

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078633.D
 Acq On : 18 Apr 2015 9:30
 Operator : TP/IZ
 Sample : G1880-03 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4

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	1.530	28	30	58	rVB	1117219	2053050	47.82%	3.481%
2	6.284	444	446	453	rVB	121674	123851	2.89%	0.210%
3	6.387	453	455	458	rBV	140990	140042	3.26%	0.237%
4	6.673	477	480	483	rBV	223811	213022	4.96%	0.361%
5	8.250	616	618	623	rBV	339185	337426	7.86%	0.572%
6	9.599	734	736	739	rBV	218988	198301	4.62%	0.336%
7	10.228	789	791	794	rBV	269561	283713	6.61%	0.481%
8	10.411	804	807	808	rBV	317382	422972	9.85%	0.717%
9	10.445	808	810	812	rVB	157892	147584	3.44%	0.250%
10	10.662	826	829	832	rVB	161672	202070	4.71%	0.343%
11	11.074	863	865	868	rVB	249055	319544	7.44%	0.542%
12	11.279	881	883	887	rVB2	117624	147794	3.44%	0.251%
13	11.382	890	892	895	rVV2	212252	297357	6.93%	0.504%
14	11.759	922	925	926	rBV2	86766	118963	2.77%	0.202%
15	11.931	938	940	941	rBV2	79603	116075	2.70%	0.197%
16	11.988	943	945	949	rVB2	142937	228439	5.32%	0.387%
17	12.056	949	951	953	rBV	101199	157917	3.68%	0.268%
18	12.091	953	954	956	rVB	207271	177984	4.15%	0.302%
19	12.228	963	966	967	rBV	332605	597665	13.92%	1.013%
20	12.262	967	969	971	rVB	2474885	2819892	65.69%	4.782%
21	12.319	971	974	976	rVB	859521	910364	21.21%	1.544%
22	12.537	991	993	994	rBV	210077	274307	6.39%	0.465%
23	12.628	998	1001	1004	rBV5	70972	188682	4.40%	0.320%
24	12.845	1018	1020	1022	rBV	392199	481968	11.23%	0.817%
25	12.879	1022	1023	1026	rVB	551176	567644	13.22%	0.963%
26	12.937	1026	1028	1030	rBV	262765	296594	6.91%	0.503%
27	12.971	1030	1031	1033	rBV2	507481	673976	15.70%	1.143%
28	13.097	1038	1042	1043	rBV3	68765	125709	2.93%	0.213%
29	13.222	1048	1053	1054	rBV	353337	480970	11.20%	0.816%
30	13.405	1065	1069	1070	rBV2	95500	159042	3.70%	0.270%
31	13.439	1070	1072	1073	rVV	123928	118537	2.76%	0.201%
32	13.531	1077	1080	1082	rBV	284209	477656	11.13%	0.810%
33	13.565	1082	1083	1085	rVV	182062	218025	5.08%	0.370%
34	13.622	1087	1088	1093	rVV2	195775	355035	8.27%	0.602%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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35	13.725	1093	1097	1099	rVV	3026441	4036980	94.04%	6.845%
36	13.794	1101	1103	1105	rBV2	114915	208863	4.87%	0.354%
37	13.828	1105	1106	1109	rVB	187758	178613	4.16%	0.303%
38	13.885	1109	1111	1114	rBV2	222188	347918	8.10%	0.590%
39	14.000	1117	1121	1123	rBV2	2638046	4292839	100.00%	7.279%
40	14.057	1123	1126	1128	rVV2	177115	210363	4.90%	0.357%
41	14.148	1131	1134	1135	rBV	290260	321021	7.48%	0.544%
42	14.182	1135	1137	1138	rVV	193933	234065	5.45%	0.397%
43	14.205	1138	1139	1141	rVV	235695	251784	5.87%	0.427%
44	14.274	1141	1145	1147	rVV2	255240	426959	9.95%	0.724%
45	14.400	1151	1156	1158	rVB2	455714	1022893	23.83%	1.735%
46	14.480	1161	1163	1165	rBV	217597	325731	7.59%	0.552%
47	14.525	1165	1167	1173	rVV2	439607	672344	15.66%	1.140%
48	14.628	1175	1176	1178	rVV	201028	254392	5.93%	0.431%
49	14.674	1178	1180	1182	rVV	167555	220282	5.13%	0.374%
50	14.720	1182	1184	1187	rVB3	58253	119444	2.78%	0.203%
51	14.902	1195	1200	1201	rBV4	115681	266310	6.20%	0.452%
52	14.937	1201	1203	1205	rVB2	77720	118938	2.77%	0.202%
53	15.028	1205	1211	1214	rBV	384854	575789	13.41%	0.976%
54	15.154	1219	1222	1224	rBV	415629	586572	13.66%	0.995%
55	15.200	1224	1226	1229	rVV2	315528	578928	13.49%	0.982%
56	15.245	1229	1230	1232	rVB2	255078	259611	6.05%	0.440%
57	15.291	1232	1234	1237	rVB	376734	429331	10.00%	0.728%
58	15.371	1237	1241	1242	rBV2	121105	244053	5.69%	0.414%
59	15.474	1245	1250	1251	rBV	1702189	3279391	76.39%	5.561%
60	15.508	1251	1253	1255	rVV2	1472480	2507295	58.41%	4.252%
61	15.543	1255	1256	1258	rVB	151843	126238	2.94%	0.214%
62	15.600	1258	1261	1263	rBV2	210493	315636	7.35%	0.535%
63	15.645	1263	1265	1267	rBV2	116938	180044	4.19%	0.305%
64	15.725	1270	1272	1274	rVB	317273	342979	7.99%	0.582%
65	15.771	1274	1276	1278	rBV	255152	332186	7.74%	0.563%
66	15.908	1286	1288	1290	rVB2	111151	175707	4.09%	0.298%
67	15.965	1290	1293	1295	rBV	445578	664977	15.49%	1.128%
68	16.000	1295	1296	1299	rVV	211648	247925	5.78%	0.420%
69	16.068	1299	1302	1304	rVV3	133675	306442	7.14%	0.520%
70	16.103	1304	1305	1309	rVV3	141314	300299	7.00%	0.509%
71	16.217	1313	1315	1318	rVB	134534	190163	4.43%	0.322%

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72	16.354	1323	1327	1329	rBV3	130842	273398	6.37%	0.464%
73	16.548	1341	1344	1346	rBV2	113811	253413	5.90%	0.430%
74	16.674	1351	1355	1357	rVB3	73139	178883	4.17%	0.303%
75	16.743	1357	1361	1366	rBV	1610410	4079272	95.03%	6.917%
76	16.846	1366	1370	1372	rVB2	444565	594645	13.85%	1.008%
77	16.880	1372	1373	1377	rBV3	67107	127209	2.96%	0.216%
78	16.960	1377	1380	1384	rBV4	139084	444122	10.35%	0.753%
79	17.040	1384	1387	1390	rBV	1084833	1470914	34.26%	2.494%
80	17.108	1390	1393	1395	rVB	1532053	1978687	46.09%	3.355%
81	17.166	1395	1398	1399	rBV	340047	572028	13.33%	0.970%
82	17.188	1399	1400	1406	rVB2	559118	678750	15.81%	1.151%
83	17.337	1409	1413	1415	rBV3	116340	341094	7.95%	0.578%
84	17.451	1420	1423	1425	rBV2	112862	260777	6.07%	0.442%
85	17.646	1437	1440	1442	rVB2	110507	198270	4.62%	0.336%
86	17.931	1463	1465	1468	rVB2	82631	137597	3.21%	0.233%
87	18.023	1470	1473	1475	rBV2	65699	133042	3.10%	0.226%
88	18.069	1475	1477	1478	rBV	85010	127300	2.97%	0.216%
89	18.217	1486	1490	1492	rBV2	234269	499632	11.64%	0.847%
90	18.354	1497	1502	1505	rBV2	879423	1755504	40.89%	2.977%
91	18.411	1505	1507	1510	rVB	104048	156360	3.64%	0.265%
92	18.480	1510	1513	1515	rBV	230738	430748	10.03%	0.730%
93	18.514	1515	1516	1520	rVB2	147489	247199	5.76%	0.419%
94	18.674	1526	1530	1533	rBV	689581	1343554	31.30%	2.278%
95	18.834	1540	1544	1551	rVB3	220843	646713	15.06%	1.097%
96	20.309	1667	1673	1679	rVB	235261	715991	16.68%	1.214%
97	20.446	1680	1685	1688	rBV	142488	467605	10.89%	0.793%
98	20.915	1721	1726	1734	rVB2	54657	216582	5.05%	0.367%
99	21.177	1737	1749	1756	rBV	158393	903646	21.05%	1.532%
100	21.315	1757	1761	1763	rBV	61593	154626	3.60%	0.262%

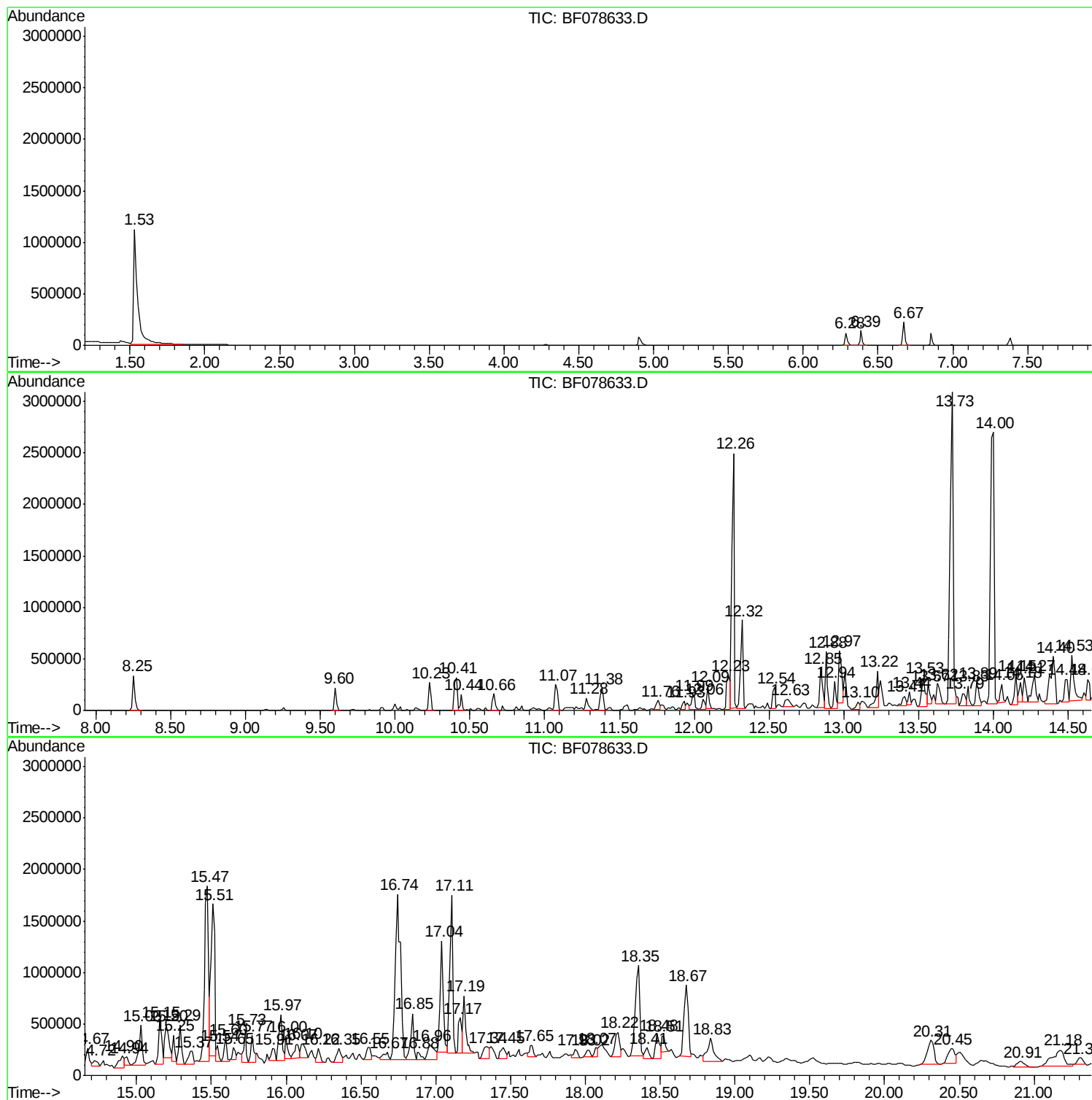
Sum of corrected areas: 58973036

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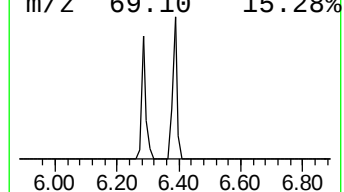
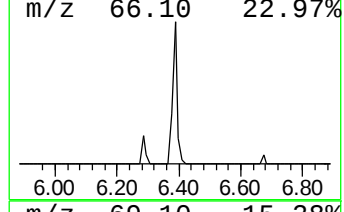
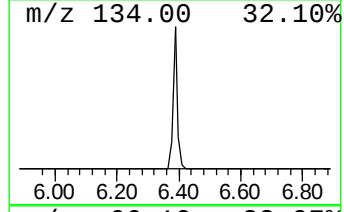
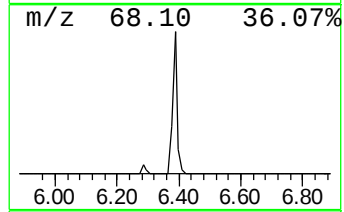
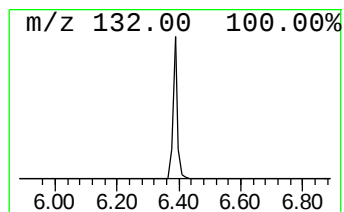
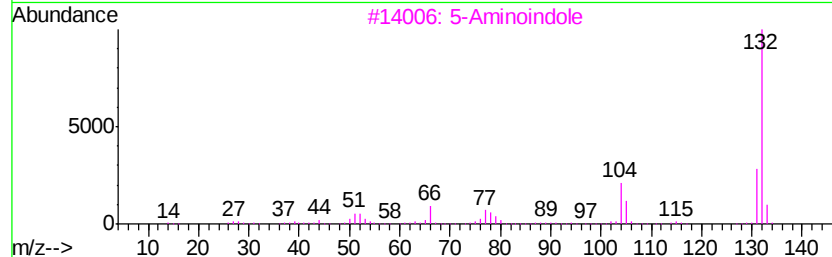
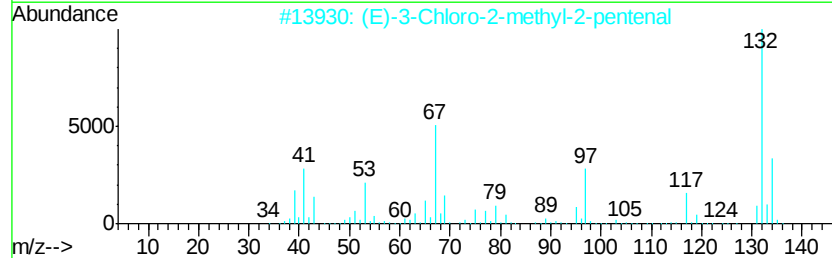
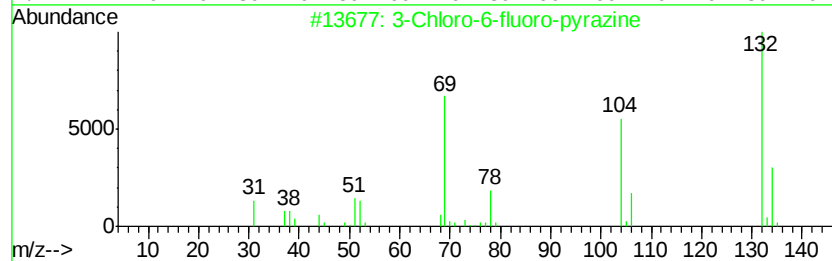
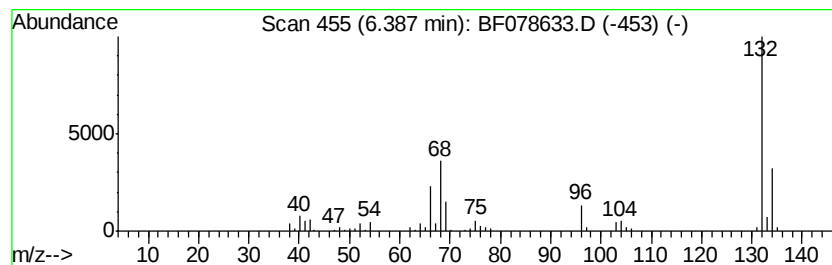
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.39 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	13.15 ng	140042	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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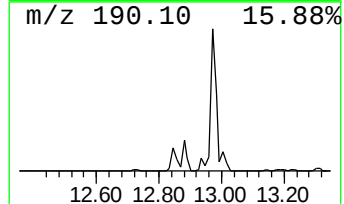
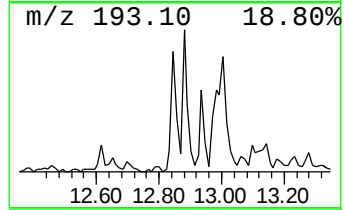
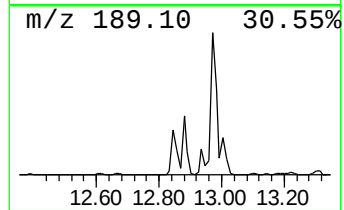
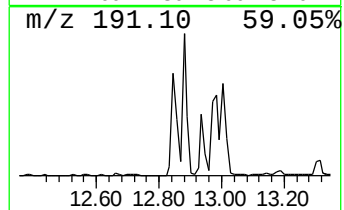
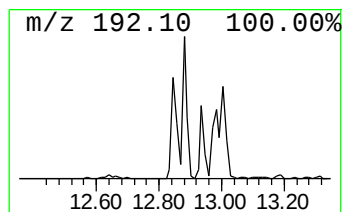
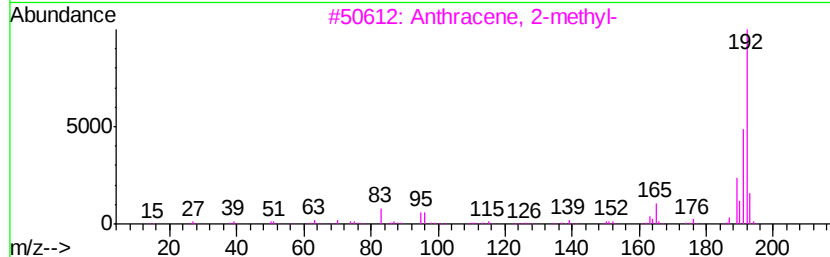
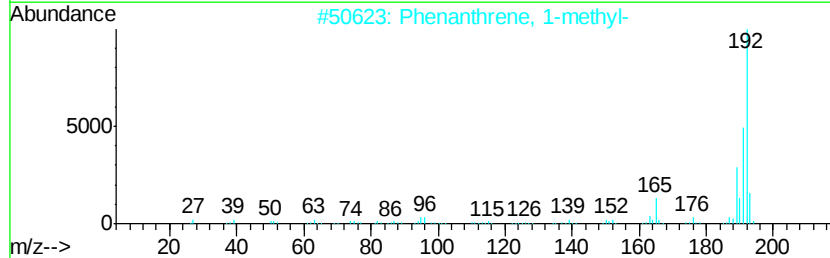
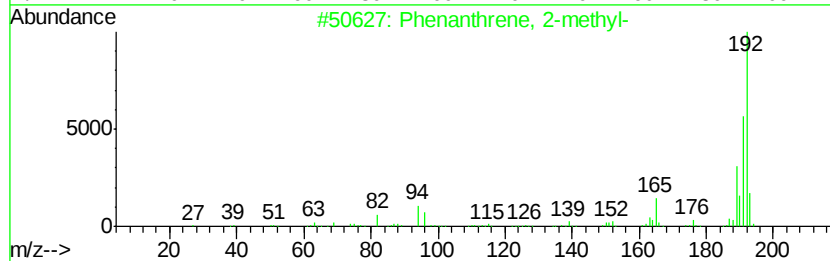
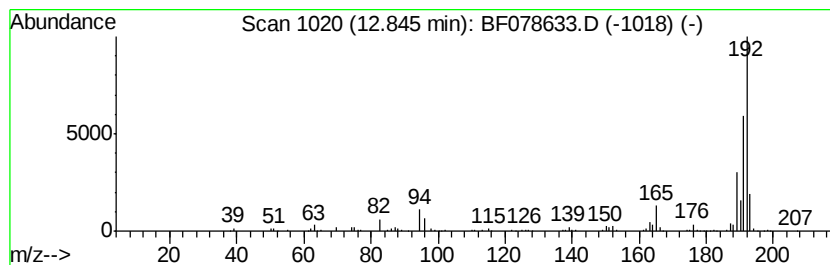
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	16.13 ng	481968	Phenanthrene-d10	12.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



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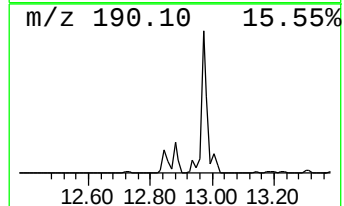
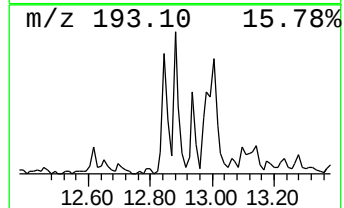
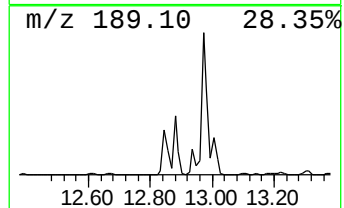
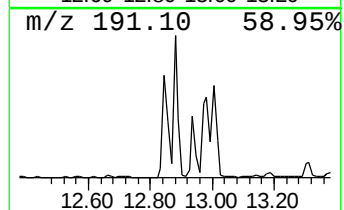
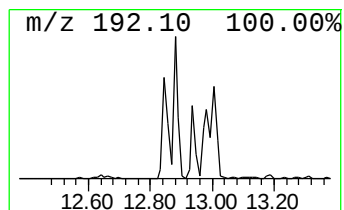
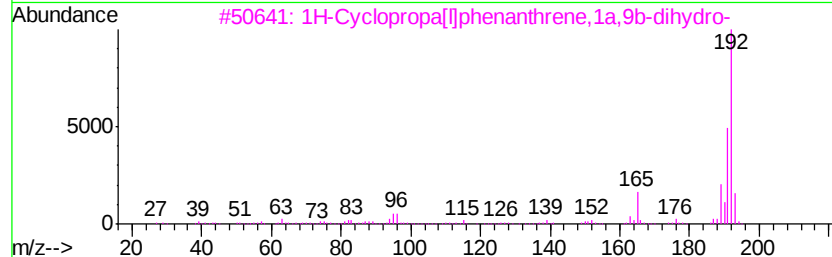
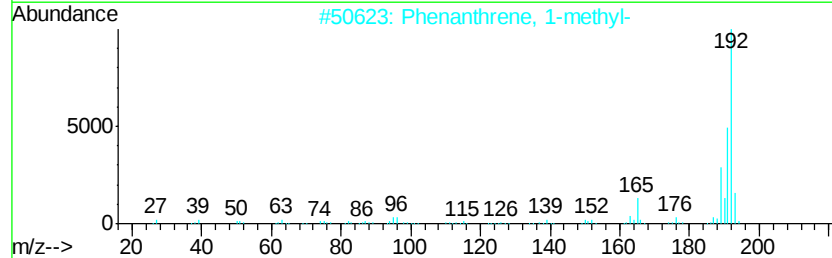
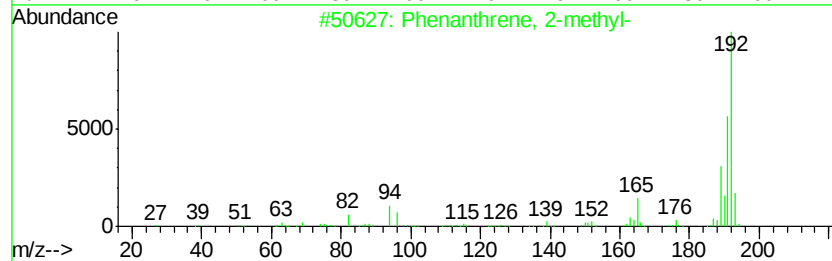
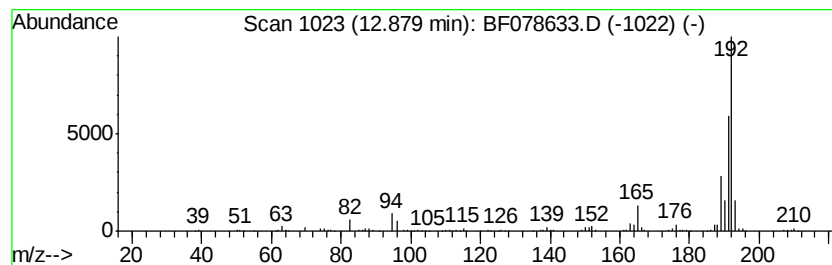
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.88	19.00 ng	567644	Phenanthrene-d10	12.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
Sample : G1880-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S2-1-4

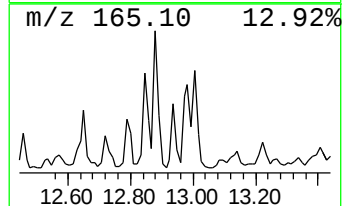
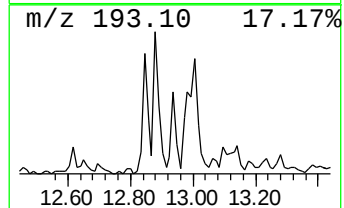
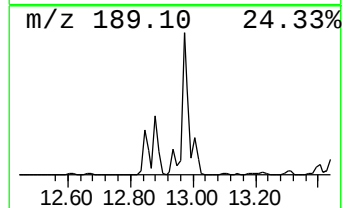
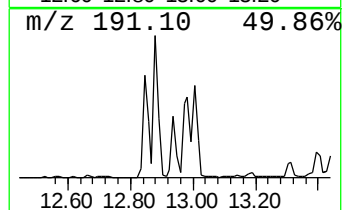
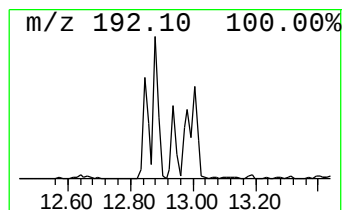
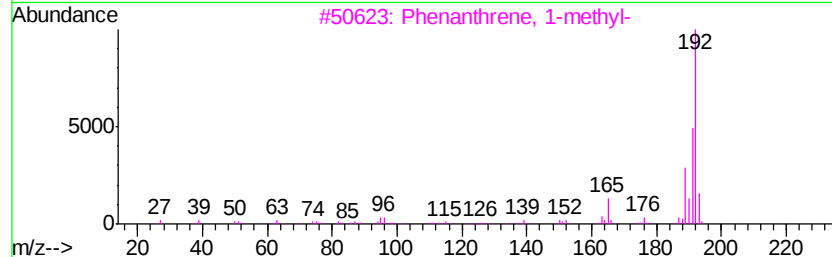
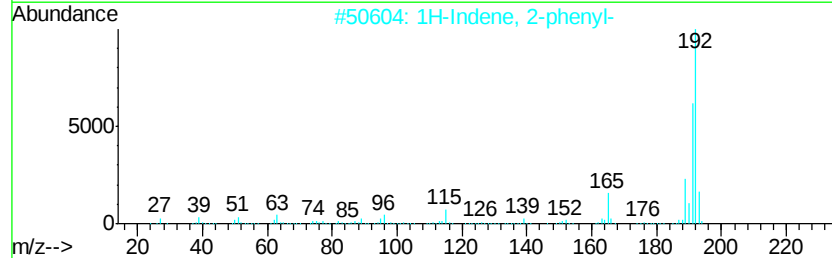
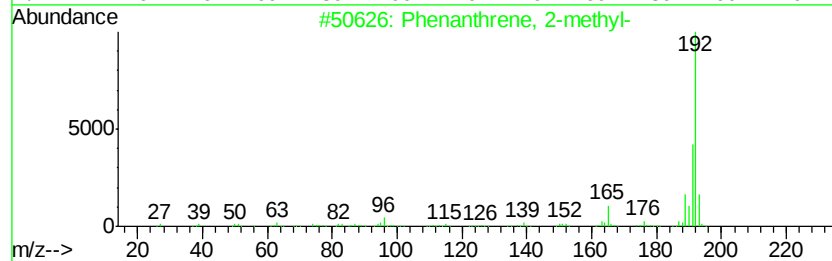
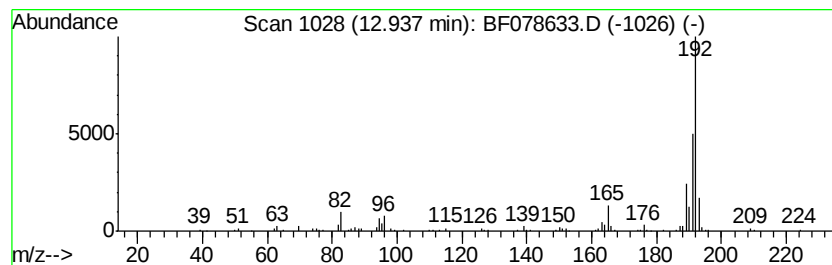
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1H-Indene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	9.93 ng	296594	Phenanthrene-d10	12.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
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Misc :
ALS Vial : 30 Sample Multiplier: 1

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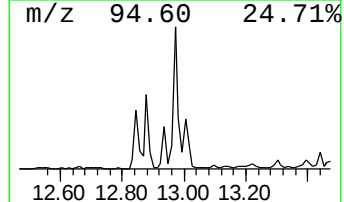
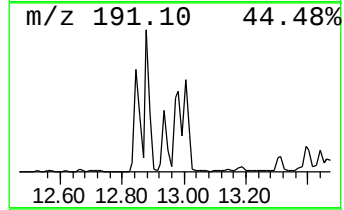
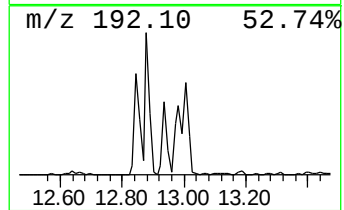
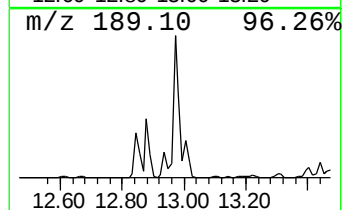
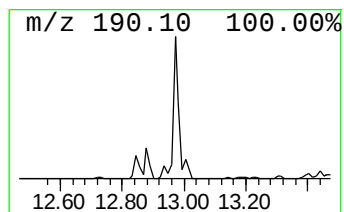
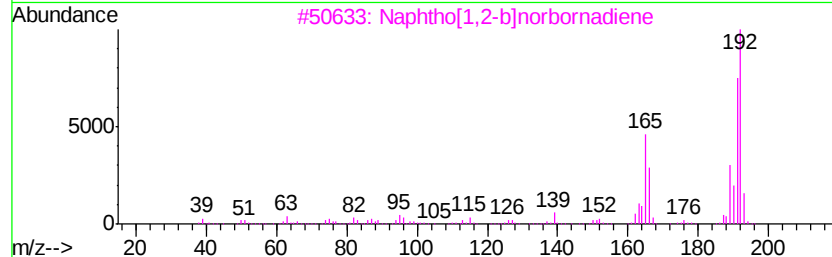
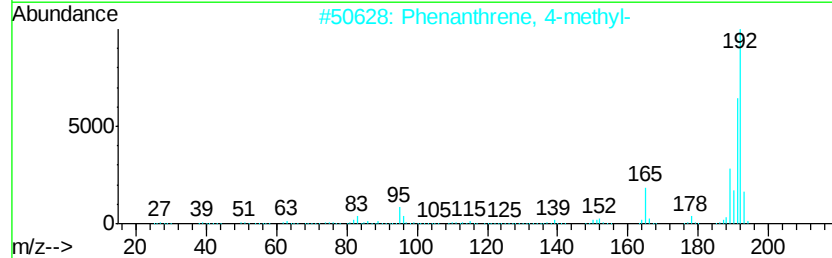
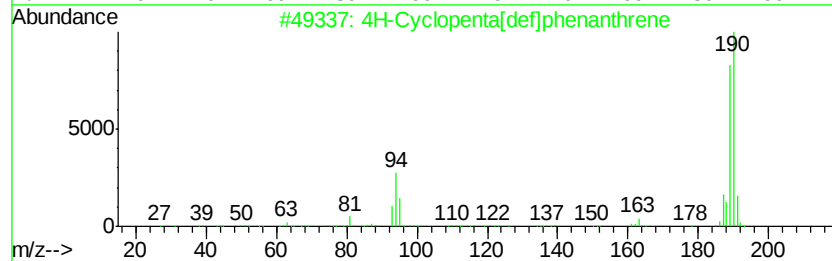
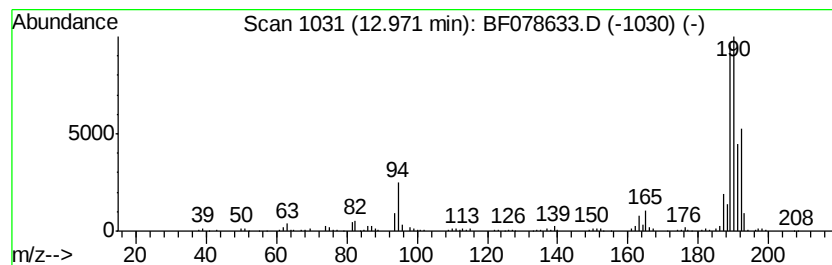
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	22.55 ng	673976	Phenanthrene-d10	12.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	18
4	1a,9b-Dihydro-1H-cyclopropa[alan...	192	C15H12	006109-24-6	18
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
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Misc :
ALS Vial : 30 Sample Multiplier: 1

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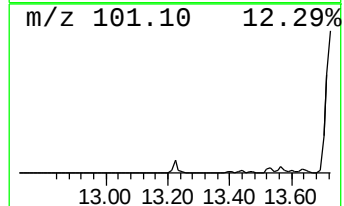
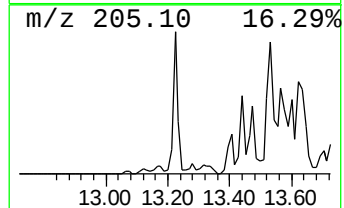
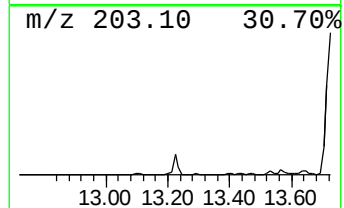
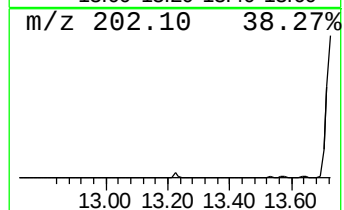
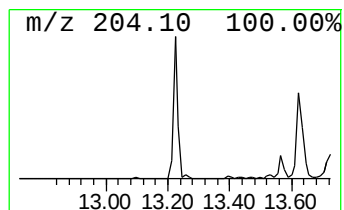
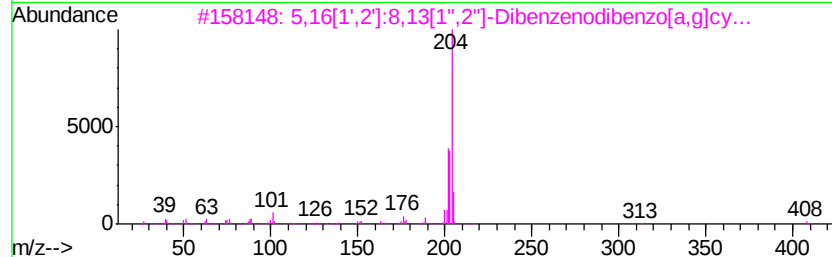
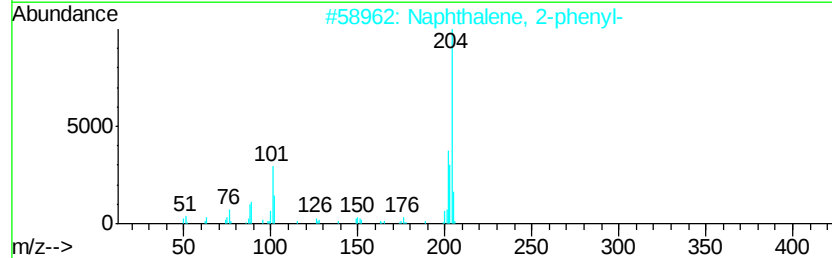
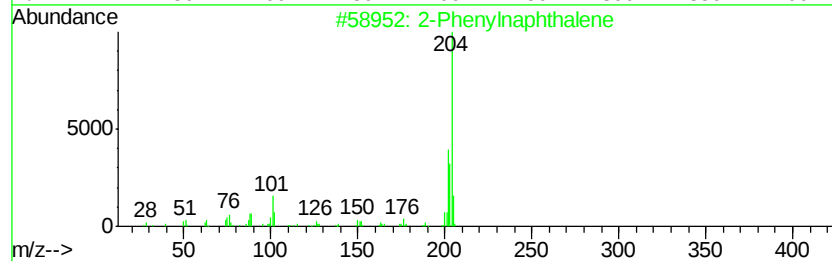
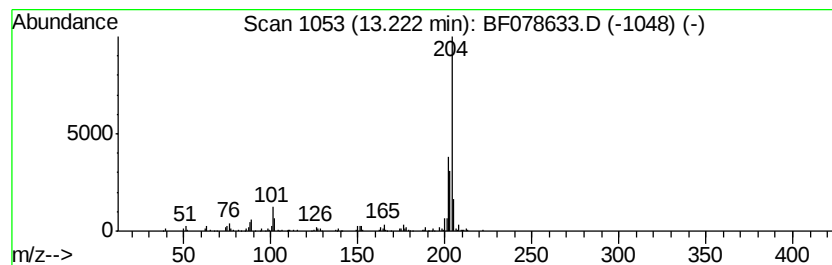
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	16.10 ng	480970	Phenanthrene-d10	12.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
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Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
Sample : G1880-03 5X
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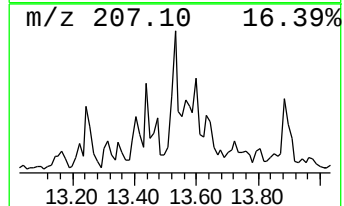
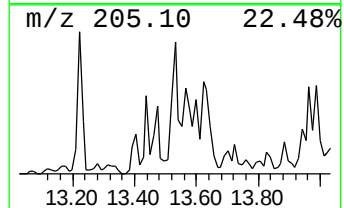
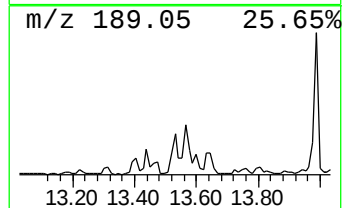
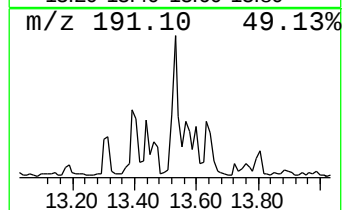
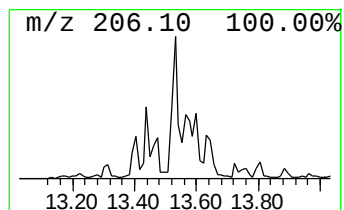
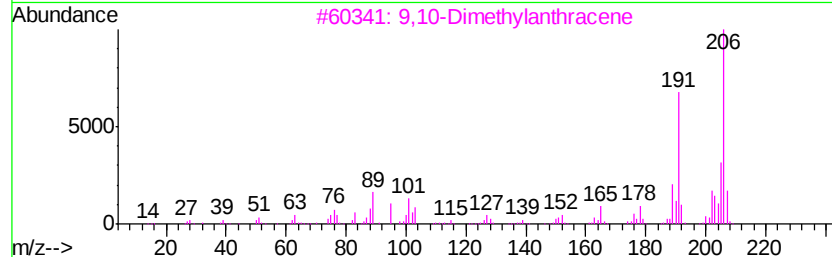
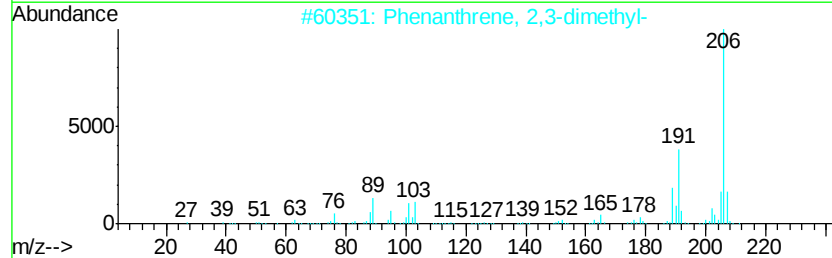
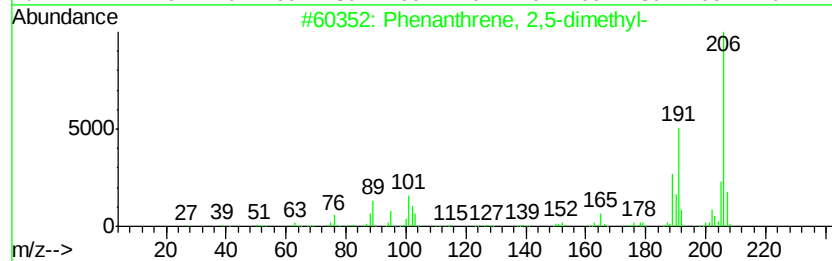
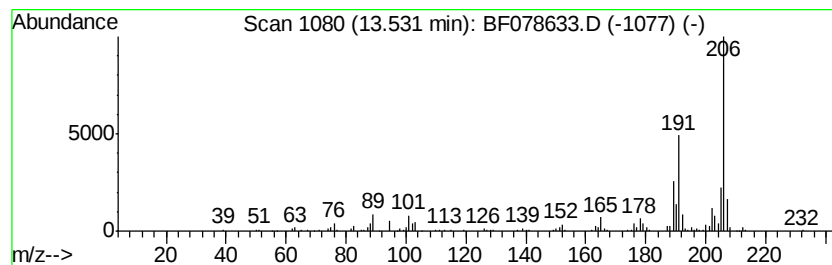
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.53	15.98 ng	477656	Phenanthrene-d10		12.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
Sample : G1880-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

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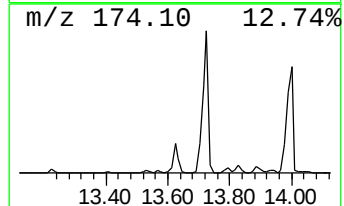
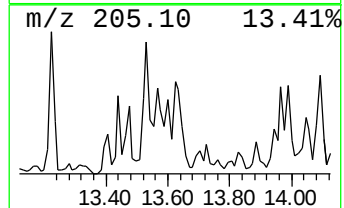
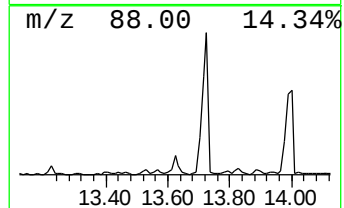
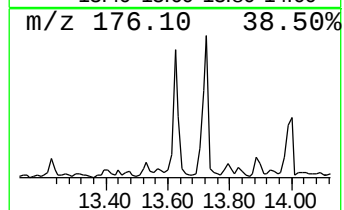
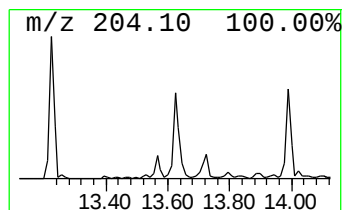
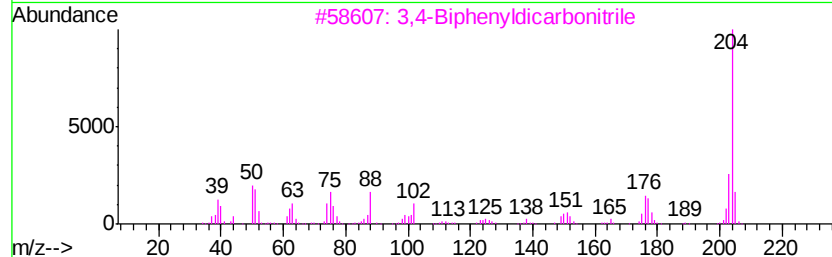
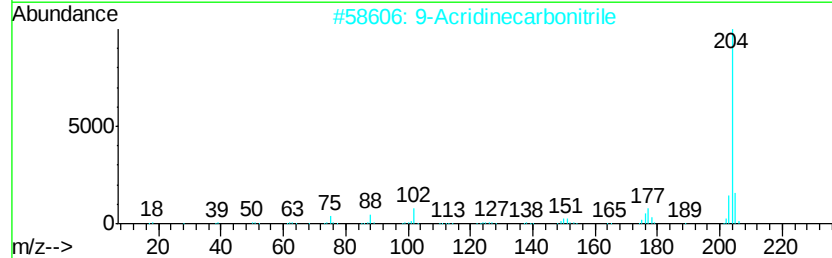
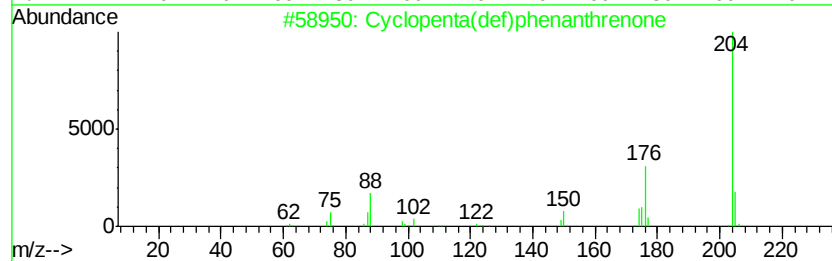
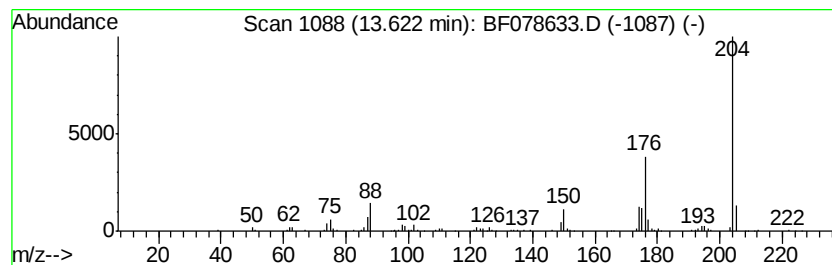
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	11.88 ng	355035	Phenanthrene-d10	12.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42
4		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13N03	1000147-59-7	39
5		1-Ethyl-1,2,3,4-tetrahydro-6,7-m...	219	C12H13N03	132767-88-5	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078633.D
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ClientSampleId :
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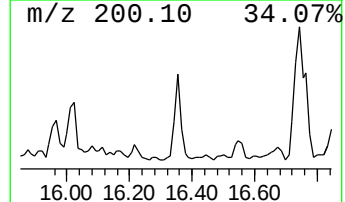
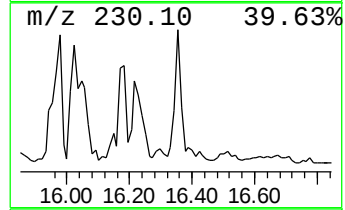
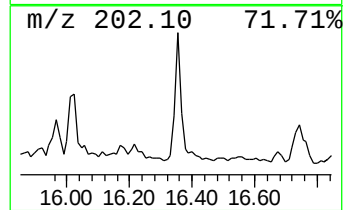
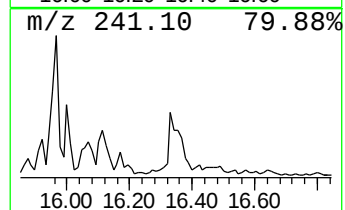
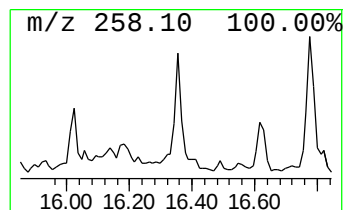
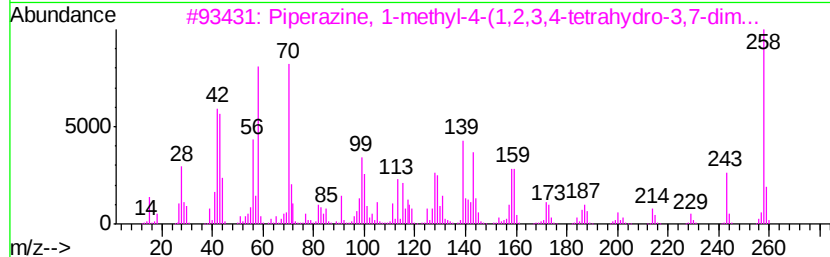
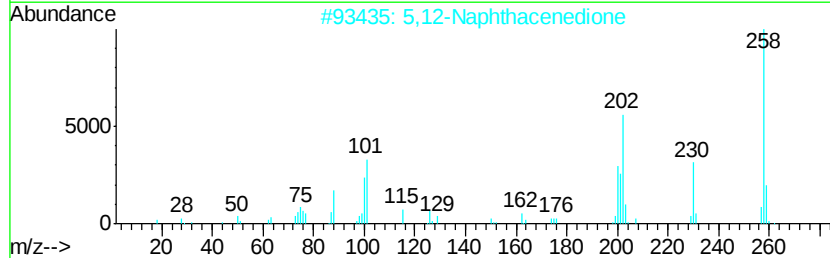
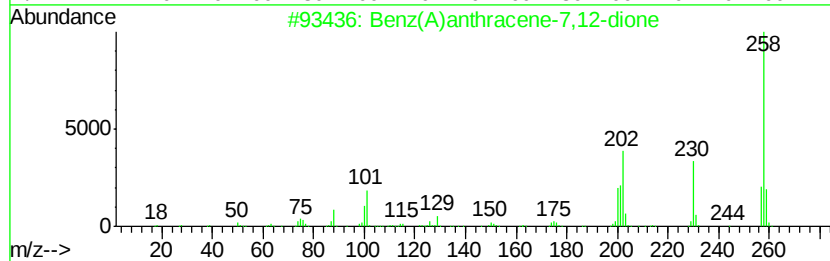
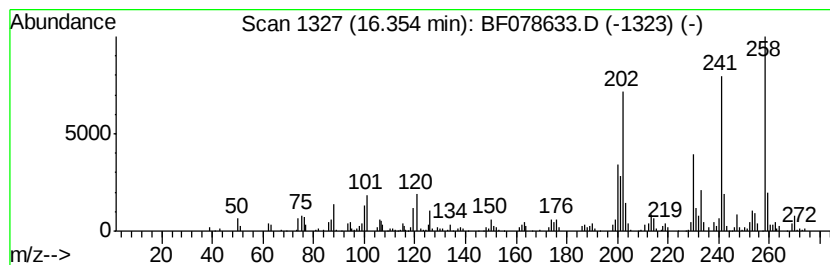
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benz(A)anthracene-7,12-dione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	9.56 ng	273398	Perylene-d12	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	90
3		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
4		5,7-Dimethyl-6-phenyl-1,3-diazaa...	258	C16H22N2O	1000216-37-9	46
5		Benzo[1,2-b:4,3-b']bisbenzofuran	258	C18H10O2	000192-93-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078633.D
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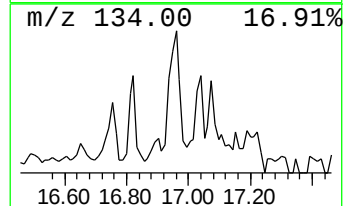
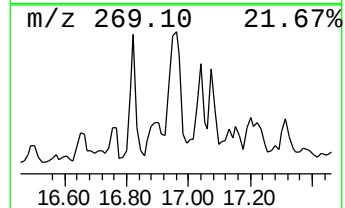
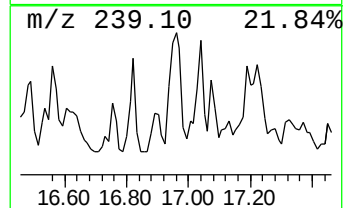
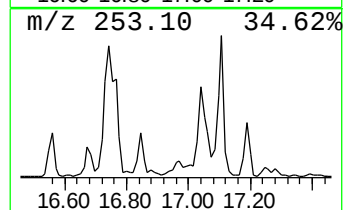
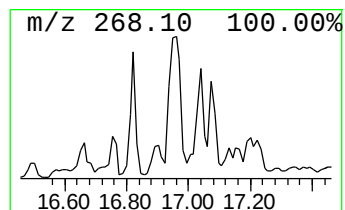
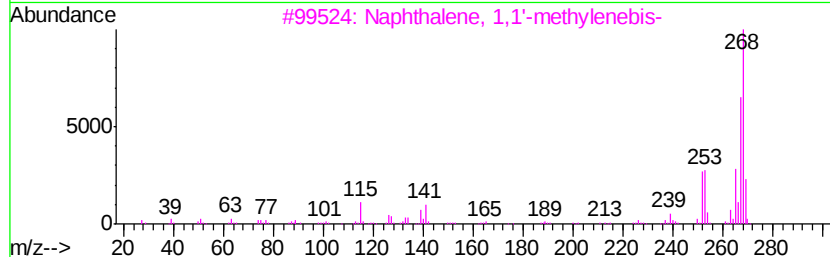
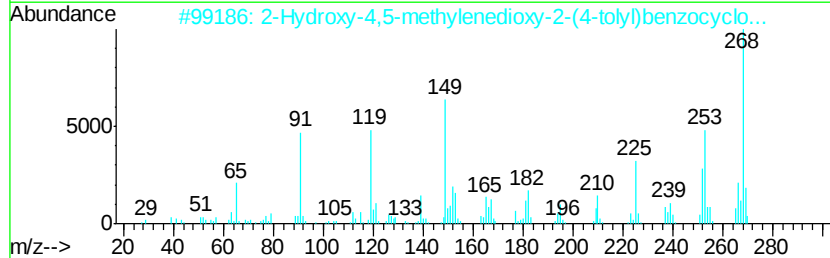
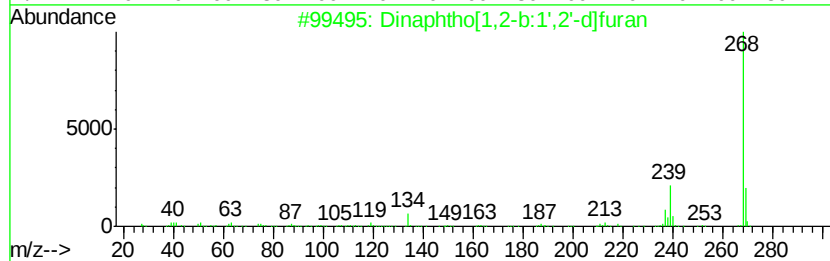
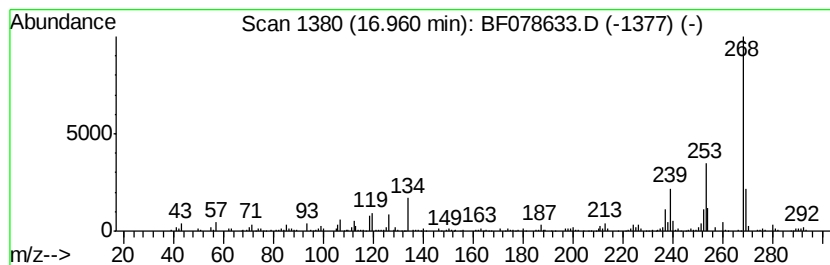
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	15.53 ng	444122	Perylene-d12	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		2-Hydroxy-4,5-methylenedioxy-2-(...)	268	C16H12O4	1000284-51-7	59
3		Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	59
4		trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	59
5		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
Sample : G1880-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S2-1-4

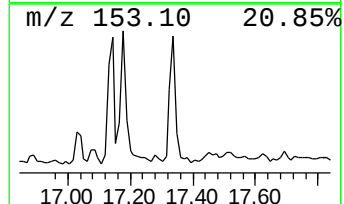
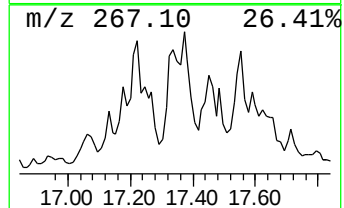
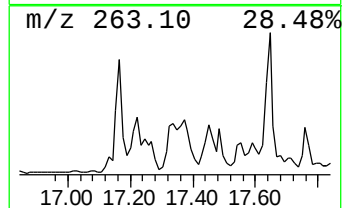
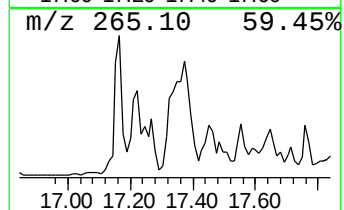
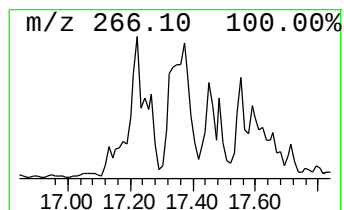
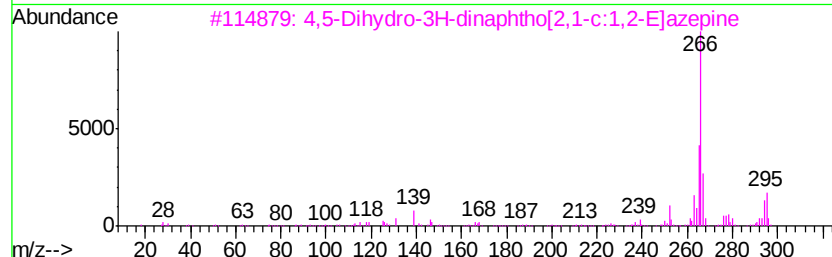
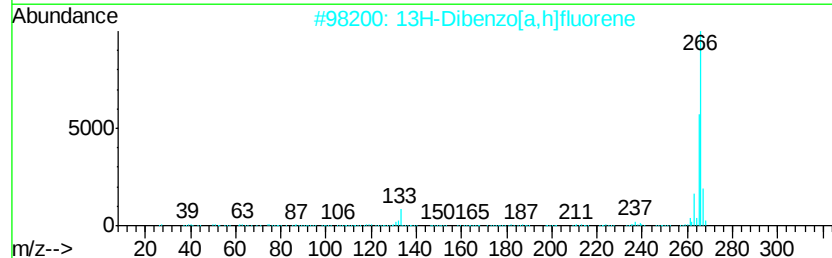
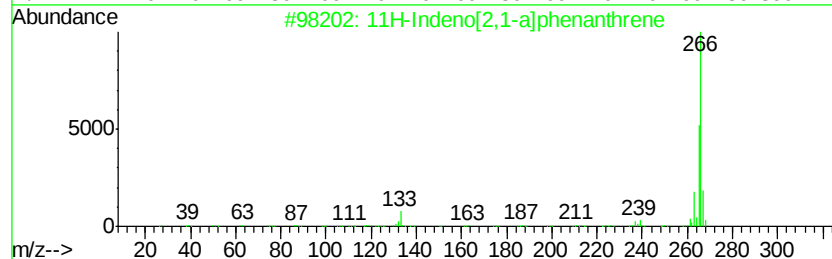
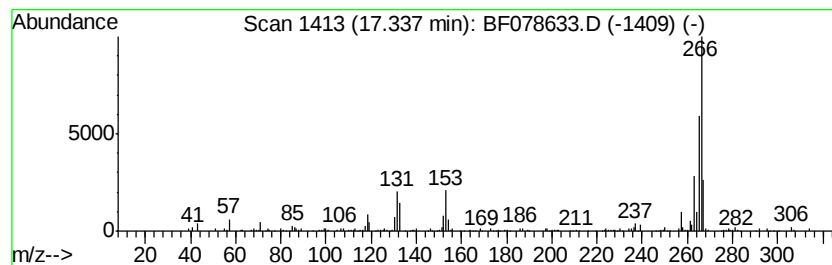
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	11.93 ng	341094	Perylene-d12	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	86
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	64
3		4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	53
4		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	49
5		Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
Sample : G1880-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S2-1-4

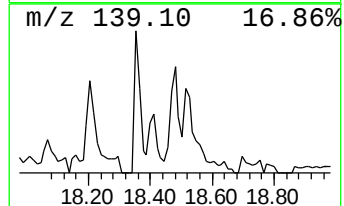
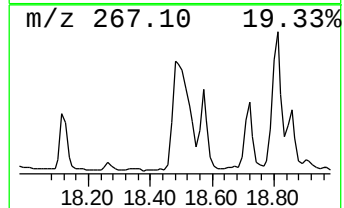
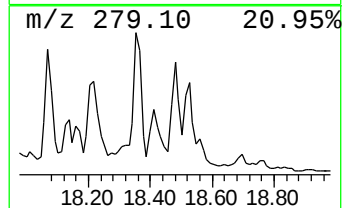
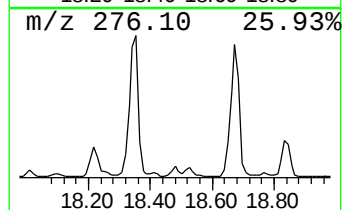
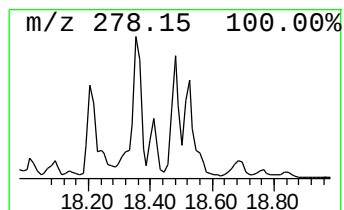
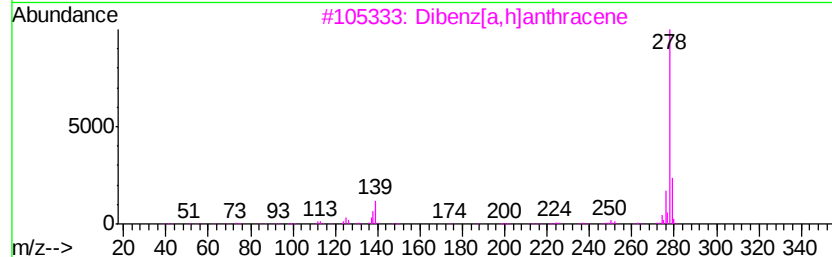
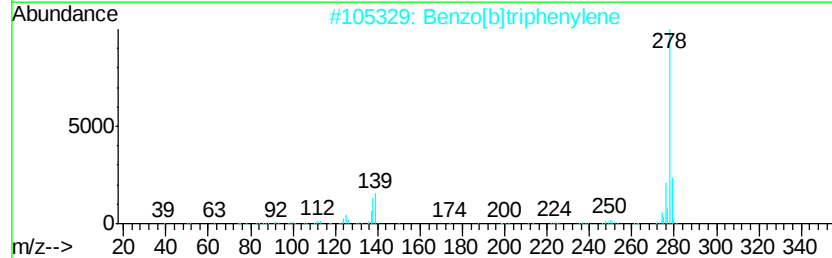
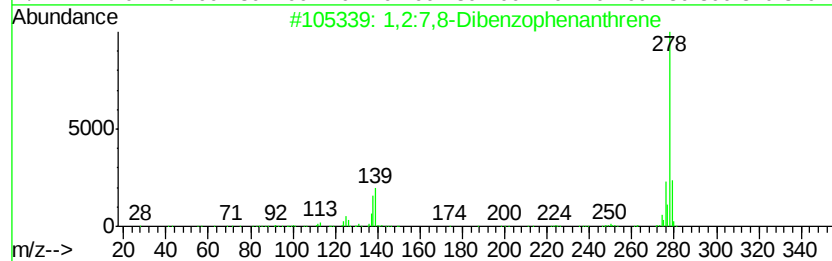
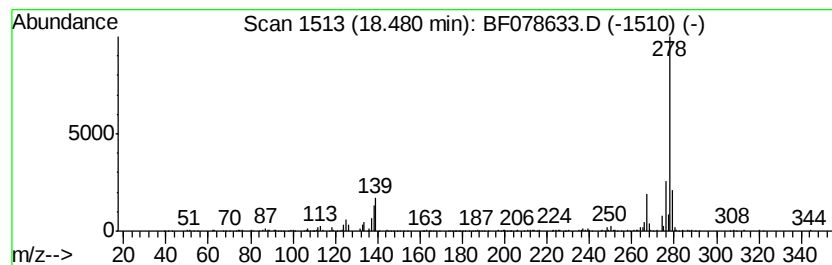
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,2:7,8-Dibenzophenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	15.06 ng	430748	Perylene-d12	17.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2			Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4			Pentacene	278	C22H14	000135-48-8	92
5			Pentaphene	278	C22H14	000222-93-5	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
Sample : G1880-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S2-1-4

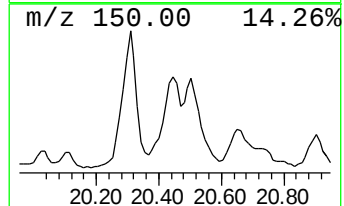
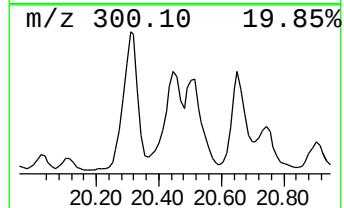
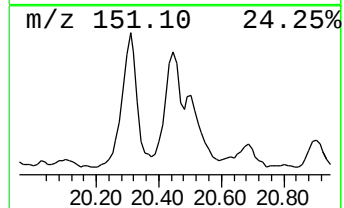
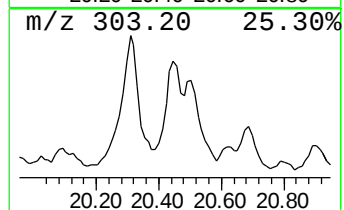
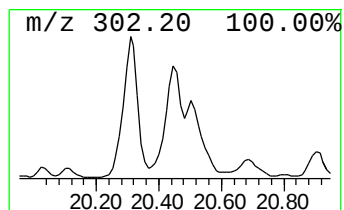
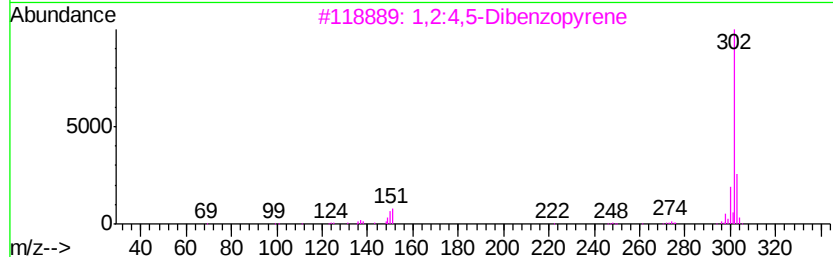
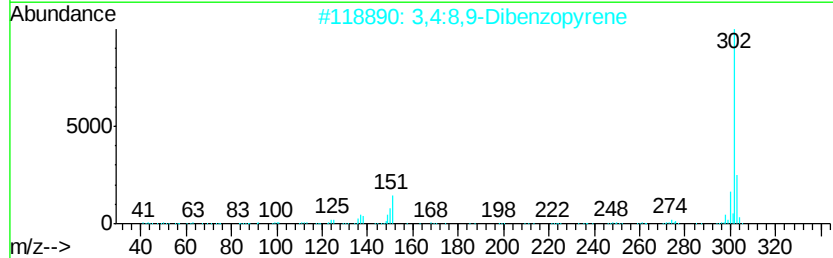
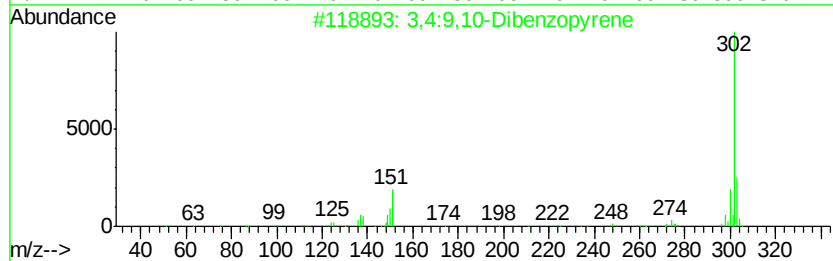
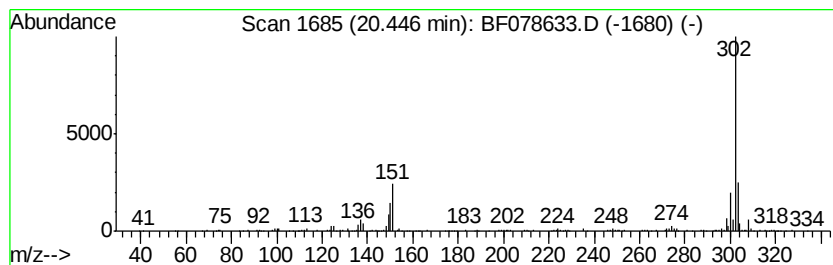
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	16.35 ng	467605	Perylene-d12	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	99
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
4		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86
5		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078633.D
Acq On : 18 Apr 2015 9:30
Operator : TP/IZ
Sample : G1880-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S2-1-4

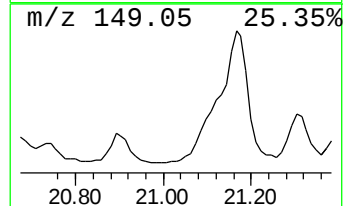
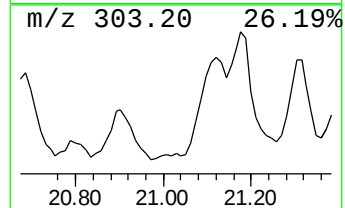
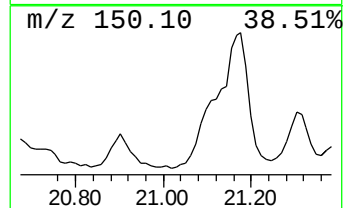
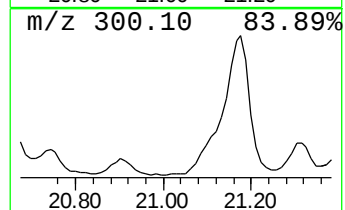
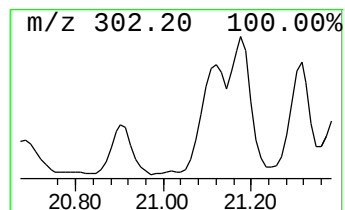
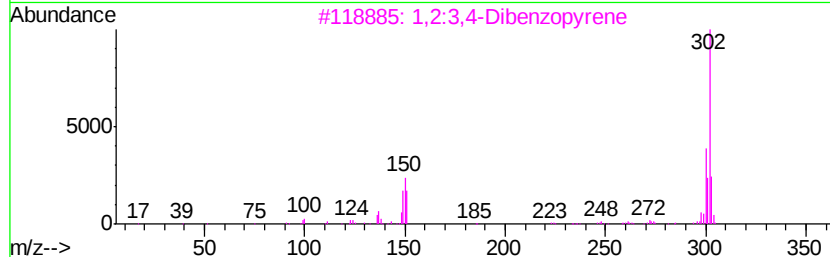
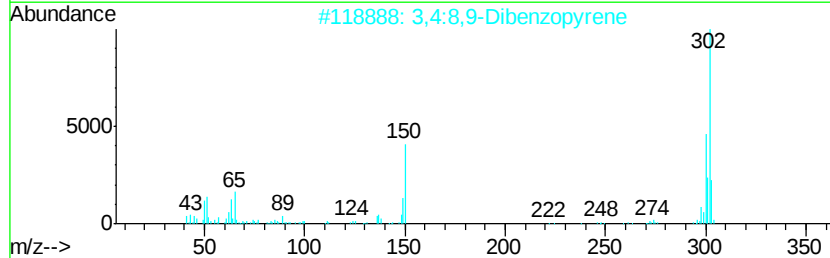
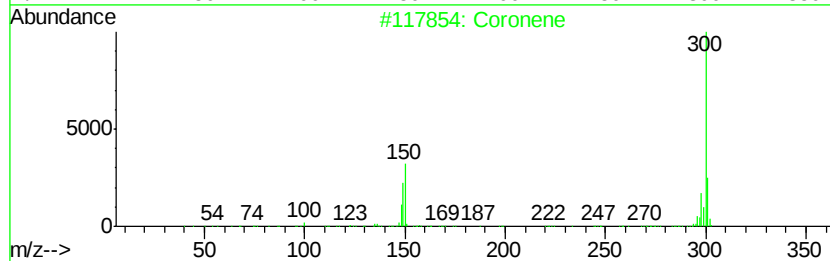
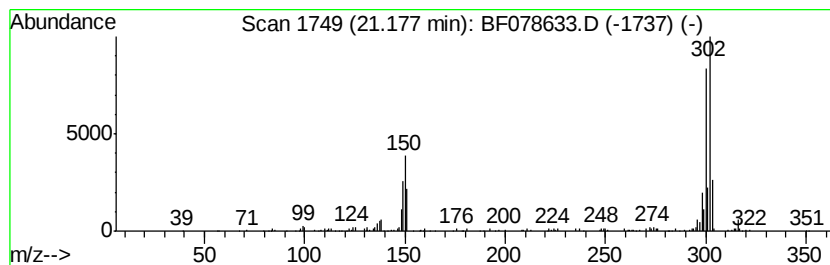
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.18	31.59 ng	903646	Perylene-d12	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	83
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	55
3		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	50
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	50
5		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078633.D
 Acq On : 18 Apr 2015 9:30
 Operator : TP/IZ
 Sample : G1880-03 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4

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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Phenanthrene, 2-m...	12.85	16.1	ng	481968	4	12.23	597665	20.0
Phenanthrene, 1-m...	12.88	19.0	ng	567644	4	12.23	597665	20.0
1H-Indene, 2-phenyl-	12.94	9.9	ng	296594	4	12.23	597665	20.0
4H-Cyclopenta[def...	12.97	22.6	ng	673976	4	12.23	597665	20.0
2-Phenylnaphthalene	13.22	16.1	ng	480970	4	12.23	597665	20.0
Phenanthrene, 2,5...	13.53	16.0	ng	477656	4	12.23	597665	20.0
Cyclopenta(def)ph...	13.62	11.9	ng	355035	4	12.23	597665	20.0
Benz(A)anthracene...	16.35	9.6	ng	273398	6	17.17	572028	20.0
Dinaphtho[1,2-b:1...	16.96	15.5	ng	444122	6	17.17	572028	20.0
11H-Indeno[2,1-a]...	17.34	11.9	ng	341094	6	17.17	572028	20.0
1,2:7,8-Dibenzoph...	18.48	15.1	ng	430748	6	17.17	572028	20.0
3,4:9,10-Dibenzop...	20.45	16.4	ng	467605	6	17.17	572028	20.0
Coronene	21.18	31.6	ng	903646	6	17.17	572028	20.0