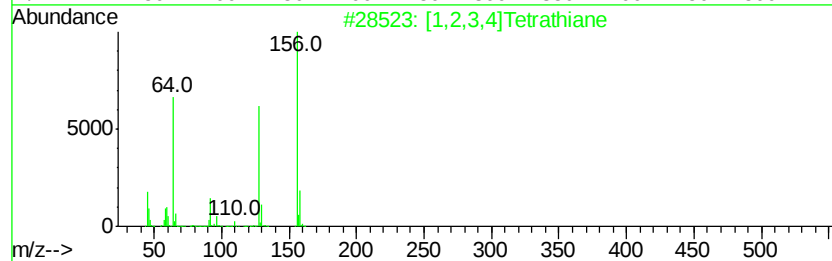
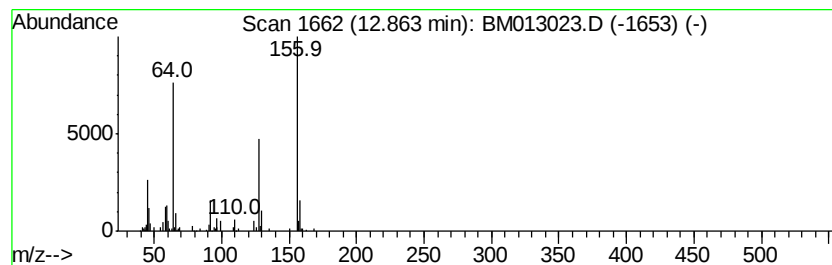
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 [1,2,3,4]Tetrathiane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	2.72 ng/ul	252066	Acenaphthene-d10	14.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,2,3,4]Tetrathiane	156	C2H4S4	000290-81-3	96
2		7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	36
3		Di(tert-butyl) trisulfide, perfl...	534	C8F18S3	016005-64-4	33
4		Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	9
5		2-Chloro-5-hydroxy-2,4,6-cyclohe...	156	C7H5ClO2	007009-16-7	9



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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Acq On : 18 Nov 2017 05:07
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Misc :
ALS Vial : 33 Sample Multiplier: 1

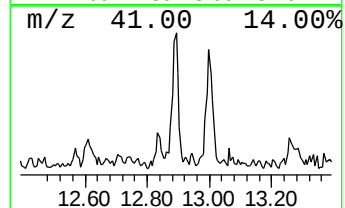
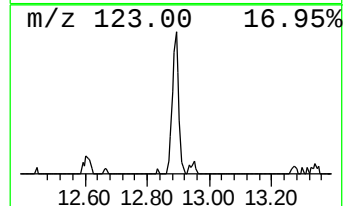
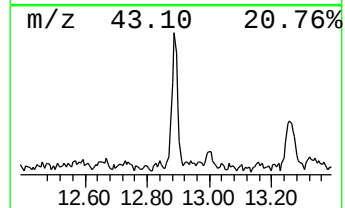
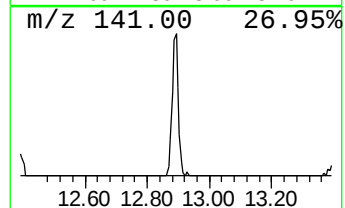
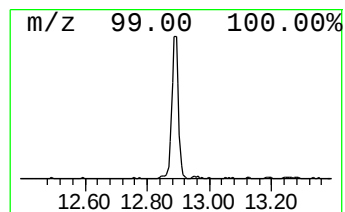
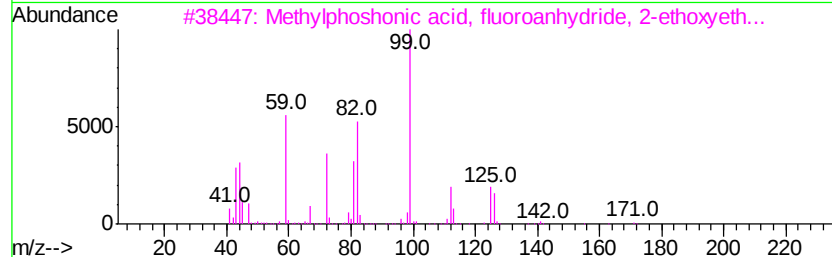
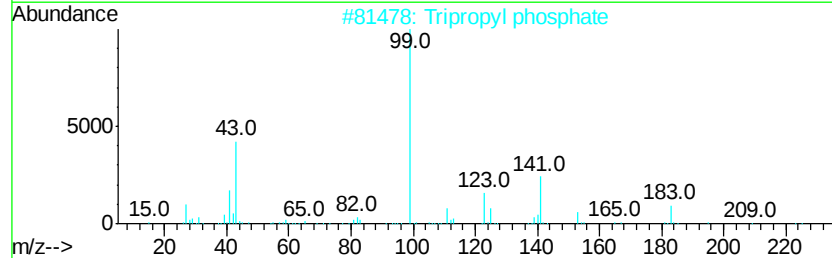
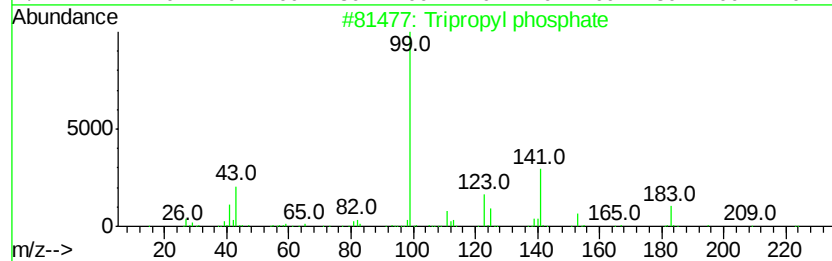
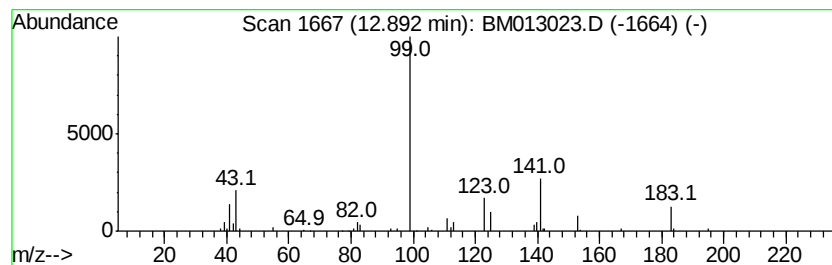
Instrument :
BNA_M
ClientSampleId :
BE2X1

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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Tripropyl phosphate Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	2.22 ng/ul	205391	Acenaphthene-d10	14.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tripropyl phosphate	224 C9H21O4P	000513-08-6 50
2		Tripropyl phosphate	224 C9H21O4P	000513-08-6 40
3		Methylphosphonic acid, fluoroanhv...	170 C5H12F03P	1000273-54-6 28
4		Phosphoric acid, dipropyl nonyl ...	308 C15H33O4P	1000309-01-0 9
5		2-tert-Butylcyclohexyl methylpho...	236 C11H22F02P	1000298-39-6 9



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE2X1

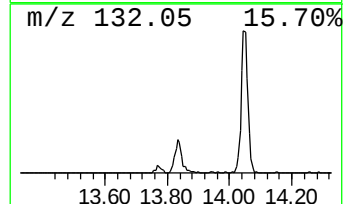
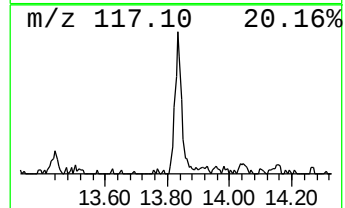
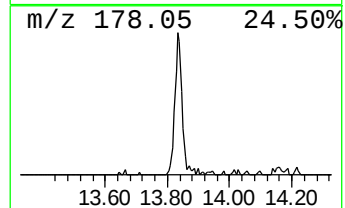
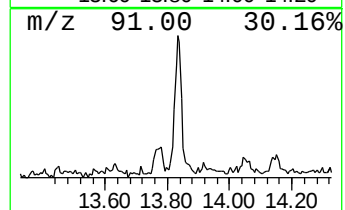
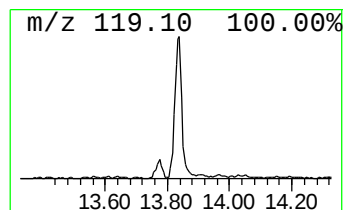
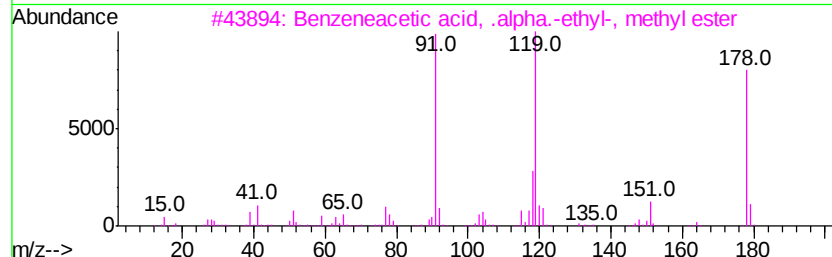
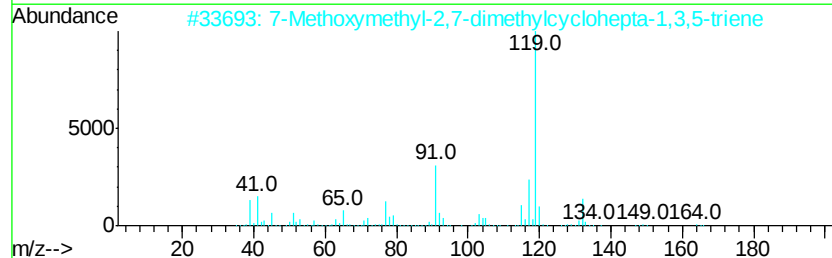
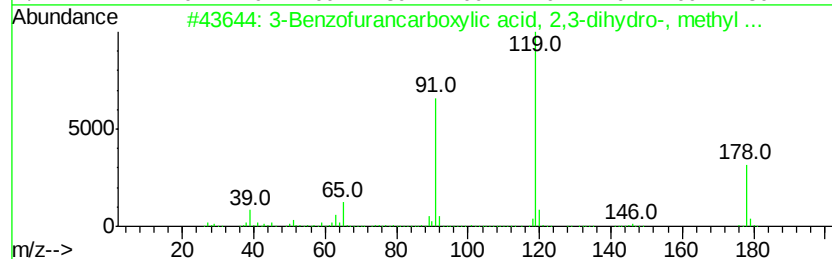
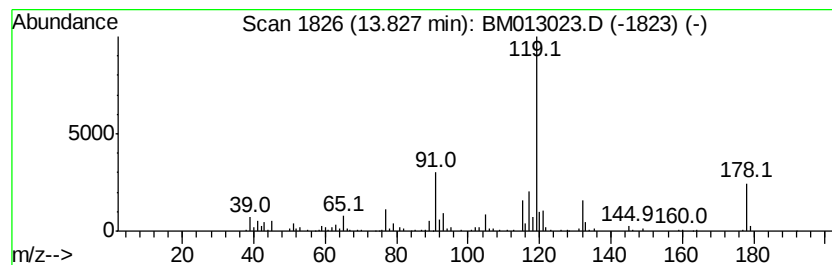
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 3-Benzofurancarboxylic acid... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	4.56 ng/ul	421658	Acenaphthene-d10	14.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Benzofurancarboxylic acid, 2,3...	178	C10H10O3	039891-56-0	70
2			7-Methoxymethyl-2,7-dimethylcyclo...	164	C11H16O	073992-48-0	68
3			Benzeneacetic acid, .alpha.-ethyl...	178	C11H14O2	002294-71-5	59
4			Benzaldehyde, 2-(3-methylbenzoyl...	375	C21H17N3O4	1000296-43-0	43
5			o-Toluic acid, 2-methylphenyl ester	226	C15H14O2	023597-23-1	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013023.D
Acq On : 18 Nov 2017 05:07
Operator : SJ/JU
Sample : I6451-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

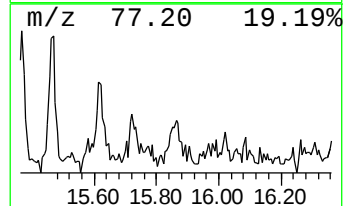
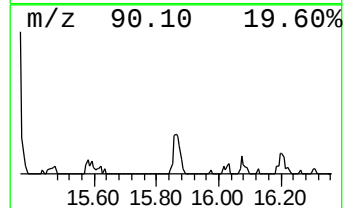
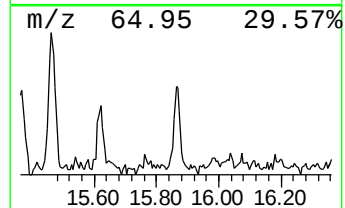
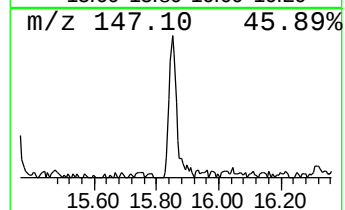
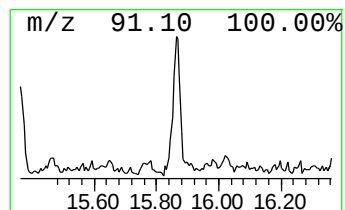
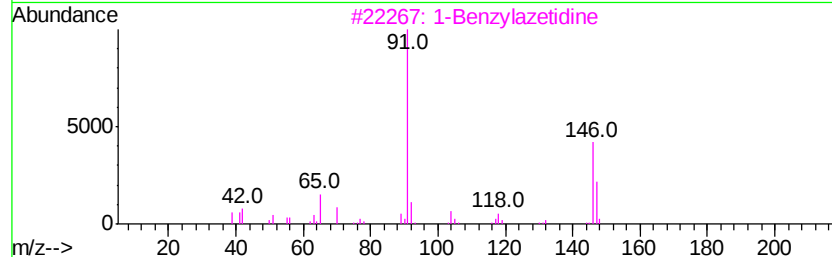
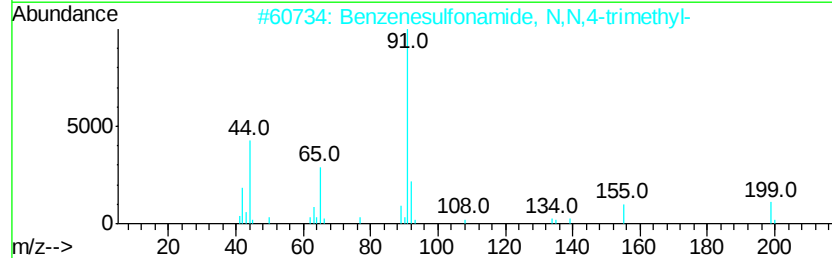
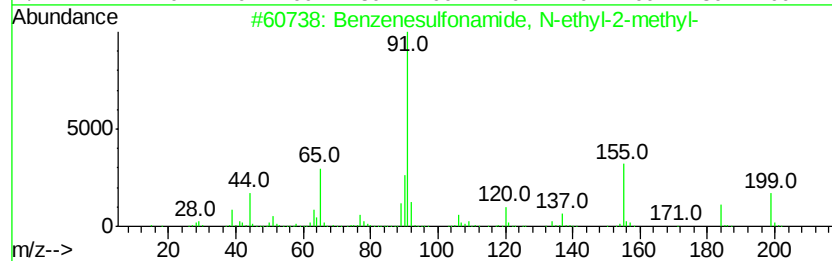
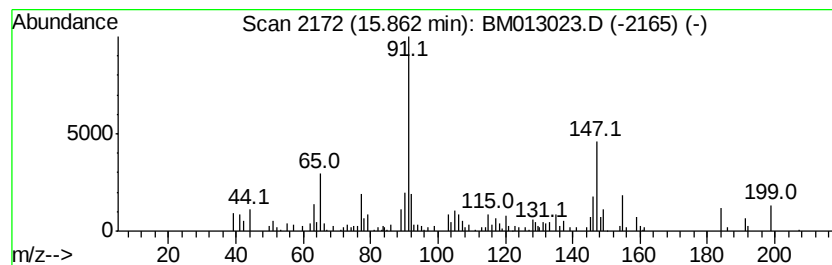
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 unknown-04 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD		R.T.		
15.86	2.11 ng/ul	233681	Phenanthrene-d10		17.10		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzenesulfonamide, N-ethyl-2-me...	199	C9H13NO2S	001077-56-1	46
2			Benzenesulfonamide, N,N,4-trimet...	199	C9H13NO2S	000599-69-9	46
3			1-Benzvlazetidine	147	C10H13N	007730-39-4	35
4			Bicyclo[3.2.0]hepta-2,6-diene, 5...	126	C7H7Cl	023610-81-3	18
5			Benzenesulfonamide, N-ethyl-2-me...	199	C9H13NO2S	001077-56-1	14



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111717\
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 Operator : SJ/JU
 Sample : I6451-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE2X1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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
Methyl Isobutyl K...	3.58	2.1	ng/ul	116829	1	7.72	1090740	20.0
Benzene, 1,3-dime...	5.39	114.2	ng/ul	6228080	1	7.72	1090740	20.0
Benzene, (1-methy...	6.22	6.6	ng/ul	358251	1	7.72	1090740	20.0
3,6-Dimethyl-4-oc...	6.40	3.3	ng/ul	180633	1	7.72	1090740	20.0
Benzyl chloride	6.71	4.0	ng/ul	219084	1	7.72	1090740	20.0
Benzene, 1-ethyl-...	6.82	4.9	ng/ul	267643	1	7.72	1090740	20.0
Benzene, 1,2,3-tr...	6.95	2.9	ng/ul	159919	1	7.72	1090740	20.0
3,6-Dimethyl-2,3,...	7.43	2.3	ng/ul	123275	1	7.72	1090740	20.0
unknown-01	7.92	3.5	ng/ul	193303	1	7.72	1090740	20.0
Indane	8.08	3.9	ng/ul	213743	1	7.72	1090740	20.0
Cyclohexanone, 3,...	8.15	10.8	ng/ul	588789	1	7.72	1090740	20.0
Benzene, 1,4-diet...	8.20	2.1	ng/ul	115260	1	7.72	1090740	20.0
Cyclohexanol, 3,3...	8.34	14.0	ng/ul	762950	1	7.72	1090740	20.0
p-Cymene	8.82	2.0	ng/ul	109522	1	7.72	1090740	20.0
Bicyclo[2.2.1]hep...	8.95	3.4	ng/ul	185129	1	7.72	1090740	20.0
unknown-02	9.03	2.9	ng/ul	157294	1	7.72	1090740	20.0
Bicyclo[2.2.1]hep...	9.92	4.8	ng/ul	317434	2	10.50	1335380	20.0
Bicyclo[4.1.0]hep...	10.91	2.1	ng/ul	140398	2	10.50	1335380	20.0
unknown-03	11.19	2.4	ng/ul	162875	2	10.50	1335380	20.0
Phenol, 2,3,6-tri...	11.58	6.2	ng/ul	413979	2	10.50	1335380	20.0
Phenol, p-tert-bu...	11.85	12.0	ng/ul	802619	2	10.50	1335380	20.0
[1,2,3,4]Tetrathiane	12.86	2.7	ng/ul	252066	3	14.36	1851130	20.0
Tripropyl phosphate	12.89	2.2	ng/ul	205391	3	14.36	1851130	20.0
3-Benzofurancarbo...	13.83	4.6	ng/ul	421658	3	14.36	1851130	20.0
unknown-04	15.86	2.1	ng/ul	233681	4	17.10	2216830	20.0