

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087736.D
 Acq On : 6 Jun 2016 5:21
 Operator : UM/SJ
 Sample : H3391-01
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216

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-BF060416.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	1.827	19	21	24	rVB	1019978	1198124	4.46%	1.013%
2	1.907	26	28	46	rVB	1718284	2825780	10.52%	2.388%
3	3.827	192	196	199	rVB	227422	362083	1.35%	0.306%
4	4.398	243	246	249	rBV	105337	308823	1.15%	0.261%
5	4.501	251	255	260	rVB	161996	498820	1.86%	0.422%
6	5.187	307	315	316	rBV2	4886753	21379237	79.56%	18.067%
7	5.484	339	341	344	rBV	672374	987436	3.67%	0.834%
8	6.604	429	439	442	rBV	5011229	26870865	100.00%	22.708%
9	6.673	442	445	447	rVB2	1283922	1862625	6.93%	1.574%
10	6.810	455	457	460	rVB	517267	579653	2.16%	0.490%
11	6.902	460	465	466	rBV2	4288543	6521233	24.27%	5.511%
12	7.050	473	478	481	rVB2	4260699	7289333	27.13%	6.160%
13	7.267	494	497	499	rBV	551130	631669	2.35%	0.534%
14	7.427	508	511	515	rBV	1449503	2248004	8.37%	1.900%
15	7.576	518	524	526	rBV	5054043	12443255	46.31%	10.516%
16	7.736	534	538	540	rVB2	353037	551280	2.05%	0.466%
17	8.113	568	571	573	rBV	485446	796882	2.97%	0.673%
18	8.147	573	574	577	rVV2	1030796	1235161	4.60%	1.044%
19	8.216	579	580	587	rVB3	166391	360259	1.34%	0.304%
20	8.342	587	591	593	rBV	3058231	4143068	15.42%	3.501%
21	8.719	621	624	626	rVB	279367	346057	1.29%	0.292%
22	8.822	626	633	636	rBV2	1642702	2907078	10.82%	2.457%
23	9.096	653	657	661	rBV2	310023	508986	1.89%	0.430%
24	9.176	661	664	666	rVV	3098649	4305422	16.02%	3.638%
25	9.233	666	669	670	rVV	3264863	3800897	14.15%	3.212%
26	9.348	675	679	681	rVV4	220252	325950	1.21%	0.275%
27	9.450	685	688	690	rVB	729240	892580	3.32%	0.754%
28	9.519	691	694	696	rVB	784196	730374	2.72%	0.617%
29	9.896	725	727	730	rVB	911524	1023456	3.81%	0.865%
30	10.685	793	796	799	rVV	1475391	1434320	5.34%	1.212%
31	10.776	802	804	806	rBV2	552065	546507	2.03%	0.462%
32	11.382	855	857	859	rBV	1095971	992902	3.70%	0.839%
33	11.919	902	904	906	rBV2	209815	272811	1.02%	0.231%
34	12.971	993	996	998	rVV	2554940	2544297	9.47%	2.150%

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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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35	14.011	1080	1087	1091	rBV	800014	1080687	4.02%	0.913%
36	14.457	1122	1126	1128	rBV3	106668	277186	1.03%	0.234%
37	15.440	1209	1212	1215	rBV	505384	621541	2.31%	0.525%
38	16.251	1270	1283	1307	rBV3	251891	2625484	9.77%	2.219%

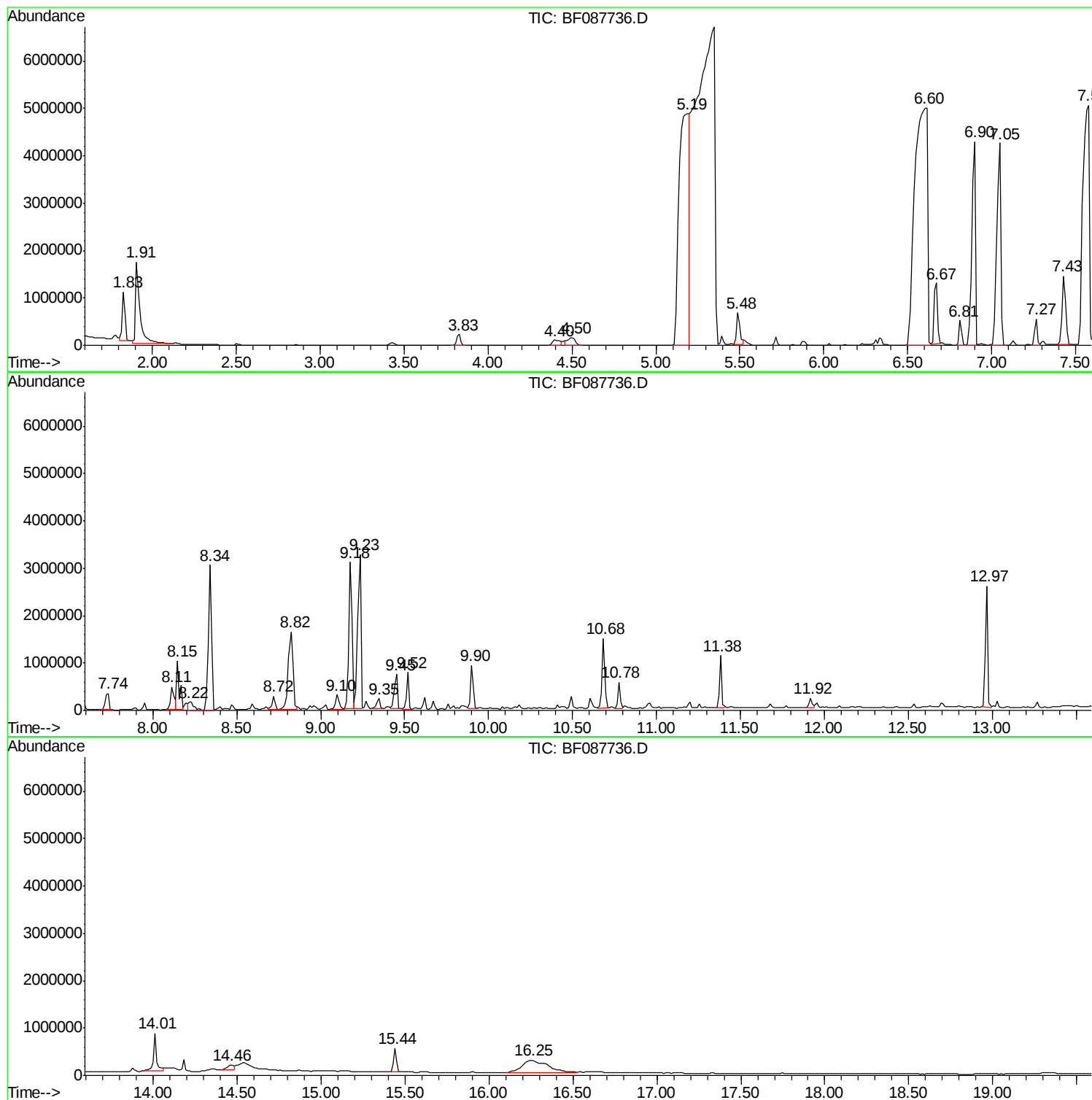
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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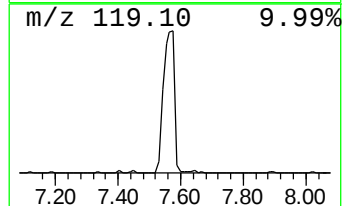
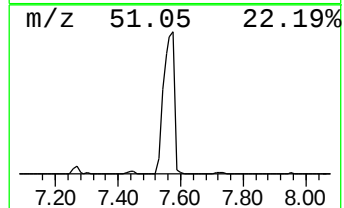
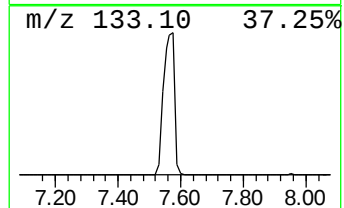
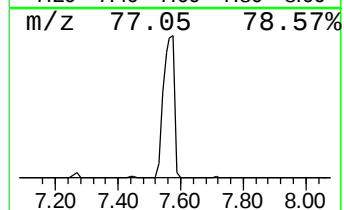
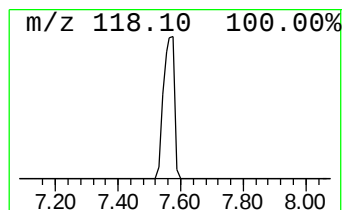
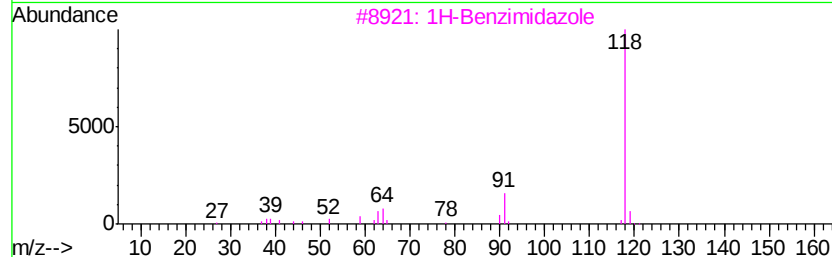
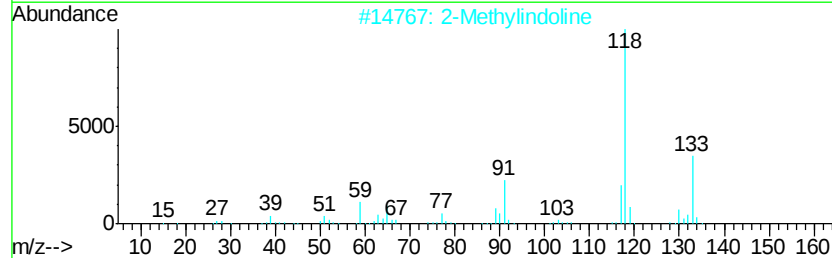
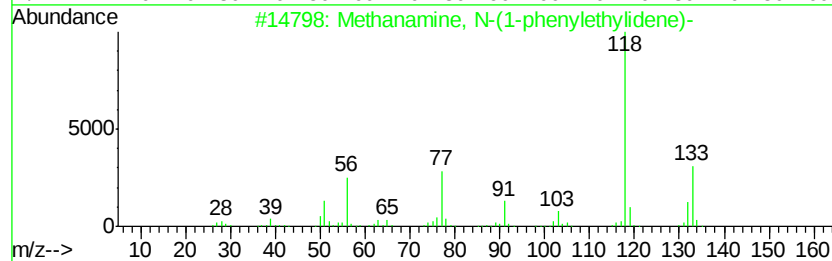
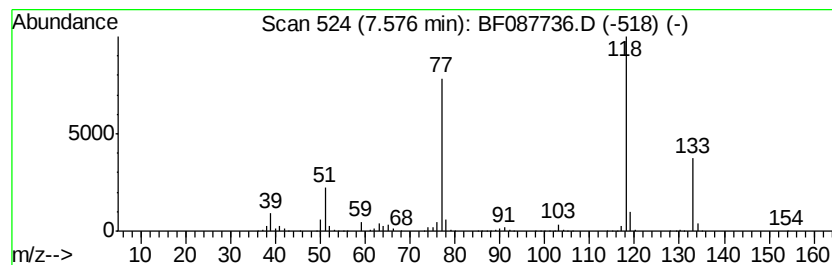
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown7.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	201.48 ng	12443300	Napthalene-d8	8.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methanamine, N-(1-phenylethylidene-...	133	C9H11N	006907-71-7	40
2		2-Methylindoline	133	C9H11N	006872-06-6	32
3		1H-Benzimidazole	118	C7H6N2	000051-17-2	27
4		Benzenecarboximidoyl bromide, N-...	197	C8H8BrN	041182-85-8	25
5		N-Methylbenzimidoyl chloride	153	C8H8ClN	021737-87-1	25



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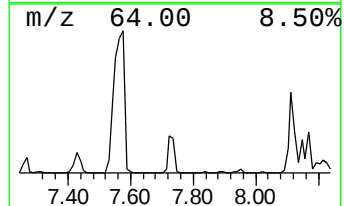
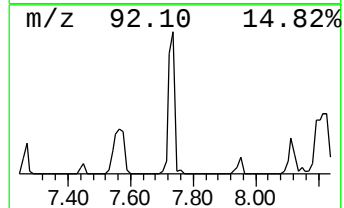
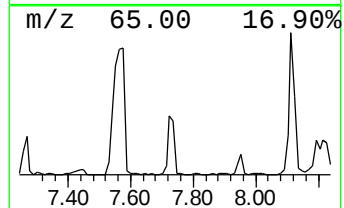
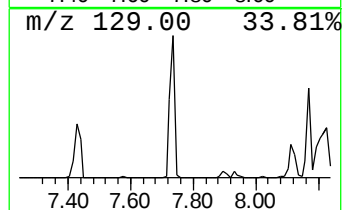
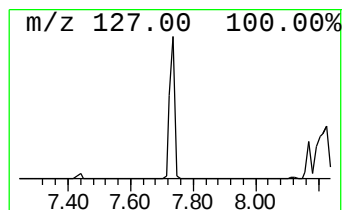
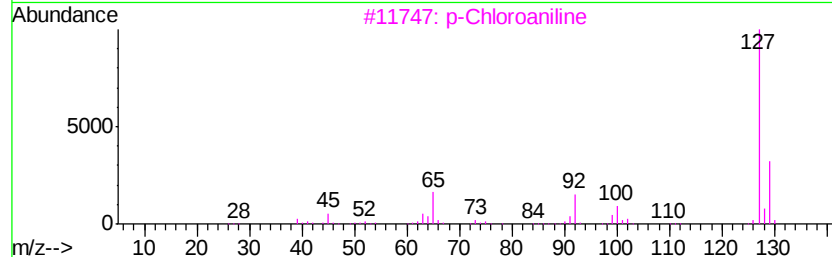
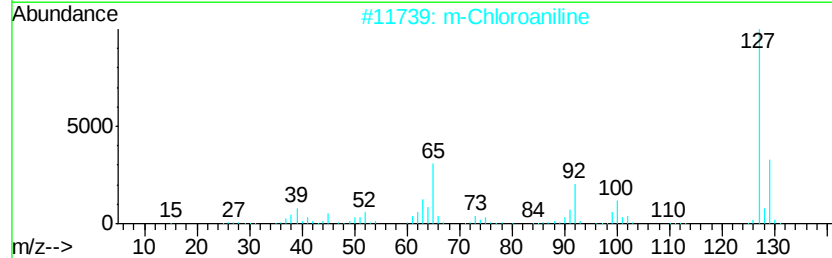
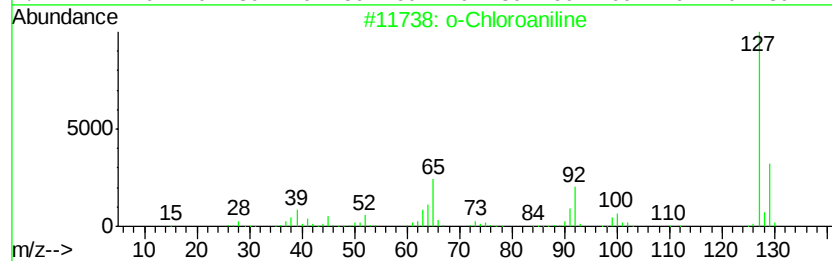
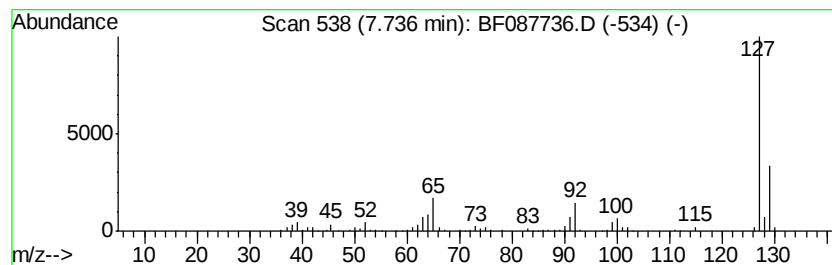
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 o-Chloroaniline Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	8.93 ng	551280	Napthalene-d8	8.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Chloroaniline	127	C6H6ClN	000095-51-2	95
2		m-Chloroaniline	127	C6H6ClN	000108-42-9	94
3		p-Chloroaniline	127	C6H6ClN	000106-47-8	91
4		Picloxydine	474	C20H24Cl2N10	005636-92-0	83
5		4-(Chloromethyl)pyridine	127	C6H6ClN	010445-91-7	78



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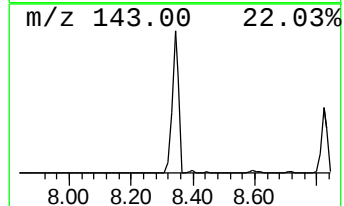
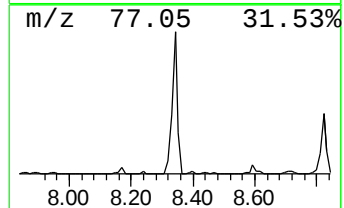
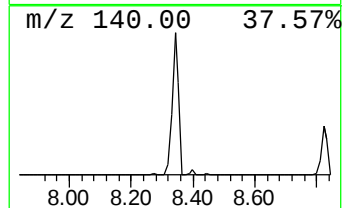
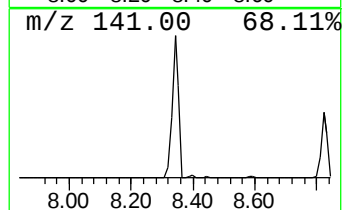
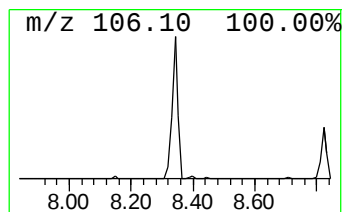
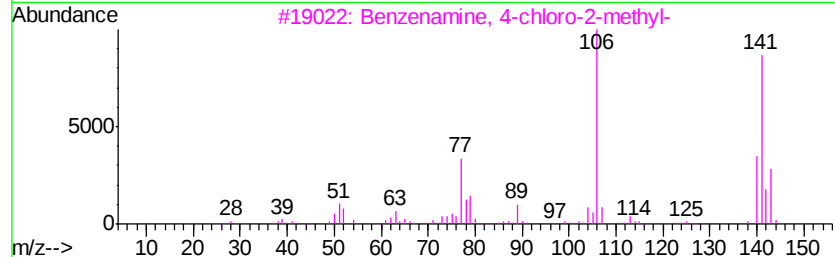
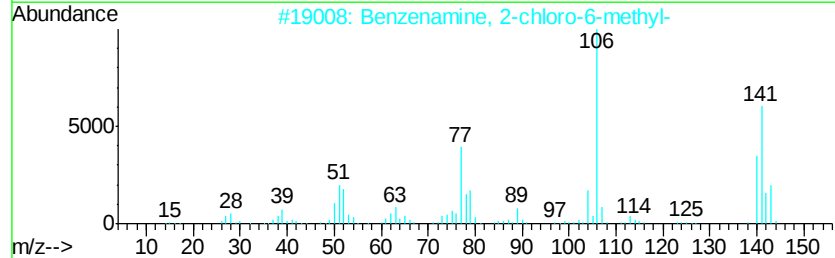
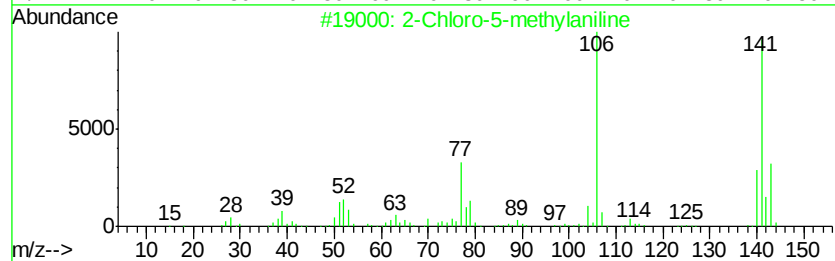
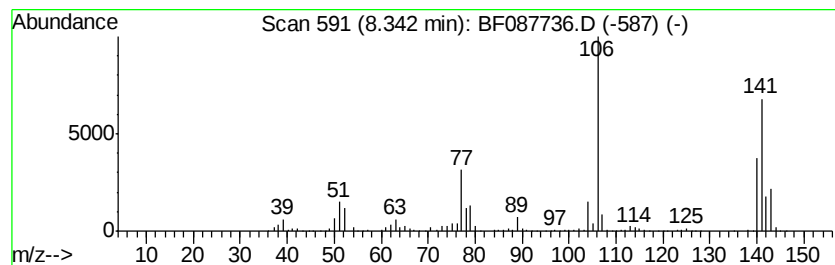
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2-Chloro-5-methylaniline Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.34	67.09 ng	4143070	Napthalene-d8	8.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5-methylaniline	141	C7H8ClN	000095-81-8	97
2	Benzenamine, 2-chloro-6-methyl-	141	C7H8ClN	000087-63-8	96
3	Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	96
4	Benzenamine, 3-chloro-2-methyl-	141	C7H8ClN	000087-60-5	93
5	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	91



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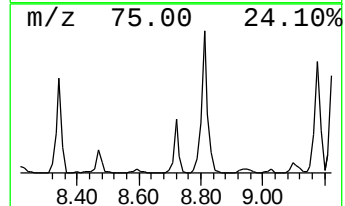
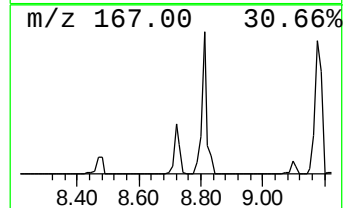
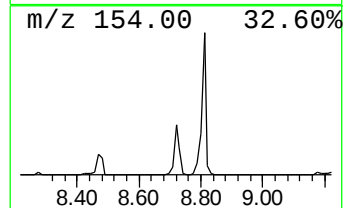
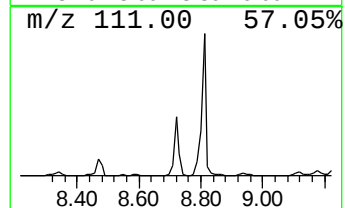
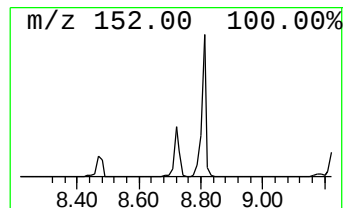
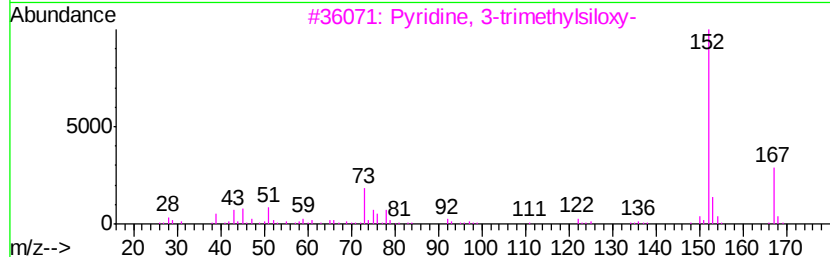
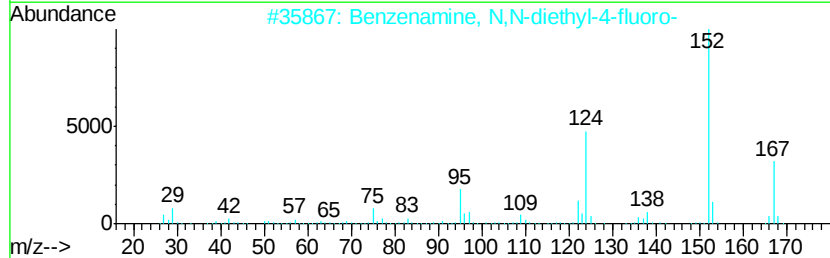
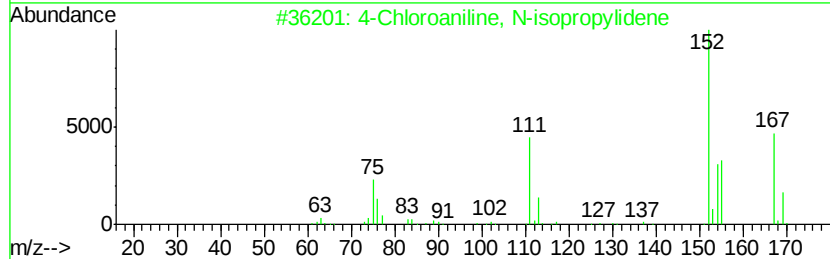
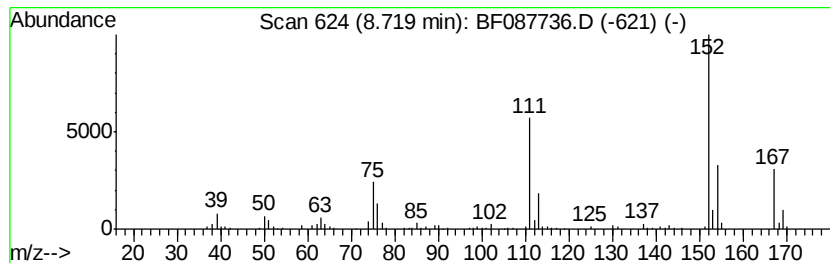
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TIC Library : C:\Database\NIST11.L
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Peak Number 7 4-Chloroaniline, N-isopropy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	5.60 ng	346057	Napthalene-d8	8.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloroaniline, N-isopropylidene	167	C9H10ClN	040938-43-0	94
2		Benzenamine, N,N-diethyl-4-fluoro-	167	C10H14FN	000347-39-7	38
3		Pvridine, 3-trimethylsiloxy-	167	C8H13NOSi	041571-88-4	38
4		Azacyclohex-3-en-5-one, 1-tert-b...	167	C10H17NO	339364-68-0	38
5		5-Chlorobenzimidazole	152	C7H5ClN2	004887-82-5	38



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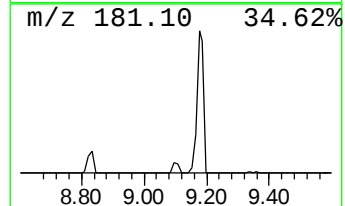
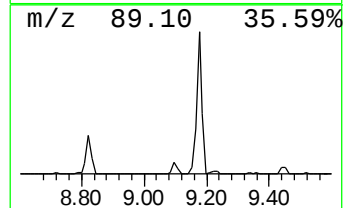
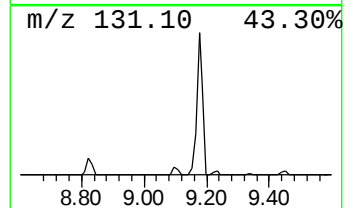
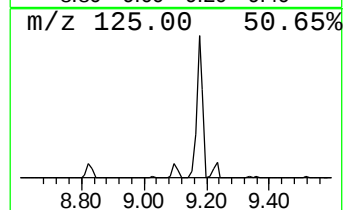
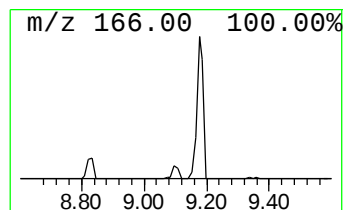
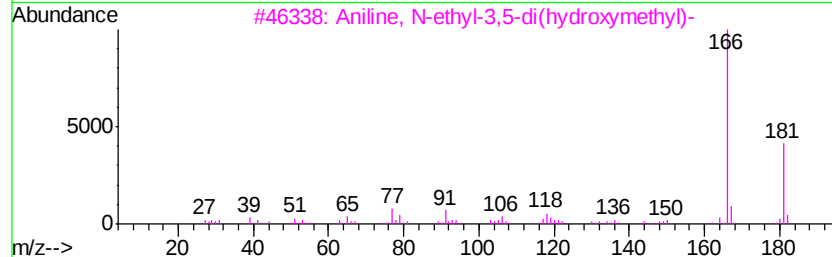
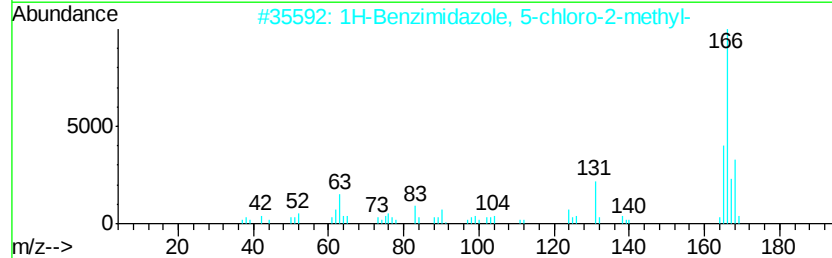
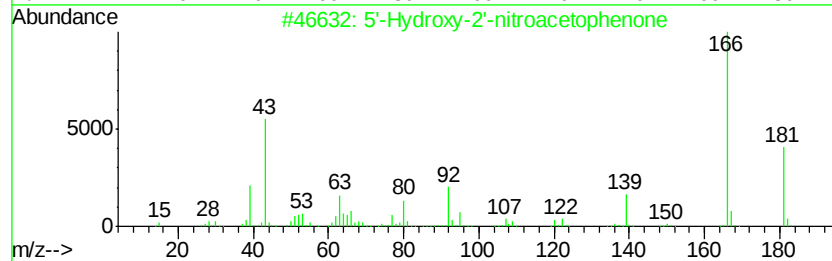
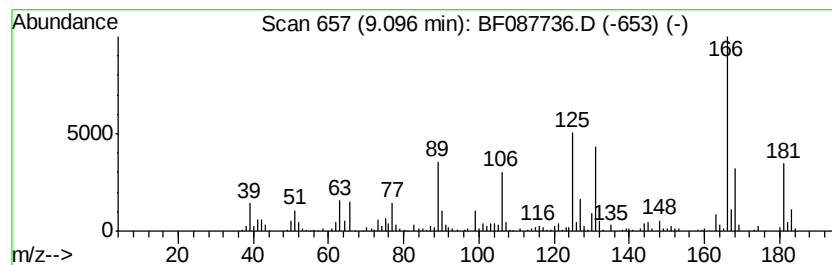
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Peak Number 8 unknown9.10 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	9.95 ng	508986	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5'-Hydroxy-2'-nitroacetophenone	181	C8H7NO4	030879-49-3	42
2		1H-Benzimidazole, 5-chloro-2-met...	166	C8H7ClN2	002818-69-1	38
3		Aniline, N-ethyl-3,5-di(hydroxym...	181	C10H15NO2	1000158-25-8	35
4		2-Chloro-4,6-dimethylpyridine-3-...	166	C8H7ClN2	014237-71-9	30
5		2,3-Dimethyl-6-nitroaniline	166	C8H10N2O2	059146-96-2	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087736.D
Acq On : 6 Jun 2016 5:21
Operator : UM/SJ
Sample : H3391-01
Misc :
ALS Vial : 72 Sample Multiplier: 1

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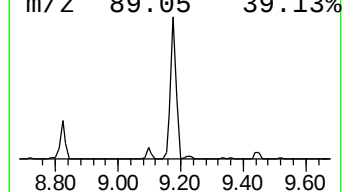
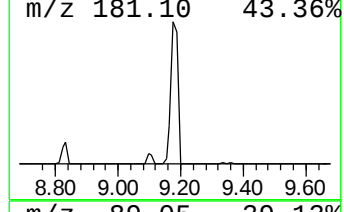
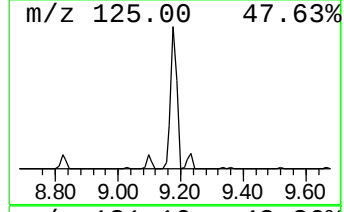
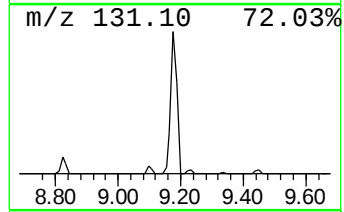
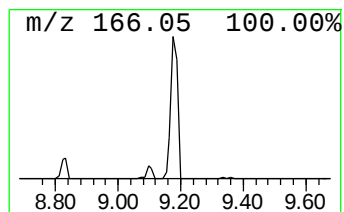
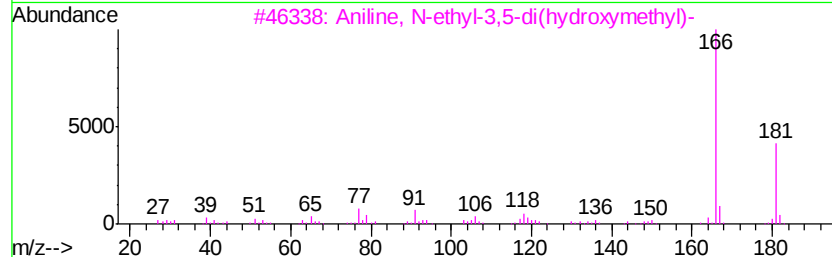
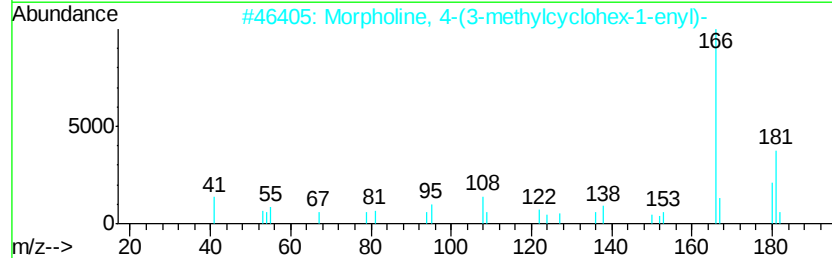
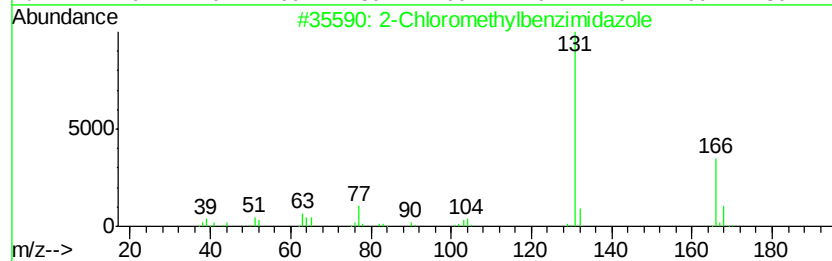
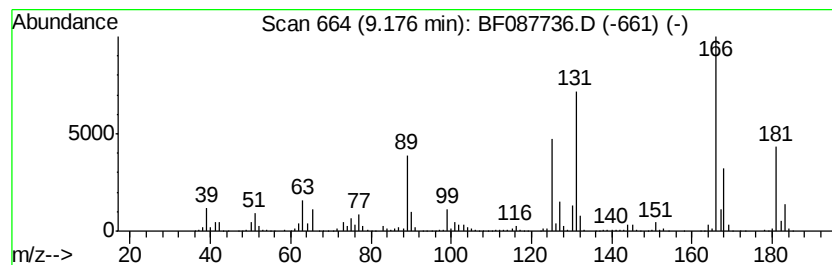
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown9.18 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	84.14 ng	4305420	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Chloromethylbenzimidazole	166	C8H7ClN2	004857-04-9	45
2		Morpholine, 4-(3-methylcyclohex-...	181	C11H19NO	1000146-93-2	38
3		Aniline, N-ethyl-3,5-di(hydroxym...	181	C10H15NO2	1000158-25-8	35
4		Ethanone, 1-(2-hydroxy-5-nitroph...	181	C8H7NO4	001450-76-6	30
5		5'-Hydroxy-2'-nitroacetophenone	181	C8H7NO4	030879-49-3	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
Data File : BF087736.D
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Sample : H3391-01
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ClientSampleId :
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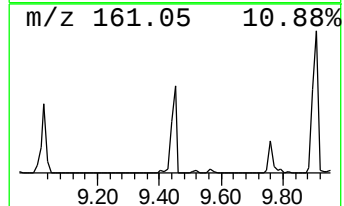
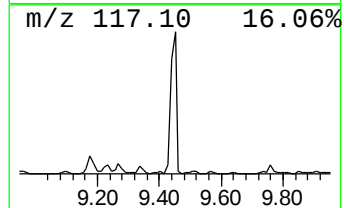
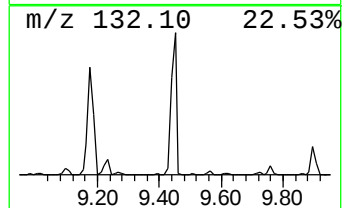
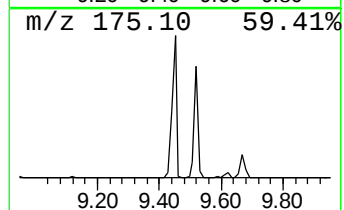
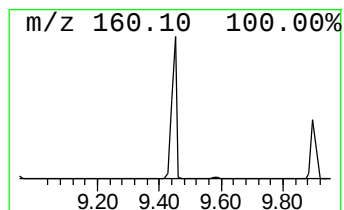
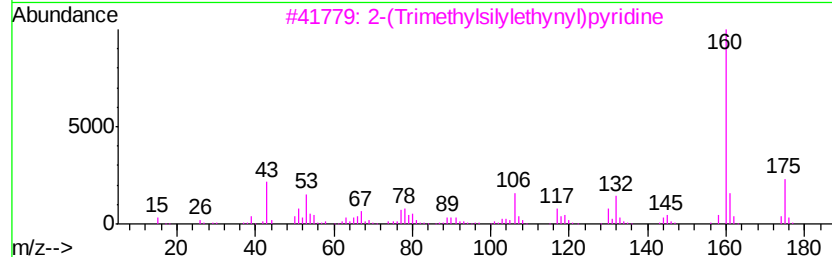
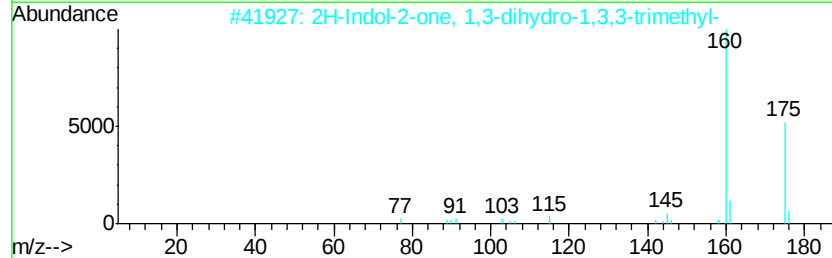
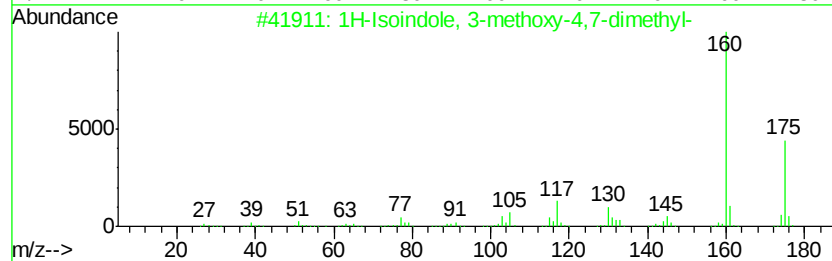
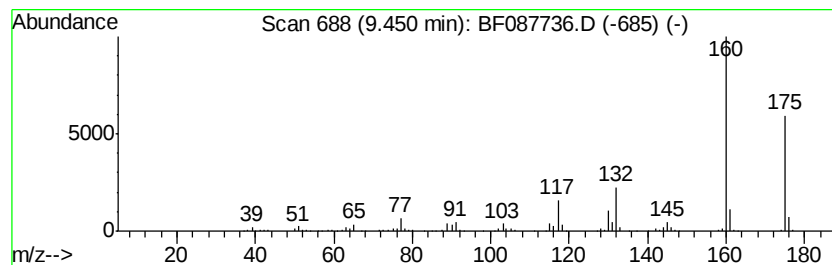
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Isoindole, 3-methoxy-4,7... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	17.44 ng	892580	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Isoindole, 3-methoxy-4,7-dime...	175	C11H13NO	100813-60-3	87
2		2H-Indol-2-one, 1,3-dihydro-1,3,...	175	C11H13NO	020200-86-6	76
3		2-(Trimethylsilylethynyl)pyridine	175	C10H13NSi	086521-05-3	50
4		Chromium, pentacarbonyl-(eta.-1...	367	C16H13CrN06	1000157-48-7	50
5		3-[(2-Methoxy-5-nitro-benzyliden...	338	C17H14N4O4	339284-68-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
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Misc :
ALS Vial : 72 Sample Multiplier: 1

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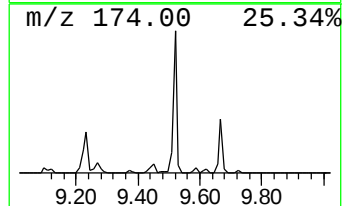
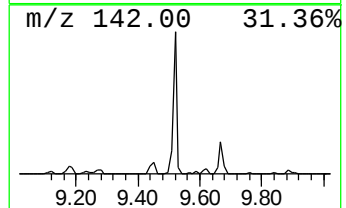
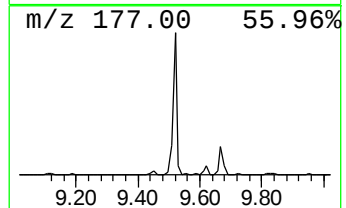
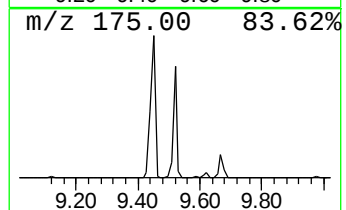
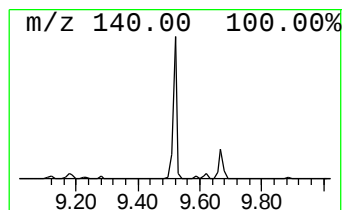
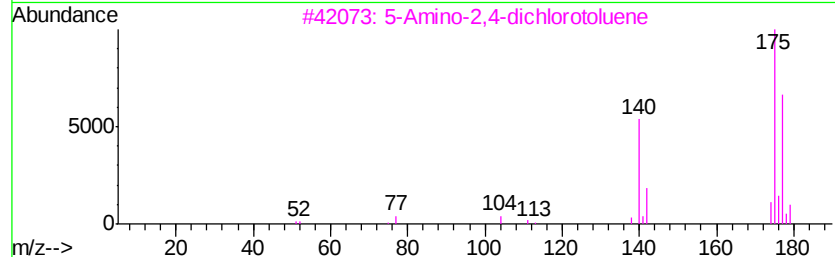
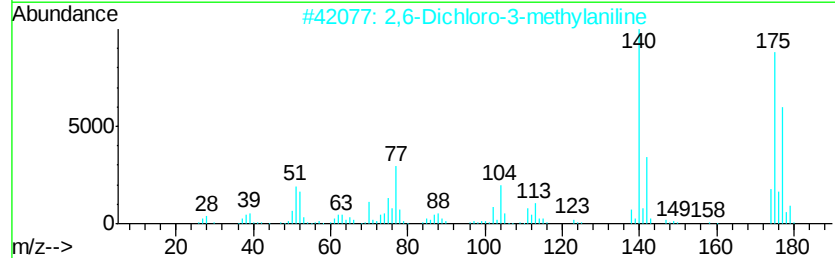
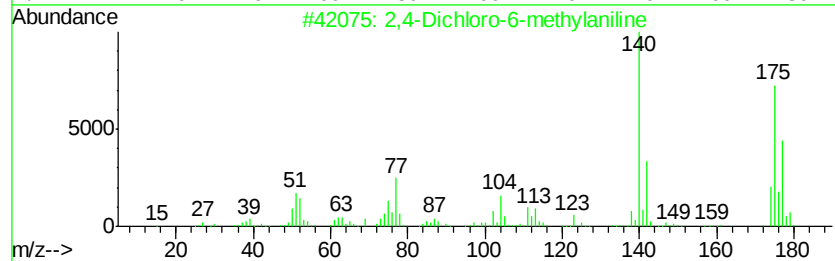
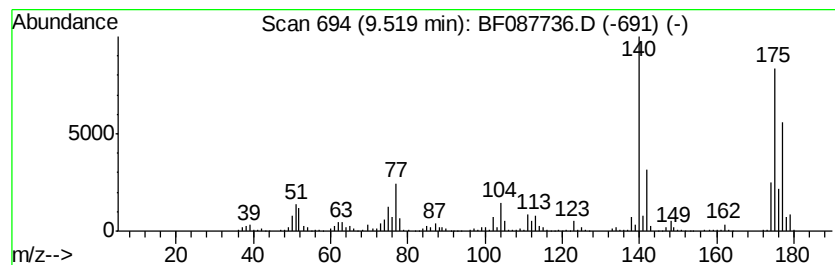
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 2,4-Dichloro-6-methylaniline Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	14.27 ng	730374	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dichloro-6-methylaniline	175	C7H7Cl2N	030273-00-8	98
2		2,6-Dichloro-3-methylaniline	175	C7H7Cl2N	064063-37-2	97
3		5-Amino-2,4-dichlorotoluene	175	C7H7Cl2N	017601-75-1	94
4		2,6-Bis(chloromethyl)pyridine	175	C7H7Cl2N	003099-28-3	40
5		2,3-Dichlorobenzylamine	175	C7H7Cl2N	042265-79-2	32



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087736.D
Acq On : 6 Jun 2016 5:21
Operator : UM/SJ
Sample : H3391-01
Misc :
ALS Vial : 72 Sample Multiplier: 1

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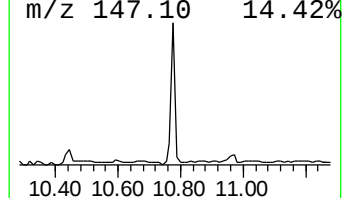
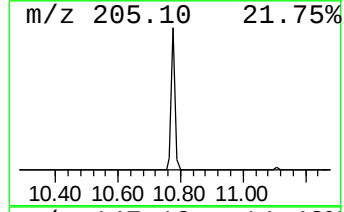
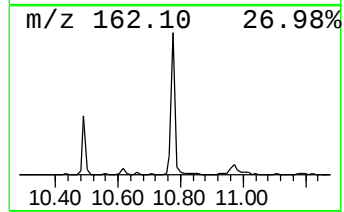
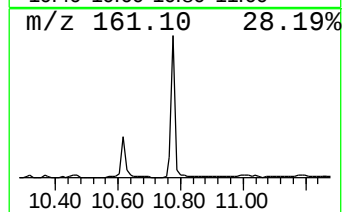
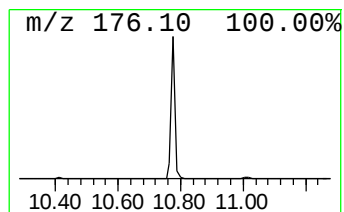
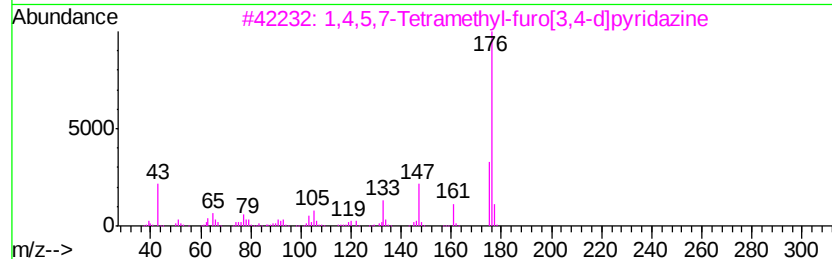
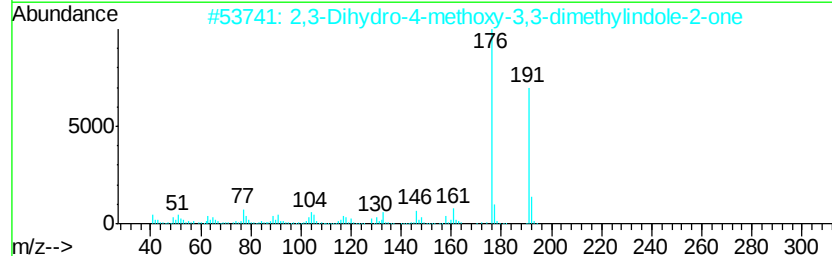
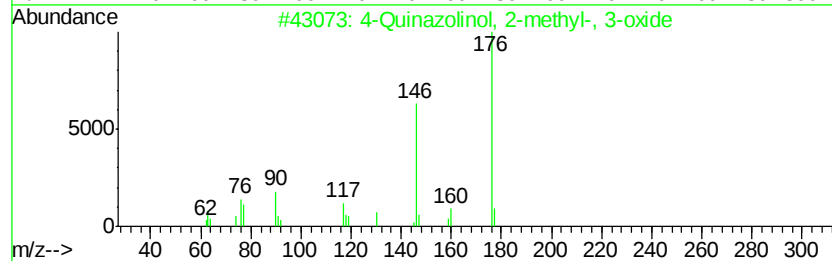
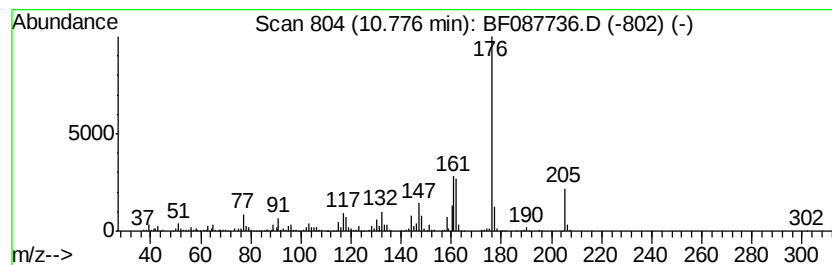
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown10.78 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	11.01 ng	546507	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Quinazolinol, 2-methyl-, 3-oxide	176	C9H8N2O2	054518-07-9	47
2		2,3-Dihydro-4-methoxy-3,3-dimeth...	191	C11H13NO2	192928-47-5	43
3		1,4,5,7-Tetramethyl-furo[3,4-d]p...	176	C10H12N2O	1000301-21-7	43
4		7H-Indeno[5,6-b]furan-7-one, 4,4...	176	C11H12O2	1000221-49-9	38
5		Furan, 2,2'-methylenebis[5-methyl-	176	C11H12O2	013679-43-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
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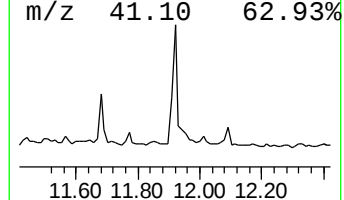
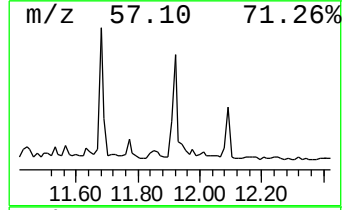
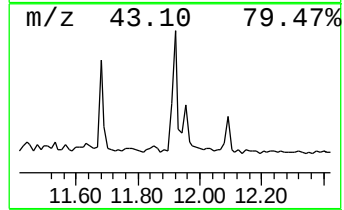
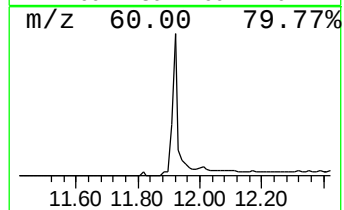
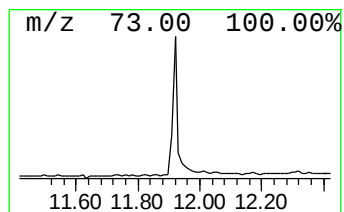
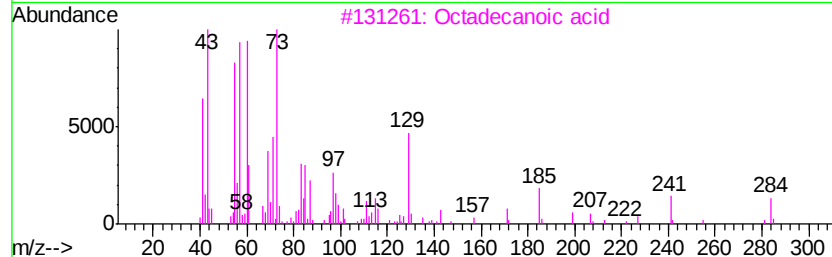
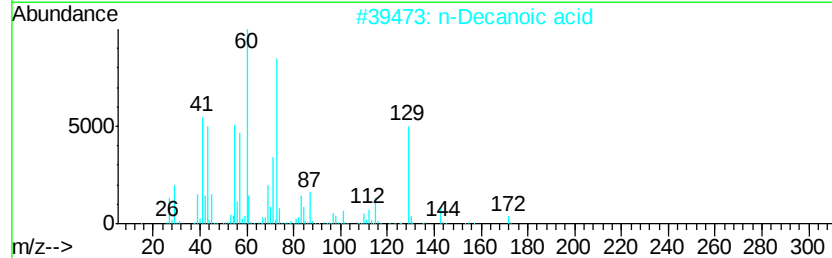
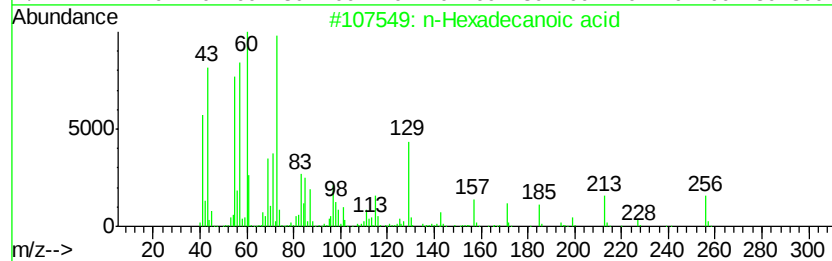
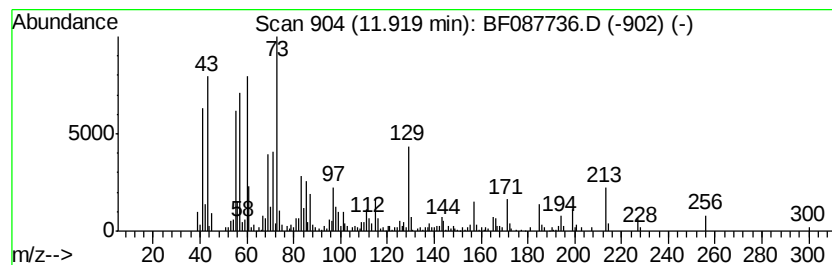
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.92	5.50 ng	272811	Phenanthrene-d10		11.38	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	n-Decanoic acid		172	C10H20O2	000334-48-5	93
3	Octadecanoic acid		284	C18H36O2	000057-11-4	93
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	91
5	Pentadecanoic acid		242	C15H30O2	001002-84-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
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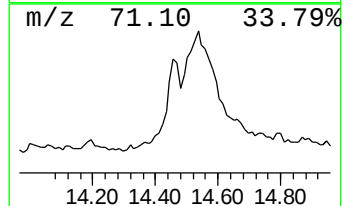
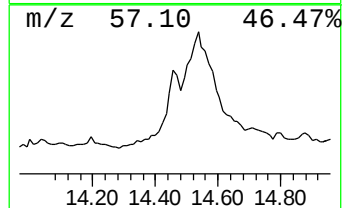
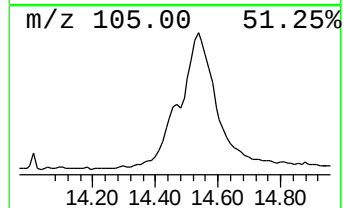
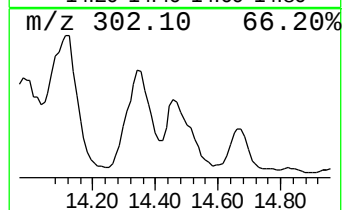
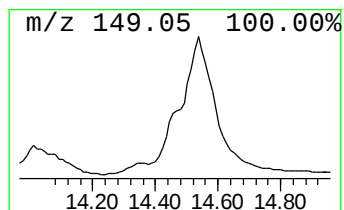
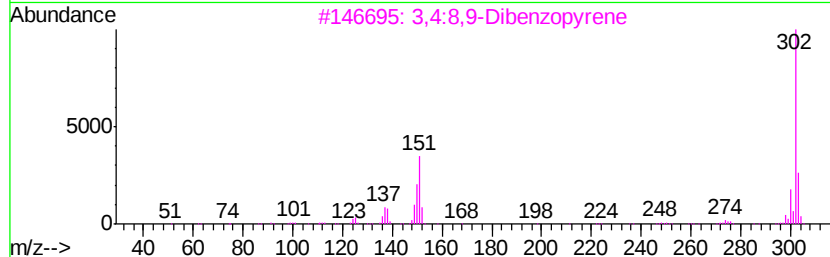
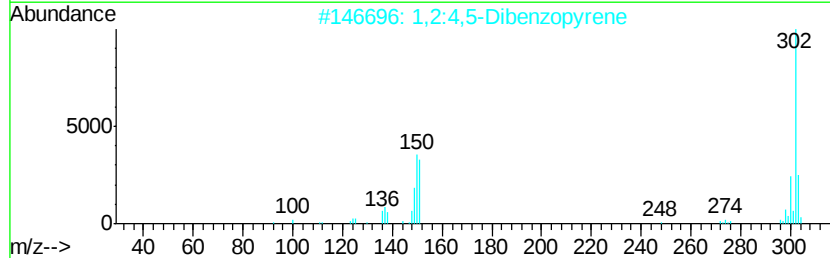
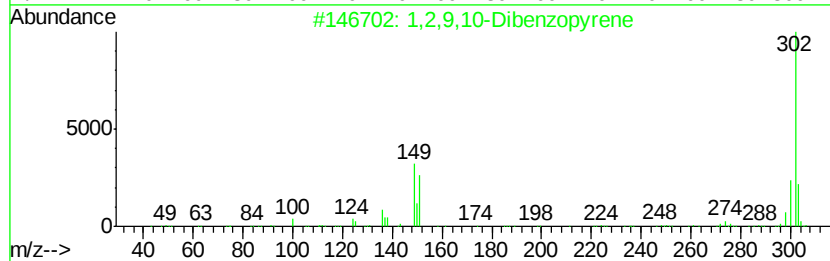
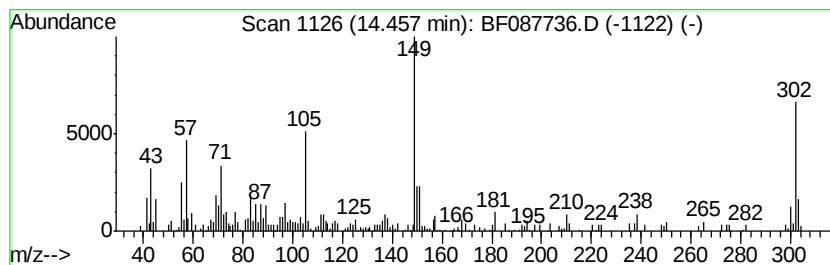
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2,9,10-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	5.13 ng	277186	Chrysene-d12	14.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	55
2			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	50
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	46
4			Benzoic acid, 4-(6,7-dihydro-5H-...	301	C15H15N3O4	1000303-14-3	38
5			2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
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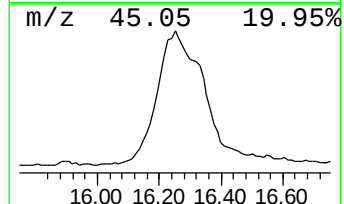
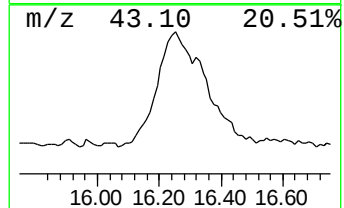
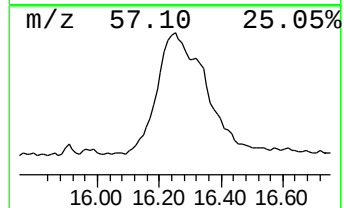
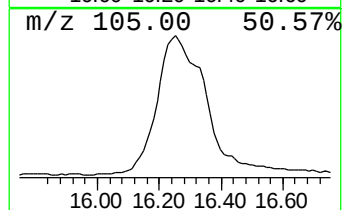
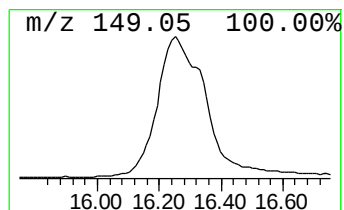
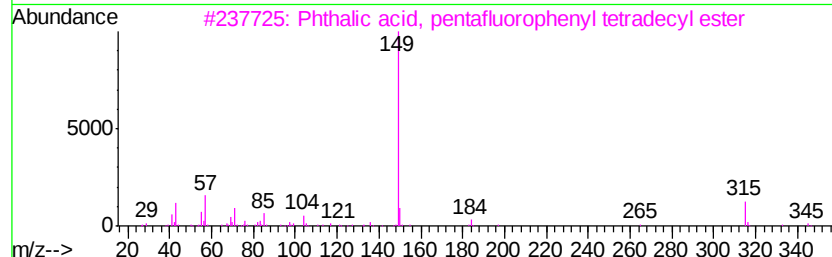
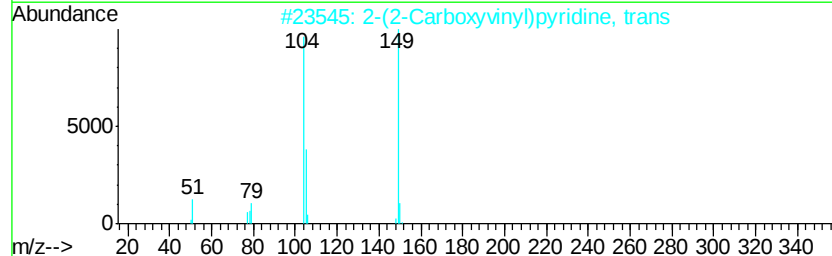
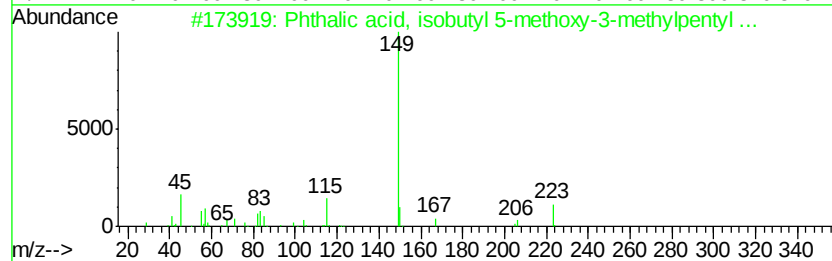
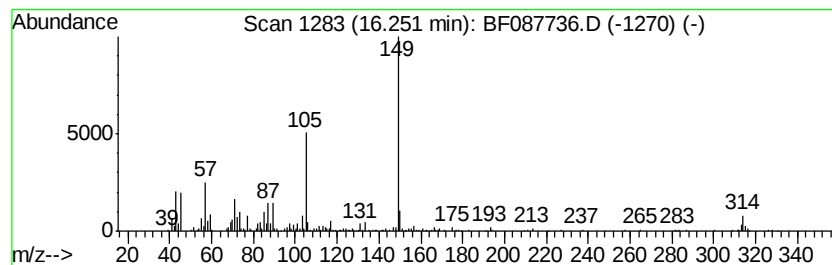
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phthalic acid, isobutyl 5-m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	84.48 ng	2625480	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic acid, isobutyl 5-methox...	336	C19H28O5	1000314-89-6	59
2		2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	50
3		Phthalic acid, pentafluorophenyl...	528	C28H33F5O4	1000356-36-3	47
4		Phthalic acid, isohexyl 3-methyl...	320	C19H28O4	1000356-80-6	47
5		Phthalic acid, dodecyl 2-fluorop...	428	C26H33FO4	1000356-15-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087736.D
 Acq On : 6 Jun 2016 5:21
 Operator : UM/SJ
 Sample : H3391-01
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.58	7.58	201.5	ng	12443300	2	8.15	1235160	20.0
o-Chloroaniline	7.74	8.9	ng	551280	2	8.15	1235160	20.0
2-Chloro-5-methyl...	8.34	67.1	ng	4143070	2	8.15	1235160	20.0
4-Chloroaniline, ...	8.72	5.6	ng	346057	2	8.15	1235160	20.0
unknown9.10	9.10	9.9	ng	508986	3	9.90	1023460	20.0
unknown9.18	9.18	84.1	ng	4305420	3	9.90	1023460	20.0
1H-Isoindole, 3-m...	9.45	17.4	ng	892580	3	9.90	1023460	20.0
2,4-Dichloro-6-me...	9.52	14.3	ng	730374	3	9.90	1023460	20.0
unknown10.78	10.78	11.0	ng	546507	4	11.38	992902	20.0
n-Hexadecanoic acid	11.92	5.5	ng	272811	4	11.38	992902	20.0
1,2,9,10-Dibenzop...	14.46	5.1	ng	277186	5	14.01	1080690	20.0
Phthalic acid, is...	16.25	84.5	ng	2625480	6	15.44	621541	20.0