

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
 Data File : BM003668.D
 Acq On : 20 Dec 2015 23:27
 Operator : UM/SJ
 Sample : G4867-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9DB1

Integration Parameters: LSCINT.P

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

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

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.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	5.216	355	362	370	rBV	333479	512081	3.24%	1.015%
2	5.369	380	388	396	rBB	161139	249788	1.58%	0.495%
3	5.710	442	446	452	rBB	28321	42671	0.27%	0.085%
4	6.187	521	527	535	rBB	261881	401541	2.54%	0.796%
5	6.675	605	610	617	rBB	62536	92853	0.59%	0.184%
6	6.846	633	639	653	rBB2	90300	183896	1.16%	0.364%
7	7.034	665	671	676	rBV	105725	161110	1.02%	0.319%
8	7.087	676	680	686	rVB	124809	181717	1.15%	0.360%
9	7.234	699	705	711	rBB	113574	178208	1.13%	0.353%
10	7.346	719	724	731	rBB2	16321	26169	0.17%	0.052%
11	7.698	778	784	790	rBB	96410	151296	0.96%	0.300%
12	7.810	794	803	811	rBB	342632	566873	3.59%	1.123%
13	8.098	839	852	857	rBV	4986600	13210054	83.56%	26.173%
14	8.187	862	867	871	rVV	38467	55511	0.35%	0.110%
15	8.234	871	875	881	rVB	50015	74181	0.47%	0.147%
16	8.410	898	905	912	rBB	98565	155227	0.98%	0.308%
17	8.798	965	971	976	rBV	88030	127156	0.80%	0.252%
18	8.875	976	984	991	rVB2	218261	515296	3.26%	1.021%
19	9.051	1008	1014	1020	rBB	103980	164774	1.04%	0.326%
20	9.163	1023	1033	1040	rBV2	117825	267245	1.69%	0.530%
21	9.234	1040	1045	1051	rVB	67967	104297	0.66%	0.207%
22	9.322	1054	1060	1065	rBB	21894	32060	0.20%	0.064%
23	9.575	1097	1103	1110	rBB	118157	190523	1.21%	0.377%
24	9.739	1124	1131	1138	rVB	593960	943064	5.97%	1.869%
25	9.887	1148	1156	1167	rBV	1129903	2063650	13.05%	4.089%
26	10.004	1167	1176	1186	rVB	205416	563415	3.56%	1.116%
27	10.122	1189	1196	1203	rBB	313128	530650	3.36%	1.051%
28	10.581	1248	1274	1279	rBV	5009992	15809472	100.00%	31.324%
29	10.669	1279	1289	1296	rVV	29655	52409	0.33%	0.104%
30	11.092	1353	1361	1367	rBV	105024	183463	1.16%	0.364%
31	11.145	1367	1370	1376	rVB2	12370	18446	0.12%	0.037%
32	11.328	1394	1401	1408	rBB5	16898	33857	0.21%	0.067%
33	11.598	1440	1447	1456	rVV2	39398	79941	0.51%	0.158%
34	11.681	1456	1461	1468	rVB2	14281	24357	0.15%	0.048%

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35	11.875	1488	1494	1503	rBV	221625	365319	2.31%	0.724%
36	12.051	1518	1524	1529	rBV	48112	80434	0.51%	0.159%
37	12.157	1536	1542	1548	rVB	184242	299021	1.89%	0.592%
38	12.222	1548	1553	1556	rBV2	12119	21041	0.13%	0.042%
39	12.269	1556	1561	1568	rVB4	31886	69562	0.44%	0.138%
40	12.380	1568	1580	1586	rBV	492807	885623	5.60%	1.755%
41	12.451	1586	1592	1595	rBV3	11126	21698	0.14%	0.043%
42	12.551	1602	1609	1615	rBV	175288	290944	1.84%	0.576%
43	12.680	1627	1631	1635	rVB2	12203	17543	0.11%	0.035%
44	12.757	1637	1644	1648	rBV	46574	72642	0.46%	0.144%
45	12.804	1648	1652	1657	rVV2	16842	39716	0.25%	0.079%
46	12.857	1657	1661	1667	rVB3	20829	36977	0.23%	0.073%
47	13.027	1682	1690	1692	rBV3	9165	15912	0.10%	0.032%
48	13.145	1704	1710	1713	rBV3	17531	32065	0.20%	0.064%
49	13.310	1730	1738	1743	rBV3	9537	20577	0.13%	0.041%
50	13.392	1743	1752	1759	rVB10	13899	39494	0.25%	0.078%
51	13.480	1759	1767	1771	rBV2	36790	71281	0.45%	0.141%
52	13.539	1771	1777	1780	rVV5	20300	49486	0.31%	0.098%
53	13.580	1780	1784	1788	rVV3	40906	69193	0.44%	0.137%
54	13.622	1788	1791	1795	rVV2	24329	37420	0.24%	0.074%
55	13.692	1795	1803	1808	rVV5	27583	81133	0.51%	0.161%
56	13.763	1808	1815	1821	rVB	361826	541769	3.43%	1.073%
57	13.851	1821	1830	1836	rBV3	53271	120249	0.76%	0.238%
58	13.945	1843	1846	1856	rVV5	15631	38664	0.24%	0.077%
59	14.039	1856	1862	1866	rVV	444920	782559	4.95%	1.551%
60	14.074	1866	1868	1877	rVV	241041	296089	1.87%	0.587%
61	14.163	1877	1883	1897	rVB	136738	236917	1.50%	0.469%
62	14.298	1901	1906	1909	rBV2	17561	30962	0.20%	0.061%
63	14.351	1909	1915	1921	rVV2	242628	383992	2.43%	0.761%
64	14.410	1921	1925	1931	rVB	115816	171163	1.08%	0.339%
65	14.469	1931	1935	1940	rBV2	51329	77634	0.49%	0.154%
66	14.563	1943	1951	1957	rVB3	49246	118400	0.75%	0.235%
67	14.692	1968	1973	1979	rBV	89004	137241	0.87%	0.272%
68	14.839	1993	1998	2005	rBV2	90306	140224	0.89%	0.278%
69	14.957	2013	2018	2019	rBV3	18803	26384	0.17%	0.052%
70	15.186	2053	2057	2060	rVV	24544	37347	0.24%	0.074%
71	15.221	2060	2063	2069	rVV2	21265	32180	0.20%	0.064%

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72	15.345	2078	2084	2089	rVV	543883	773790	4.89%	1.533%
73	15.398	2089	2093	2099	rVB4	24499	42809	0.27%	0.085%
74	15.469	2100	2105	2113	rVB	183655	259336	1.64%	0.514%
75	15.545	2113	2118	2124	rBV6	11820	30651	0.19%	0.061%
76	15.786	2154	2159	2163	rBV6	10640	22237	0.14%	0.044%
77	15.880	2170	2175	2177	rBV4	13446	22132	0.14%	0.044%
78	15.921	2177	2182	2194	rVV	175337	285927	1.81%	0.567%
79	16.145	2216	2220	2224	rBV	16333	22351	0.14%	0.044%
80	16.280	2239	2243	2248	rBV3	21372	33752	0.21%	0.067%
81	16.880	2340	2345	2349	rBV6	9905	18044	0.11%	0.036%
82	16.933	2349	2354	2361	rVV	57150	124783	0.79%	0.247%
83	16.998	2362	2365	2373	rVV	38766	71549	0.45%	0.142%
84	17.098	2376	2382	2393	rVV	344828	549672	3.48%	1.089%
85	17.198	2393	2399	2411	rVV	626294	906677	5.74%	1.796%
86	17.298	2413	2416	2423	rVB5	12197	17729	0.11%	0.035%
87	17.745	2488	2492	2498	rBV	22194	40585	0.26%	0.080%
88	17.892	2512	2517	2523	rBV	78565	109954	0.70%	0.218%
89	17.998	2532	2535	2544	rVB7	13022	22208	0.14%	0.044%
90	18.527	2621	2625	2631	rVB6	8028	18141	0.11%	0.036%
91	18.909	2686	2690	2695	rVB	20177	29560	0.19%	0.059%
92	19.498	2784	2790	2795	rBV	769863	1082294	6.85%	2.144%
93	19.927	2859	2863	2868	rBV	24532	30513	0.19%	0.060%
94	20.768	3002	3006	3013	rBV	43316	53009	0.34%	0.105%
95	21.298	3090	3096	3101	rBV	487869	632706	4.00%	1.254%
96	23.403	3445	3454	3462	rBV	545542	1019280	6.45%	2.020%
97	23.544	3470	3478	3487	rBV	268407	515325	3.26%	1.021%

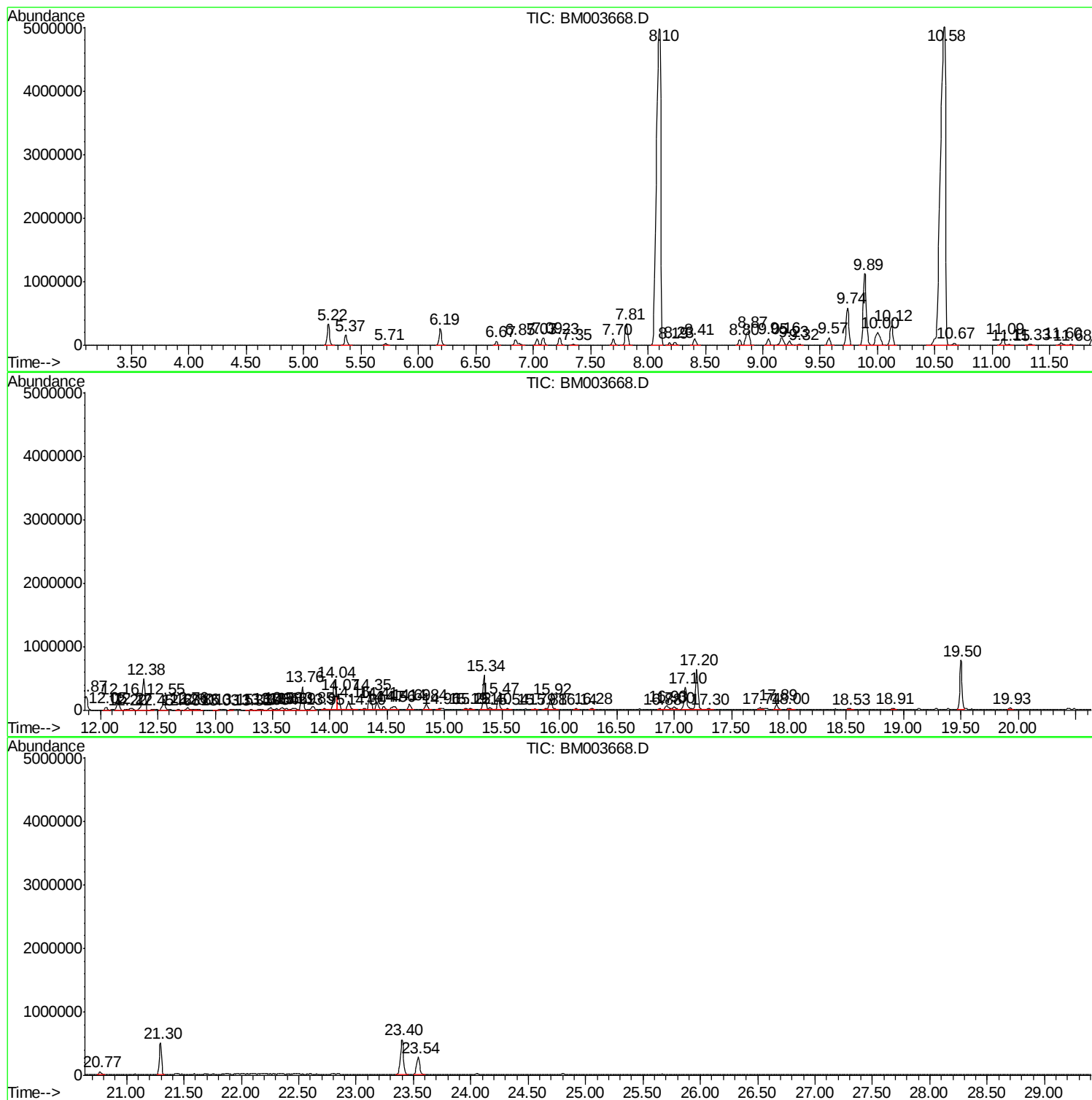
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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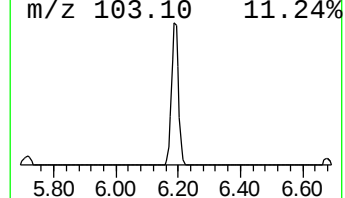
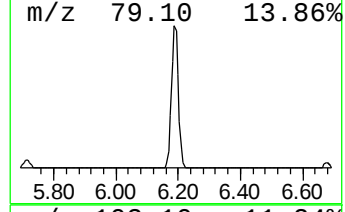
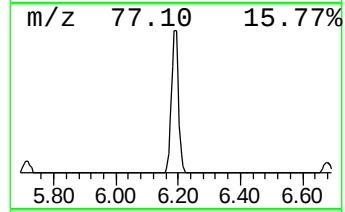
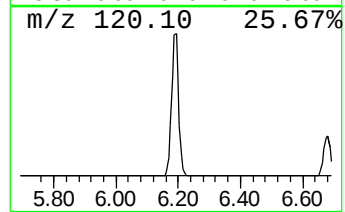
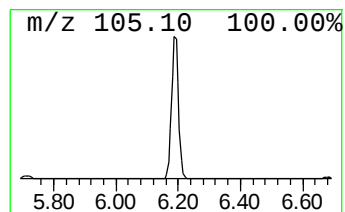
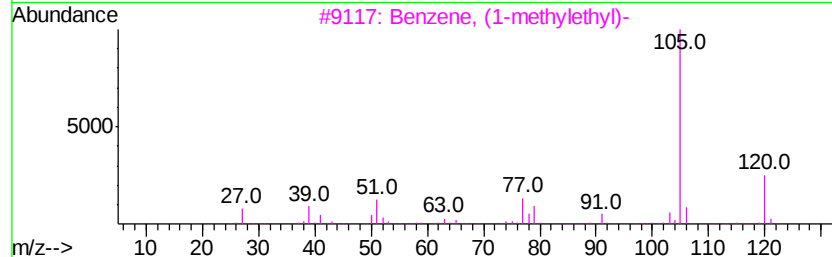
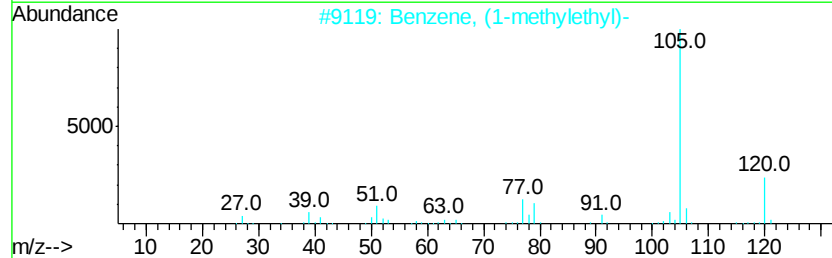
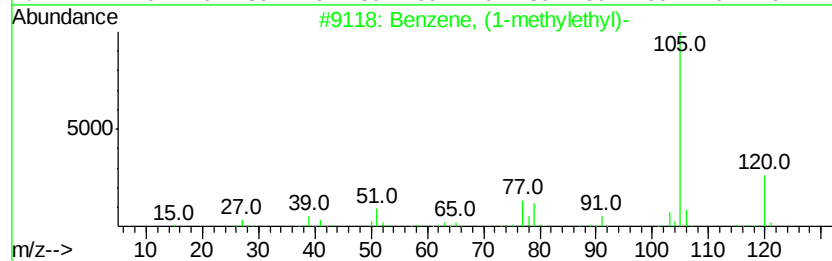
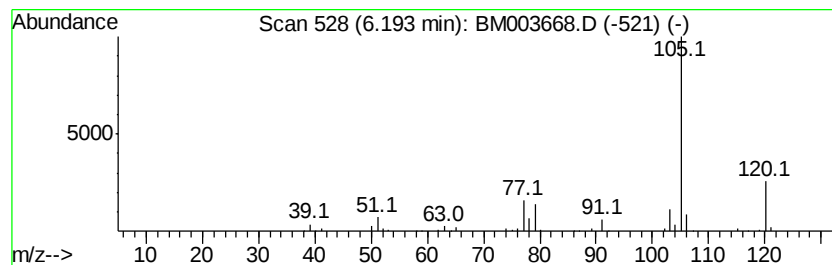
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzene, (1-methylethyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	53.08 ng/ul	401541	1,4-Dichlorobenzene-d4	7.70

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	91
3		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87



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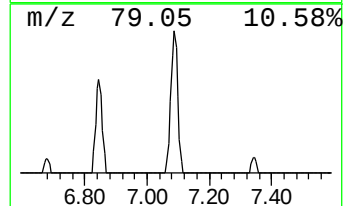
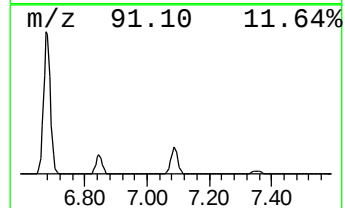
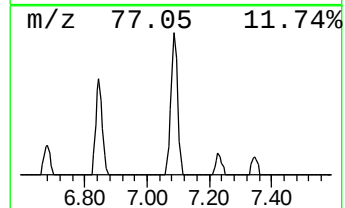
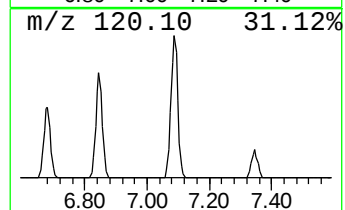
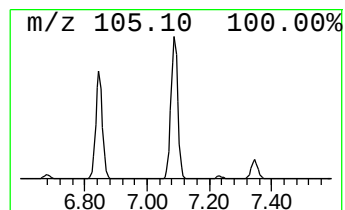
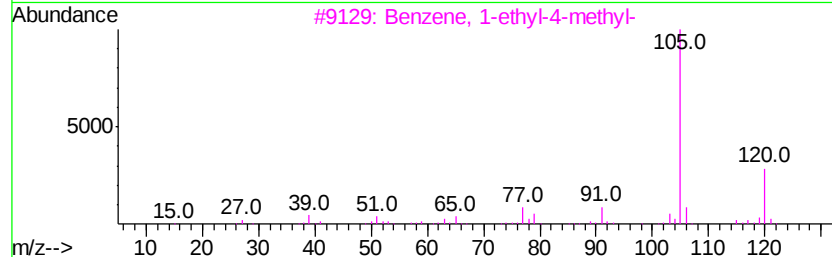
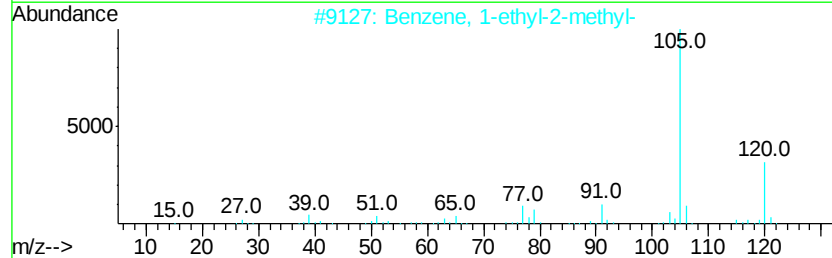
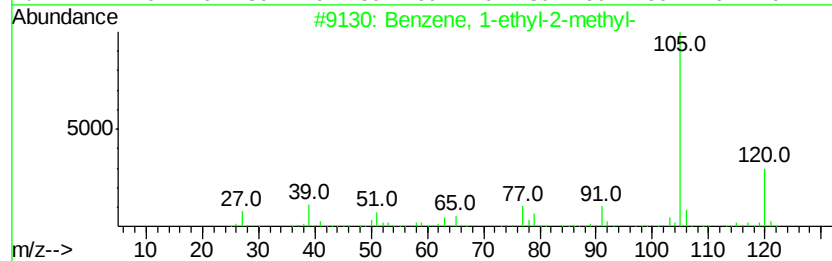
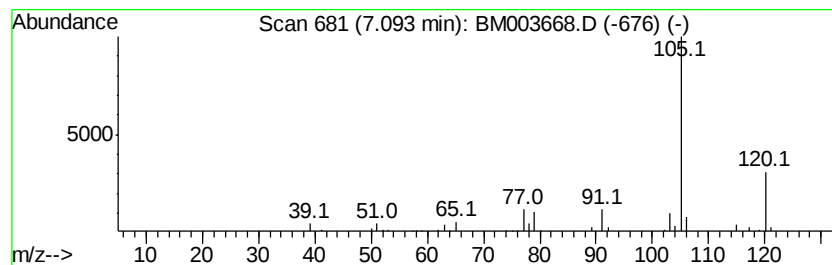
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	24.02 ng/ul	181717	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



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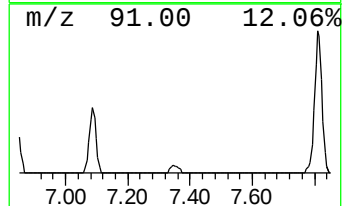
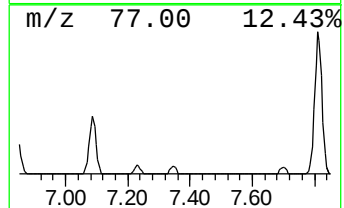
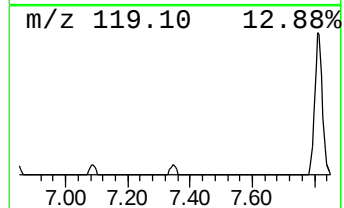
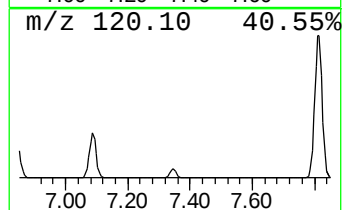
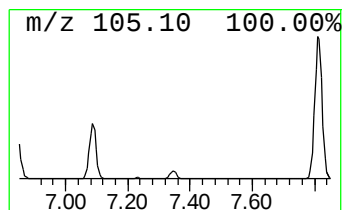
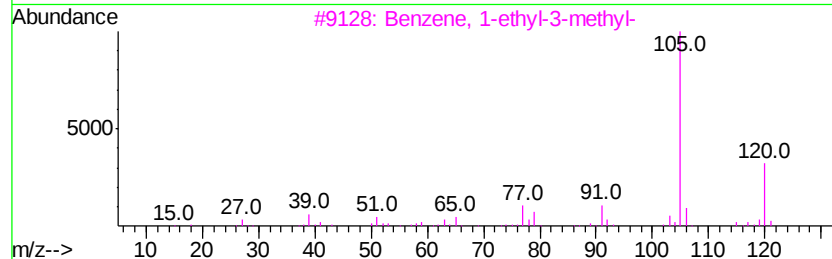
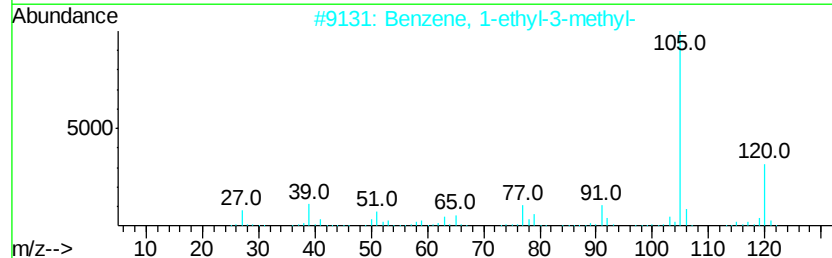
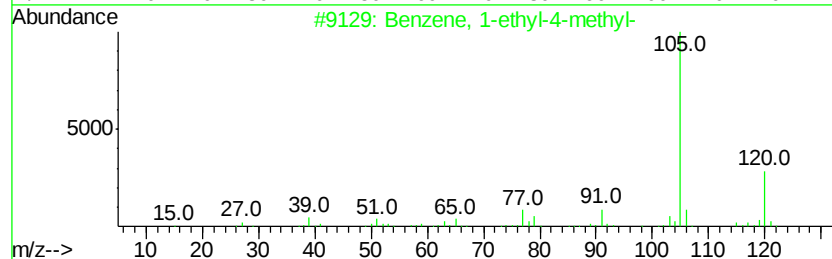
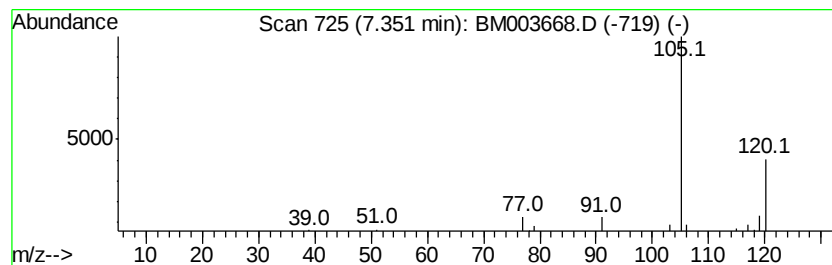
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Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	3.46 ng/ul	26169	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	86
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	86



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Sample : G4867-16
Misc :
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Instrument :
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ClientSampleId :
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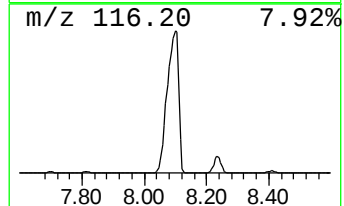
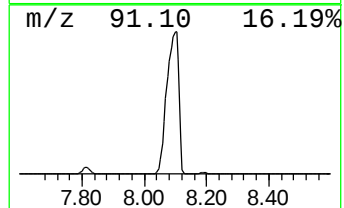
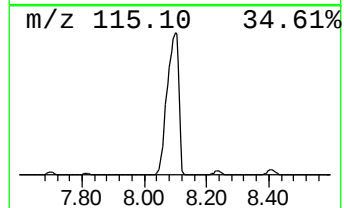
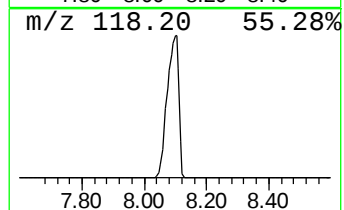
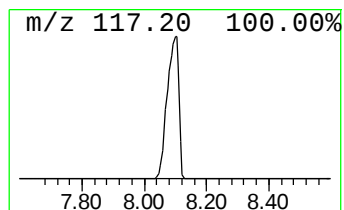
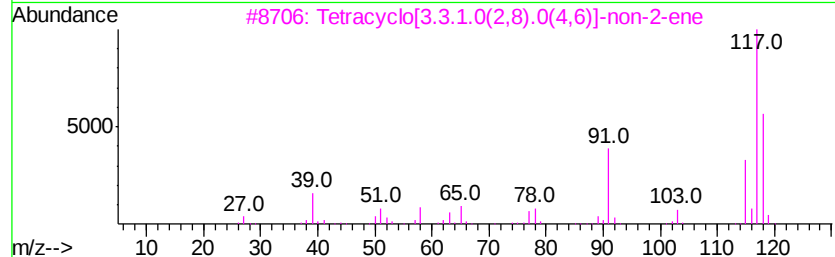
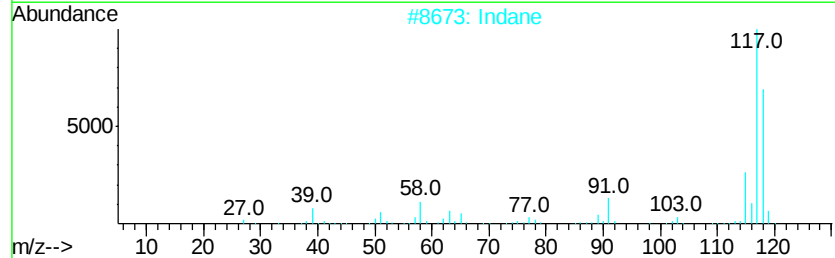
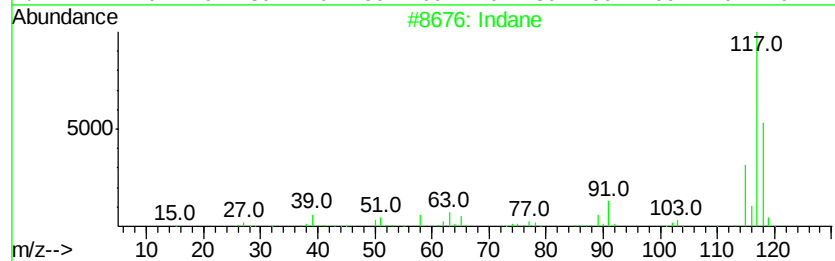
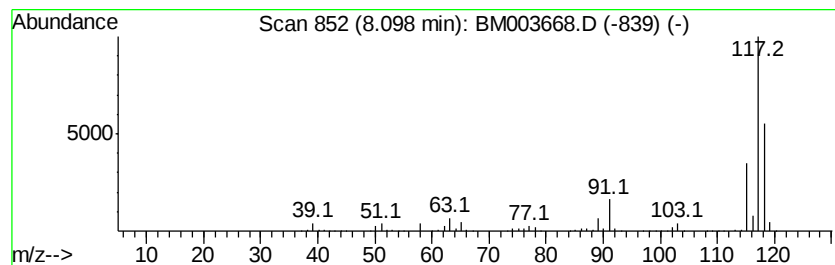
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	1746.25 ng/ul	13210100	1,4-Dichlorobenzene-d4	7.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	94
2	Indane		118	C9H10	000496-11-7	87
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	...	118	C9H10	1000191-13-7	80
4	Benzene, cyclopropyl-		118	C9H10	000873-49-4	74
5	Deltacyclene		118	C9H10	007785-10-6	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
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Sample : G4867-16
Misc :
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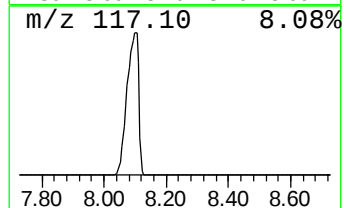
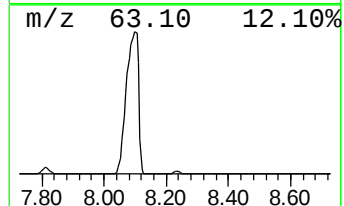
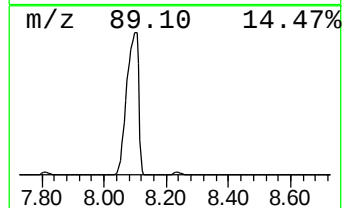
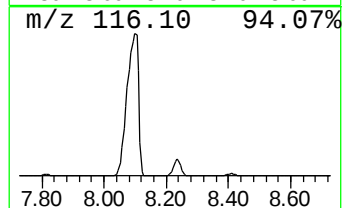
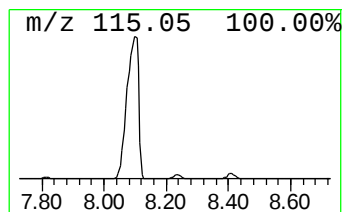
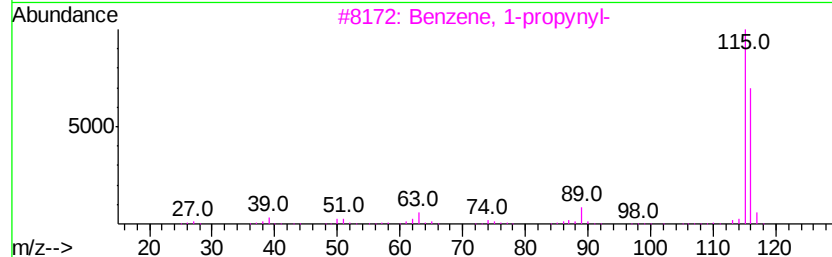
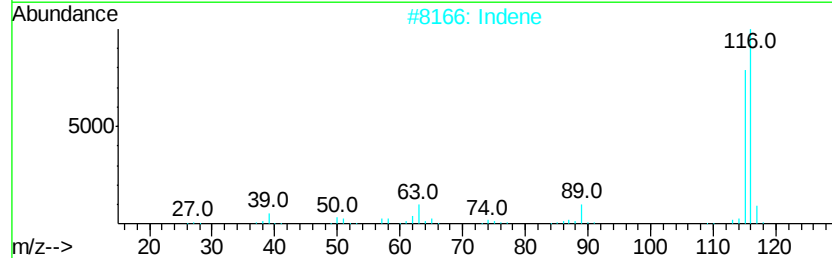
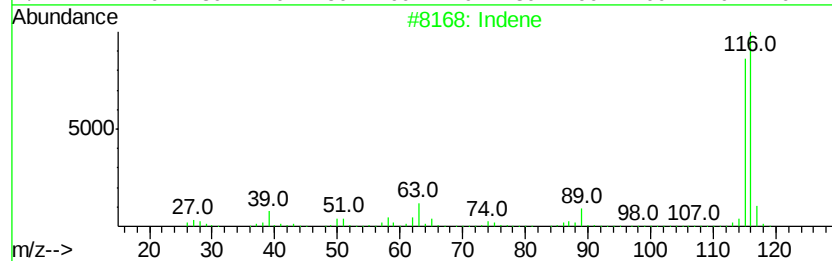
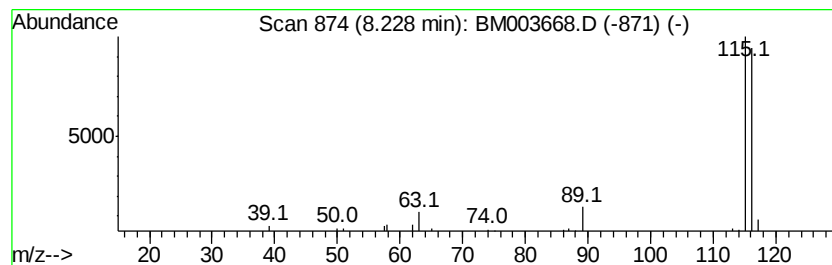
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Indene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	9.81 ng/ul	74181	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	95
2		Indene	116	C9H8	000095-13-6	94
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4		Indene	116	C9H8	000095-13-6	91
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
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ClientSampleId :
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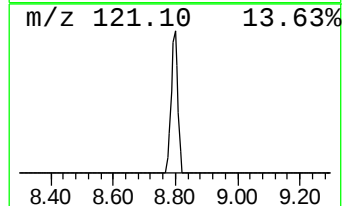
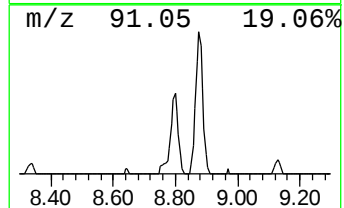
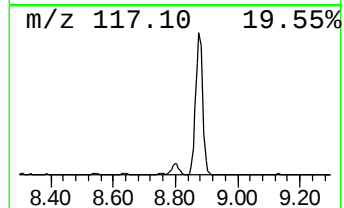
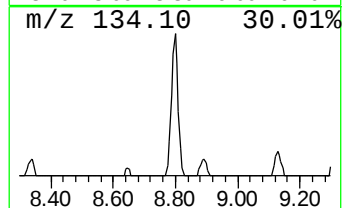
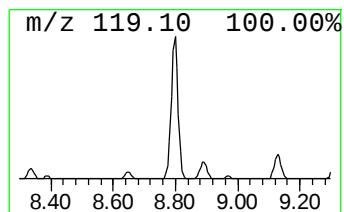
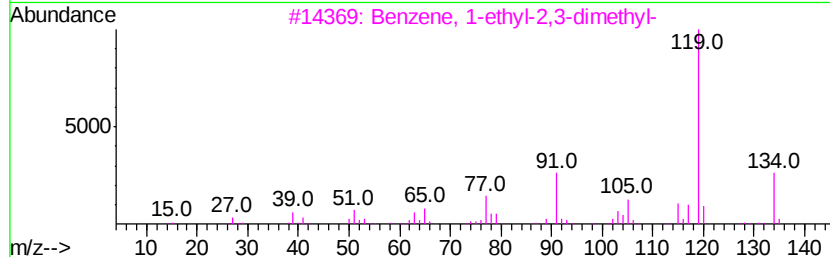
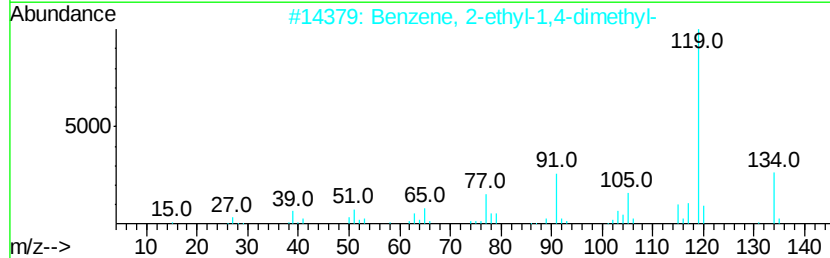
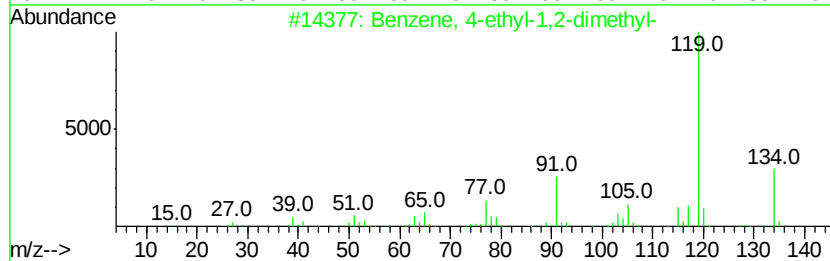
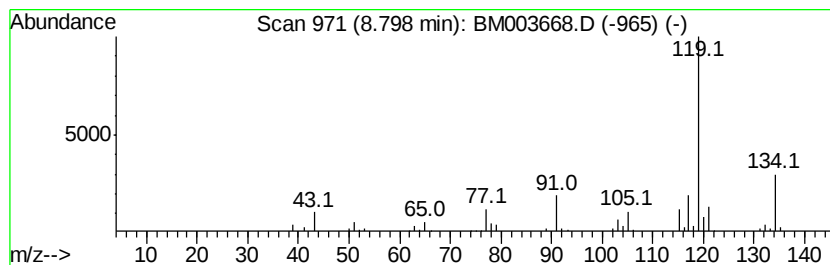
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	16.81 ng/ul	127156	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	87
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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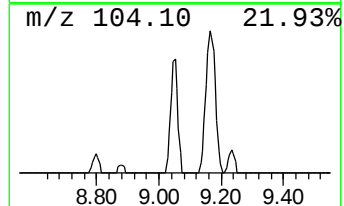
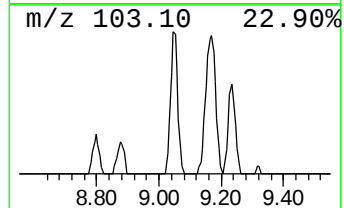
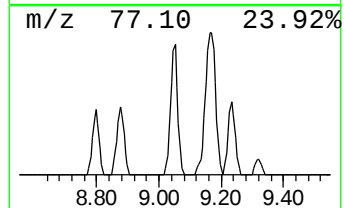
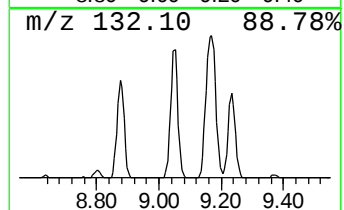
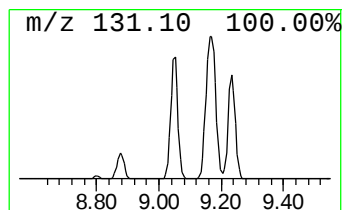
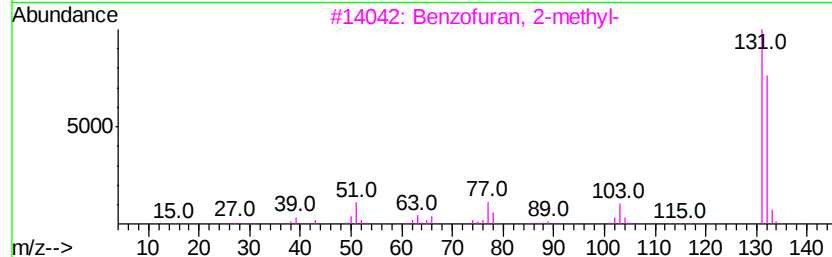
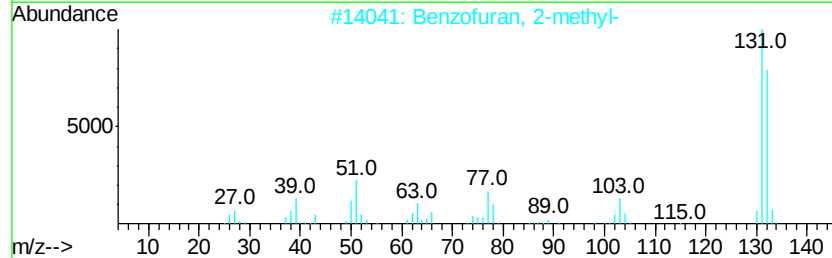
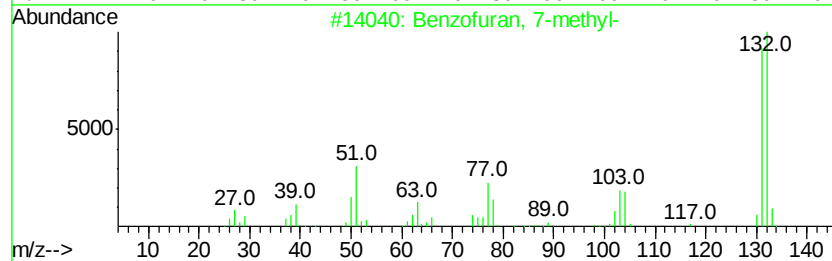
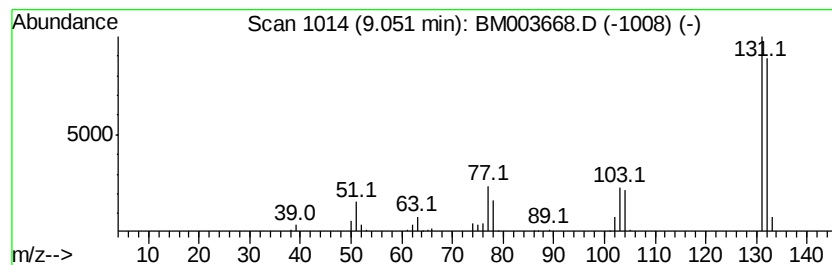
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Benzofuran, 7-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	21.78 ng/ul	164774	1,4-Dichlorobenzene-d4	7.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
2		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
3		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
4		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5		Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
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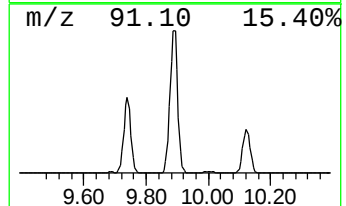
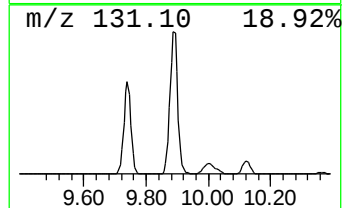
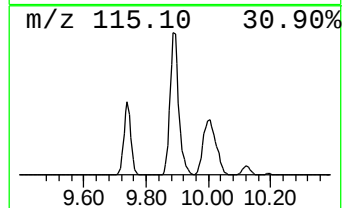
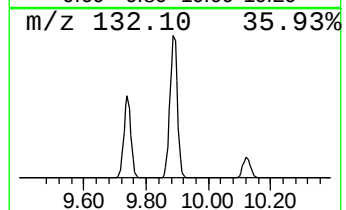
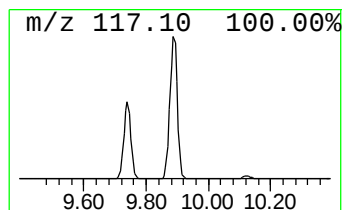
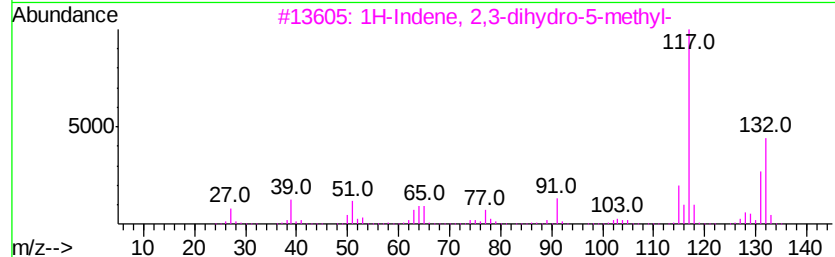
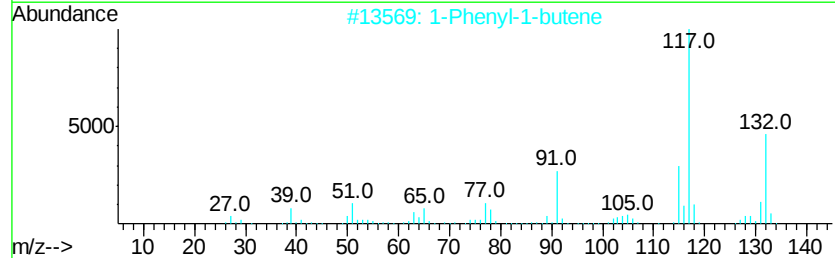
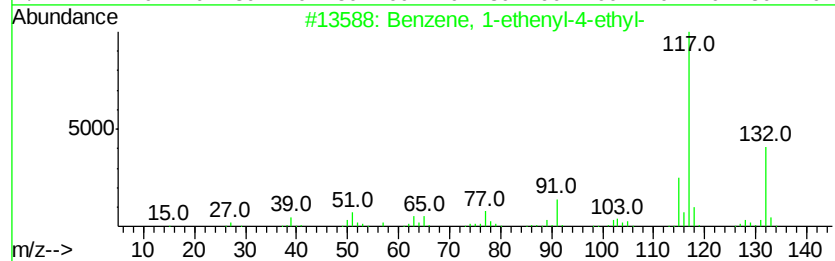
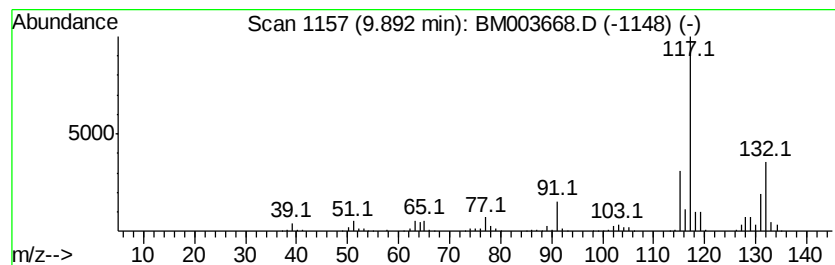
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	2.61 ng/ul	2063650	Naphthalene-d8	10.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2		1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
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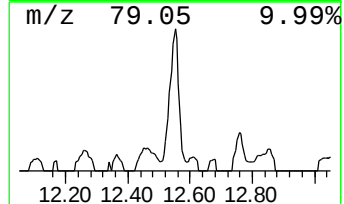
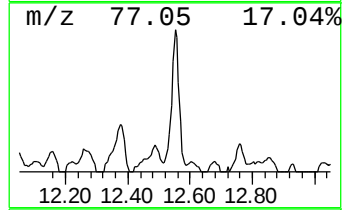
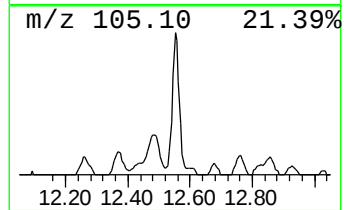
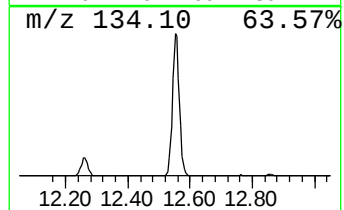
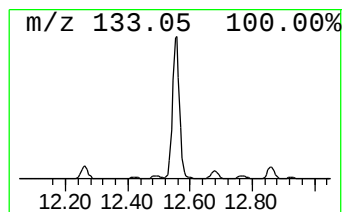
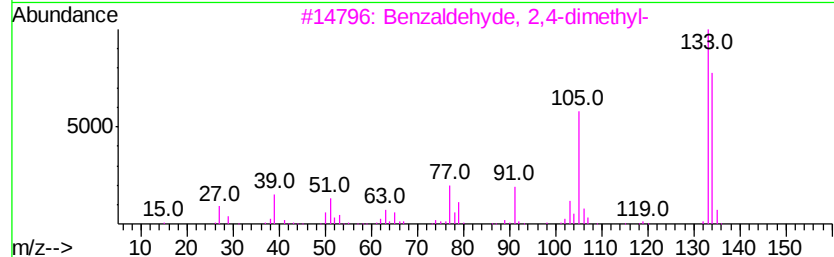
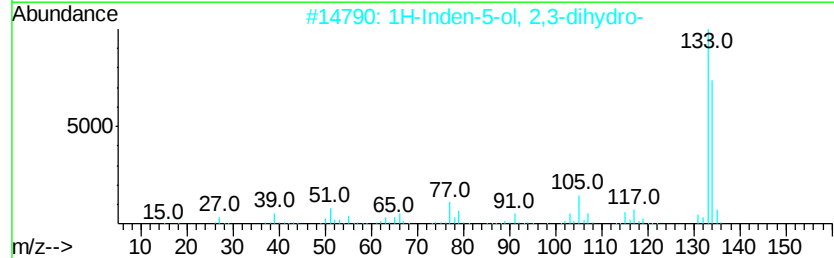
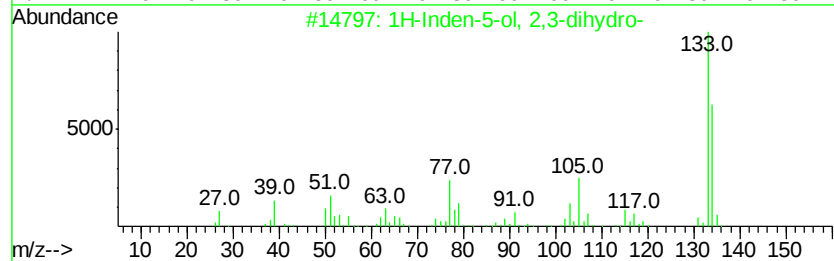
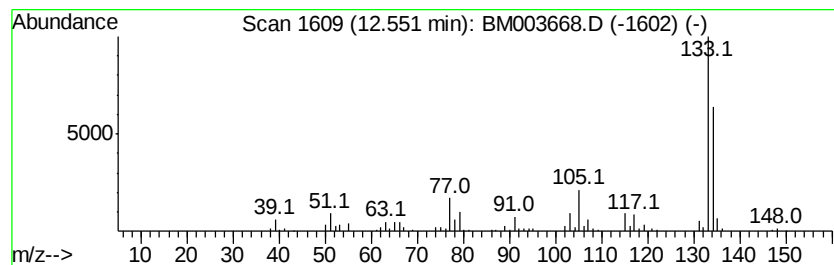
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	15.15 ng/ul	290944	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	93
2		1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	90
3		Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	64
4		1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	64
5		Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
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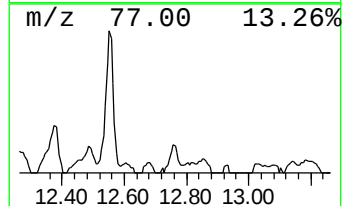
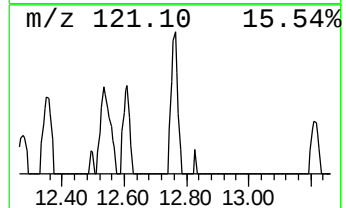
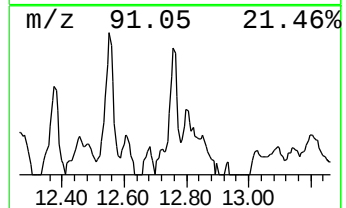
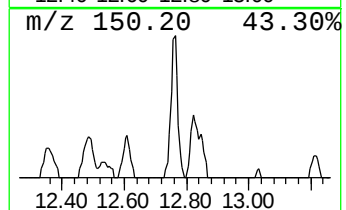
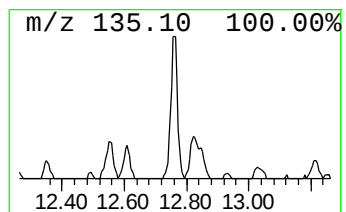
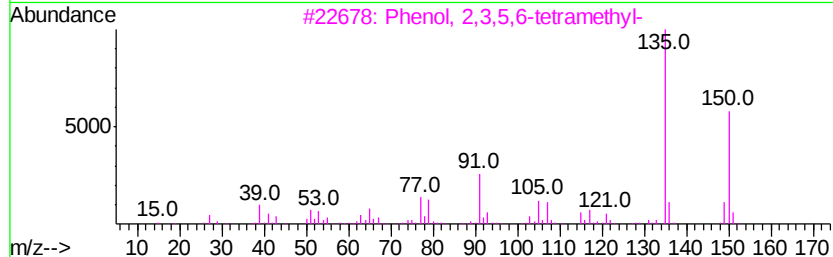
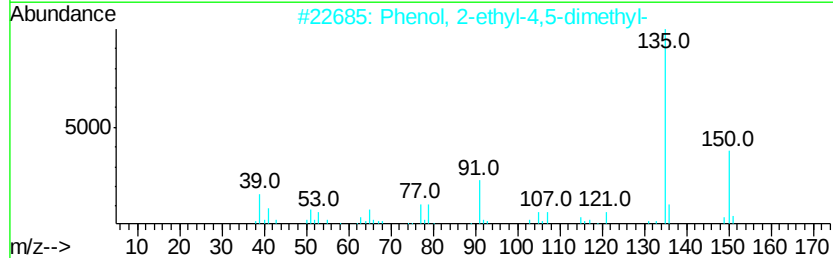
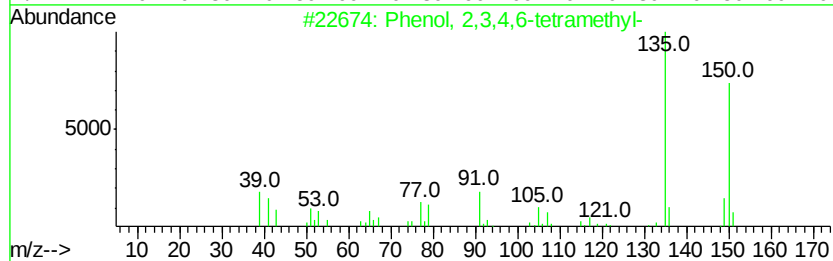
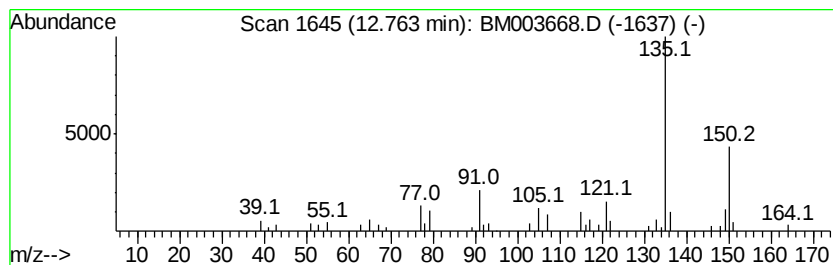
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Phenol, 2,3,4,6-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	3.78 ng/ul	72642	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2,3,4,6-tetramethyl-	150	C10H14O	003238-38-8	91
2		Phenol, 2-ethyl-4,5-dimethyl-	150	C10H14O	002219-78-5	87
3		Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	87
4		3,4-Diethylphenol	150	C10H14O	000875-85-4	87
5		3-Methyl-4-isopropylphenol	150	C10H14O	003228-02-2	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
Operator : UM/SJ
Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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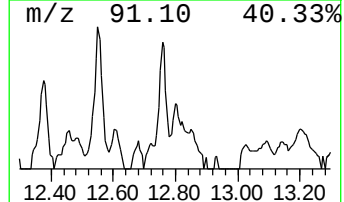
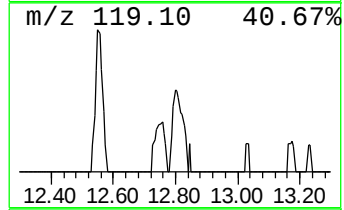
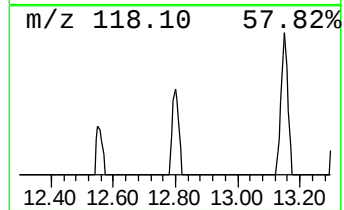
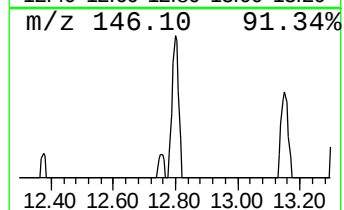
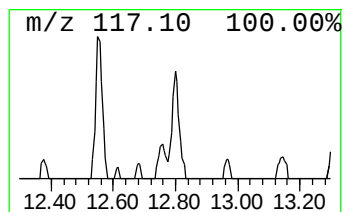
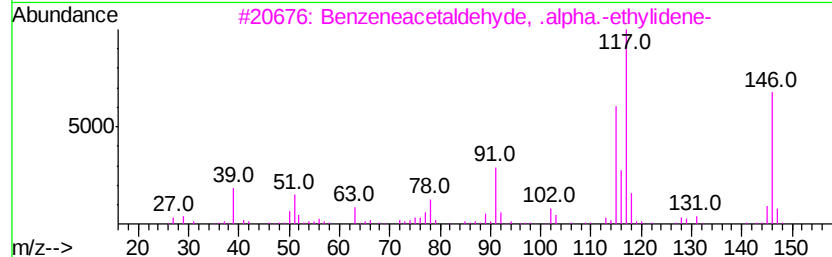
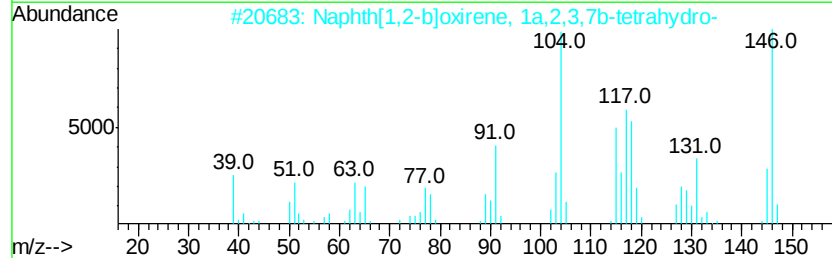
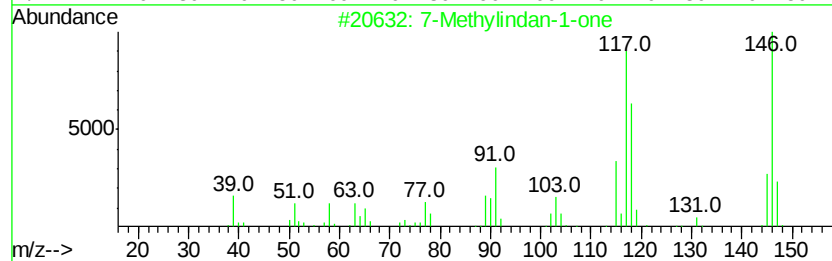
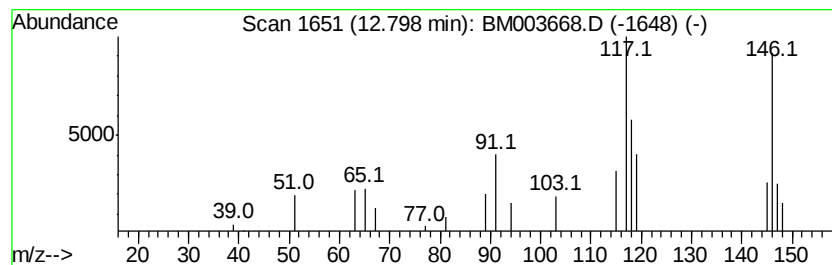
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 7-Methylindan-1-one Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	2.07 ng/ul	39716	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Methylindan-1-one	146	C10H10O	039627-61-7	64
2		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	47
3		Benzeneacetaldehyde, .alpha.-eth...	146	C10H10O	004411-89-6	43
4		Benz[c]pyran-1,3-dione, 4,4-dime...	190	C11H10O3	031952-55-3	40
5		Benz[c]pyran-1,3-dione, 4,4-dime...	190	C11H10O3	031952-55-3	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
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Misc :
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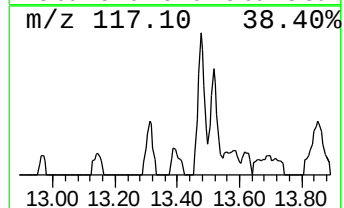
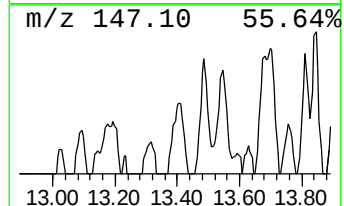
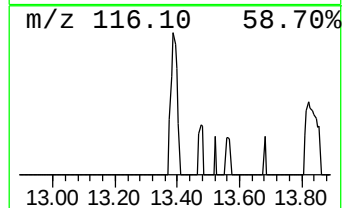
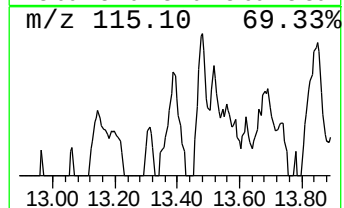
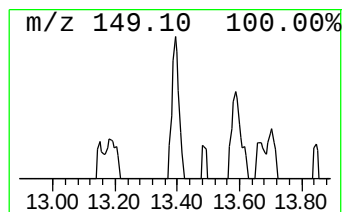
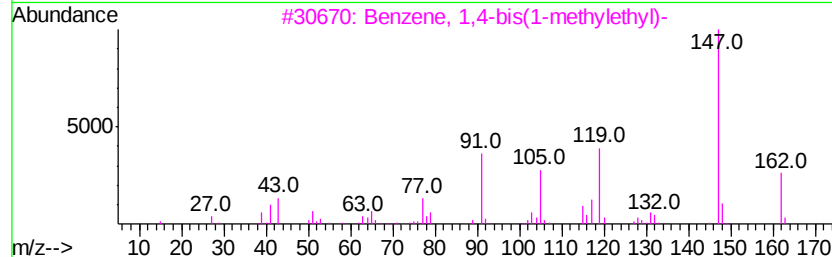
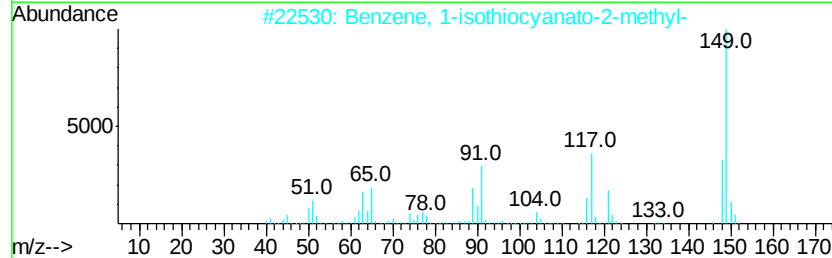
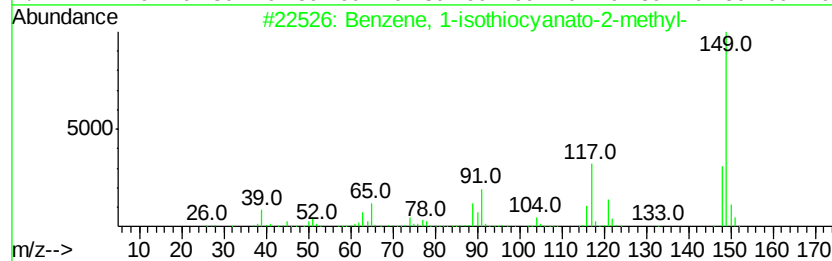
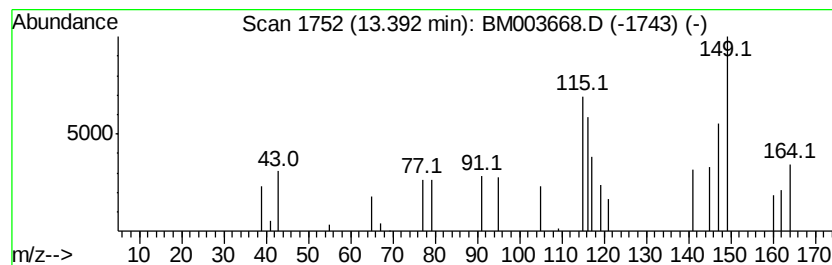
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.06 ng/ul	39494	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-isothiocyanato-2-methyl-	149	C8H7NS	000614-69-7	12
2		Benzene, 1-isothiocyanato-2-methyl-	149	C8H7NS	000614-69-7	12
3		Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	10
4		Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	10
5		1-(4-Hydroxybenzylidene)acetone	162	C10H10O2	003160-35-8	10



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
Operator : UM/SJ
Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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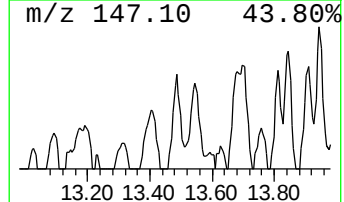
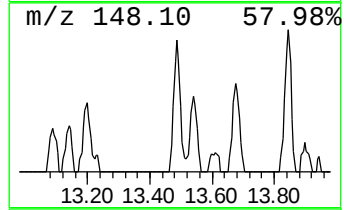
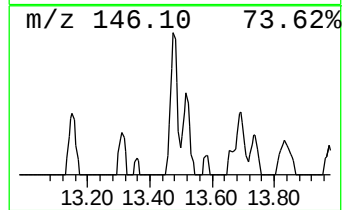
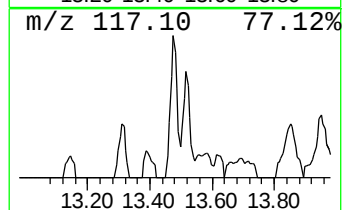
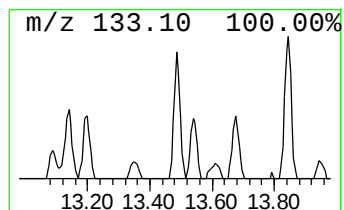
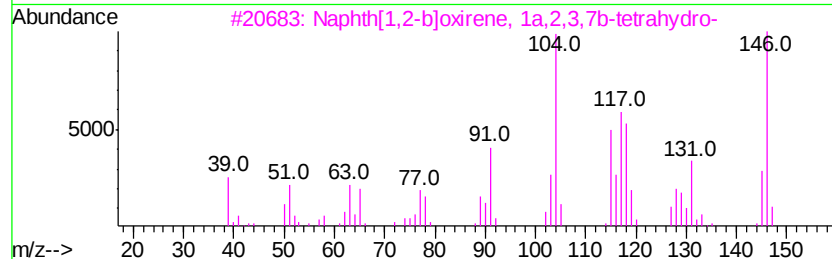
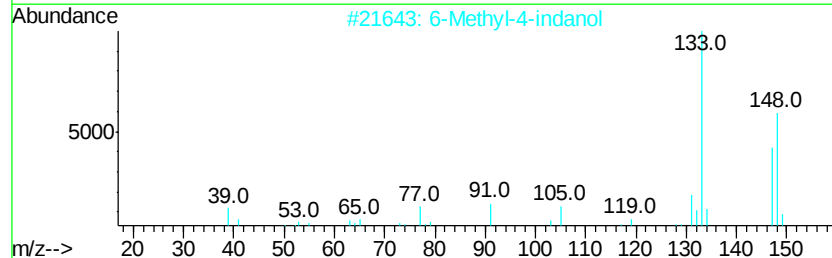
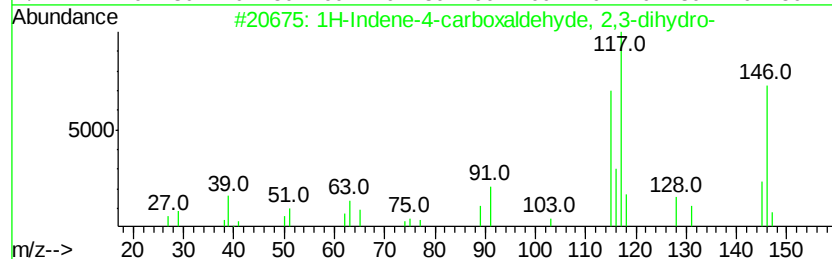
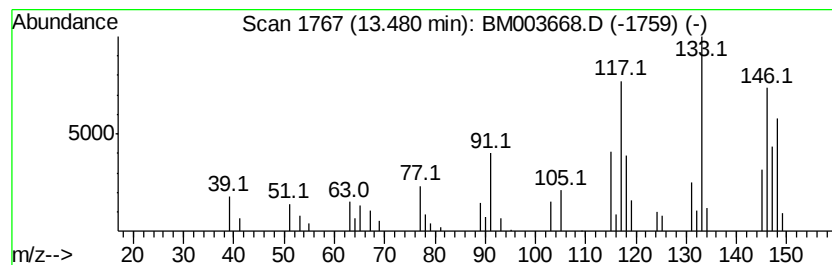
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	3.71 ng/ul	71281	Acenaphthene-d10	14.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene-4-carboxaldehyd	146	C10H10O	051932-70-8	43
2			6-Methyl-4-indanol	148	C10H12O	020294-32-0	42
3			Naphth[1,2-b]oxirene, 1a,2,3,7b-	146	C10H10O	002461-34-9	38
4			1H-Imidazole, 4,5-dihydro-2-phenyl-	146	C9H10N2	000936-49-2	30
5			Pyrazine, 3,5-dimethyl-2-(1-prop...	148	C9H12N2	055138-74-4	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
Operator : UM/SJ
Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

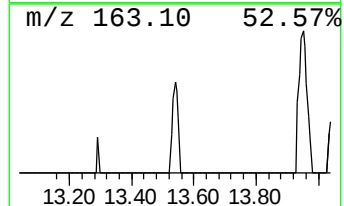
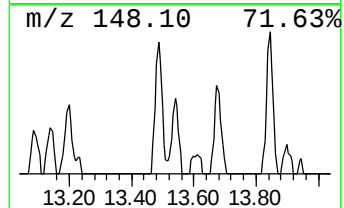
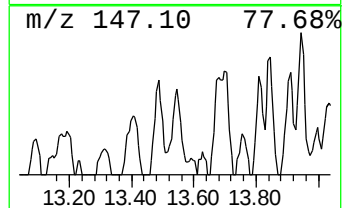
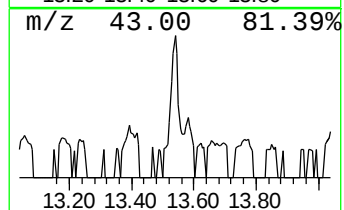
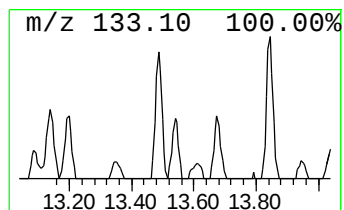
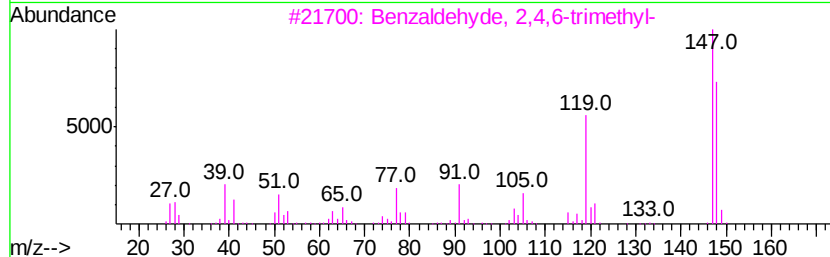
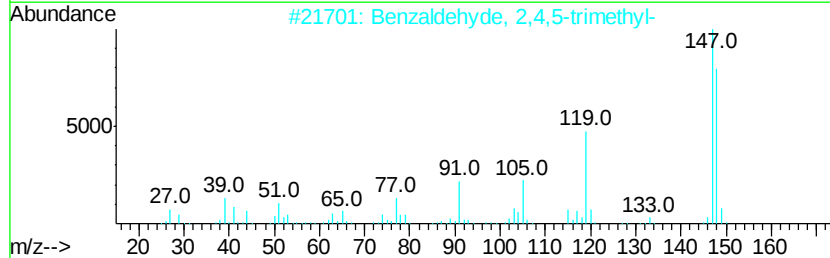
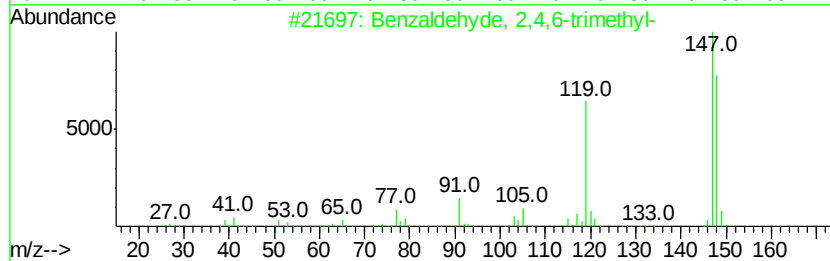
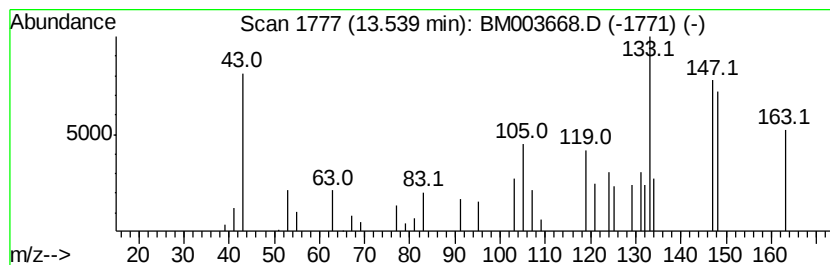
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 unknown-03 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	2.58 ng/ul	49486	Acenaphthene-d10	14.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzaldehyde, 2,4,6-trimethyl-	148 C10H12O	000487-68-3 30
2		Benzaldehyde, 2,4,5-trimethyl-	148 C10H12O	005779-72-6 30
3		Benzaldehyde, 2,4,6-trimethyl-	148 C10H12O	000487-68-3 27
4		Benzaldehyde, 2,4,5-trimethyl-	148 C10H12O	005779-72-6 27
5		Benzaldehyde, 2,4,6-trimethyl-	148 C10H12O	000487-68-3 27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
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Sample : G4867-16
Misc :
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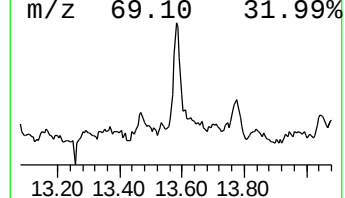
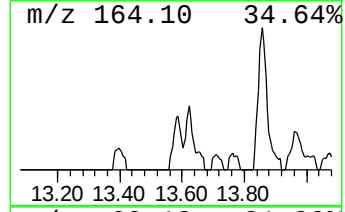
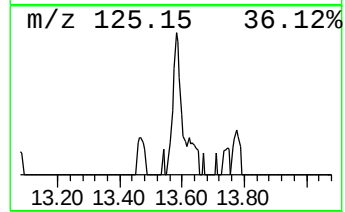
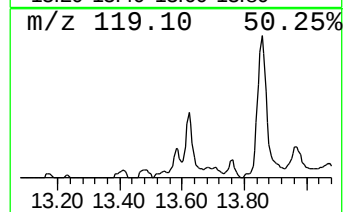
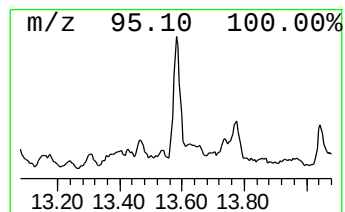
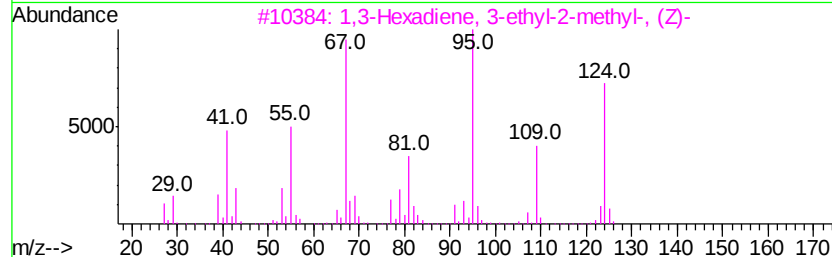
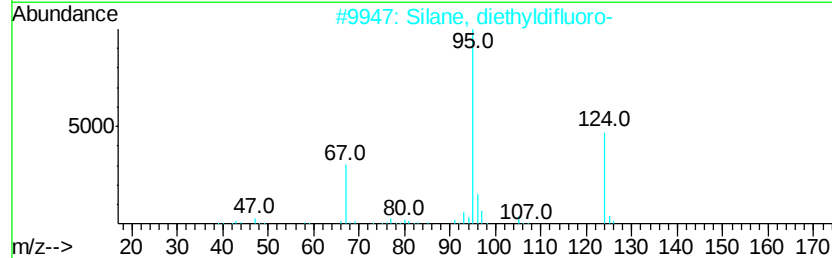
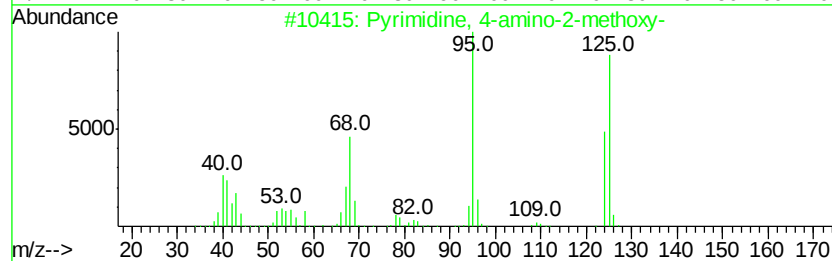
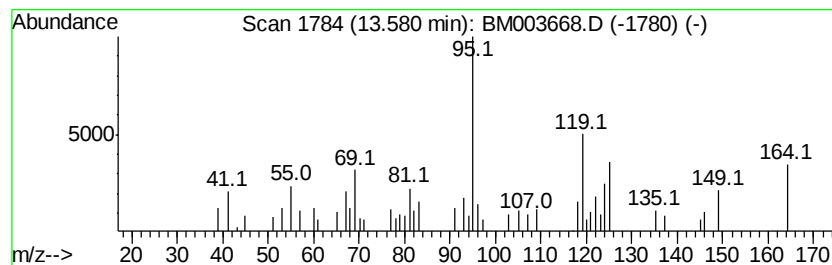
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.58	3.60 ng/ul	69193	Acenaphthene-d10	14.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrimidine, 4-amino-2-methoxy-	125	C5H7N3O	003289-47-2	32
2	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	27
3	1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	27
4	1,3-Heptadiene, 5,5-dimethyl-	124	C9H16	024618-86-8	27
5	Furan, 4-methyl-2-propyl-	124	C8H12O	006148-37-4	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
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Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

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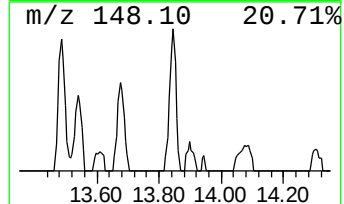
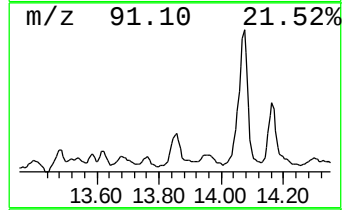
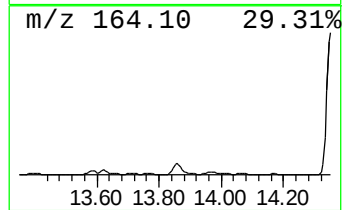
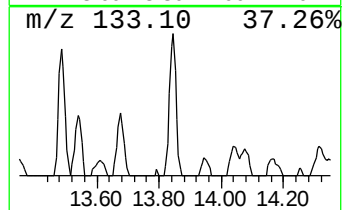
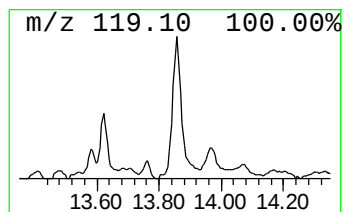
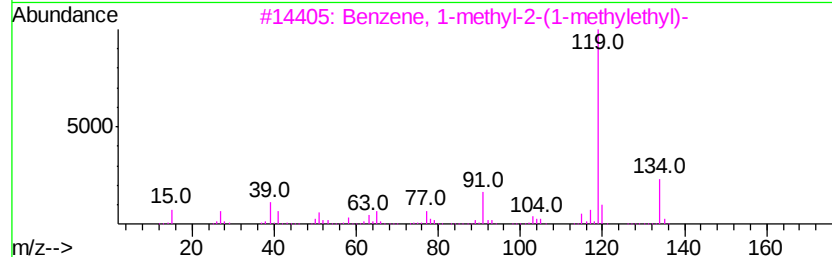
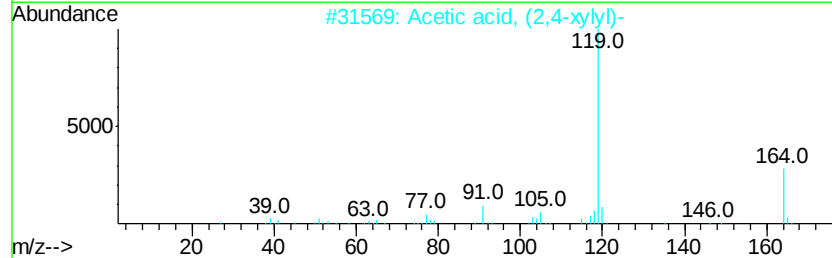
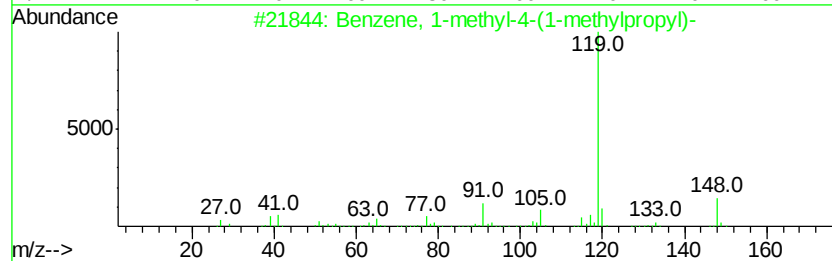
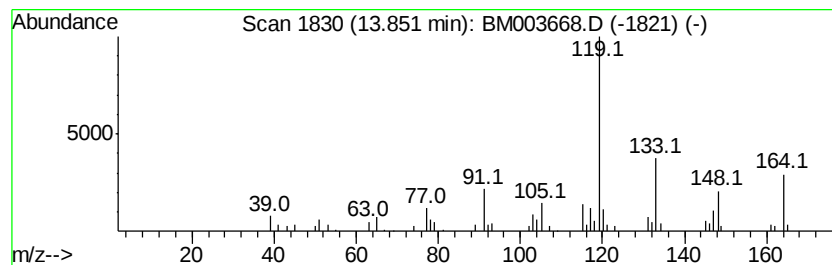
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Benzene, 1-methyl-4-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	6.26 ng/ul	120249	Acenaphthene-d10	14.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
2		Acetic acid, (2,4-xylvl)-	164	C10H12O2	006331-04-0	60
3		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	55
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	55
5		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	55



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
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ALS Vial : 21 Sample Multiplier: 1

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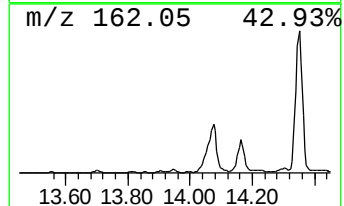
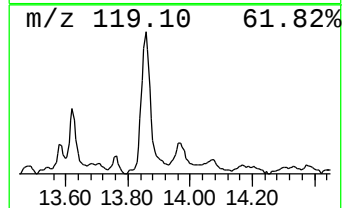
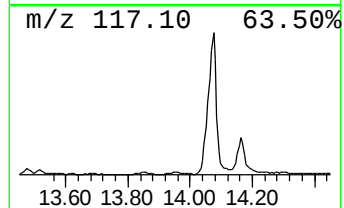
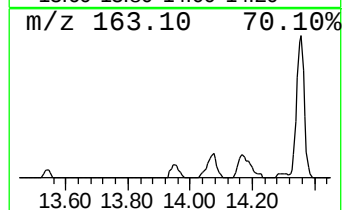
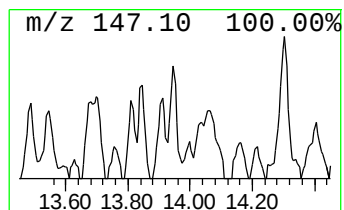
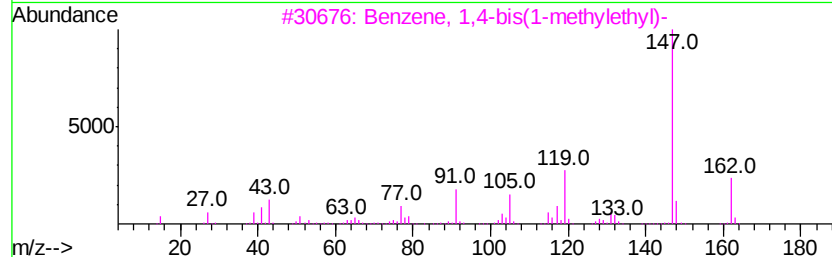
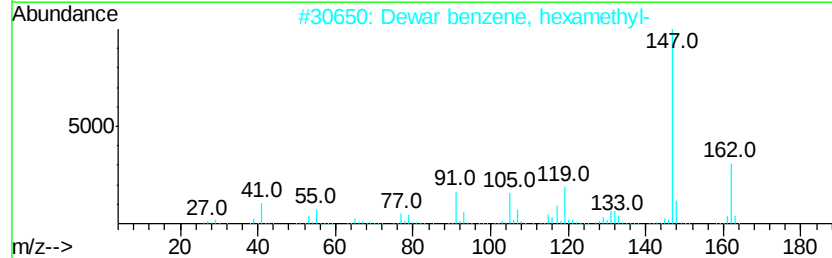
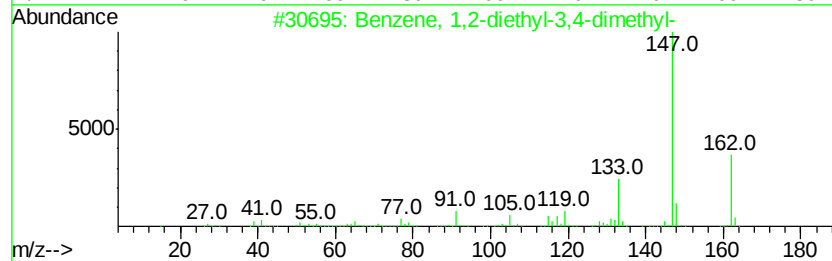
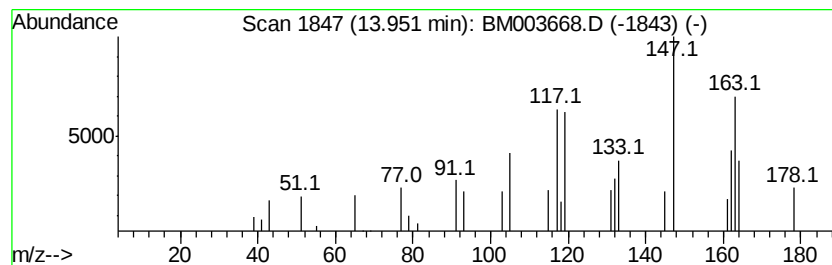
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 unknown-05 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.01 ng/ul	38664	Acenaphthene-d10	14.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-3,4-dimethyl-	162	C12H18	054410-75-2	46
2			Dewar benzene, hexamethyl-	162	C12H18	007641-77-2	43
3			Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	43
4			Ethanone, 1-(3,4,5-trimethylphenyl)-	162	C11H14O	002047-21-4	43
5			Tricyclo[3.2.1.0 ^{2,7}]oct-3-ene, 2,3,4-trimethyl-	162	C12H18	062338-44-7	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
Operator : UM/SJ
Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

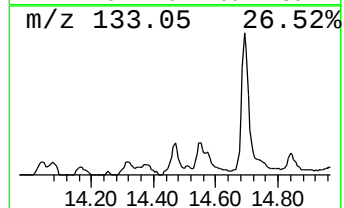
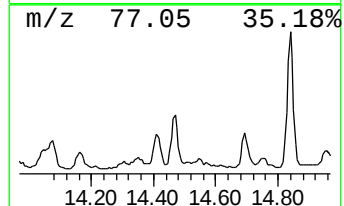
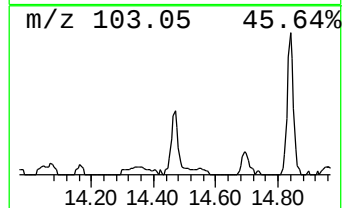
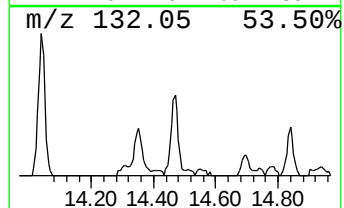
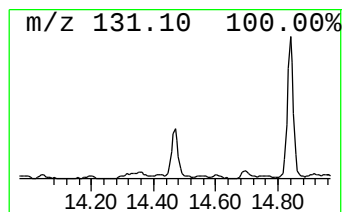
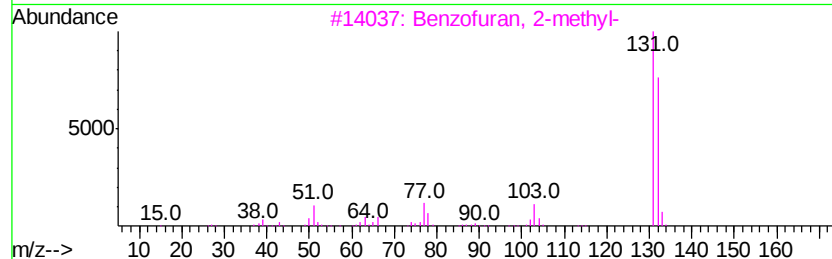
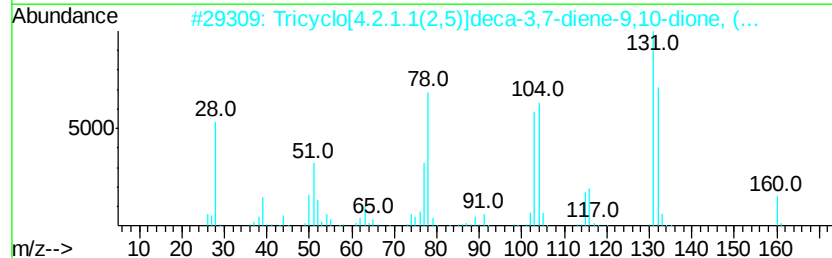
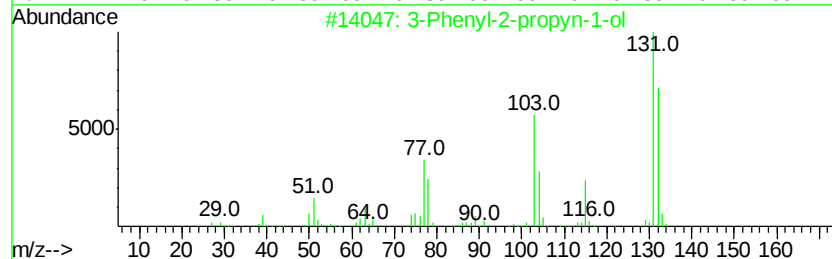
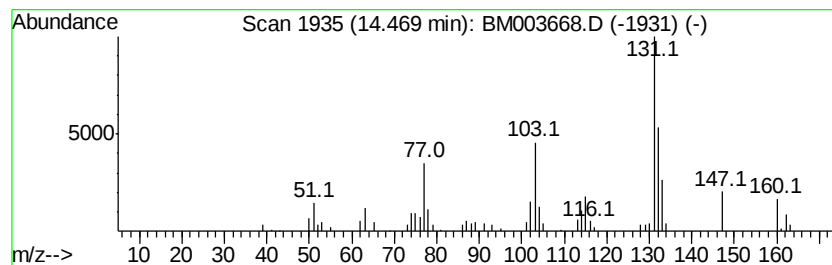
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 3-Phenyl-2-propyn-1-ol Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	4.04 ng/ul	77634	Acenaphthene-d10	14.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Phenyl-2-propyn-1-ol	132 C9H8O	001504-58-1	86
2	Tricyclo[4.2.1.1(2,5)]deca-3,7-d...	160 C10H8O2	014224-65-8	76
3	Benzofuran, 2-methyl-	132 C9H8O	004265-25-2	76
4	3-Phenyl-2-propyn-1-ol	132 C9H8O	001504-58-1	68
5	Cinnamaldehyde, (E)-	132 C9H8O	014371-10-9	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
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Operator : UM/SJ
Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

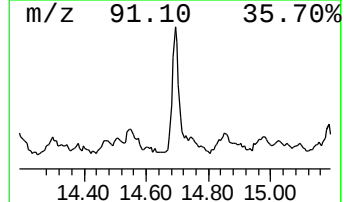
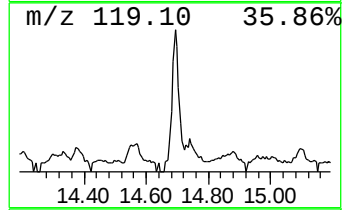
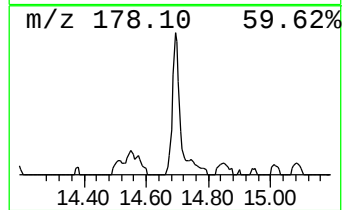
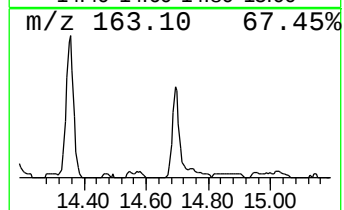
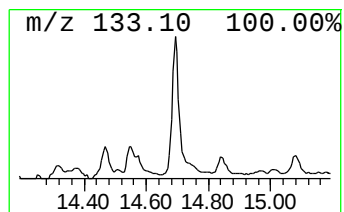
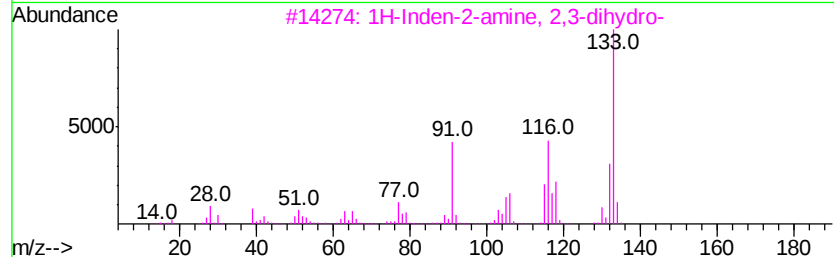
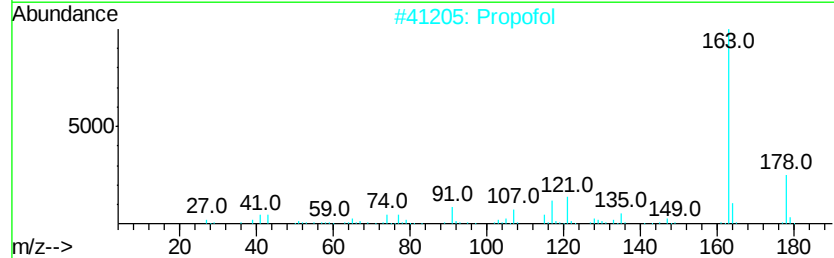
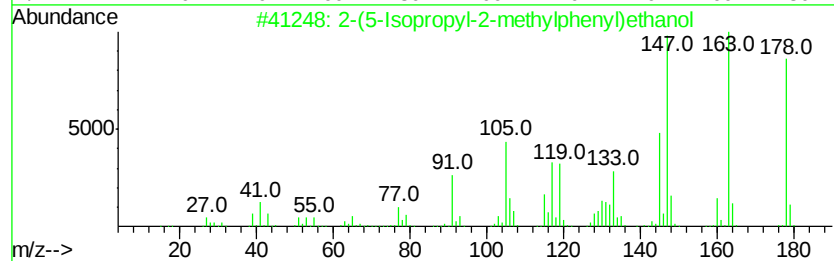
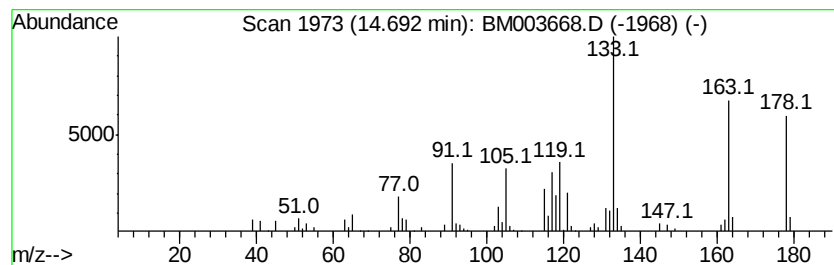
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 unknown-06 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	7.15 ng/ul	137241	Acenaphthene-d10	14.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-(5-Isopropyl-2-methylphenyl)et...	178 C12H18O	004389-64-4	49
2	Propofol	178 C12H18O	002078-54-8	38
3	1H-Inden-2-amine, 2,3-dihydro-	133 C9H11N	002975-41-9	38
4	4-Hydrazinobenzonitrile	133 C7H7N3	017672-27-4	35
5	Mesitylacetic acid	178 C11H14O2	004408-60-0	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
Operator : UM/SJ
Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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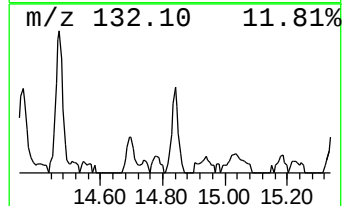
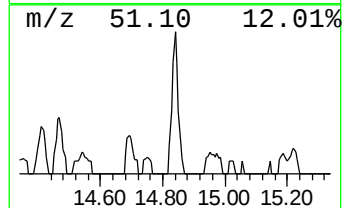
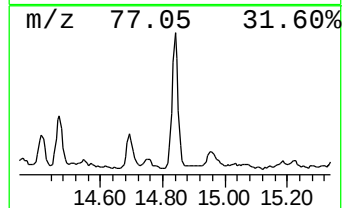
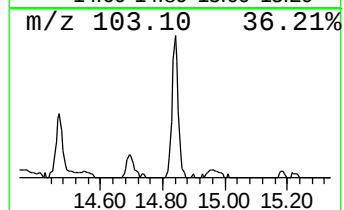
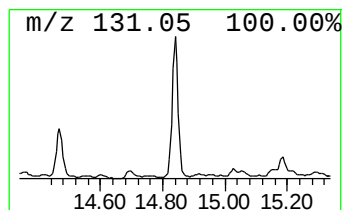
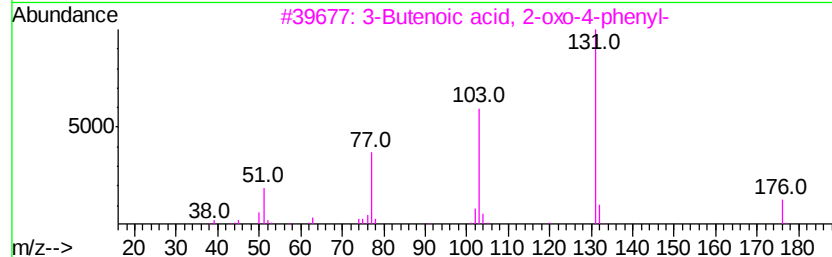
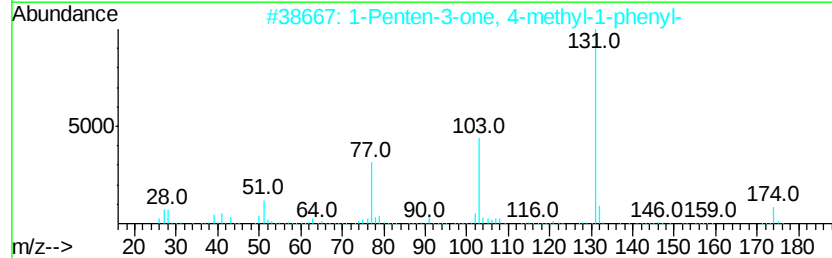
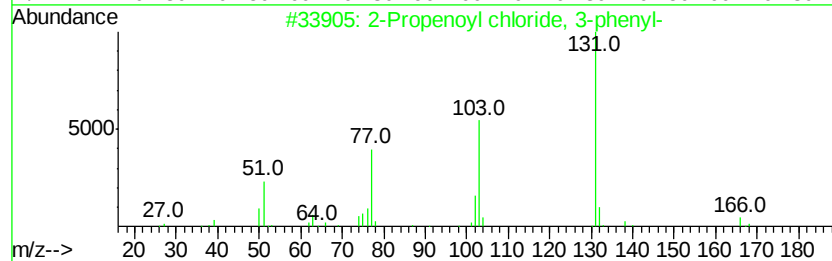
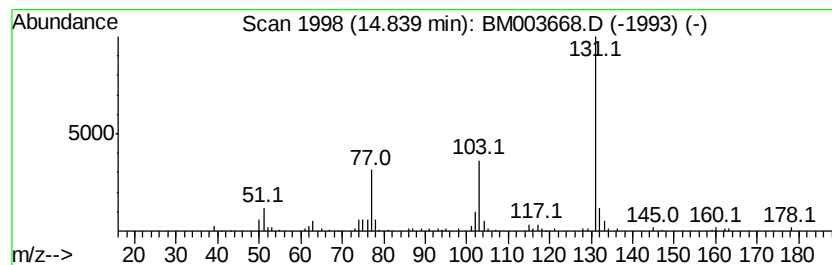
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 2-Propenoyl chloride, 3-phe... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	7.30 ng/ul	140224	Acenaphthene-d10	14.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	83
2			1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	78
3			3-Butenoic acid, 2-oxo-4-phenyl-	176	C10H8O3	1000142-21-0	78
4			N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	78
5			2-Propenoic acid, 3-phenyl-, met...	162	C10H10O2	001754-62-7	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
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Sample : G4867-16
Misc :
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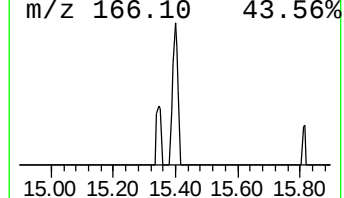
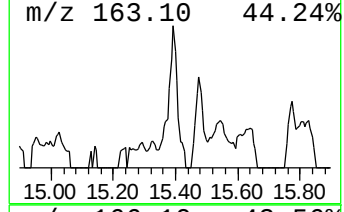
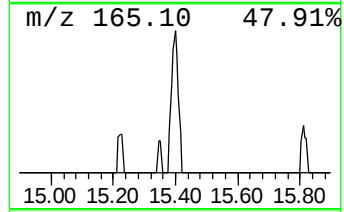
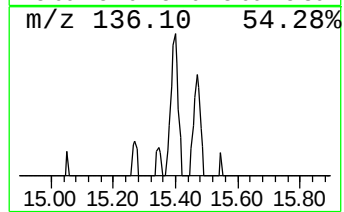
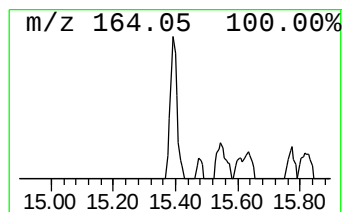
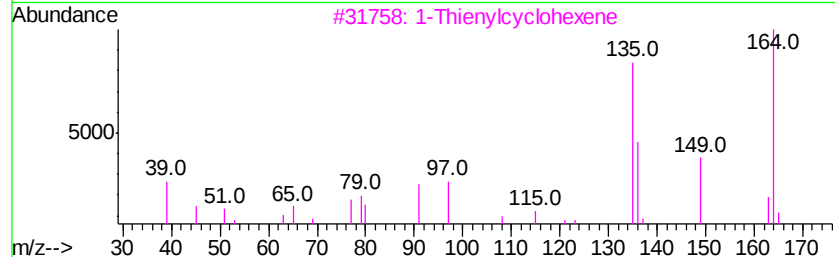
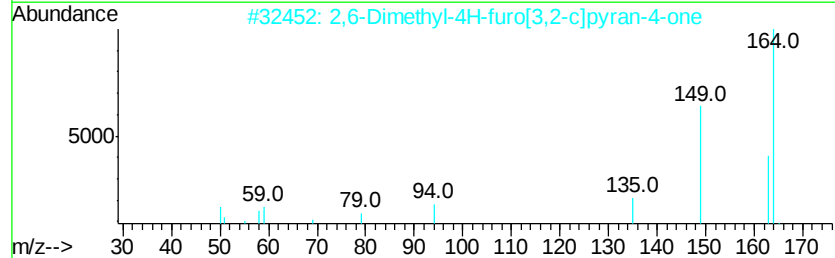
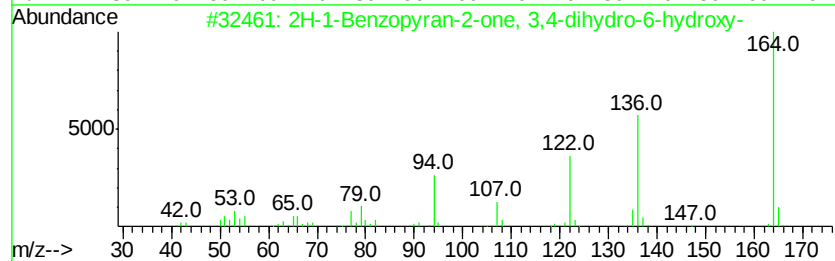
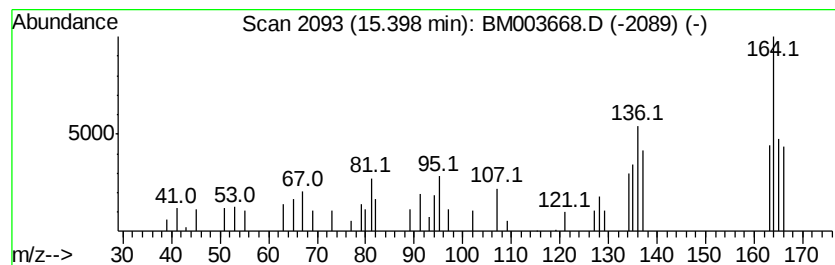
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 unknown-07 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	2.23 ng/ul	42809	Acenaphthene-d10	14.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2H-1-Benzopyran-2-one, 3,4-dihyd...	164 C9H8O3	002669-94-5	30
2	2,6-Dimethyl-4H-furo[3,2-c]pyran...	164 C9H8O3	087785-58-8	30
3	1-Thienylcyclohexene	164 C10H12S	076576-48-2	27
4	2-Benzothiazolamine, 6-methyl-	164 C8H8N2S	002536-91-6	27
5	2-Hydroxy-5-methylisophthalaldehyde	164 C9H8O3	007310-95-4	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
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Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9DB1

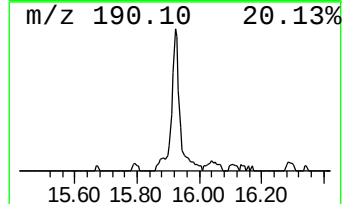
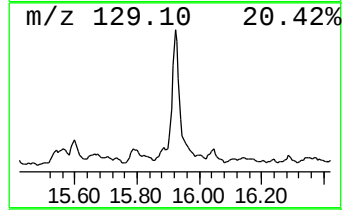
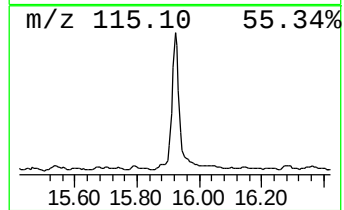
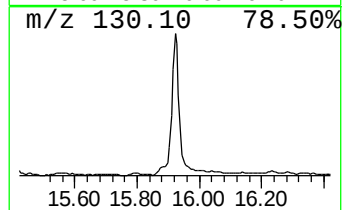
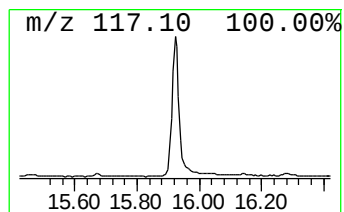
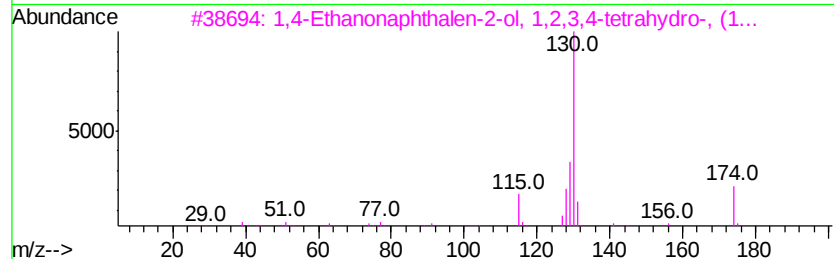
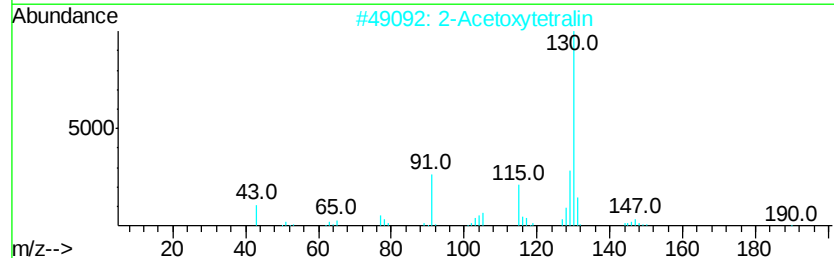
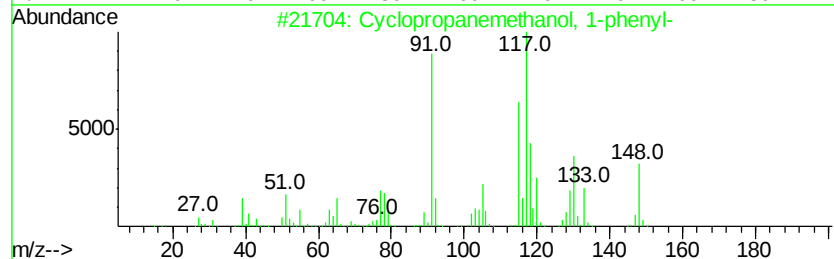
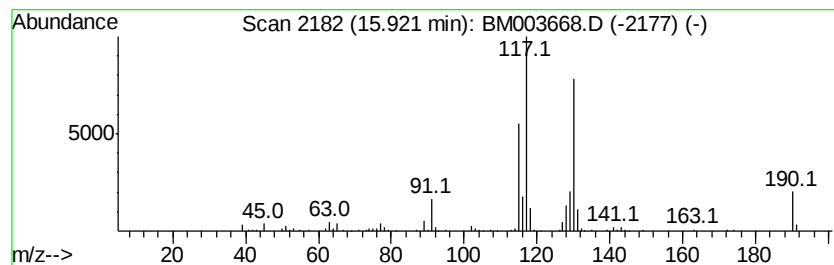
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 unknown-08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	10.40 ng/ul	285927	Phenanthrene-d10	17.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropanemethanol, 1-phenyl-	148	C10H12O	031729-66-5	47
2		2-Acetoxytetralin	190	C12H14O2	1000146-07-5	47
3		1,4-Ethanonaphthalen-2-ol, 1,2,3...	174	C12H14O	013153-77-0	38
4		Bicyclo[3.2.0]hept-2-en-6-ol, 5-...	230	C15H18O2	1000157-97-8	35
5		Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	32



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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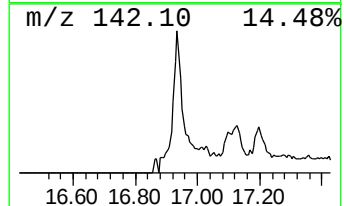
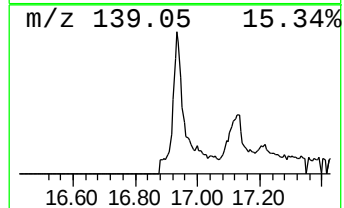
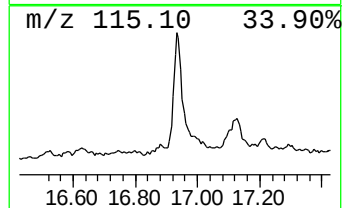
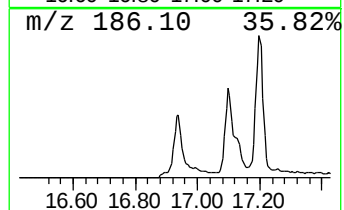
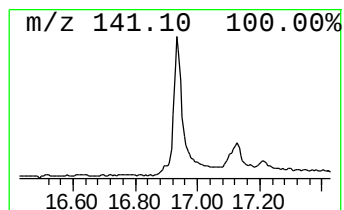
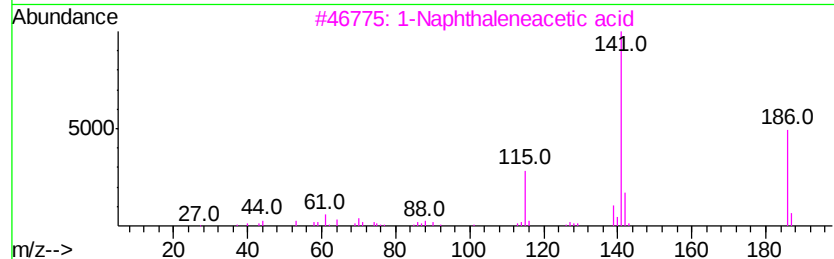
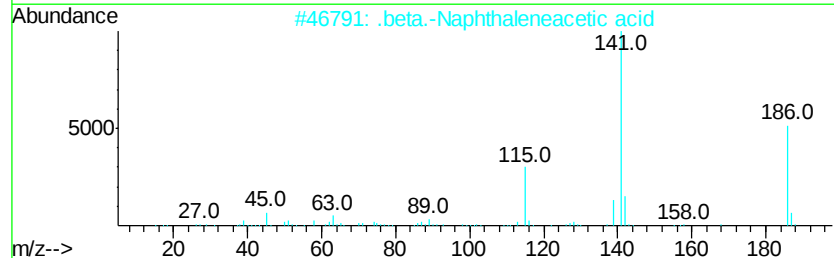
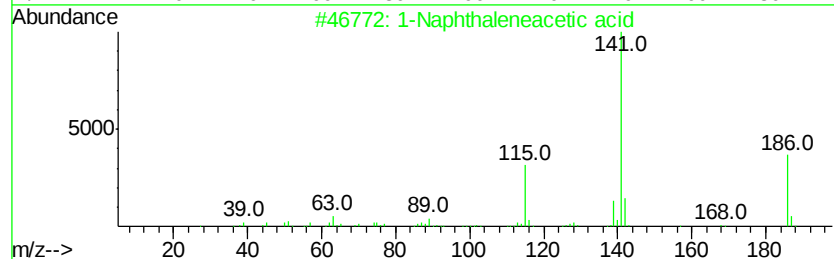
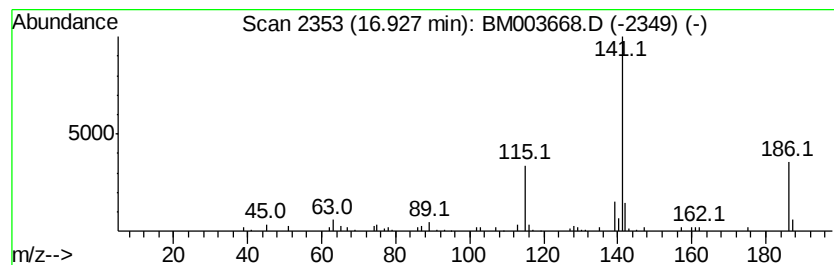
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 1-Naphthaleneacetic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	4.54 ng/ul	124783	Phenanthrene-d10	17.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Naphthaleneacetic acid	186	C12H10O2	000086-87-3	96
2		.beta.-Naphthaleneacetic acid	186	C12H10O2	000581-96-4	95
3		1-Naphthaleneacetic acid	186	C12H10O2	000086-87-3	91
4		1-Naphthaleneacetic acid	186	C12H10O2	000086-87-3	91
5		.beta.-Naphthaleneacetic acid	186	C12H10O2	000581-96-4	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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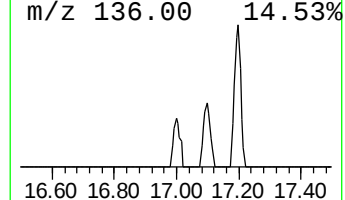
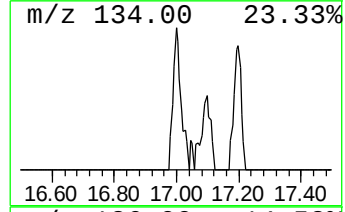
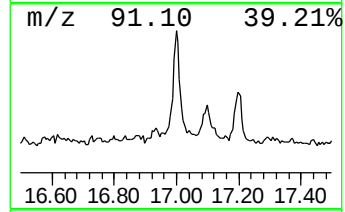
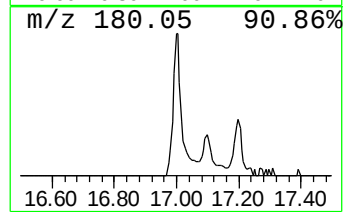
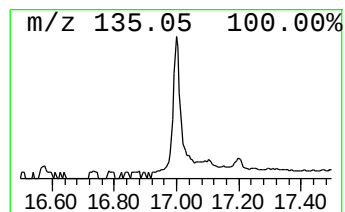
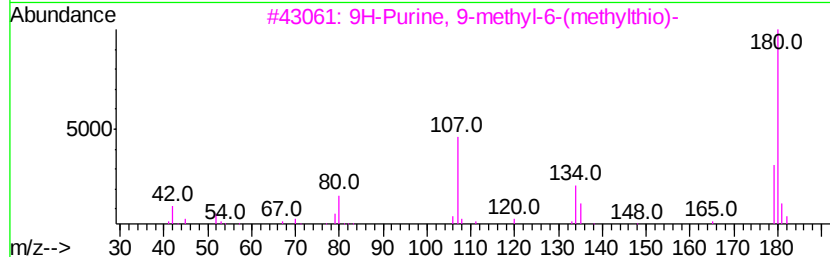
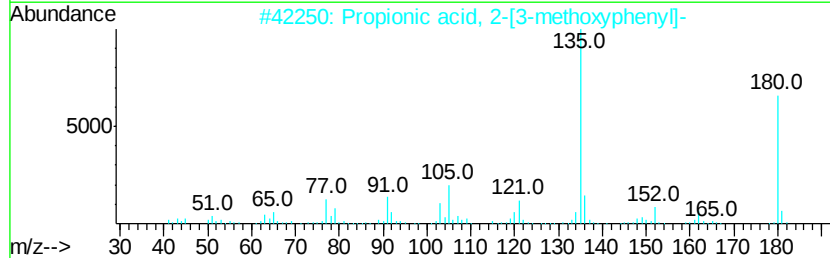
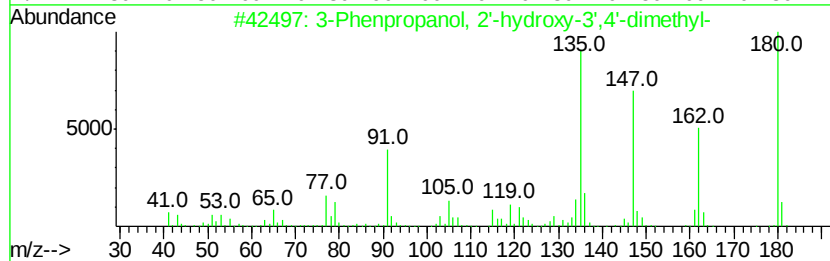
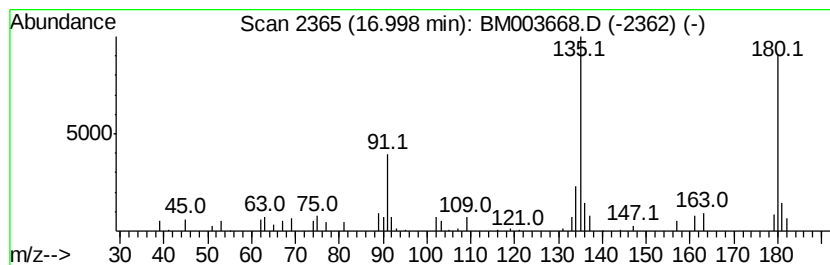
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 3-Phenpropanol, 2'-hydroxy-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.60 ng/ul	71549	Phenanthrene-d10	17.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Phenpropanol, 2'-hydroxy-3',4'...	180	C11H16O2	040614-18-4	80
2		Propionic acid, 2-[3-methoxyphen...	180	C10H12O3	1000128-52-3	59
3		9H-Purine, 9-methyl-6-(methylthio)-	180	C7H8N4S	001127-75-9	38
4		1H-Purine, 2-methyl-6-(methylthio)-	180	C7H8N4S	001008-47-5	38
5		4-Cyanothiophenol	135	C7H5NS	036801-01-1	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003668.D
Acq On : 20 Dec 2015 23:27
Operator : UM/SJ
Sample : G4867-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G9DB1

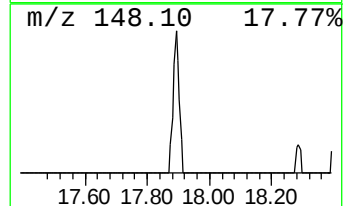
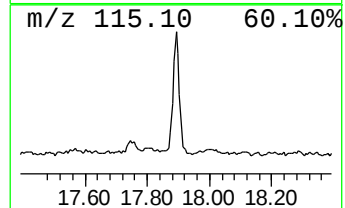
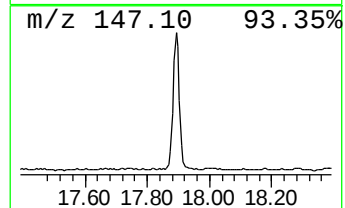
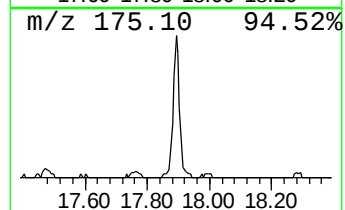
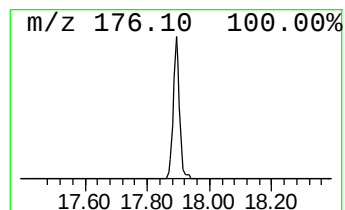
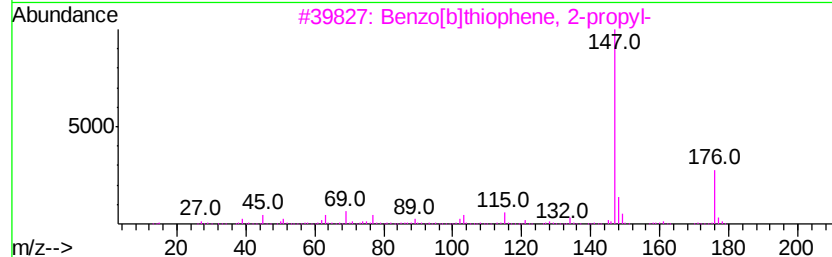
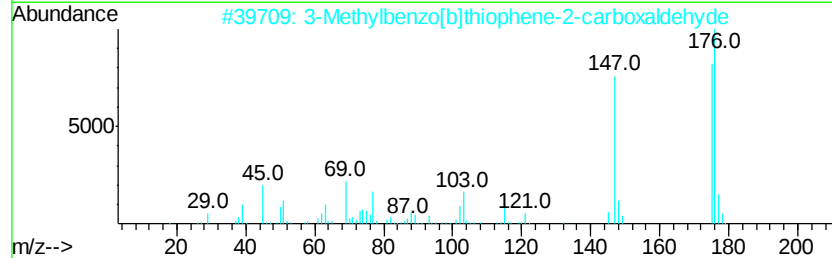
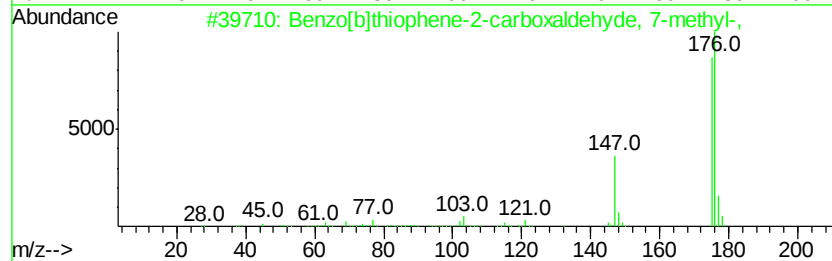
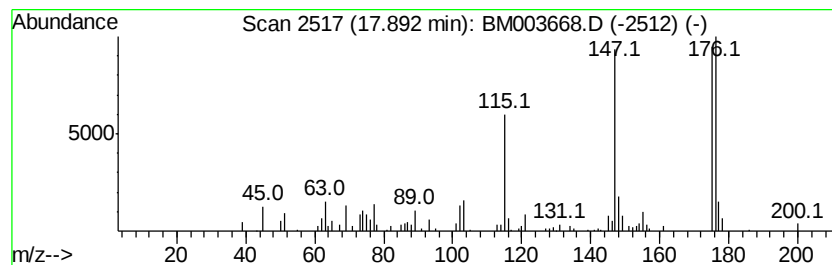
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 Benzo[b]thiophene-2-carboxa... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.00 ng/ul	109954	Phenanthrene-d10	17.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene-2-carboxaldehy...	176	C10H8OS	003751-76-6	96
2		3-Methylbenzo[b]thiophene-2-carb...	176	C10H8OS	022053-74-3	91
3		Benzo[b]thiophene, 2-propyl-	176	C11H12S	016587-32-9	60
4		1-Methylthiophthalazine	176	C9H8N2S	021948-74-3	38
5		1-Phenylimidazoline-2-thione	176	C9H8N2S	017452-09-4	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122015\
 Data File : BM003668.D
 Acq On : 20 Dec 2015 23:27
 Operator : UM/SJ
 Sample : G4867-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9DB1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, (1-methy...	6.19	53.1	ng/ul	401541	1	7.70	151296	20.0
Benzene, 1-ethyl-...	7.09	24.0	ng/ul	181717	1	7.70	151296	20.0
Benzene, 1-ethyl-...	7.35	3.5	ng/ul	26169	1	7.70	151296	20.0
Indane	8.10	1746.3	ng/ul	13210100	1	7.70	151296	20.0
Indene	8.23	9.8	ng/ul	74181	1	7.70	151296	20.0
Benzene, 4-ethyl-...	8.80	16.8	ng/ul	127156	1	7.70	151296	20.0
Benzofuran, 7-met...	9.05	21.8	ng/ul	164774	1	7.70	151296	20.0
Benzene, 1-etheny...	9.89	2.6	ng/ul	2063650	2	10.50	15809500	20.0
1H-Inden-5-ol, 2,...	12.55	15.2	ng/ul	290944	3	14.35	383992	20.0
Phenol, 2,3,4,6-t...	12.76	3.8	ng/ul	72642	3	14.35	383992	20.0
7-Methylindan-1-one	12.80	2.1	ng/ul	39716	3	14.35	383992	20.0
unknown-01	13.39	2.1	ng/ul	39494	3	14.35	383992	20.0
unknown-02	13.48	3.7	ng/ul	71281	3	14.35	383992	20.0
unknown-03	13.54	2.6	ng/ul	49486	3	14.35	383992	20.0
unknown-04	13.58	3.6	ng/ul	69193	3	14.35	383992	20.0
Benzene, 1-methyl...	13.85	6.3	ng/ul	120249	3	14.35	383992	20.0
unknown-05	13.95	2.0	ng/ul	38664	3	14.35	383992	20.0
3-Phenyl-2-propyn...	14.47	4.0	ng/ul	77634	3	14.35	383992	20.0
unknown-06	14.69	7.2	ng/ul	137241	3	14.35	383992	20.0
2-Propenoyl chlor...	14.84	7.3	ng/ul	140224	3	14.35	383992	20.0
unknown-07	15.40	2.2	ng/ul	42809	3	14.35	383992	20.0
unknown-08	15.92	10.4	ng/ul	285927	4	17.10	549672	20.0
1-Naphthaleneacet...	16.93	4.5	ng/ul	124783	4	17.10	549672	20.0
3-Phenpropanol, 2...	17.00	2.6	ng/ul	71549	4	17.10	549672	20.0
Benzo[b]thiophene...	17.89	4.0	ng/ul	109954	4	17.10	549672	20.0