

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
 Data File : BF090925.D
 Acq On : 31 Oct 2016 13:55
 Operator : UM/SJ
 Sample : H5411-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-02-DUP

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-BF102616.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	4.899	244	246	249	rBV	190800	246345	4.36%	0.712%
2	5.333	282	284	287	rBV	1827748	1828551	32.39%	5.286%
3	6.384	374	376	385	rBV	1336111	1307181	23.16%	3.779%
4	6.510	385	387	390	rBV	2749340	3269949	57.93%	9.453%
5	6.750	406	408	410	rBV	714415	827000	14.65%	2.391%
6	6.899	419	421	424	rBV	2675254	3116684	55.22%	9.010%
7	7.013	429	431	435	rVB2	27924	61953	1.10%	0.179%
8	7.310	454	457	460	rBV	1768195	2389890	42.34%	6.909%
9	7.779	494	498	501	rBV3	42582	66885	1.18%	0.193%
10	8.030	518	520	528	rBV	1483132	1436344	25.45%	4.152%
11	8.202	532	535	538	rVV2	32163	78219	1.39%	0.226%
12	8.408	550	553	555	rBV3	41553	96947	1.72%	0.280%
13	8.510	560	562	565	rVB2	50951	83119	1.47%	0.240%
14	8.750	577	583	584	rBV6	24815	77091	1.37%	0.223%
15	8.899	592	596	598	rBV2	49500	94100	1.67%	0.272%
16	8.945	598	600	601	rBV	43097	63301	1.12%	0.183%
17	8.990	601	604	606	rVB3	39096	81407	1.44%	0.235%
18	9.025	606	607	609	rBV2	70816	97906	1.73%	0.283%
19	9.116	612	615	617	rBV	5472307	5644623	100.00%	16.319%
20	9.253	625	627	628	rBV2	36033	64870	1.15%	0.188%
21	9.288	628	630	632	rVV2	72386	110369	1.96%	0.319%
22	9.379	636	638	640	rVB	48717	66178	1.17%	0.191%
23	9.425	640	642	644	rBV2	69776	144182	2.55%	0.417%
24	9.505	647	649	652	rVB	228478	293382	5.20%	0.848%
25	9.596	653	657	660	rBV5	84246	275180	4.88%	0.796%
26	9.653	660	662	664	rBV2	66398	145570	2.58%	0.421%
27	9.779	671	673	676	rBV	1099706	1394083	24.70%	4.030%
28	10.133	702	704	707	rBV4	78009	155391	2.75%	0.449%
29	10.579	740	743	745	rBV	2960671	3118918	55.25%	9.017%
30	11.265	801	803	807	rBV	1220869	1239250	21.95%	3.583%
31	12.865	940	943	945	rBV	3505167	4329597	76.70%	12.517%
32	13.242	974	976	978	rVB	92308	79670	1.41%	0.230%
33	13.311	981	982	987	rBV5	57821	205830	3.65%	0.595%
34	13.551	1001	1003	1008	rBV6	38993	142204	2.52%	0.411%

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Stop Thrs : 0 Peak Location: TOP

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35	13.757	1019	1021	1026	rVB3	82577	135163	2.39%	0.391%
36	13.905	1031	1034	1036	rBV	688625	851059	15.08%	2.460%
37	15.185	1143	1146	1149	rVB2	43226	97708	1.73%	0.282%
38	15.300	1153	1156	1159	rBV	735221	873905	15.48%	2.526%

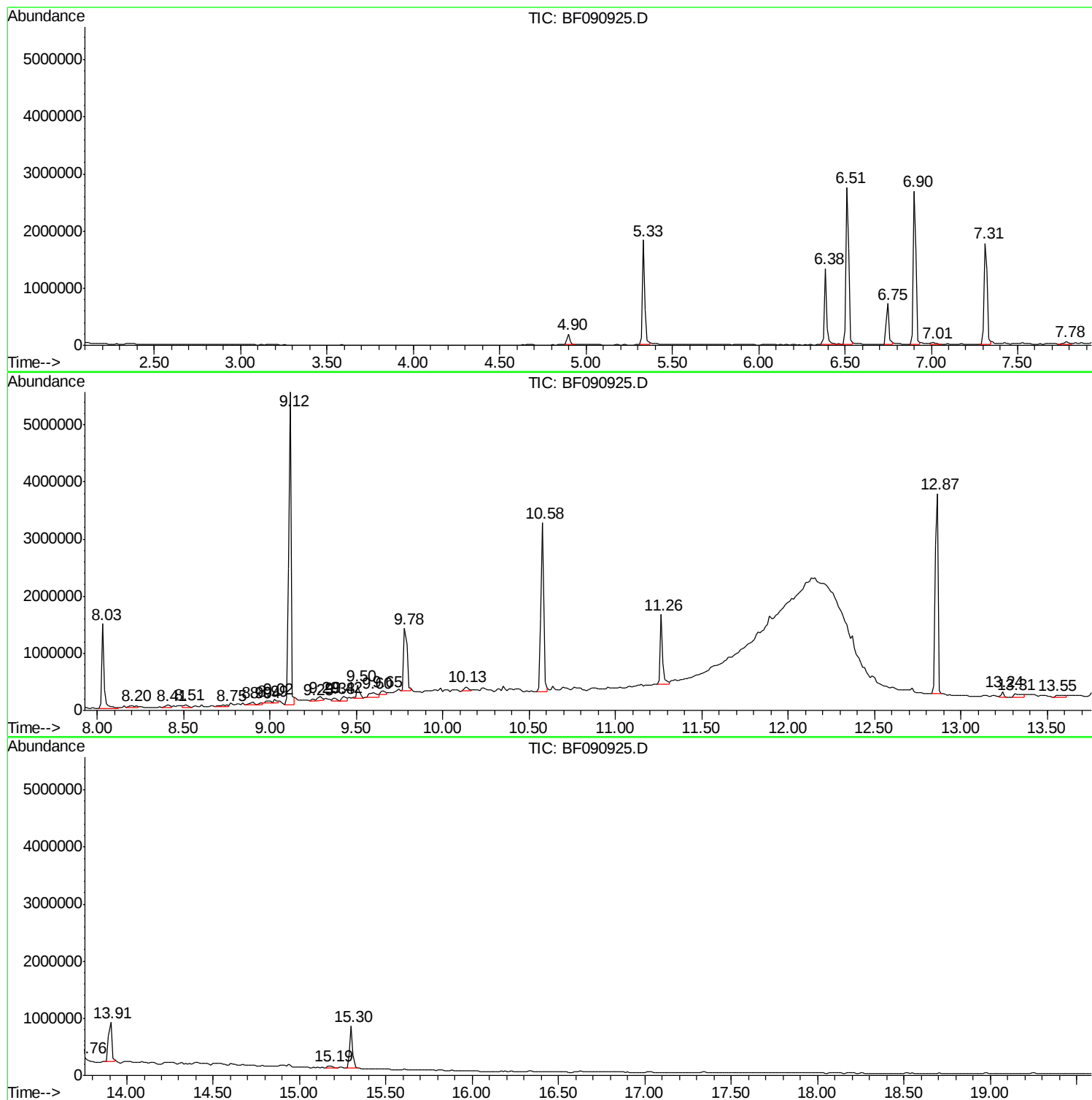
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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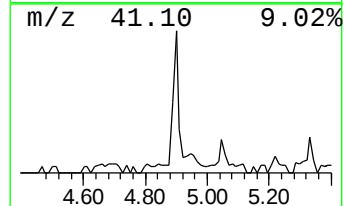
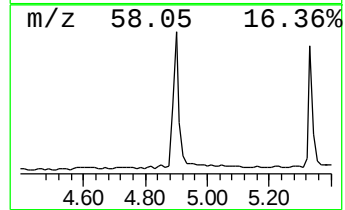
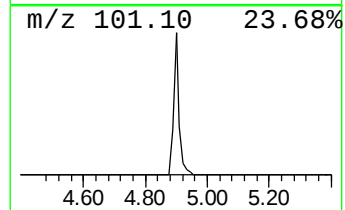
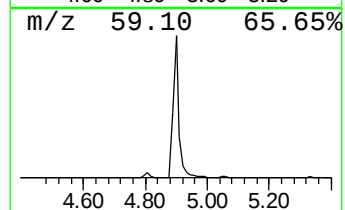
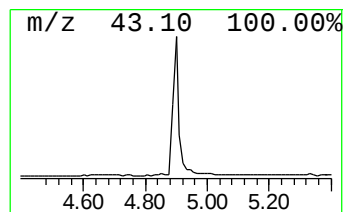
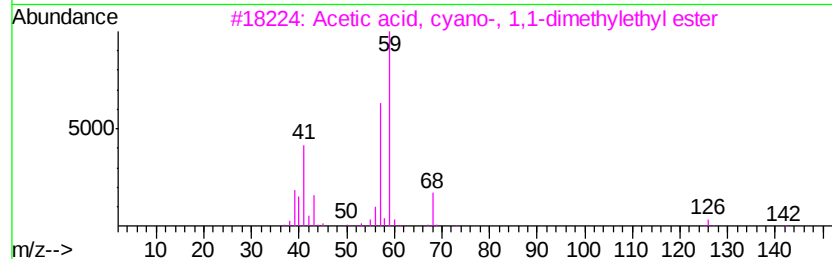
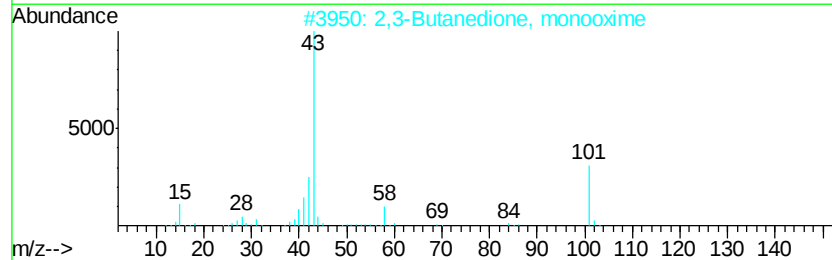
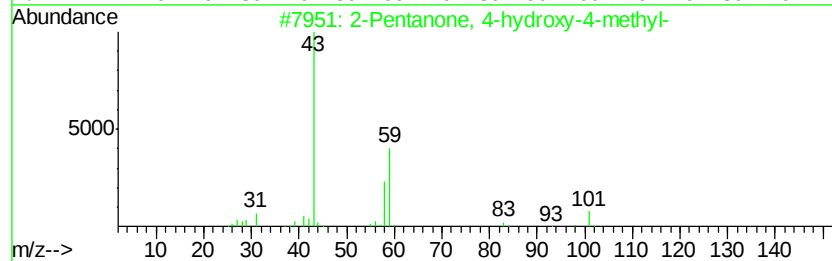
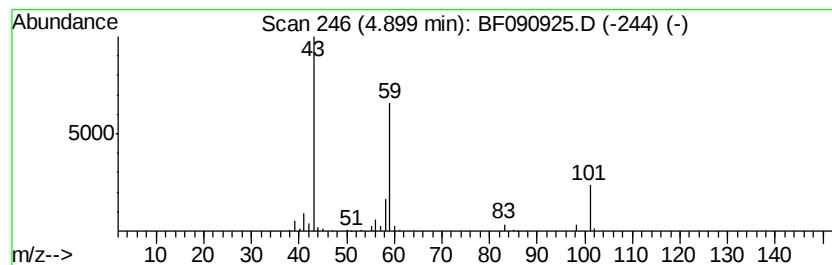
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	5.96 ng	246345	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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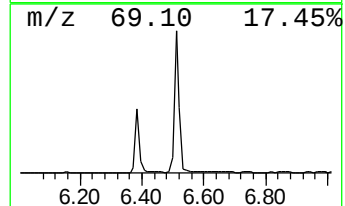
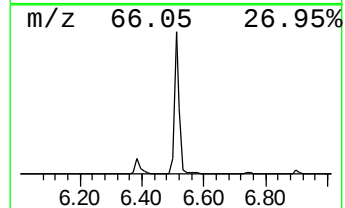
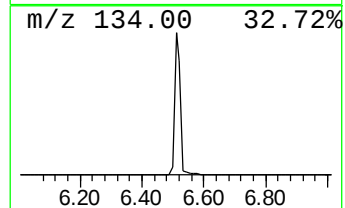
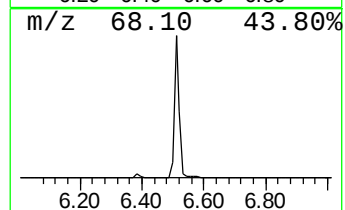
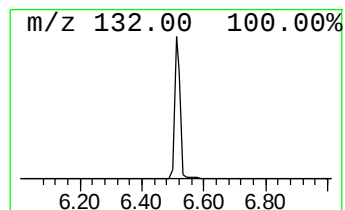
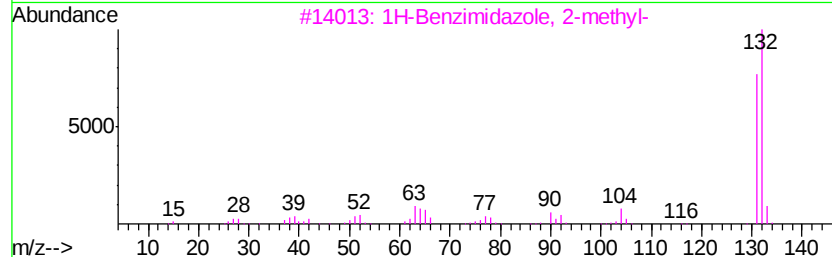
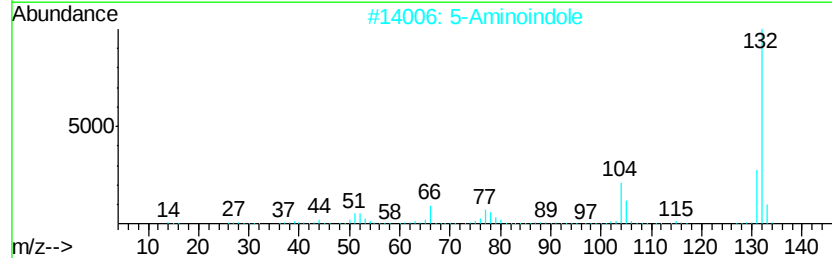
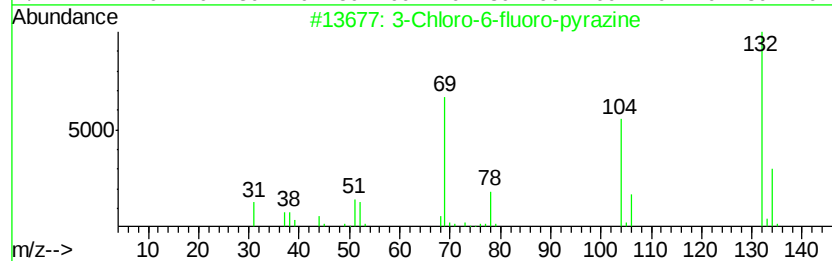
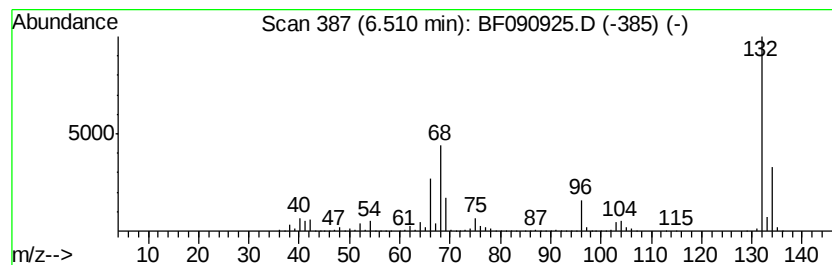
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	79.08 ng	3269950	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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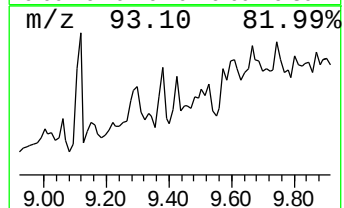
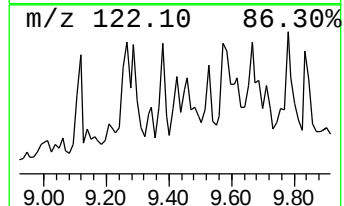
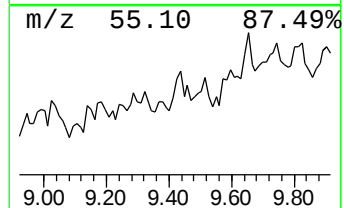
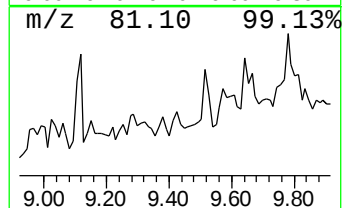
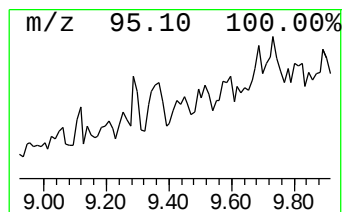
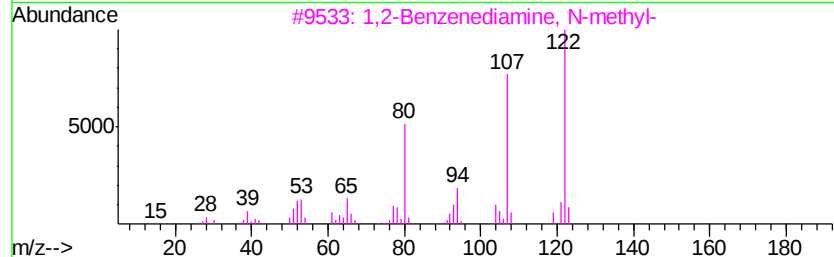
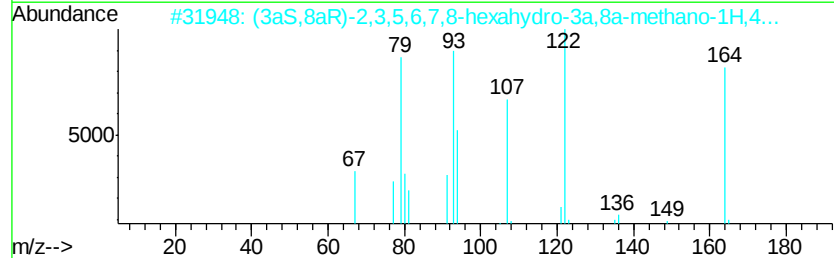
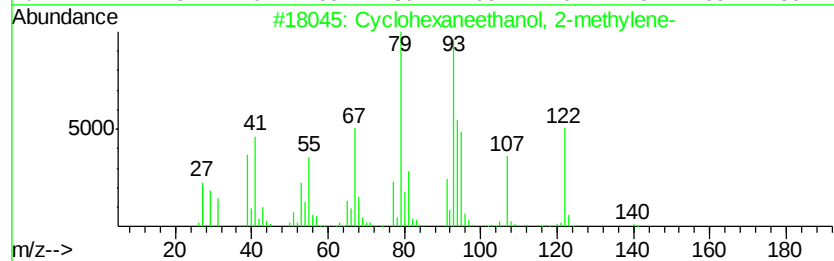
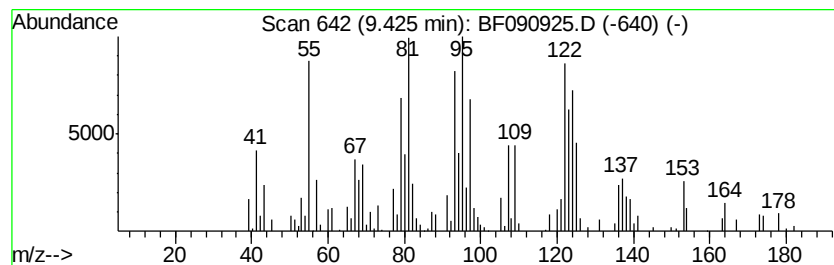
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown9.42 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	2.07 ng	144182	Acenaphthene-d10	9.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexaneethanol, 2-methylene-	140	C9H16O	053544-46-0	38
2		(3aS,8aR)-2,3,5,6,7,8-hexahydro-...	164	C11H16O	1000145-90-1	27
3		1,2-Benzenediamine, N-methyl-	122	C7H10N2	004760-34-3	25
4		Tetramethylfuran	124	C8H12O	010599-58-3	25
5		p-Menth-2-en-9-ol, trans-	154	C10H18O	1000151-16-0	25



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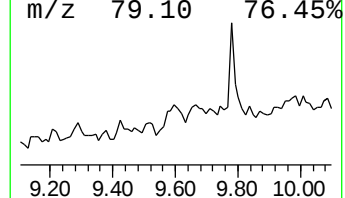
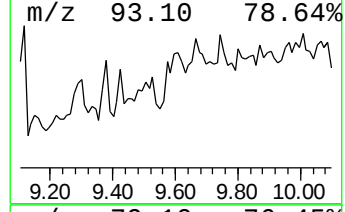
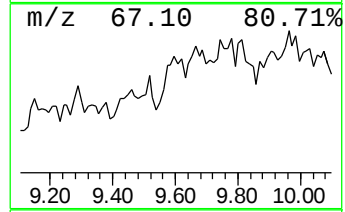
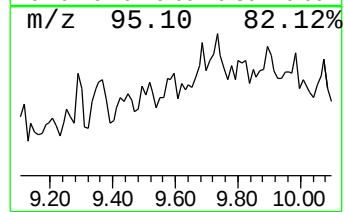
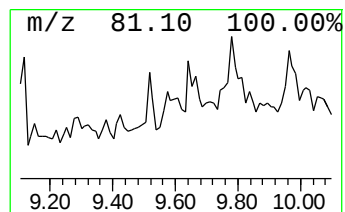
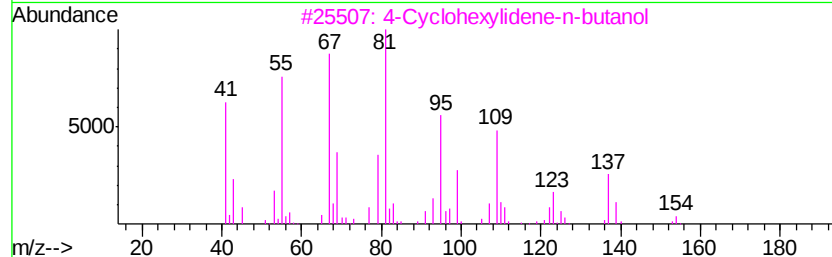
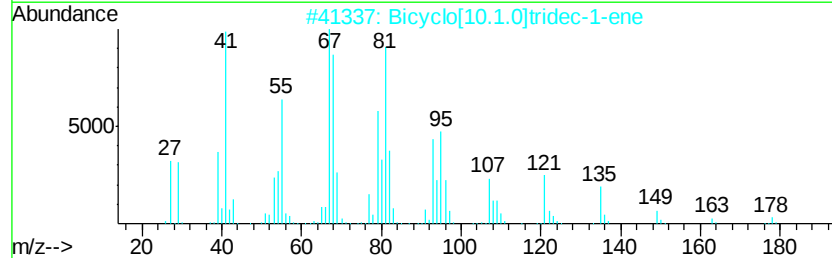
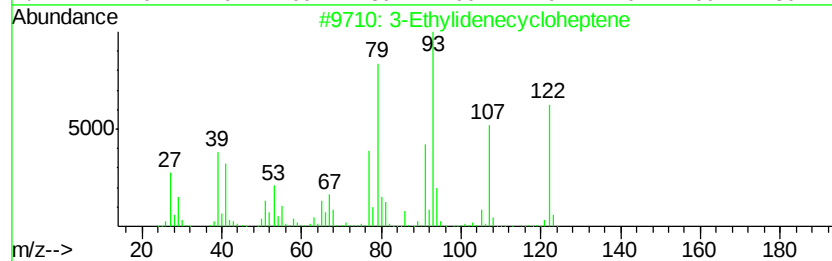
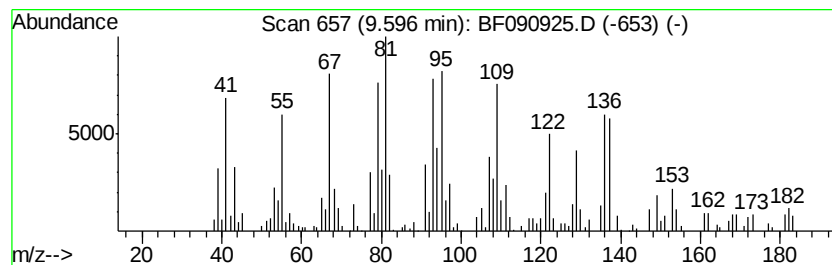
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 3-Ethylidenecycloheptene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	3.95 ng	275180	Acenaphthene-d10	9.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3-Ethylidenecycloheptene	122 C9H14	1000211-16-7 70
2		Bicyclo[10.1.0]tridec-1-ene	178 C13H22	054766-91-5 64
3		4-Cyclohexylidene-n-butanol	154 C10H18O	004441-58-1 45
4		1,6-Cyclodecadiene	136 C10H16	007049-13-0 43
5		4,5,6,7-Tetrahydro-3-indolinone	137 C8H11NO	058074-25-2 42



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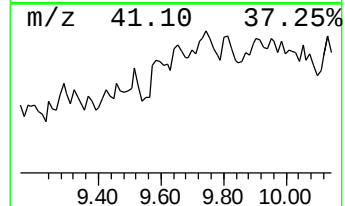
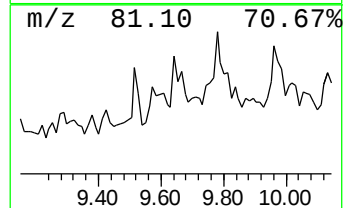
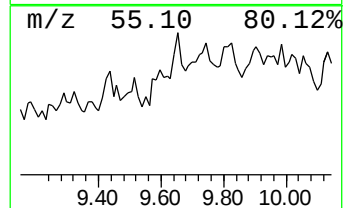
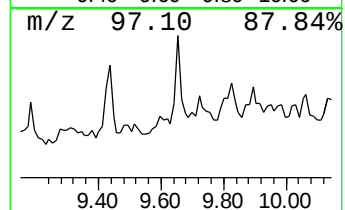
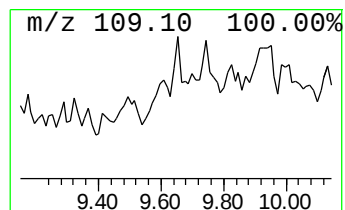
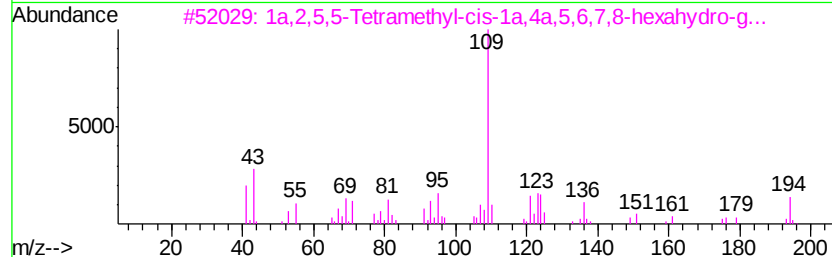
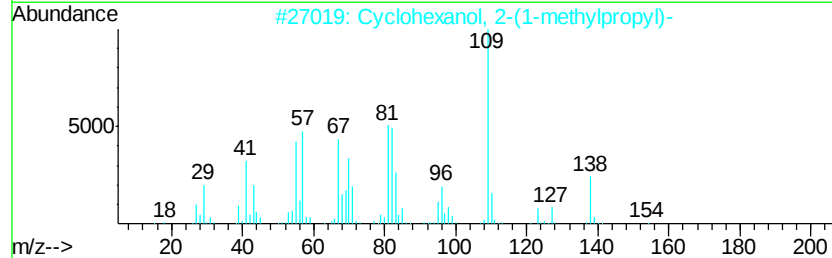
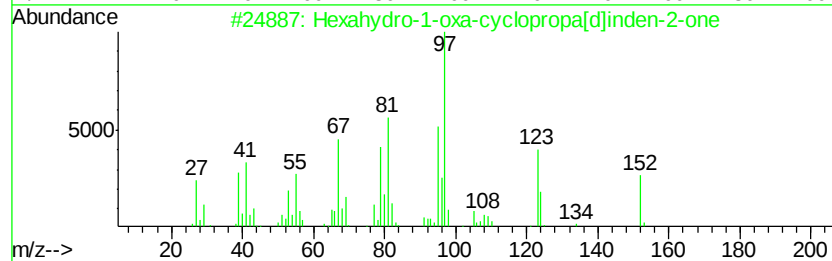
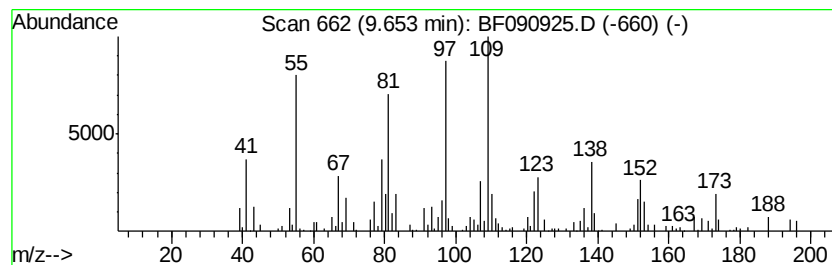
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Peak Number 6 unknown9.65 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	2.09 ng	145570	Acenaphthene-d10	9.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Hexahydro-1-oxa-cyclopropa[d]ind...	152 C9H12O2	037643-23-5 27
2		Cyclohexanol, 2-(1-methylpropyl)-	156 C10H20O	004632-01-3 27
3		1a,2,5,5-Tetramethyl-cis-1a,4a,5...	194 C13H22O	1000215-77-7 27
4		Acetamide, N-(2-hydroxyphenyl)-	151 C8H9NO2	000614-80-2 22
5		2,4-Heptadienal, 2,4-dimethyl-	138 C9H14O	042452-48-2 22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090925.D
Acq On : 31 Oct 2016 13:55
Operator : UM/SJ
Sample : H5411-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

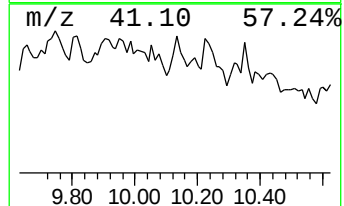
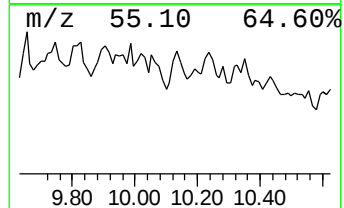
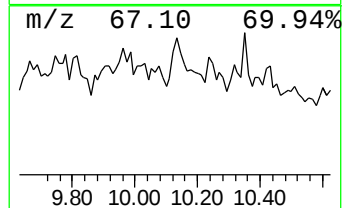
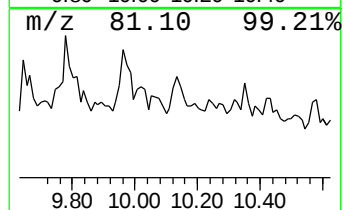
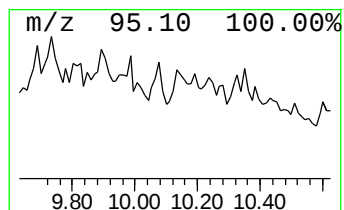
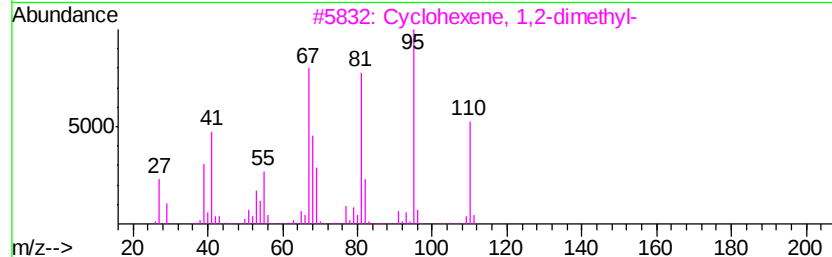
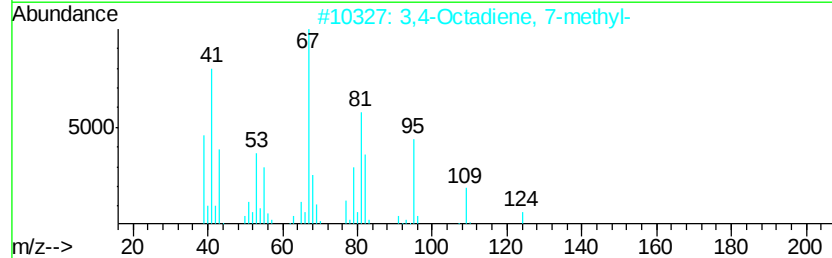
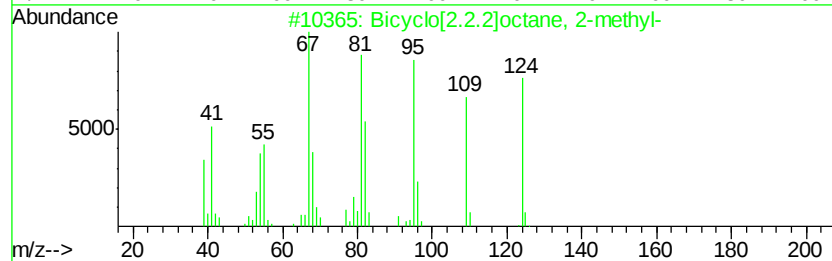
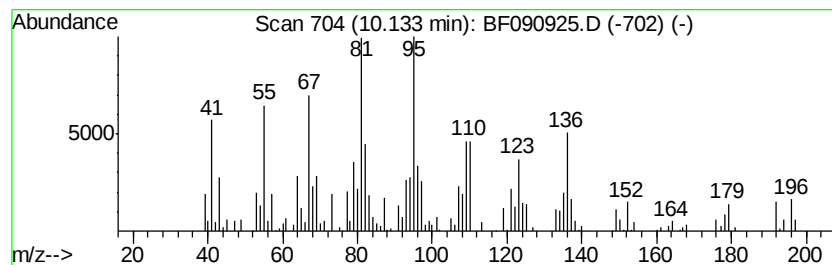
Instrument :
BNA_F
ClientSampleId :
TWP-02-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Bicyclo[2.2.2]octane, 2-met... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	2.23 ng	155391	Acenaphthene-d10	9.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[2.2.2]octane, 2-methyl-	124 C9H16	000766-53-0 55
2		3,4-Octadiene, 7-methyl-	124 C9H16	037050-05-8 55
3		Cyclohexene, 1,2-dimethyl-	110 C8H14	001674-10-8 49
4		Spiro[3.5]nonan-1-one, 5-methyl-...	152 C10H16O	065147-56-0 45
5		Spiro[4.5]decan-2-one	152 C10H16O	003643-16-1 45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090925.D
Acq On : 31 Oct 2016 13:55
Operator : UM/SJ
Sample : H5411-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

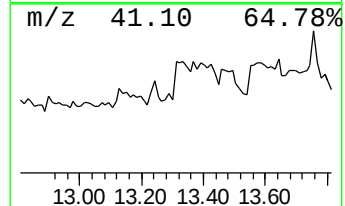
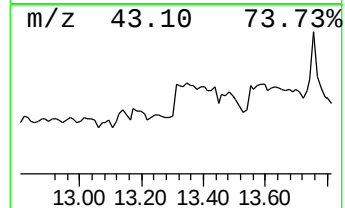
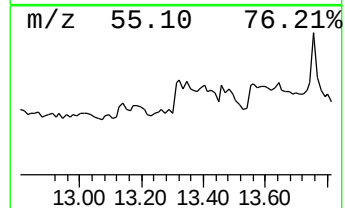
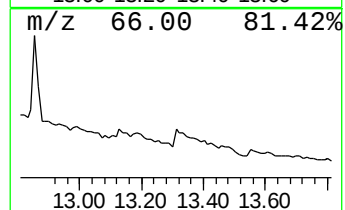
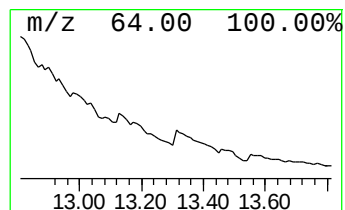
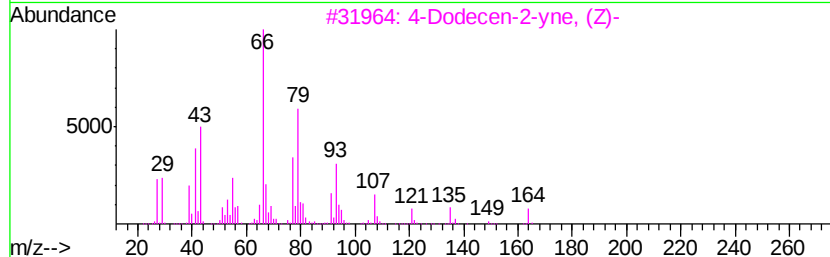
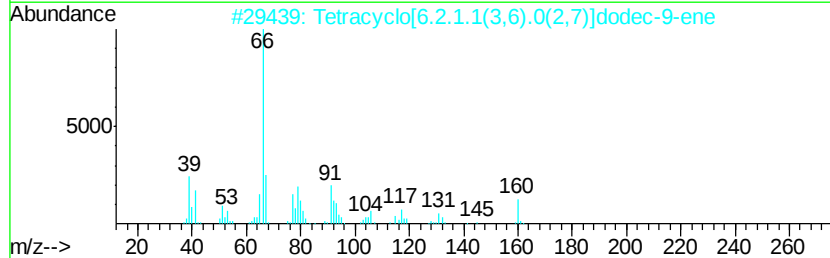
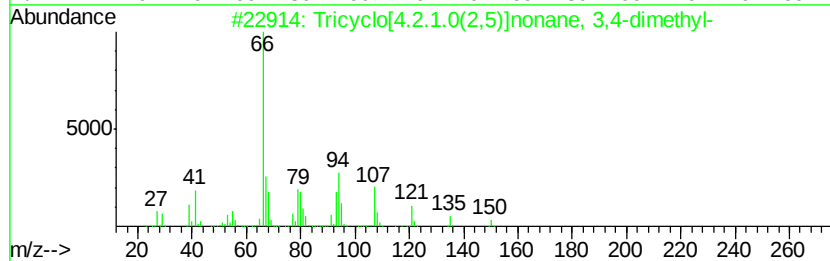
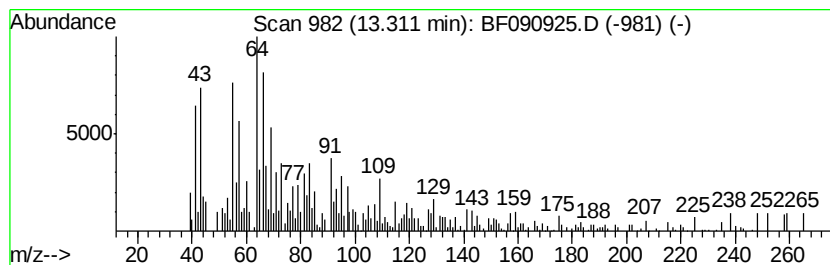
Instrument :
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ClientSampleId :
TWP-02-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown13.31 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	4.84 ng	205830	Chrysene-d12	13.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tricyclo[4.2.1.0(2,5)]nonane, 3,...	150 C11H18	050333-74-9 38
2		Tetracyclo[6.2.1.1(3,6).0(2,7)]d...	160 C12H16	021635-90-5 30
3		4-Dodecen-2-yne, (Z)-	164 C12H20	074744-39-1 30
4		4,7-Methanoisobenzofuran-1,3-dio...	164 C9H8O3	000826-62-0 30
5		4,7-Methanoisobenzofuran-1(3H)-o...	166 C9H10O3	056232-16-7 27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090925.D
Acq On : 31 Oct 2016 13:55
Operator : UM/SJ
Sample : H5411-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

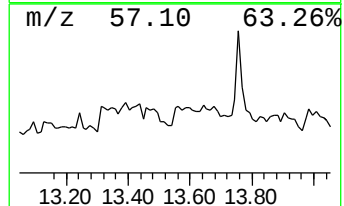
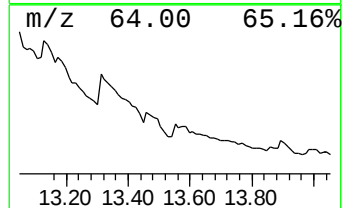
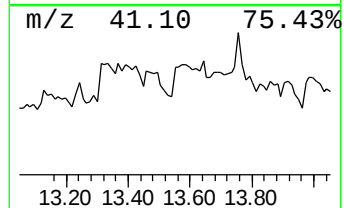
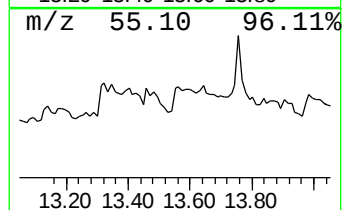
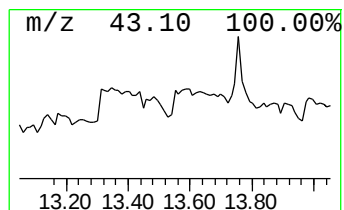
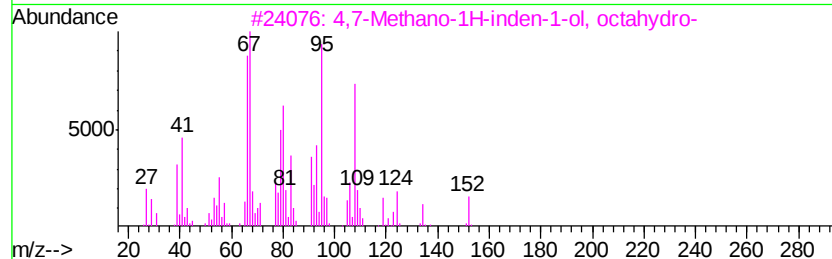
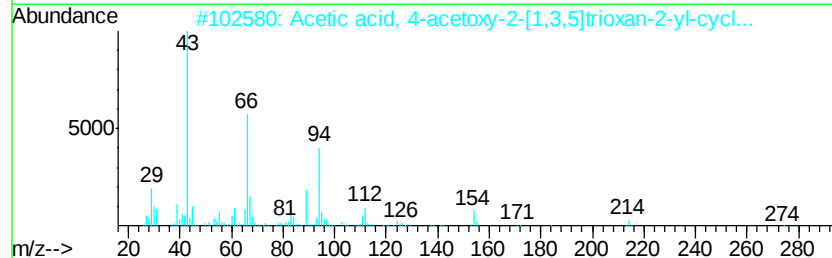
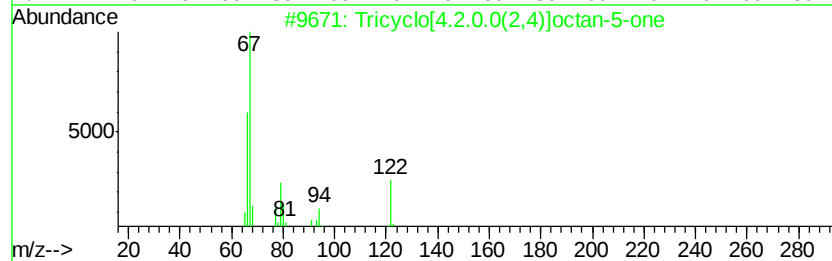
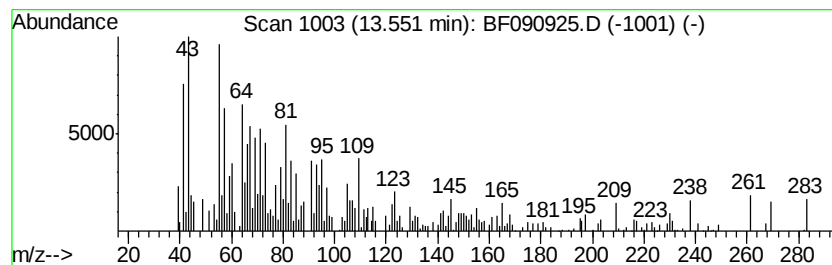
Instrument :
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ClientSampleId :
TWP-02-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown13.55 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.55	3.34 ng	142204	Chrysene-d12	13.91	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[4.2.0.0(2,4)]octan-5-one	122	C8H10O	019093-14-2	43
2	Acetic acid, 4-acetoxy-2-[1,3,5]...	274	C12H18O7	1000190-91-9	27
3	4,7-Methano-1H-inden-1-ol, octah...	152	C10H16O	055255-97-5	27
4	Bicyclo[2.2.1]heptane-2-methanol	126	C8H14O	005240-72-2	27
5	1,1-Cyclopropanedicarboxylic aci...	212	C11H16O4	007686-78-4	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090925.D
Acq On : 31 Oct 2016 13:55
Operator : UM/SJ
Sample : H5411-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

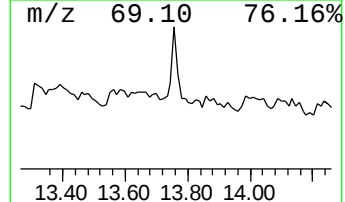
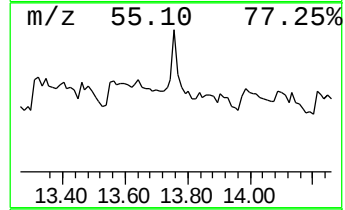
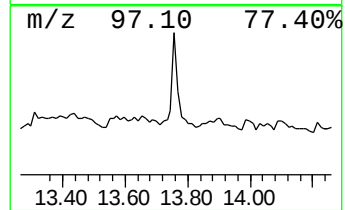
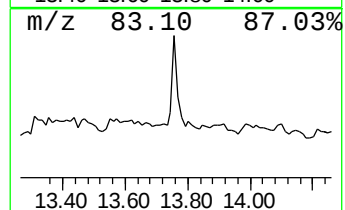
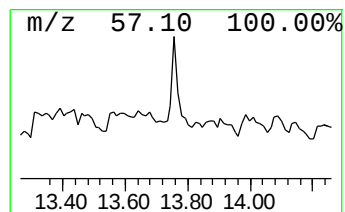
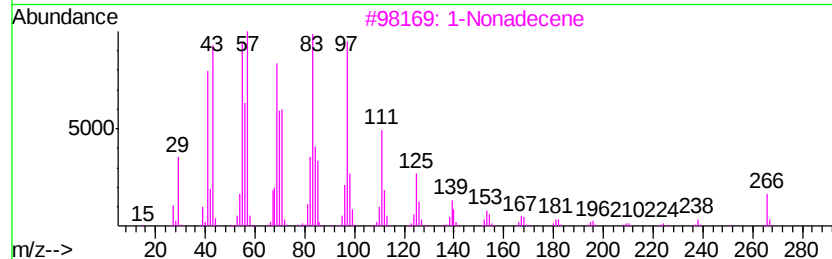
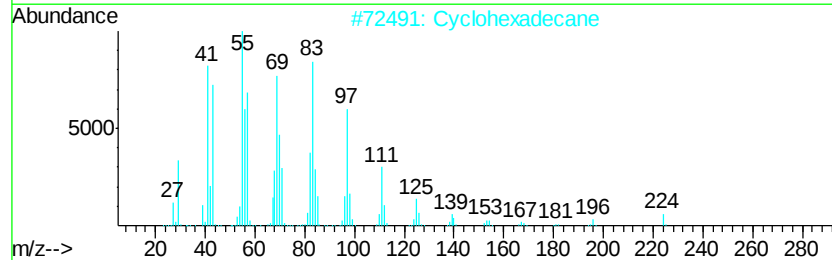
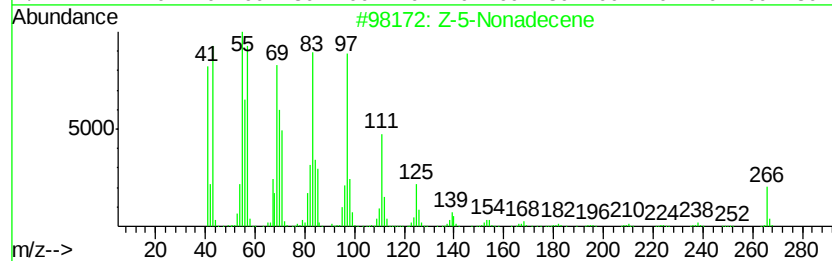
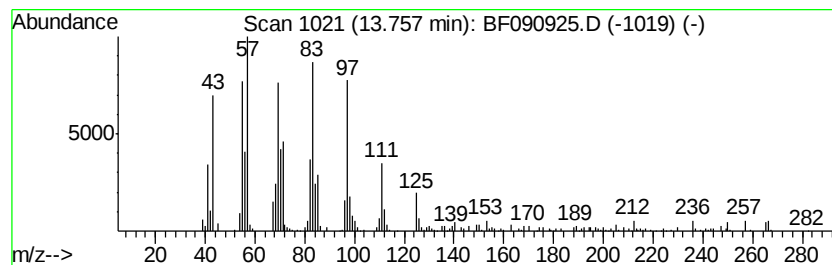
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Z-5-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.76	3.18 ng	135163	Chrysene-d12	13.91		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Z-5-Nonadecene	266	C19H38	1000131-11-8	99
2		Cyclohexadecane	224	C16H32	000295-65-8	98
3		1-Nonadecene	266	C19H38	018435-45-5	96
4		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
5		2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
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Acq On : 31 Oct 2016 13:55
Operator : UM/SJ
Sample : H5411-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

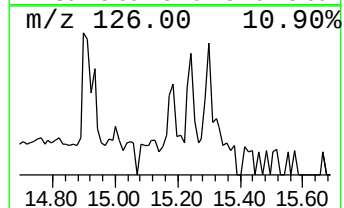
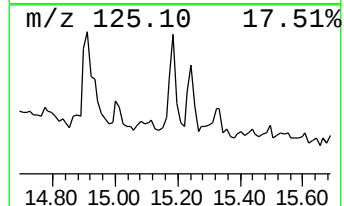
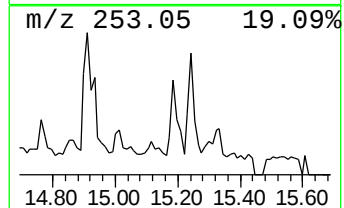
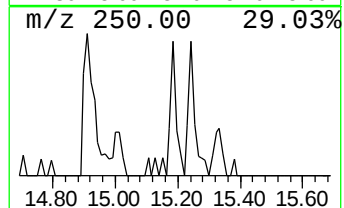
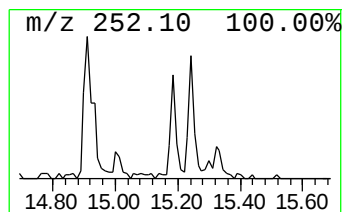
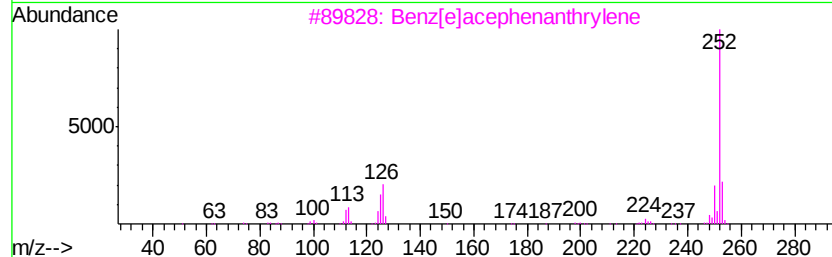
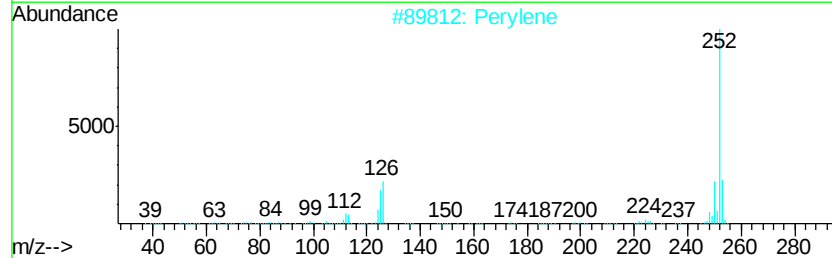
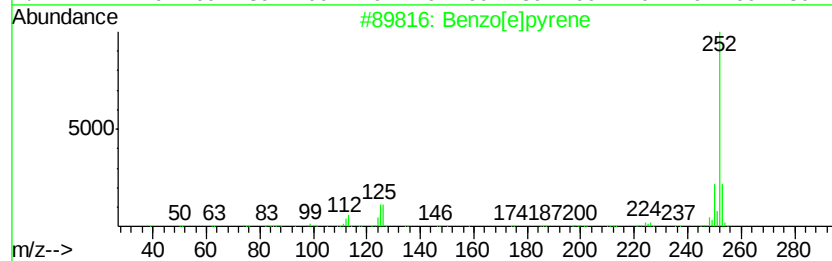
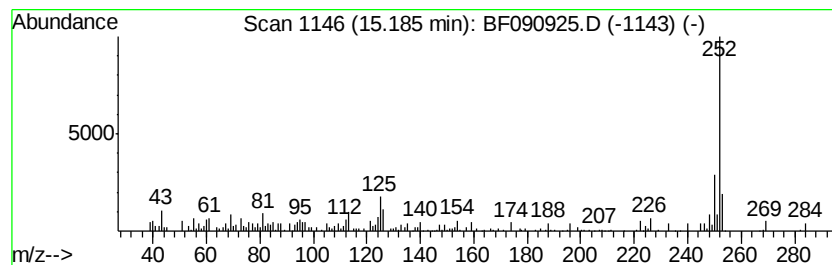
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TWP-02-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.24 ng	97708	Perylene-d12	15.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	93
2	Perylene	252 C20H12	000198-55-0	86
3	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	70
4	Benzo[a]pyrene	252 C20H12	000050-32-8	70
5	Benzo[j]fluoranthene	252 C20H12	000205-82-3	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
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Operator : UM/SJ
Sample : H5411-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TWP-02-DUP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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
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unknown6.51	6.51	79.1	ng	3269950	1	6.75	827000	20.0
unknown9.42	9.42	2.1	ng	144182	3	9.78	1394080	20.0
3-Ethylidenecyclo...	9.60	4.0	ng	275180	3	9.78	1394080	20.0
unknown9.65	9.65	2.1	ng	145570	3	9.78	1394080	20.0
Bicyclo[2.2.2]oct...	10.13	2.2	ng	155391	3	9.78	1394080	20.0
unknown13.31	13.31	4.8	ng	205830	5	13.91	851059	20.0
unknown13.55	13.55	3.3	ng	142204	5	13.91	851059	20.0
Z-5-Nonadecene	13.76	3.2	ng	135163	5	13.91	851059	20.0
Benzo[e]pyrene	15.19	2.2	ng	97708	6	15.30	873905	20.0