

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
 Data File : BM018272.D
 Acq On : 18 Dec 2018 15:46
 Operator : JU/SJ
 Sample : J6440-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-4

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.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	3.746	135	146	150	rBV	90986	221145	3.08%	0.371%
2	4.681	300	305	311	rBV	207455	285471	3.97%	0.480%
3	5.051	360	368	372	rBV	41796	72365	1.01%	0.122%
4	5.122	374	380	394	rVB	2033757	2891980	40.24%	4.858%
5	5.875	503	508	515	rBV	241090	363269	5.05%	0.610%
6	5.951	515	521	527	rVB2	49000	95419	1.33%	0.160%
7	6.051	533	538	554	rBV	252670	452635	6.30%	0.760%
8	6.575	615	627	631	rBV2	64808	159898	2.22%	0.269%
9	6.692	638	647	659	rVB	1714994	2668732	37.13%	4.483%
10	7.028	697	704	716	rBV	2641682	4126352	57.42%	6.931%
11	7.486	770	782	789	rBV	566040	917328	12.76%	1.541%
12	7.557	789	794	808	rVB	327732	521723	7.26%	0.876%
13	7.798	823	835	844	rBV	1949049	3239039	45.07%	5.441%
14	8.281	911	917	931	rVB3	76148	183217	2.55%	0.308%
15	8.586	960	969	973	rBV2	237782	399753	5.56%	0.672%
16	8.645	973	979	993	rVB	1517395	2538209	35.32%	4.264%
17	8.863	998	1016	1021	rBV2	405440	1267905	17.64%	2.130%
18	8.992	1033	1038	1051	rVB4	36045	80655	1.12%	0.135%
19	9.633	1142	1147	1158	rVB4	61267	116373	1.62%	0.195%
20	10.057	1212	1219	1226	rBV	1462566	2308825	32.13%	3.878%
21	10.251	1246	1252	1259	rBV	699297	1134473	15.79%	1.906%
22	10.492	1285	1293	1302	rVB	375813	665350	9.26%	1.118%
23	10.780	1336	1342	1351	rBV5	37172	83337	1.16%	0.140%
24	11.016	1375	1382	1389	rBV2	34441	75240	1.05%	0.126%
25	11.504	1459	1465	1475	rVB	114822	214031	2.98%	0.360%
26	11.622	1478	1485	1488	rBV	51860	83901	1.17%	0.141%
27	11.663	1488	1492	1500	rVB	207975	355666	4.95%	0.597%
28	12.563	1637	1645	1655	rBV8	27034	89692	1.25%	0.151%
29	12.751	1670	1677	1685	rBV	3787627	5517524	76.77%	9.268%
30	13.098	1728	1736	1748	rVB7	54520	168043	2.34%	0.282%
31	13.621	1817	1825	1830	rBV	279743	423803	5.90%	0.712%
32	14.145	1907	1914	1923	rVB2	873397	1358063	18.90%	2.281%
33	14.380	1948	1954	1961	rBV	122343	180635	2.51%	0.303%
34	15.115	2074	2079	2088	rBV2	32099	72038	1.00%	0.121%

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35	15.657	2164	2171	2179	rBV	2455389	3619952	50.37%	6.081%
36	15.792	2188	2194	2198	rBV3	37535	78599	1.09%	0.132%
37	15.880	2205	2209	2225	rVB	143832	336485	4.68%	0.565%
38	16.080	2236	2243	2256	rVB	42312	91844	1.28%	0.154%
39	16.186	2256	2261	2267	rBV	172473	260888	3.63%	0.438%
40	16.539	2316	2321	2325	rBV	67070	87183	1.21%	0.146%
41	16.662	2337	2342	2349	rBV	93740	139469	1.94%	0.234%
42	16.909	2378	2384	2397	rBV2	883641	1304511	18.15%	2.191%
43	17.821	2534	2539	2542	rBV3	83608	121160	1.69%	0.204%
44	18.580	2663	2668	2682	rBV	1222293	1776623	24.72%	2.984%
45	19.056	2744	2749	2755	rVB	439546	477843	6.65%	0.803%
46	19.121	2756	2760	2768	rVB4	61126	89379	1.24%	0.150%
47	19.527	2821	2829	2830	rBV2	61449	103518	1.44%	0.174%
48	19.562	2830	2835	2841	rVB	3991090	5053217	70.31%	8.488%
49	20.139	2928	2933	2942	rBV	633665	819307	11.40%	1.376%
50	20.221	2944	2947	2950	rVV2	106955	135287	1.88%	0.227%
51	20.844	3048	3053	3059	rVB4	111217	189319	2.63%	0.318%
52	21.133	3097	3102	3110	rBV	892488	1248195	17.37%	2.097%
53	21.380	3139	3144	3151	rBV	1082058	1299744	18.09%	2.183%
54	21.980	3242	3246	3251	rVB2	138130	195123	2.72%	0.328%
55	22.238	3285	3290	3302	rBV	5759526	7186688	100.00%	12.072%
56	22.644	3356	3359	3365	rVB3	83120	107516	1.50%	0.181%
57	23.291	3463	3469	3483	rVB	780475	1476574	20.55%	2.480%

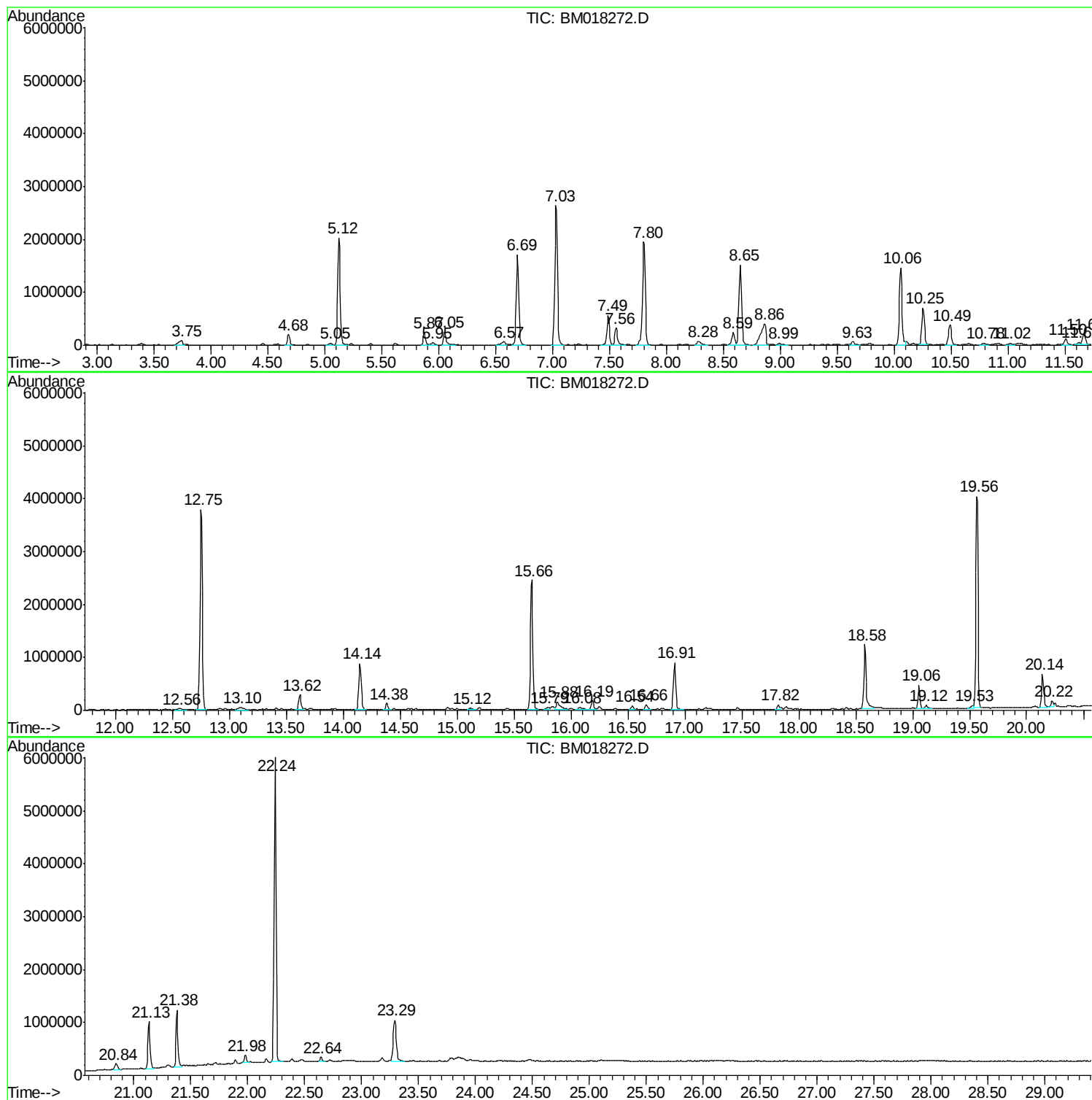
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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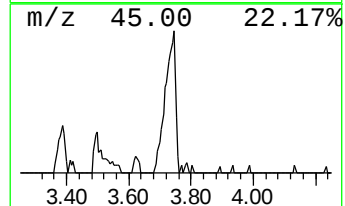
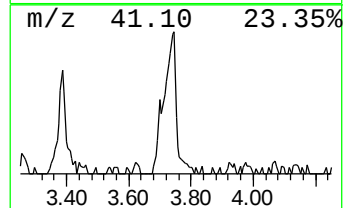
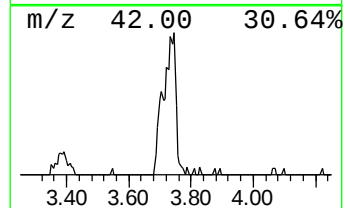
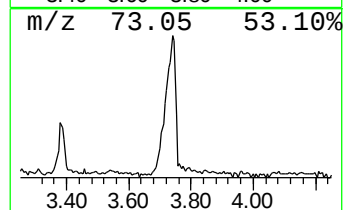
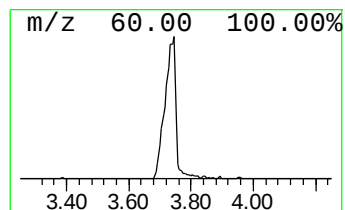
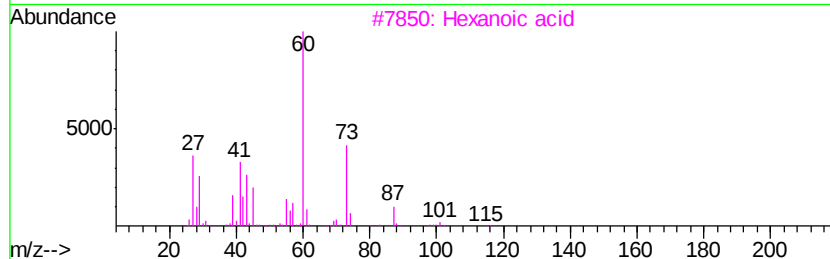
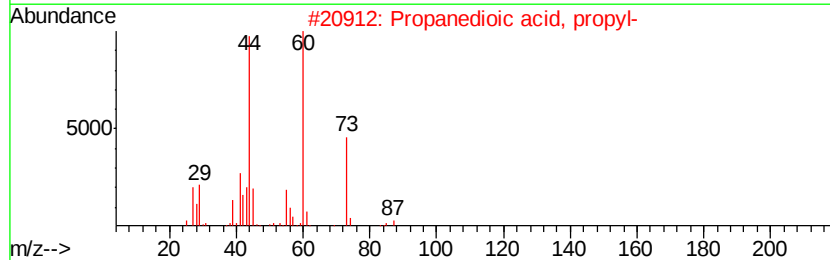
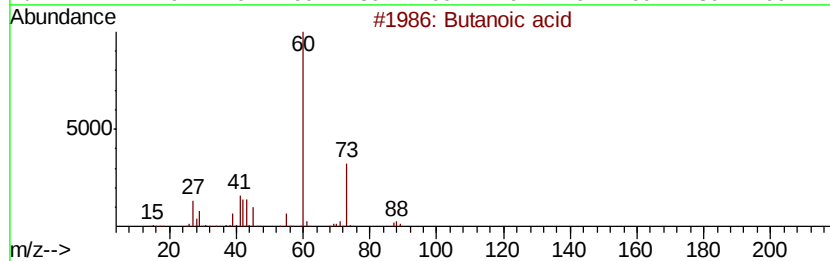
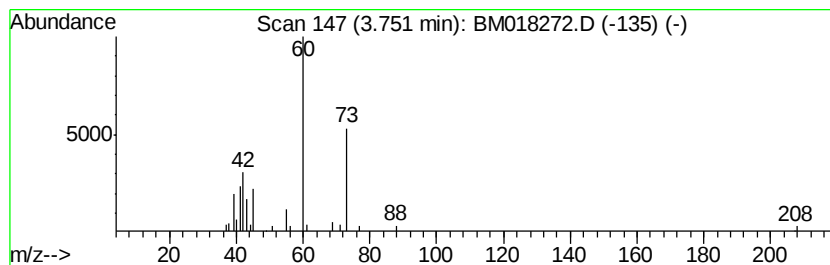
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	4.82 ng	221145	1,4-Dichlorobenzene-d4	7.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanoic acid	88	C4H8O2	000107-92-6	56
2		Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	43
3		Hexanoic acid	116	C6H12O2	000142-62-1	39
4		Hydrazine, 1,2-diethyl-	88	C4H12N2	001615-80-1	12
5		Pentanoic acid	102	C5H10O2	000109-52-4	9



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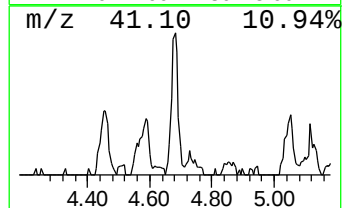
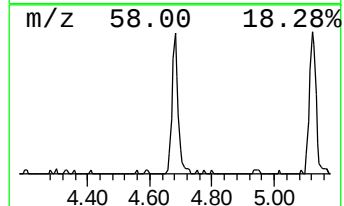
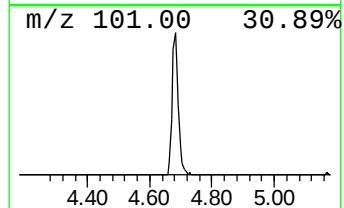
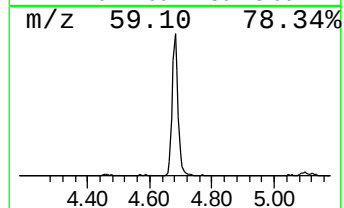
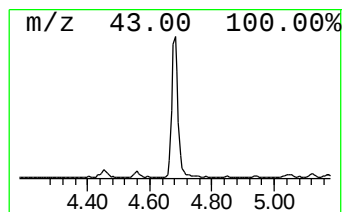
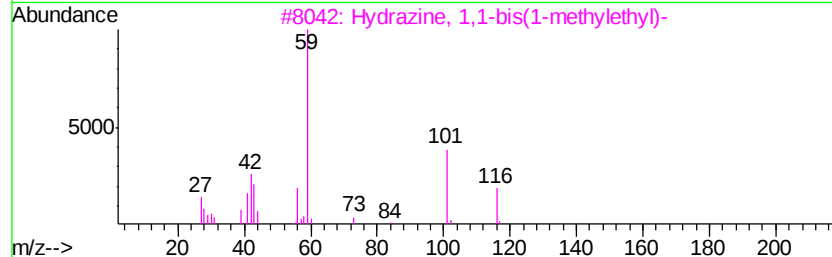
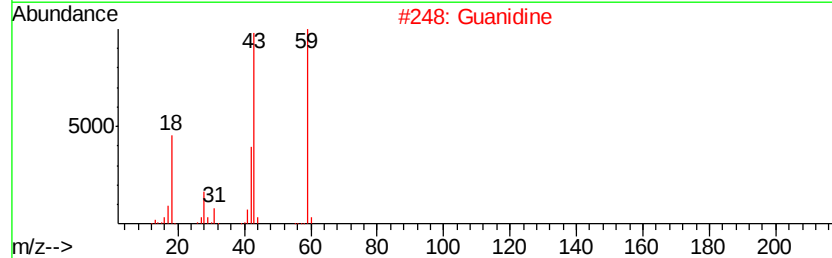
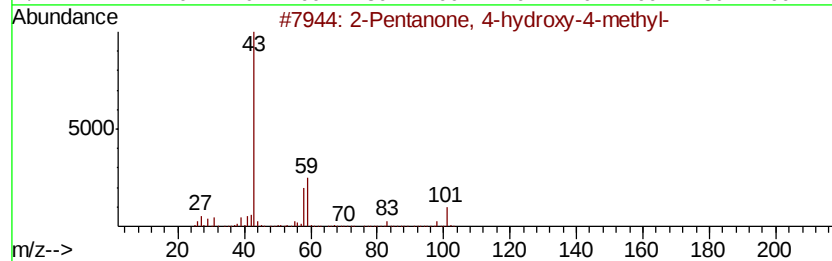
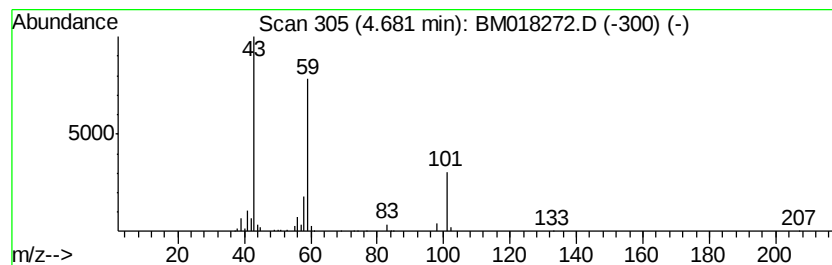
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	6.22 ng	285471	1,4-Dichlorobenzene-d4	7.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Guanidine	59	CH5N3	000113-00-8	50
3		Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	38
4		2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	36
5		Dimethadione	129	C5H7NO3	000695-53-4	36



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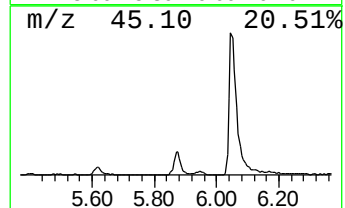
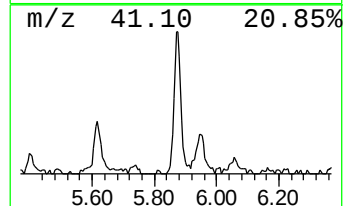
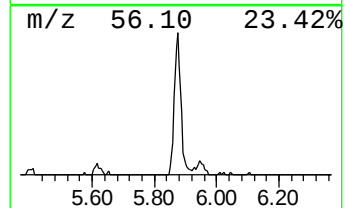
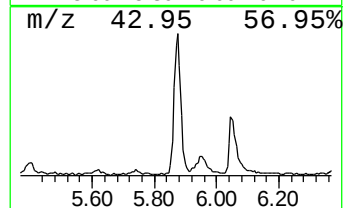
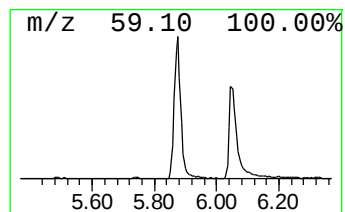
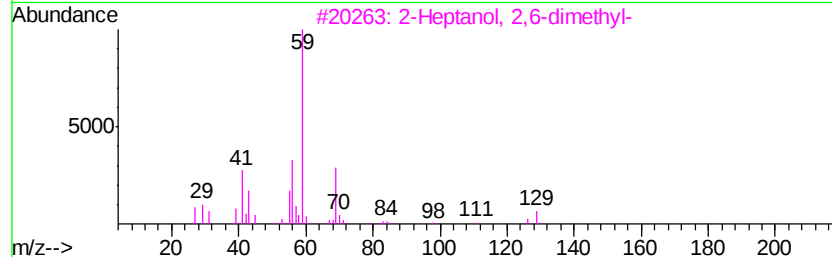
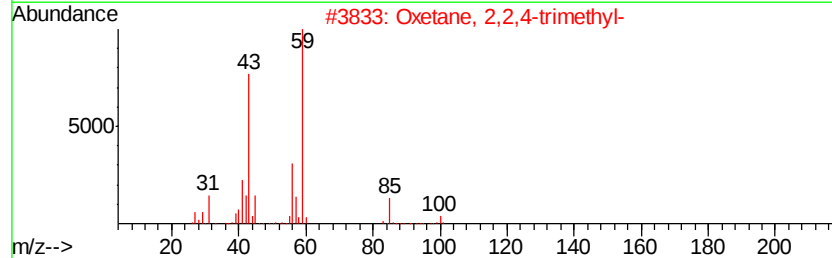
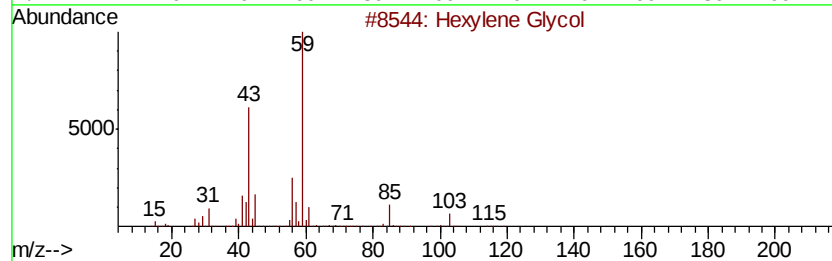
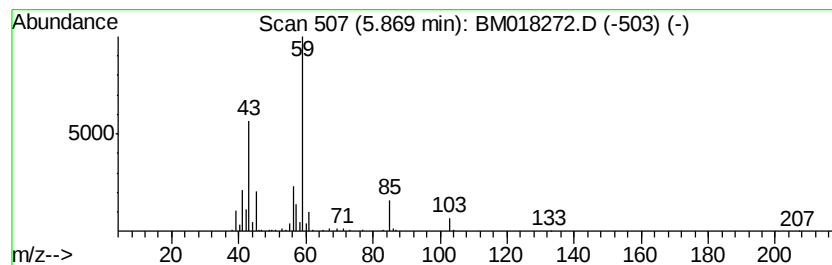
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Hexylene Glycol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.87	7.92 ng	363269	1,4-Dichlorobenzene-d4	7.49

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	78
3		2-Heptanol, 2,6-dimethyl-	144	C9H20O	013254-34-7	45
4		dl-Erythro-0-methylthreonine	133	C5H11NO3	1000214-70-7	45
5		Hexane, 1-(1-methoxyethoxy)-	160	C9H20O2	054340-90-8	42



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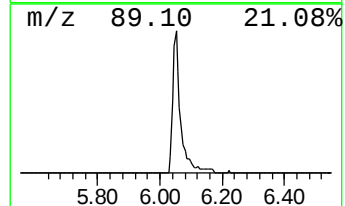
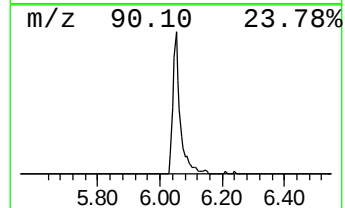
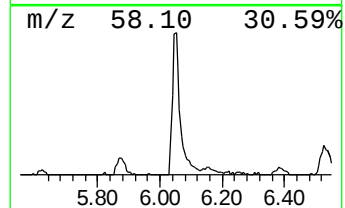
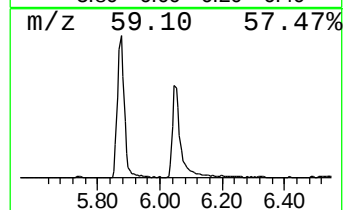
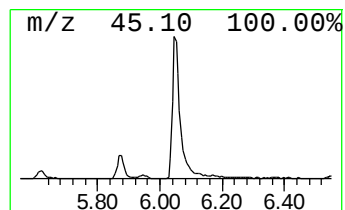
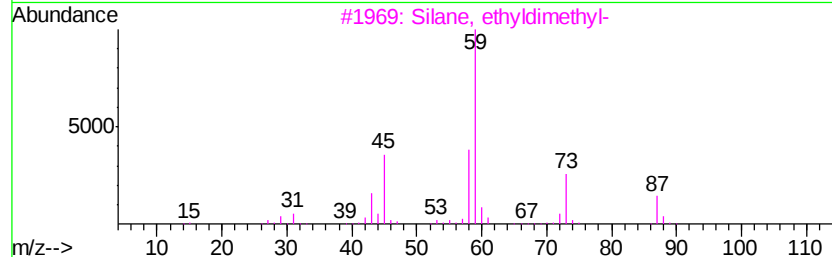
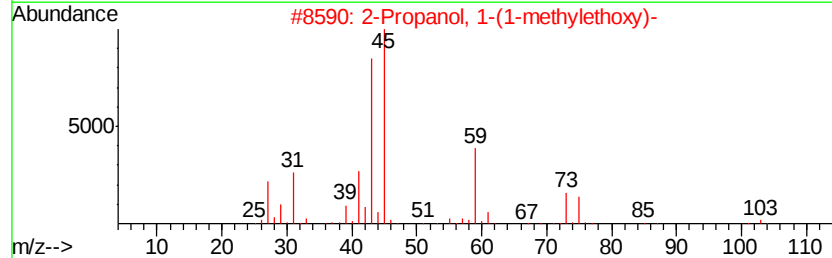
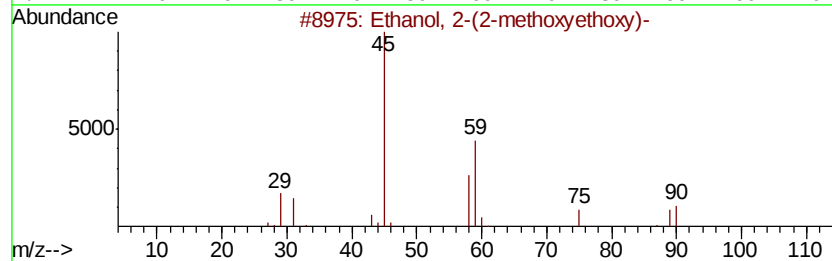
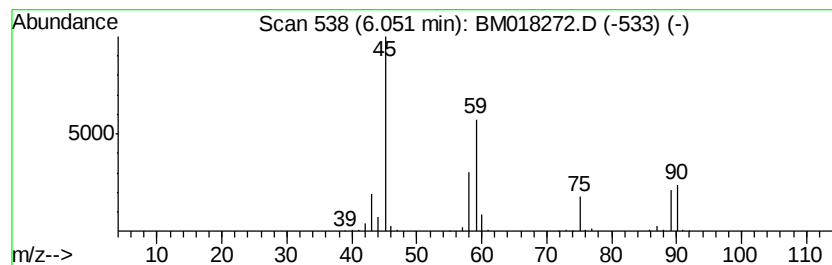
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	9.87 ng	452635	1,4-Dichlorobenzene-d4	7.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	83
2		2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	50
3		Silane, ethyldimethyl-	88	C4H12Si	000758-21-4	42
4		Carbonic acid, dimethyl ester	90	C3H6O3	000616-38-6	33
5		Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	32



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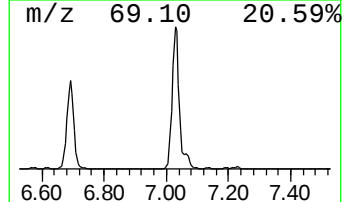
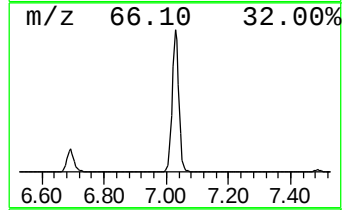
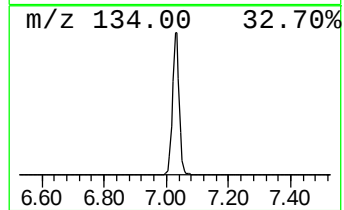
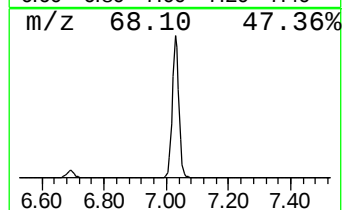
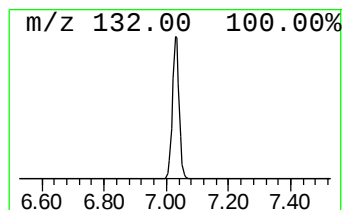
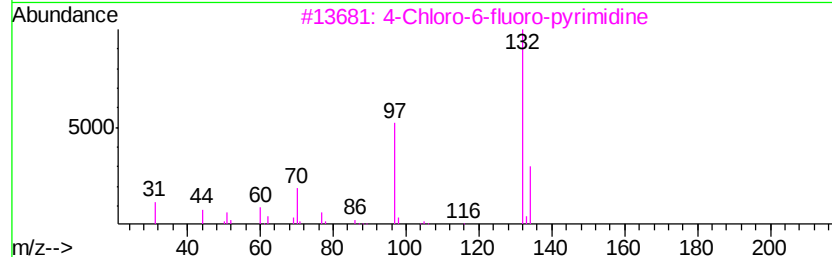
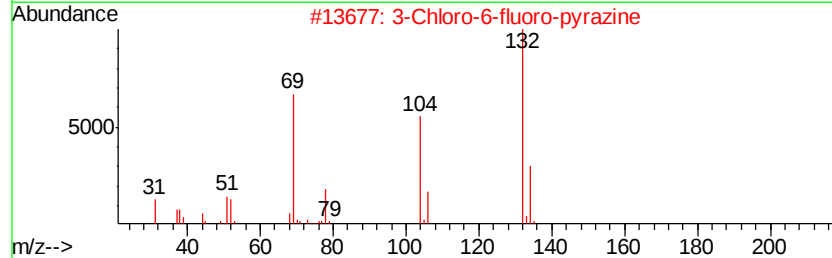
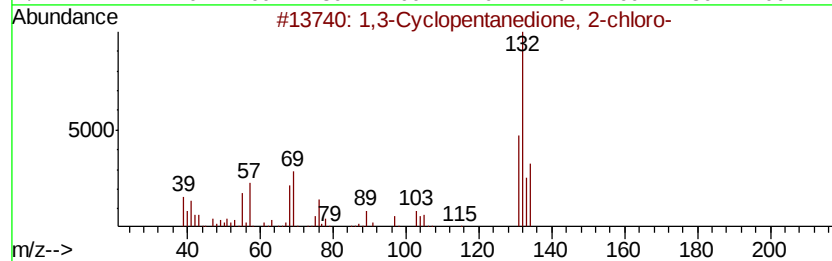
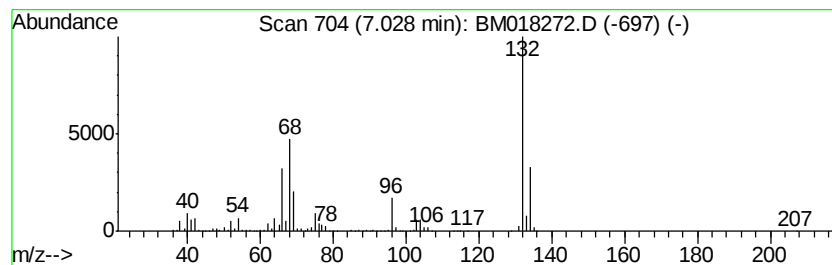
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown7.03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	89.96 ng	4126350	1,4-Dichlorobenzene-d4	7.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	38
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
Data File : BM018272.D
Acq On : 18 Dec 2018 15:46
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 3 Sample Multiplier: 1

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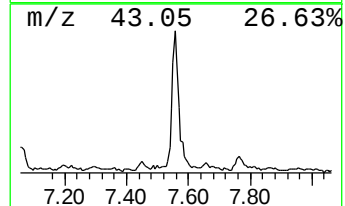
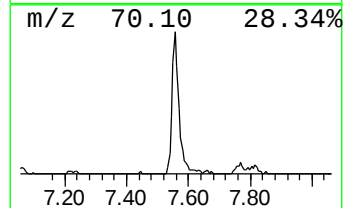
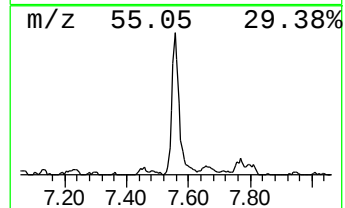
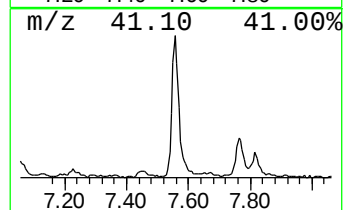
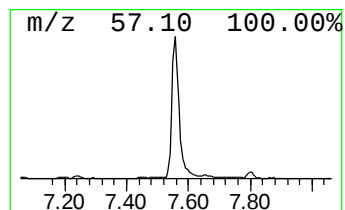
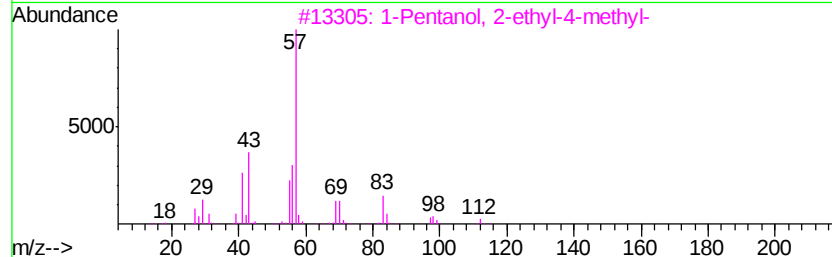
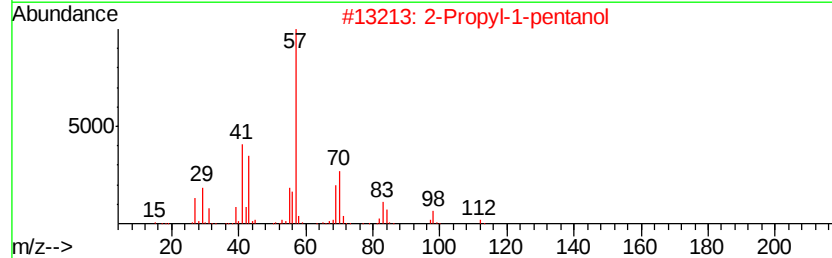
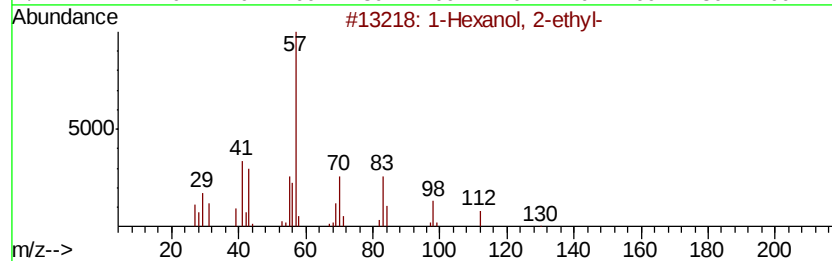
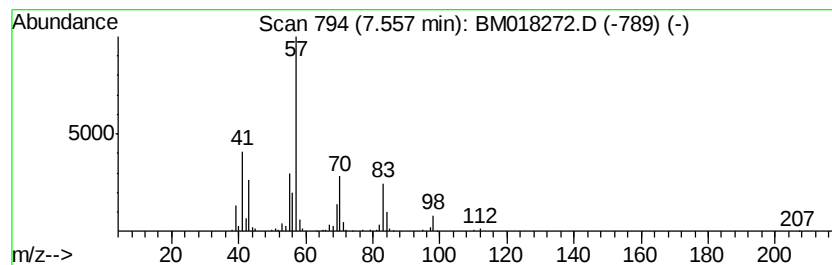
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	11.37 ng	521723	1,4-Dichlorobenzene-d4	7.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	59
3		1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50
4		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
5		dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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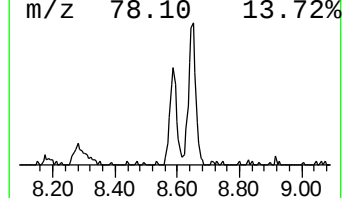
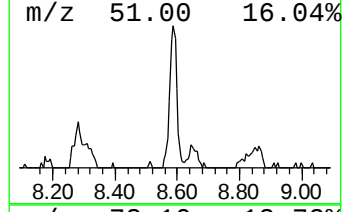
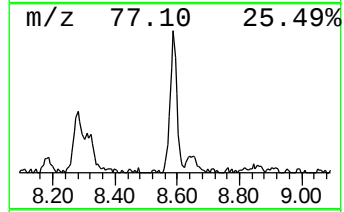
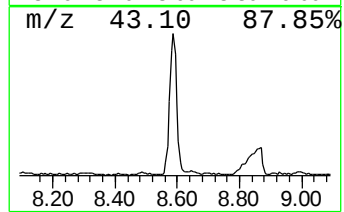
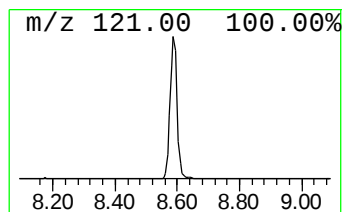
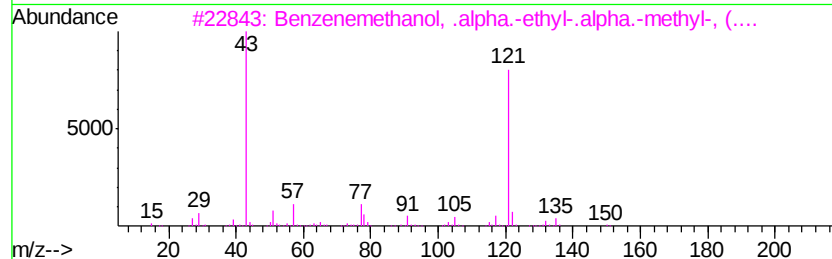
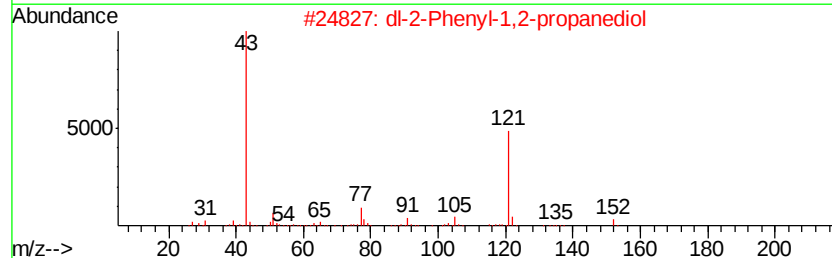
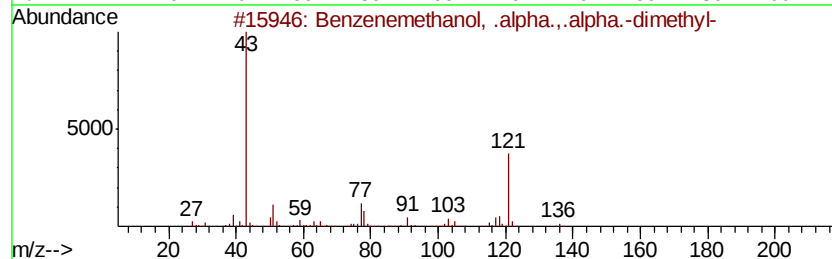
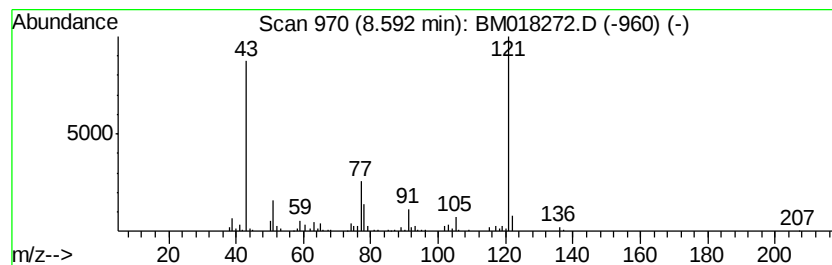
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzenemethanol, .alpha.,.a... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	8.72 ng	399753	1,4-Dichlorobenzene-d4	7.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenemethanol, .alpha.,.alpha....	136	C9H12O	000617-94-7	78
2		dl-2-Phenyl-1,2-propanediol	152	C9H12O2	004217-66-7	78
3		Benzenemethanol, .alpha.-ethyl-....	150	C10H14O	019641-57-7	72
4		Benzeneacetic acid, .alpha.-hydr...	166	C9H10O3	000515-30-0	72
5		Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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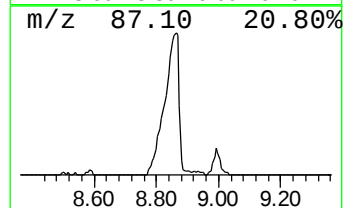
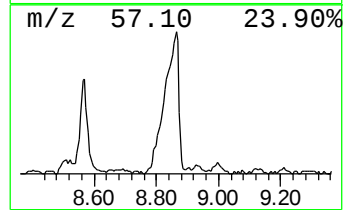
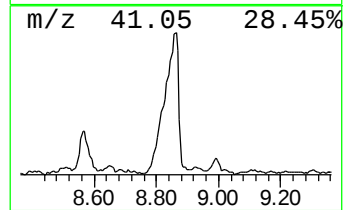
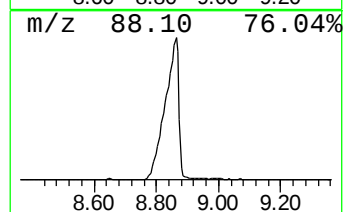
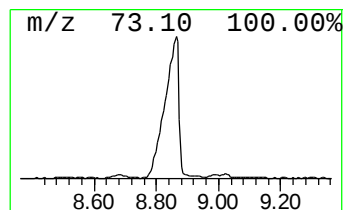
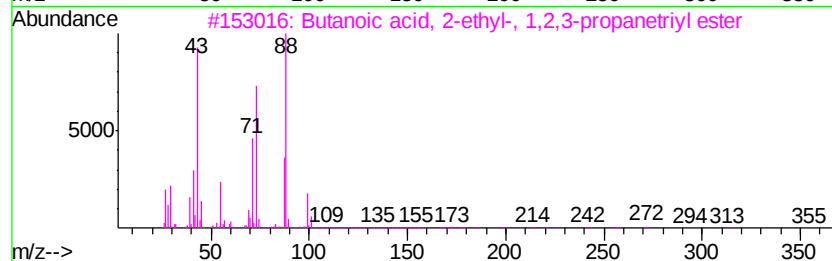
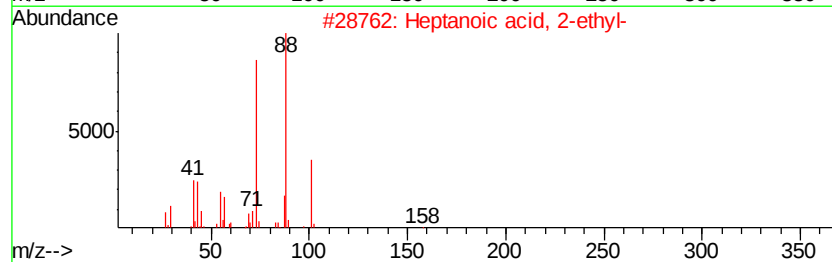
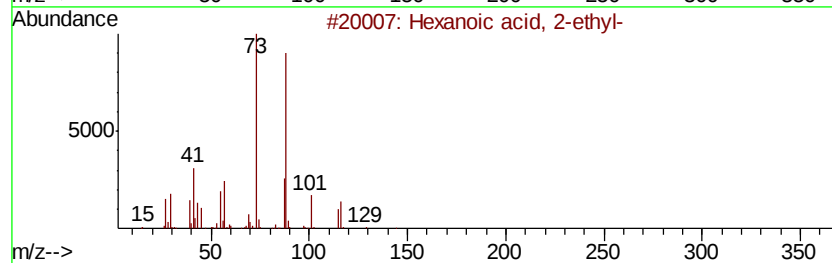
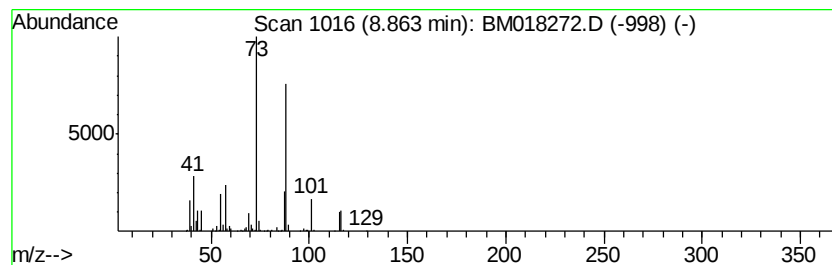
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexanoic acid, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	27.64 ng	1267910	1,4-Dichlorobenzene-d4	7.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2		Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
3		Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45
4		1,4-Dioxane	88	C4H8O2	000123-91-1	43
5		Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	36



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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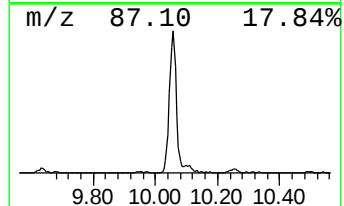
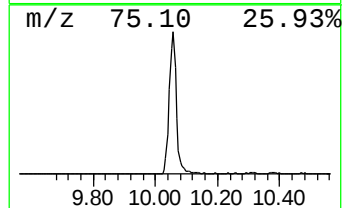
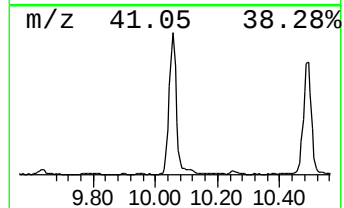
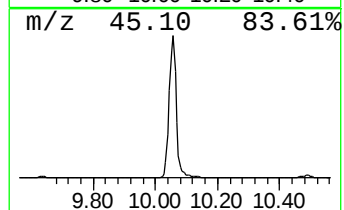
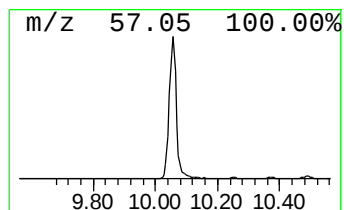
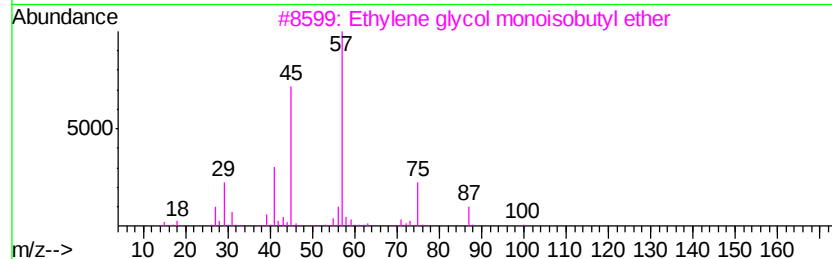
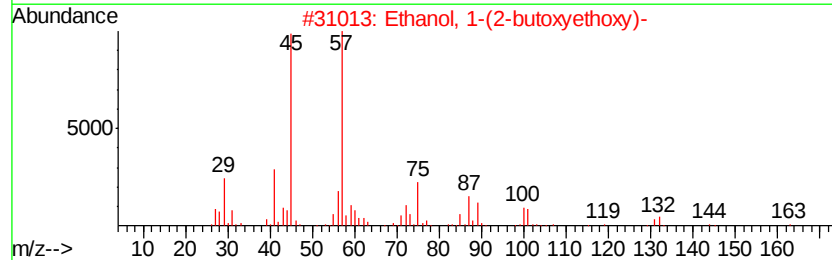
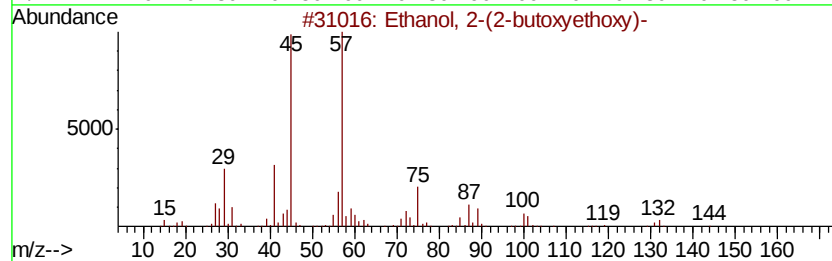
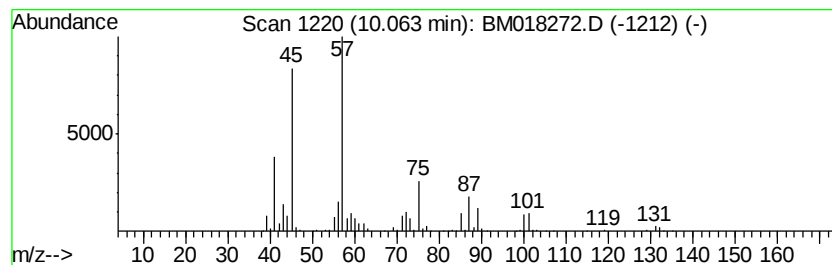
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	40.70 ng	2308830	Naphthalene-d8	10.25
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Ethanol, 2-(2-butoxyethoxy)-	162 C8H18O3	000112-34-5 90
2		Ethanol, 1-(2-butoxyethoxy)-	162 C8H18O3	054446-78-5 90
3		Ethylene glycol monoisobutyl ether	118 C6H14O2	004439-24-1 59
4		3,3-Dimethylbutane-2-ol	102 C6H14O	000464-07-3 50
5		Ethanol, 2-[2-(2-butoxyethoxy)et...	206 C10H22O4	000143-22-6 50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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ClientSampleId :
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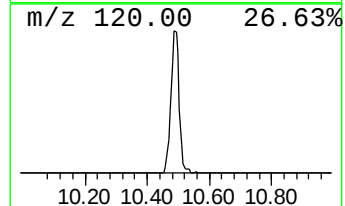
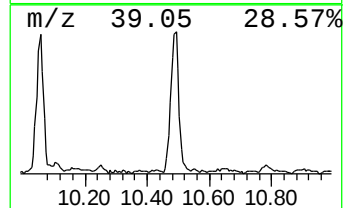
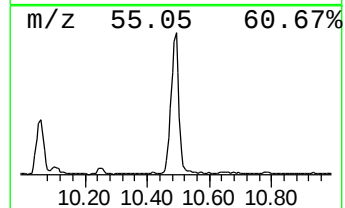
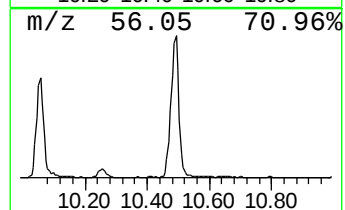
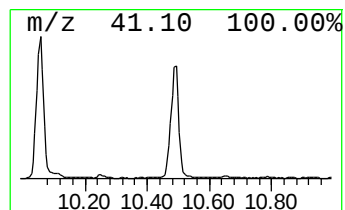
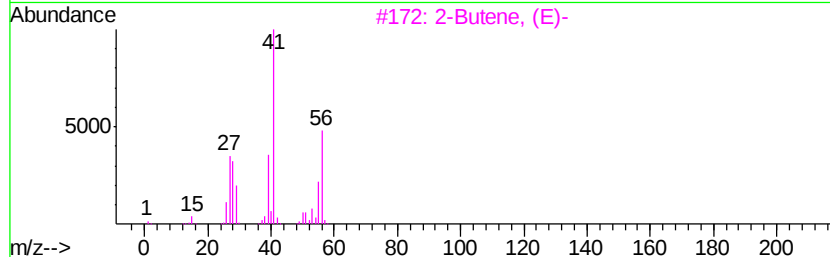
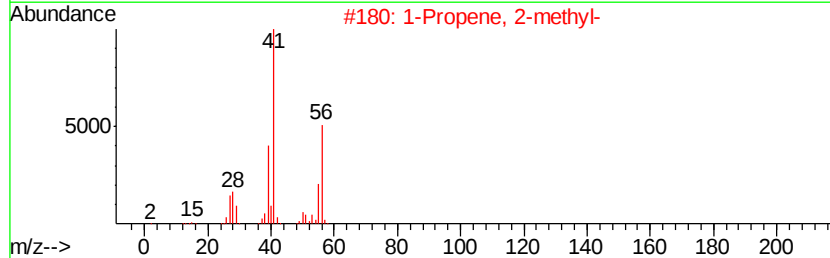
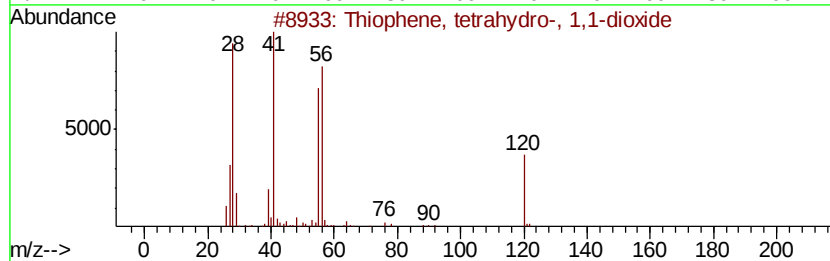
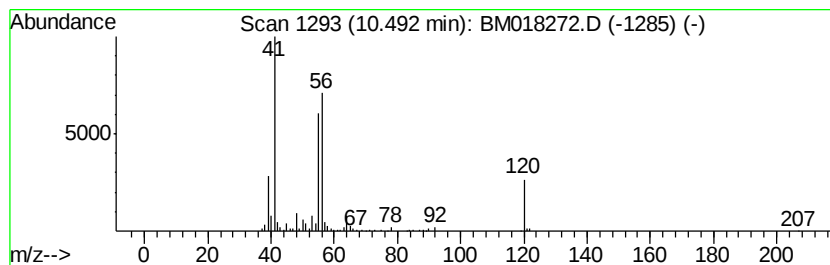
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Thiophene, tetrahydro-, 1,1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	11.73 ng	665350	Naphthalene-d8	10.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, tetrahydro-, 1,1-dioxide	120	C4H8O2S	000126-33-0	86
2		1-Propene, 2-methyl-	56	C4H8	000115-11-7	46
3		2-Butene, (E)-	56	C4H8	000624-64-6	46
4		Cyclobutane	56	C4H8	000287-23-0	46
5		2-Butene, (Z)-	56	C4H8	000590-18-1	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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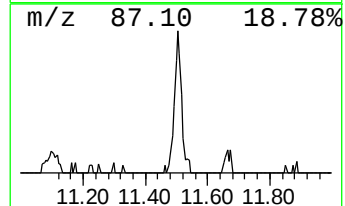
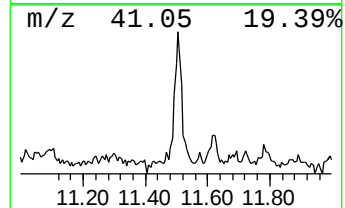
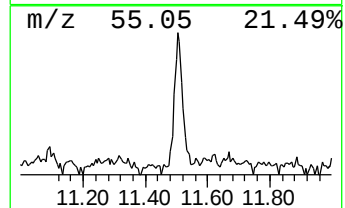
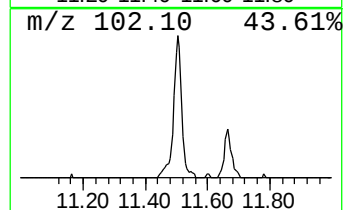
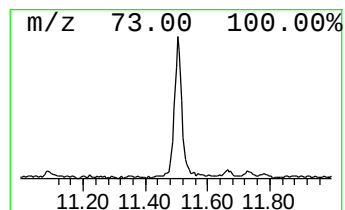
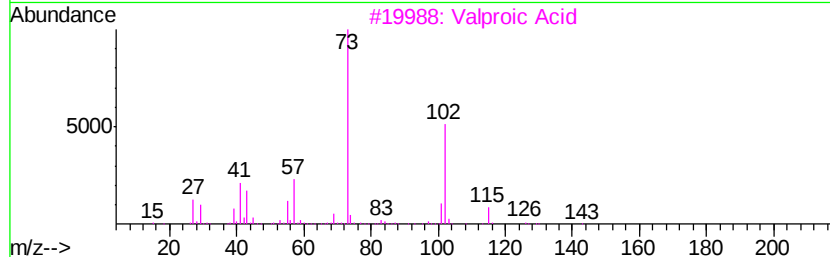
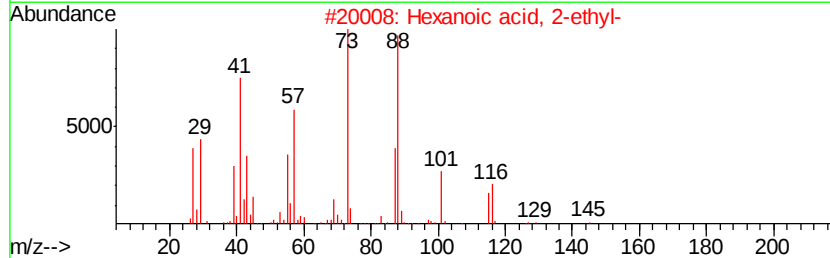
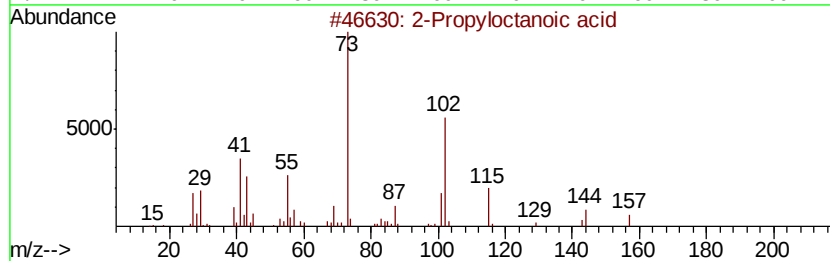
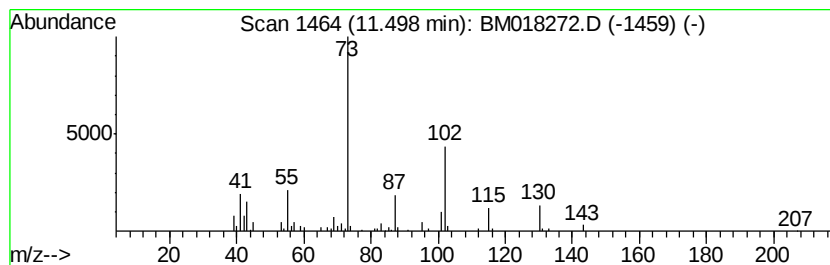
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown11.50 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	3.77 ng	214031	Napthalene-d8	10.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propyloctanoic acid	186	C11H22O2	031080-41-8	40
2		Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	35
3		Valproic Acid	144	C8H16O2	000099-66-1	12
4		Isopropyl 5,11-dihydroxy-3,7,11-...	314	C18H34O4	1000223-34-1	10
5		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	10



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Sample : J6440-08
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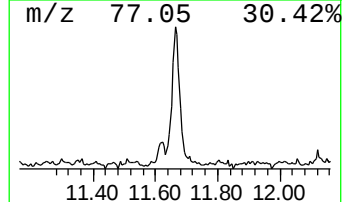
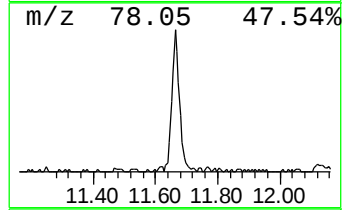
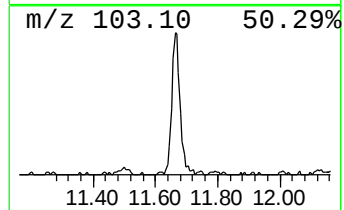
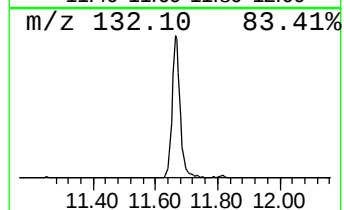
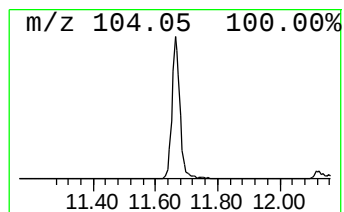
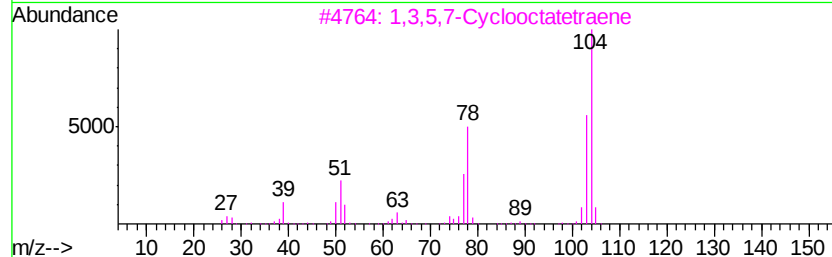
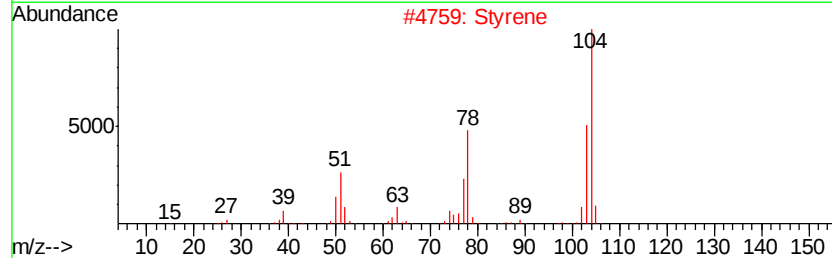
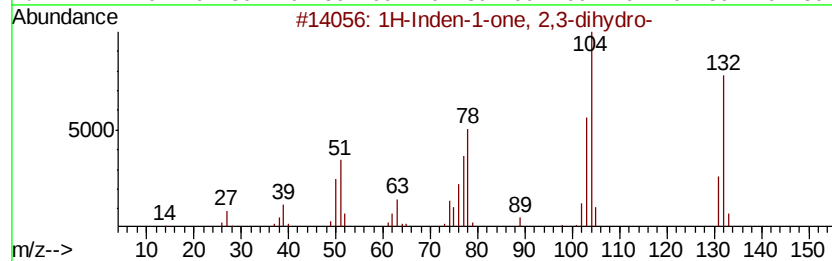
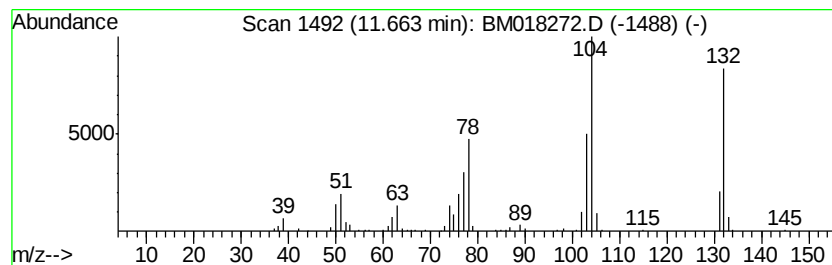
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.66	6.27 ng	355666	Naphthalene-d8	10.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	97
2	Styrene	104	C8H8	000100-42-5	70
3	1,3,5,7-Cvclooctatetraene	104	C8H8	000629-20-9	64
4	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	64
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	60



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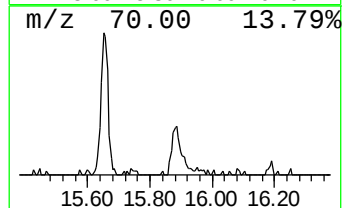
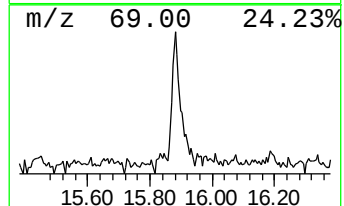
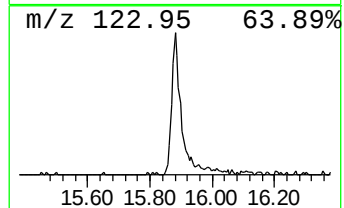
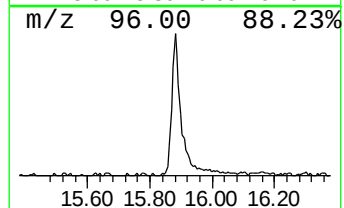
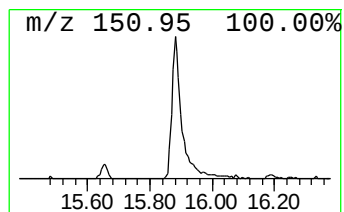
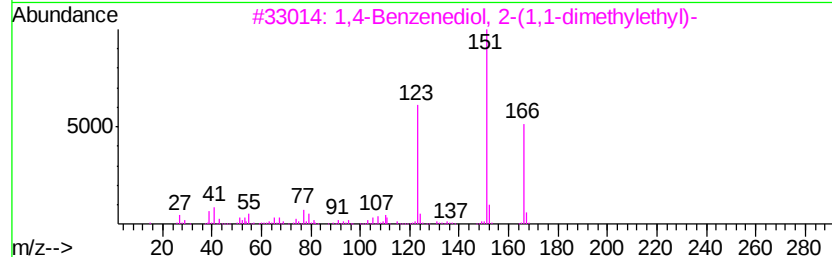
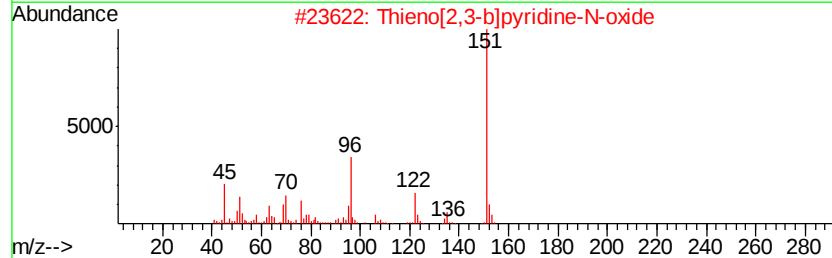
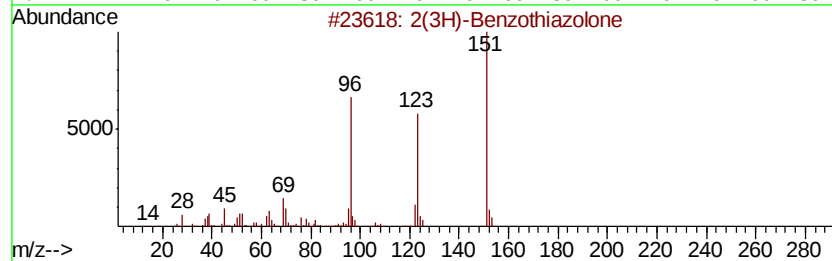
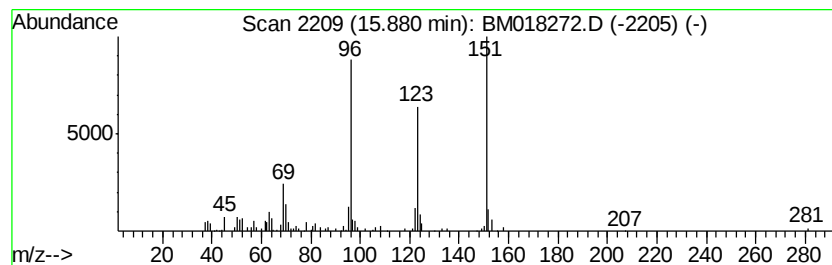
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2(3H)-Benzothiazolone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.88	5.16 ng	336485	Phenanthrene-d10	16.91	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	94
2	Thieno[2,3-b]pyridine-N-oxide	151	C7H5NOS	025557-50-0	43
3	1,4-Benzenediol, 2-(1,1-dimethyl...	166	C10H14O2	001948-33-0	43
4	1,2-Benzisothiazol-3(2H)-one	151	C7H5NOS	002634-33-5	35
5	4-Methoxyformanilide	151	C8H9NO2	023896-88-0	35



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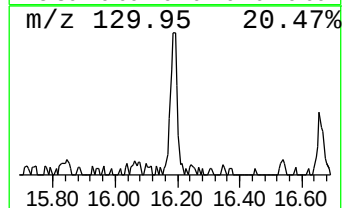
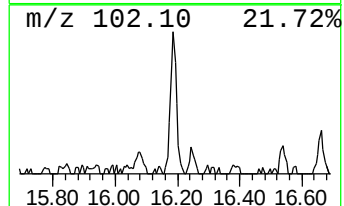
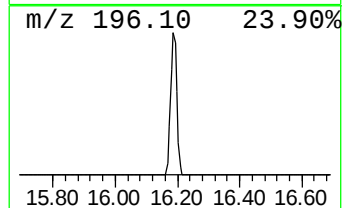
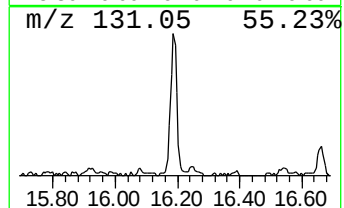
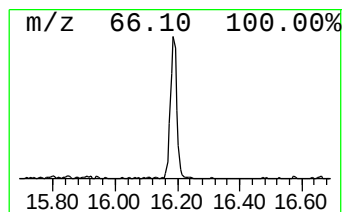
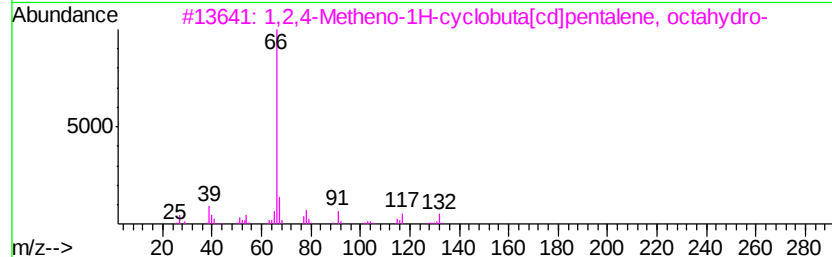
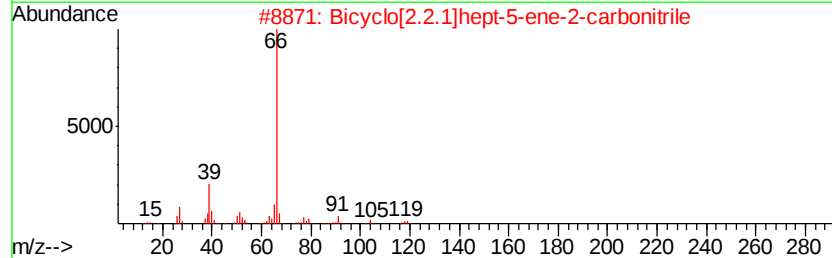
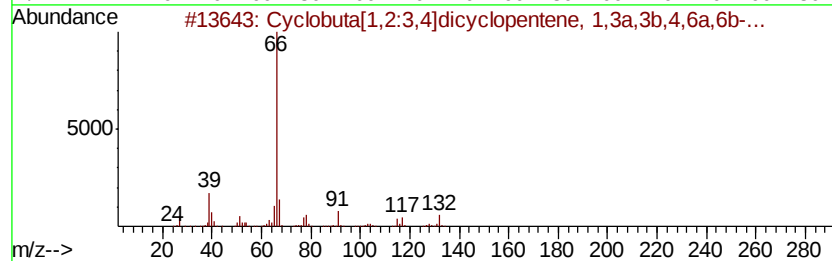
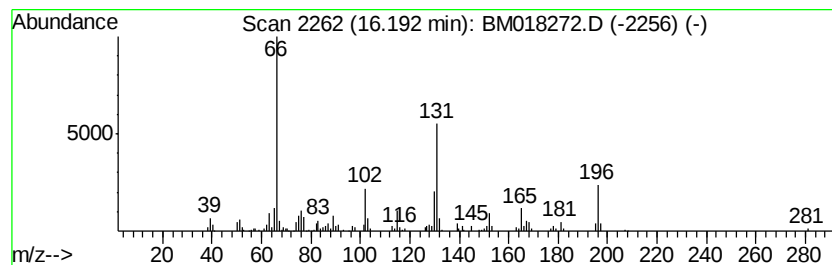
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclobuta[1,2:3,4]dicyclope... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	4.00 ng	260888	Phenanthrene-d10	16.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclobuta[1,2:3,4]dicvclopentene...	132	C10H12	105226-58-2	58
2		Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	000095-11-4	58
3		1,2,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-86-4	53
4		4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	53
5		4,7-Methanoisobenzofuran-1,3-dio...	164	C9H8O3	000826-62-0	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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Misc :
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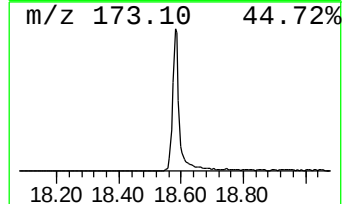
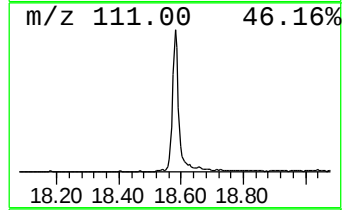
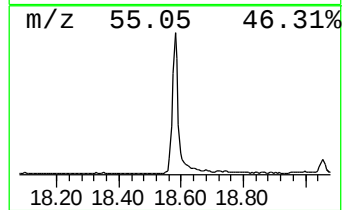
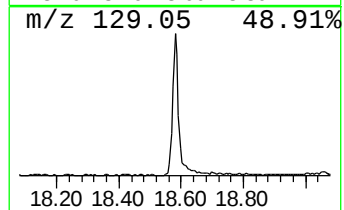
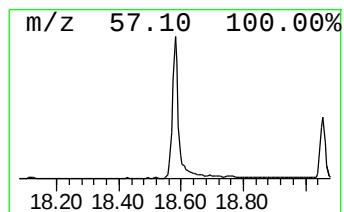
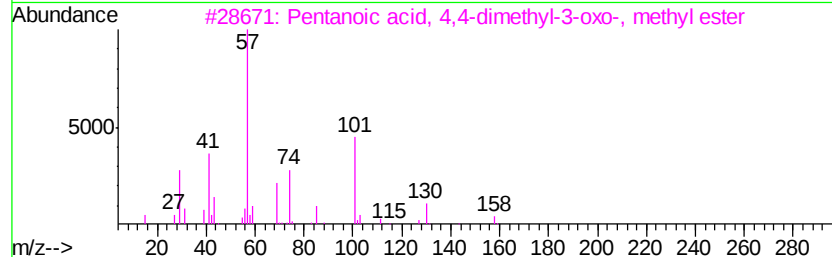
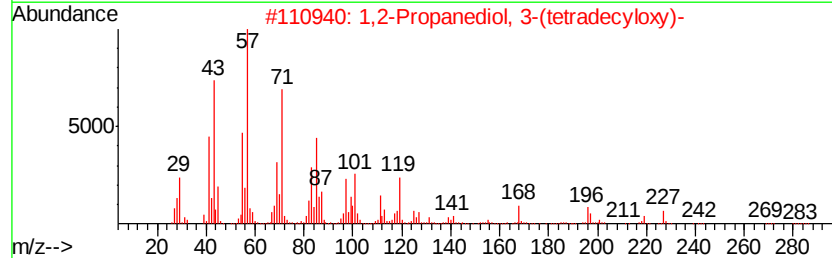
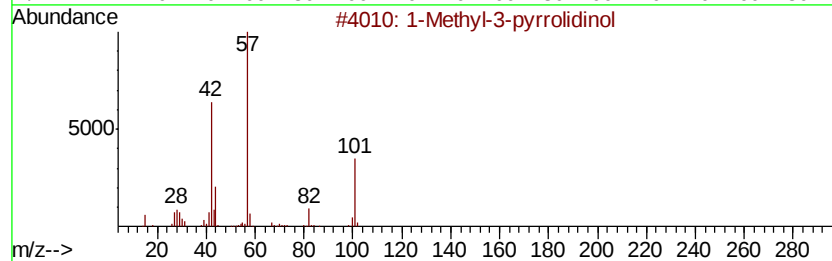
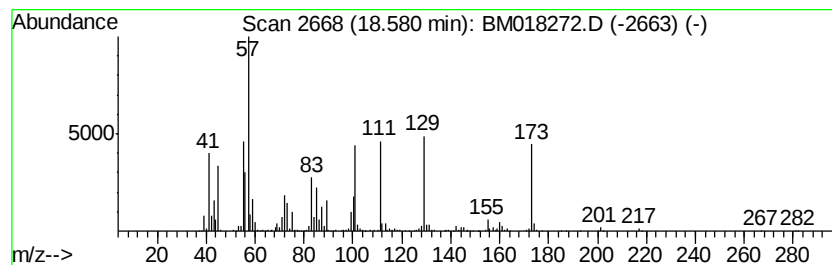
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown18.58 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	27.24 ng	1776620	Phenanthrene-d10	16.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-3-pyrrolidinol	101	C5H11NO	013220-33-2	10
2		1,2-Propanediol, 3-(tetradecyloxy)-	288	C17H36O3	001561-06-4	9
3		Pentanoic acid, 4,4-dimethyl-3-oxo-, methyl ester	158	C8H14O3	055107-14-7	9
4		Pentanoic acid, 3-oxo-, methyl ester	130	C6H10O3	030414-53-0	9
5		Propionic acid, 2-diethylborylox...	186	C9H19BO3	1000149-82-1	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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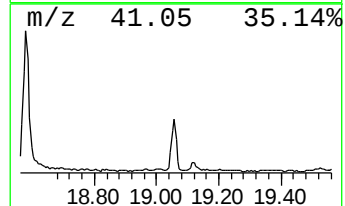
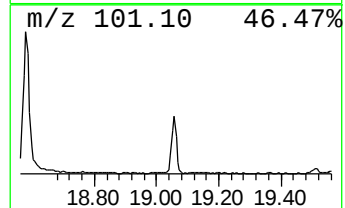
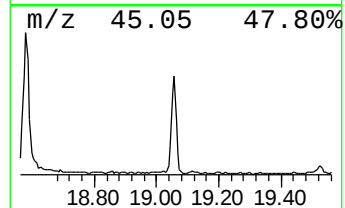
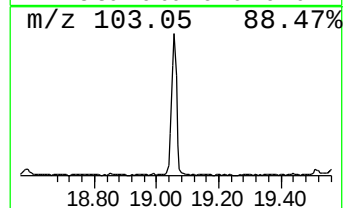
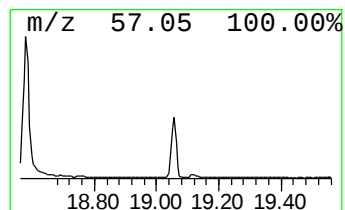
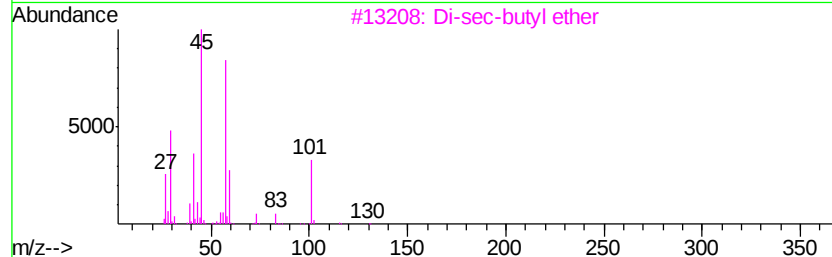
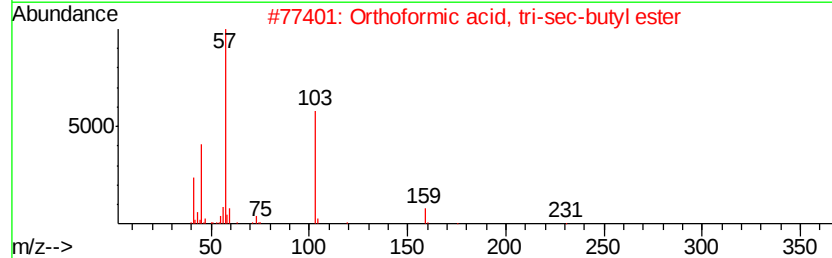
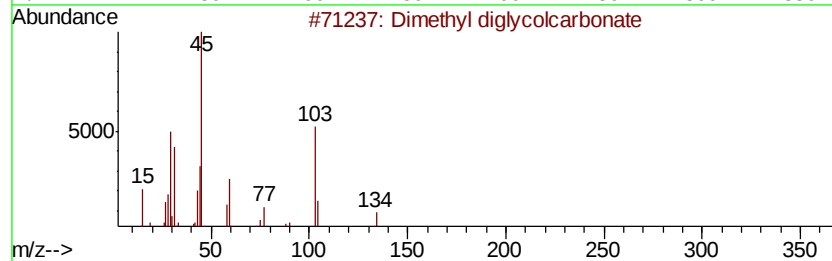
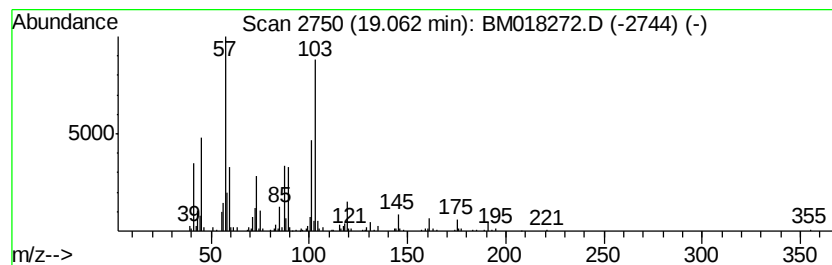
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TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown19.06 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	7.66 ng	477843	Chrysene-d12	21.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl diglycolcarbonate	222	C8H14O7	087292-23-7	38
2			Orthoformic acid, tri-sec-butyl ...	232	C13H28O3	016754-48-6	32
3			Di-sec-butyl ether	130	C8H18O	006863-58-7	27
4			Ethanethioamide, N,N-dimethyl-	103	C4H9NS	000631-67-4	22
5			1-tert-Butoxy-2-ethoxyethane	146	C8H18O2	051422-54-9	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
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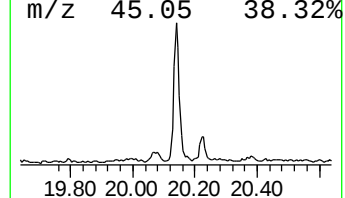
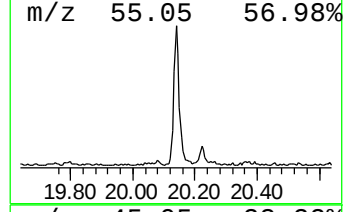
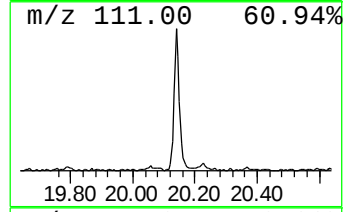
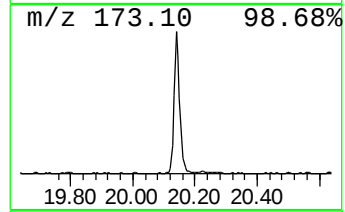
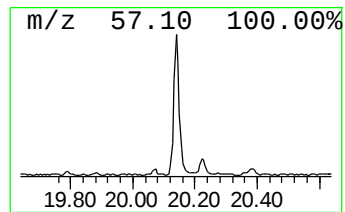
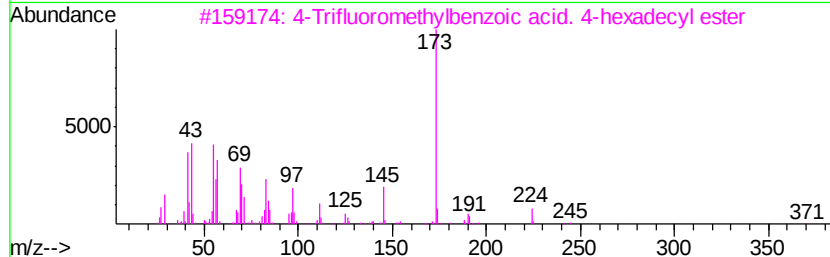
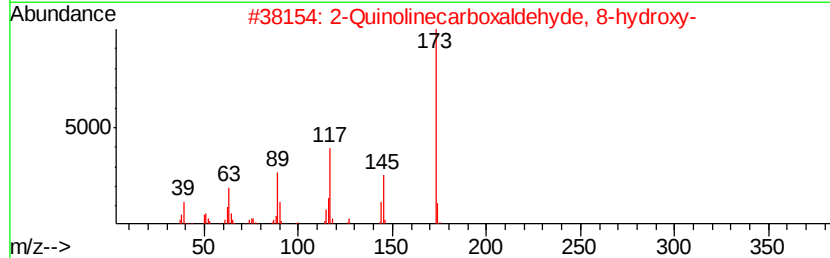
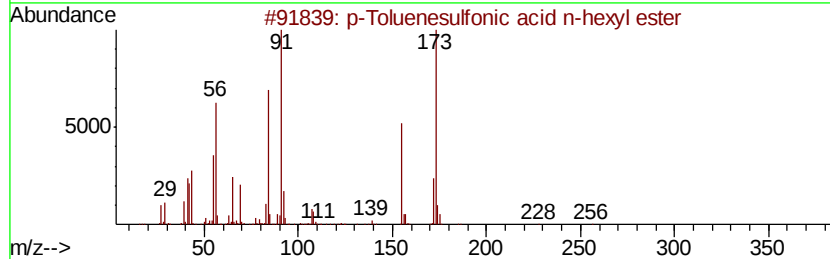
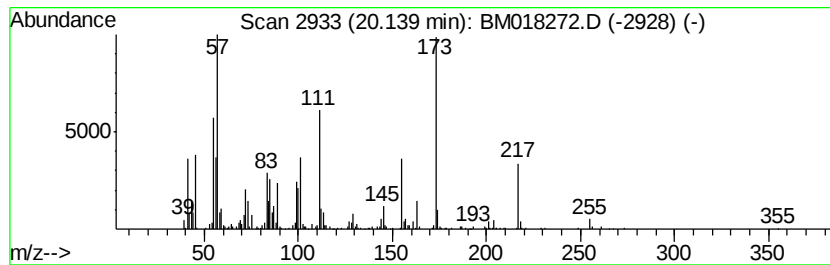
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown20.14 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	13.13 ng	819307	Chrysene-d12	21.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Toluenesulfonic acid n-hexyl e...	256	C13H20O3S	003839-35-8	22
2		2-Quinolinecarboxaldehyde, 8-hyd...	173	C10H7NO2	014510-06-6	18
3		4-Trifluoromethylbenzoic acid. 4...	414	C24H37F3O2	1000283-03-4	14
4		2-Chloro-6-hydroxvisonicotinic acid	173	C6H4ClNO3	006313-51-5	12
5		Butanamide, N-methyl-4-(methylth...	230	C11H22N2OS	097443-86-2	12



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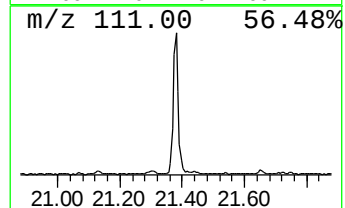
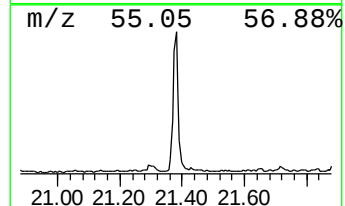
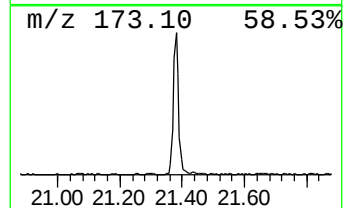
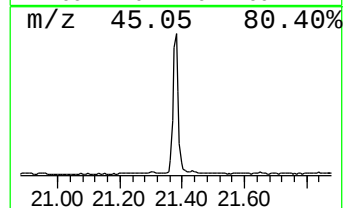
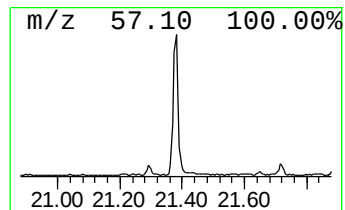
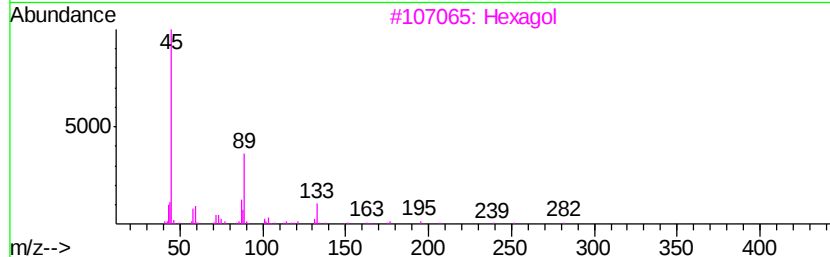
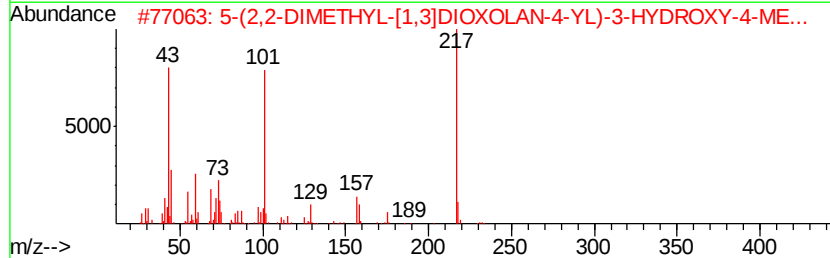
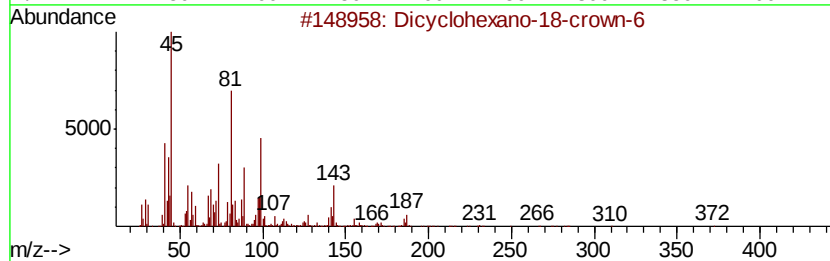
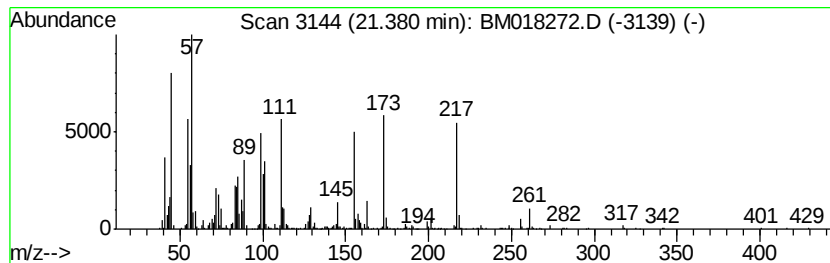
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown21.38 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	20.83 ng	1299740	Chrysene-d12	21.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dicvclohexano-18-crown-6	372	C20H36O6	016069-36-6	16
2		5-(2,2-DIMETHYL-[1,3]DIOXOLAN-4-...	232	C10H16O6	1000185-10-7	15
3		Hexadol	282	C12H26O7	002615-15-8	15
4		Pentaethylene glycol	238	C10H22O6	004792-15-8	14
5		1,4,7,10,13,16-Hexaoxacyclooctad...	264	C12H24O6	017455-13-9	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121818\
Data File : BM018272.D
Acq On : 18 Dec 2018 15:46
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-4

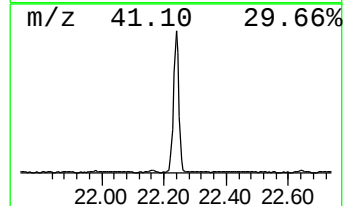
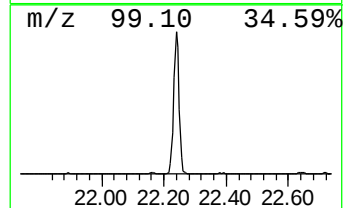
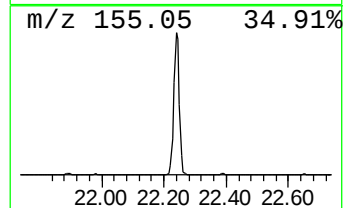
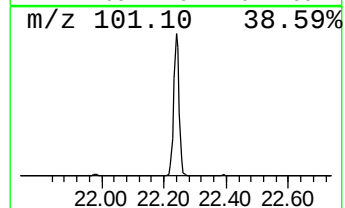
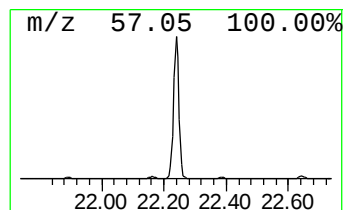
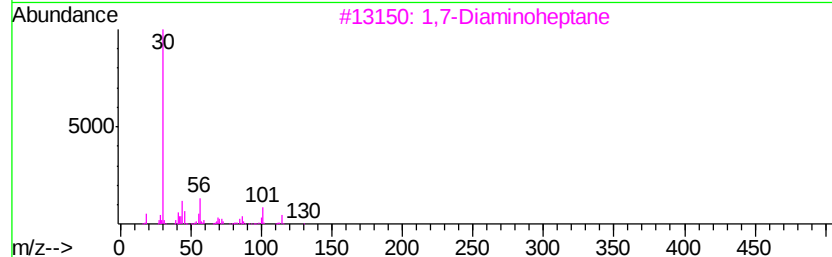
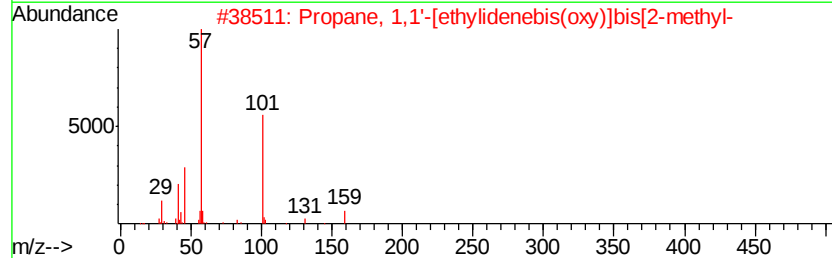
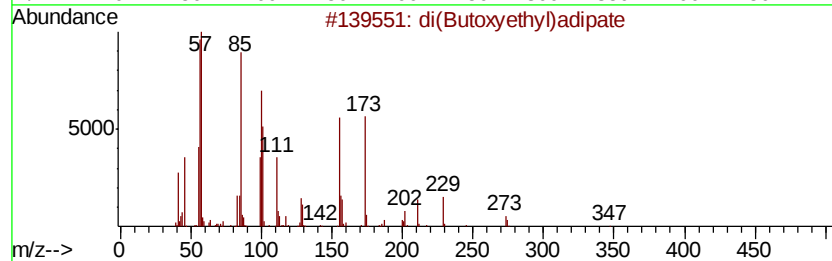
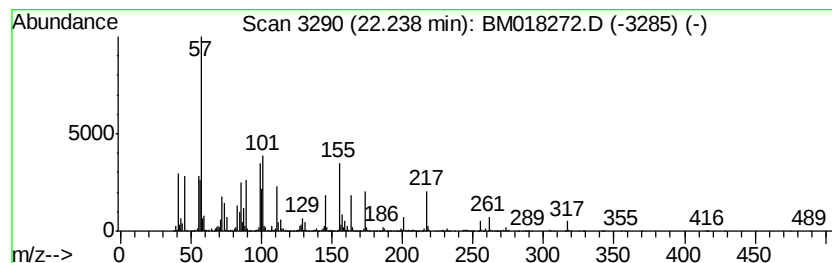
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown22.24 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.24	97.34 ng	7186690	Perylene-d12	23.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di(Butoxyethyl)adipate	346	C18H34O6	000141-18-4	12
2		Propane, 1,1'-[ethylidenebis(oxo...]	174	C10H22O2	005669-09-0	10
3		1,7-Diaminoheptane	130	C7H18N2	000646-19-5	10
4		1-Methyl-3-pyrrolidinol	101	C5H11NO	013220-33-2	9
5		Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121818\
 Data File : BM018272.D
 Acq On : 18 Dec 2018 15:46
 Operator : JU/SJ
 Sample : J6440-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.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
Butanoic acid	3.75	4.8 ng		221145	1	7.49	917328	20.0
2-Pentanone, 4-hy...	4.68	6.2 ng		285471	1	7.49	917328	20.0
Hexylene Glycol	5.87	7.9 ng		363269	1	7.49	917328	20.0
Ethanol, 2-(2-met...	6.05	9.9 ng		452635	1	7.49	917328	20.0
unknown7.03	7.03	90.0 ng		4126350	1	7.49	917328	20.0
1-Hexanol, 2-ethyl-	7.56	11.4 ng		521723	1	7.49	917328	20.0
Benzenemethanol, ...	8.59	8.7 ng		399753	1	7.49	917328	20.0
Hexanoic acid, 2-...	8.86	27.6 ng		1267910	1	7.49	917328	20.0
Ethanol, 2-(2-but...	10.06	40.7 ng		2308830	2	10.25	1134470	20.0
Thiophene, tetrah...	10.49	11.7 ng		665350	2	10.25	1134470	20.0
unknown11.50	11.50	3.8 ng		214031	2	10.25	1134470	20.0
1H-Inden-1-one, 2...	11.66	6.3 ng		355666	2	10.25	1134470	20.0
2(3H)-Benzothiazo...	15.88	5.2 ng		336485	4	16.91	1304510	20.0
Cyclobuta[1,2:3,4...	16.19	4.0 ng		260888	4	16.91	1304510	20.0
unknown18.58	18.58	27.2 ng		1776620	4	16.91	1304510	20.0
unknown19.06	19.06	7.7 ng		477843	5	21.13	1248200	20.0
unknown20.14	20.14	13.1 ng		819307	5	21.13	1248200	20.0
unknown21.38	21.38	20.8 ng		1299740	5	21.13	1248200	20.0
unknown22.24	22.24	97.3 ng		7186690	6	23.29	1476570	20.0