

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
 Data File : BF092414.D
 Acq On : 21 Jan 2017 15:51
 Operator : UM/SJ
 Sample : I1265-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-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-BF122116.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	4.597	257	259	269	rVB	59117	102720	5.56%	0.611%
2	5.100	301	303	316	rBV	115985	280847	15.20%	1.671%
3	6.209	399	400	406	rBV3	133592	276344	14.96%	1.645%
4	6.300	406	408	412	rVB	225513	294225	15.93%	1.751%
5	6.506	424	426	429	rBV	717735	738504	39.97%	4.395%
6	6.666	438	440	446	rVB	258053	244906	13.26%	1.458%
7	7.089	475	477	480	rBV	161514	182397	9.87%	1.086%
8	7.798	537	539	542	rBV	1029776	965434	52.26%	5.746%
9	8.883	632	634	636	rBV	336452	332190	17.98%	1.977%
10	9.283	668	669	672	rBV2	49299	58339	3.16%	0.347%
11	9.409	678	680	683	rBV	132808	170482	9.23%	1.015%
12	9.546	690	692	694	rVB	1584149	1334954	72.26%	7.945%
13	9.752	707	710	712	rBV3	28523	45115	2.44%	0.268%
14	9.866	718	720	722	rBV3	42160	63081	3.41%	0.375%
15	9.946	726	727	729	rBV2	31056	37104	2.01%	0.221%
16	10.003	729	732	734	rVV2	35890	47775	2.59%	0.284%
17	10.095	738	740	743	rVB2	32271	51990	2.81%	0.309%
18	10.209	748	750	752	rVV2	40747	59240	3.21%	0.353%
19	10.335	759	761	763	rBV	206979	233761	12.65%	1.391%
20	10.484	771	774	776	rVB3	84298	139001	7.52%	0.827%
21	10.792	797	801	804	rBV5	25715	49850	2.70%	0.297%
22	10.918	810	812	813	rBV2	27180	45286	2.45%	0.270%
23	10.941	813	814	819	rVB	80924	66572	3.60%	0.396%
24	11.021	819	821	825	rBV2	1297037	1376080	74.48%	8.190%
25	11.101	826	828	830	rVB	117398	102948	5.57%	0.613%
26	11.146	830	832	834	rBV2	31087	62199	3.37%	0.370%
27	11.352	848	850	851	rBV2	39121	39159	2.12%	0.233%
28	11.432	855	857	859	rBV	24987	37441	2.03%	0.223%
29	11.524	863	865	866	rBV	98000	100168	5.42%	0.596%
30	11.558	866	868	870	rVV	83059	102589	5.55%	0.611%
31	11.604	870	872	873	rVV	52413	49873	2.70%	0.297%
32	11.638	873	875	880	rVB	147688	288255	15.60%	1.715%
33	11.718	880	882	883	rBV2	36359	44199	2.39%	0.263%
34	11.821	888	891	892	rVV2	63745	122192	6.61%	0.727%

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35	11.855	892	894	896	rVB2	55748	77547	4.20%	0.462%
36	12.004	905	907	911	rVB2	53389	91550	4.96%	0.545%
37	12.072	911	913	915	rBV	166424	190234	10.30%	1.132%
38	12.107	915	916	919	rVB2	82494	118000	6.39%	0.702%
39	12.164	919	921	923	rBV	70470	91786	4.97%	0.546%
40	12.232	925	927	929	rBV	582651	609879	33.01%	3.630%
41	12.278	929	931	934	rBV2	36345	71687	3.88%	0.427%
42	12.392	938	941	944	rBV4	46240	113473	6.14%	0.675%
43	12.449	944	946	948	rBV	603077	764994	41.41%	4.553%
44	12.518	951	952	954	rVB	60626	64386	3.48%	0.383%
45	12.609	955	960	963	rVB	301062	480517	26.01%	2.860%
46	12.678	964	966	969	rBV3	76084	117436	6.36%	0.699%
47	12.781	972	975	978	rVB	117213	241495	13.07%	1.437%
48	12.849	979	981	983	rVB	100004	100509	5.44%	0.598%
49	12.884	983	984	988	rBV	113132	187038	10.12%	1.113%
50	12.975	991	992	994	rBV	84772	115191	6.23%	0.686%
51	13.009	994	995	997	rVB	84750	67228	3.64%	0.400%
52	13.410	1027	1030	1033	rBV3	75929	236122	12.78%	1.405%
53	13.512	1037	1039	1043	rVV3	54464	128593	6.96%	0.765%
54	13.650	1048	1051	1056	rBV2	1153605	1847539	100.00%	10.995%
55	13.752	1058	1060	1062	rVV2	68799	93012	5.03%	0.554%
56	14.038	1083	1085	1087	rBV	98179	152906	8.28%	0.910%
57	14.655	1136	1139	1145	rBV	387223	785550	42.52%	4.675%
58	14.895	1159	1160	1162	rVB	177397	206460	11.17%	1.229%
59	14.953	1163	1165	1167	rVB	332472	365879	19.80%	2.177%
60	14.998	1167	1169	1171	rBV	537464	736339	39.86%	4.382%
61	16.221	1273	1276	1282	rVB	138229	313232	16.95%	1.864%
62	16.576	1305	1307	1315	rVB	133296	289172	15.65%	1.721%

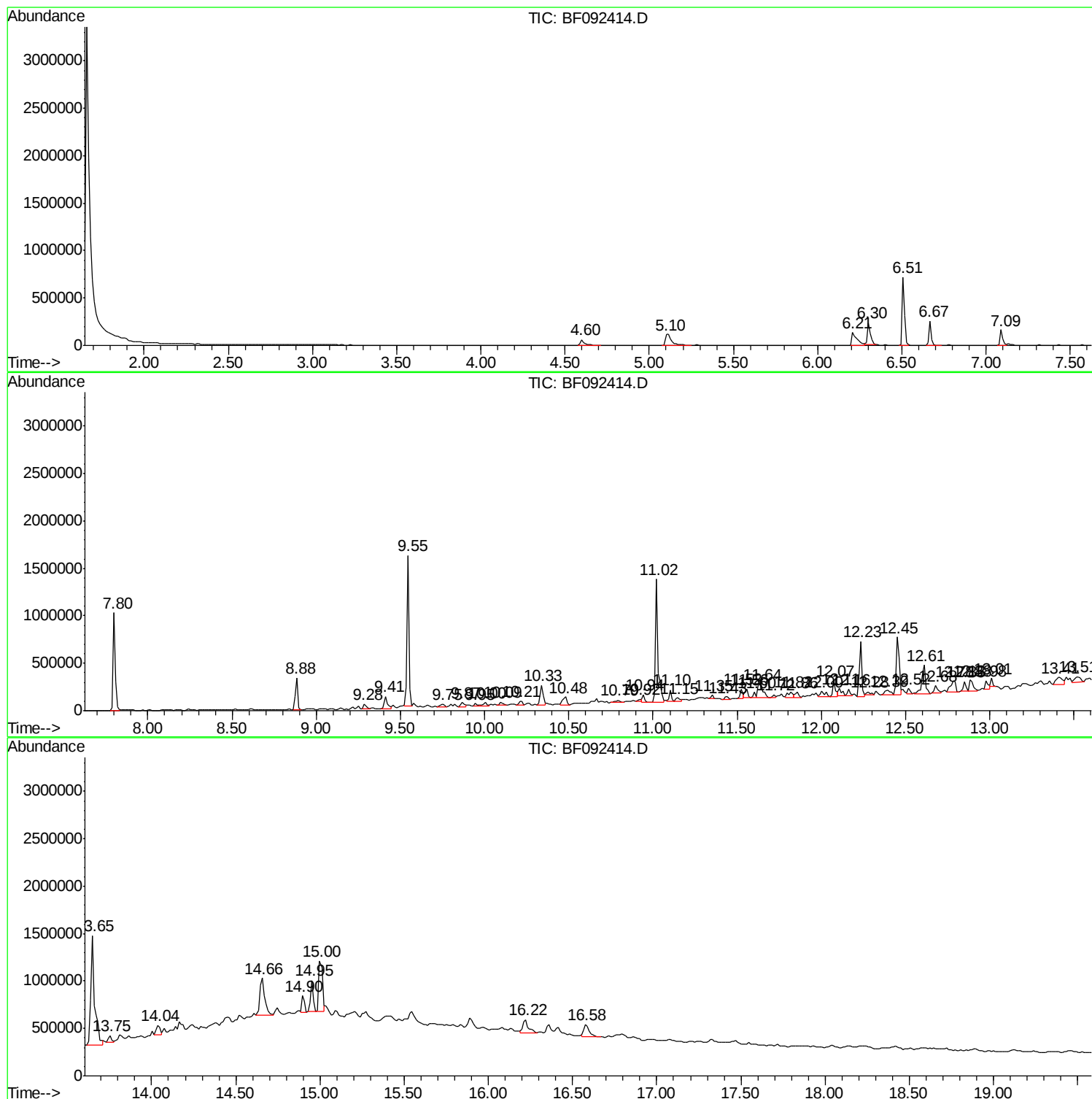
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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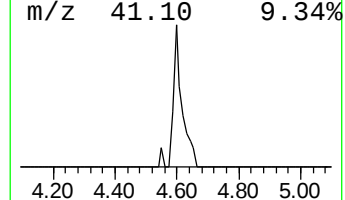
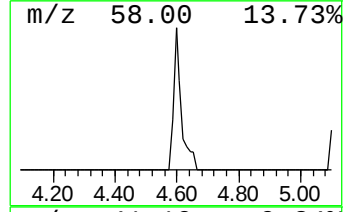
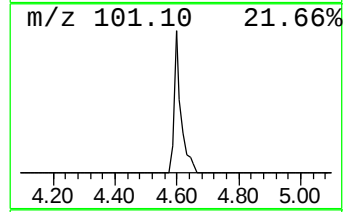
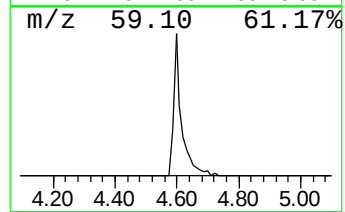
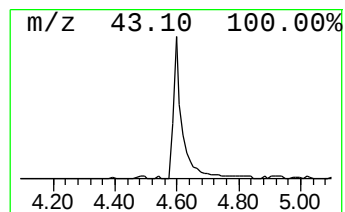
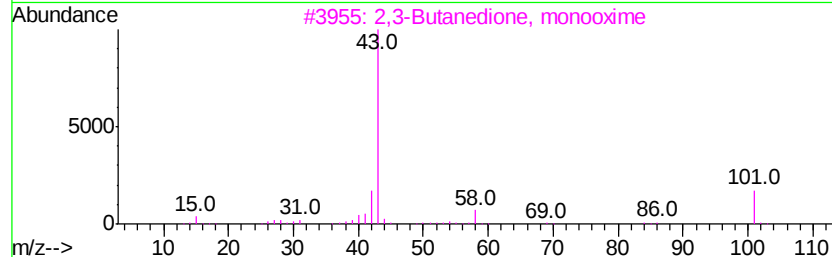
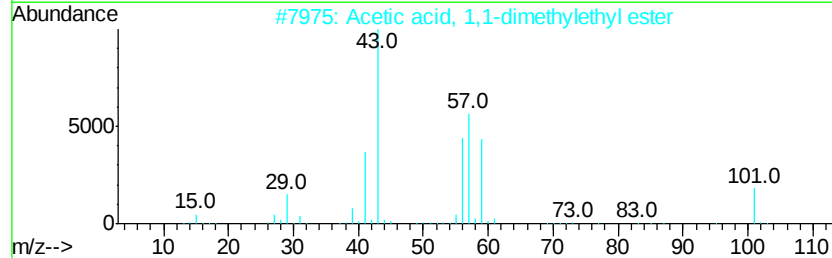
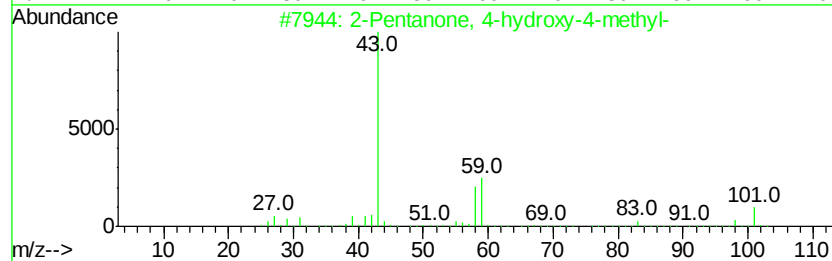
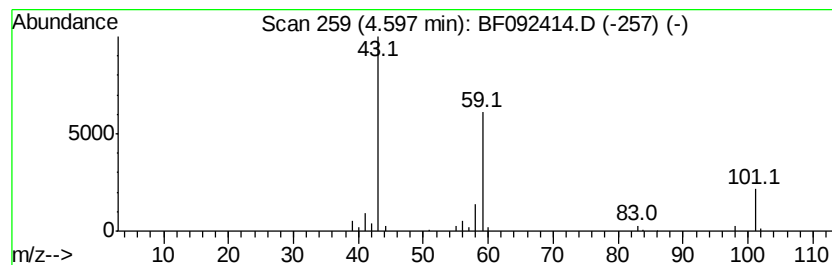
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	2.78 ng	102720	1,4-Dichlorobenzene-d4	6.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39	
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35	
4	3-Hexanol	102	C6H14O	000623-37-0	28	
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9	



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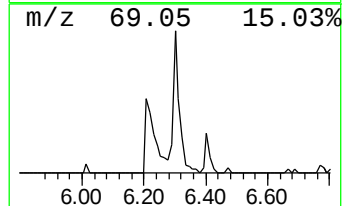
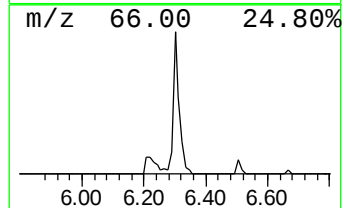
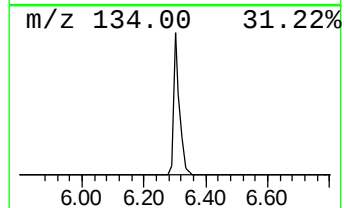
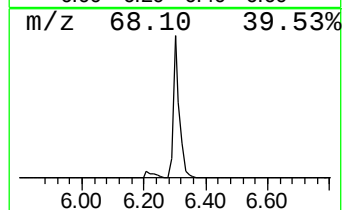
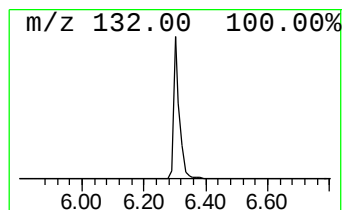
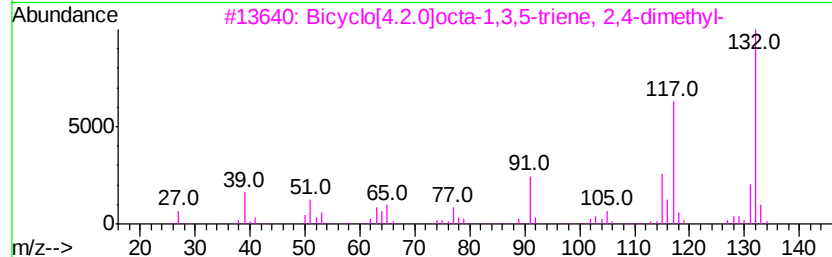
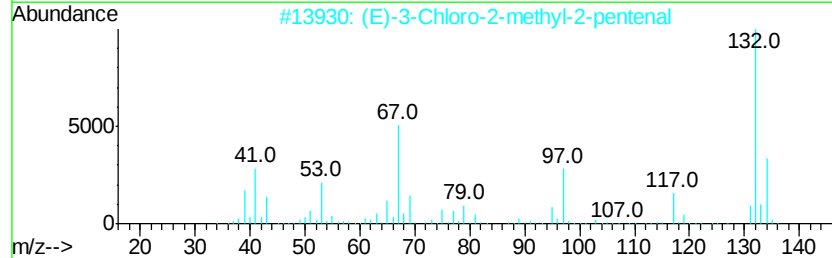
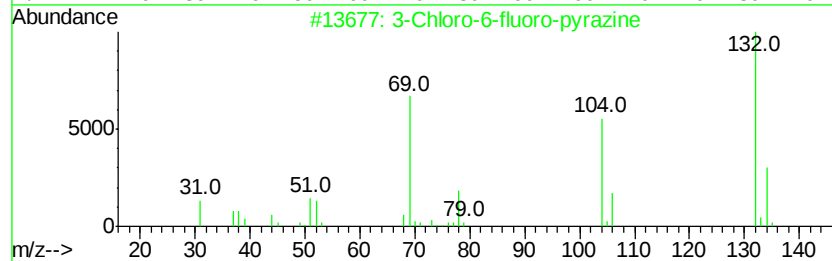
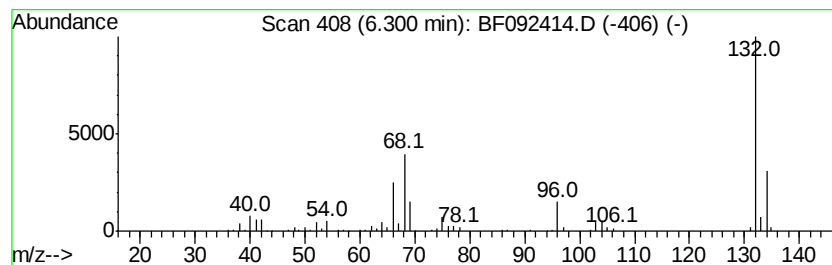
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.30 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	7.97 ng	294225	1,4-Dichlorobenzene-d4	6.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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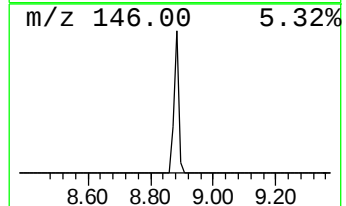
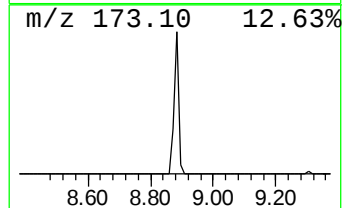
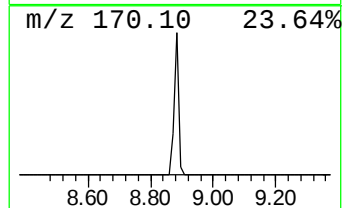
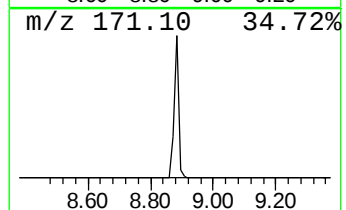
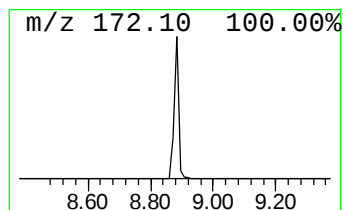
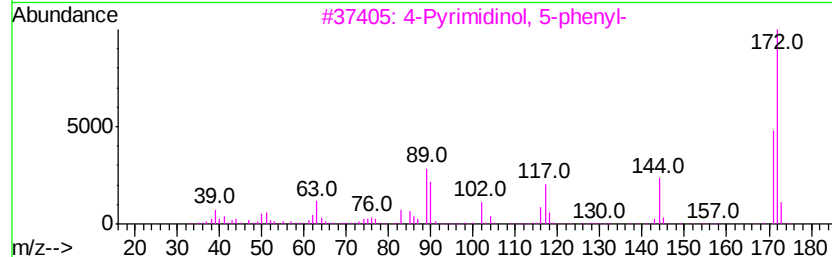
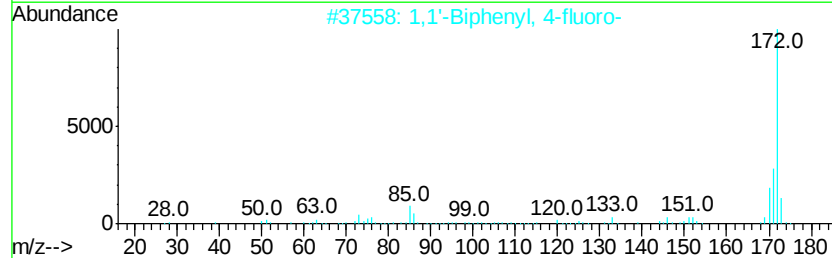
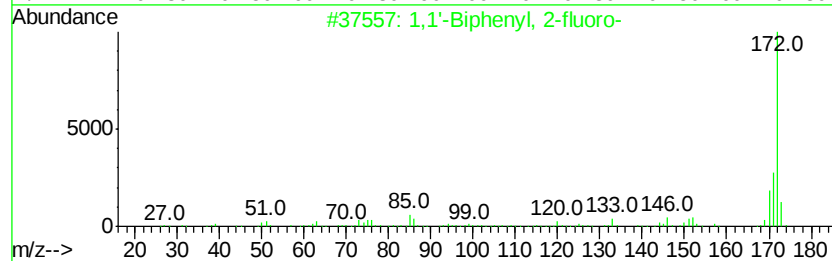
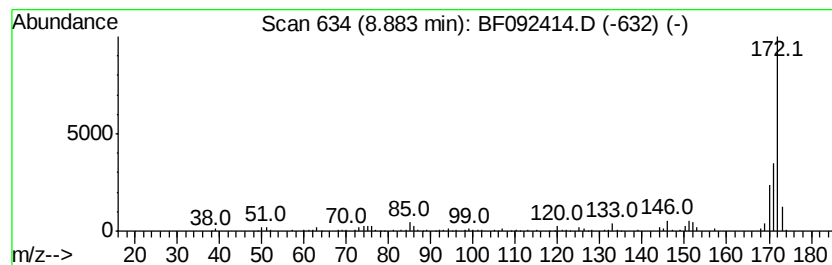
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Peak Number 4 1,1'-Biphenyl, 2-fluoro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.88	4.98 ng	332190	Acenaphthene-d10	9.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	94
2	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	87
3	4-Pyrimidinol, 5-phenyl-	172	C10H8N2O	022433-69-8	42
4	4-Amino-6-hydroxy-2-mercapto-5-n...	172	C4H4N4O2S	001672-48-6	38
5	Benzenepropanoic acid, .alpha.-t...	313	C15H14F3N03	1000269-21-4	33



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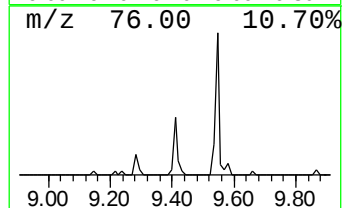
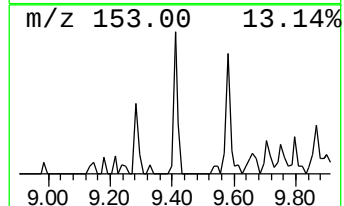
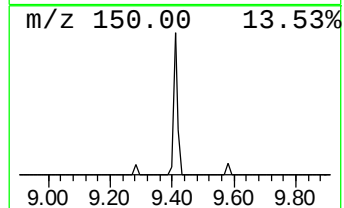
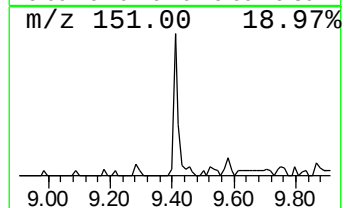
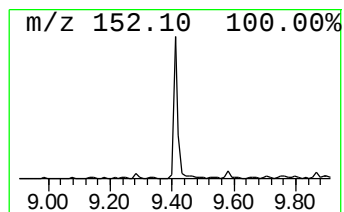
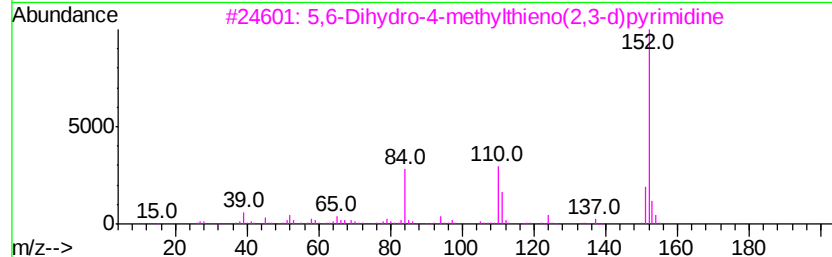
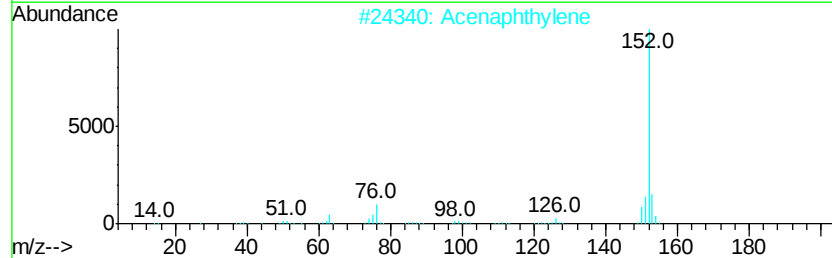
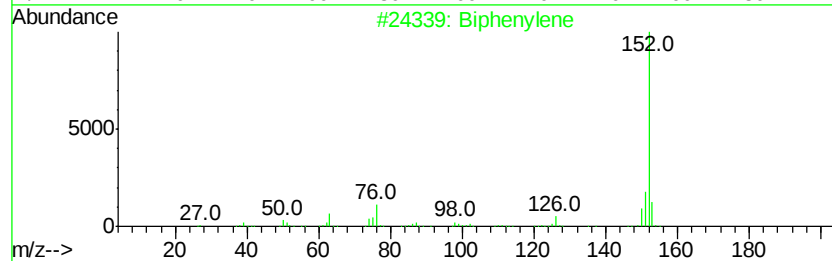
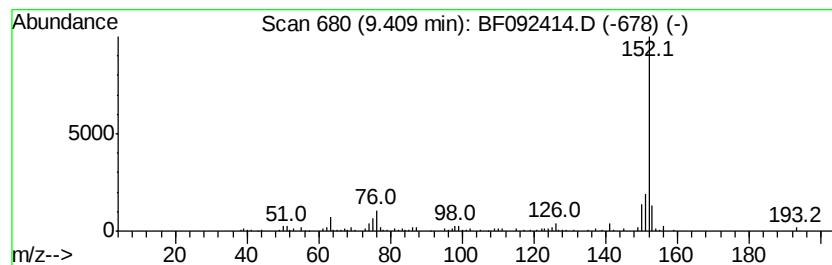
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 Biphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	2.55 ng	170482	Acenaphthene-d10	9.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Biphenylene	152	C12H8	000259-79-0	95
2		Acenaphthylene	152	C12H8	000208-96-8	87
3		5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	53
4		(6BALPHA,7BETA,11ALPHA,11AALPHA)...	334	C25H18O	1000241-69-8	50
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	43



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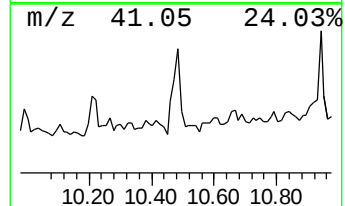
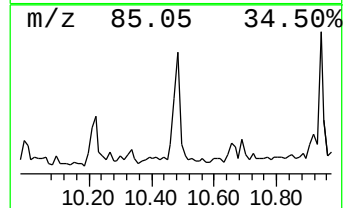
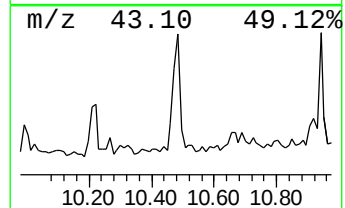
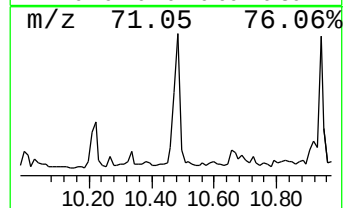
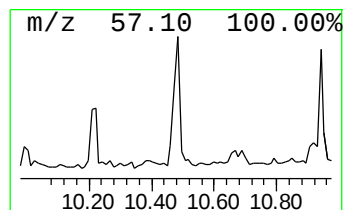
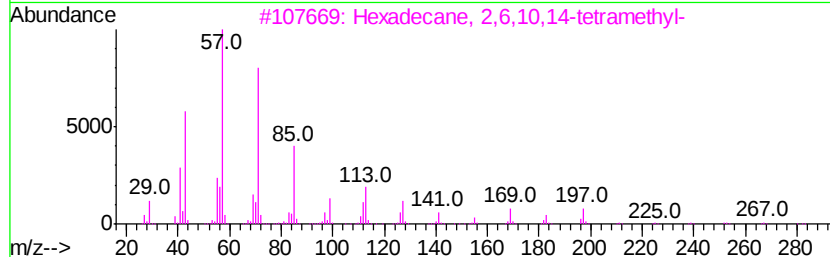
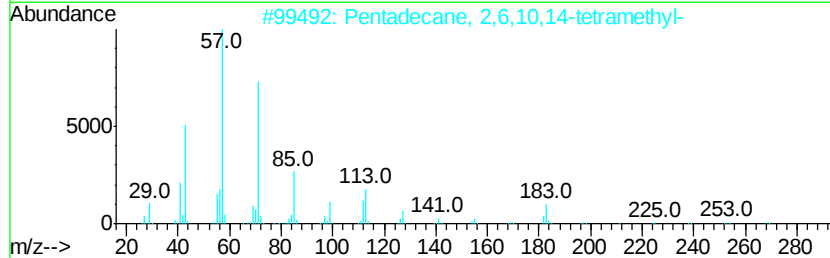
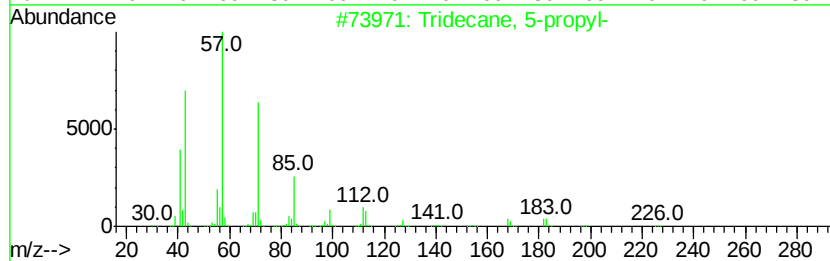
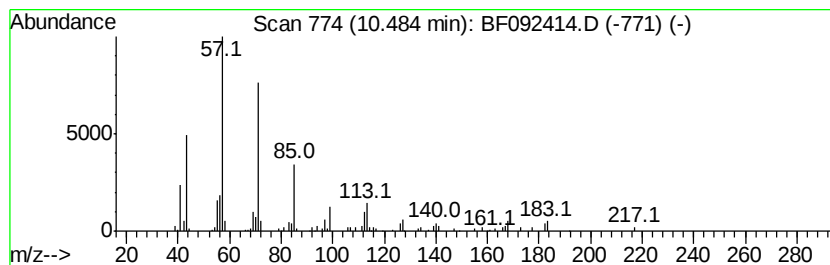
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane, 5-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.48	2.02 ng	139001	Phenanthrene-d10	11.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	91
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
5	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092414.D
Acq On : 21 Jan 2017 15:51
Operator : UM/SJ
Sample : I1265-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

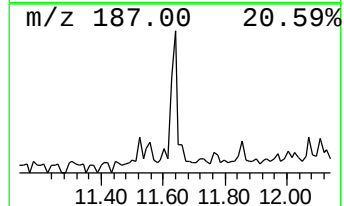
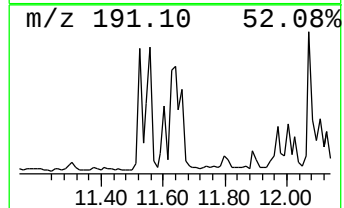
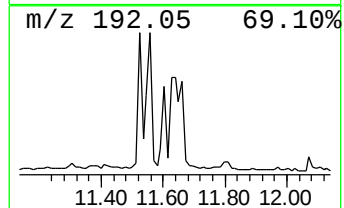
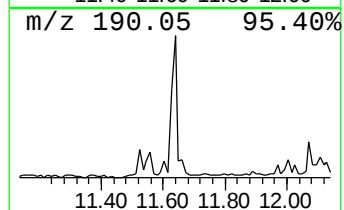
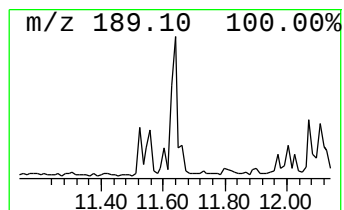
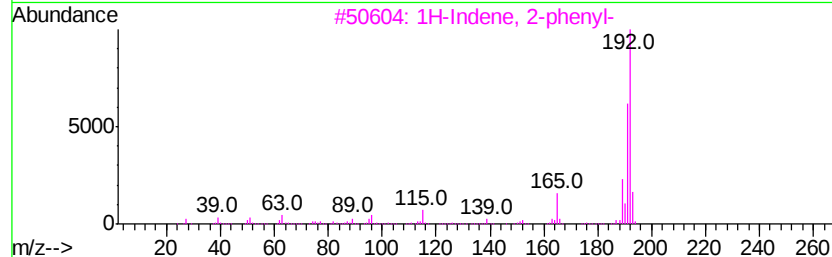
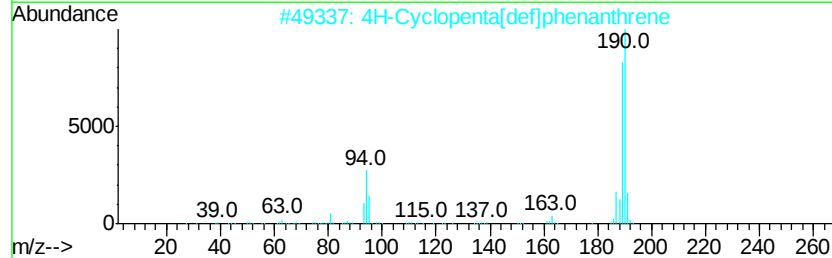
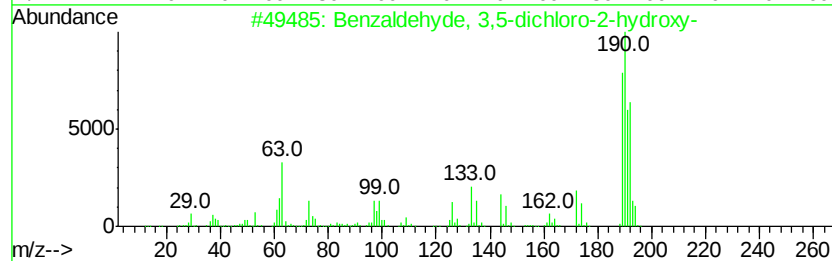
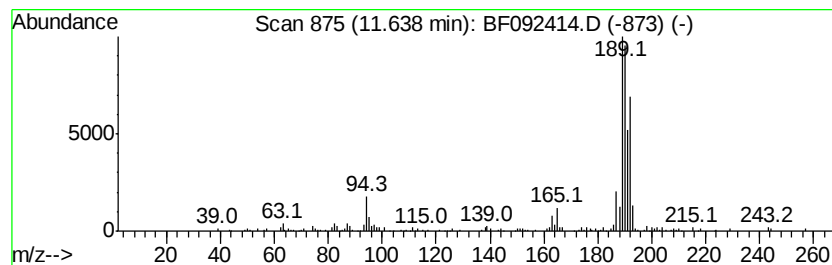
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.64	4.19 ng	288255	Phenanthrene-d10		11.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
Data File : BF092414.D
Acq On : 21 Jan 2017 15:51
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Instrument :
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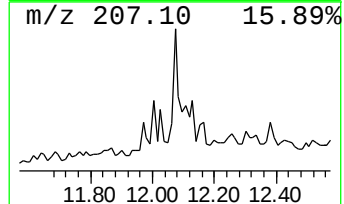
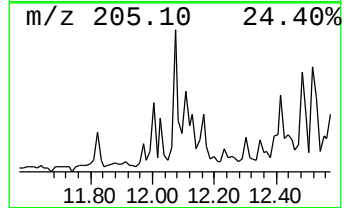
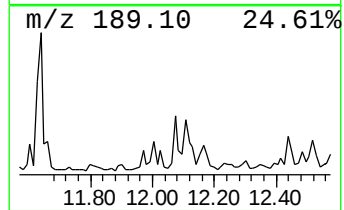
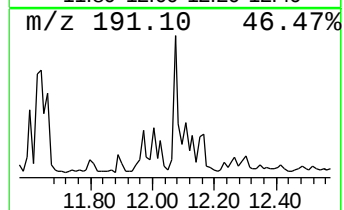
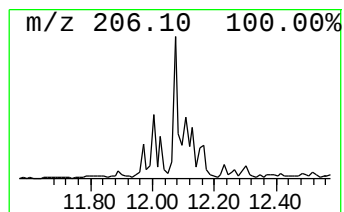
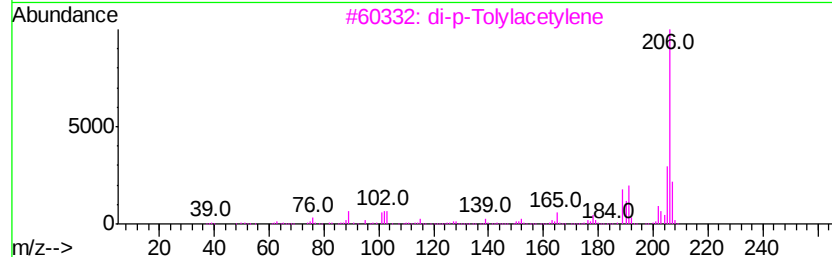
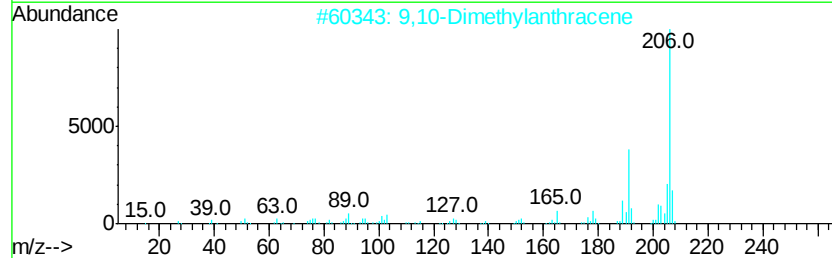
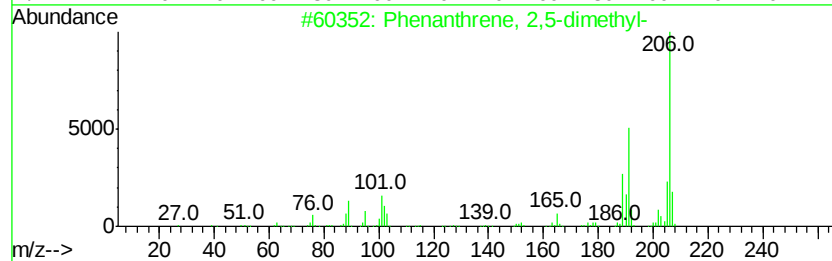
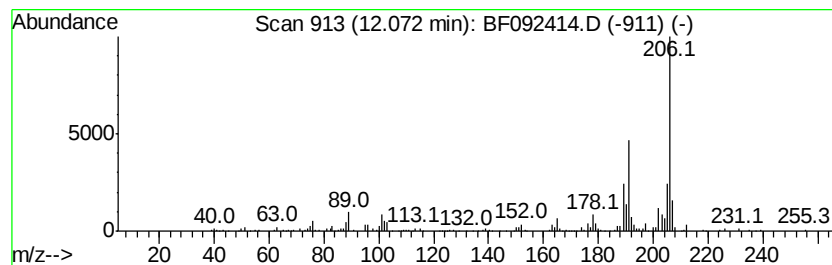
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.76 ng	190234	Phenanthrene-d10	11.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
Data File : BF092414.D
Acq On : 21 Jan 2017 15:51
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Sample : I1265-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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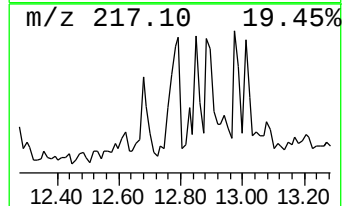
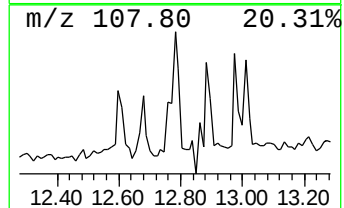
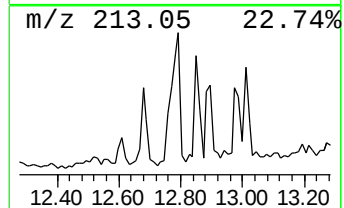
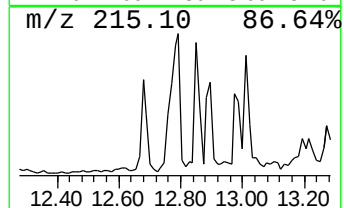
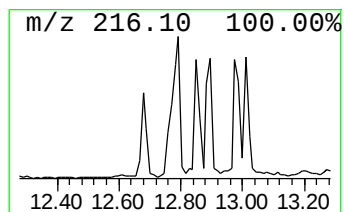
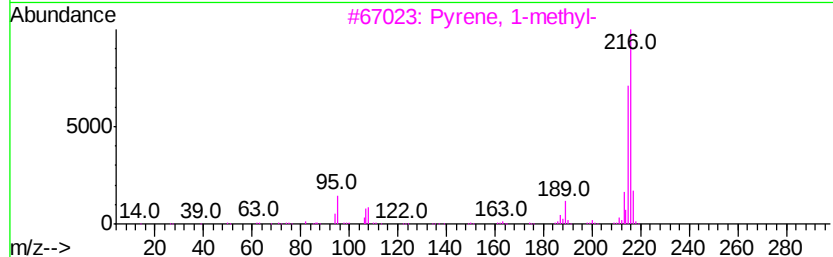
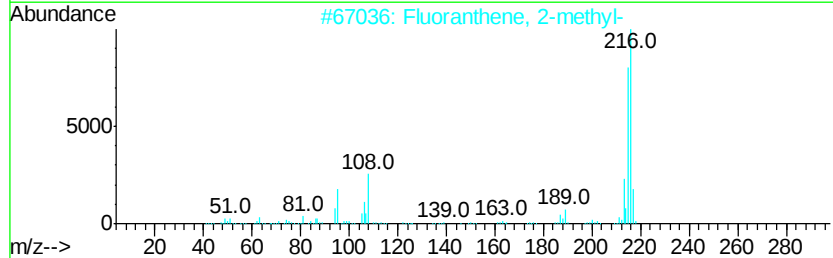
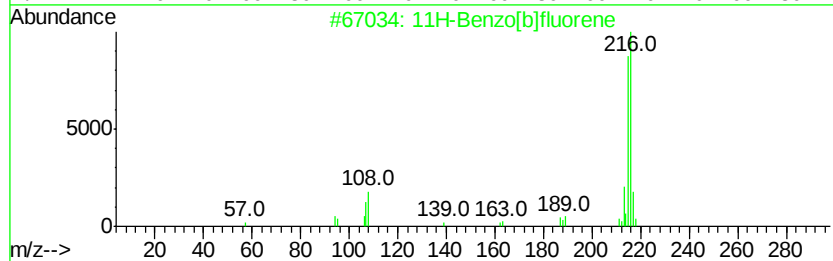
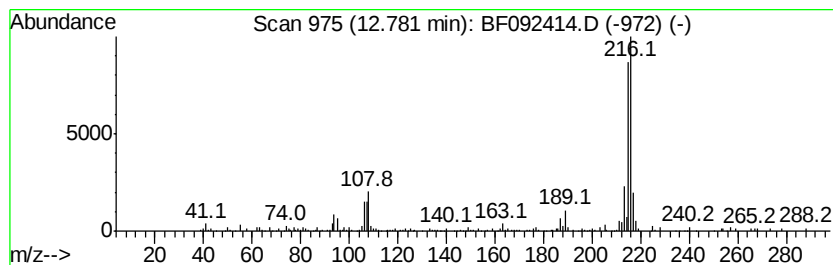
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	2.61 ng	241495	Chrysene-d12	13.65

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
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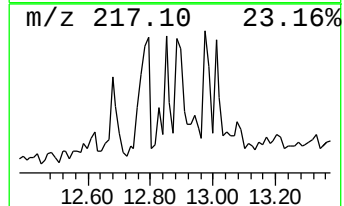
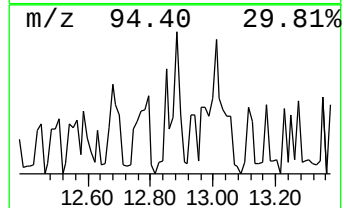
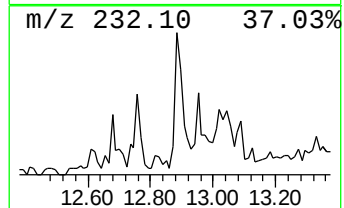
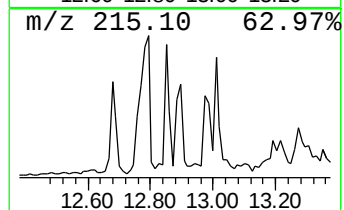
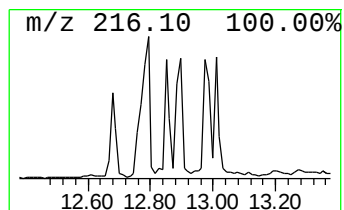
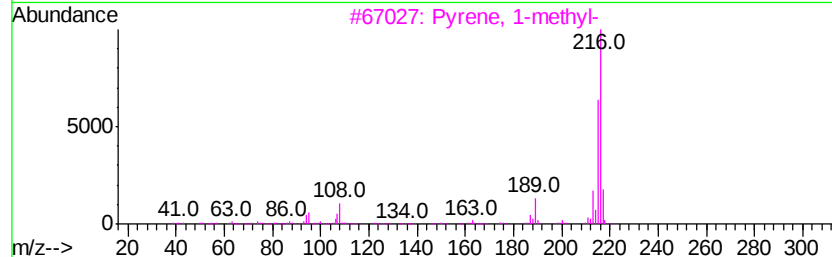
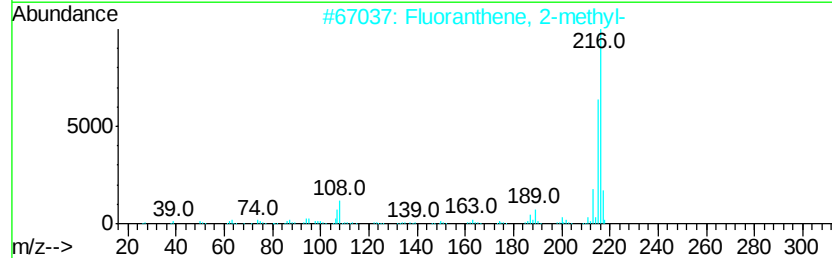
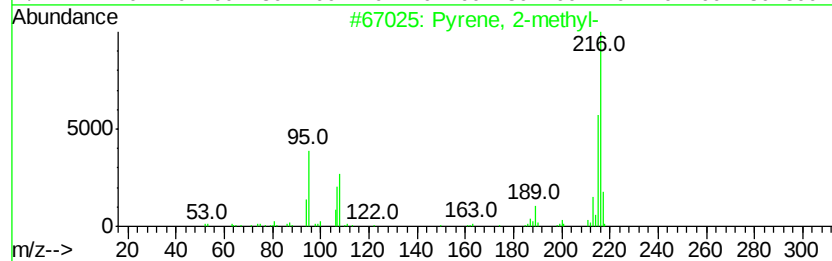
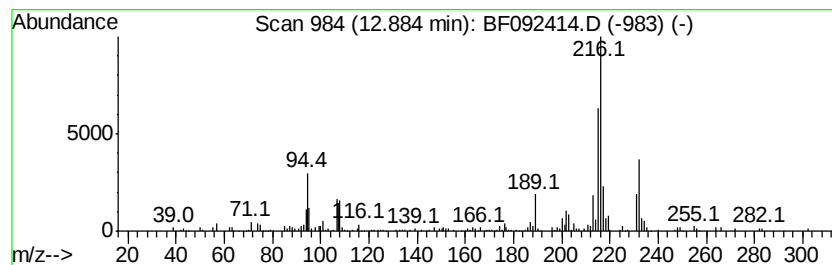
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	2.02 ng	187038	Chrysene-d12	13.65
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 2-methyl-	216 C17H12	003442-78-2 86
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 60
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 60
4		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 60
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
Data File : BF092414.D
Acq On : 21 Jan 2017 15:51
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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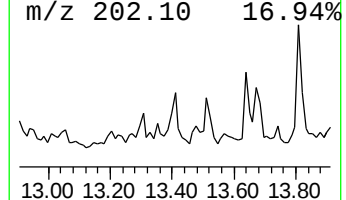
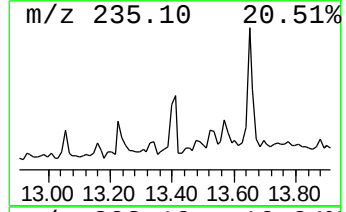
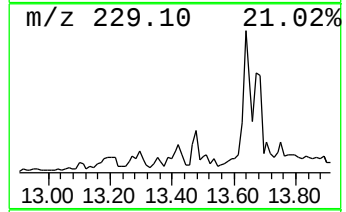
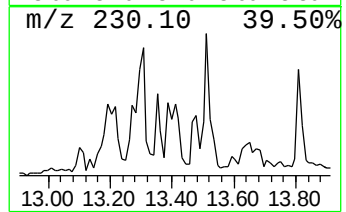
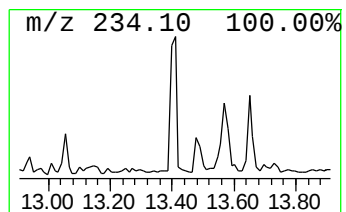
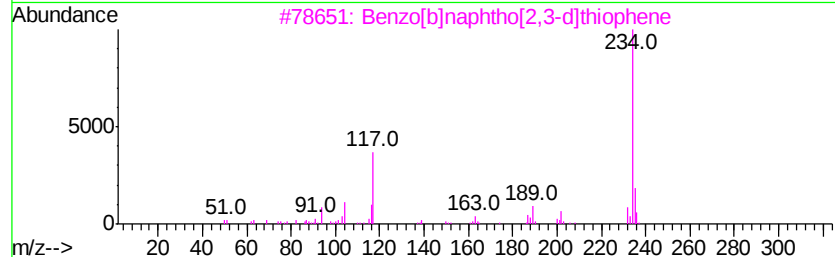
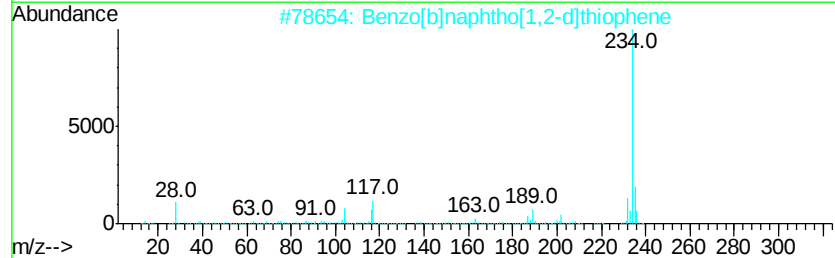
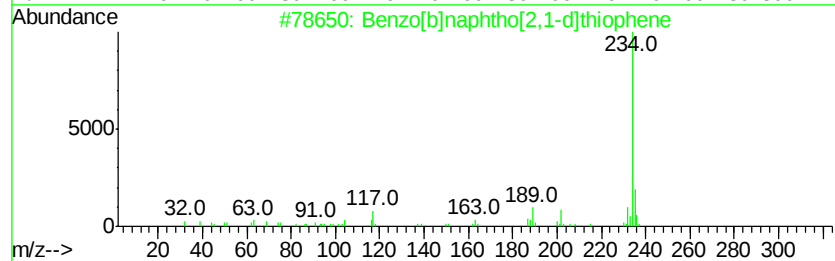
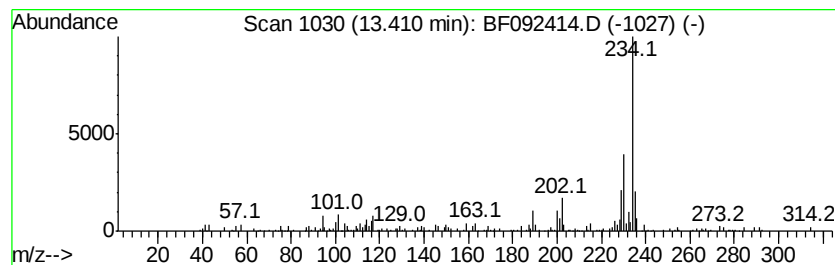
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.56 ng	236122	Chrysene-d12	13.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
2		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43
5		Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012117\
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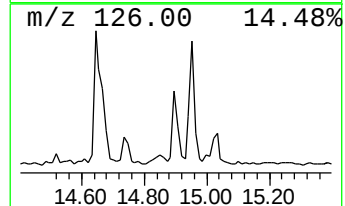
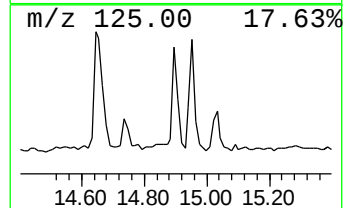
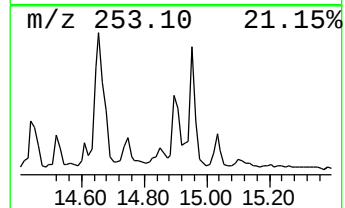
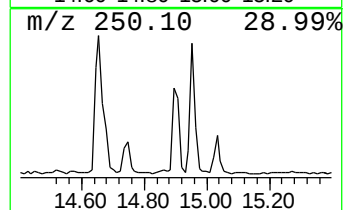
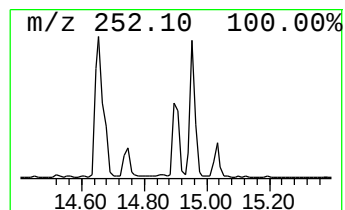
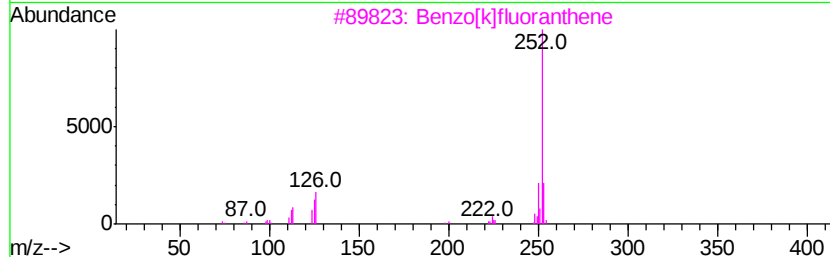
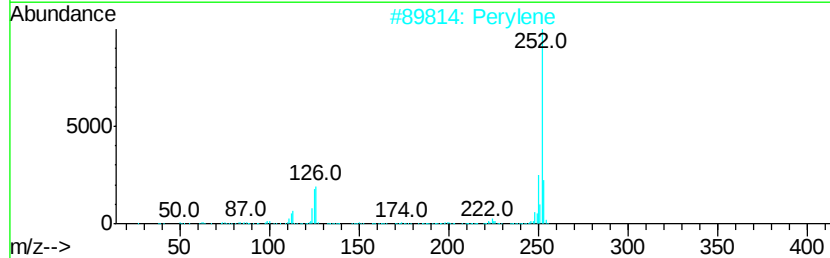
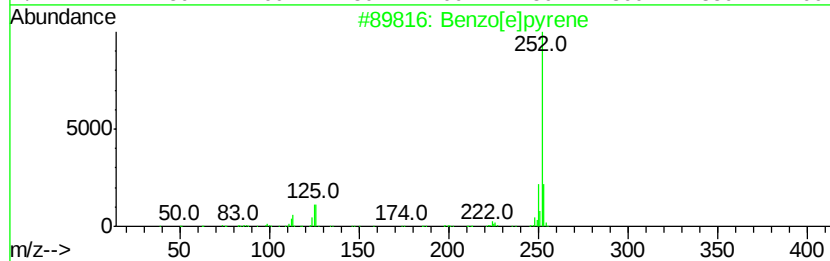
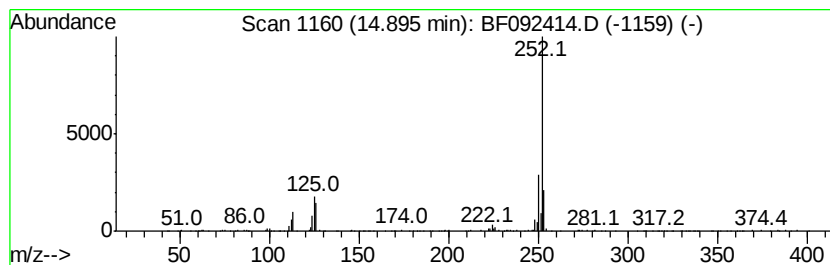
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.90	5.61 ng	206460	Perylene-d12	15.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
 Data File : BF092414.D
 Acq On : 21 Jan 2017 15:51
 Operator : UM/SJ
 Sample : I1265-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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...	4.60	2.8	ng	102720	1	6.51	738504	20.0
unknown6.30	6.30	8.0	ng	294225	1	6.51	738504	20.0
1,1'-Biphenyl, 2-...	8.88	5.0	ng	332190	3	9.55	1334950	20.0
Biphenylene	9.41	2.5	ng	170482	3	9.55	1334950	20.0
Tridecane, 5-propyl-	10.48	2.0	ng	139001	4	11.02	1376080	20.0
Benzaldehyde, 3,5...	11.64	4.2	ng	288255	4	11.02	1376080	20.0
Phenanthrene, 2,5...	12.07	2.8	ng	190234	4	11.02	1376080	20.0
11H-Benzo[b]fluorene	12.78	2.6	ng	241495	5	13.65	1847540	20.0
Pyrene, 2-methyl-	12.88	2.0	ng	187038	5	13.65	1847540	20.0
Benzo[b]naphtho[2...	13.41	2.6	ng	236122	5	13.65	1847540	20.0
Benzo[e]pyrene	14.90	5.6	ng	206460	6	15.01	736339	20.0