

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
 Data File : BM010244.D
 Acq On : 26 May 2017 07:22
 Operator : SJ/MA
 Sample : I3340-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DRUM-1-DRUM-2-COMP

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % 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\8270-BM051917.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.857	129	131	142	rBV	160390	361895	2.65%	0.392%
2	4.451	224	232	236	rBV2	92760	167370	1.22%	0.181%
3	4.699	267	274	281	rVB	340621	520704	3.81%	0.564%
4	5.063	331	336	345	rVB	647023	913370	6.68%	0.989%
5	5.493	404	409	411	rBV	269212	413231	3.02%	0.447%
6	5.528	411	415	423	rVB	1204932	1810215	13.23%	1.960%
7	6.287	538	544	557	rBV	815219	1275972	9.33%	1.381%
8	7.069	672	677	682	rBV	206840	359617	2.63%	0.389%
9	7.134	682	688	702	rVB	776931	1416247	10.35%	1.533%
10	7.481	740	747	759	rBV	1993190	3295500	24.09%	3.567%
11	7.939	818	825	829	rBV	502525	809199	5.91%	0.876%
12	7.981	829	832	850	rVB	299476	667671	4.88%	0.723%
13	8.263	867	880	893	rBV	1975425	3481876	25.45%	3.769%
14	8.404	898	904	911	rVB2	282364	460333	3.36%	0.498%
15	8.639	933	944	953	rBV2	112678	263861	1.93%	0.286%
16	8.781	962	968	975	rVB	504925	845239	6.18%	0.915%
17	8.857	975	981	988	rVV3	67259	159377	1.16%	0.173%
18	9.128	1019	1027	1034	rBV	1563593	2555768	18.68%	2.767%
19	9.222	1037	1043	1054	rVB3	99211	202558	1.48%	0.219%
20	9.375	1062	1069	1079	rVB7	73724	200594	1.47%	0.217%
21	9.969	1158	1170	1175	rBV9	80024	227747	1.66%	0.247%
22	10.157	1198	1202	1210	rVB7	101721	197662	1.44%	0.214%
23	10.445	1246	1251	1258	rVB	132671	221841	1.62%	0.240%
24	10.669	1282	1289	1296	rBV4	81557	184368	1.35%	0.200%
25	10.745	1296	1302	1307	rBV	575530	982006	7.18%	1.063%
26	10.904	1323	1329	1337	rBV	166587	297142	2.17%	0.322%
27	11.045	1339	1353	1361	rBV2	2850313	6523733	47.68%	7.062%
28	11.257	1384	1389	1394	rBV3	84612	143791	1.05%	0.156%
29	11.339	1396	1403	1407	rBV	231569	383040	2.80%	0.415%
30	11.492	1422	1429	1449	rBV	907955	2273978	16.62%	2.462%
31	11.680	1457	1461	1469	rVB2	110261	193284	1.41%	0.209%
32	11.845	1484	1489	1498	rVB4	57400	153110	1.12%	0.166%
33	12.033	1512	1521	1527	rBV2	141230	332172	2.43%	0.360%
34	12.098	1527	1532	1535	rVV2	145457	261222	1.91%	0.283%

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35	12.151	1535	1541	1547	rVV2	821596	1433171	10.47%	1.551%
36	12.216	1547	1552	1559	rVB	408645	624024	4.56%	0.676%
37	12.410	1578	1585	1591	rBV6	122900	318900	2.33%	0.345%
38	12.633	1617	1623	1632	rBV7	83382	187288	1.37%	0.203%
39	13.027	1681	1690	1698	rVB	1558459	2678665	19.58%	2.900%
40	13.133	1702	1708	1712	rBV	294900	546796	4.00%	0.592%
41	13.198	1713	1719	1726	rVB	5056707	7384567	53.97%	7.994%
42	13.286	1728	1734	1738	rBV	214608	359354	2.63%	0.389%
43	13.492	1765	1769	1776	rVB	140341	231395	1.69%	0.250%
44	13.569	1776	1782	1786	rBV4	89180	189589	1.39%	0.205%
45	13.710	1801	1806	1812	rBV2	111819	211413	1.55%	0.229%
46	14.033	1855	1861	1870	rBV	243267	465632	3.40%	0.504%
47	14.145	1875	1880	1885	rVB	206970	343541	2.51%	0.372%
48	14.321	1905	1910	1916	rBV3	193166	378906	2.77%	0.410%
49	14.421	1923	1927	1931	rVB	241702	306004	2.24%	0.331%
50	14.468	1931	1935	1942	rVB2	175630	295743	2.16%	0.320%
51	14.574	1948	1953	1961	rVB2	1022646	1584099	11.58%	1.715%
52	14.910	2005	2010	2016	rVB5	113514	212576	1.55%	0.230%
53	14.992	2020	2024	2031	rVB5	150569	287381	2.10%	0.311%
54	15.315	2075	2079	2085	rVV2	275148	448677	3.28%	0.486%
55	15.386	2087	2091	2099	rVB	123446	205225	1.50%	0.222%
56	15.592	2123	2126	2132	rVB4	206193	304418	2.22%	0.330%
57	15.910	2176	2180	2195	rVB2	177430	390011	2.85%	0.422%
58	16.068	2198	2207	2216	rBV	4213422	6064160	44.32%	6.565%
59	16.198	2226	2229	2235	rBV7	87640	137526	1.01%	0.149%
60	16.304	2243	2247	2256	rVB6	89773	186855	1.37%	0.202%
61	16.492	2276	2279	2286	rVB6	125996	216473	1.58%	0.234%
62	16.604	2293	2298	2303	rVB	1151401	1591046	11.63%	1.722%
63	16.809	2329	2333	2343	rBV	226656	447598	3.27%	0.485%
64	16.951	2353	2357	2363	rVB	163047	248750	1.82%	0.269%
65	17.062	2370	2376	2385	rBV	2262767	3155552	23.06%	3.416%
66	17.162	2389	2393	2398	rVB	462182	590612	4.32%	0.639%
67	17.321	2414	2420	2434	rVB	1414676	2188908	16.00%	2.370%
68	17.574	2460	2463	2470	rVB2	143607	230292	1.68%	0.249%
69	17.645	2471	2475	2486	rBV4	115713	348361	2.55%	0.377%
70	18.174	2560	2565	2569	rBV3	189181	381359	2.79%	0.413%
71	18.221	2570	2573	2582	rVB3	271722	455478	3.33%	0.493%

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72	18.409	2600	2605	2614	rBV	804156	1217303	8.90%	1.318%
73	18.815	2670	2674	2678	rBV	236362	297030	2.17%	0.322%
74	19.374	2767	2769	2773	rVB	187956	225546	1.65%	0.244%
75	19.450	2778	2782	2789	rVB7	78608	157273	1.15%	0.170%
76	19.692	2819	2823	2831	rBV2	141357	349992	2.56%	0.379%
77	19.762	2831	2835	2842	rBV	773264	1092810	7.99%	1.183%
78	19.921	2857	2862	2868	rBV	11420436	13681863	100.00%	14.811%
79	20.050	2880	2884	2889	rVB	363987	428128	3.13%	0.463%
80	21.480	3122	3127	3132	rBV	2356001	2873373	21.00%	3.110%
81	21.603	3144	3148	3155	rBV	729057	917128	6.70%	0.993%
82	23.838	3522	3528	3539	rVB2	1485848	2950341	21.56%	3.194%

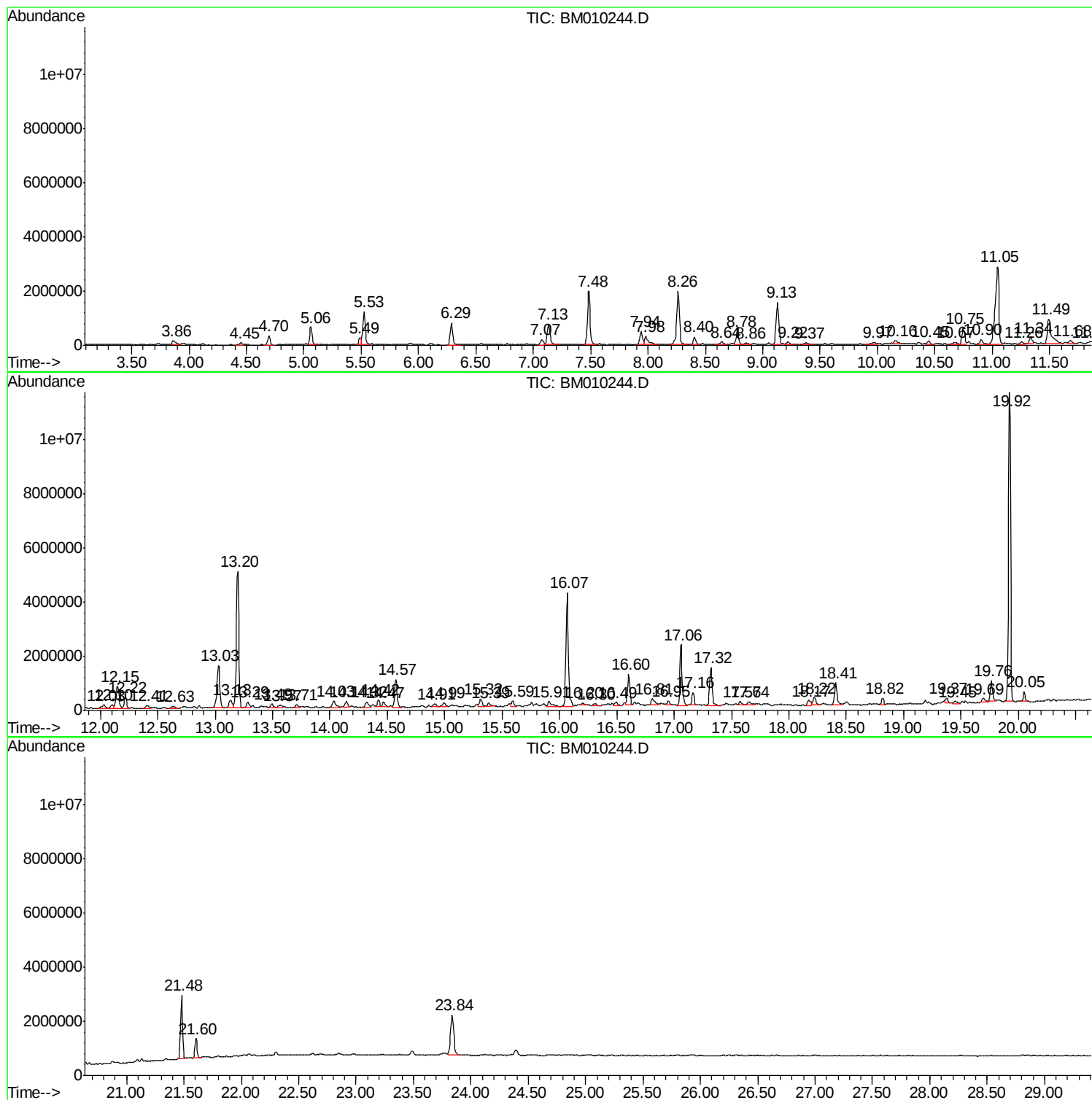
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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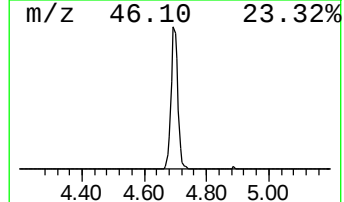
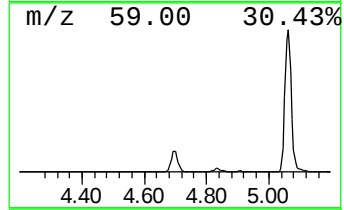
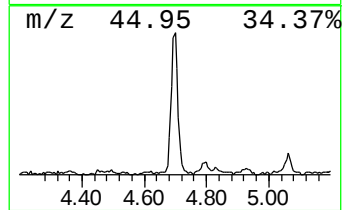
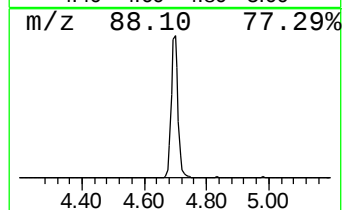
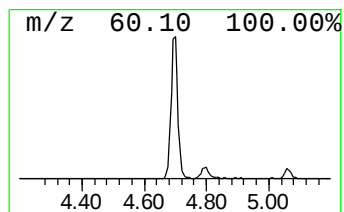
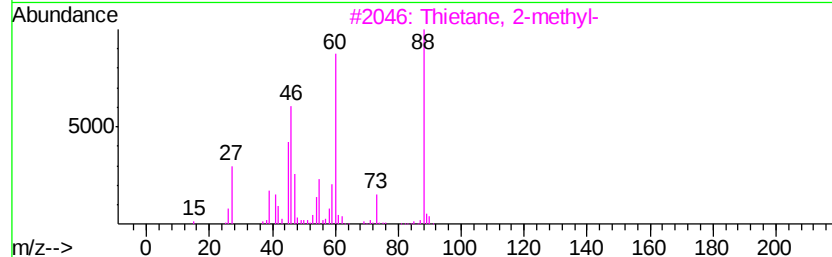
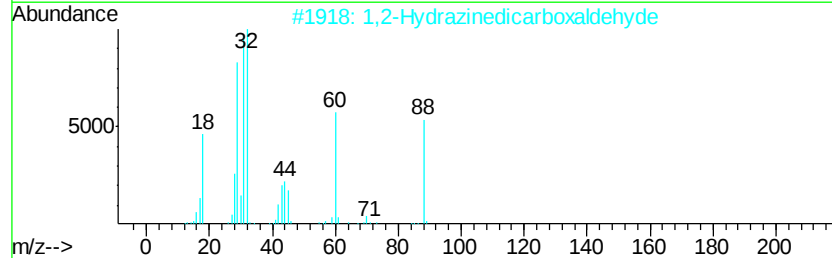
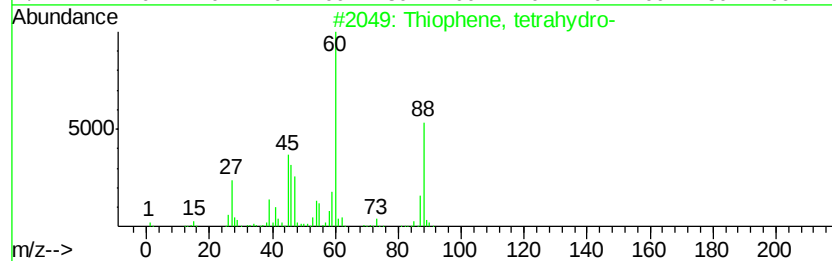
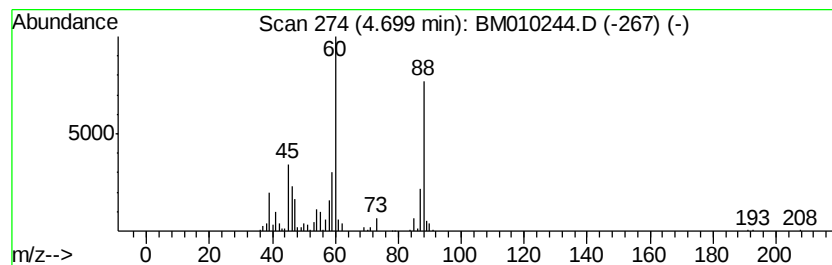
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Thiophene, tetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	12.87 ng	520704	1,4-Dichlorobenzene-d4	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	90
2		1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	53
3		Thietane, 2-methyl-	88	C4H8S	017837-41-1	50
4		Ethylvinyl sulfide	88	C4H8S	000627-50-9	50
5		Ethenol, 2-ethoxy-, acetate	130	C6H10O3	089489-60-1	40



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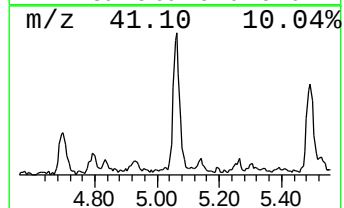
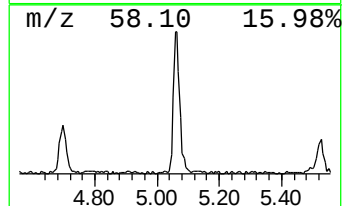
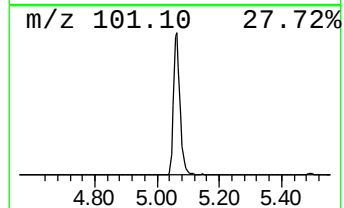
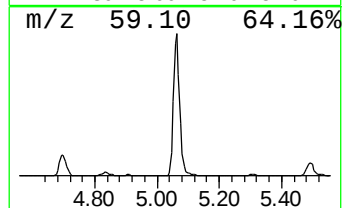
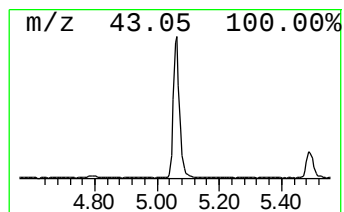
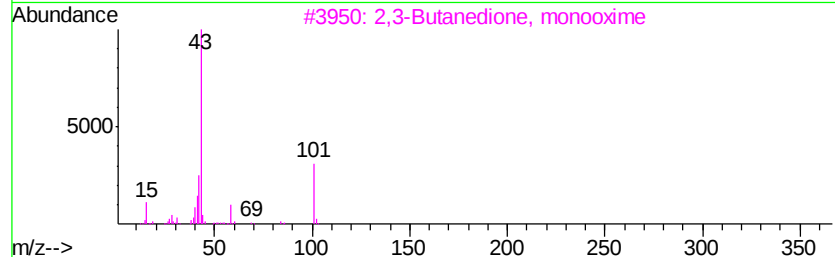
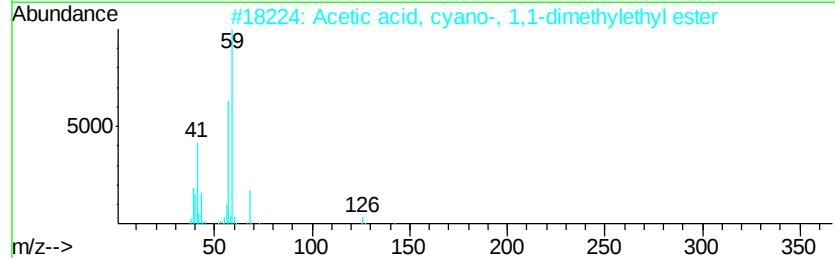
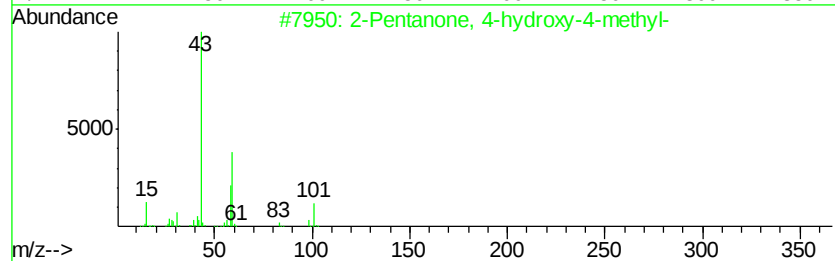
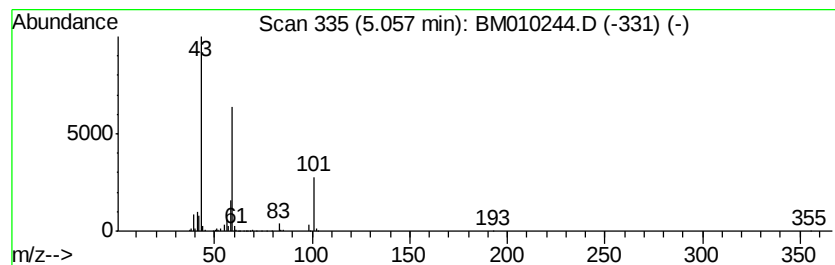
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	22.57 ng	913370	1,4-Dichlorobenzene-d4	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4		4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
5		Butane	58	C4H10	000106-97-8	10



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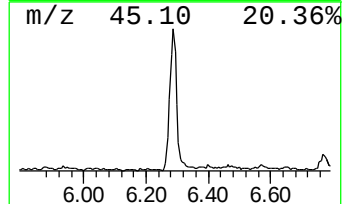
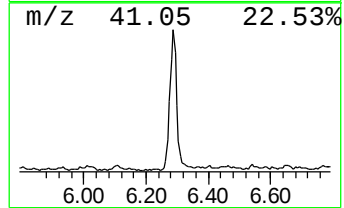
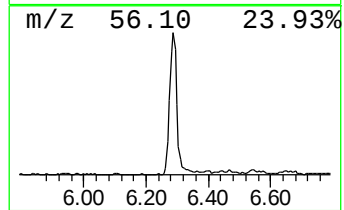
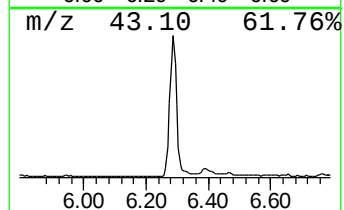
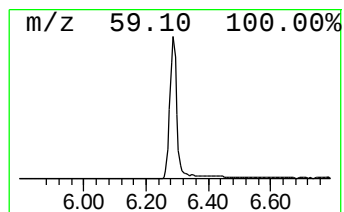
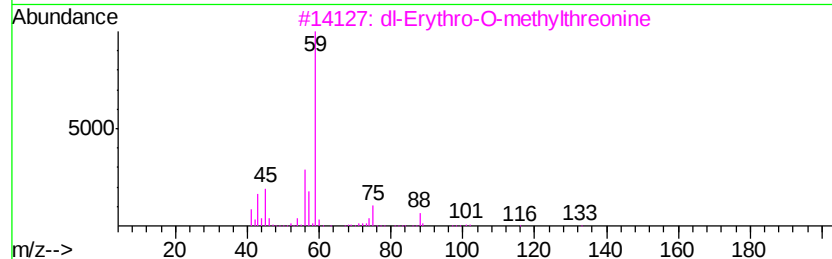
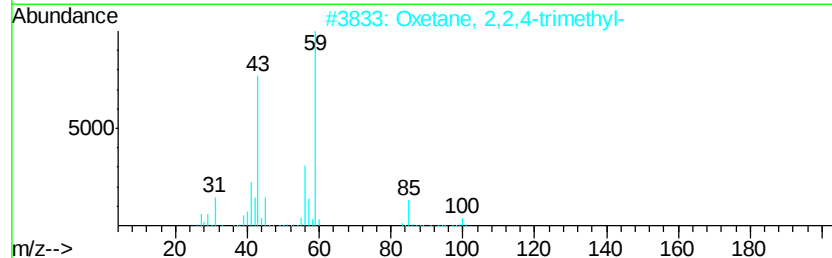
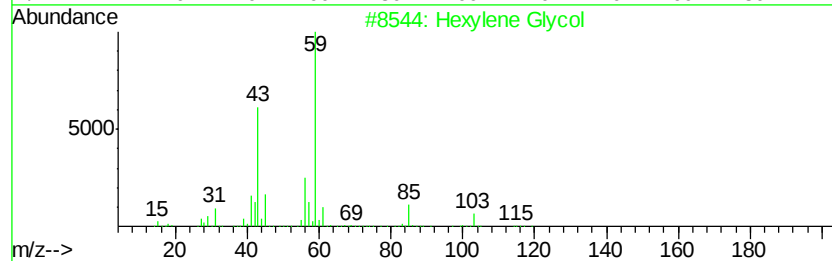
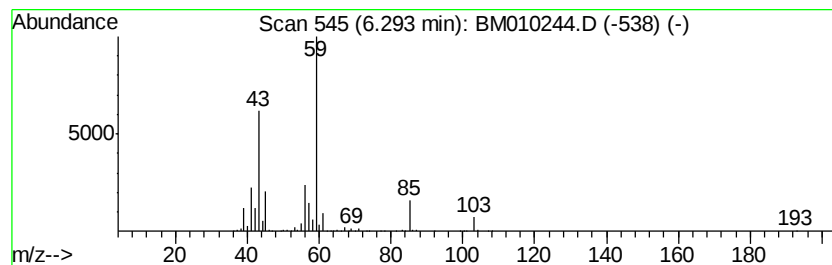
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexylene Glycol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	31.54 ng	1275970	1,4-Dichlorobenzene-d4	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexylene Glycol	118	C6H14O2	000107-41-5	83
2		Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	72
3		dl-Erythro-O-methylthreonine	133	C5H11NO3	1000214-70-7	50
4		Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	50
5		2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	50



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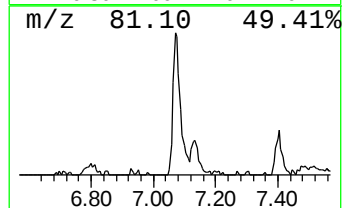
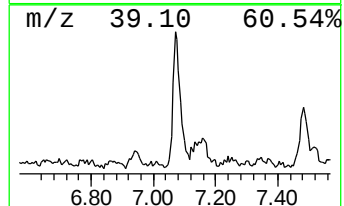
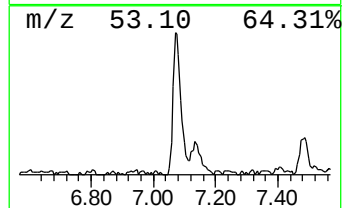
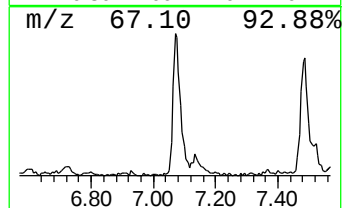
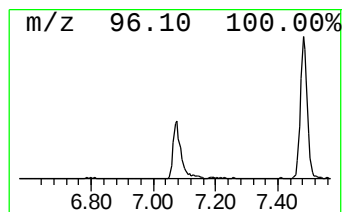
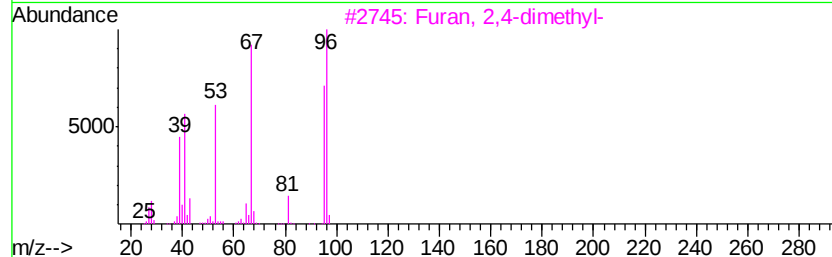
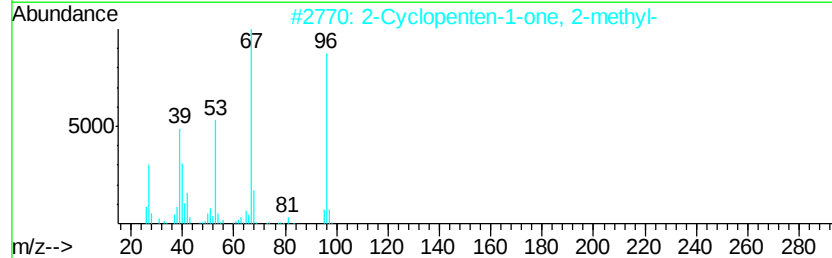
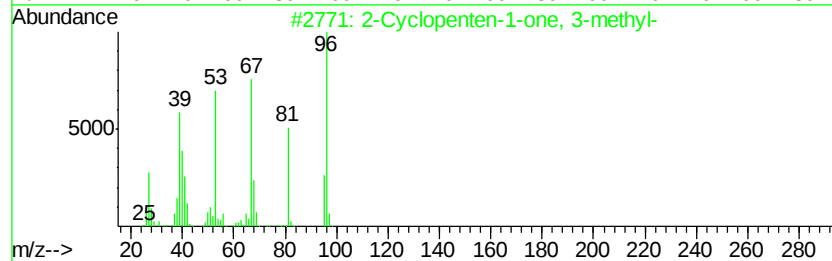
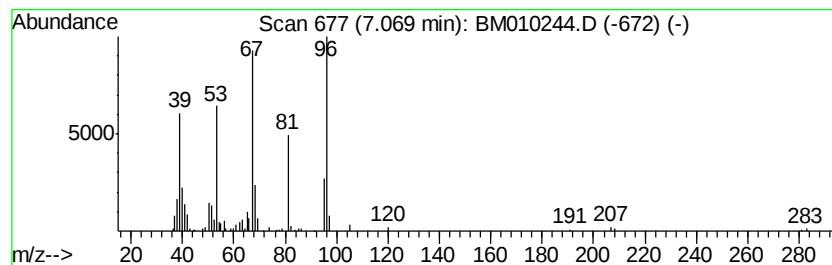
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2-Cyclopenten-1-one, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	8.89 ng	359617	1,4-Dichlorobenzene-d4	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Cyclopenten-1-one, 3-methyl-	96	C6H8O	002758-18-1	93
2		2-Cyclopenten-1-one, 2-methyl-	96	C6H8O	001120-73-6	90
3		Furan, 2,4-dimethyl-	96	C6H8O	003710-43-8	87
4		Bicyclo[2.1.0]pentane	68	C5H8	000185-94-4	62
5		2H-Pyran-2-one, 4,6-dimethyl-	124	C7H8O2	000675-09-2	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DRUM-1-DRUM-2-COMP

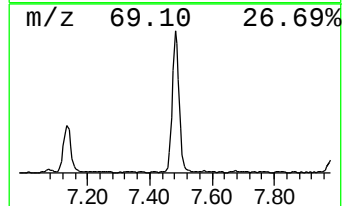
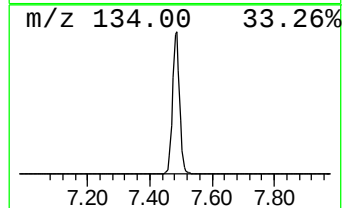
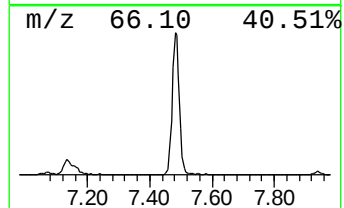
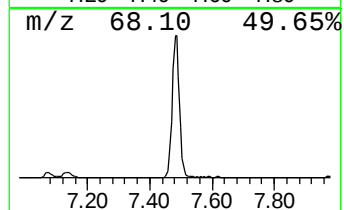
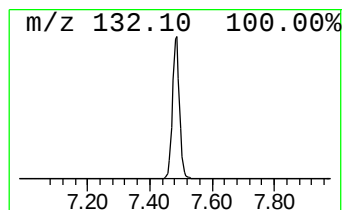
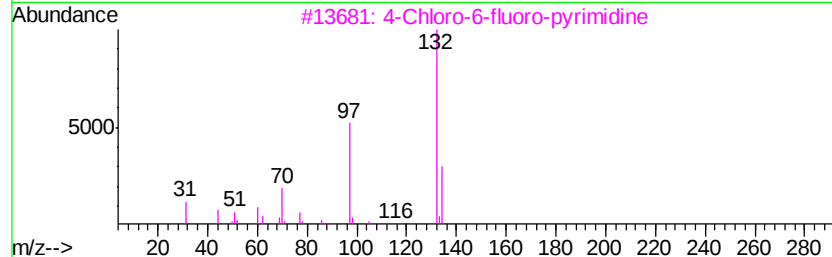
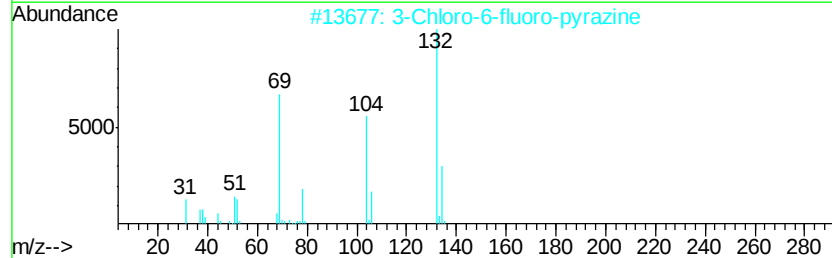
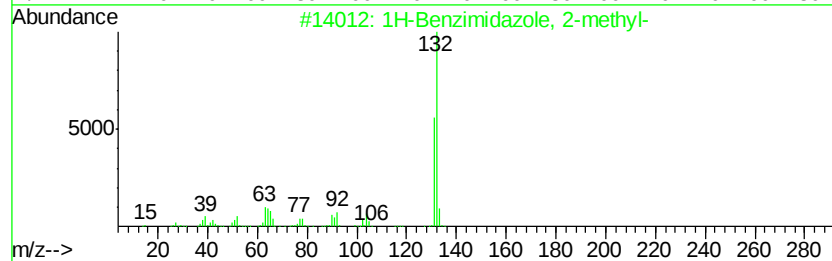
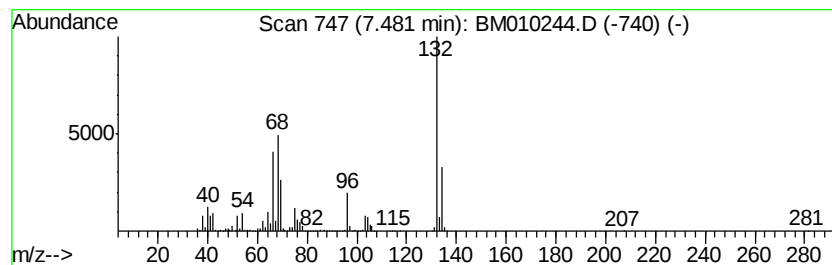
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown7.48 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	81.45 ng	3295500	1,4-Dichlorobenzene-d4	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
3		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
4		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12
5		3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	10



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
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Instrument :
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ClientSampleId :
DRUM-1-DRUM-2-COMP

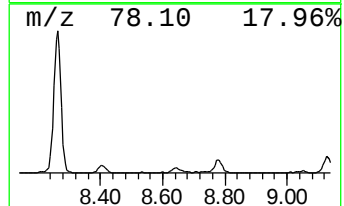
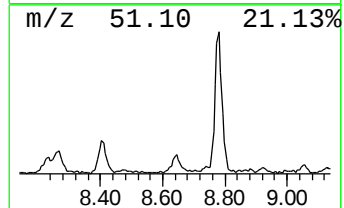
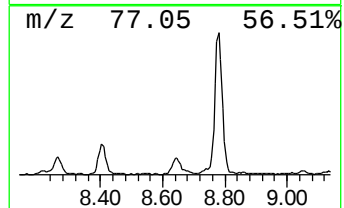
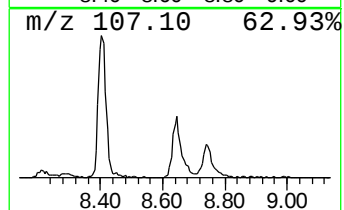
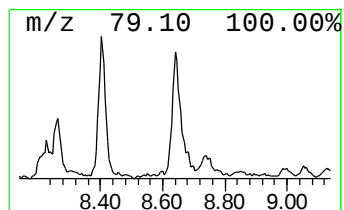
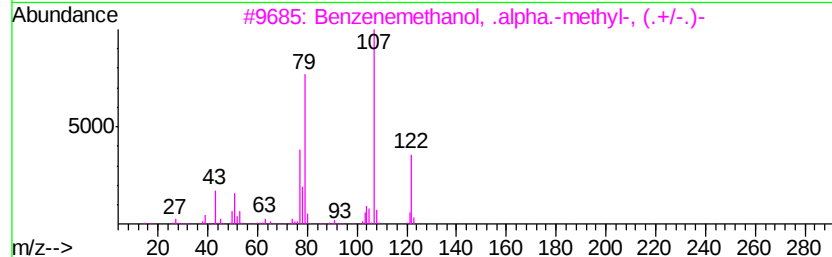
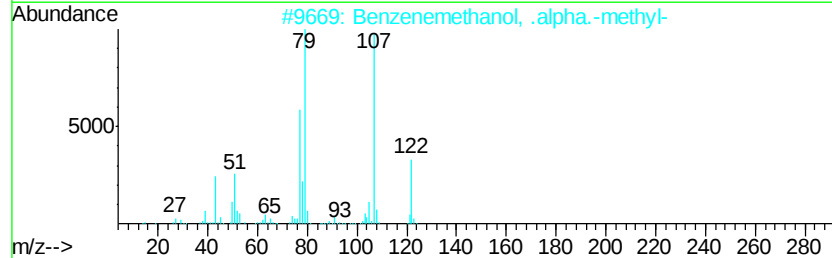
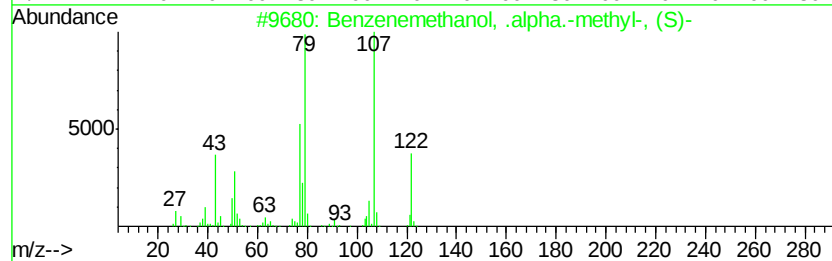
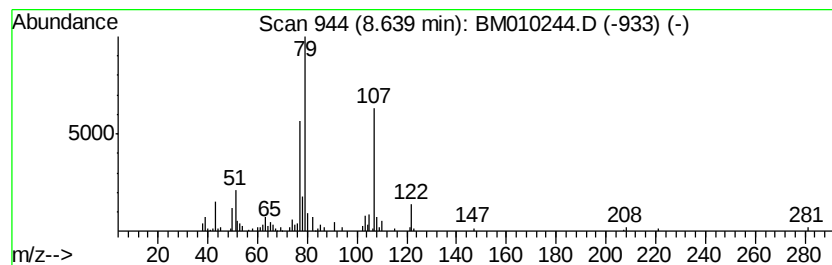
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzenemethanol, .alpha.-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	6.52 ng	263861	1,4-Dichlorobenzene-d4	7.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzenemethanol, .alpha.-methyl-...	122	C8H10O	001445-91-6	95
2			Benzenemethanol, .alpha.-methyl-	122	C8H10O	000098-85-1	95
3			Benzenemethanol, .alpha.-methyl-...	122	C8H10O	013323-81-4	91
4			Benzenemethanol, 2-methyl-	122	C8H10O	000089-95-2	90
5			Methyl mandelate	166	C9H10O3	004358-87-6	78



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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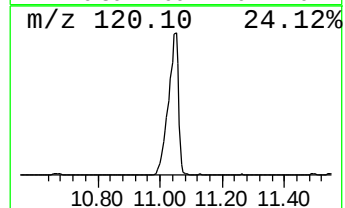
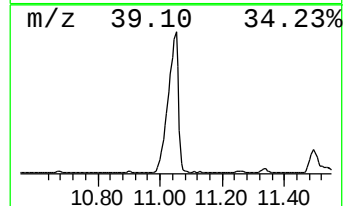
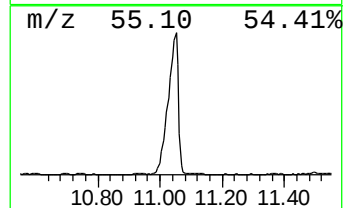
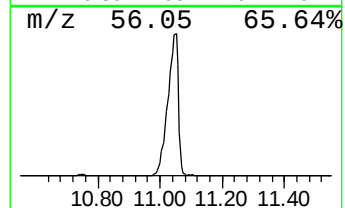
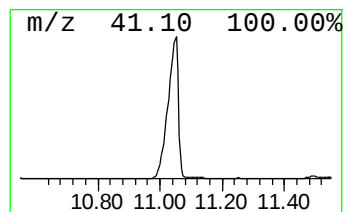
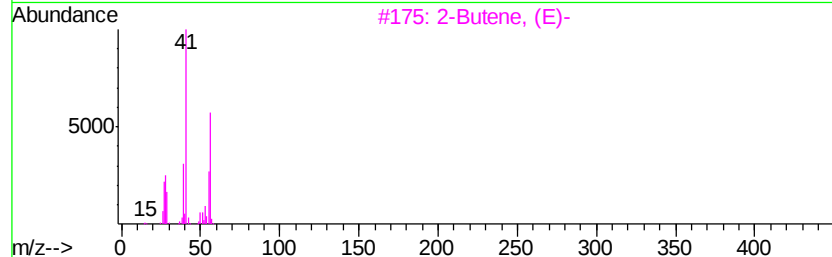
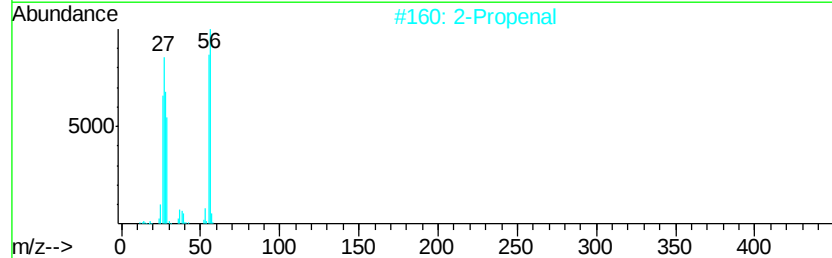
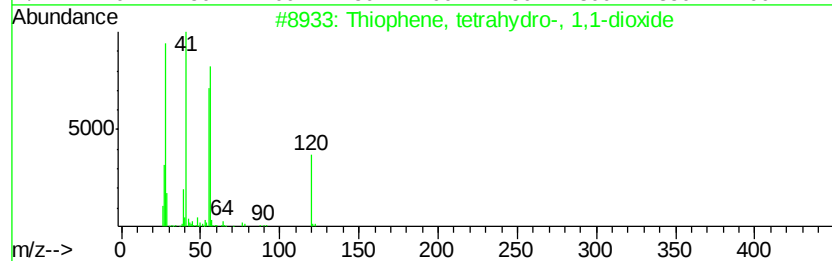
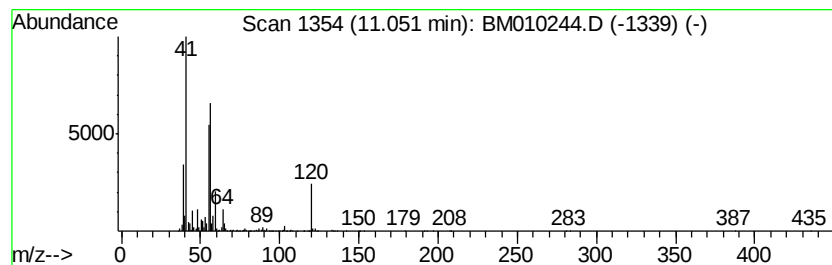
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown11.05 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	132.87 ng	6523730	Naphthalene-d8	10.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, tetrahydro-, 1,1-dioxide	120	C4H8O2S	000126-33-0	49
2		2-Propenal	56	C3H4O	000107-02-8	27
3		2-Butene, (E)-	56	C4H8	000624-64-6	25
4		1-Butene	56	C4H8	000106-98-9	25
5		1-Propene, 2-methyl-	56	C4H8	000115-11-7	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DRUM-1-DRUM-2-COMP

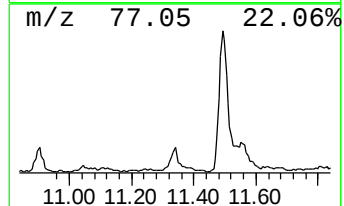
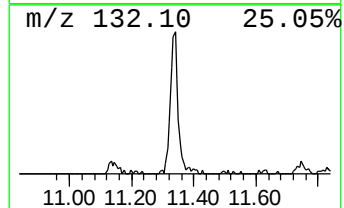
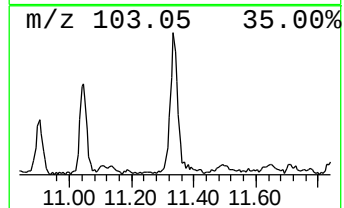
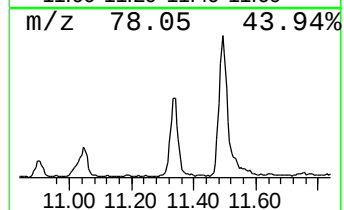
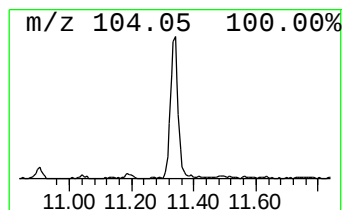
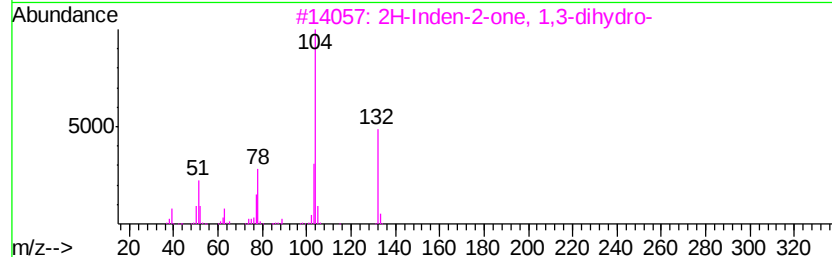
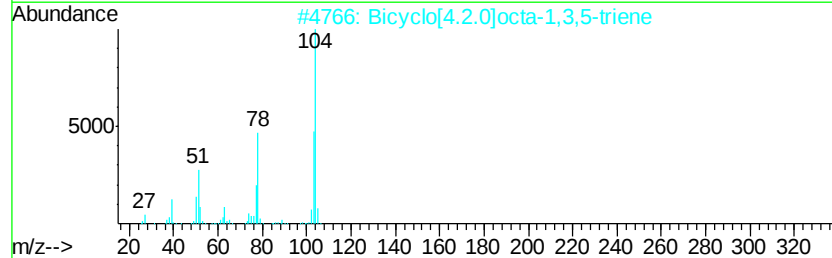
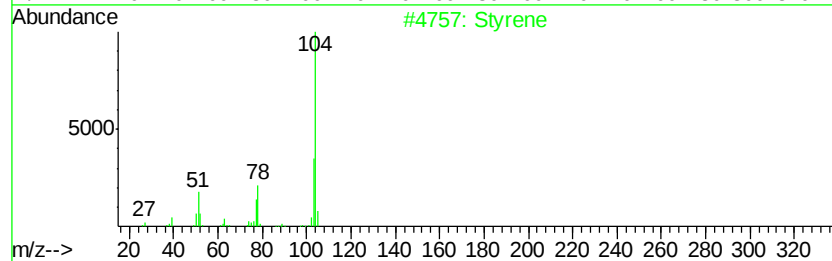
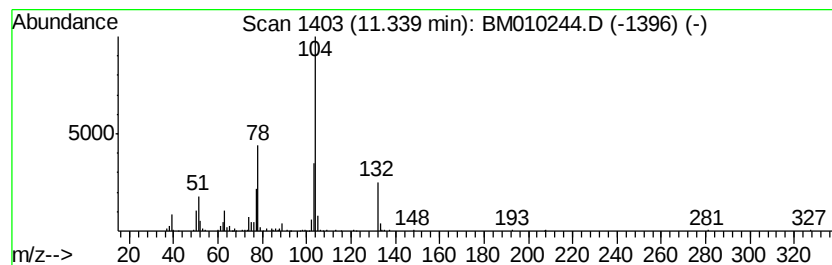
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Styrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	7.80 ng	383040	Naphthalene-d8	10.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Styrene	104	C8H8	000100-42-5	91
2		Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	90
3		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	87
4		1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	74
5		Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DRUM-1-DRUM-2-COMP

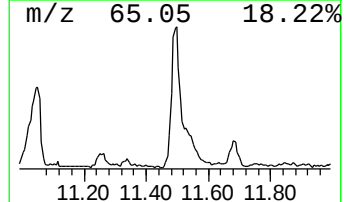
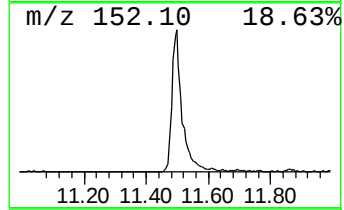
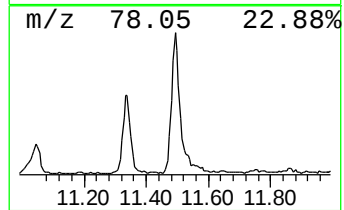
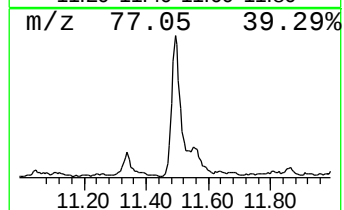
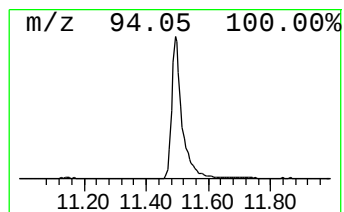
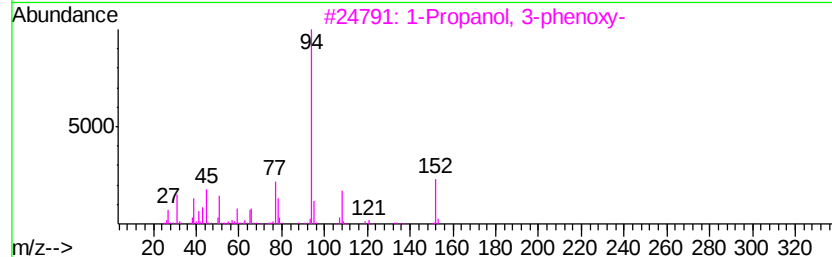
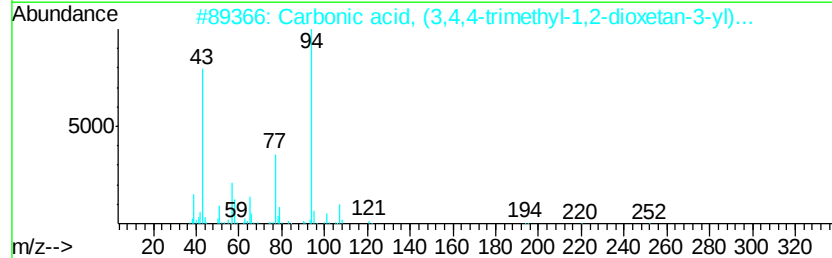
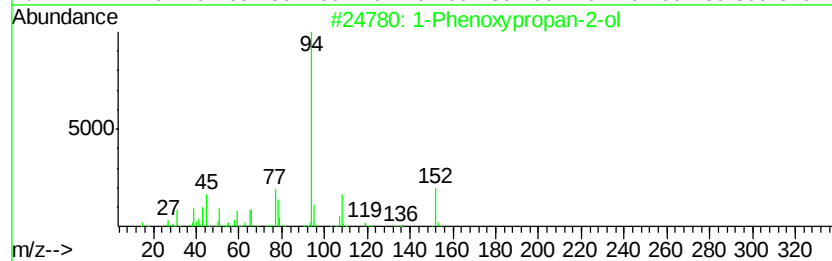
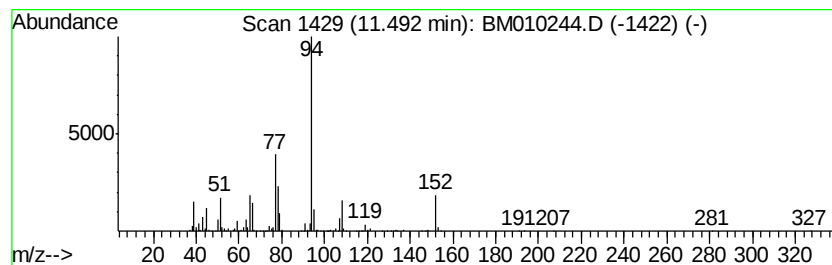
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Phenoxypropan-2-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	46.31 ng	2273980	Naphthalene-d8	10.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenoxypropan-2-ol	152	C9H12O2	000770-35-4	81
2		Carbonic acid, (3,4,4-trimethyl-...	252	C13H16O5	109123-69-5	59
3		1-Propanol, 3-phenoxy-	152	C9H12O2	006180-61-6	59
4		Ethanol, 2-phenoxy-	138	C8H10O2	000122-99-6	50
5		1-Propanol, 2-phenoxy-	152	C9H12O2	004169-04-4	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
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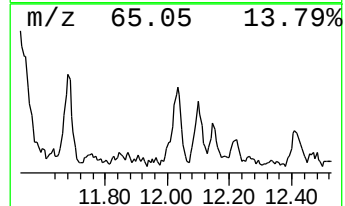
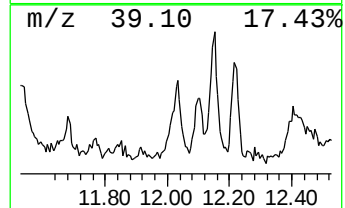
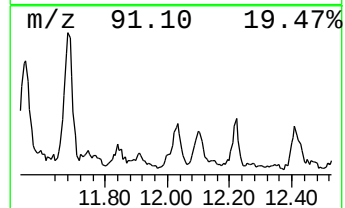
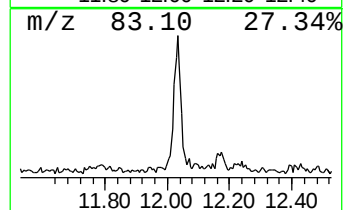
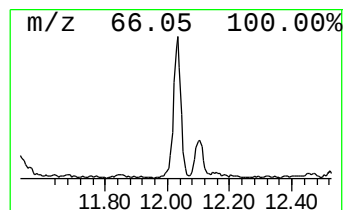
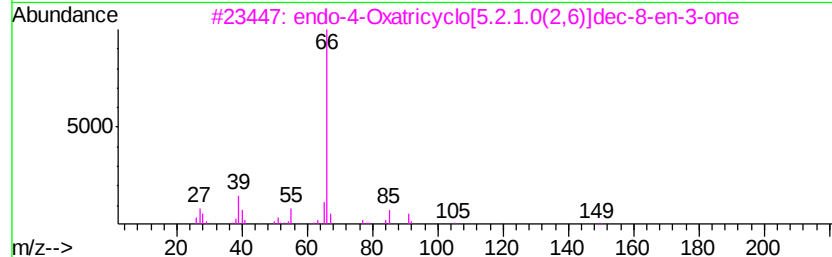
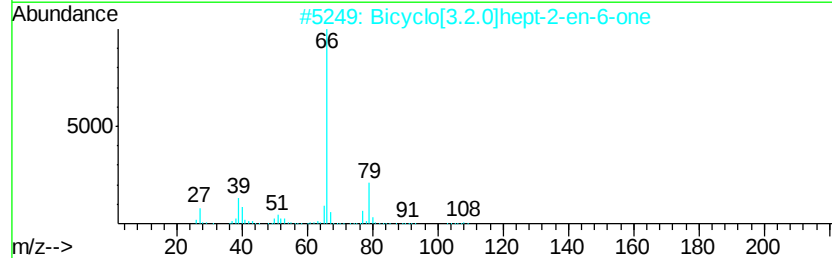
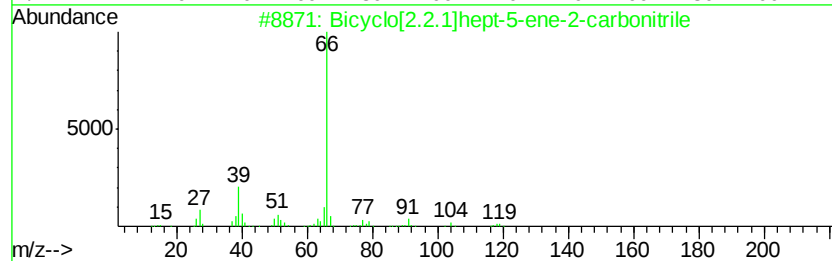
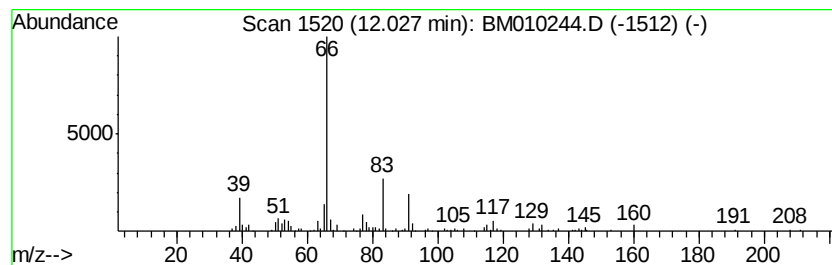
Instrument :
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ClientSampleId :
DRUM-1-DRUM-2-COMP

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Bicyclo[2.2.1]hept-5-ene-2-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.77 ng	332172	Naphthalene-d8	10.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Bicyclo[2.2.1]hept-5-ene-2-carbo...	119 C8H9N	000095-11-4	86
2	Bicyclo[3.2.0]hept-2-en-6-one	108 C7H8O	013173-09-6	86
3	endo-4-Oxatricyclo[5.2.1.0(2,6)]...	150 C9H10O2	095340-93-5	78
4	Bicyclo[2.2.1]hept-5-en-2-ol	110 C7H10O	013080-90-5	78
5	2-Acetyl-5-norbornene	136 C9H12O	005063-03-6	78



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DRUM-1-DRUM-2-COMP

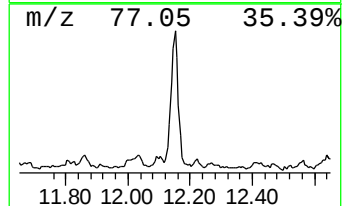
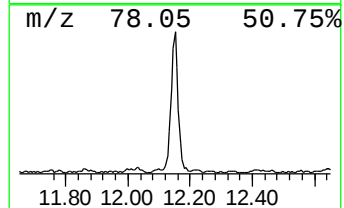
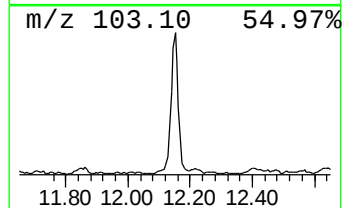
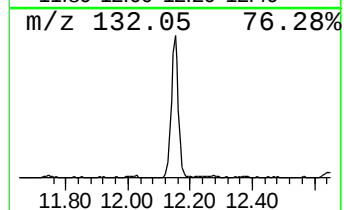
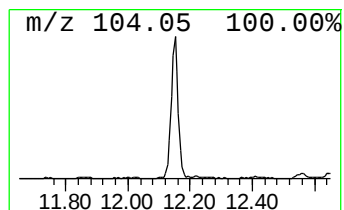
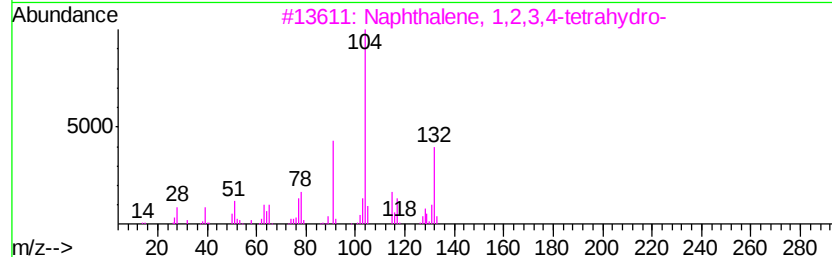
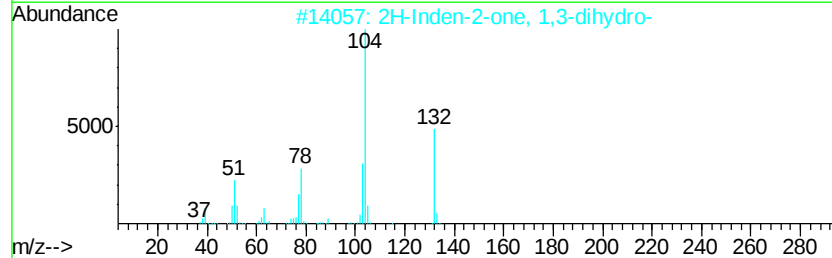
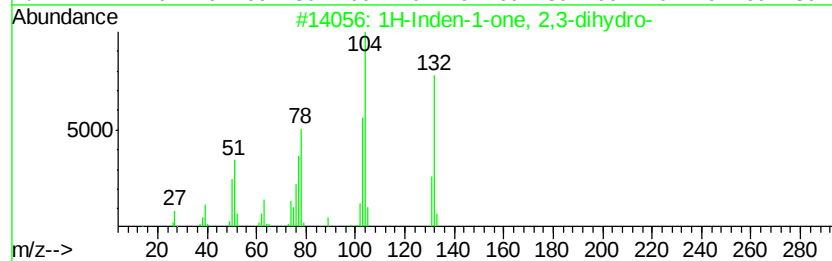
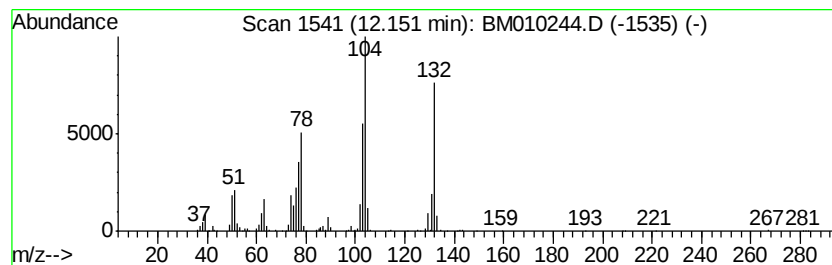
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	29.19 ng	1433170	Naphthalene-d8	10.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	95
2		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
4		Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	49
5		1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
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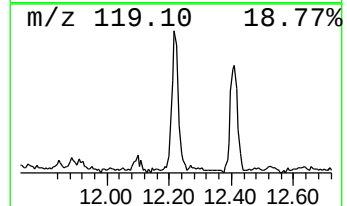
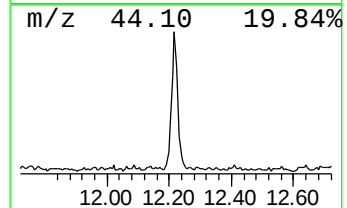
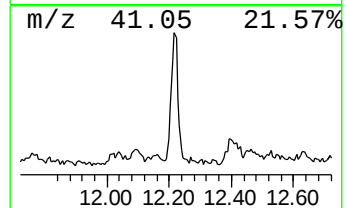
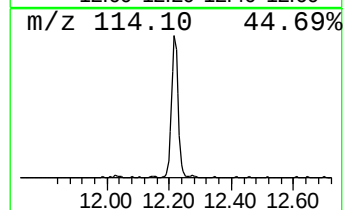
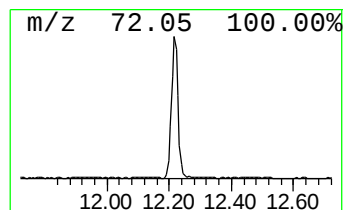
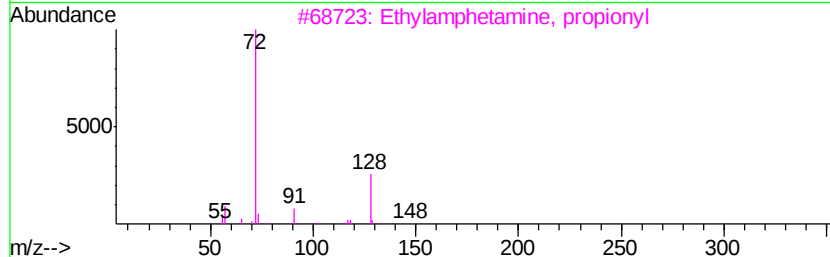
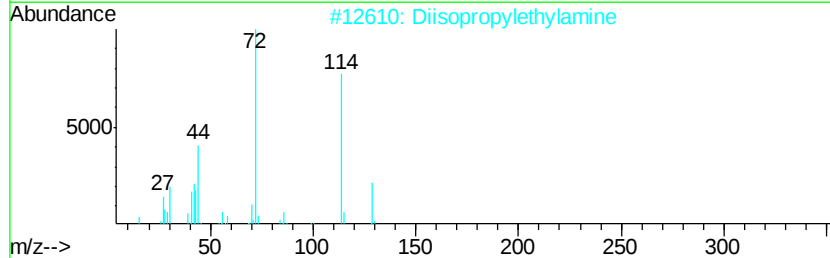
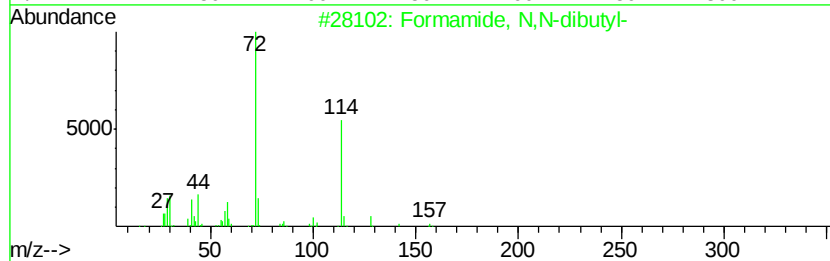
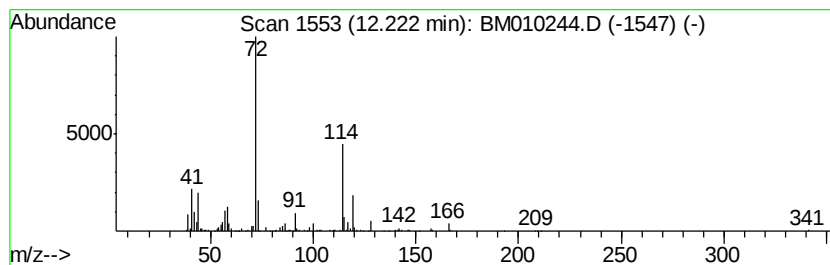
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Formamide, N,N-dibutyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	12.71 ng	624024	Naphthalene-d8	10.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Formamide, N,N-dibutyl-	157 C9H19NO	000761-65-9 93
2		Diisopropylethylamine	129 C8H19N	007087-68-5 59
3		Ethylamphetamine, propionyl	219 C14H21NO	1000123-80-9 43
4		1-Butanamine, N-ethyl-N-methyl-	115 C7H17N	066225-40-9 43
5		N-Isopropylethylenediamine	102 C5H14N2	019522-67-9 43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
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Sample : I3340-13
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ClientSampleId :
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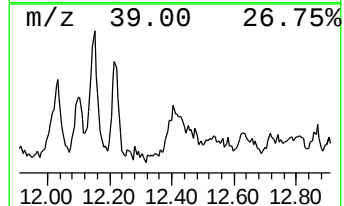
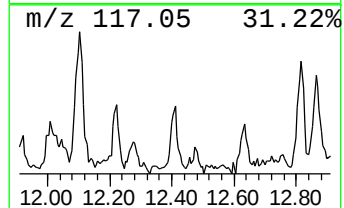
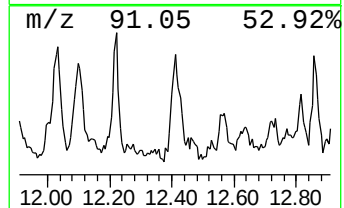
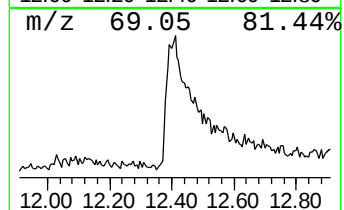
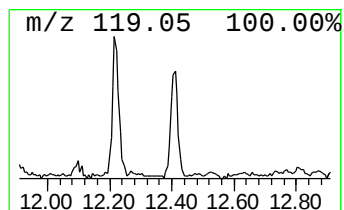
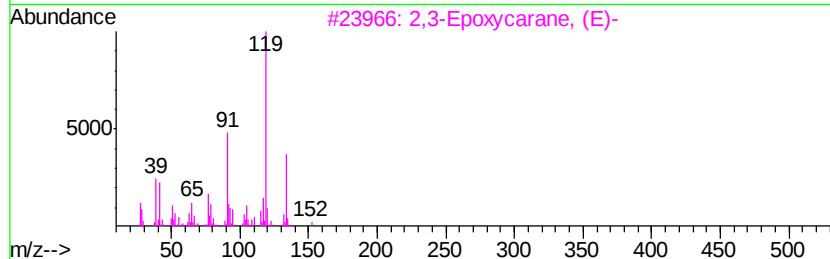
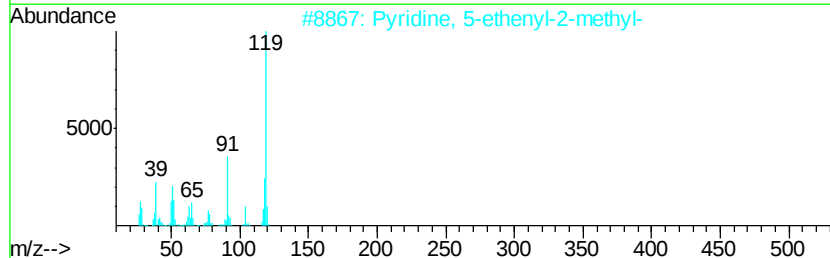
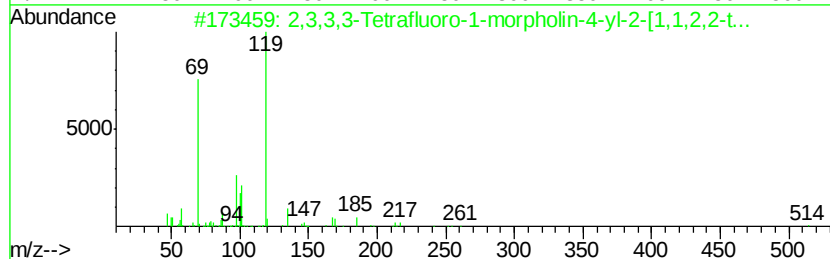
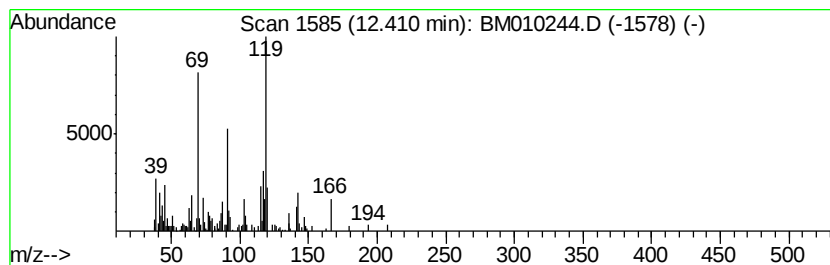
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.41 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	6.49 ng	318900	Naphthalene-d8	10.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3,3-Tetrafluoro-1-morpholin-...	647	C14H8F19N06	1000283-99-8	47
2		Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	22
3		2,3-Epoxy-carane, (E)-	152	C10H16O	020053-58-1	22
4		Aziridine, 1-phenyl-	119	C8H9N	000696-18-4	22
5		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
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Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
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Instrument :
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ClientSampleId :
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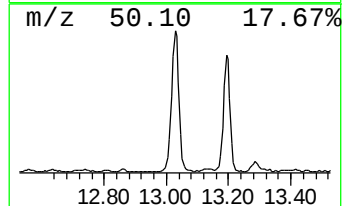
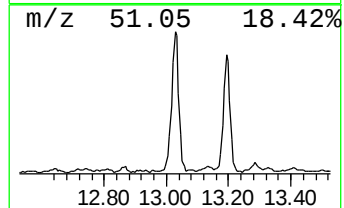
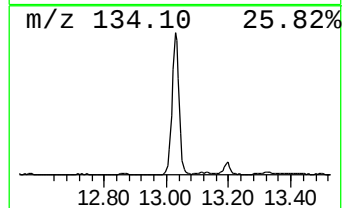
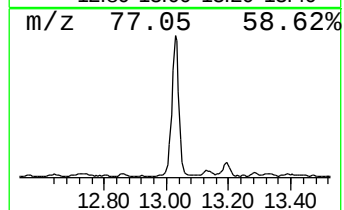
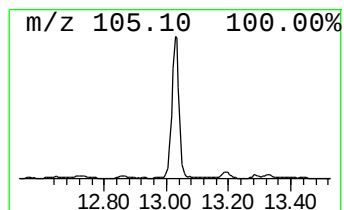
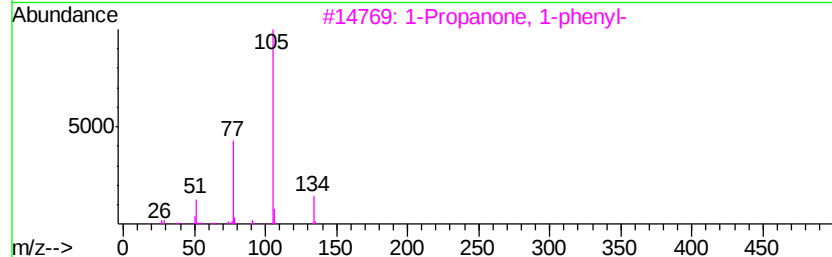
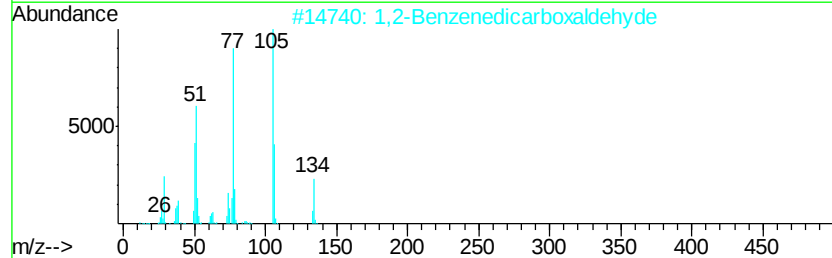
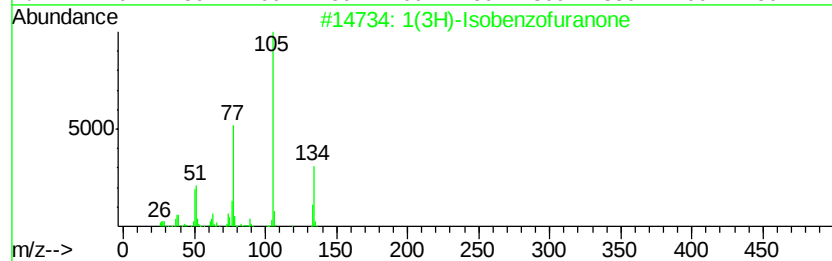
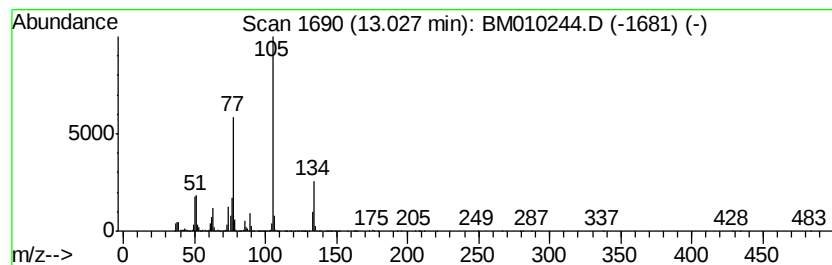
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1(3H)-Isobenzofuranone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	33.82 ng	2678670	Acenaphthene-d10	14.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	93
2		1,2-Benzenedicarboxaldehyde	134	C8H6O2	000643-79-8	59
3		1-Propanone, 1-phenyl-	134	C9H10O	000093-55-0	50
4		Benzoyl bromide	184	C7H5BrO	000618-32-6	49
5		1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
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ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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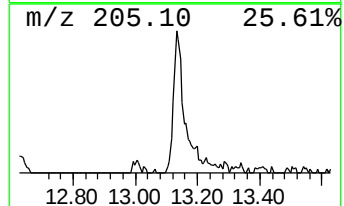
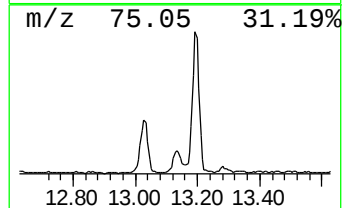
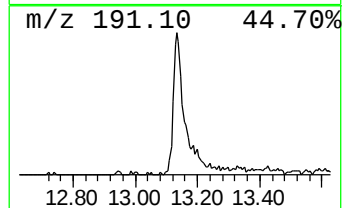
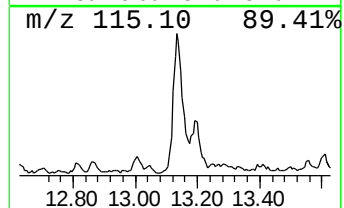
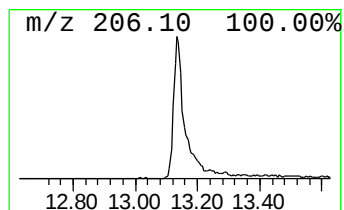
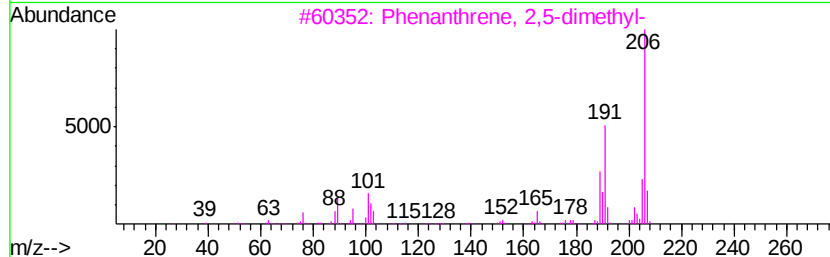
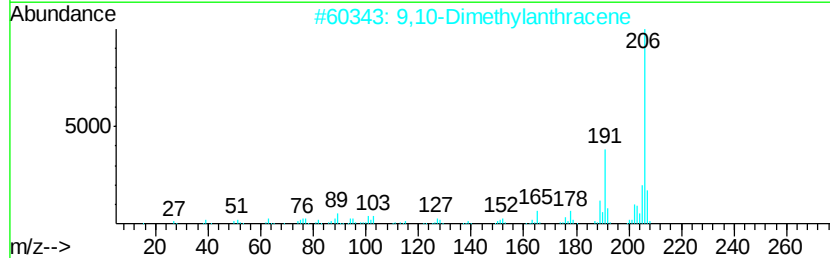
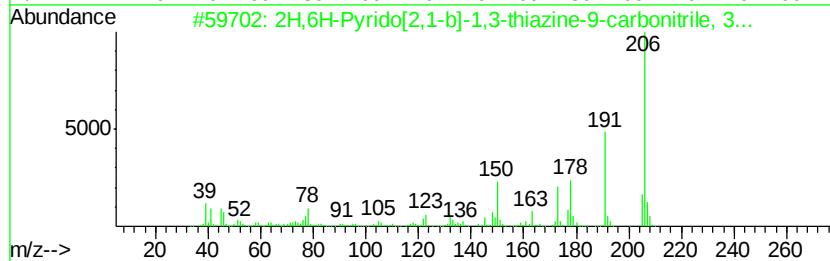
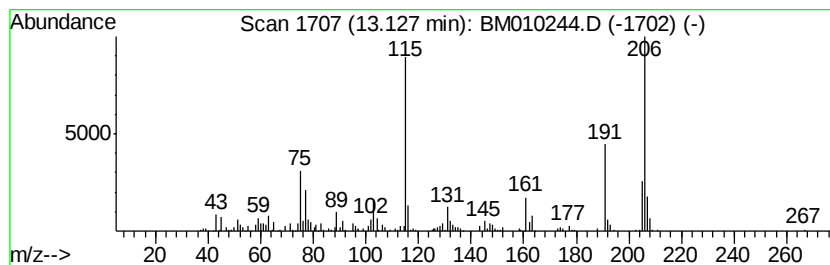
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown13.13 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	6.90 ng	546796	Acenaphthene-d10	14.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2H,6H-Pyrido[2,1-b]-1,3-thiazine...	206	C10H10N2OS	1000277-29-6	49
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	46
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
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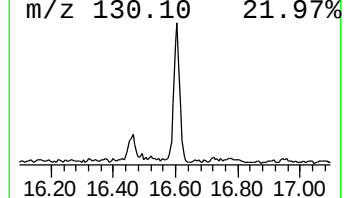
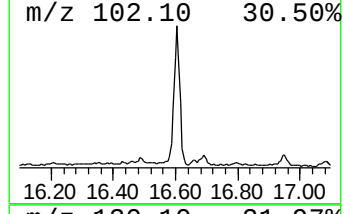
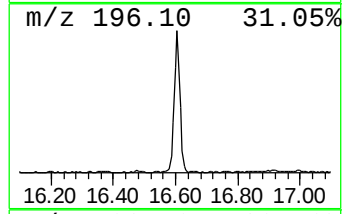
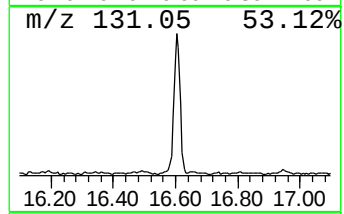
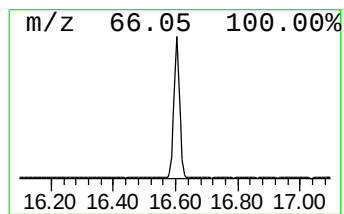
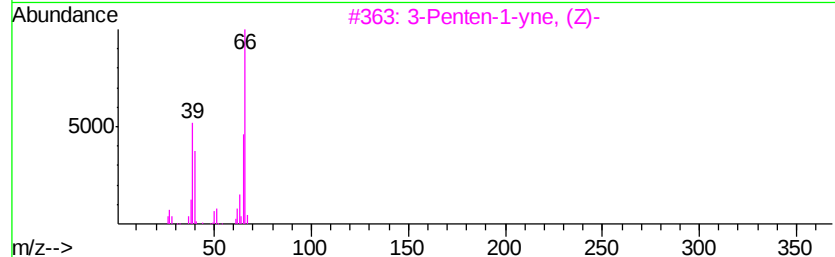
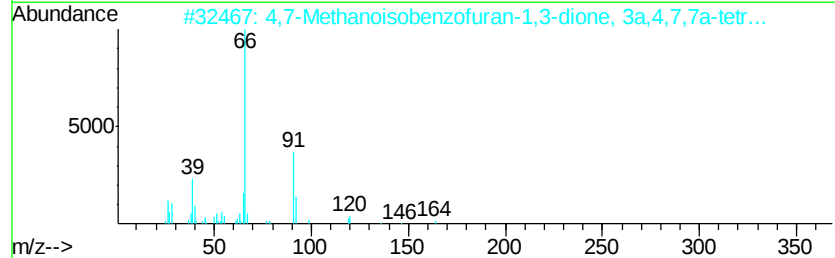
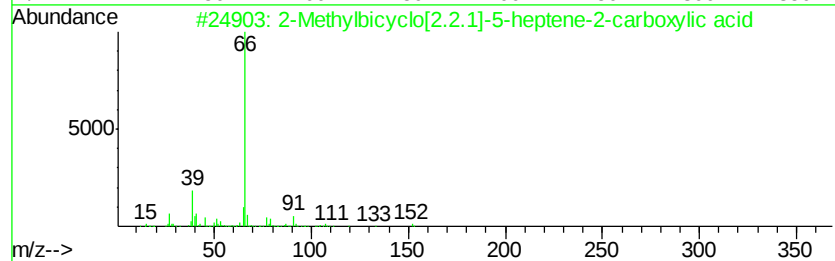
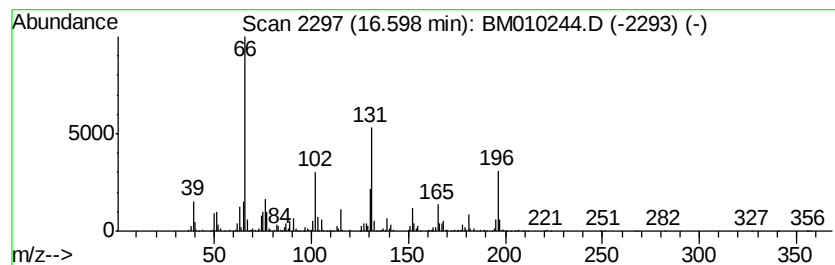
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Methylbicyclo[2.2.1]-5-he... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	14.54 ng	1591050	Phenanthrene-d10	17.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylbicyclo[2.2.1]-5-heptene...	152	C9H12O2	000825-03-6	53
2		4,7-Methanoisobenzofuran-1,3-dio...	164	C9H8O3	000826-62-0	53
3		3-Penten-1-yne, (Z)-	66	C5H6	001574-40-9	53
4		The first isomer tricyclopentadiene	198	C15H18	1000222-21-0	53
5		(3a.alpha.,4.alpha.,7.alpha.,7a....	164	C9H8O3	000129-64-6	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
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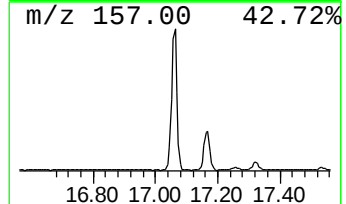
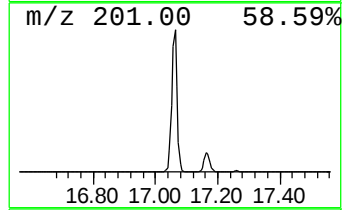
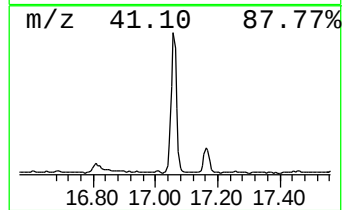
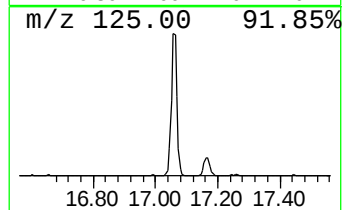
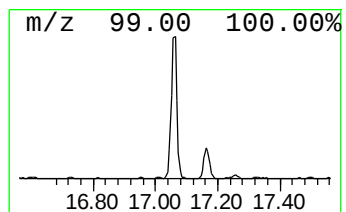
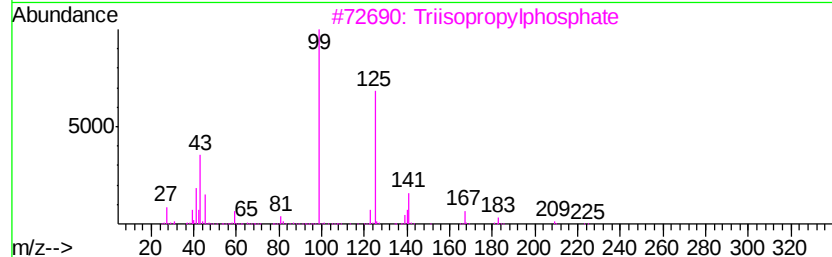
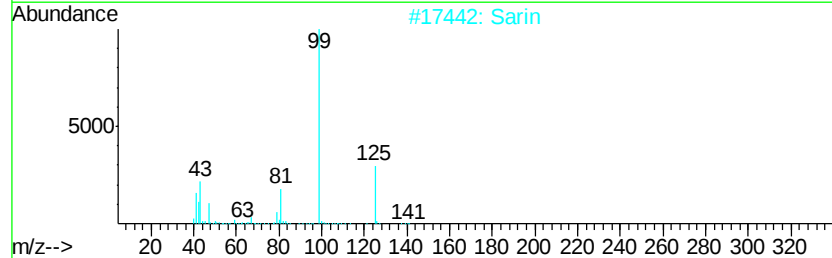
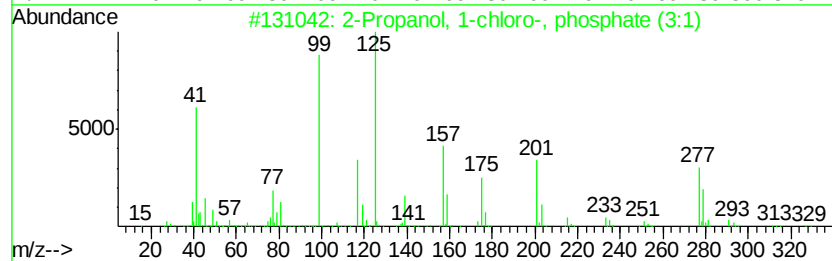
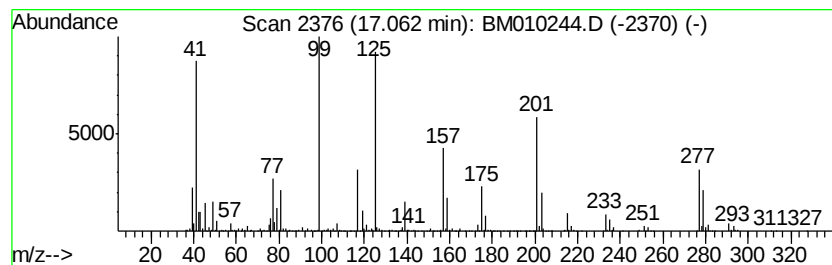
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2-Propanol, 1-chloro-, phos... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	28.83 ng	3155550	Phenanthrene-d10	17.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	93
2		Sarin	140	C4H10F02P	000107-44-8	35
3		Triisopropylphosphate	224	C9H21O4P	000513-02-0	25
4		Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	25
5		Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	14



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DRUM-1-DRUM-2-COMP

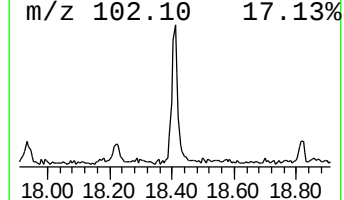
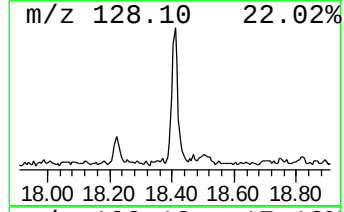
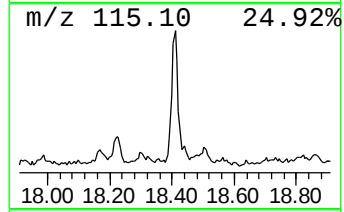
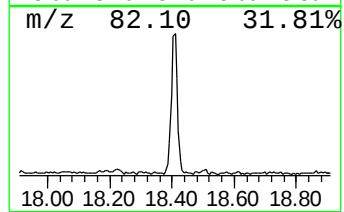
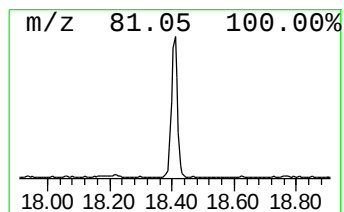
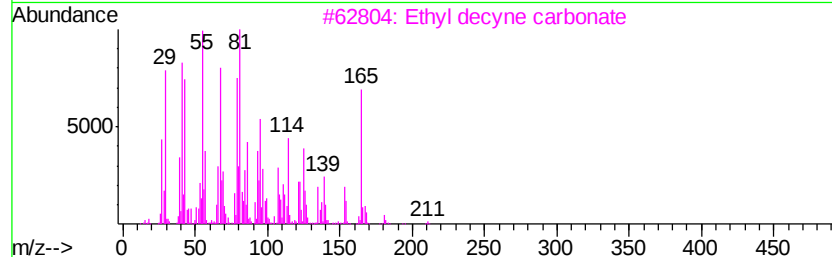
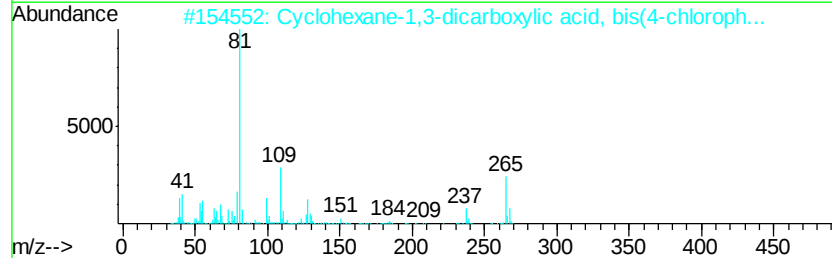
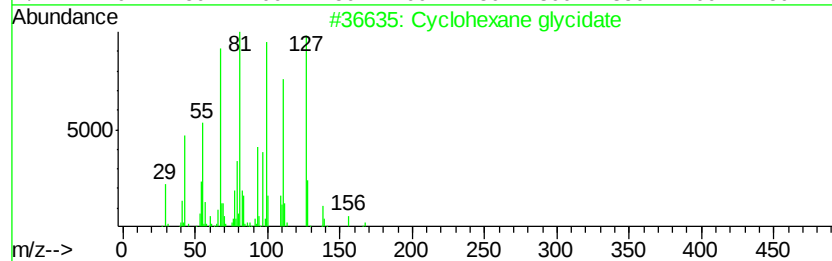
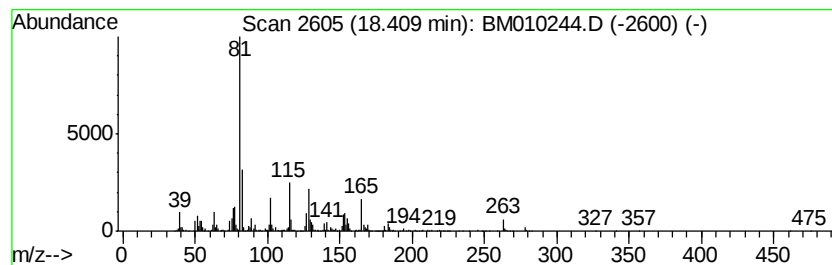
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown18.41 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	11.12 ng	1217300	Phenanthrene-d10	17.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane glycidate	170	C9H14O3	208524-95-2	38
2		Cyclohexane-1,3-dicarboxylic aci...	392	C20H18Cl2O4	313523-43-2	23
3		Ethyl decyne carbonate	210	C13H22O2	010519-17-2	17
4		Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	17
5		Cyclohexane, 1,3-dichloro-, cis-	152	C6H10Cl2	024955-63-3	17



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010244.D
Acq On : 26 May 2017 07:22
Operator : SJ/MA
Sample : I3340-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

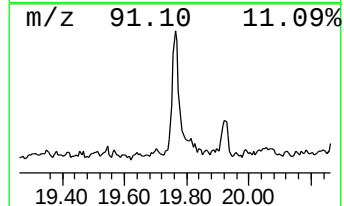
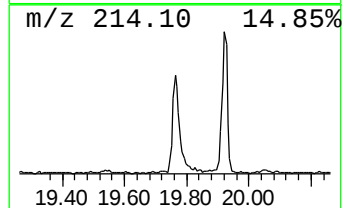
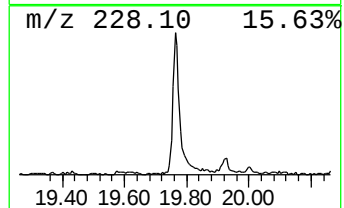
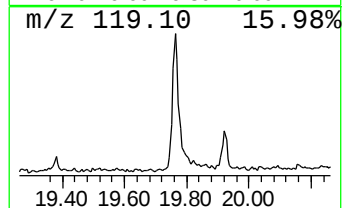
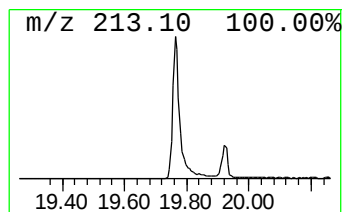
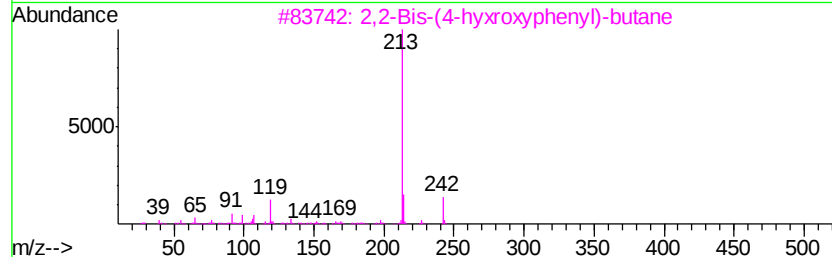
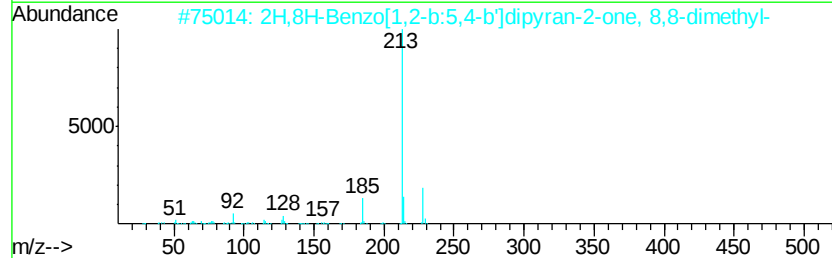
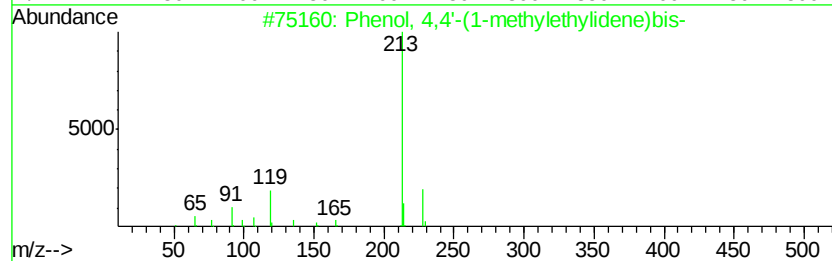
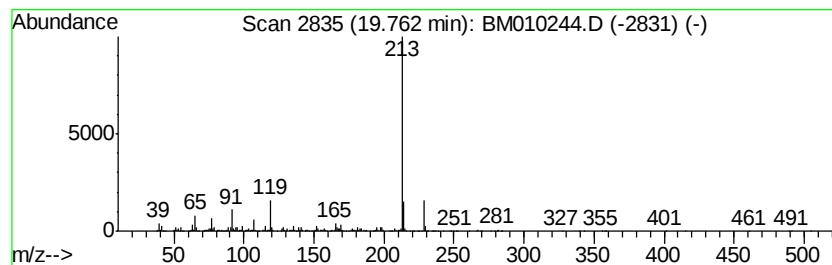
Instrument :
BNA_M
ClientSampleId :
DRUM-1-DRUM-2-COMP

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenol, 4,4'-(1-methylethyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.76	7.61 ng	1092810	Chrysene-d12	21.48		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	93
2		2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	59
3		2,2-Bis-(4-hyxrxyphenyl)-butane	242	C16H18O2	000077-40-7	56
4		Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	52
5		Carbamic acid, [1,1'-biphenyl]-3...	213	C13H11NO2	055030-29-0	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
 Data File : BM010244.D
 Acq On : 26 May 2017 07:22
 Operator : SJ/MA
 Sample : I3340-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DRUM-1-DRUM-2-COMP

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Thiophene, tetrahydro...	4.70	12.9	ng	520704	1	7.94	809199	20.0
2-Pentanone, 4-hydroxy...	5.06	22.6	ng	913370	1	7.94	809199	20.0
Hexylene Glycol	6.29	31.5	ng	1275970	1	7.94	809199	20.0
2-Cyclopenten-1-ol...	7.07	8.9	ng	359617	1	7.94	809199	20.0
unknown7.48	7.48	81.5	ng	3295500	1	7.94	809199	20.0
Benzenemethanol, ...	8.64	6.5	ng	263861	1	7.94	809199	20.0
unknown11.05	11.05	132.9	ng	6523730	2	10.75	982006	20.0
Styrene	11.34	7.8	ng	383040	2	10.75	982006	20.0
1-Phenoxypropan-2-ol	11.49	46.3	ng	2273980	2	10.75	982006	20.0
Bicyclo[2.2.1]hept...	12.03	6.8	ng	332172	2	10.75	982006	20.0
1H-Inden-1-one, 2...	12.15	29.2	ng	1433170	2	10.75	982006	20.0
Formamide, N,N-di...	12.22	12.7	ng	624024	2	10.75	982006	20.0
unknown12.41	12.41	6.5	ng	318900	2	10.75	982006	20.0
1(3H)-Isobenzofur...	13.03	33.8	ng	2678670	3	14.57	1584100	20.0
unknown13.13	13.13	6.9	ng	546796	3	14.57	1584100	20.0
2-Methylbicyclo[2...	16.60	14.5	ng	1591050	4	17.32	2188910	20.0
2-Propanol, 1-chloro...	17.06	28.8	ng	3155550	4	17.32	2188910	20.0
unknown18.41	18.41	11.1	ng	1217300	4	17.32	2188910	20.0
Phenol, 4,4'-(1-methoxy...	19.76	7.6	ng	1092810	5	21.48	2873370	20.0