

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091277.D
 Acq On : 23 Nov 2016 15:51
 Operator : UM/SJ
 Sample : H5723-02 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T12-13-8HCOMP-1

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_F\METHODS\8270-BF112316.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	1.767	6	7	17	rVB	192157	468115	4.85%	1.454%
2	1.904	17	19	70	rVB	4791668	9646983	100.00%	29.960%
3	5.047	291	294	296	rBV	289820	365014	3.78%	1.134%
4	5.459	328	330	333	rVB	1079813	1082965	11.23%	3.363%
5	6.487	418	420	423	rBV	1335792	1161515	12.04%	3.607%
6	6.636	430	433	435	rBV	1381607	1151213	11.93%	3.575%
7	6.876	451	454	456	rBV	1503699	1222529	12.67%	3.797%
8	7.036	465	468	470	rVB	662788	836027	8.67%	2.596%
9	7.436	500	503	504	rBV	596841	655515	6.80%	2.036%
10	8.156	564	566	569	rBV	1319300	1504777	15.60%	4.673%
11	9.242	658	661	663	rVB	1175982	1209314	12.54%	3.756%
12	9.916	717	720	722	rBV	1959082	1647330	17.08%	5.116%
13	10.202	742	745	749	rVB	192959	198232	2.05%	0.616%
14	10.693	786	788	790	rBV	672138	642857	6.66%	1.997%
15	11.402	847	850	852	rBV	1013047	1441118	14.94%	4.476%
16	11.928	891	896	901	rBV2	195272	475983	4.93%	1.478%
17	12.602	952	955	957	rVV	155187	245560	2.55%	0.763%
18	12.717	963	965	970	rBV2	114661	193159	2.00%	0.600%
19	12.831	972	975	976	rVV	173693	286421	2.97%	0.890%
20	12.979	985	988	991	rVB	1206327	1632735	16.92%	5.071%
21	13.471	1025	1031	1033	rBV2	126285	319462	3.31%	0.992%
22	13.528	1033	1036	1037	rVV	205249	265237	2.75%	0.824%
23	13.562	1037	1039	1042	rVB	114930	136133	1.41%	0.423%
24	13.825	1060	1062	1064	rVV	163269	243399	2.52%	0.756%
25	13.871	1064	1066	1067	rVV	240237	325936	3.38%	1.012%
26	13.894	1067	1068	1071	rVB	544515	603181	6.25%	1.873%
27	14.031	1076	1080	1084	rVV2	1369373	1920236	19.91%	5.964%
28	14.214	1093	1096	1098	rBV	115361	190680	1.98%	0.592%
29	14.511	1120	1122	1124	rBV	102112	135792	1.41%	0.422%
30	15.471	1203	1206	1208	rVB	926478	1127821	11.69%	3.503%
31	15.631	1218	1220	1224	rVB3	95620	147270	1.53%	0.457%
32	15.963	1247	1249	1251	rBV	88228	120315	1.25%	0.374%
33	16.180	1266	1268	1273	rVB3	132790	260591	2.70%	0.809%
34	16.603	1303	1305	1310	rVB	131132	229772	2.38%	0.714%

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T12-13-8HCOMP-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.163	1352	1354	1358	rvB2	59946	105973	1.10%	0.329%
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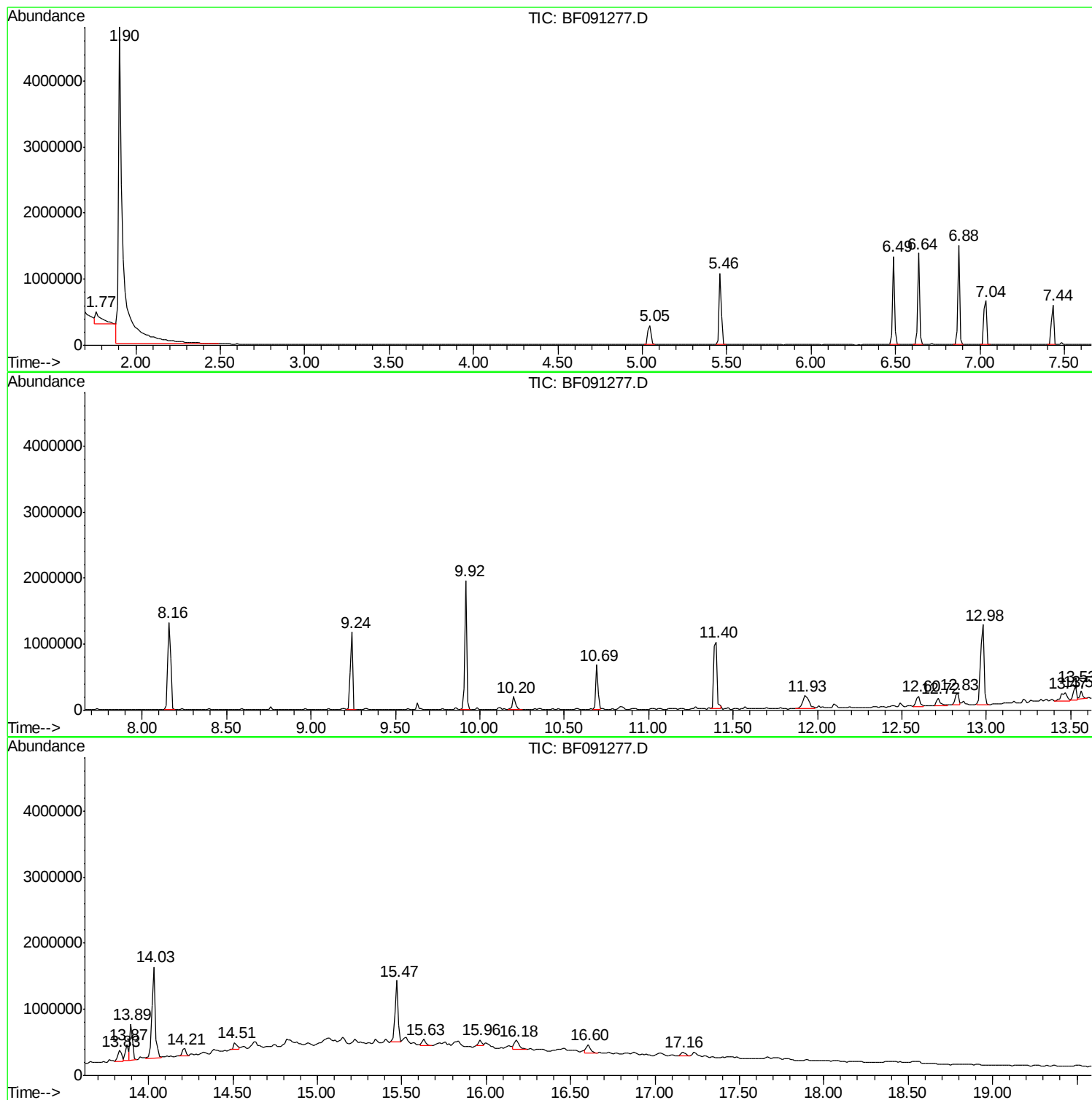
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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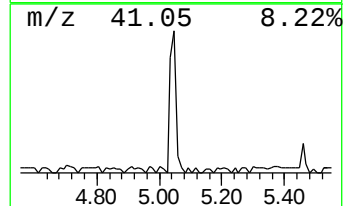
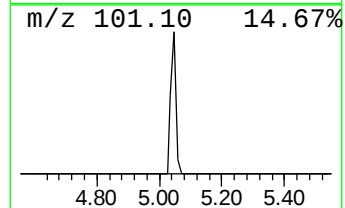
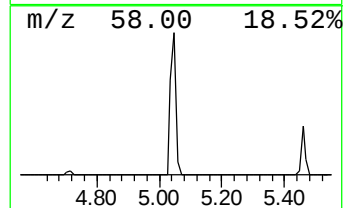
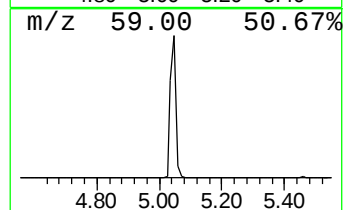
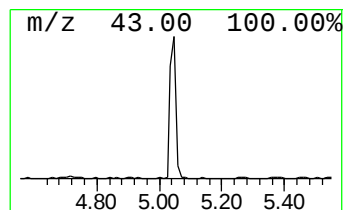
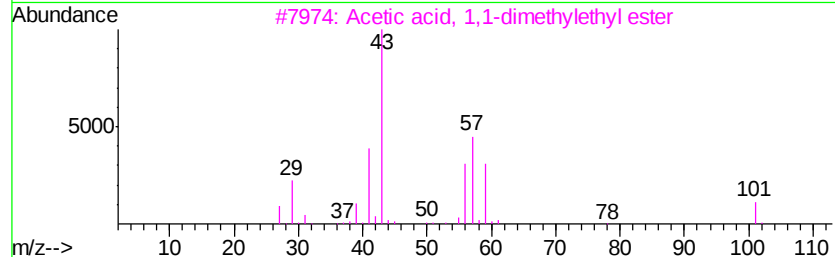
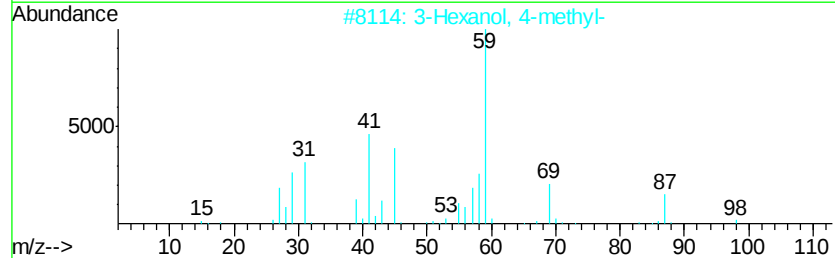
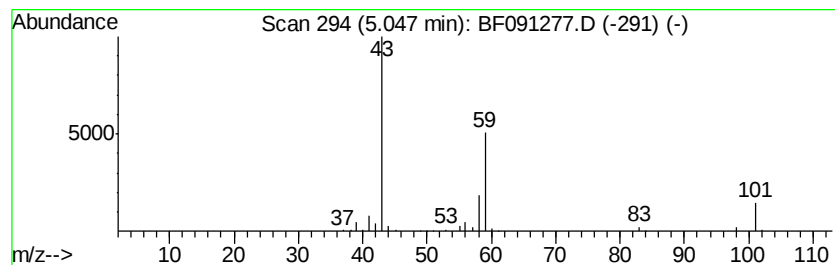
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	5.97 ng	365014	1,4-Dichlorobenzene-d4	6.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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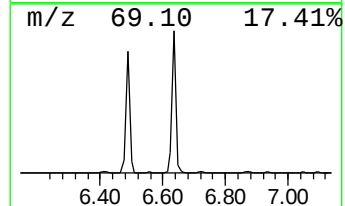
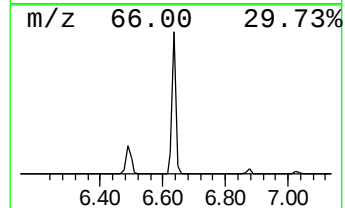
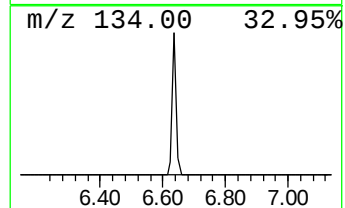
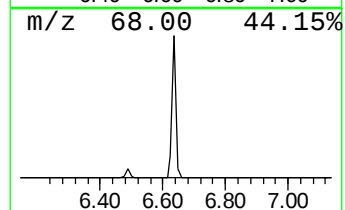
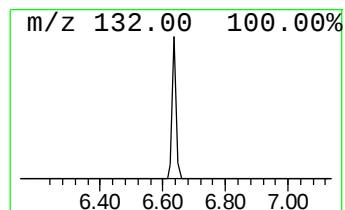
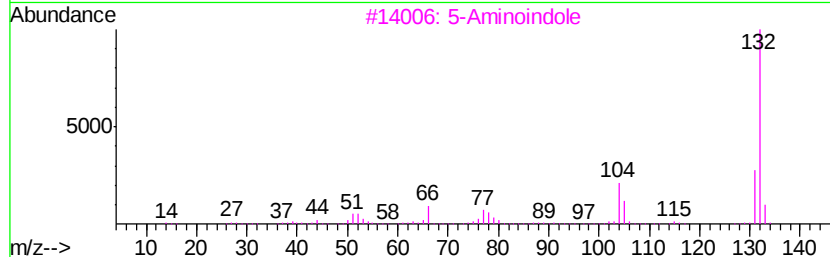
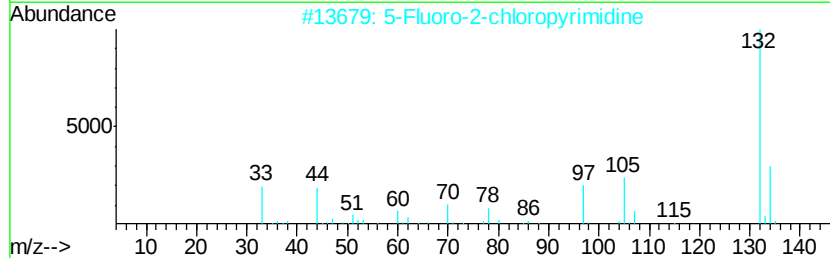
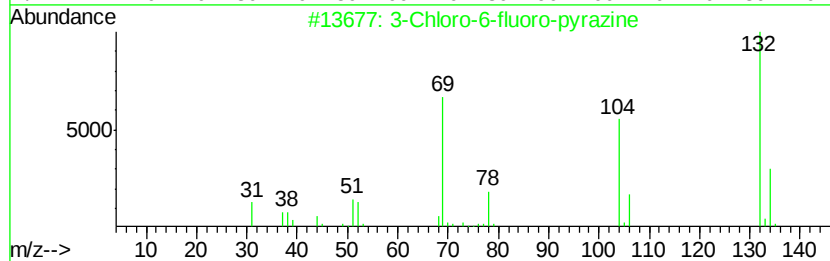
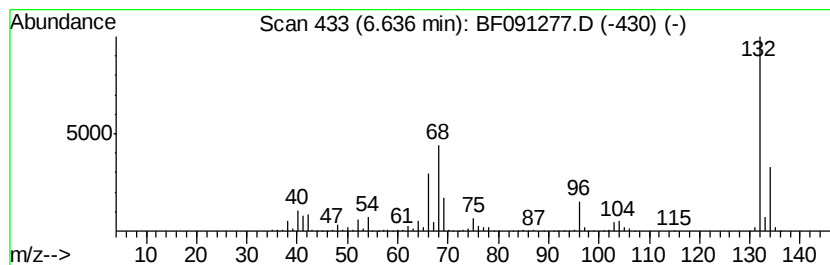
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	18.83 ng	1151210	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	9
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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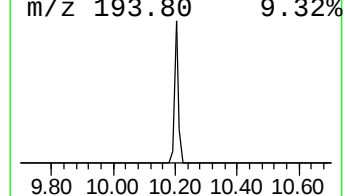
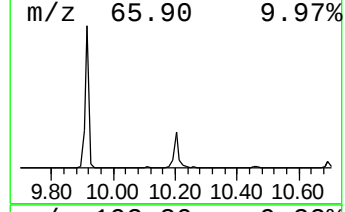
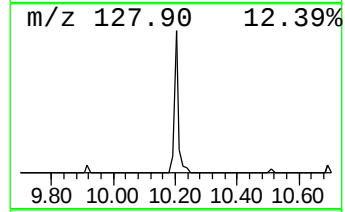
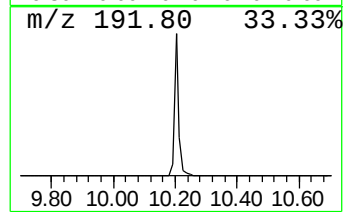
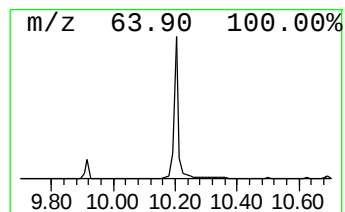
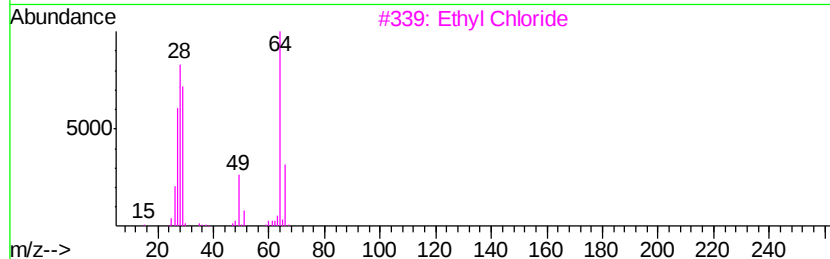
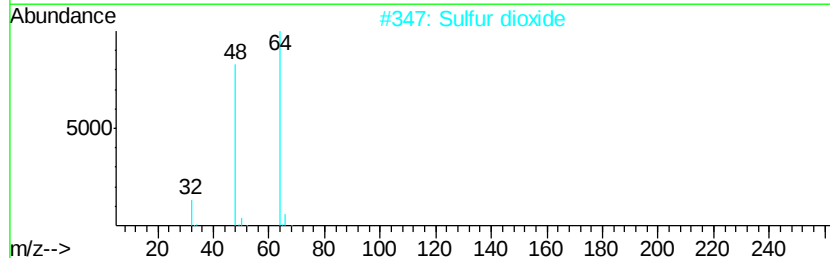
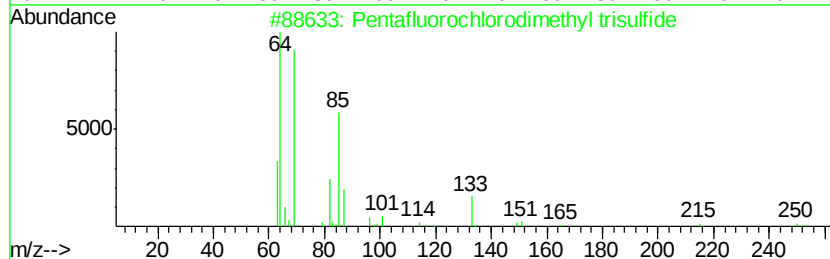
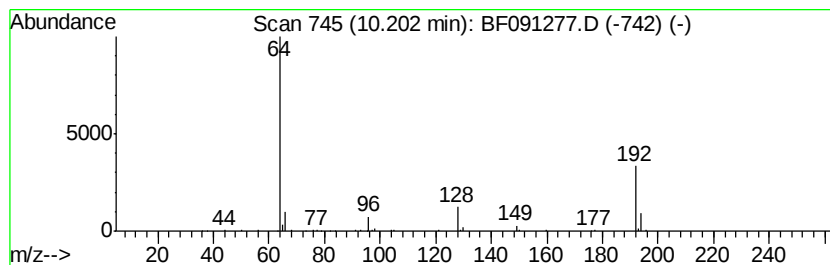
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown10.20 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	2.41 ng	198232	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluorochlorodimethyl trisul...	250	C2ClF5S3	1000226-65-9	9
2		Sulfur dioxide	64	O2S	007446-09-5	4
3		Ethyl Chloride	64	C2H5Cl	000075-00-3	4
4		Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5		Di(tert-butyl) trisulfide, perfl...	534	C8F18S3	016005-64-4	4



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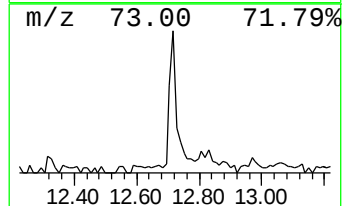
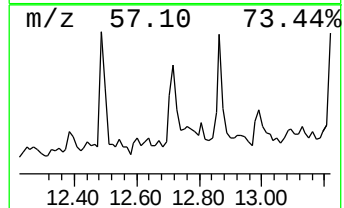
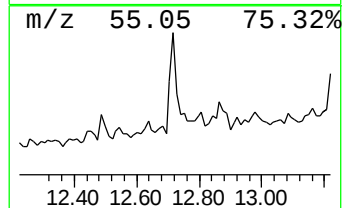
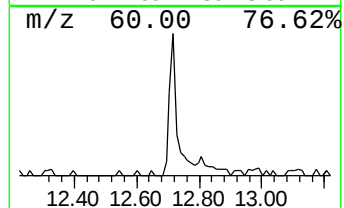
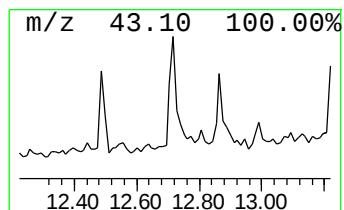
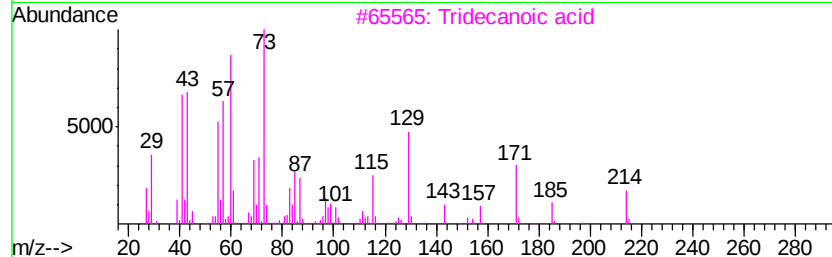
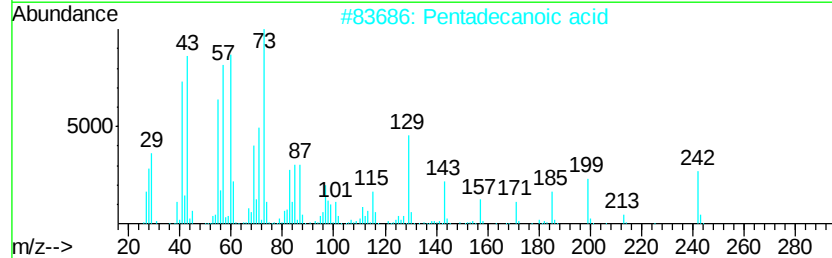
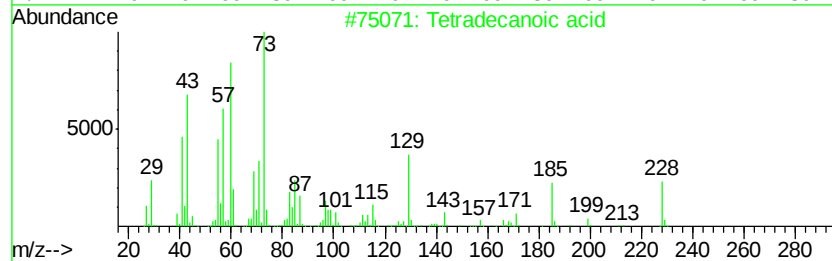
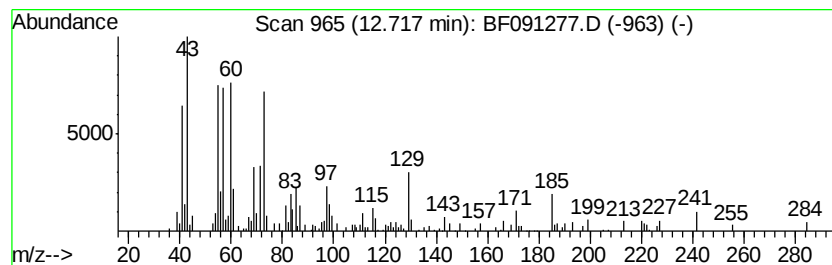
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Tetradecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	2.68 ng	193159	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3		Tridecanoic acid	214	C13H26O2	000638-53-9	52
4		n-Decanoic acid	172	C10H20O2	000334-48-5	50
5		Dodecanoic acid	200	C12H24O2	000143-07-7	50



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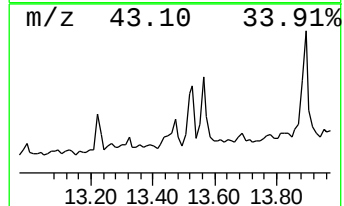
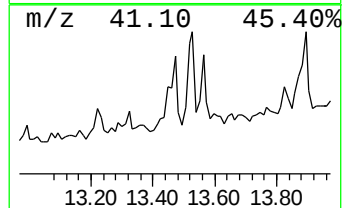
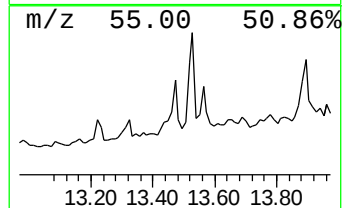
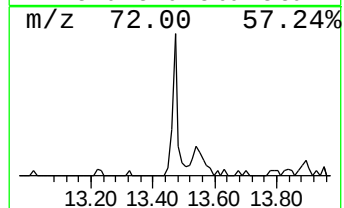
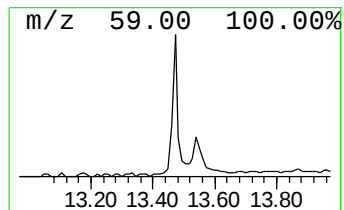
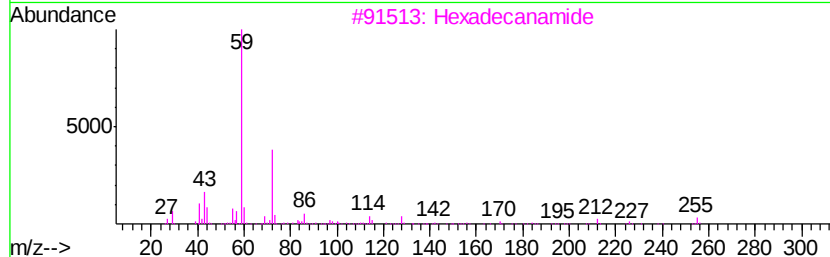
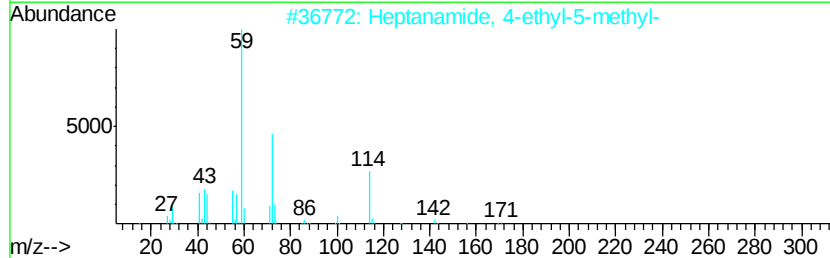
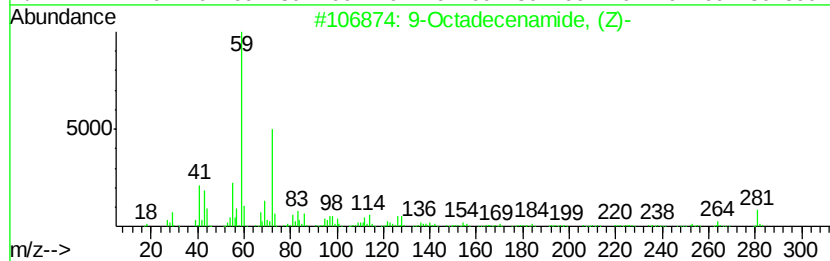
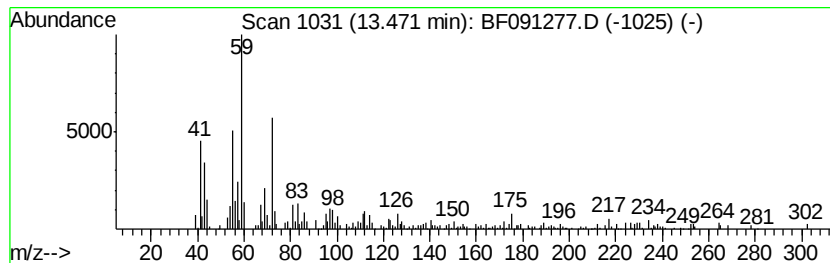
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Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.47	3.33 ng	319462	Chrysene-d12	14.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	83
2	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	62
3	Hexadecanamide	255	C16H33NO	000629-54-9	59
4	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FN03	061338-98-5	53
5	1,1-Dimethyl-1-silacyclobutane	100	C5H12Si	002295-12-7	53



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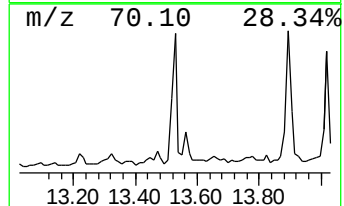
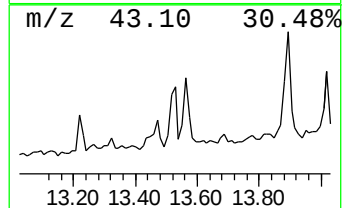
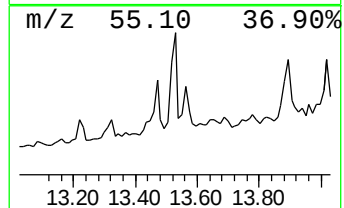
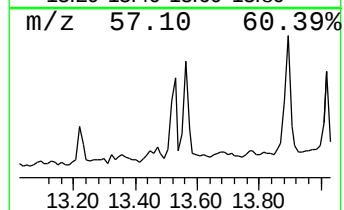
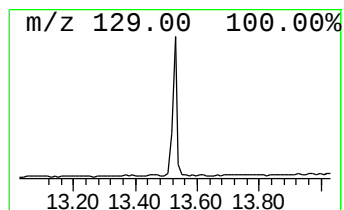
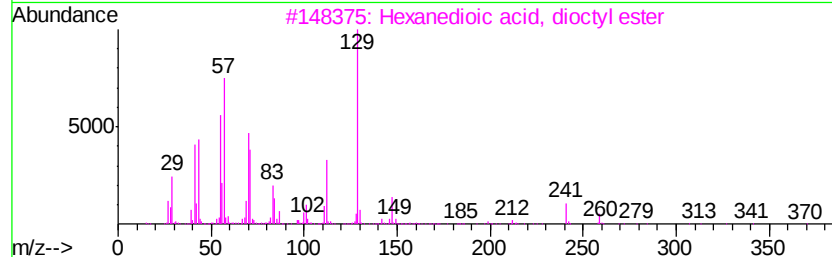
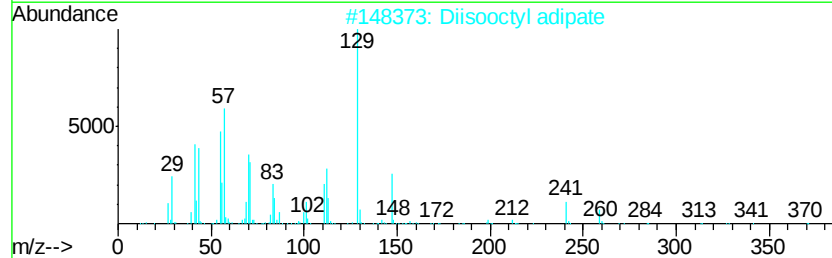
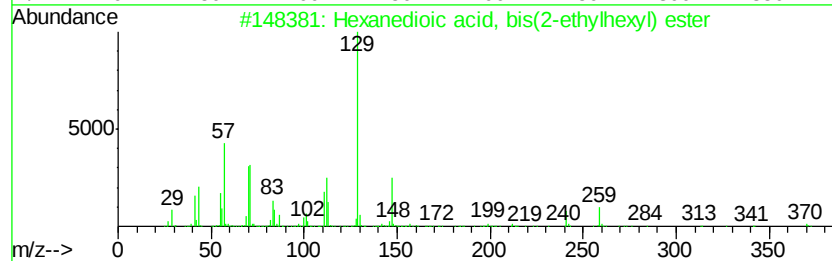
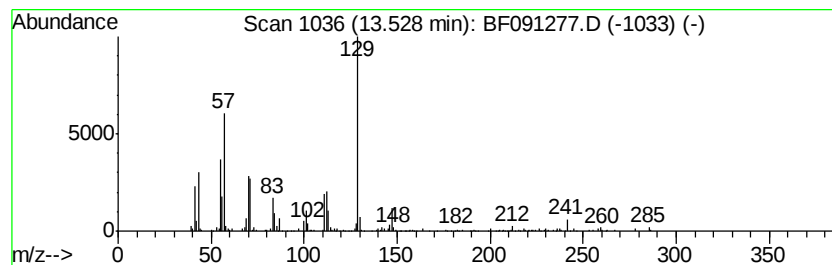
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexanedioic acid, bis(2-eth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.76 ng	265237	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	78
2		Diisooctyl adipate	370	C22H42O4	001330-86-5	78
3		Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	52
4		Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	43
5		Hexanedioic acid, dihexyl ester	314	C18H34O4	000110-33-8	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091277.D
Acq On : 23 Nov 2016 15:51
Operator : UM/SJ
Sample : H5723-02 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

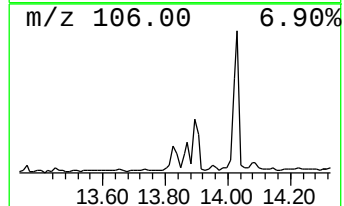
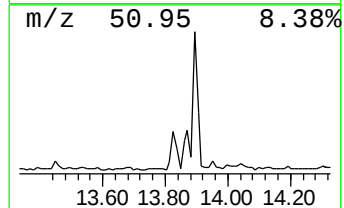
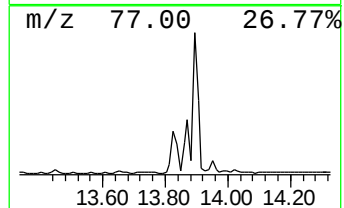
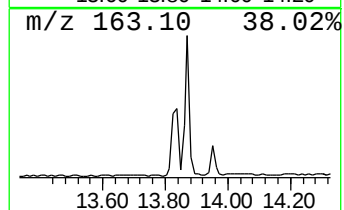
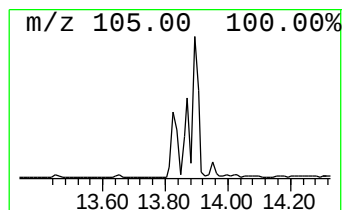
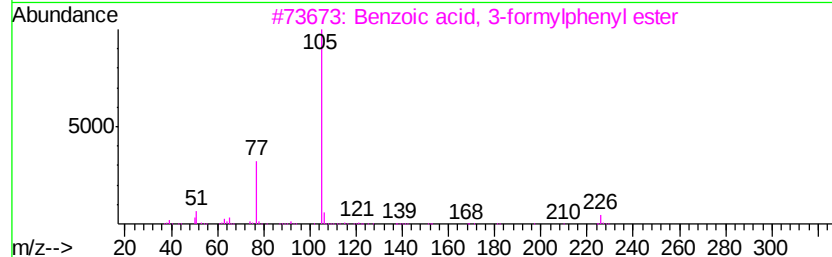
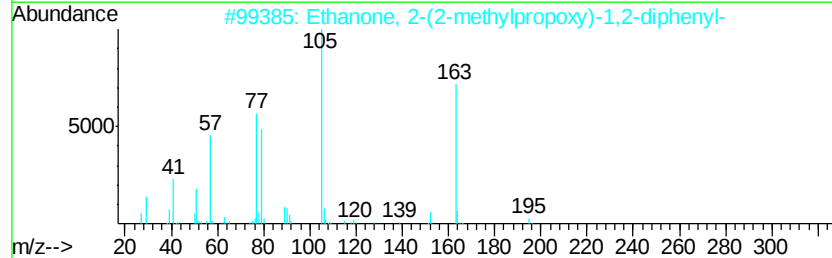
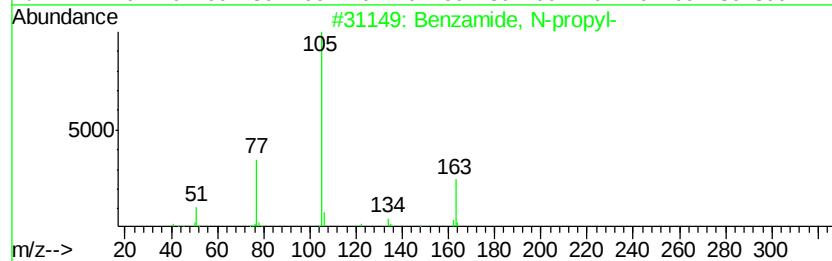
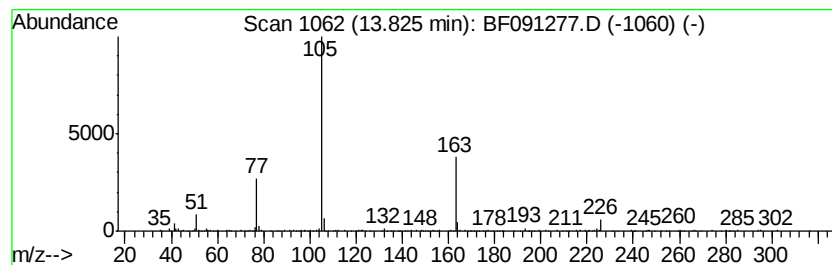
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzamide, N-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.54 ng	243399	Chrysene-d12	14.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzamide, N-propyl-	163 C10H13NO	010546-70-0 72
2		Ethanone, 2-(2-methylpropoxy)-1,...	268 C18H20O2	022499-12-3 50
3		Benzoic acid, 3-formylphenyl ester	226 C14H10O3	033696-06-9 49
4		1,2-Ethanediol, dibenzoate	270 C16H14O4	000094-49-5 43
5		2,6-Dimethylphenyl benzoate	226 C15H14O2	001871-36-9 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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Sample : H5723-02 5X
Misc :
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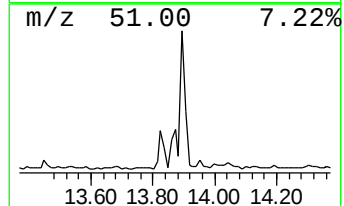
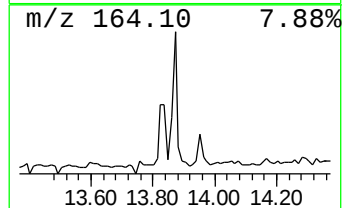
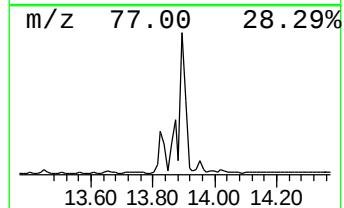
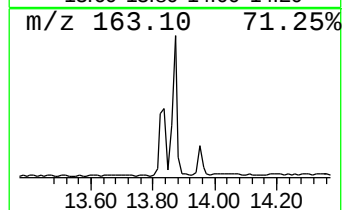
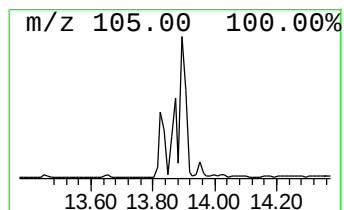
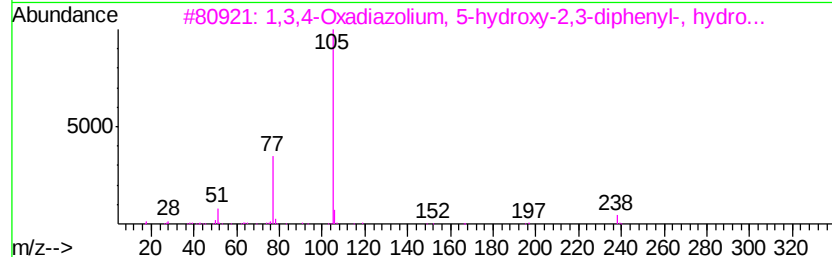
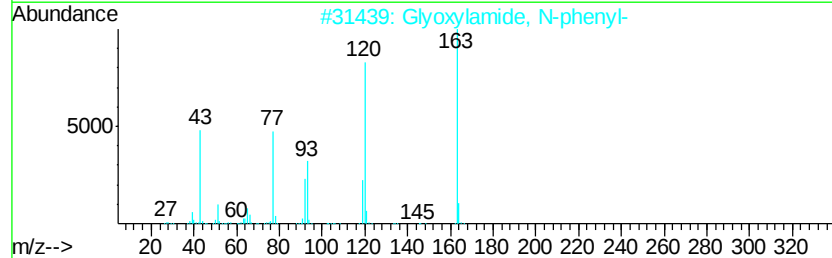
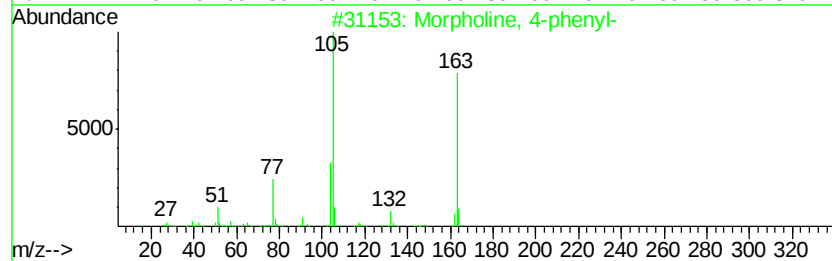
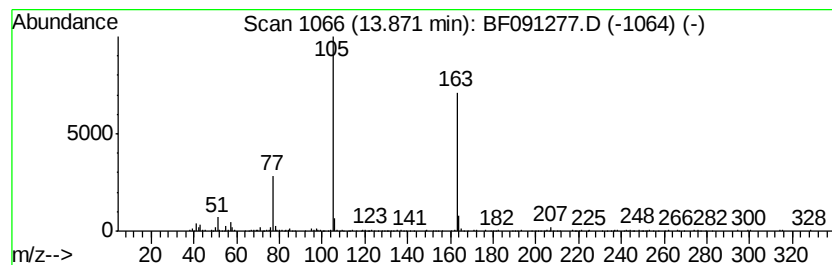
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Morpholine, 4-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.87	3.39 ng	325936	Chrysene-d12	14.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	59
2		Glyoxylamide, N-phenyl-	163	C9H9NO2	032331-52-5	47
3		1,3,4-Oxadiazolium, 5-hydroxy-2,...	238	C14H10N2O2	024660-41-1	27
4		Crotonic acid, 2-benzamido-, met...	219	C12H13NO3	105909-91-9	27
5		Isopropyl phenyl ketone	148	C10H12O	000611-70-1	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091277.D
Acq On : 23 Nov 2016 15:51
Operator : UM/SJ
Sample : H5723-02 5X
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ALS Vial : 7 Sample Multiplier: 1

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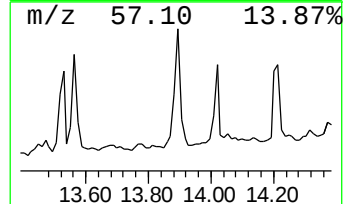
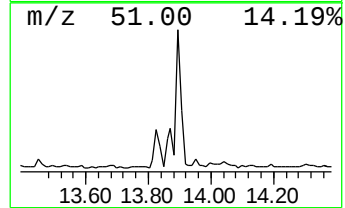
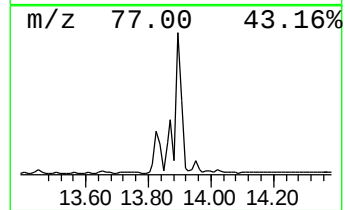
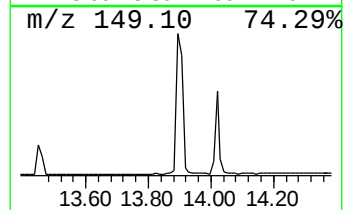
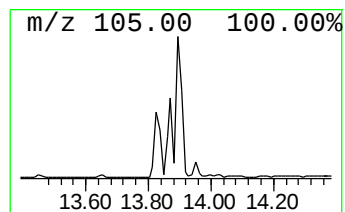
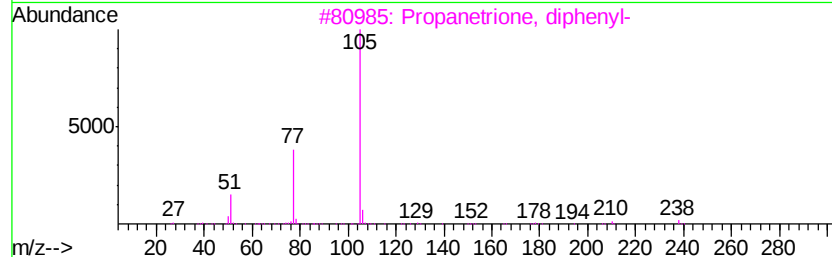
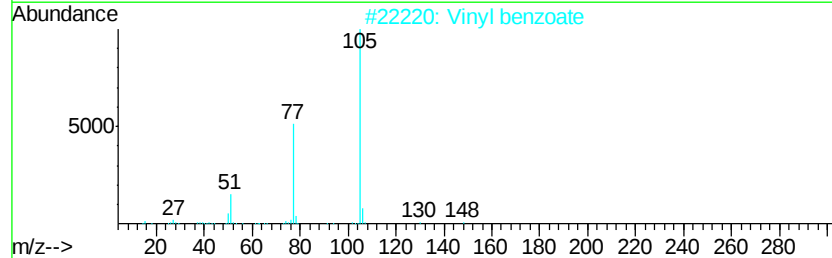
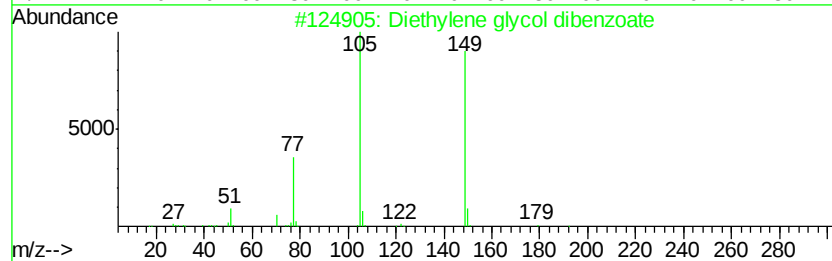
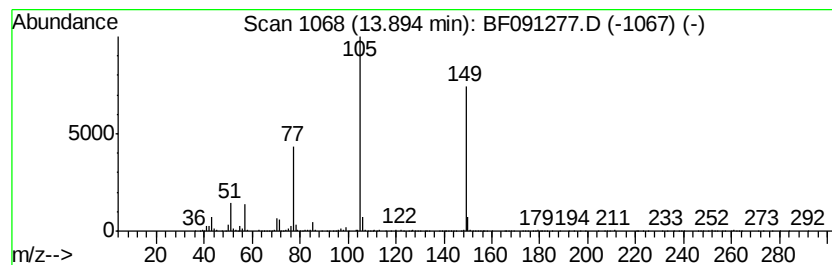
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown13.89 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	6.28 ng	603181	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	38
2		Vinyl benzoate	148	C9H8O2	000769-78-8	30
3		Propanetrione, diphenyl-	238	C15H10O3	000643-75-4	27
4		Benzamide, N-[5-(1-cyano-2-methy...	284	C14H12N4OS	172535-11-4	27
5		3-(Benzoylthio)-2-methylpropanoi...	224	C11H12O3S	067714-34-5	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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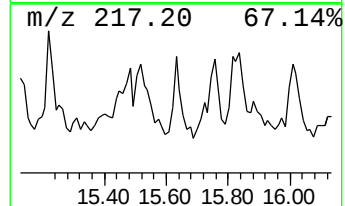
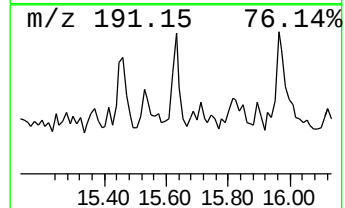
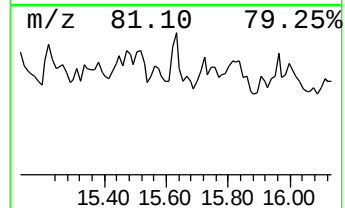
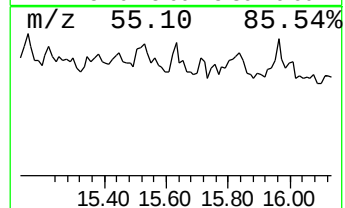
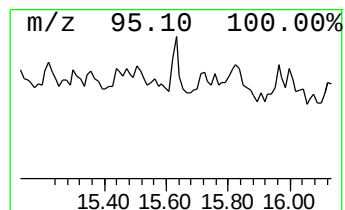
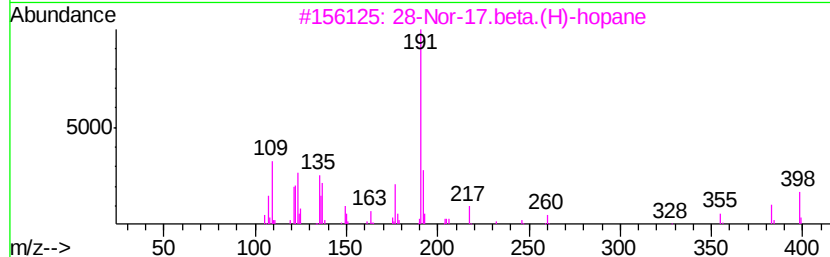
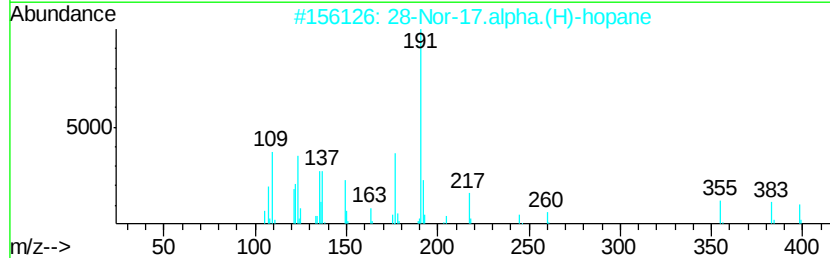
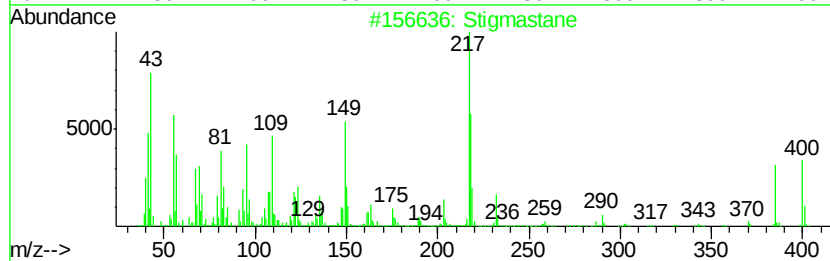
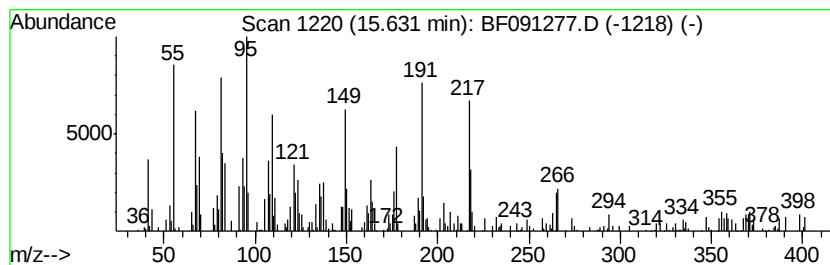
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Stigmastane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.63	2.61 ng	147270	Perylene-d12	15.47		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Stigmastane	400	C29H52	000601-58-1	92
2		28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	64
3		28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	42
4		Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	35
5		9,9'-Biphenanthrene, octacosahydro-	382	C28H46	055334-18-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091277.D
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Operator : UM/SJ
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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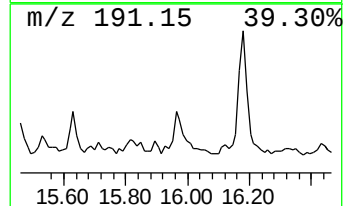
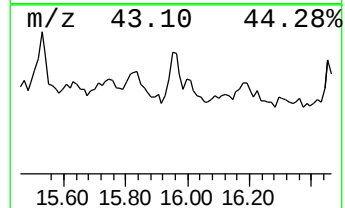
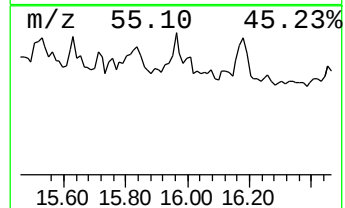
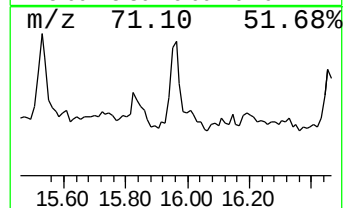
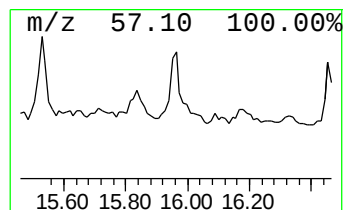
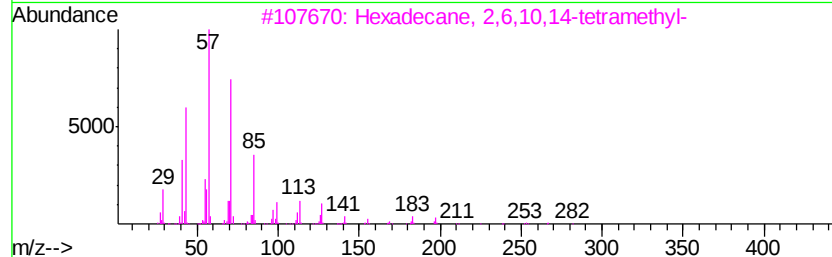
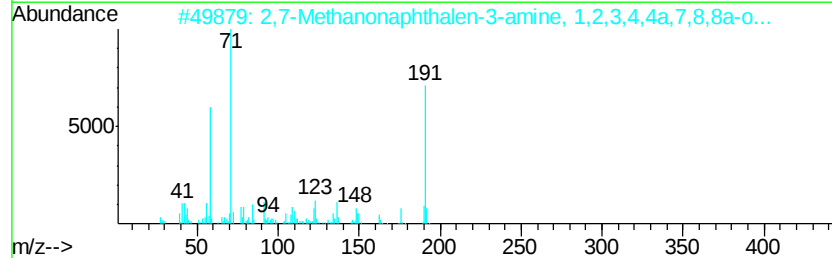
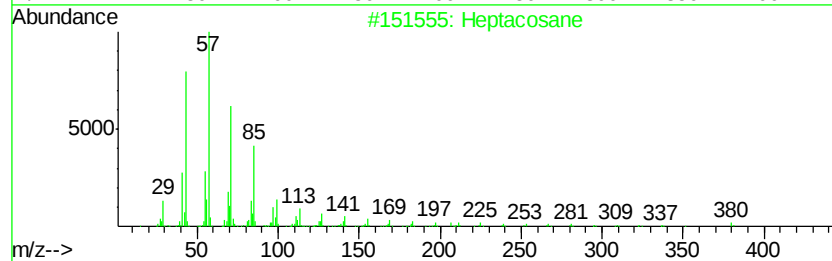
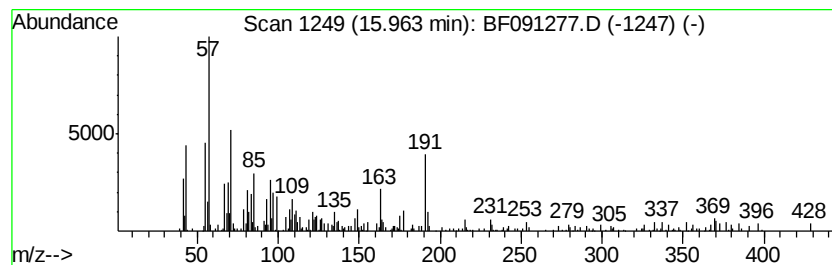
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.13 ng	120315	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	51
2		2,7-Methanonaphthalen-3-amine, 1...	191	C13H21N	077483-32-0	38
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	35
4		Tricosane	324	C23H48	000638-67-5	30
5		Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

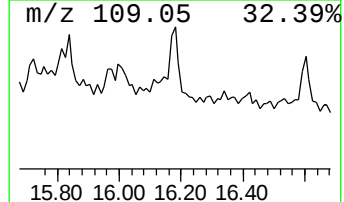
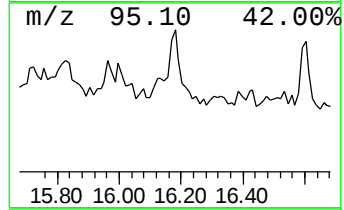
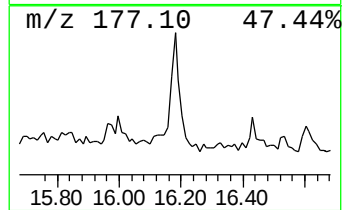
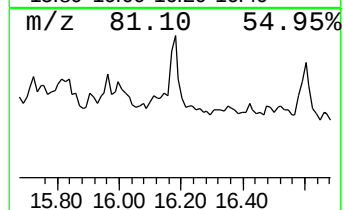
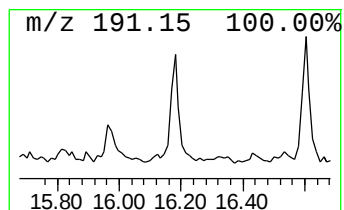
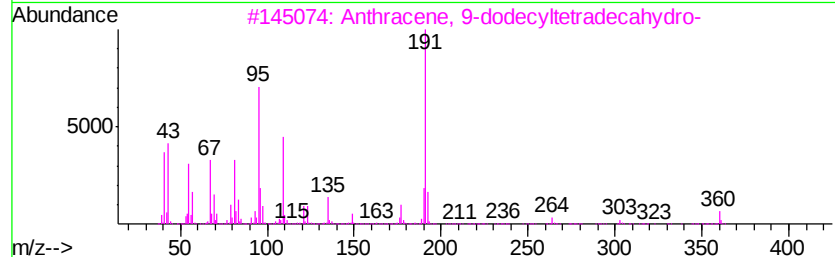
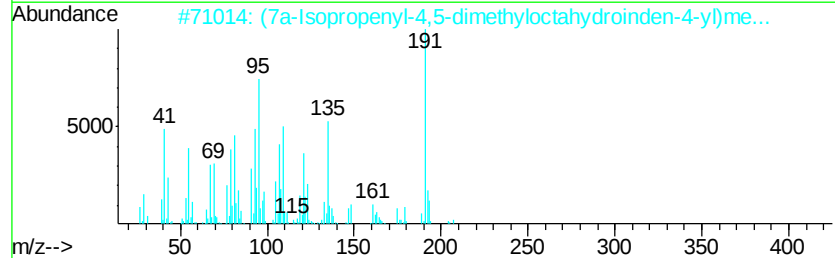
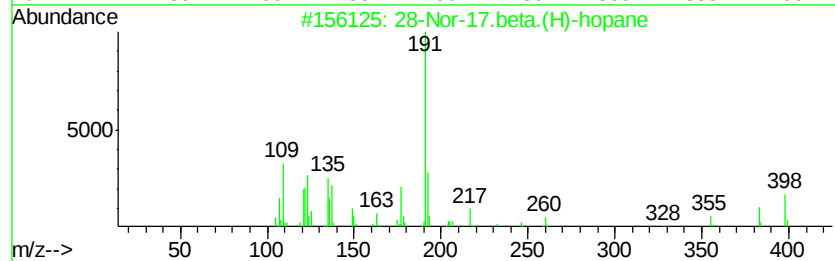
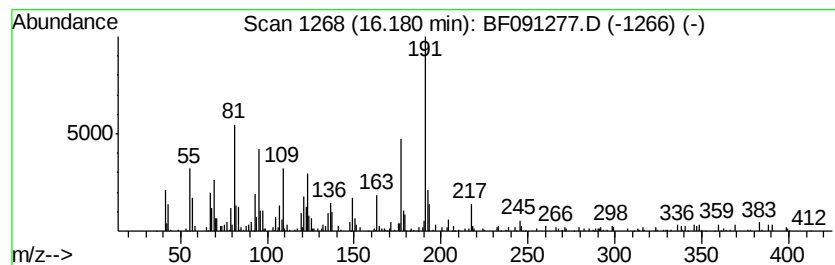
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 28-Nor-17.beta.(H)-hopane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	4.62 ng	260591	Perylene-d12	15.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	28-Nor-17.beta.(H)-hopane	398 C29H50	036728-72-0	58
2	(7a-Isopropenyl-4,5-dimethylocta...	222 C15H260	1000187-02-9	42
3	Anthracene, 9-dodecyltetradeca...	360 C26H48	055401-75-7	37
4	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206 C14H220	1000195-40-9	32
5	5-(p-Aminophenyl)-2-thiazolamine	191 C9H9N3S	090349-87-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091277.D
Acq On : 23 Nov 2016 15:51
Operator : UM/SJ
Sample : H5723-02 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

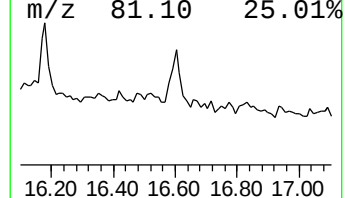
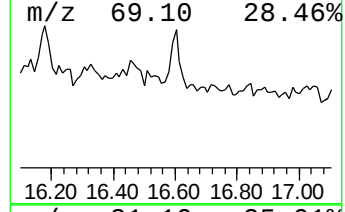
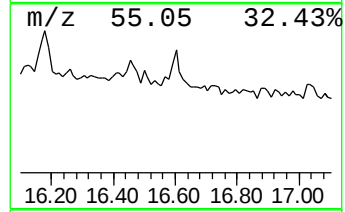
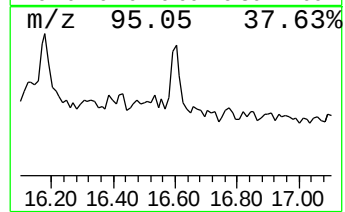
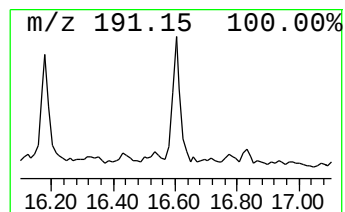
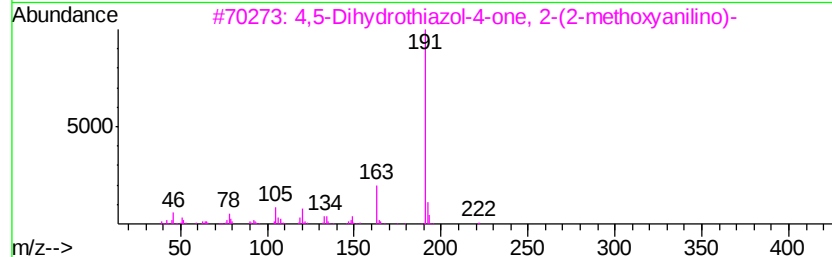
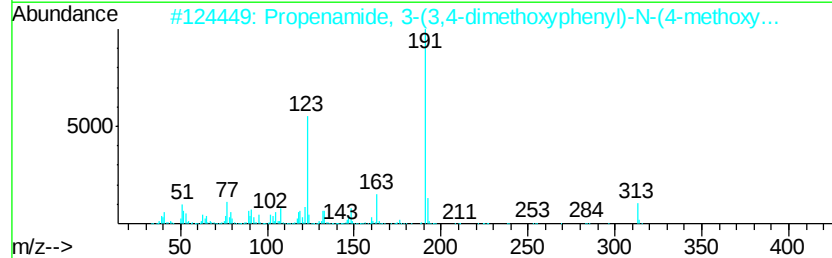
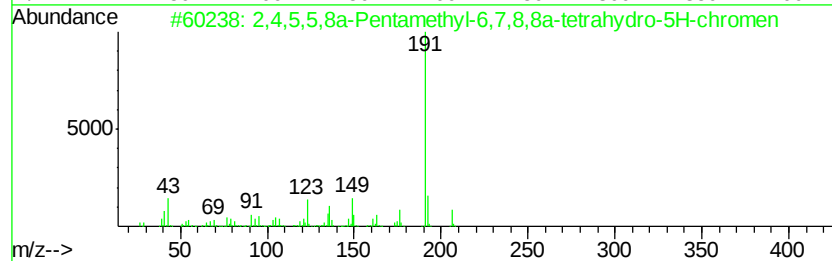
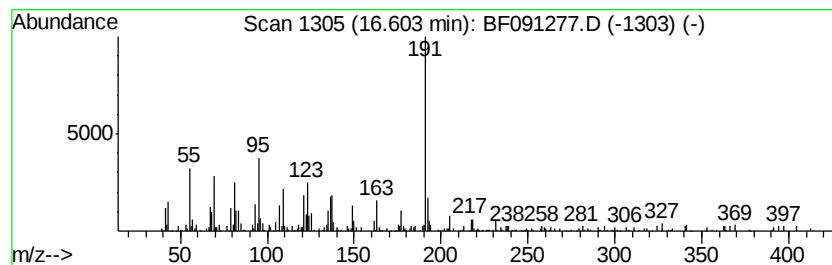
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BNA_F
ClientSampleId :
T12-13-8HCOMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2,4,5,5,8a-Pentamethyl-6,7,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.60	4.07 ng	229772	Perylene-d12	15.47		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	53	
2	Propenamide, 3-(3,4-dimethoxyphe...	313	C18H19N04	339165-72-9	50	
3	4,5-Dihydrothiazol-4-one, 2-(2-m...	222	C10H10N2O2S	022476-61-5	49	
4	1-(2,6-Dimethyl-4-propoxy-phenyl...	234	C15H22O2	1000190-22-0	46	
5	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	46	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091277.D
 Acq On : 23 Nov 2016 15:51
 Operator : UM/SJ
 Sample : H5723-02 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T12-13-8HCOMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.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
2-Pentanone, 4-hy...	5.05	6.0 ng		365014	1	6.88	1222530	20.0
unknown6.64	6.64	18.8 ng		1151210	1	6.88	1222530	20.0
unknown10.20	10.20	2.4 ng		198232	3	9.92	1647330	20.0
Tetradecanoic acid	12.72	2.7 ng		193159	4	11.40	1441120	20.0
9-Octadecenamide,...	13.47	3.3 ng		319462	5	14.03	1920240	20.0
Hexanedioic acid,...	13.53	2.8 ng		265237	5	14.03	1920240	20.0
Benzamide, N-propyl-	13.83	2.5 ng		243399	5	14.03	1920240	20.0
Morpholine, 4-phe...	13.87	3.4 ng		325936	5	14.03	1920240	20.0
unknown13.89	13.89	6.3 ng		603181	5	14.03	1920240	20.0
Stigmastane	15.63	2.6 ng		147270	6	15.47	1127820	20.0
Heptacosane	15.96	2.1 ng		120315	6	15.47	1127820	20.0
28-Nor-17.beta.(H...	16.18	4.6 ng		260591	6	15.47	1127820	20.0
2,4,5,5,8a-Pentam...	16.60	4.1 ng		229772	6	15.47	1127820	20.0