

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
 Data File : BF080988.D
 Acq On : 13 Aug 2015 19:06
 Operator : UM/IZ
 Sample : G3292-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSE

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-BF080715.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	4.921	244	248	256	rBV	880630	1319737	11.30%	1.267%
2	5.344	282	285	287	rVB	1373275	1399184	11.98%	1.343%
3	6.384	374	376	379	rVB	1114065	1523029	13.04%	1.462%
4	6.521	385	388	390	rVB	1319807	1548200	13.26%	1.486%
5	6.750	406	408	410	rBV	377729	326181	2.79%	0.313%
6	6.910	419	422	423	rBV	854541	956284	8.19%	0.918%
7	7.322	454	458	460	rVB	715351	1020383	8.74%	0.979%
8	8.053	518	522	524	rBV2	711349	1115358	9.55%	1.070%
9	8.567	562	567	571	rVV	409475	1118620	9.58%	1.074%
10	8.659	571	575	576	rVV2	183641	308342	2.64%	0.296%
11	8.750	580	583	585	rVV2	294699	367340	3.15%	0.353%
12	8.842	589	591	593	rVB	246495	226304	1.94%	0.217%
13	9.116	612	615	617	rVB	1109344	1193976	10.22%	1.146%
14	9.207	617	623	625	rBV2	183631	240054	2.06%	0.230%
15	9.367	634	637	639	rBV	144131	217017	1.86%	0.208%
16	9.447	641	644	645	rVV	274817	310406	2.66%	0.298%
17	9.505	647	649	652	rVV	308486	474127	4.06%	0.455%
18	9.562	652	654	659	rVV	148774	229454	1.96%	0.220%
19	9.642	659	661	664	rVV	598968	643913	5.51%	0.618%
20	9.790	670	674	675	rVV2	286077	573673	4.91%	0.551%
21	9.825	675	677	678	rVV	1496610	1549553	13.27%	1.487%
22	9.985	689	691	693	rVV	608177	770303	6.60%	0.739%
23	10.133	702	704	707	rVV2	113650	230452	1.97%	0.221%
24	10.225	710	712	714	rVV2	129689	267475	2.29%	0.257%
25	10.282	714	717	719	rVV4	111614	300642	2.57%	0.289%
26	10.339	719	722	724	rVV	1022520	1472936	12.61%	1.414%
27	10.396	724	727	728	rVV	281470	466973	4.00%	0.448%
28	10.442	730	731	734	rVV2	270393	549450	4.70%	0.527%
29	10.488	734	735	738	rVV	338826	403710	3.46%	0.387%
30	10.568	739	742	744	rVV	866028	1252747	10.73%	1.202%
31	10.613	744	746	749	rVV3	131805	321843	2.76%	0.309%
32	10.693	751	753	757	rVV2	371145	736232	6.30%	0.707%
33	10.773	757	760	761	rVV3	125652	280173	2.40%	0.269%
34	10.876	765	769	770	rVV2	378528	788372	6.75%	0.757%

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35	10.910	770	772	773 rVV	245488	429882	3.68%	0.413%
36	10.956	775	776	778 rVV2	224624	313372	2.68%	0.301%
37	11.025	778	782	785 rVV4	266713	900077	7.71%	0.864%
38	11.082	785	787	789 rVV	465269	699192	5.99%	0.671%
39	11.128	789	791	792 rVV	366539	511880	4.38%	0.491%
40	11.162	792	794	799 rVV2	765949	1341896	11.49%	1.288%
41	11.242	799	801	802 rVV	130214	249074	2.13%	0.239%
42	11.322	802	808	810 rVV2	4653993	11679039	100.00%	11.208%
43	11.368	810	812	814 rVV	2753129	3328366	28.50%	3.194%
44	11.425	816	817	820 rVV2	221583	516323	4.42%	0.496%
45	11.505	820	824	825 rVV2	997091	1417364	12.14%	1.360%
46	11.528	825	826	828 rVV2	229204	387797	3.32%	0.372%
47	11.573	828	830	831 rVV	461499	700358	6.00%	0.672%
48	11.596	831	832	834 rVV2	375790	549310	4.70%	0.527%
49	11.676	838	839	841 rVV	209151	308960	2.65%	0.297%
50	11.733	841	844	845 rVV	194300	368050	3.15%	0.353%
51	11.779	845	848	849 rVV	861125	1416344	12.13%	1.359%
52	11.802	849	850	852 rVV	1102201	1400579	11.99%	1.344%
53	11.848	852	854	856 rVV	403100	697971	5.98%	0.670%
54	11.893	856	858	862 rVV	1855714	2893858	24.78%	2.777%
55	11.973	862	865	869 rVV4	144948	518871	4.44%	0.498%
56	12.065	871	873	875 rVV	463260	715182	6.12%	0.686%
57	12.099	875	876	878 rVV	361363	507988	4.35%	0.488%
58	12.213	883	886	887 rVV2	212931	283515	2.43%	0.272%
59	12.248	887	889	893 rVV	218671	446730	3.83%	0.429%
60	12.328	893	896	897 rVV	397552	563580	4.83%	0.541%
61	12.362	897	899	902 rVV2	254257	609868	5.22%	0.585%
62	12.442	902	906	907 rVV2	238358	536228	4.59%	0.515%
63	12.522	907	913	915 rVV	3214443	6741061	57.72%	6.469%
64	12.591	917	919	921 rVV	231345	375345	3.21%	0.360%
65	12.636	921	923	927 rVV3	244479	502321	4.30%	0.482%
66	12.751	927	933	937 rVV2	3071518	8314159	71.19%	7.979%
67	12.865	938	943	946 rVV3	450978	1108701	9.49%	1.064%
68	12.934	946	949	953 rVV3	352869	764266	6.54%	0.733%
69	13.048	954	959	960 rVV	701671	1217379	10.42%	1.168%
70	13.116	960	965	966 rVV2	369931	763294	6.54%	0.733%
71	13.151	966	968	971 rVV2	583939	927810	7.94%	0.890%

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72	13.242	974	976	977	rVV	301093	398283	3.41%	0.382%
73	13.265	977	978	983	rVV3	340401	527494	4.52%	0.506%
74	13.436	989	993	999	rVV3	202790	555654	4.76%	0.533%
75	13.551	999	1003	1005	rVV2	279734	506340	4.34%	0.486%
76	13.654	1009	1012	1014	rVV	383410	688693	5.90%	0.661%
77	13.688	1014	1015	1016	rVV	456408	431342	3.69%	0.414%
78	13.711	1016	1017	1020	rVV3	463899	625490	5.36%	0.600%
79	13.768	1020	1022	1024	rVV	352361	431248	3.69%	0.414%
80	13.916	1030	1035	1037	rVV	1409919	3700527	31.69%	3.551%
81	13.962	1037	1039	1041	rVV	1928002	2404151	20.59%	2.307%
82	14.019	1041	1044	1046	rVV2	285536	496532	4.25%	0.477%
83	14.054	1046	1047	1050	rVV3	266000	511252	4.38%	0.491%
84	14.134	1052	1054	1055	rVV2	185692	270220	2.31%	0.259%
85	14.294	1066	1068	1070	rVV	418681	562557	4.82%	0.540%
86	14.328	1070	1071	1073	rVV	254358	257950	2.21%	0.248%
87	14.385	1073	1076	1077	rVV2	254632	404529	3.46%	0.388%
88	14.419	1077	1079	1082	rVV2	262292	552443	4.73%	0.530%
89	14.488	1082	1085	1088	rVB2	146063	230162	1.97%	0.221%
90	14.602	1092	1095	1099	rBV3	111127	308523	2.64%	0.296%
91	14.945	1119	1125	1128	rBV	1223649	3586418	30.71%	3.442%
92	15.025	1128	1132	1134	rVB	333267	402214	3.44%	0.386%
93	15.219	1144	1149	1151	rVV	569211	1263759	10.82%	1.213%
94	15.288	1151	1155	1157	rVV	1017050	1808443	15.48%	1.736%
95	15.357	1157	1161	1163	rVB3	407828	634580	5.43%	0.609%
96	16.328	1241	1246	1254	rVB6	52494	273026	2.34%	0.262%
97	16.682	1269	1277	1279	rBV	409160	1166944	9.99%	1.120%
98	17.083	1303	1312	1316	rBV	278399	919248	7.87%	0.882%
99	19.060	1475	1485	1491	rBV	55424	228374	1.96%	0.219%
100	20.157	1563	1581	1588	rBV3	76074	547323	4.69%	0.525%

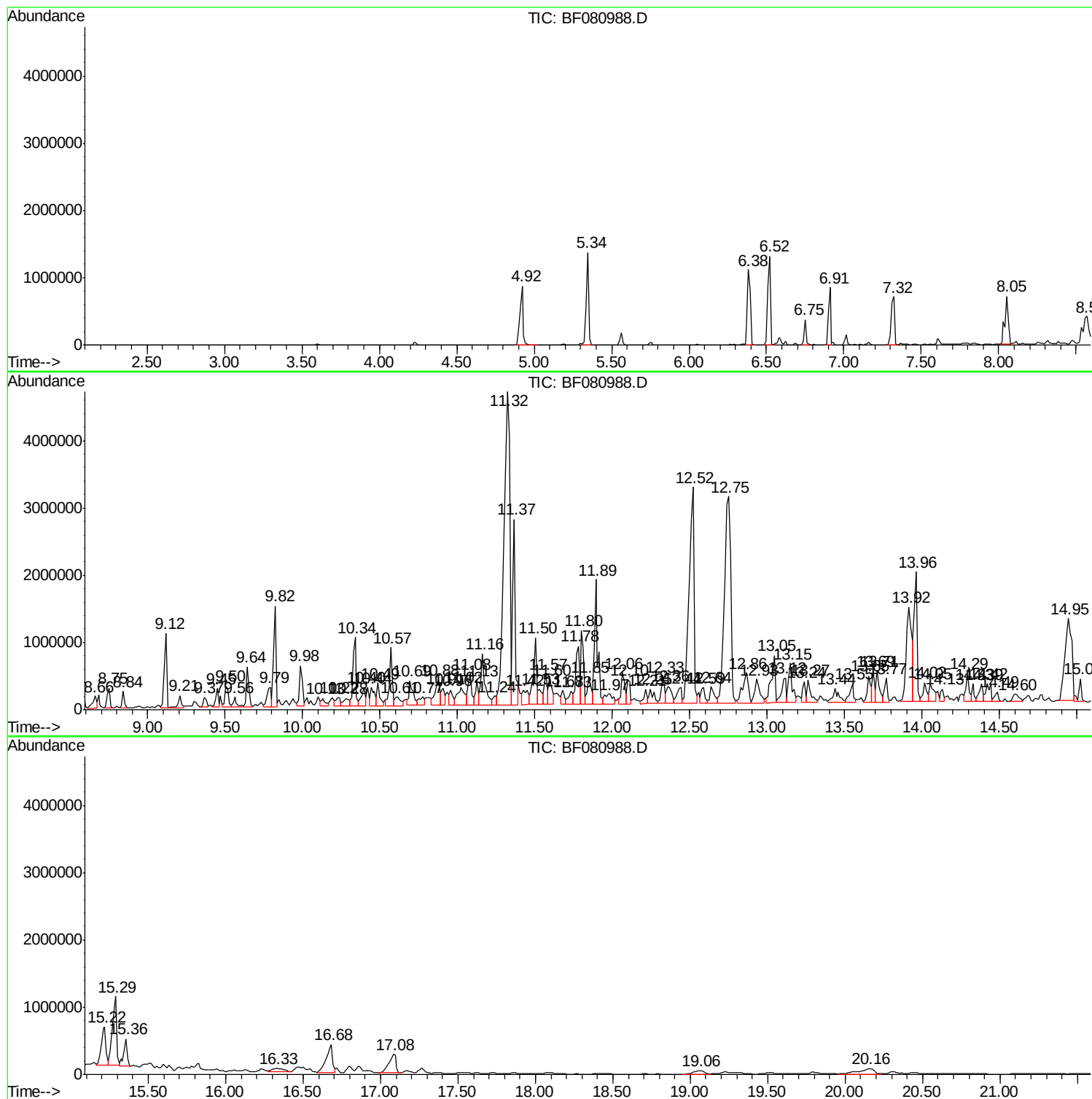
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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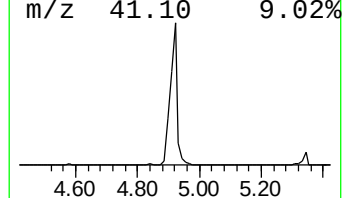
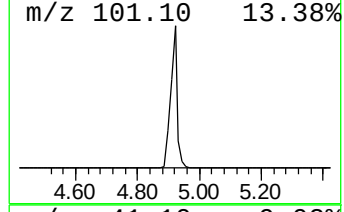
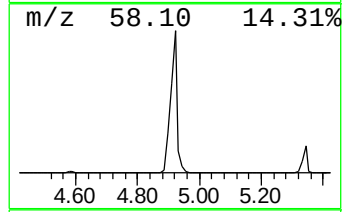
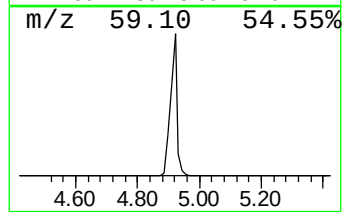
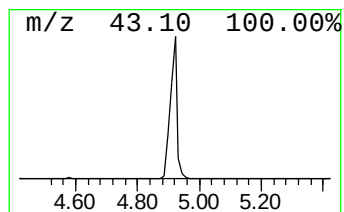
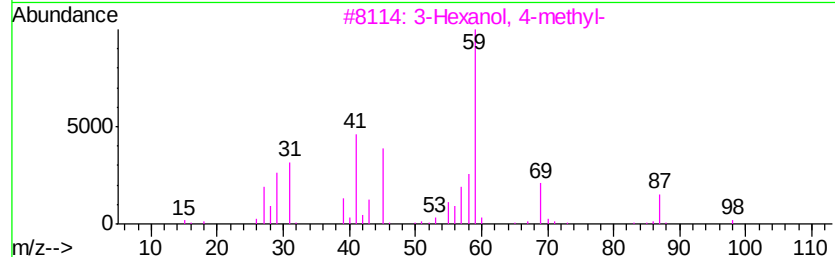
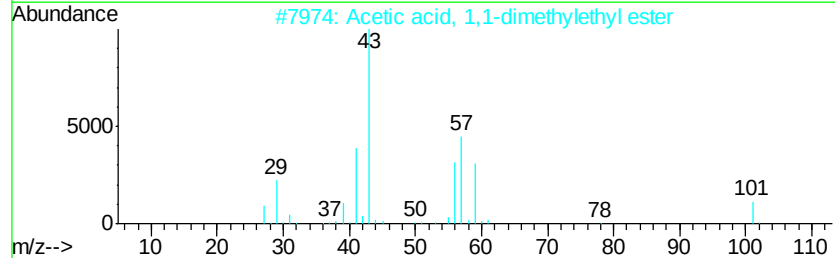
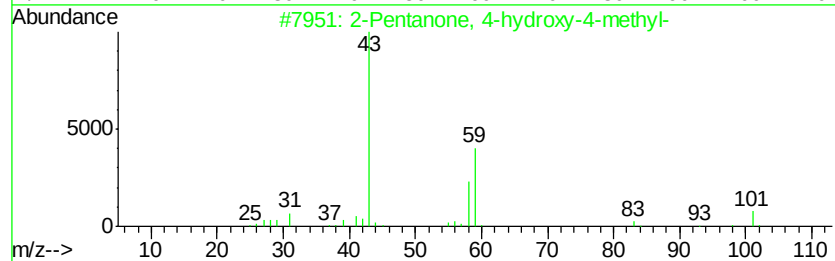
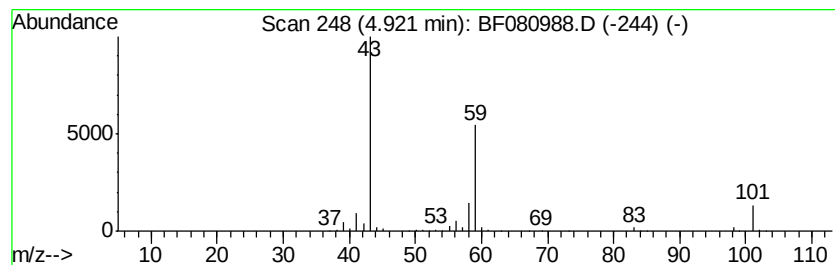
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
4.92	80.92 ng	1319740	1,4-Dichlorobenzene-d4	6.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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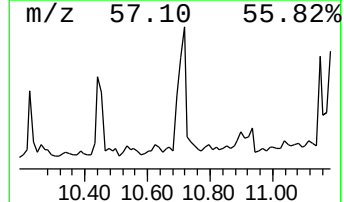
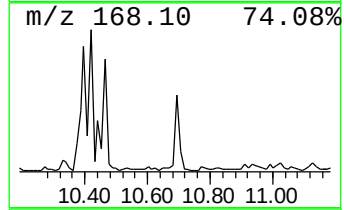
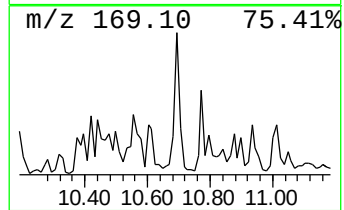
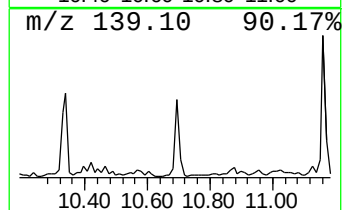
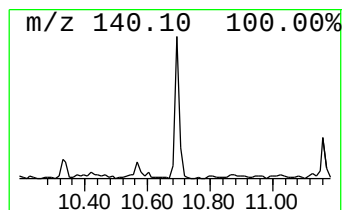
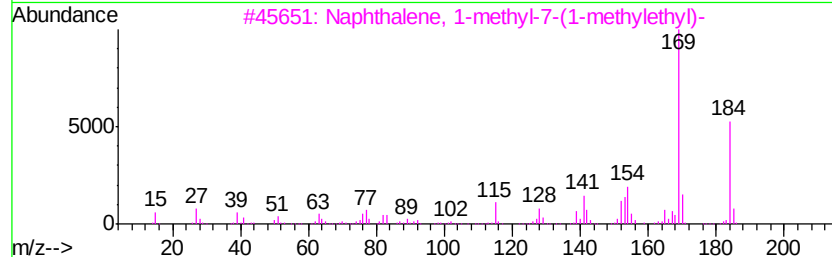
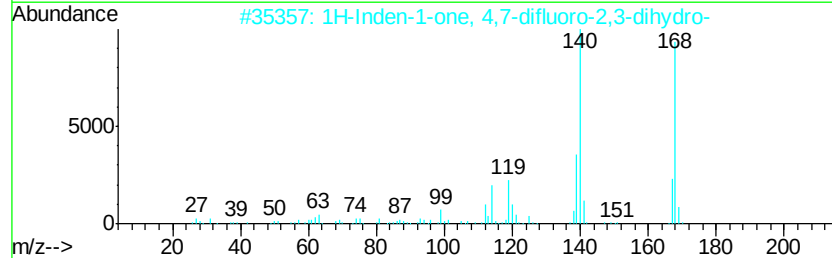
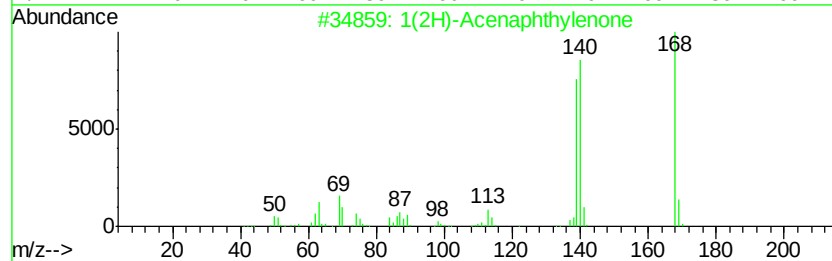
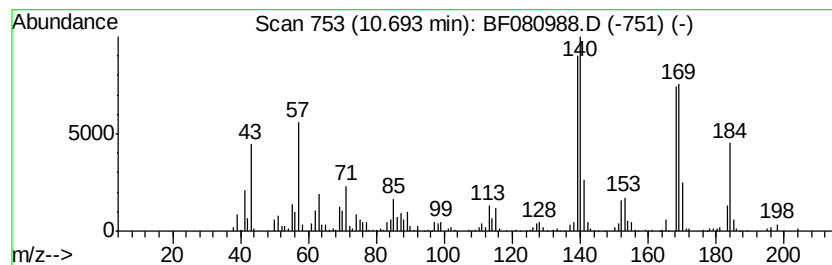
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	59.12 ng	736232	Phenanthrene-d10	11.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1(2H)-Acenaphthylenone	168 C12H8O	002235-15-6 55
2		1H-Inden-1-one, 4,7-difluoro-2,3...	168 C9H6F2O	130408-16-1 30
3		Naphthalene, 1-methyl-7-(1-methy...	184 C14H16	000490-65-3 30
4		Cyclobuta[de]naphthalene	140 C11H8	024973-91-9 30
5		Pyridine, 3-(phenylmethyl)-	169 C12H11N	000620-95-1 30



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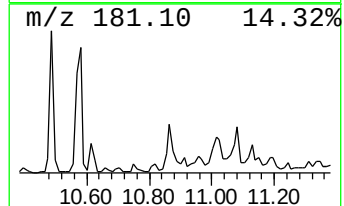
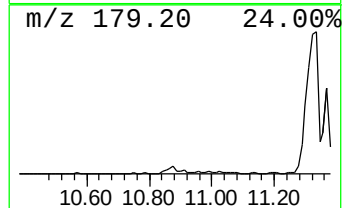
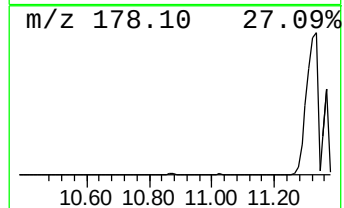
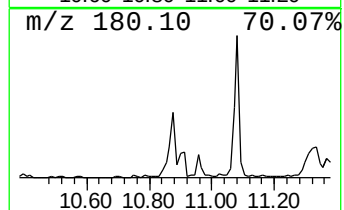
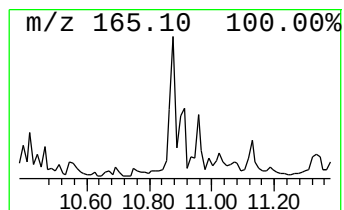
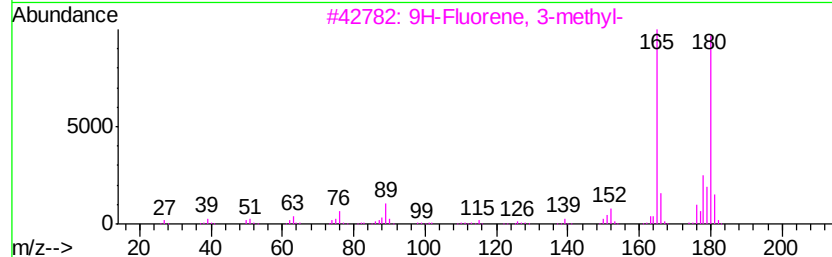
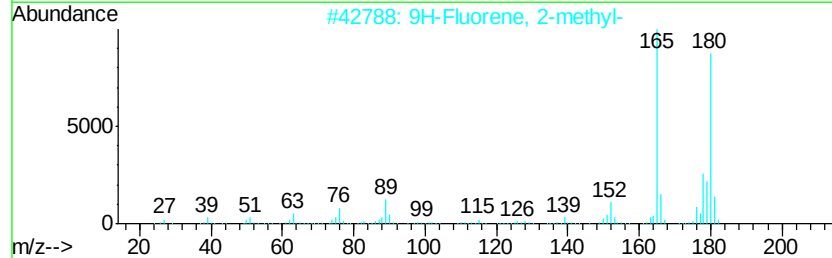
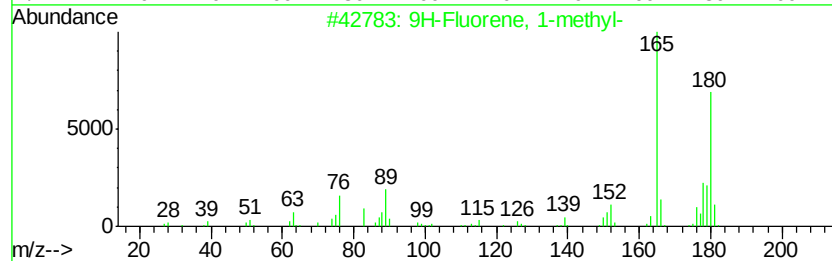
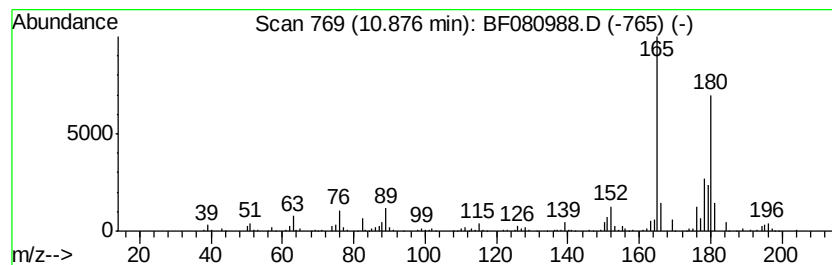
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Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	63.30 ng	788372	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86



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Operator : UM/IZ
Sample : G3292-01
Misc :
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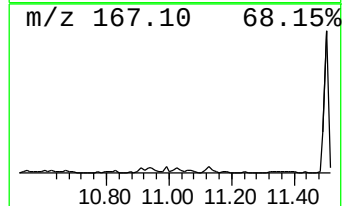
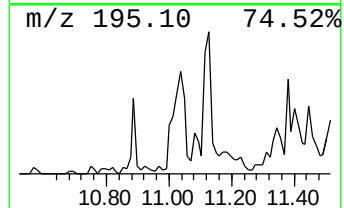
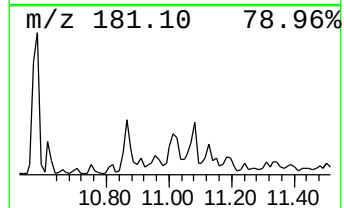
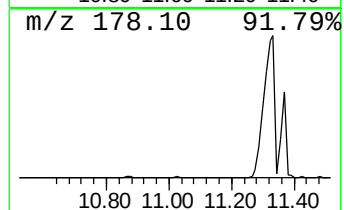
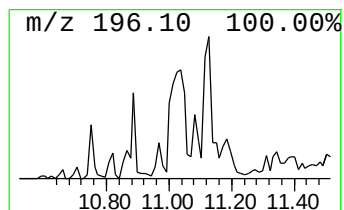
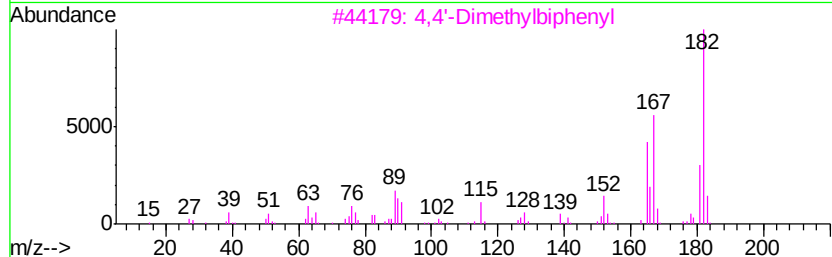
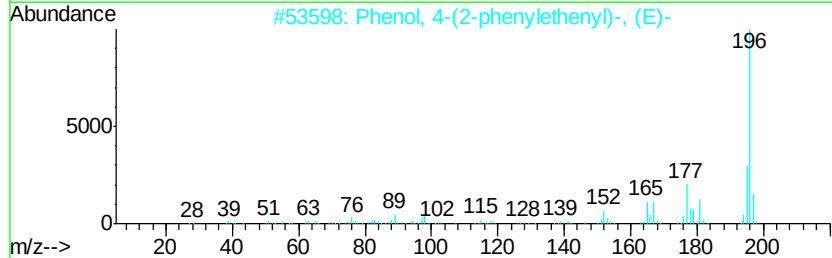
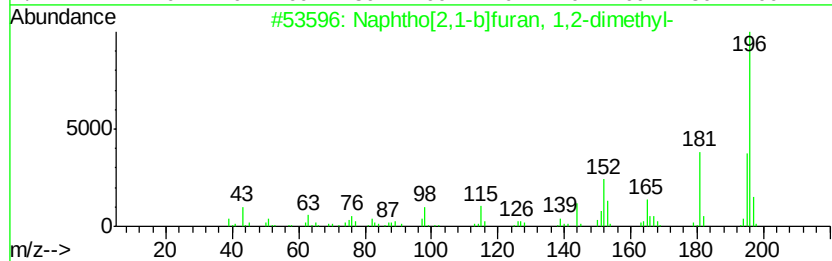
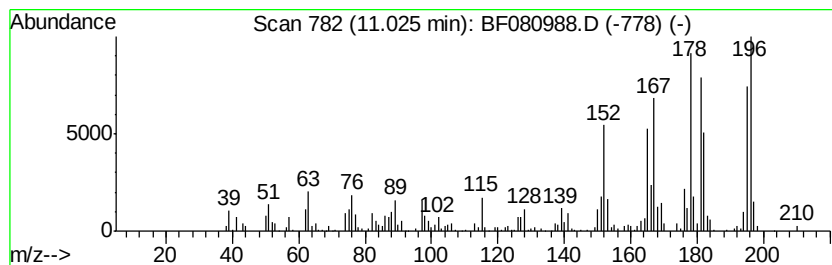
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ClientSampleId :
STOCKPILE8-12-15REUSE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.02	72.27 ng	900077	Phenanthrene-d10	11.28		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	55
2		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
3		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	47
4		2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	46
5		6b,8a-Dihydrocyclobut[a]acenapht...	178	C14H10	030736-79-9	44



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCKPILE8-12-15REUSE

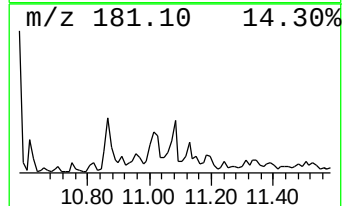
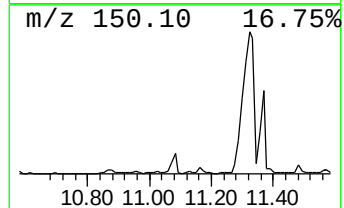
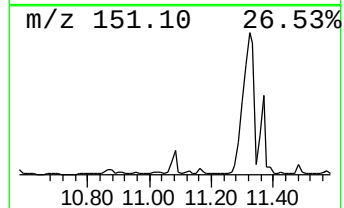
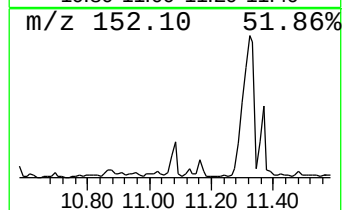
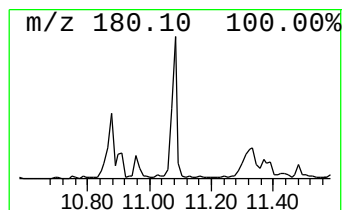
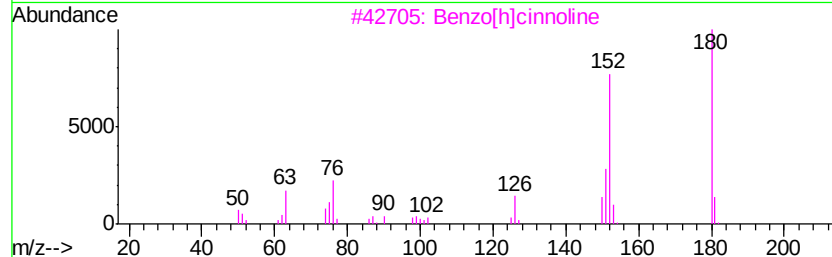
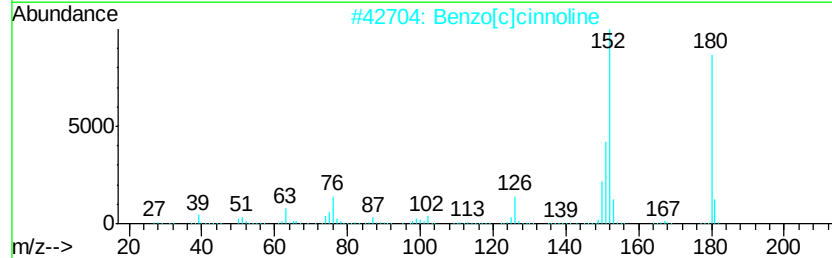
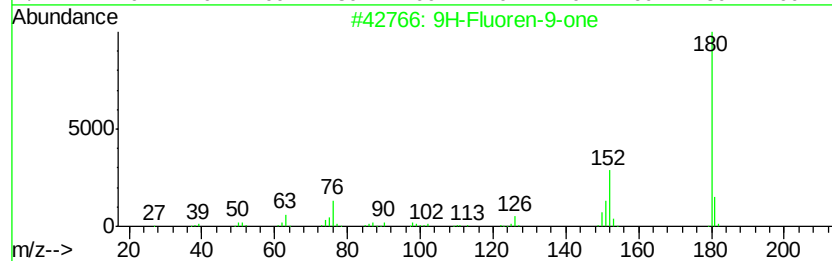
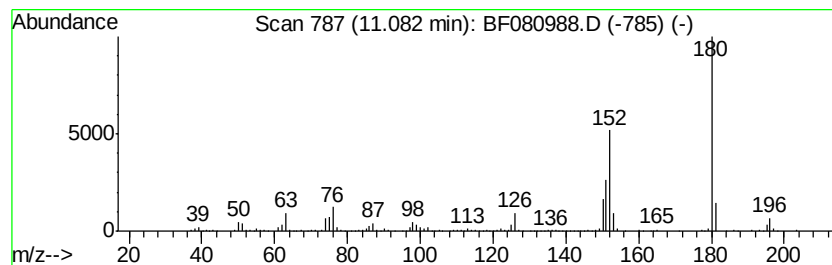
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	56.14 ng	699192	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
5		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
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Sample : G3292-01
Misc :
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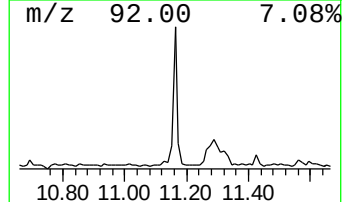
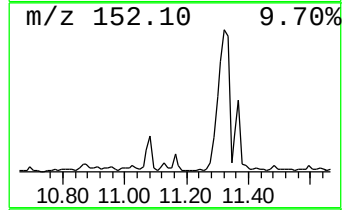
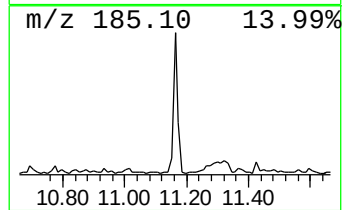
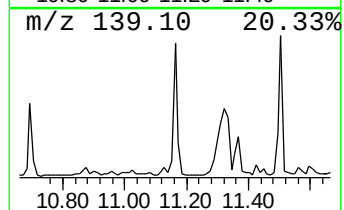
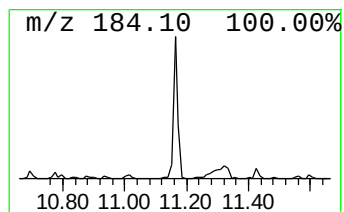
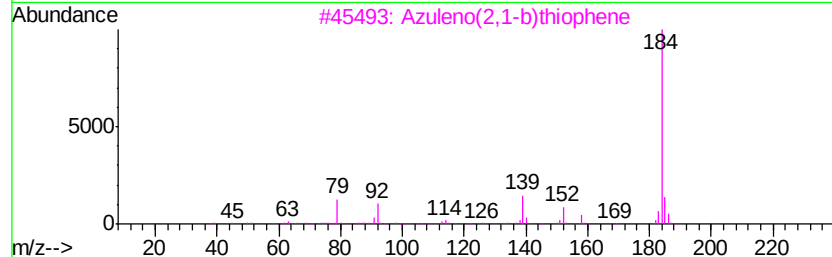
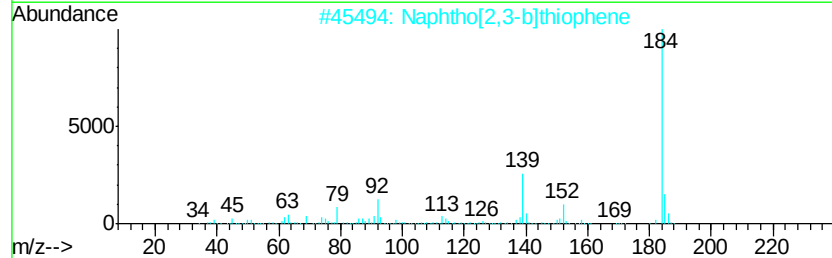
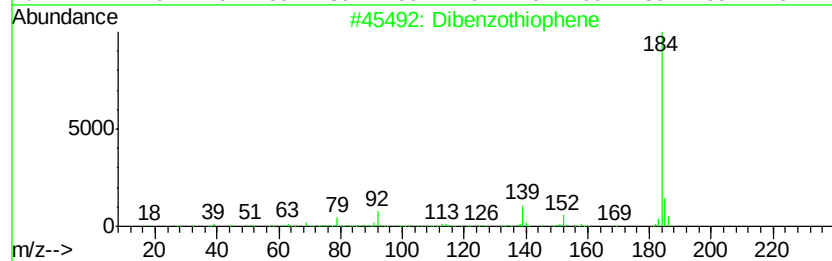
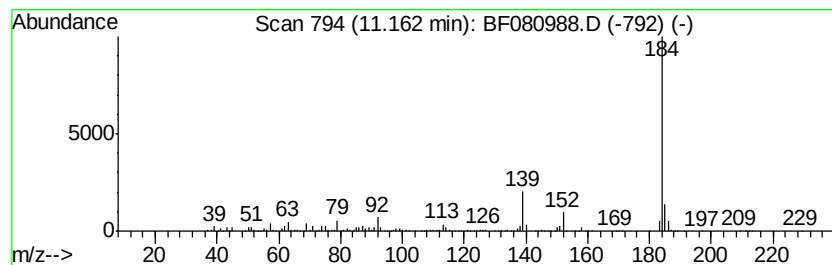
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.16	107.75 ng	1341900	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	59
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

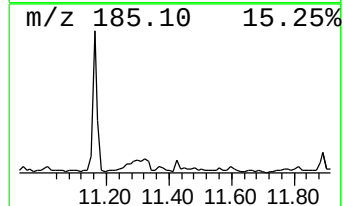
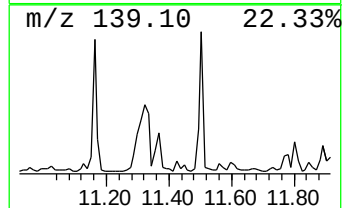
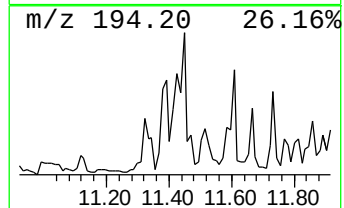
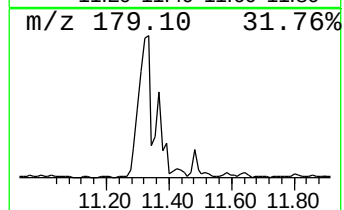
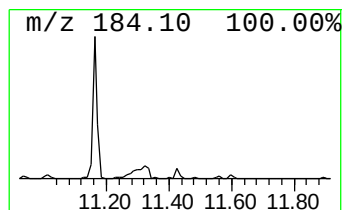
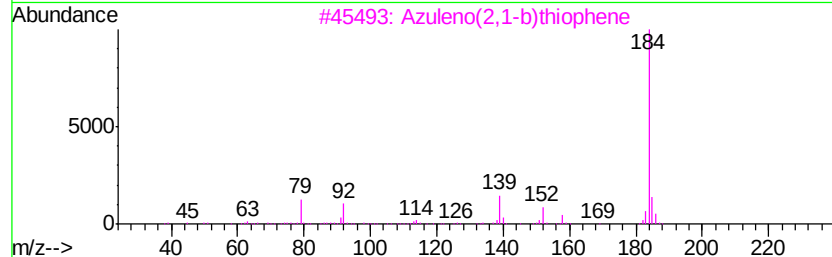
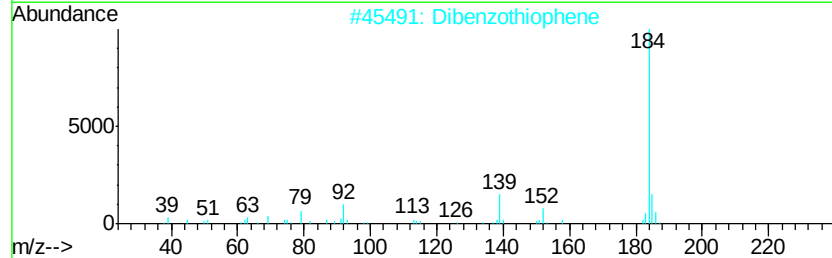
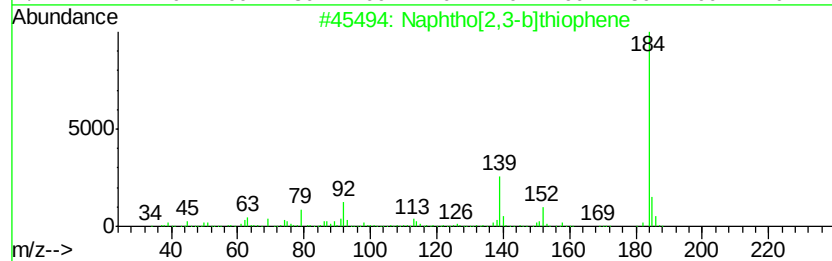
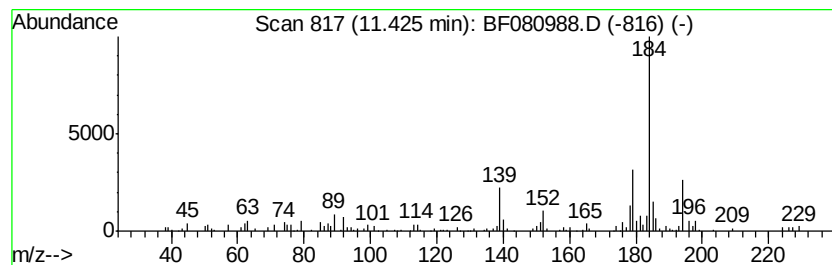
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphtho[2,3-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.42	41.46 ng	516323	Phenanthrene-d10		11.28	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	92
2		Dibenzothiophene	184	C12H8S	000132-65-0	83
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
4		Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	40
5		2-Dibenzofuranol	184	C12H8O2	000086-77-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
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Acq On : 13 Aug 2015 19:06
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Sample : G3292-01
Misc :
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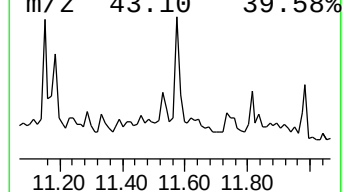
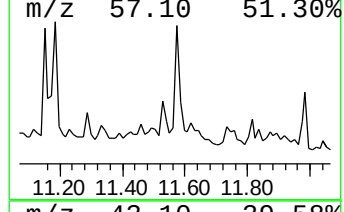
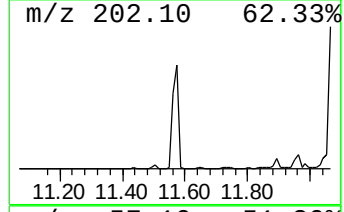
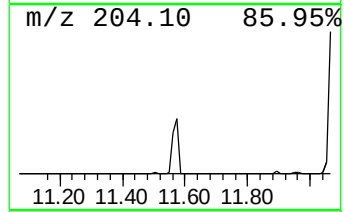
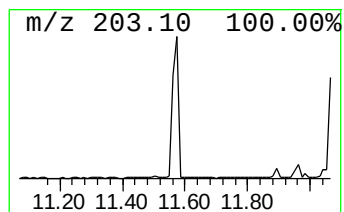
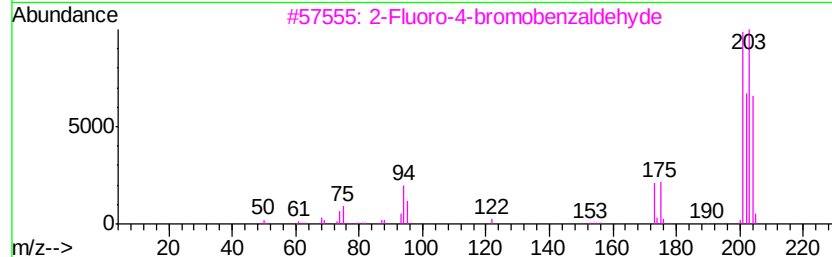
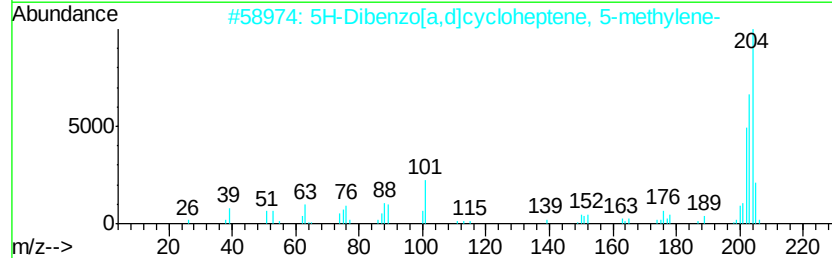
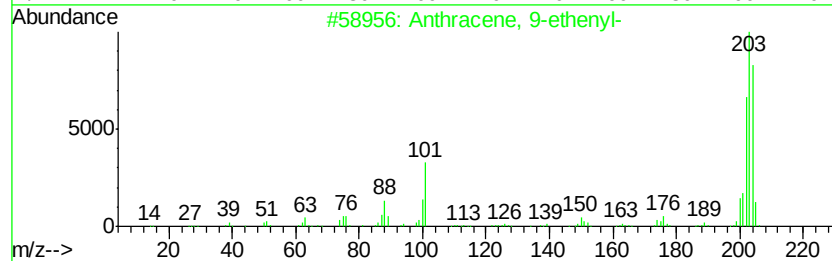
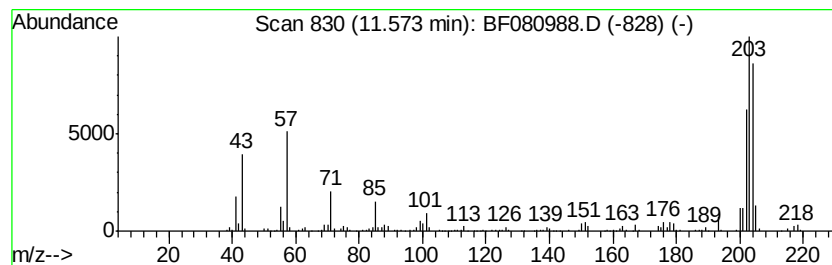
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-ethenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.57	56.24 ng	700358	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	83
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	70
3	2-Fluoro-4-bromobenzaldehyde	202	C7H4BrFO	057848-46-1	64
4	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	62
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
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Misc :
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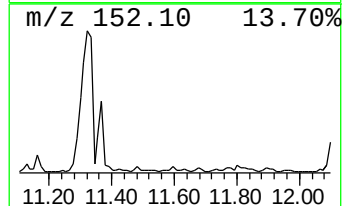
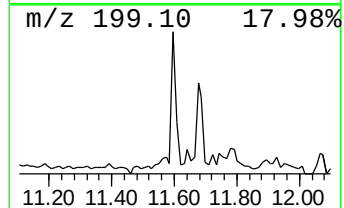
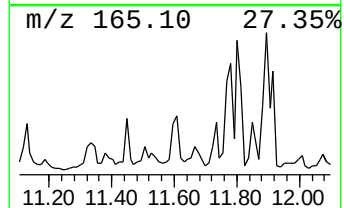
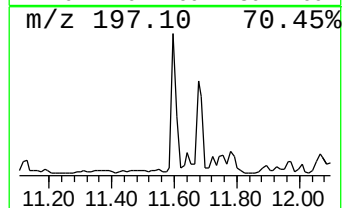
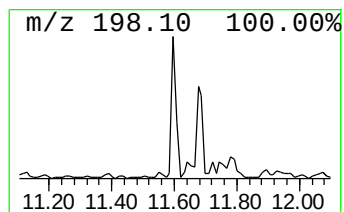
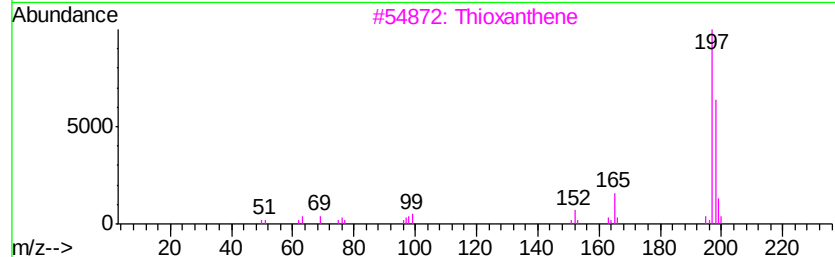
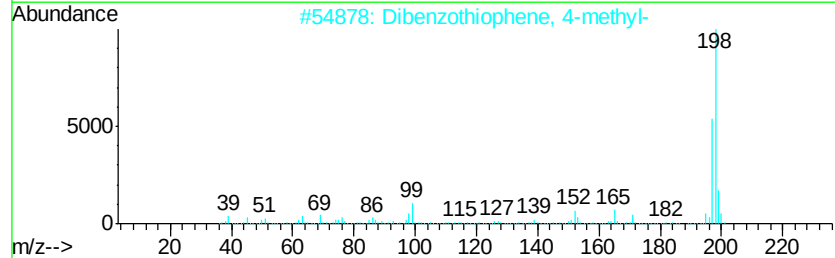
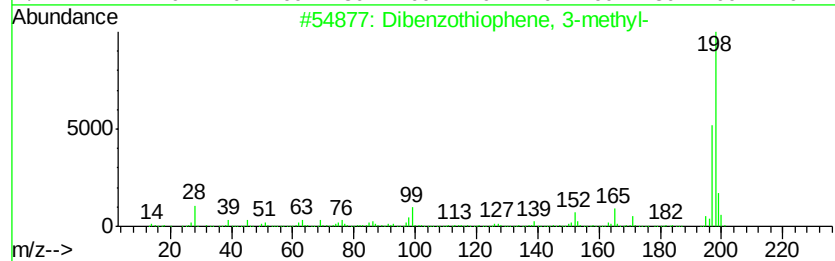
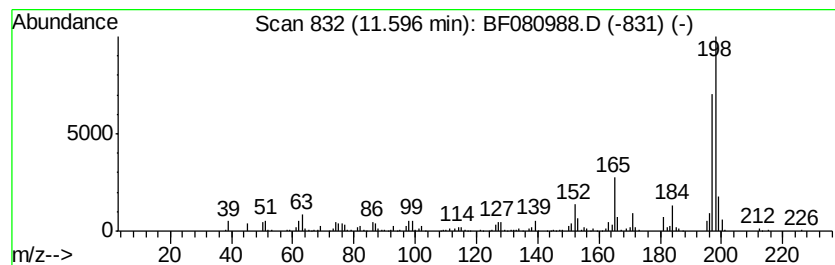
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.60	44.11 ng	549310	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Thioxanthene	198	C13H10S	000261-31-4	64
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
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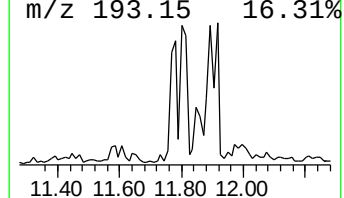
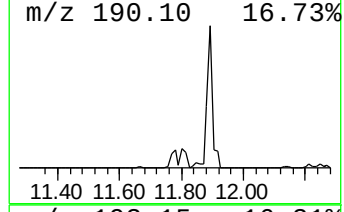
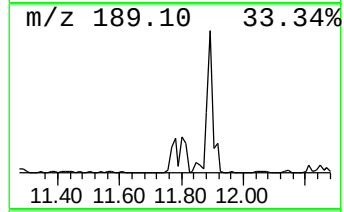
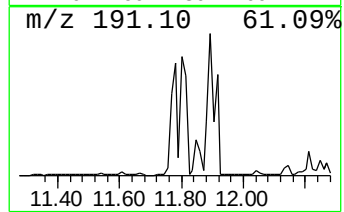
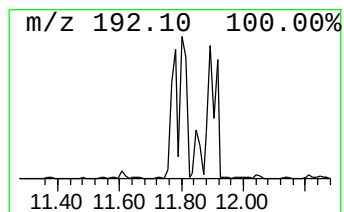
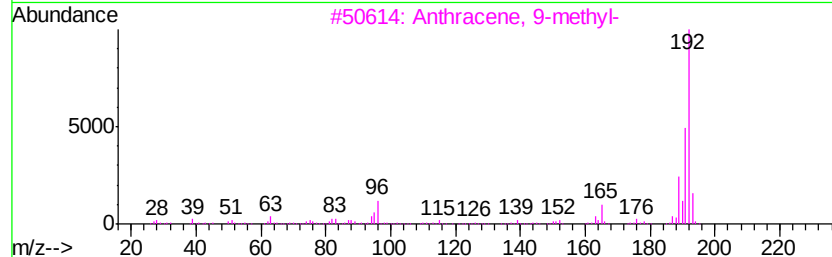
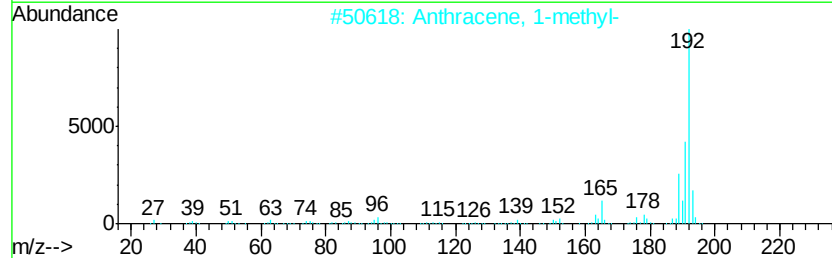
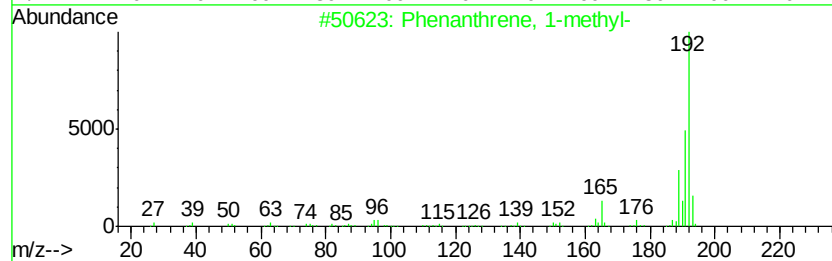
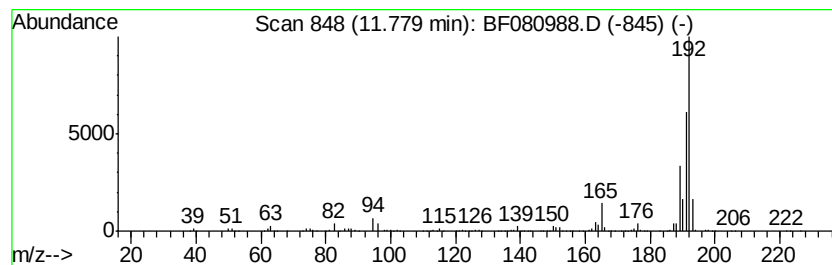
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	113.73 ng	1416340	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
STOCKPILE8-12-15REUSE

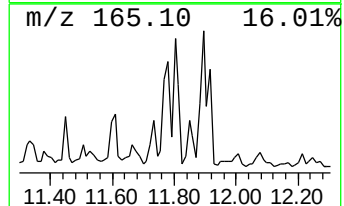
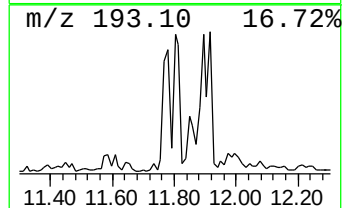
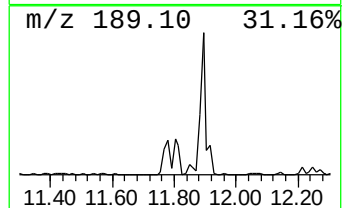
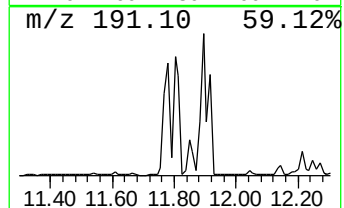
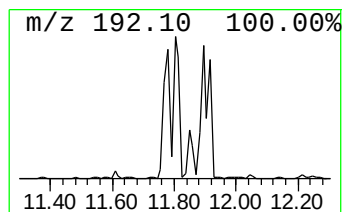
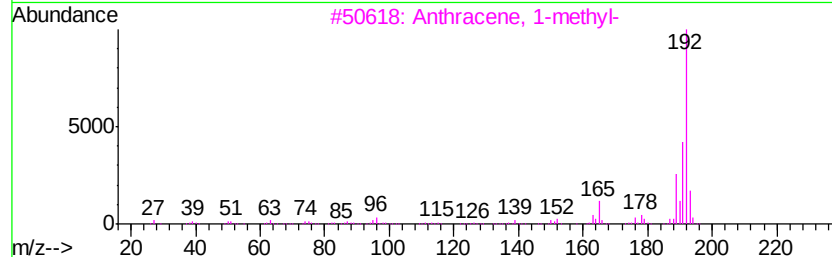
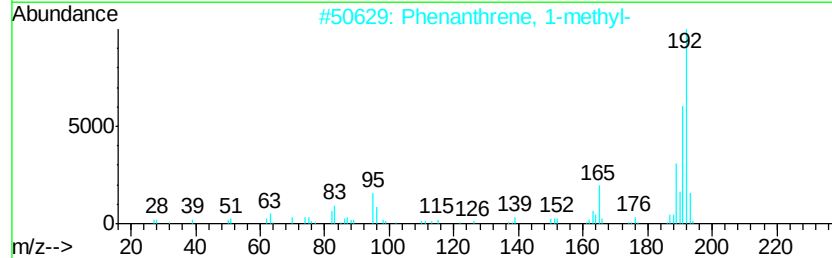
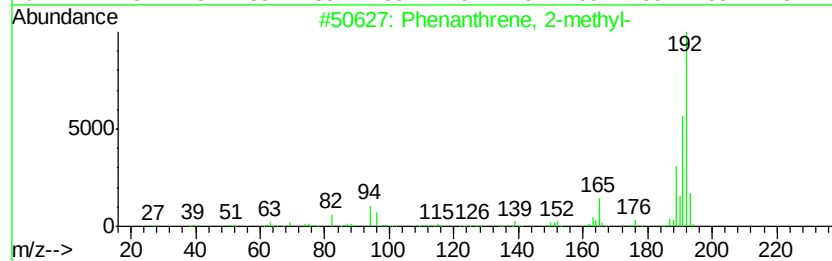
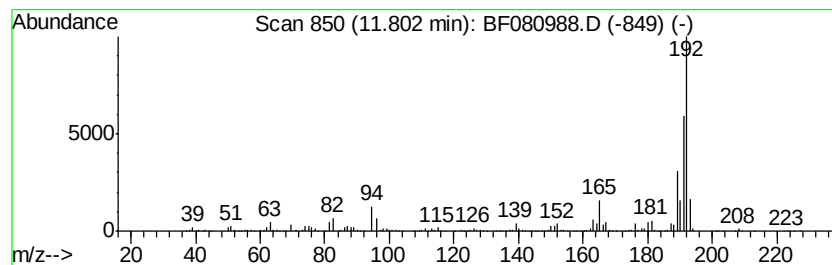
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	112.46 ng	1400580	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
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Instrument :
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ClientSampleId :
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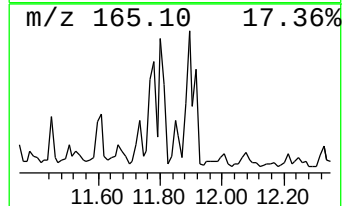
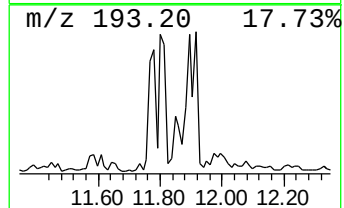
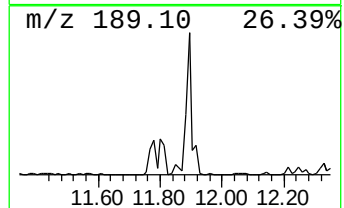
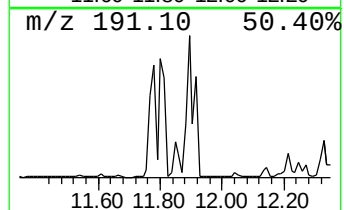
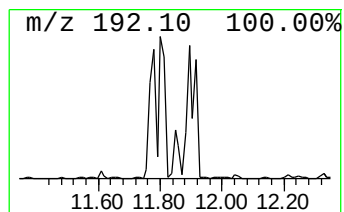
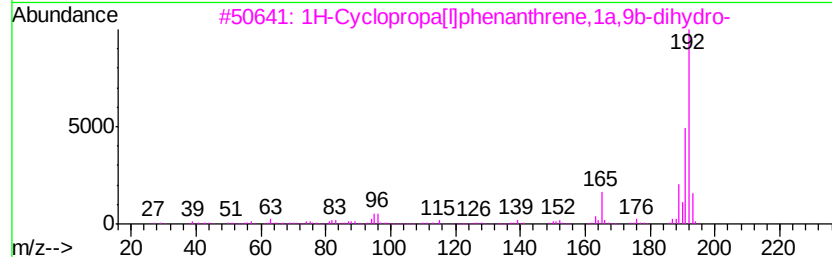
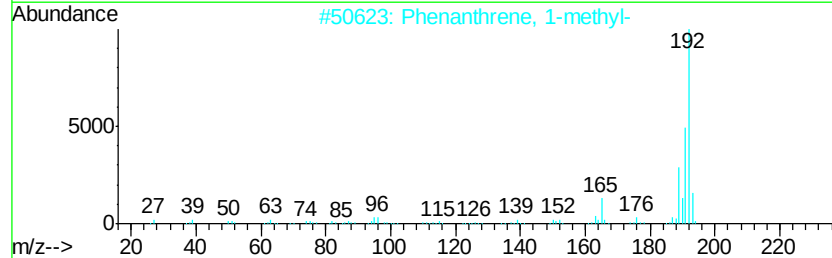
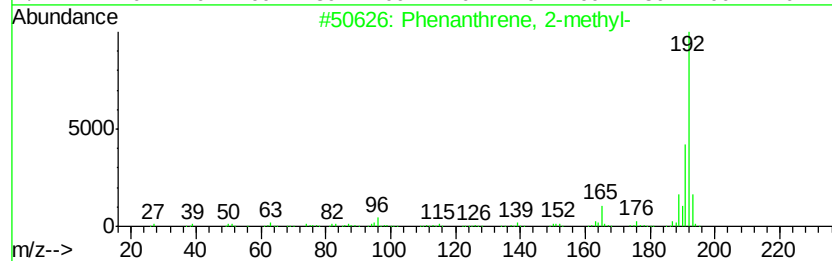
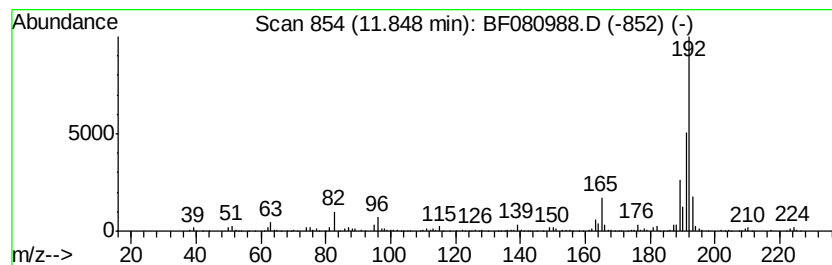
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	56.05 ng	697971	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

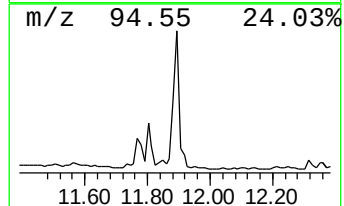
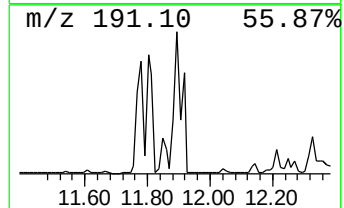
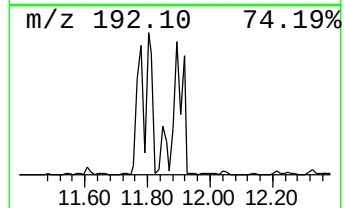
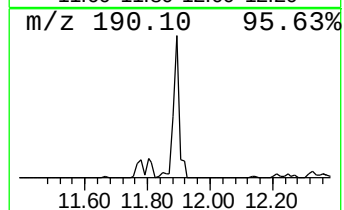
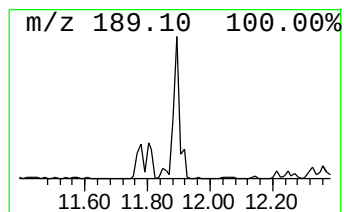
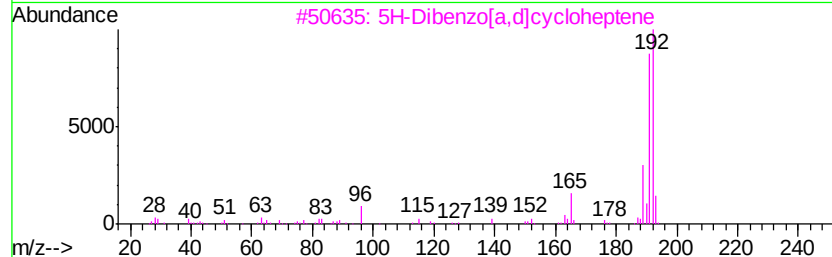
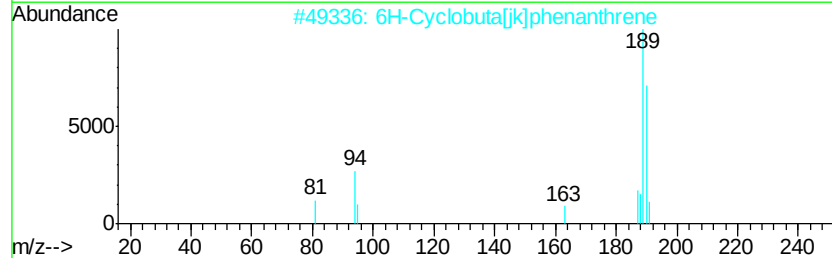
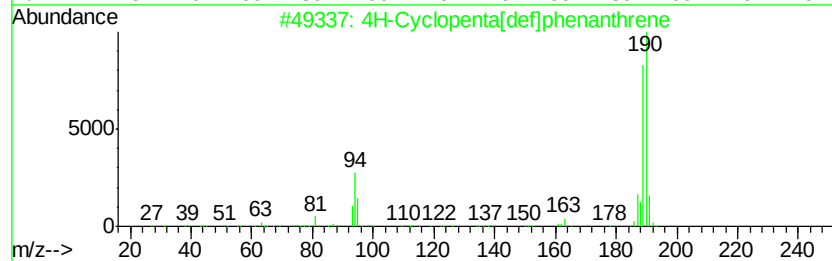
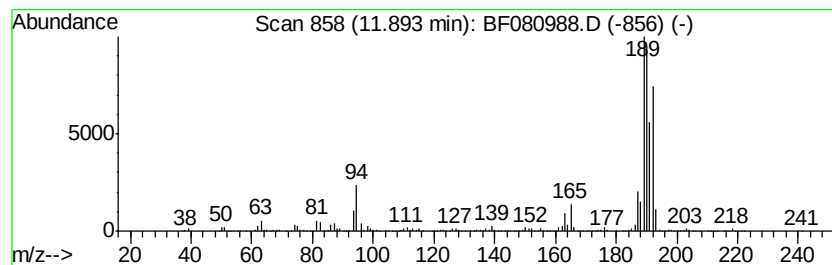
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	232.37 ng	2893860	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
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Acq On : 13 Aug 2015 19:06
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Sample : G3292-01
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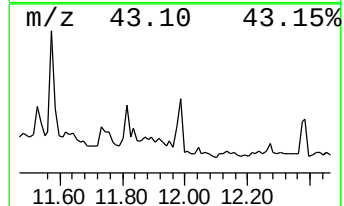
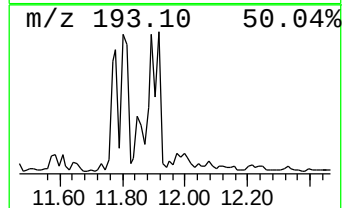
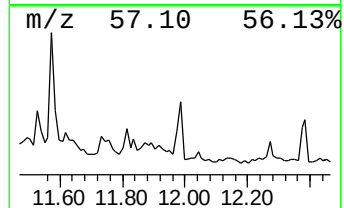
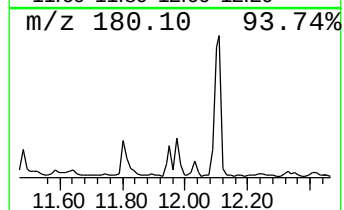
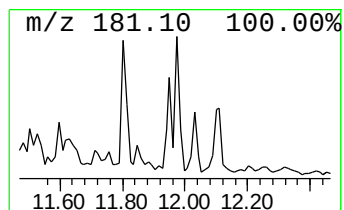
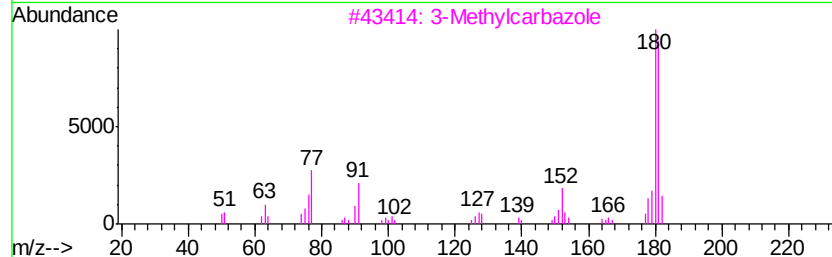
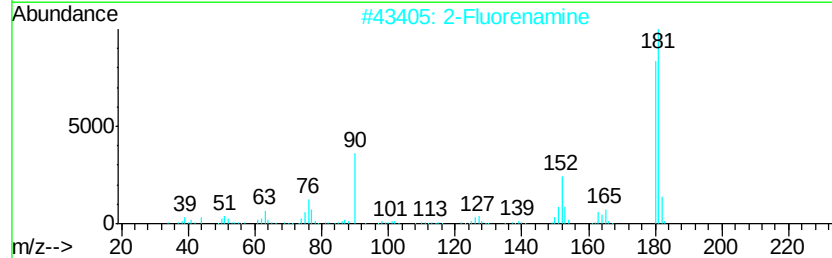
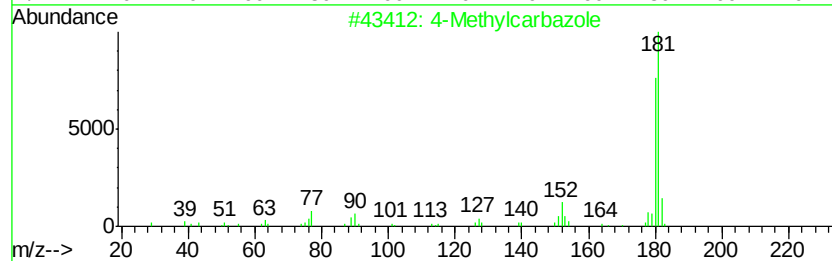
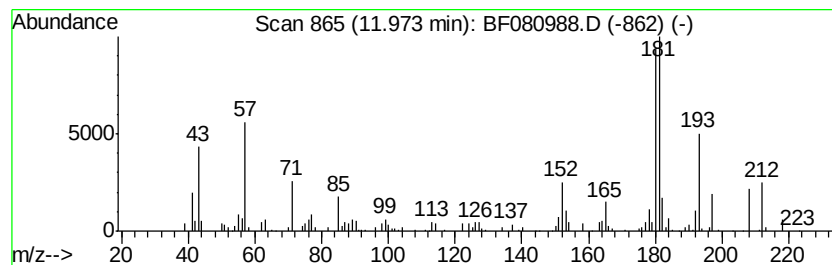
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4-Methylcarbazole Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.97	41.66 ng	518871	Phenanthrene-d10		11.28
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	78
2	2-Fluorenamine	181	C13H11N	000153-78-6	64
3	3-Methylcarbazole	181	C13H11N	004630-20-0	60
4	1-Methylcarbazole	181	C13H11N	006510-65-2	60
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
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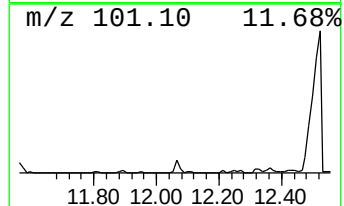
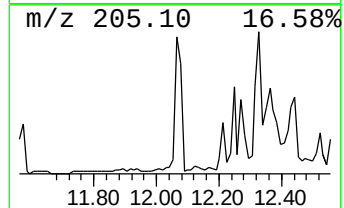
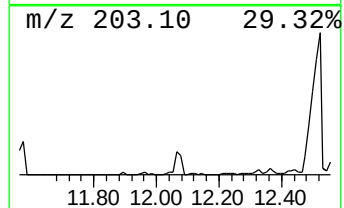
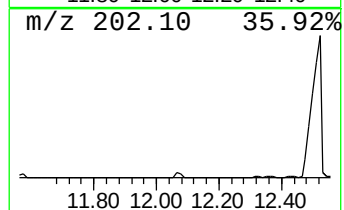
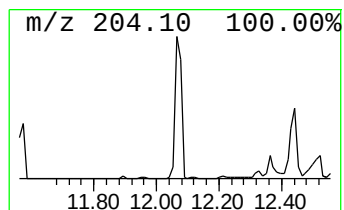
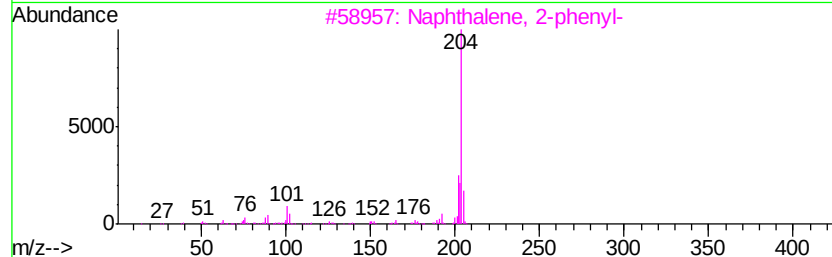
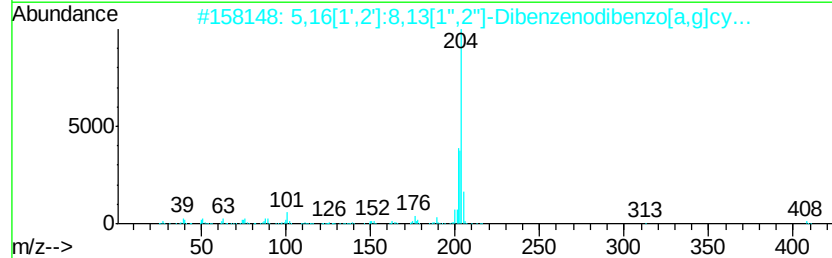
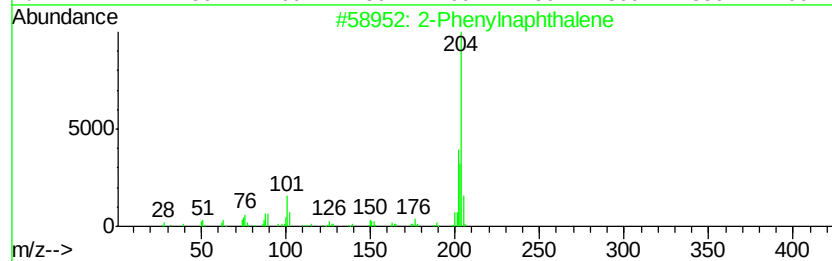
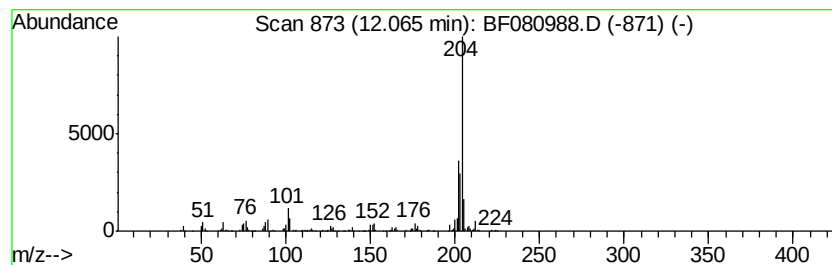
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	57.43 ng	715182	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
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Acq On : 13 Aug 2015 19:06
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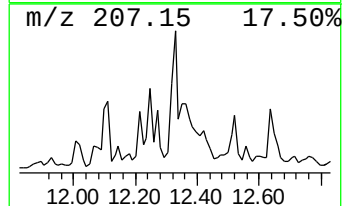
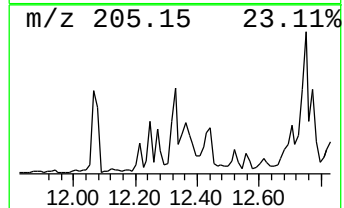
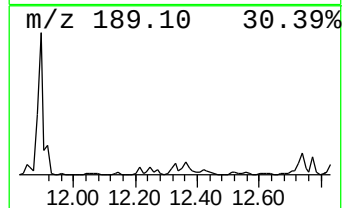
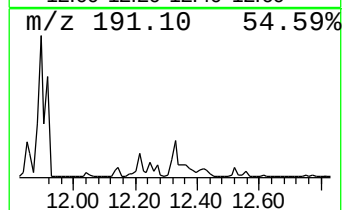
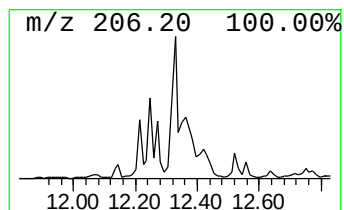
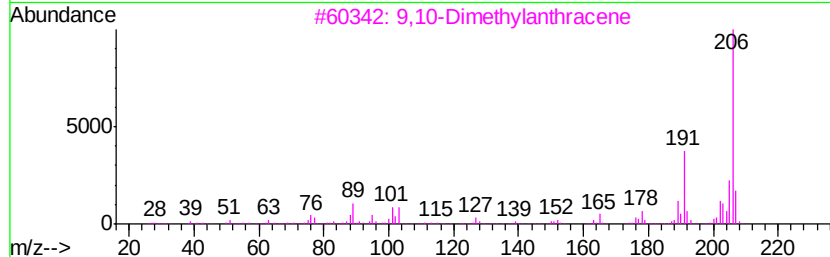
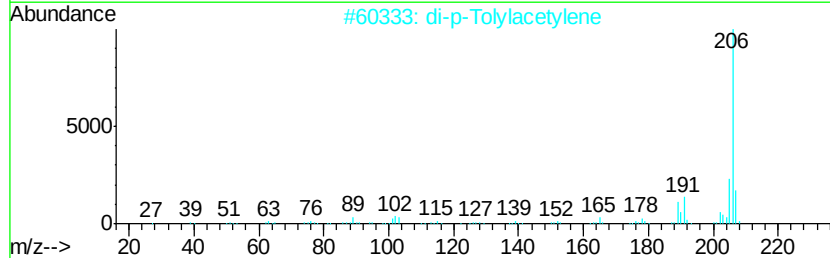
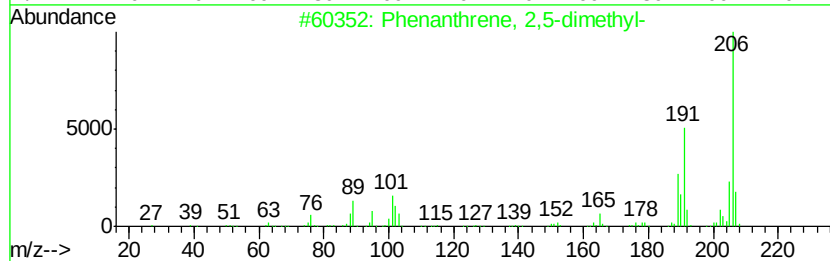
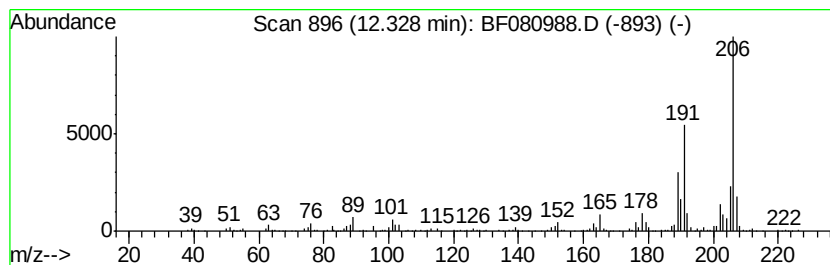
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	45.25 ng	563580	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
Misc :
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Instrument :
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ClientSampleId :
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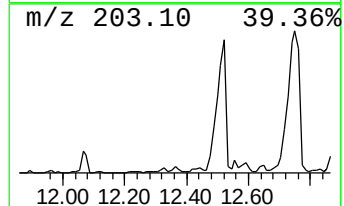
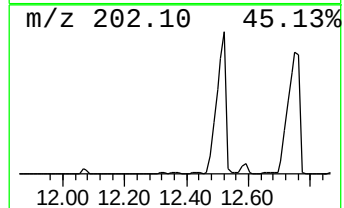
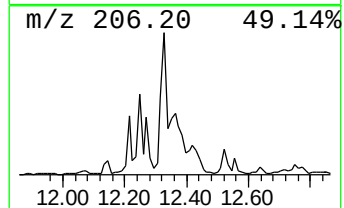
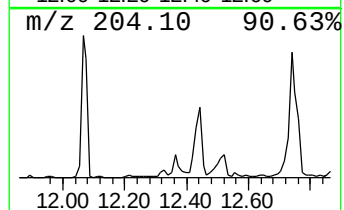
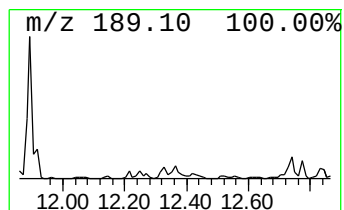
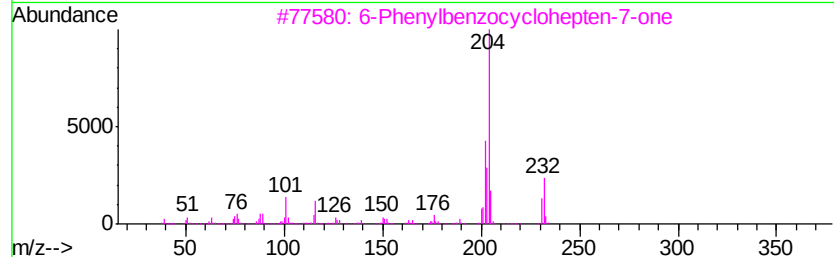
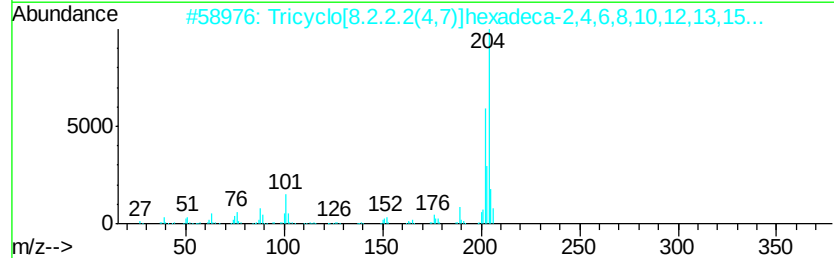
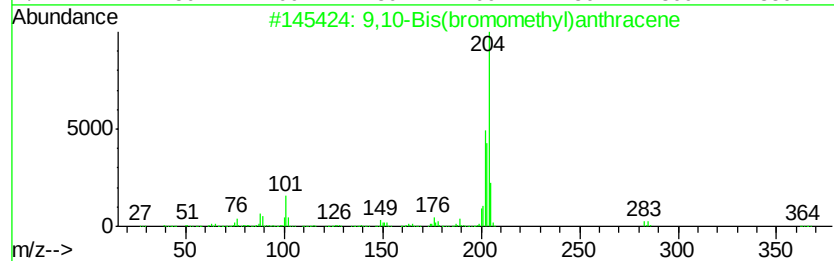
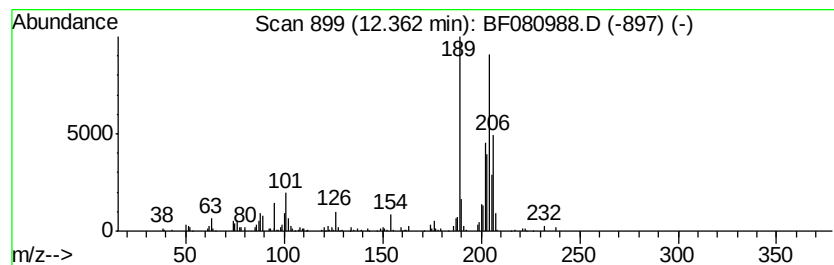
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 9,10-Bis(bromomethyl)anthra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	48.97 ng	609868	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	49
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	46
5		1,3,4-Thiadiazole, 2-isopropyl-5...	204	C11H12N2S	050834-84-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
Data File : BF080988.D
Acq On : 13 Aug 2015 19:06
Operator : UM/IZ
Sample : G3292-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSE

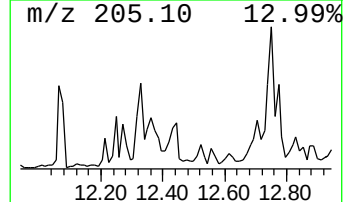
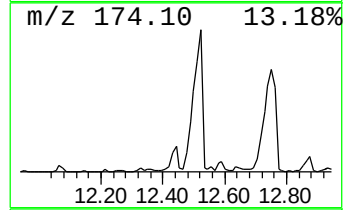
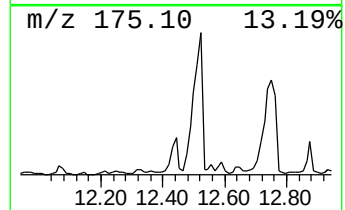
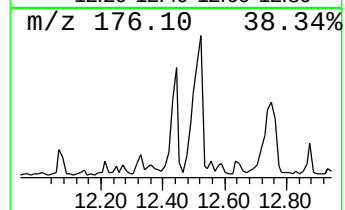
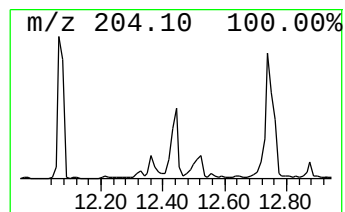
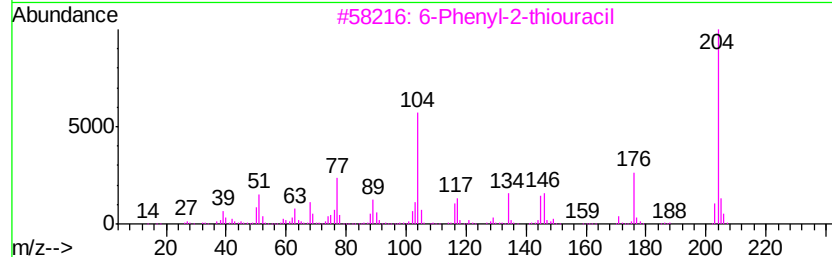
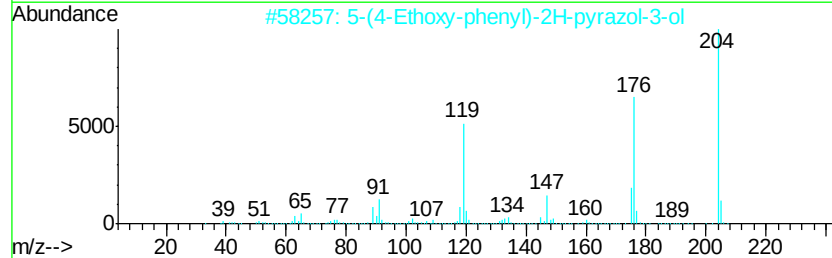
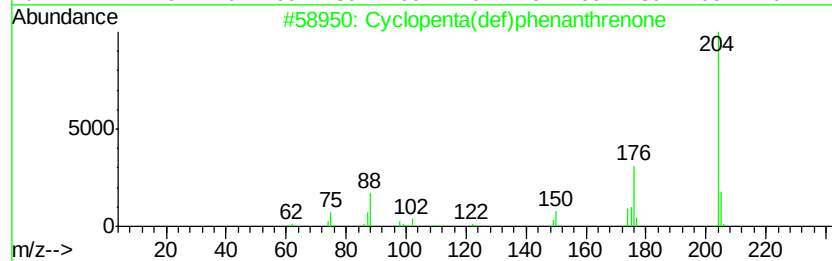
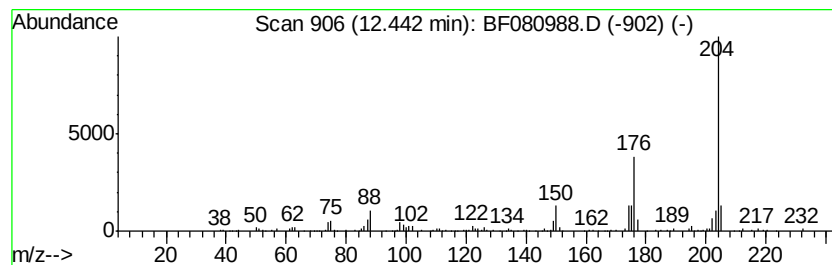
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	43.06 ng	536228	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3		6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081315\
 Data File : BF080988.D
 Acq On : 13 Aug 2015 19:06
 Operator : UM/IZ
 Sample : G3292-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080715.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...	4.92	80.9	ng	1319740	1	6.75	326181	20.0
1(2H)-Acenaphthyl...	10.69	59.1	ng	736232	4	11.28	249074	20.0
9H-Fluorene, 1-me...	10.88	63.3	ng	788372	4	11.28	249074	20.0
Naphtho[2,1-b]fur...	11.02	72.3	ng	900077	4	11.28	249074	20.0
9H-Fluoren-9-one	11.08	56.1	ng	699192	4	11.28	249074	20.0
Dibenzothiophene	11.16	107.8	ng	1341900	4	11.28	249074	20.0
Naphtho[2,3-b]thi...	11.42	41.5	ng	516323	4	11.28	249074	20.0
Anthracene, 9-eth...	11.57	56.2	ng	700358	4	11.28	249074	20.0
Dibenzothiophene,...	11.60	44.1	ng	549310	4	11.28	249074	20.0
Phenanthrene, 1-m...	11.78	113.7	ng	1416340	4	11.28	249074	20.0
Phenanthrene, 2-m...	11.80	112.5	ng	1400580	4	11.28	249074	20.0
1H-Cyclopropa[l]p...	11.85	56.0	ng	697971	4	11.28	249074	20.0
4H-Cyclopenta[def...	11.89	232.4	ng	2893860	4	11.28	249074	20.0
4-Methylcarbazole	11.97	41.7	ng	518871	4	11.28	249074	20.0
2-Phenylnaphthalene	12.06	57.4	ng	715182	4	11.28	249074	20.0
Phenanthrene, 2,5...	12.33	45.3	ng	563580	4	11.28	249074	20.0
9,10-Bis(bromomet...	12.36	49.0	ng	609868	4	11.28	249074	20.0
Cyclopenta(def)ph...	12.44	43.1	ng	536228	4	11.28	249074	20.0