

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078524.D
 Acq On : 15 Apr 2015 3:11
 Operator : TP/IZ
 Sample : G1850-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

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-BF040115.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.495	26	27	34	rVV	23758	41457	4.09%	0.469%
2	1.598	34	36	63	rVB	414770	1012744	100.00%	11.461%
3	4.456	284	286	296	rVB	15026	22889	2.26%	0.259%
4	5.050	336	338	347	rVB	147602	219026	21.63%	2.479%
5	6.410	455	457	464	rVB	212659	239694	23.67%	2.713%
6	6.513	464	466	469	rBV	230644	253391	25.02%	2.868%
7	6.799	489	491	494	rBV	95578	111774	11.04%	1.265%
8	6.993	505	508	509	rBV	137121	188070	18.57%	2.128%
9	7.016	509	510	512	rVB	18063	17486	1.73%	0.198%
10	7.507	550	553	555	rBV	157759	146888	14.50%	1.662%
11	8.125	605	607	612	rVB2	7664	12686	1.25%	0.144%
12	8.388	627	630	631	rBV	129559	216485	21.38%	2.450%
13	8.410	631	632	634	rVV	256671	186307	18.40%	2.108%
14	9.268	705	707	709	rBV	86343	74286	7.34%	0.841%
15	9.382	715	717	720	rVB	69509	67069	6.62%	0.759%
16	9.736	745	748	750	rBV	266403	333116	32.89%	3.770%
17	9.965	764	768	771	rBV	6228	11017	1.09%	0.125%
18	10.136	781	783	784	rBV	10631	12220	1.21%	0.138%
19	10.251	791	793	794	rBV	14505	20281	2.00%	0.230%
20	10.365	801	803	806	rVB	21846	26132	2.58%	0.296%
21	10.536	816	818	820	rBV	183753	210472	20.78%	2.382%
22	10.582	820	822	824	rVB	202794	198049	19.56%	2.241%
23	10.696	828	832	834	rVB	5312	10478	1.03%	0.119%
24	10.799	839	841	844	rBV	36185	42233	4.17%	0.478%
25	10.948	850	854	856	rBV3	5831	12950	1.28%	0.147%
26	11.176	869	874	875	rBV3	7665	16512	1.63%	0.187%
27	11.211	875	877	880	rVB	48582	61428	6.07%	0.695%
28	11.279	881	883	886	rBV	13650	26412	2.61%	0.299%
29	11.348	888	889	891	rVV2	9620	13789	1.36%	0.156%
30	11.439	894	897	899	rVB	8828	16229	1.60%	0.184%
31	11.485	899	901	902	rBV	10019	11054	1.09%	0.125%
32	11.519	902	904	906	rVB	184007	225647	22.28%	2.554%
33	11.896	934	937	938	rVV	17443	23746	2.34%	0.269%
34	11.931	938	940	942	rVV	10146	11618	1.15%	0.131%

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35	11.999	942	946	948	rVB2	9809	18869	1.86%	0.214%
36	12.079	950	953	955	rVV2	6336	11820	1.17%	0.134%
37	12.239	965	967	970	rVB	13767	18606	1.84%	0.211%
38	12.365	976	978	979	rBV	241121	250845	24.77%	2.839%
39	12.388	979	980	983	rVV	222215	217798	21.51%	2.465%
40	12.457	983	986	989	rVB	111842	112739	11.13%	1.276%
41	12.525	989	992	993	rBV3	10291	19016	1.88%	0.215%
42	12.674	1002	1005	1007	rBV	31803	37268	3.68%	0.422%
43	12.754	1009	1012	1015	rBV	15641	28182	2.78%	0.319%
44	12.822	1015	1018	1021	rBV2	8241	14349	1.42%	0.162%
45	12.994	1031	1033	1034	rBV	65532	69382	6.85%	0.785%
46	13.028	1034	1036	1038	rVB	41423	55469	5.48%	0.628%
47	13.085	1038	1041	1042	rBV	24472	32966	3.26%	0.373%
48	13.119	1042	1044	1046	rBV	102331	131024	12.94%	1.483%
49	13.154	1046	1047	1049	rVB	31201	23224	2.29%	0.263%
50	13.234	1052	1054	1057	rBV4	6796	12604	1.24%	0.143%
51	13.371	1063	1066	1067	rBV	43034	49956	4.93%	0.565%
52	13.554	1080	1082	1084	rBV3	13007	22757	2.25%	0.258%
53	13.668	1090	1092	1094	rVV	32038	49004	4.84%	0.555%
54	13.714	1094	1096	1097	rVV	25198	34335	3.39%	0.389%
55	13.737	1097	1098	1100	rVV	13356	18510	1.83%	0.209%
56	13.782	1100	1102	1103	rVV	14600	21463	2.12%	0.243%
57	13.851	1106	1108	1111	rVV	238900	297591	29.38%	3.368%
58	13.897	1111	1112	1114	rVV2	13286	17810	1.76%	0.202%
59	13.942	1114	1116	1117	rVB	19337	16418	1.62%	0.186%
60	13.977	1117	1119	1122	rVB	49713	68607	6.77%	0.776%
61	14.034	1122	1124	1125	rBV	14419	17183	1.70%	0.194%
62	14.068	1125	1127	1130	rVV2	7015	13329	1.32%	0.151%
63	14.125	1130	1132	1135	rVV	351862	428478	42.31%	4.849%
64	14.194	1135	1138	1140	rVB4	15220	31383	3.10%	0.355%
65	14.240	1140	1142	1144	rBV2	17956	21876	2.16%	0.248%
66	14.354	1149	1152	1154	rBV	440077	446536	44.09%	5.053%
67	14.422	1156	1158	1160	rBV	20375	29625	2.93%	0.335%
68	14.548	1167	1169	1172	rVB	54049	67711	6.69%	0.766%
69	14.628	1174	1176	1178	rVV	35194	50089	4.95%	0.567%
70	14.674	1178	1180	1182	rVV	35858	41375	4.09%	0.468%
71	14.777	1185	1189	1191	rVV	30543	66847	6.60%	0.756%

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72	14.822	1191	1193	1196	rVV	29513	46997	4.64%	0.532%
73	14.880	1196	1198	1201	rVV3	12771	22271	2.20%	0.252%
74	15.154	1220	1222	1226	rBV5	13578	32960	3.25%	0.373%
75	15.303	1232	1235	1237	rBV2	16007	40108	3.96%	0.454%
76	15.348	1237	1239	1242	rVB2	25471	51672	5.10%	0.585%
77	15.543	1254	1256	1259	rBV2	31497	63274	6.25%	0.716%
78	15.623	1259	1263	1264	rVV2	314825	530058	52.34%	5.998%
79	15.645	1264	1265	1268	rVV	86507	119535	11.80%	1.353%
80	15.737	1271	1273	1275	rVV2	23022	37201	3.67%	0.421%
81	15.794	1276	1278	1282	rVB4	24677	40079	3.96%	0.454%
82	16.857	1368	1371	1376	rBV	85598	198015	19.55%	2.241%
83	17.143	1394	1396	1399	rBV	62232	82286	8.13%	0.931%
84	17.200	1399	1401	1405	rBV	110088	193067	19.06%	2.185%
85	17.268	1405	1407	1409	rVV	209539	259835	25.66%	2.940%
86	18.457	1509	1511	1515	rVB2	41528	73066	7.21%	0.827%
87	18.800	1539	1541	1546	rVB	49512	87511	8.64%	0.990%

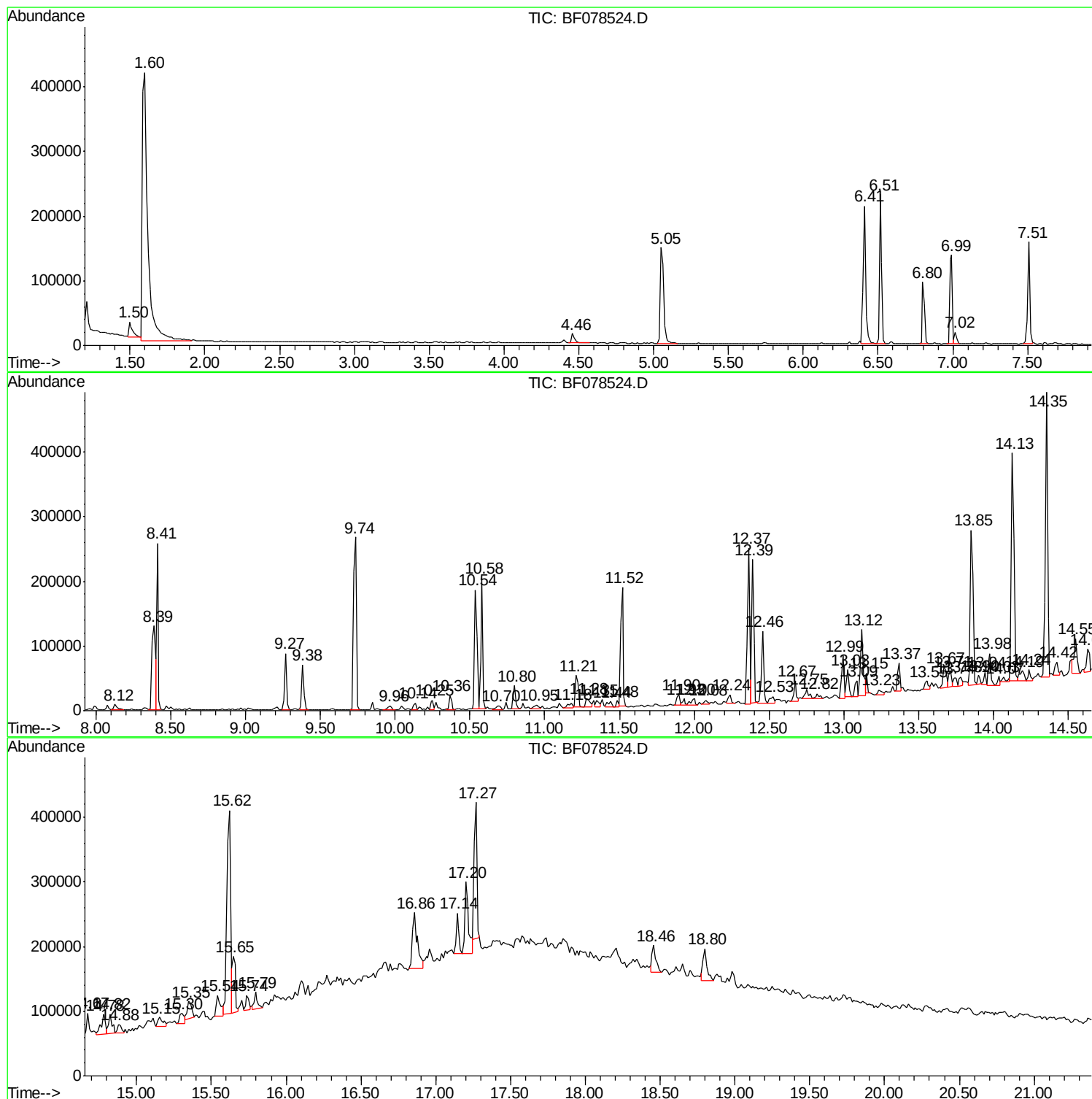
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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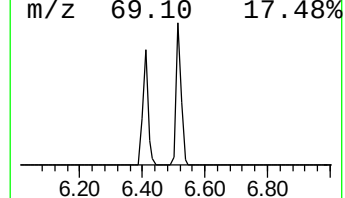
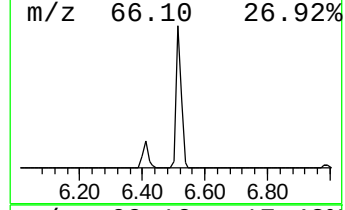
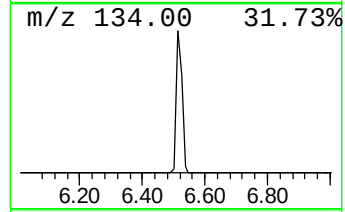
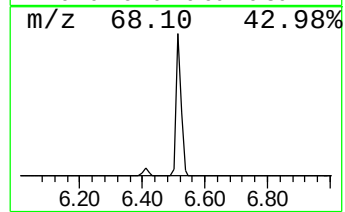
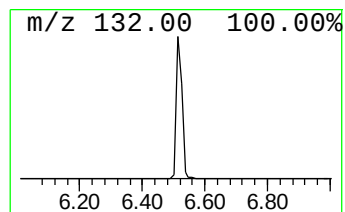
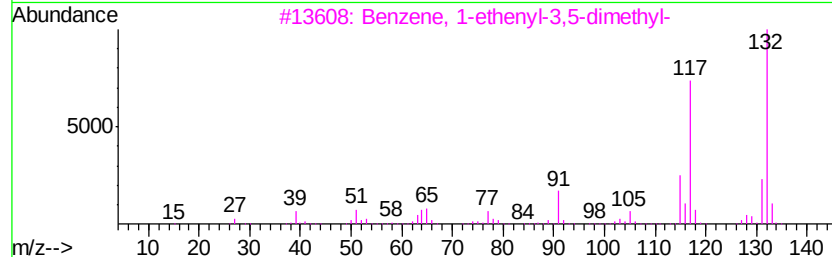
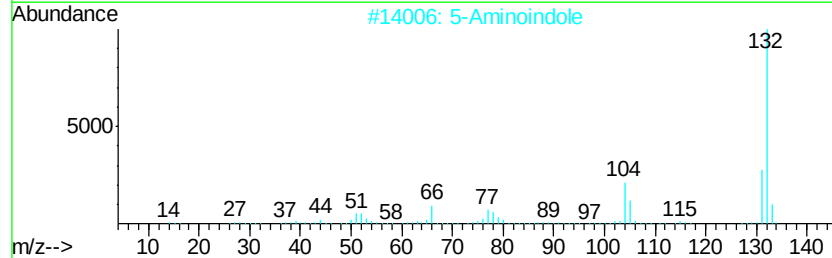
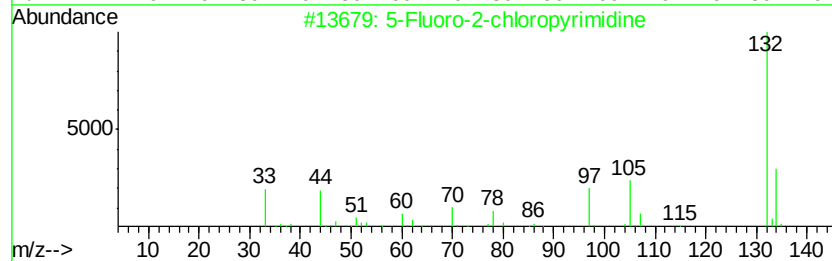
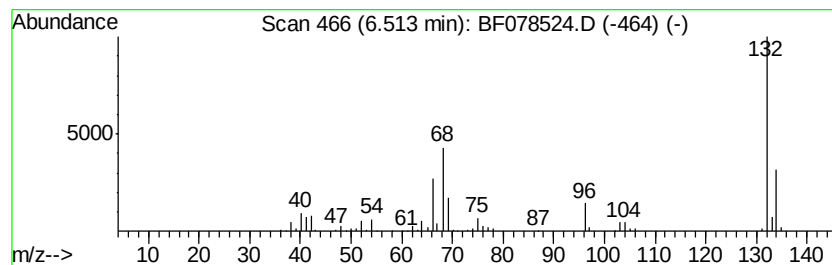
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.51 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	45.34 ng	253391	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2		5-Aminoindole	132	C8H8N2	005192-03-0	10
3		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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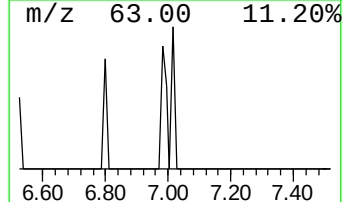
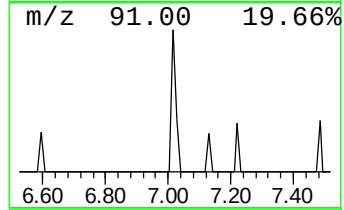
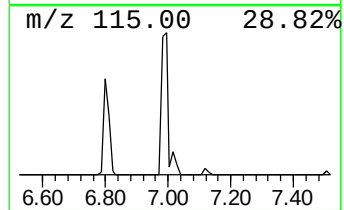
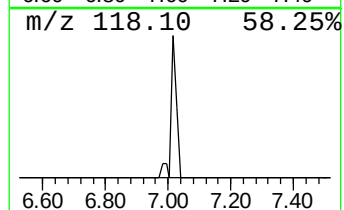
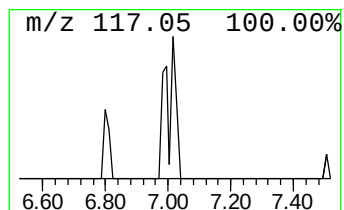
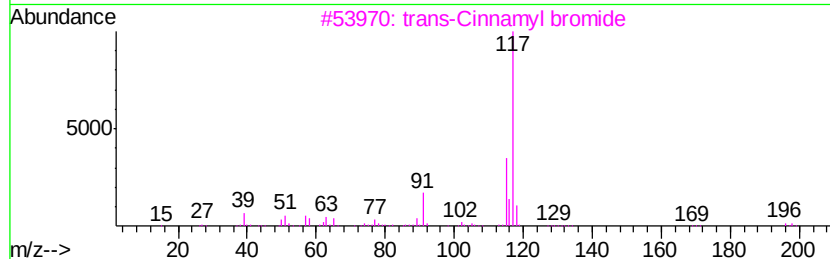
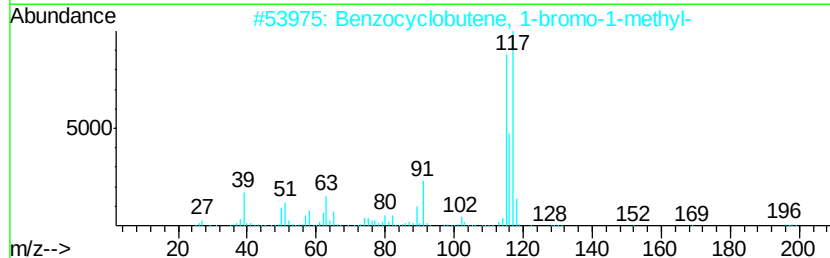
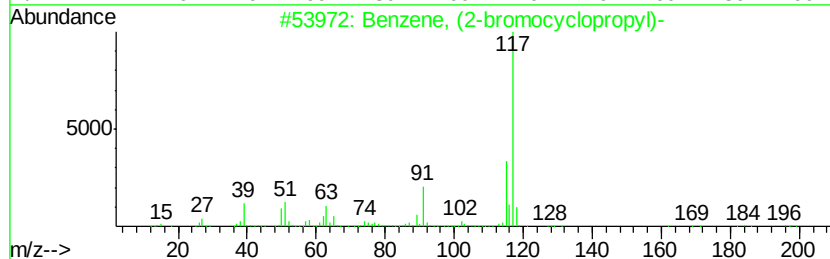
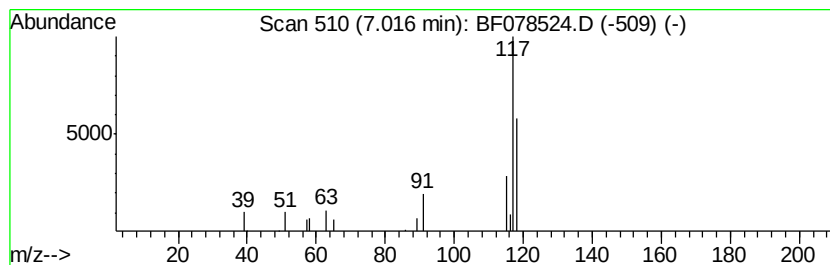
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	3.13 ng	17486	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
2		Benzocyclobutene, 1-bromo-1-methyl-	196	C9H9Br	1000161-76-4	33
3		trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	33
4		5H-1-Pyridine	117	C8H7N	000270-91-7	33
5		Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-43-1	25



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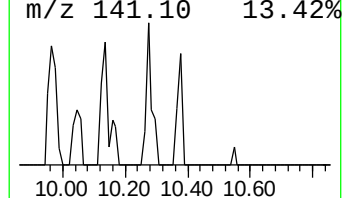
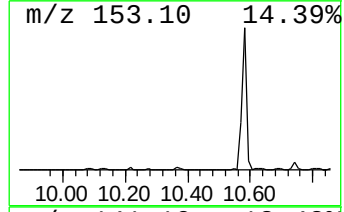
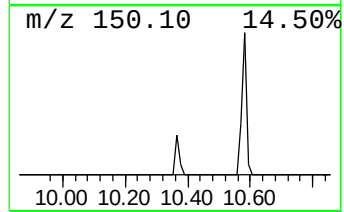
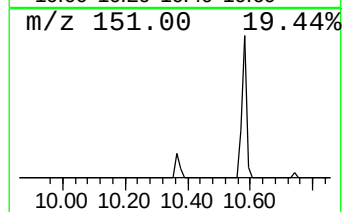
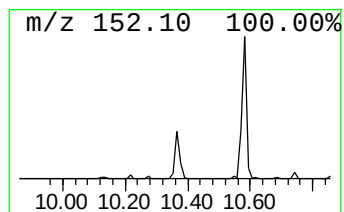
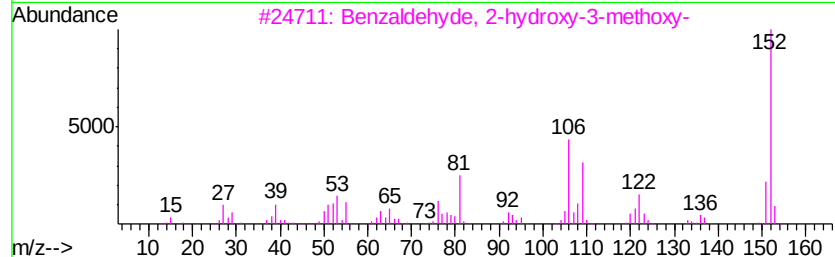
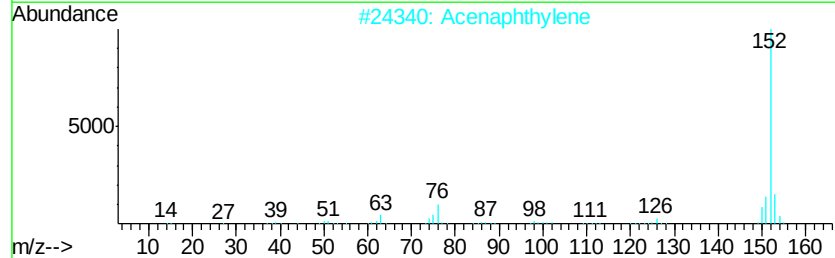
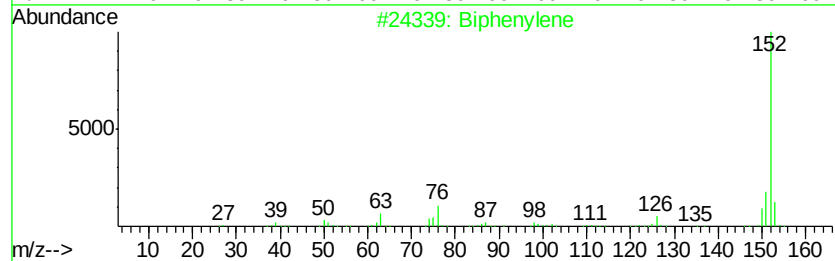
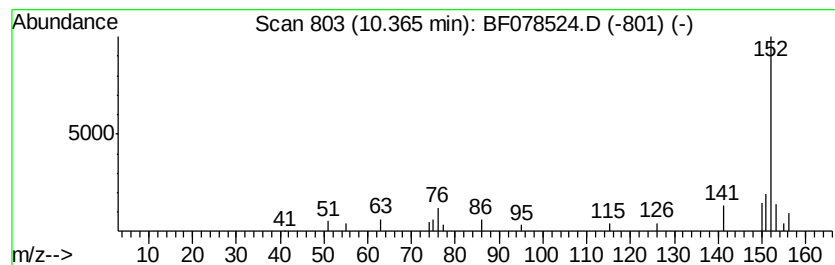
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Biphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.36	2.48 ng	26132	Acenaphthene-d10		10.54
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	74
2	Acenaphthylene	152	C12H8	000208-96-8	72
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	42
4	Benzaldehyde, 2-hydroxy-5-methoxy-	152	C8H8O3	000672-13-9	42
5	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	40



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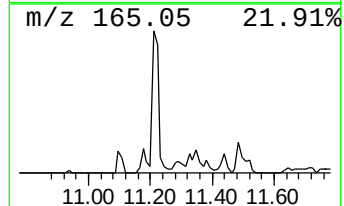
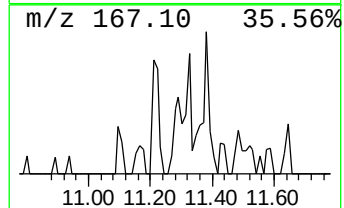
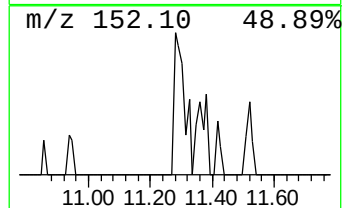
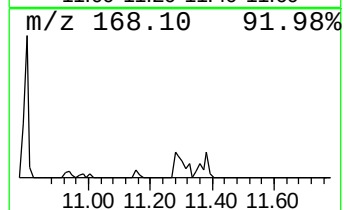
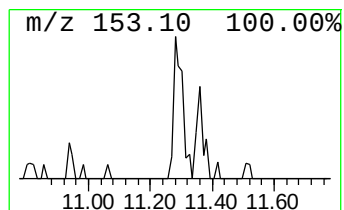
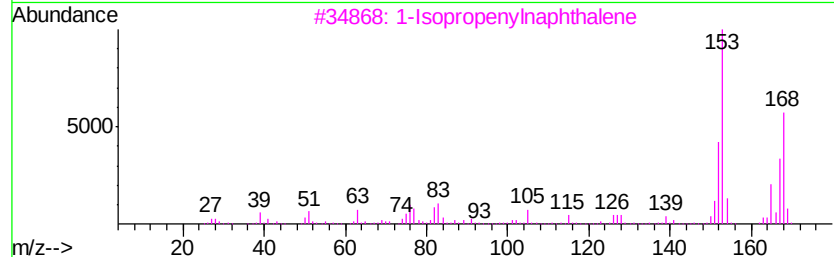
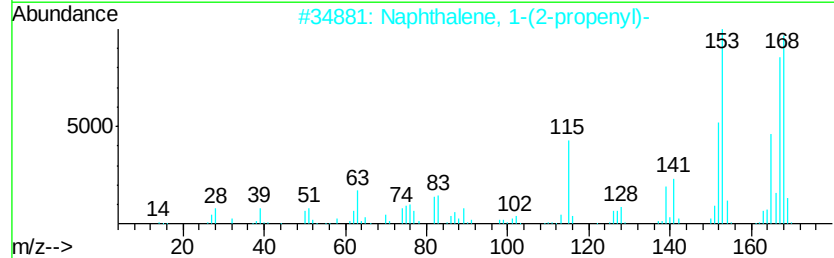
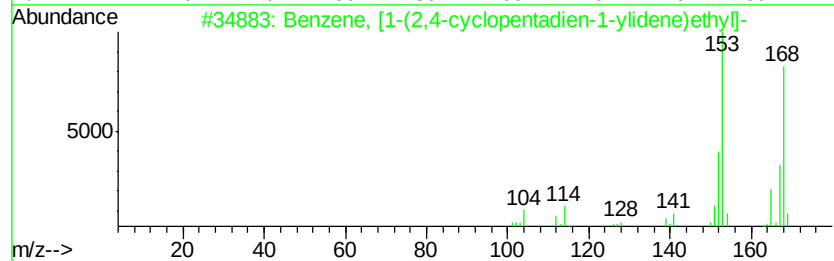
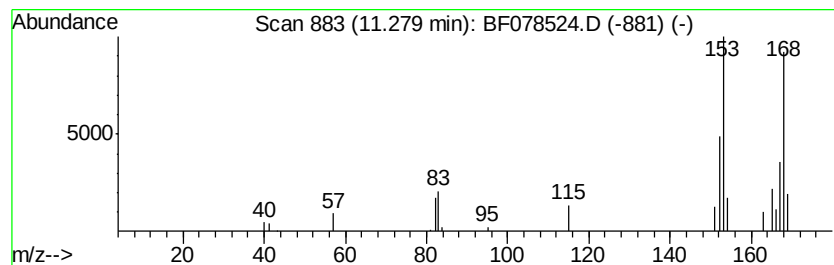
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, [1-(2,4-cyclopenta... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.51 ng	26412	Acenaphthene-d10	10.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
2		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
3		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	59
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52
5		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

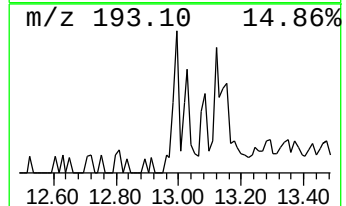
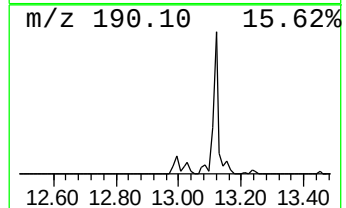
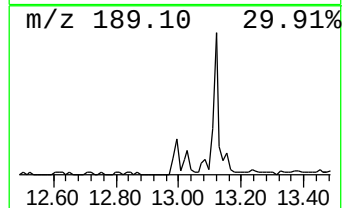
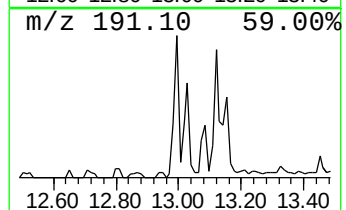
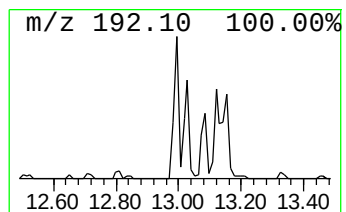
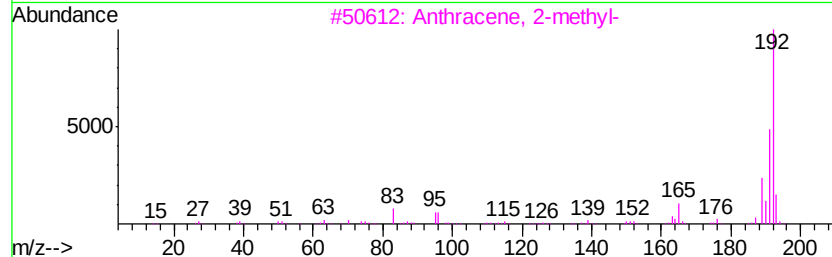
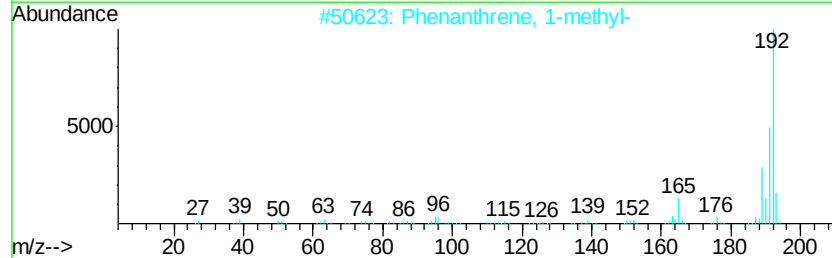
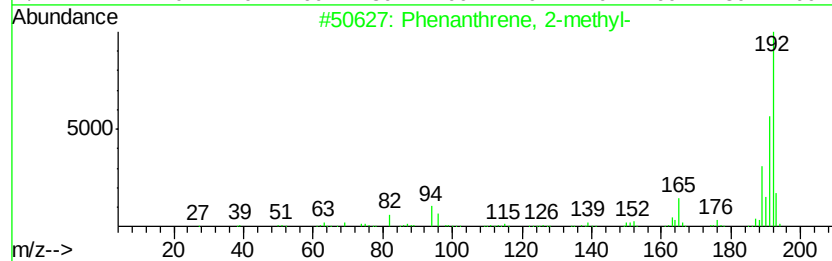
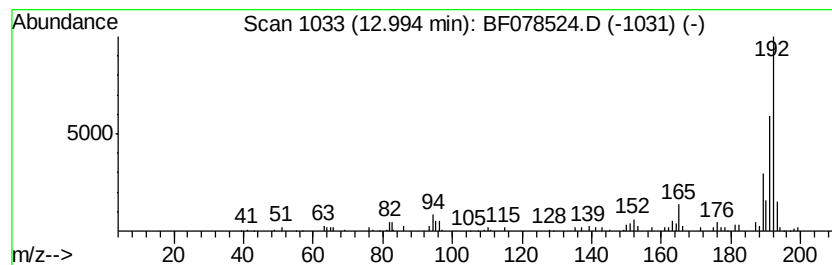
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.99	5.53 ng	69382	Phenanthrene-d10		12.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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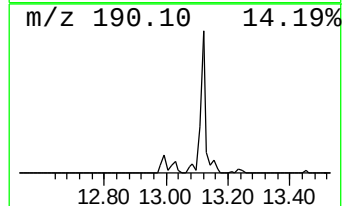
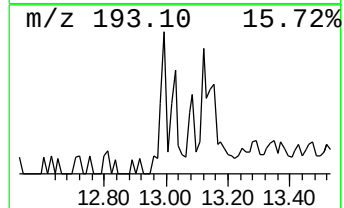
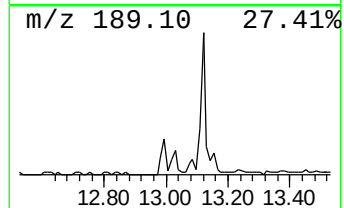
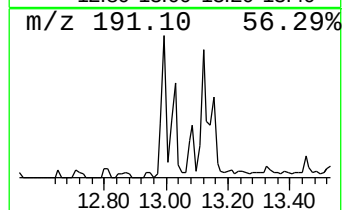
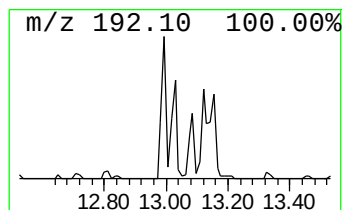
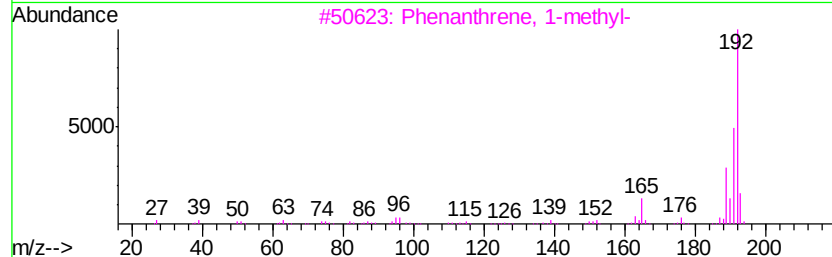
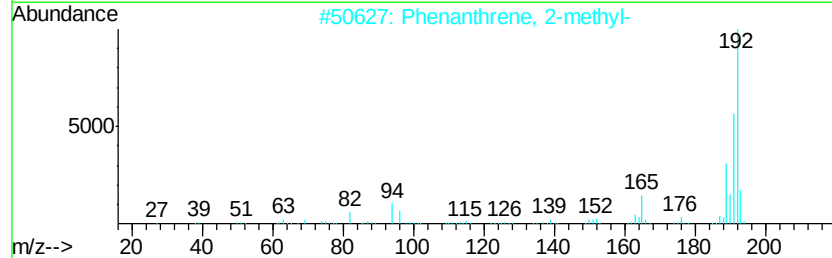
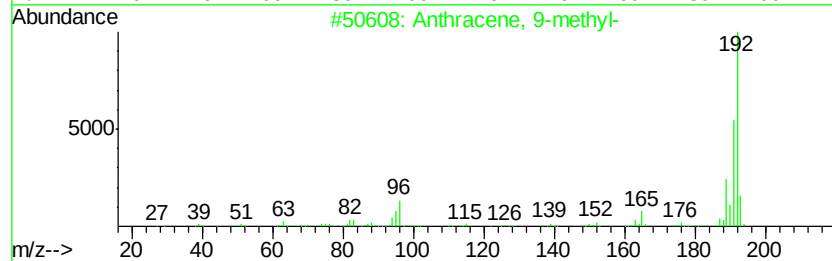
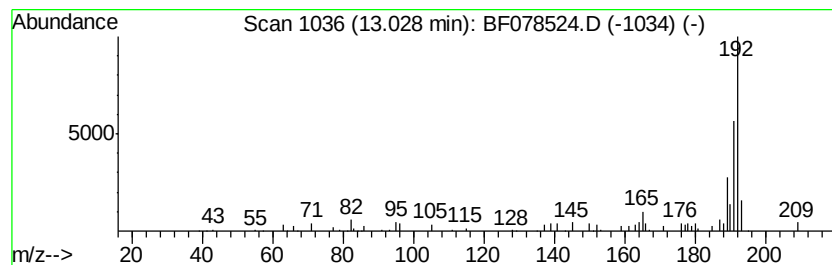
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.42 ng	55469	Phenanthrene-d10	12.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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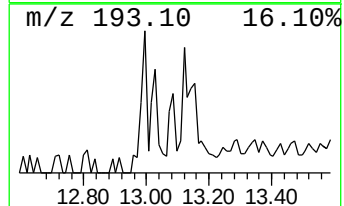
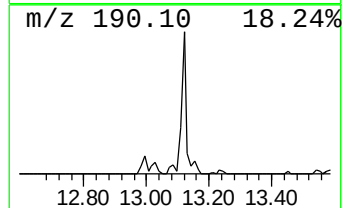
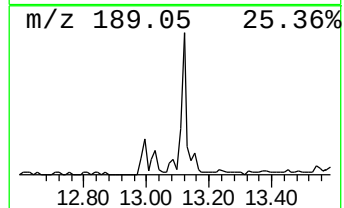
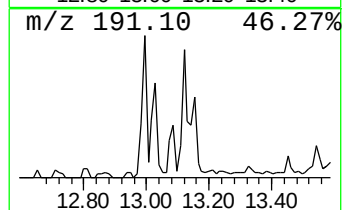
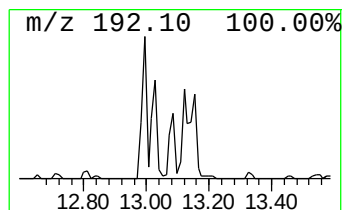
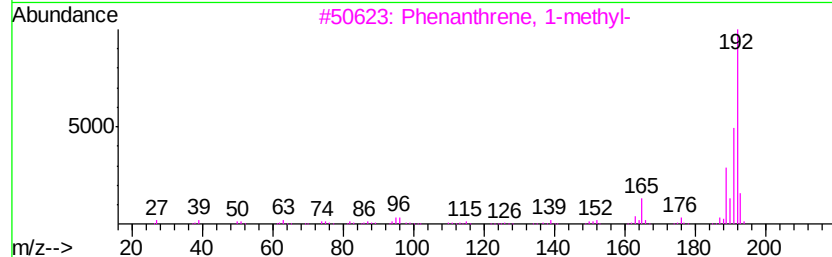
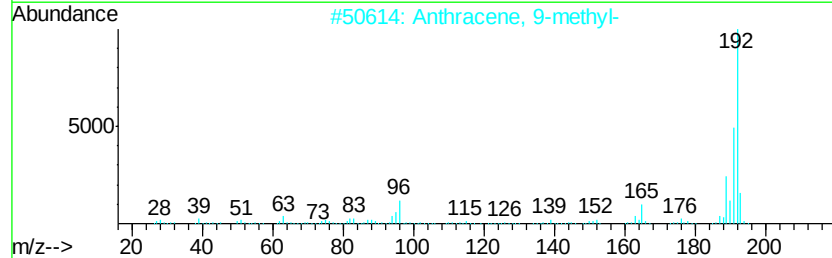
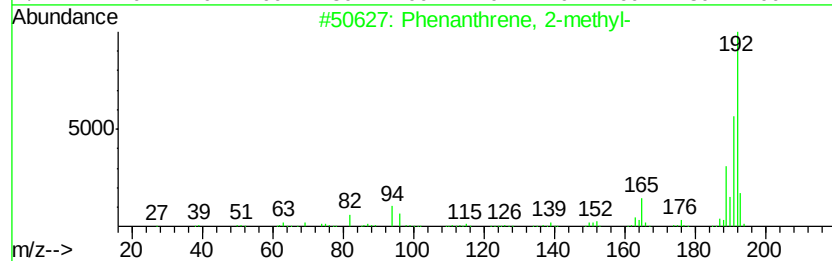
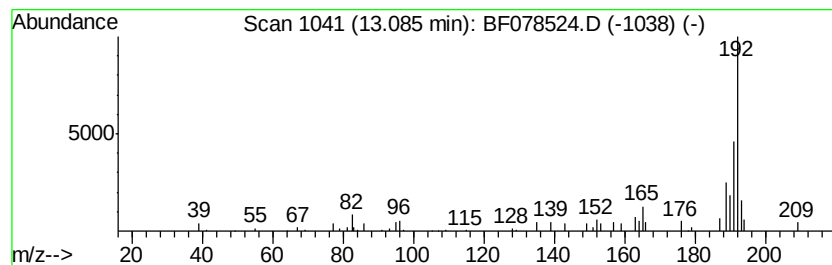
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.63 ng	32966	Phenanthrene-d10	12.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
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Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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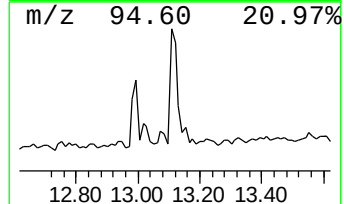
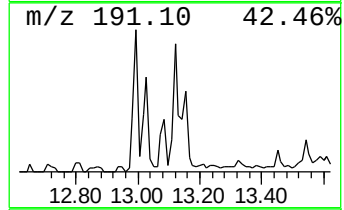
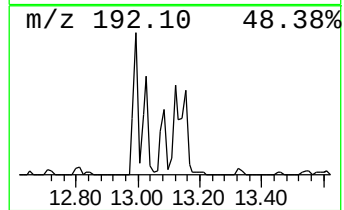
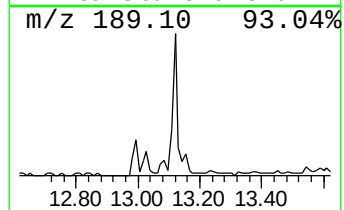
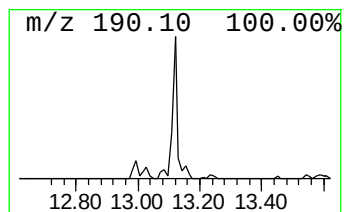
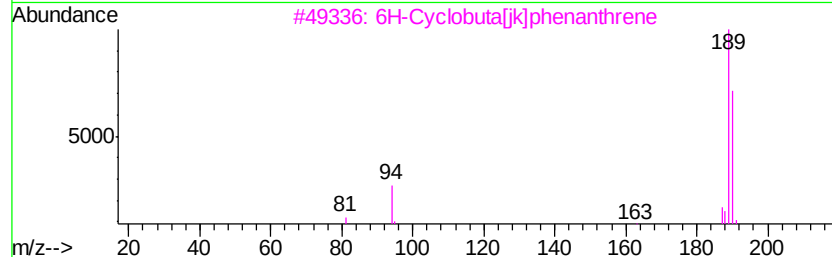
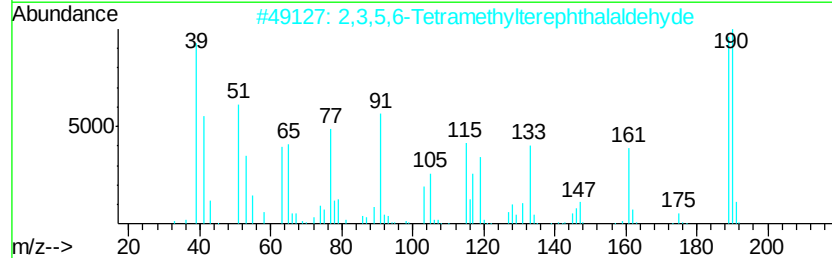
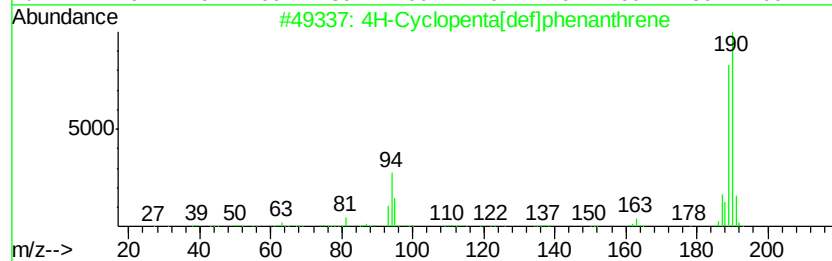
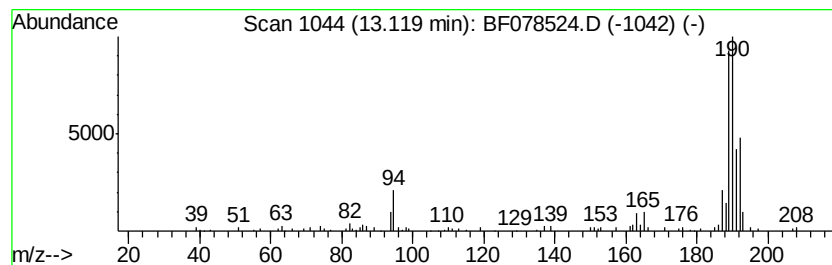
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	10.45 ng	131024	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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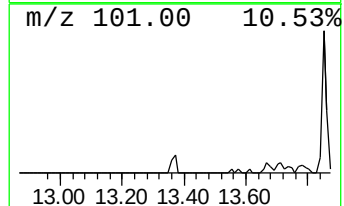
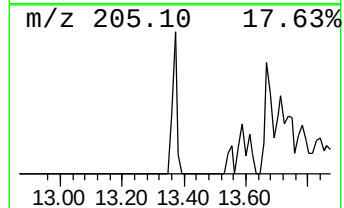
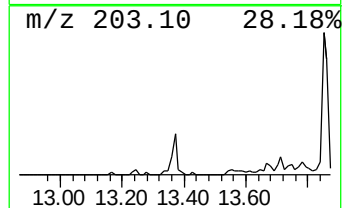
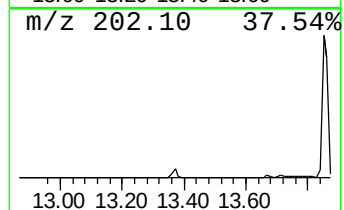
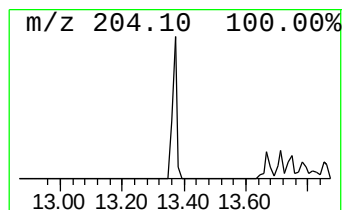
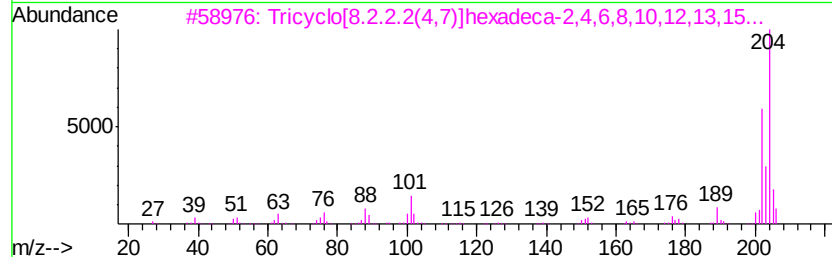
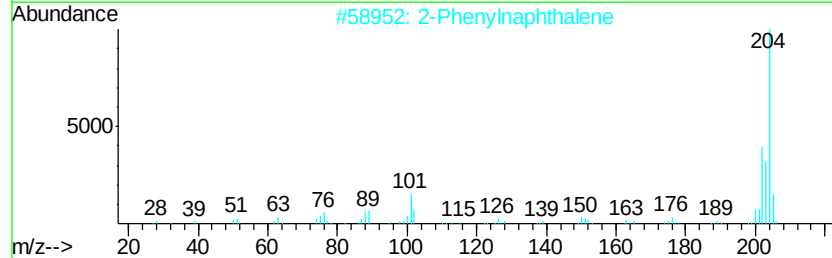
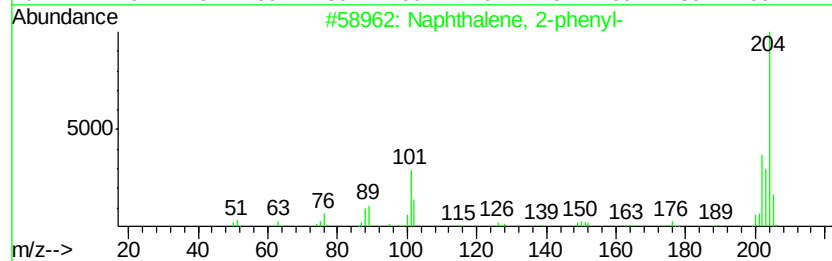
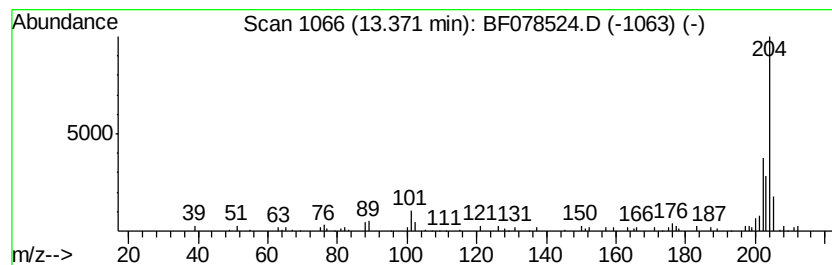
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	3.98 ng	49956	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	81
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	014769-73-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
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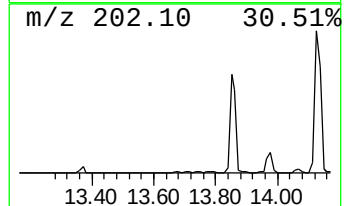
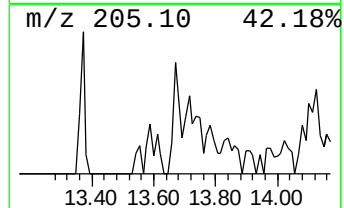
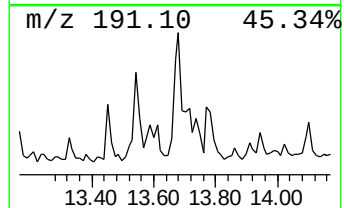
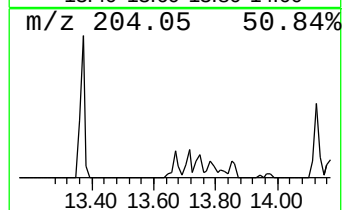
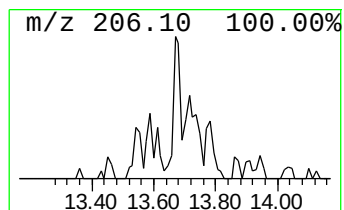
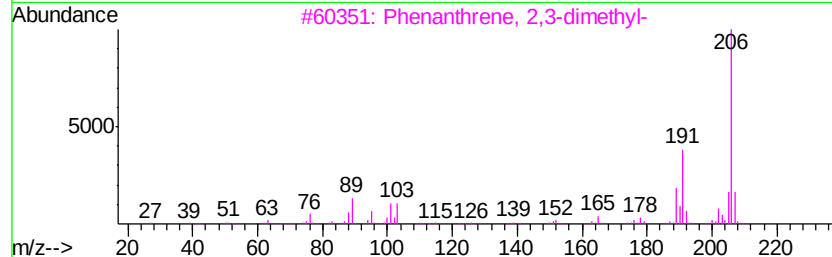
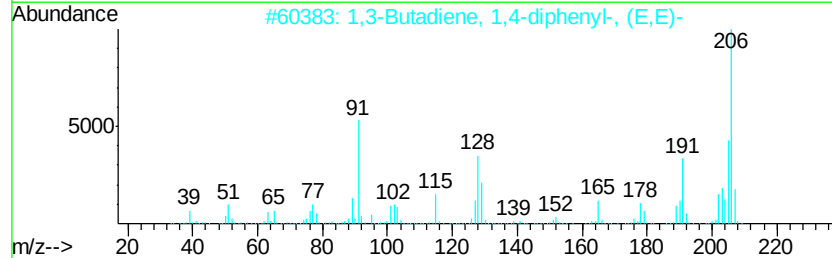
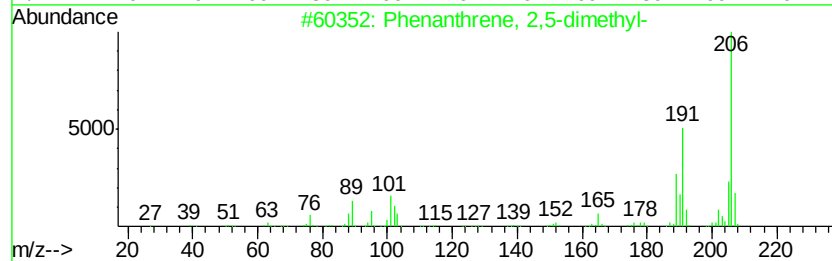
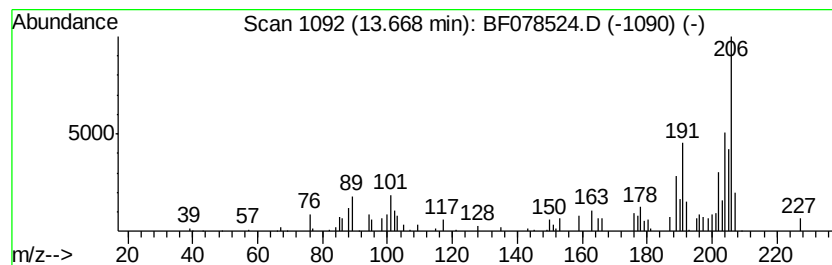
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.67	3.91 ng	49004	Phenanthrene-d10	12.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	70
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	64
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

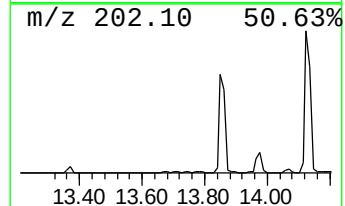
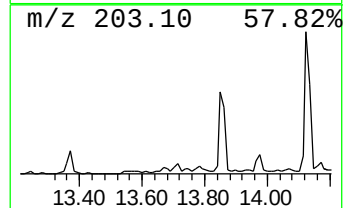
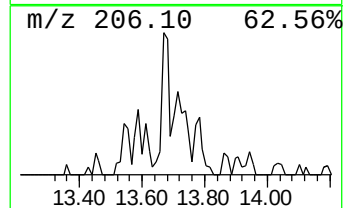
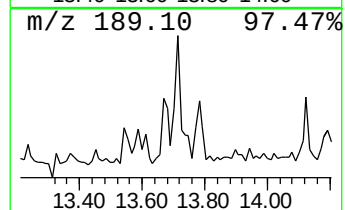
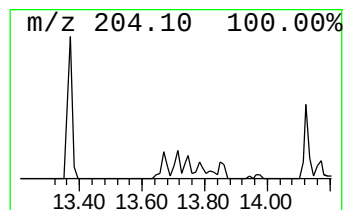
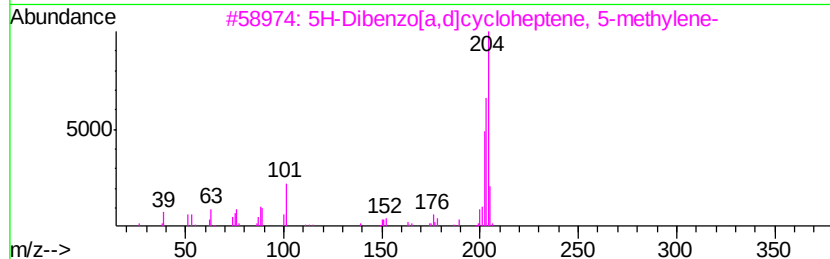
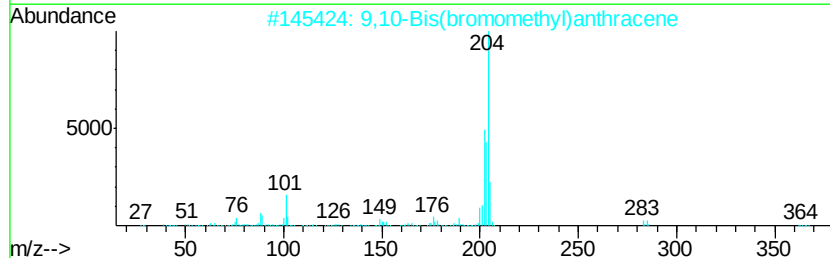
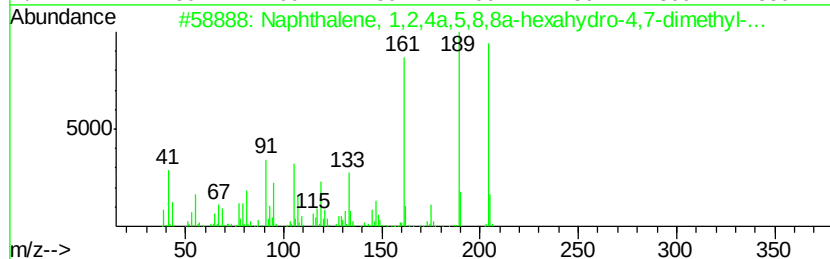
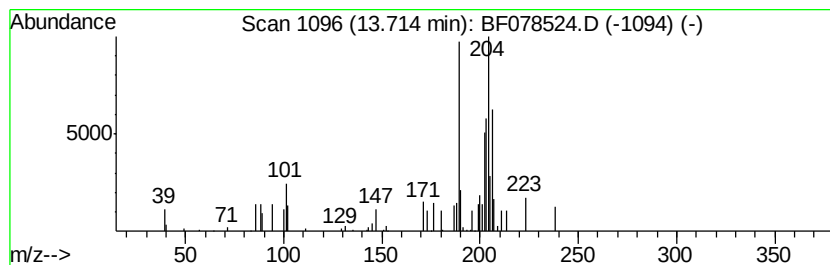
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown13.71 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	2.74 ng	34335	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	43
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
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Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

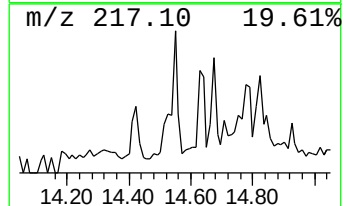
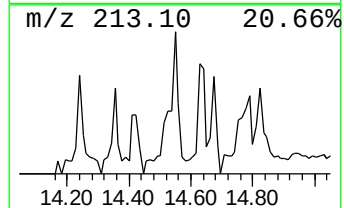
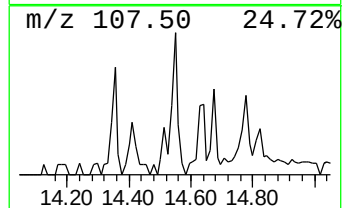
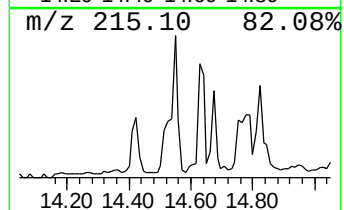
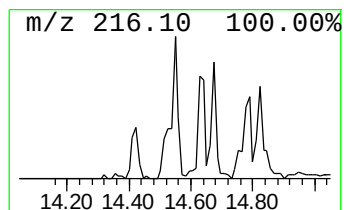
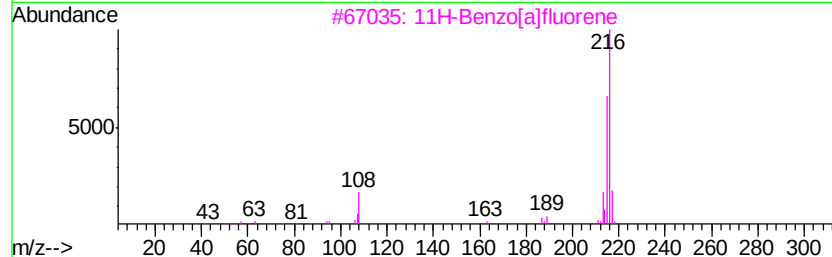
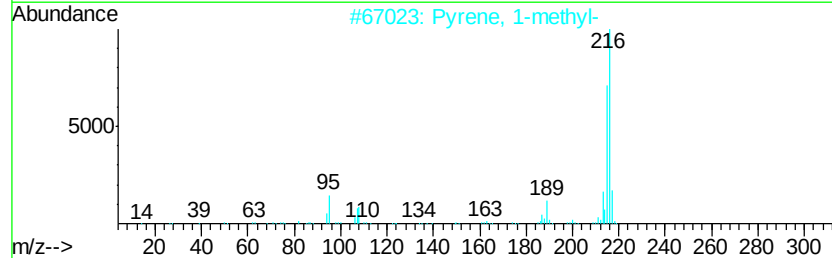
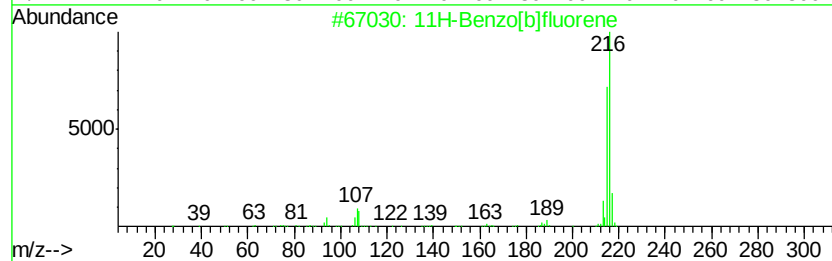
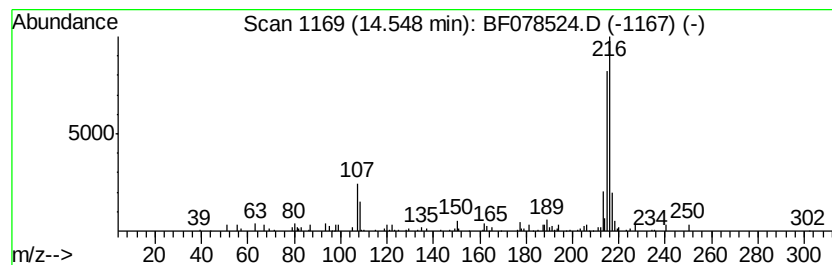
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.55 ng	67711	Chrysene-d12	15.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 87
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 83
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 81
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 74
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

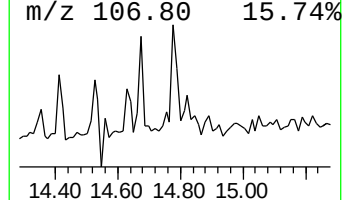
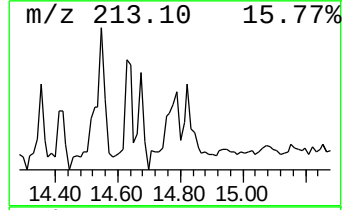
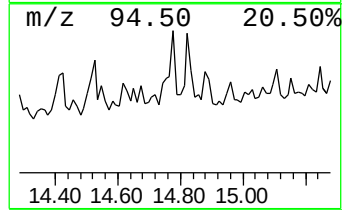
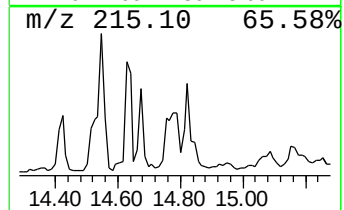
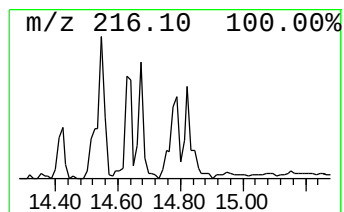
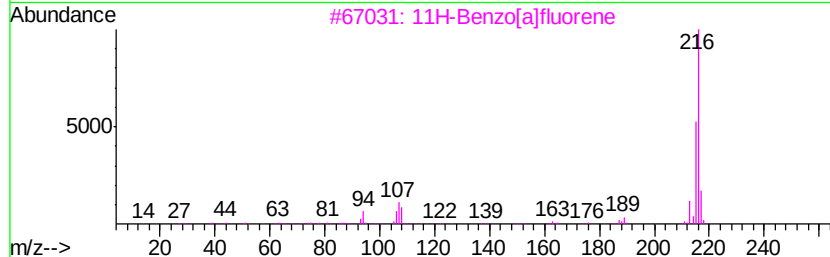
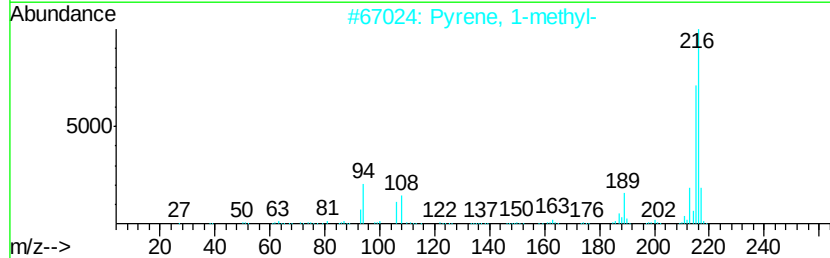
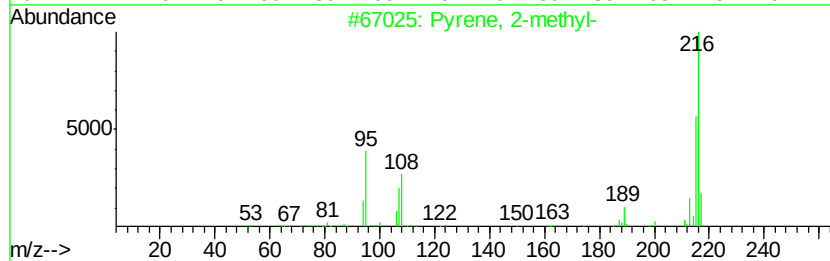
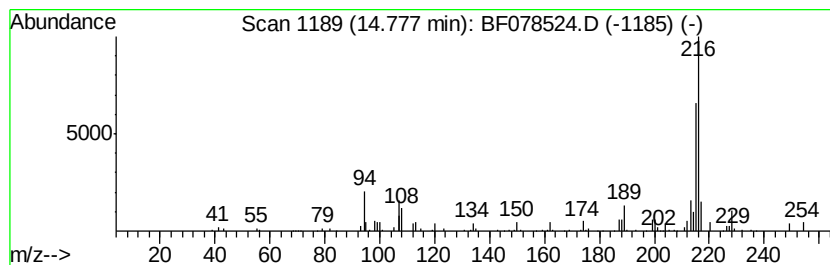
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.78	2.52 ng	66847	Chrysene-d12	15.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	52
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

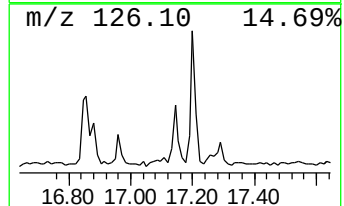
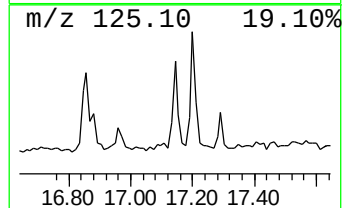
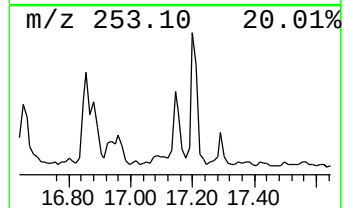
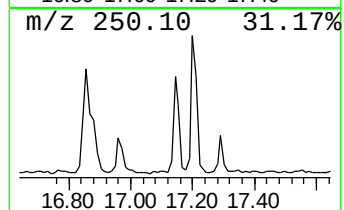
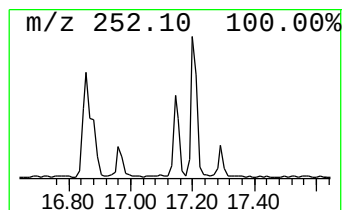
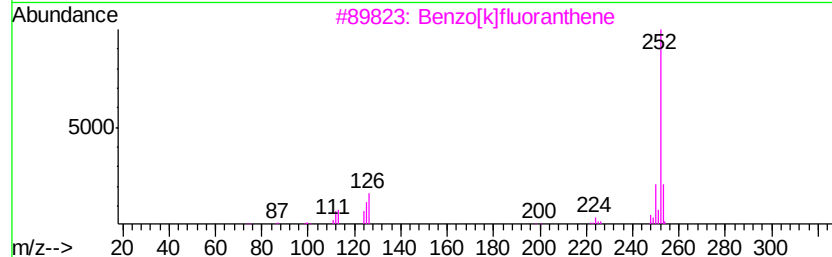
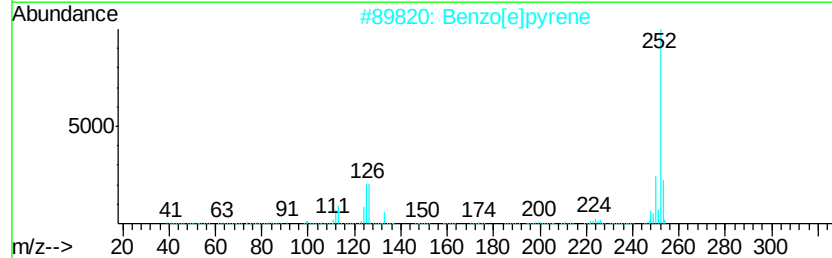
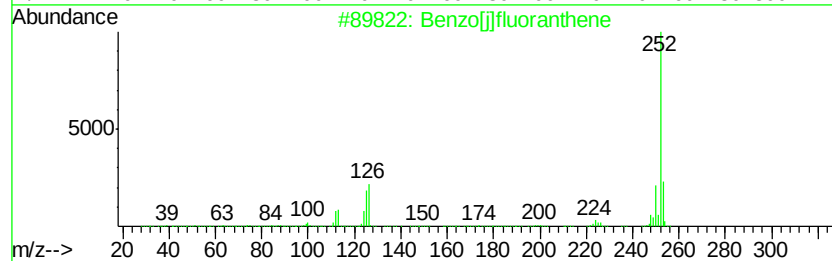
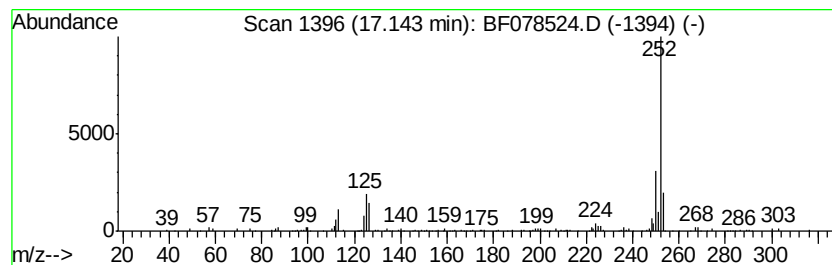
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	6.33 ng	82286	Perylene-d12	17.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078524.D
 Acq On : 15 Apr 2015 3:11
 Operator : TP/IZ
 Sample : G1850-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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unknown7.02	7.02	3.1	ng	17486	1	6.80	111774	20.0
Biphenylene	10.36	2.5	ng	26132	3	10.54	210472	20.0
Benzene, [1-(2,4-...	11.28	2.5	ng	26412	3	10.54	210472	20.0
Phenanthrene, 2-m...	12.99	5.5	ng	69382	4	12.37	250845	20.0
Anthracene, 9-met...	13.03	4.4	ng	55469	4	12.37	250845	20.0
Anthracene, 2-met...	13.09	2.6	ng	32966	4	12.37	250845	20.0
4H-Cyclopenta[def...	13.12	10.4	ng	131024	4	12.37	250845	20.0
Naphthalene, 2-ph...	13.37	4.0	ng	49956	4	12.37	250845	20.0
Phenanthrene, 2,5...	13.67	3.9	ng	49004	4	12.37	250845	20.0
unknown13.71	13.71	2.7	ng	34335	4	12.37	250845	20.0
11H-Benzo[b]fluorene	14.55	2.5	ng	67711	5	15.62	530058	20.0
Pyrene, 2-methyl-	14.78	2.5	ng	66847	5	15.62	530058	20.0
Benzo[j]fluoranthene	17.14	6.3	ng	82286	6	17.27	259835	20.0