

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078514.D
 Acq On : 14 Apr 2015 22:23
 Operator : TP/IZ
 Sample : G1828-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02C

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	1.598	33	36	69	rVB	833544	1861058	100.00%	7.996%
2	4.444	283	285	292	rBV	40530	60082	3.23%	0.258%
3	6.410	455	457	465	rBV	57510	62416	3.35%	0.268%
4	6.513	465	466	469	rBV	31872	44460	2.39%	0.191%
5	6.799	489	491	494	rVB	89818	96586	5.19%	0.415%
6	7.507	551	553	555	rBV	49730	46981	2.52%	0.202%
7	8.387	627	630	634	rVB2	104624	181860	9.77%	0.781%
8	9.725	745	747	750	rVB	69286	79484	4.27%	0.341%
9	10.536	816	818	820	rBV	183894	182194	9.79%	0.783%
10	10.582	820	822	824	rVB	64970	70249	3.77%	0.302%
11	10.799	839	841	843	rBV	52809	67403	3.62%	0.290%
12	11.211	875	877	880	rVB	106692	124789	6.71%	0.536%
13	11.519	902	904	906	rBV	65953	91908	4.94%	0.395%
14	12.068	948	952	955	rBV2	17060	48212	2.59%	0.207%
15	12.194	962	963	965	rBV	43185	52083	2.80%	0.224%
16	12.228	965	966	968	rVB	53209	64915	3.49%	0.279%
17	12.365	975	978	979	rBV	198671	224898	12.08%	0.966%
18	12.399	979	981	983	rVV	1151672	1284807	69.04%	5.520%
19	12.456	983	986	988	rVV	379083	392225	21.08%	1.685%
20	12.502	988	990	993	rVV	52110	65310	3.51%	0.281%
21	12.628	999	1001	1003	rVB	54128	54304	2.92%	0.233%
22	12.674	1003	1005	1007	rBV	234412	232229	12.48%	0.998%
23	12.754	1010	1012	1013	rVV	37392	39321	2.11%	0.169%
24	12.811	1016	1017	1021	rVV4	21335	45368	2.44%	0.195%
25	12.994	1030	1033	1034	rVV	174222	203508	10.94%	0.874%
26	13.028	1034	1036	1039	rVV	230986	304743	16.37%	1.309%
27	13.085	1039	1041	1042	rVV	98435	126261	6.78%	0.542%
28	13.119	1042	1044	1045	rVV	289490	328796	17.67%	1.413%
29	13.154	1045	1047	1051	rVV2	132089	197472	10.61%	0.848%
30	13.234	1051	1054	1055	rVV	40948	71218	3.83%	0.306%
31	13.268	1055	1057	1060	rVV2	37995	87420	4.70%	0.376%
32	13.325	1060	1062	1064	rVV3	39813	71786	3.86%	0.308%
33	13.371	1064	1066	1070	rVV2	128795	266462	14.32%	1.145%
34	13.451	1071	1073	1075	rVV	30114	60044	3.23%	0.258%

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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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.542	1079	1081	1083	rVV	50557	88946	4.78%	0.382%
36	13.588	1083	1085	1086	rVV	54888	66809	3.59%	0.287%
37	13.622	1086	1088	1090	rVV2	34751	61765	3.32%	0.265%
38	13.679	1090	1093	1095	rVV	84191	146479	7.87%	0.629%
39	13.714	1095	1096	1100	rVV2	61775	132196	7.10%	0.568%
40	13.782	1100	1102	1106	rVB3	52336	103326	5.55%	0.444%
41	13.862	1106	1109	1111	rBV	1405216	1398370	75.14%	6.008%
42	14.034	1122	1124	1126	rBV2	83664	104021	5.59%	0.447%
43	14.137	1130	1133	1135	rBV2	1149824	1515366	81.42%	6.510%
44	14.205	1137	1139	1140	rVV	89143	97268	5.23%	0.418%
45	14.239	1140	1142	1145	rVB	147164	175939	9.45%	0.756%
46	14.297	1145	1147	1148	rBV	122640	127534	6.85%	0.548%
47	14.354	1148	1152	1154	rVB2	458413	551226	29.62%	2.368%
48	14.422	1154	1158	1160	rBV2	86666	174139	9.36%	0.748%
49	14.525	1163	1167	1168	rVV4	104358	210901	11.33%	0.906%
50	14.548	1168	1169	1171	rVB	265552	278263	14.95%	1.195%
51	14.639	1174	1177	1178	rVV	202078	286408	15.39%	1.230%
52	14.674	1178	1180	1182	rVV2	196626	272495	14.64%	1.171%
53	14.754	1185	1187	1188	rVV2	40702	54086	2.91%	0.232%
54	14.788	1188	1190	1191	rVV	70110	94638	5.09%	0.407%
55	14.822	1191	1193	1200	rVB3	74187	185196	9.95%	0.796%
56	15.051	1209	1213	1214	rBV2	36709	77795	4.18%	0.334%
57	15.085	1214	1216	1219	rVB	76453	91491	4.92%	0.393%
58	15.177	1219	1224	1228	rBV4	54892	160115	8.60%	0.688%
59	15.314	1233	1236	1237	rBV	82851	107222	5.76%	0.461%
60	15.348	1237	1239	1242	rVV2	135331	237237	12.75%	1.019%
61	15.405	1242	1244	1246	rVV2	90582	132833	7.14%	0.571%
62	15.440	1246	1247	1251	rVB3	42172	65783	3.53%	0.283%
63	15.554	1251	1257	1259	rBV2	41145	131137	7.05%	0.563%
64	15.622	1259	1263	1265	rVV2	755889	1294935	69.58%	5.563%
65	15.668	1265	1267	1269	rVV	668301	822144	44.18%	3.532%
66	15.702	1269	1270	1272	rVB2	53258	54672	2.94%	0.235%
67	15.760	1272	1275	1277	rBV	118040	145180	7.80%	0.624%
68	15.817	1277	1280	1281	rVV2	21196	42238	2.27%	0.181%
69	15.897	1284	1287	1289	rVB	133744	169126	9.09%	0.727%
70	15.942	1289	1291	1298	rVB	108496	177115	9.52%	0.761%
71	16.091	1301	1304	1306	rVV2	34173	62023	3.33%	0.266%

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Integration Parameters: rteint.p
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 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
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 Stop Thrs : 0 Peak Location: TOP

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72	16.137	1306	1308	1310	rVV	143677	224783	12.08%	0.966%
73	16.183	1310	1312	1315	rVV	81333	95792	5.15%	0.412%
74	16.251	1315	1318	1320	rVV2	72034	143364	7.70%	0.616%
75	16.320	1320	1324	1326	rVB3	70643	158602	8.52%	0.681%
76	16.365	1326	1328	1329	rBV2	32024	44969	2.42%	0.193%
77	16.411	1329	1332	1336	rVB2	60094	113511	6.10%	0.488%
78	16.548	1340	1344	1346	rBV3	49394	109517	5.88%	0.471%
79	16.765	1360	1363	1365	rBV	32454	53483	2.87%	0.230%
80	16.948	1376	1379	1384	rBV	505258	1208484	64.94%	5.192%
81	17.063	1384	1389	1391	rVB2	134352	213166	11.45%	0.916%
82	17.188	1397	1400	1402	rBV	63609	144108	7.74%	0.619%
83	17.268	1405	1407	1410	rBV	295246	377066	20.26%	1.620%
84	17.337	1410	1413	1416	rVB	516602	629289	33.81%	2.704%
85	17.394	1416	1418	1420	rBV	182642	287373	15.44%	1.235%
86	17.623	1431	1438	1442	rBV2	60940	291942	15.69%	1.254%
87	17.714	1442	1446	1448	rBV2	34846	88088	4.73%	0.378%
88	17.828	1453	1456	1457	rBV	26499	46220	2.48%	0.199%
89	17.863	1457	1459	1462	rVV2	19799	52141	2.80%	0.224%
90	17.920	1462	1464	1466	rVB	41684	59376	3.19%	0.255%
91	18.411	1502	1507	1512	rVB4	35888	132691	7.13%	0.570%
92	18.526	1514	1517	1520	rBV2	73963	136528	7.34%	0.587%
93	18.663	1526	1529	1533	rVB2	203238	390871	21.00%	1.679%
94	18.743	1533	1536	1539	rVB	28905	59363	3.19%	0.255%
95	18.811	1539	1542	1544	rBV	77921	141067	7.58%	0.606%
96	18.857	1544	1546	1554	rVB4	65021	178277	9.58%	0.766%
97	19.006	1556	1559	1564	rBV	147318	292254	15.70%	1.256%
98	19.200	1571	1576	1582	rVB3	66755	211019	11.34%	0.907%
99	20.777	1710	1714	1722	rVB	56673	173266	9.31%	0.744%
100	20.926	1722	1727	1730	rBV2	42539	132080	7.10%	0.567%

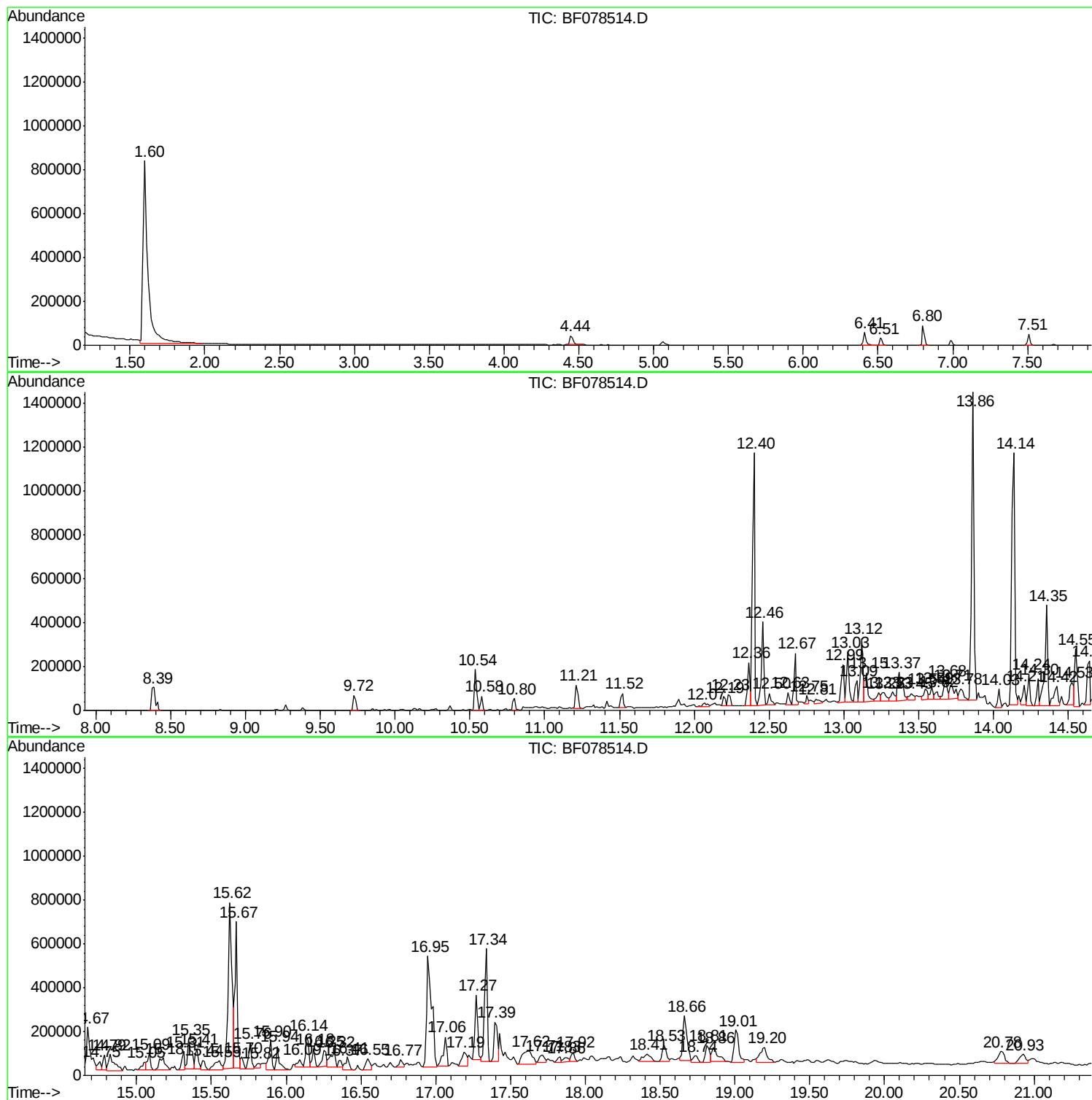
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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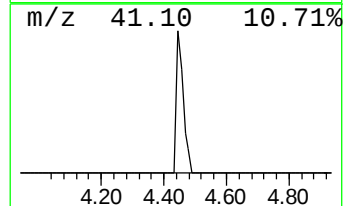
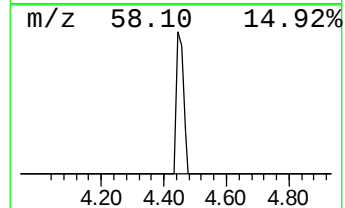
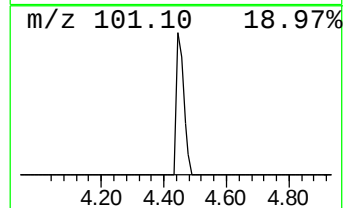
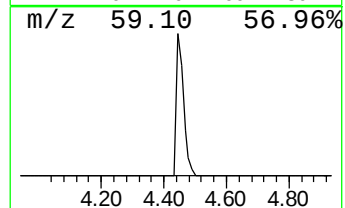
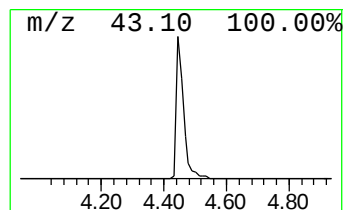
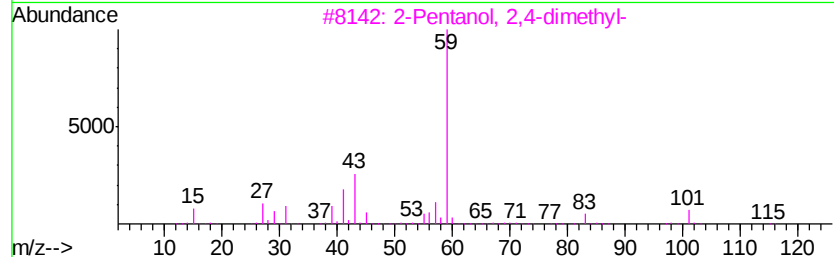
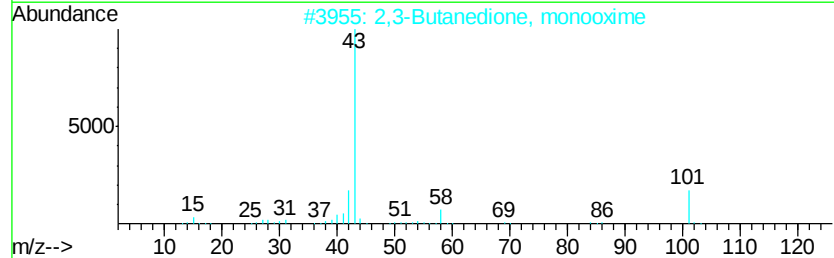
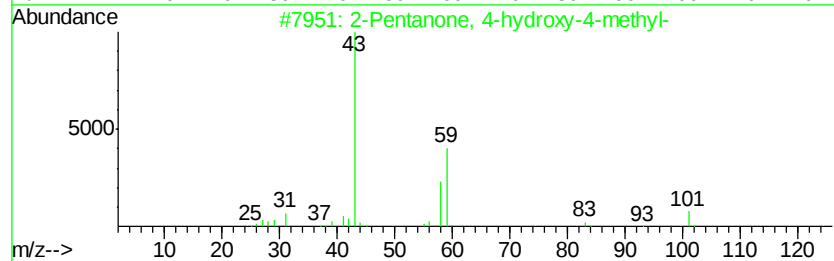
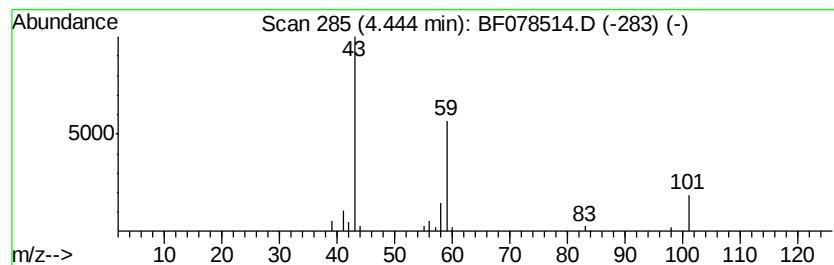
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.44	12.44 ng	60082	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3		2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9
4		3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9



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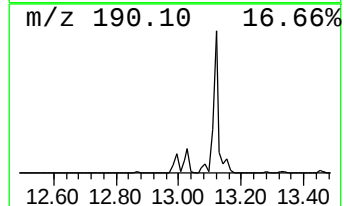
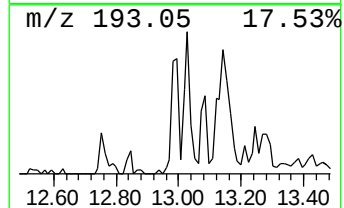
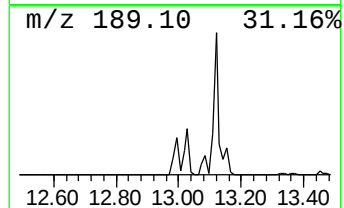
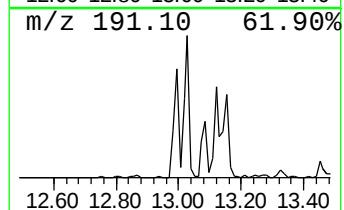
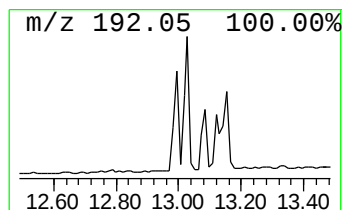
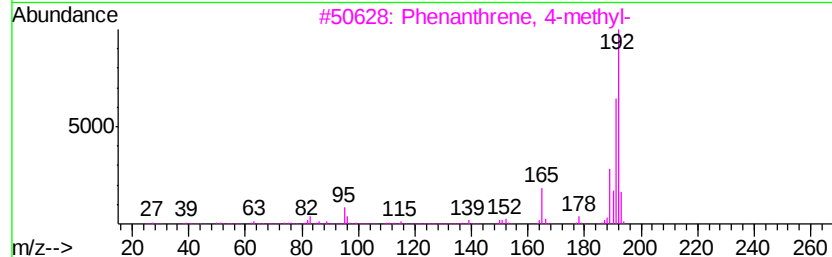
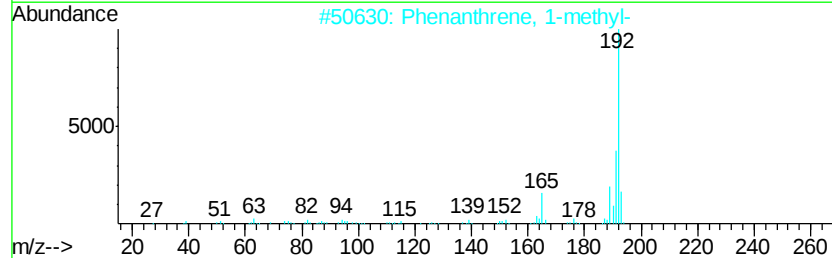
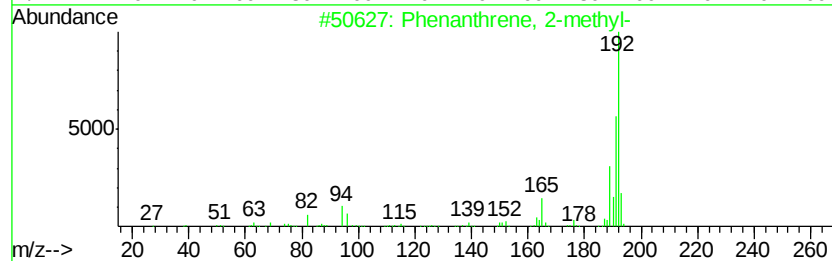
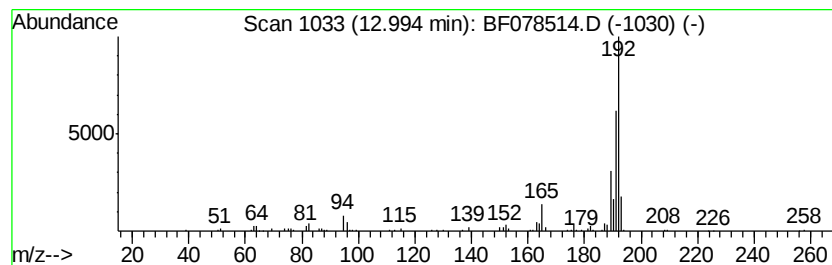
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	18.10 ng	203508	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



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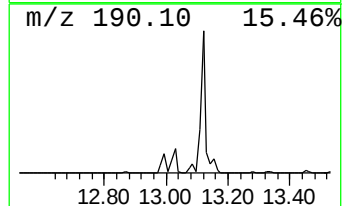
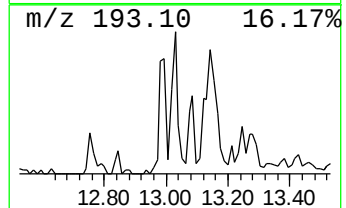
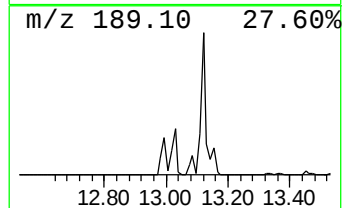
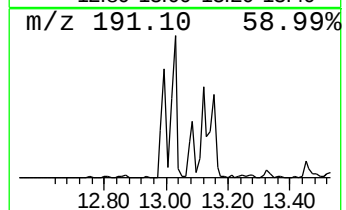
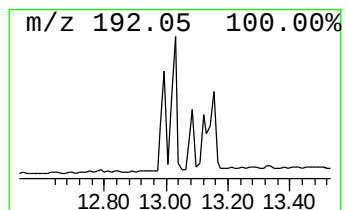
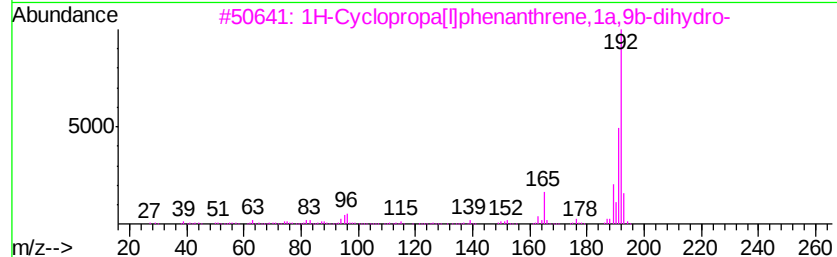
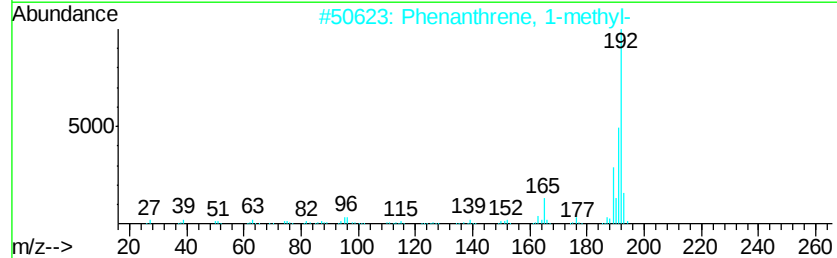
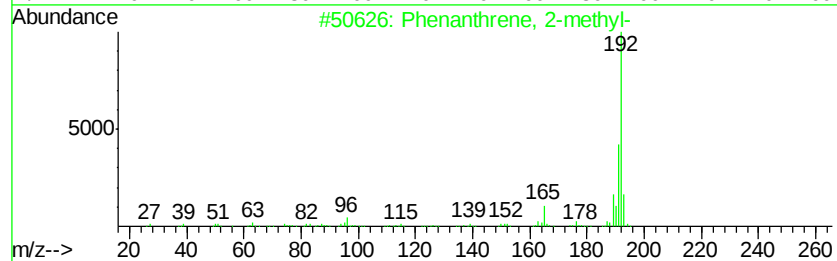
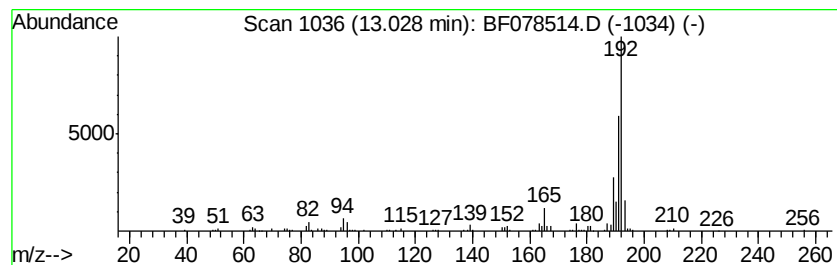
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	27.10 ng	304743	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
Operator : TP/IZ
Sample : G1828-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

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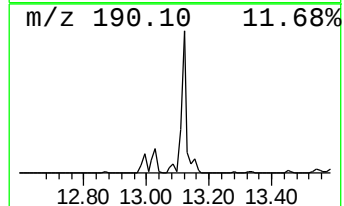
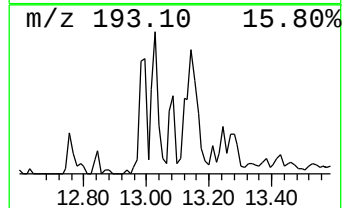
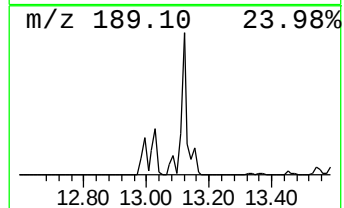
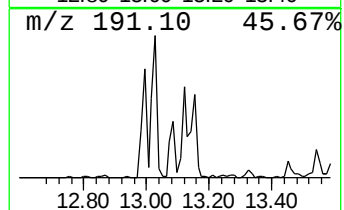
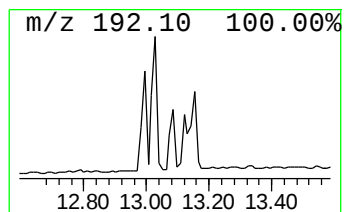
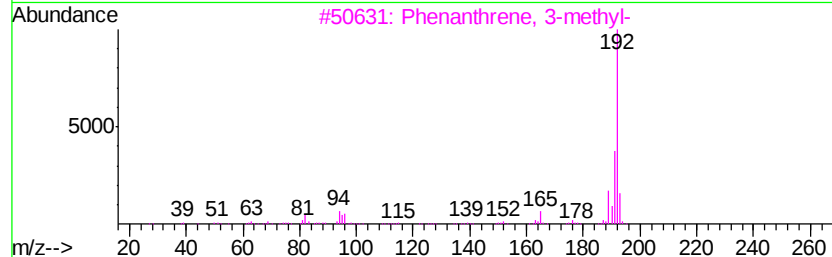
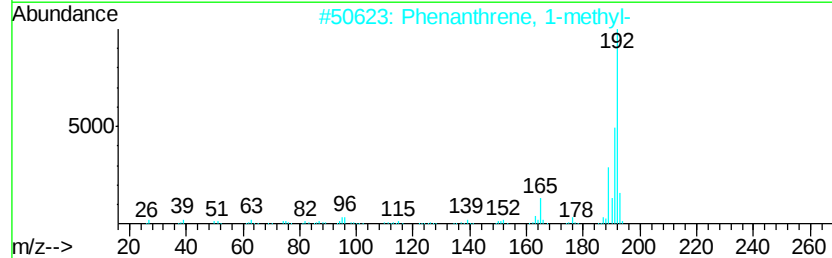
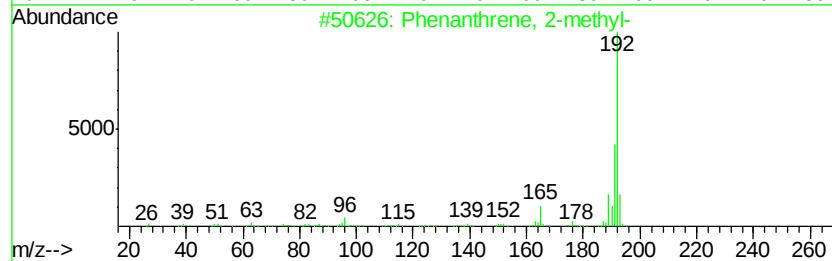
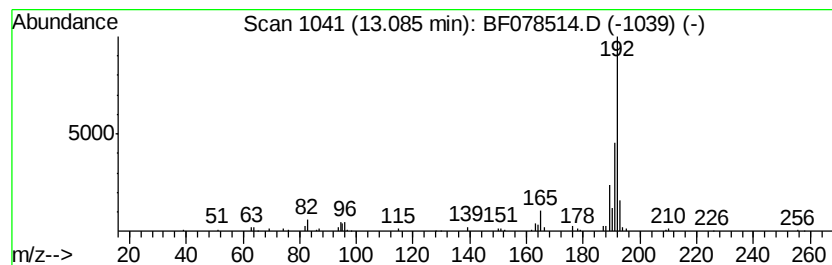
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	11.23 ng	126261	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		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
Operator : TP/IZ
Sample : G1828-11
Misc :
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Instrument :
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ClientSampleId :
HS-SB02C

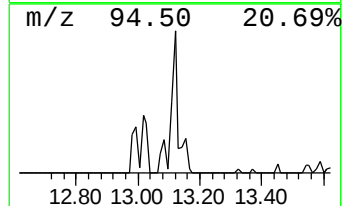
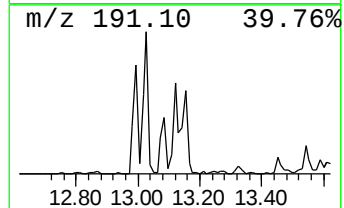
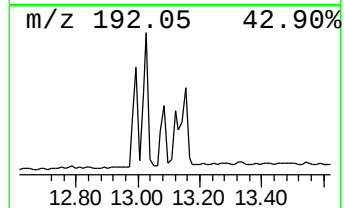
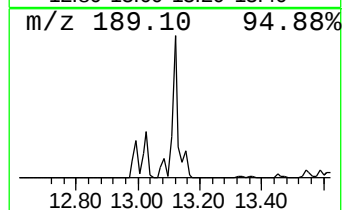
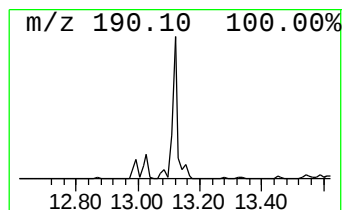
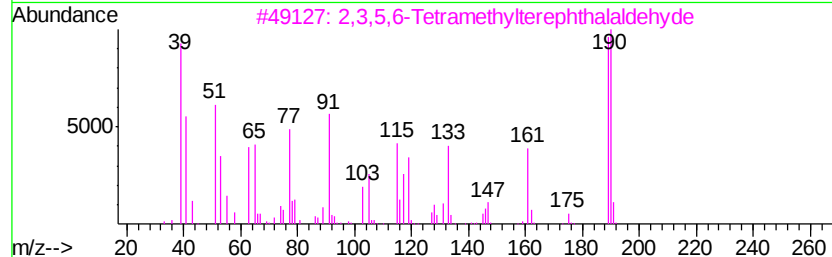
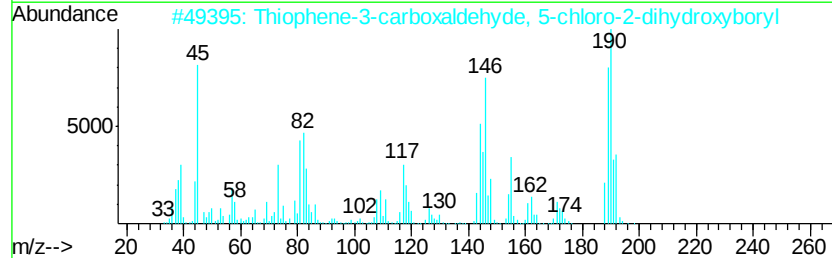
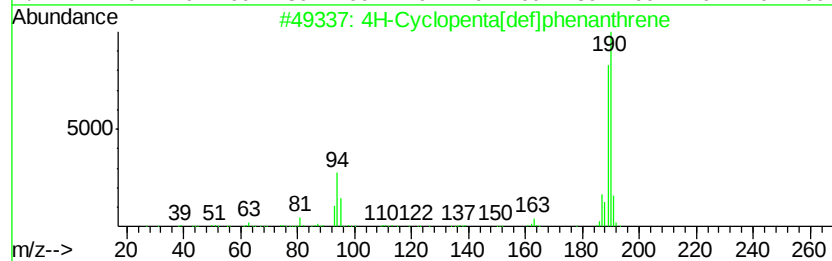
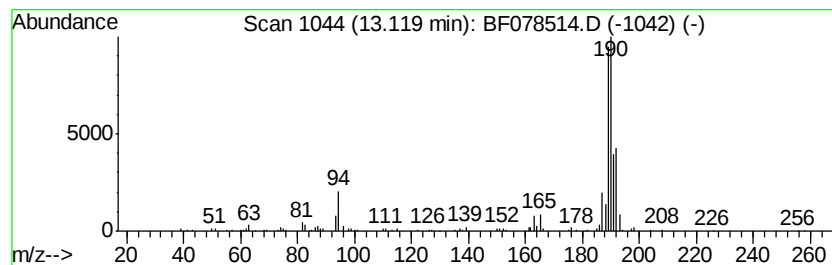
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	29.24 ng	328796	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
Operator : TP/IZ
Sample : G1828-11
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ClientSampleId :
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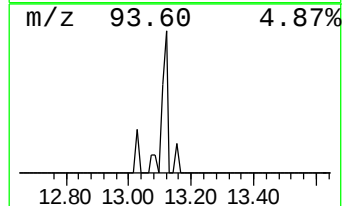
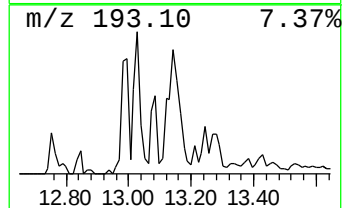
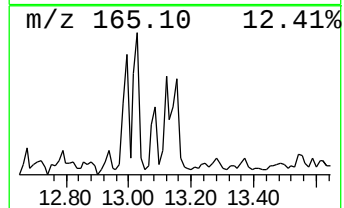
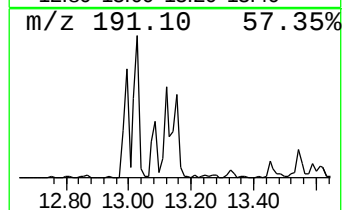
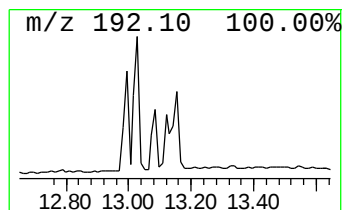
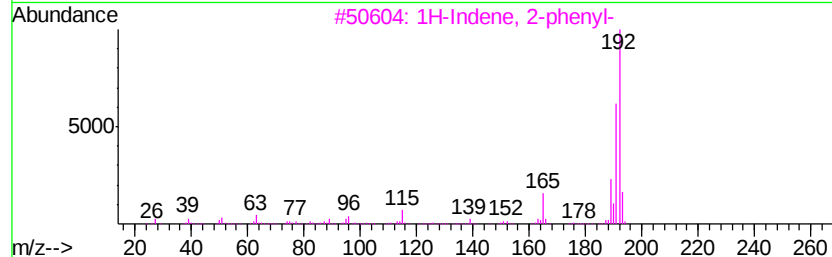
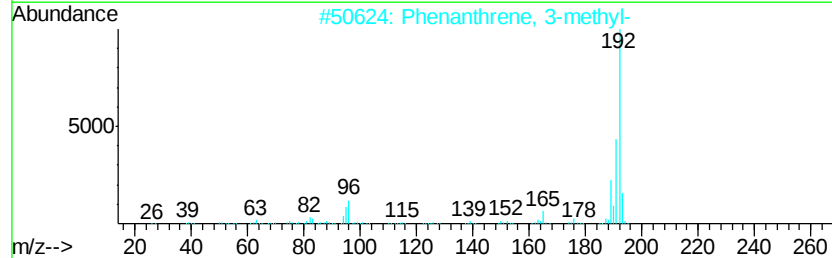
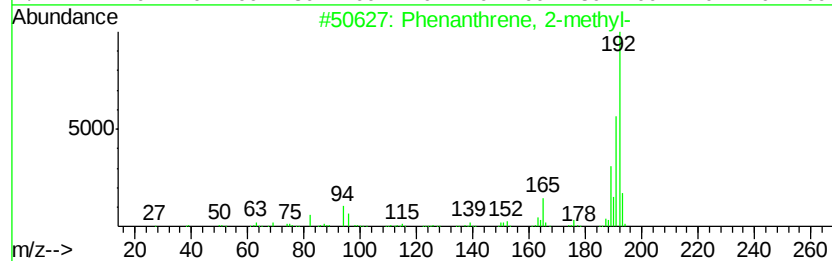
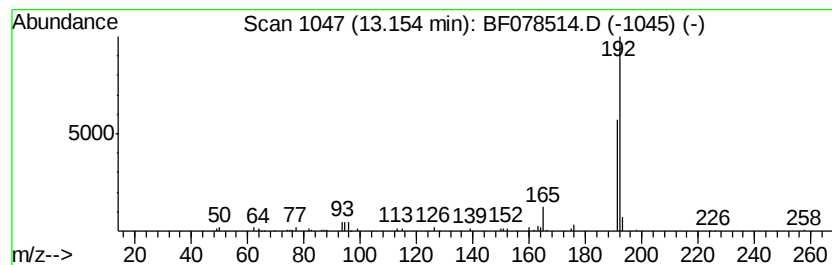
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	17.56 ng	197472	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
Operator : TP/IZ
Sample : G1828-11
Misc :
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Instrument :
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ClientSampleId :
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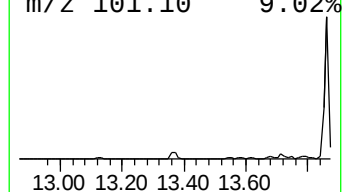
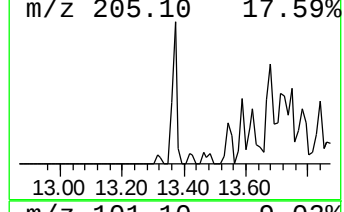
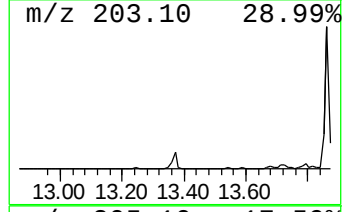
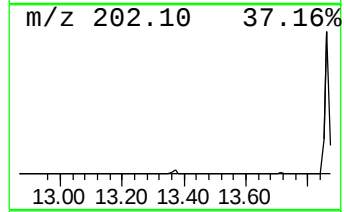
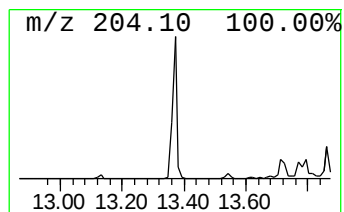
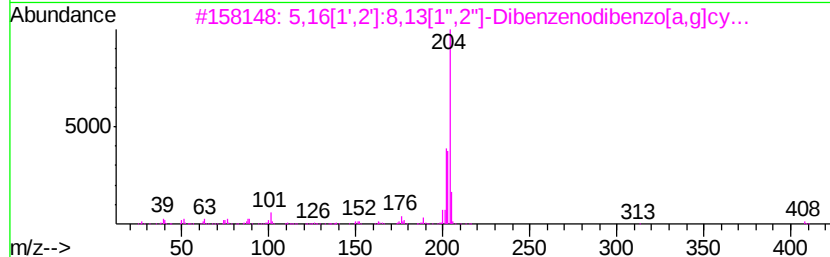
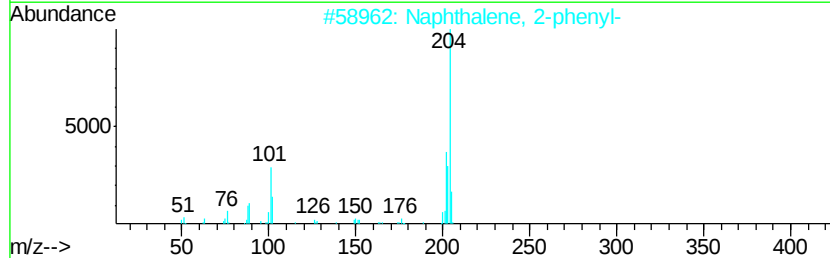
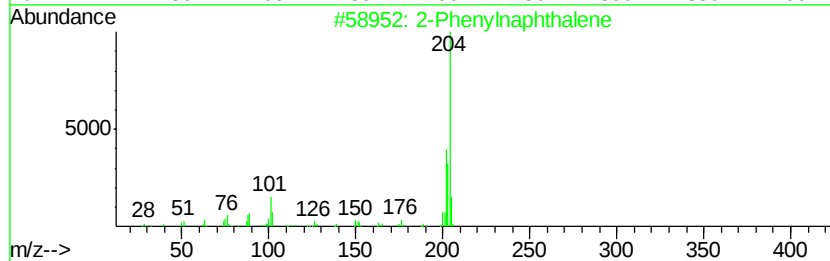
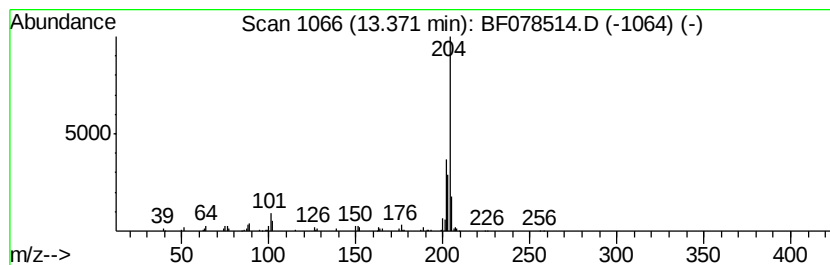
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2-Phenylnaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	23.70 ng	266462	Phenanthrene-d10	12.37

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	95
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	87
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
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Sample : G1828-11
Misc :
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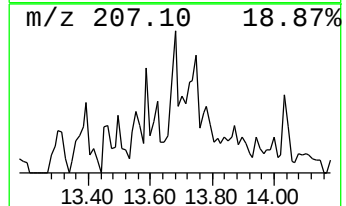
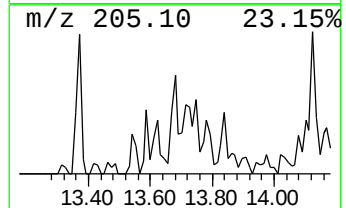
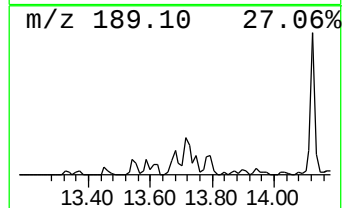
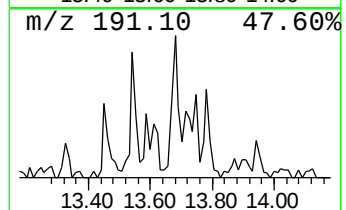
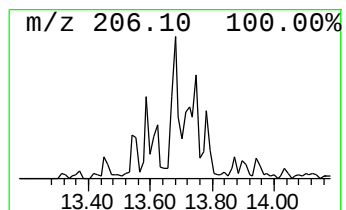
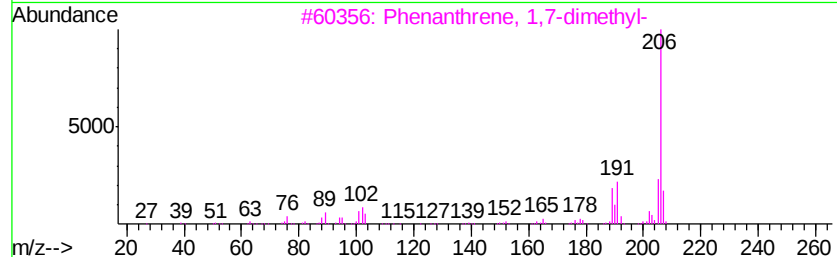
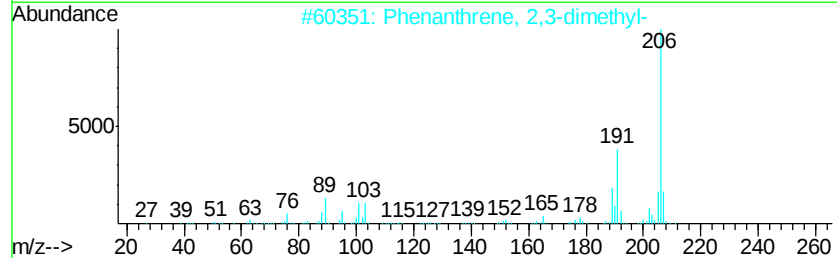
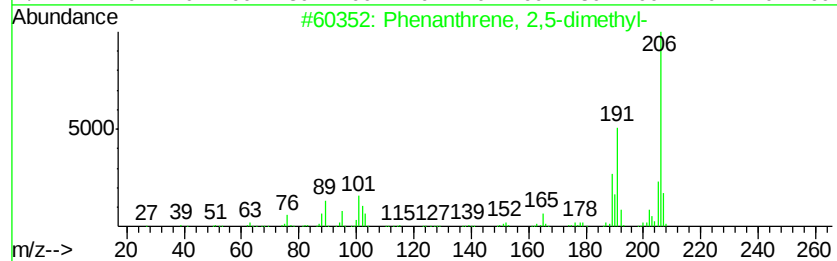
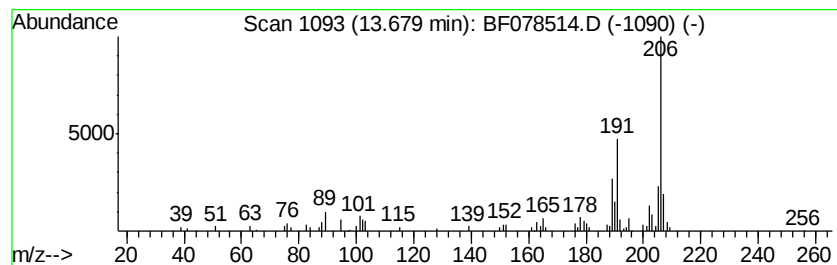
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	13.03 ng	146479	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
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Sample : G1828-11
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ClientSampleId :
HS-SB02C

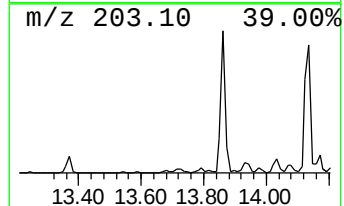
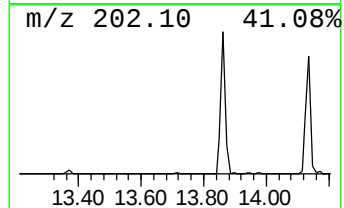
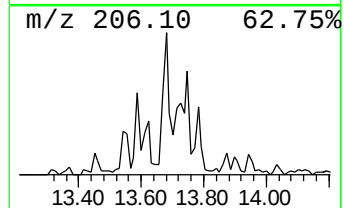
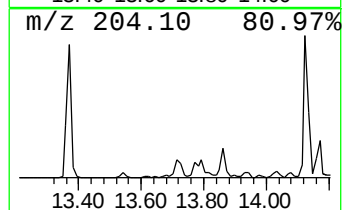
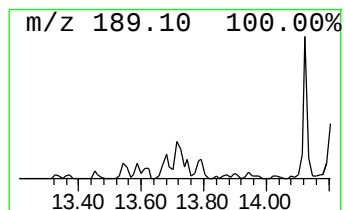
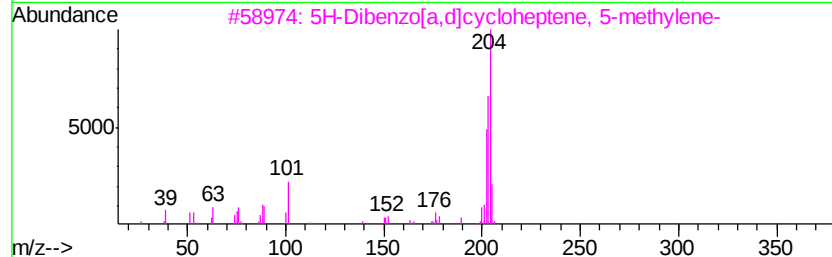
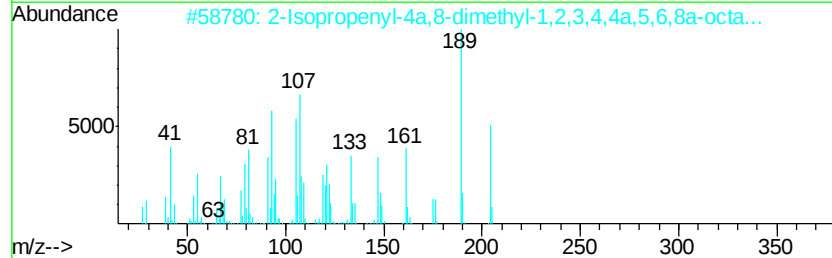
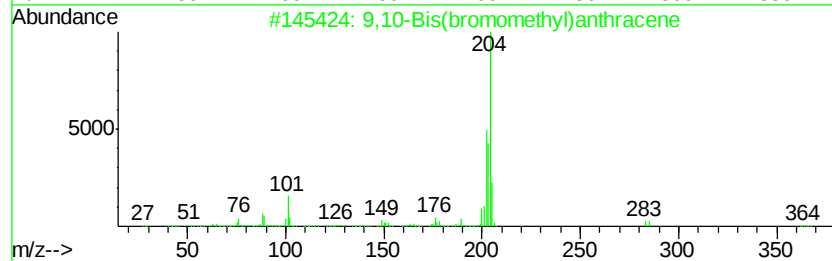
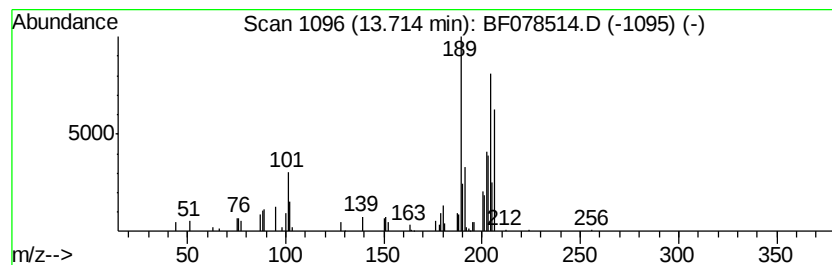
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown13.71 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	11.76 ng	132196	Phenanthrene-d10	12.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38		
2	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	35		
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25		
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	25		
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	22		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
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Acq On : 14 Apr 2015 22:23
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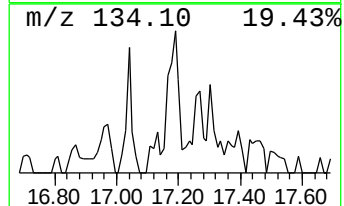
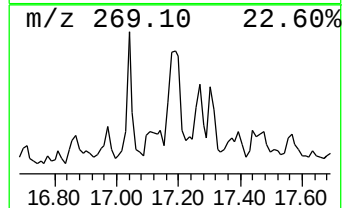
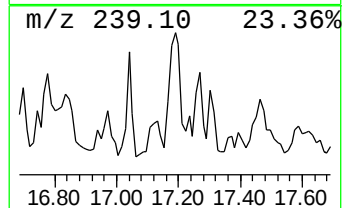
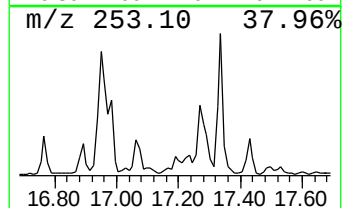
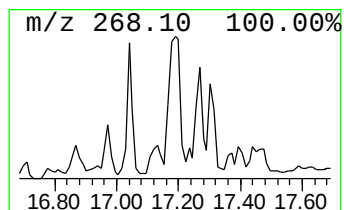
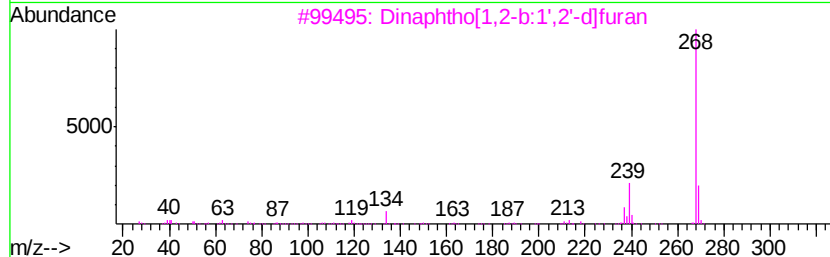
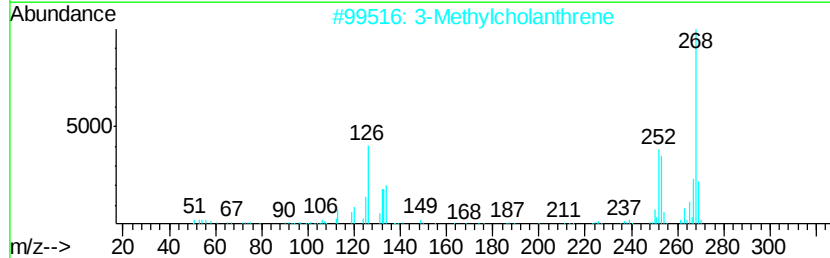
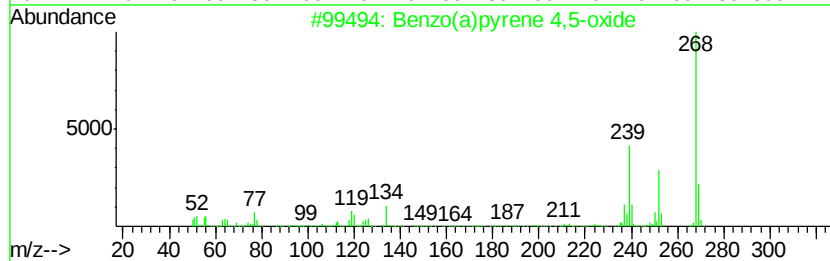
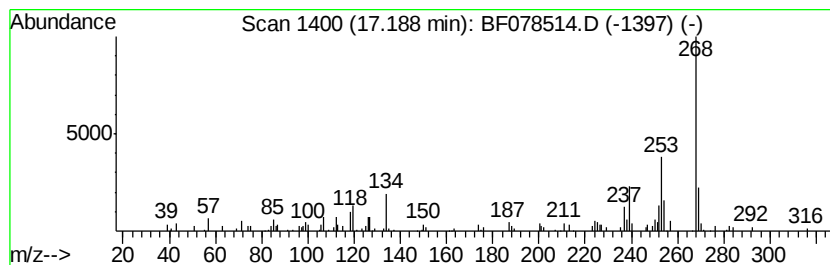
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo(a)pyrene 4,5-oxide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.19	10.03 ng	144108	Perylene-d12	17.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
2		3-Methylcholanthrene	268	C21H16	000056-49-5	59
3		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
4		9-Methyl-10-phenylanthracene	268	C21H16	013425-08-6	58
5		4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
Operator : TP/IZ
Sample : G1828-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB02C

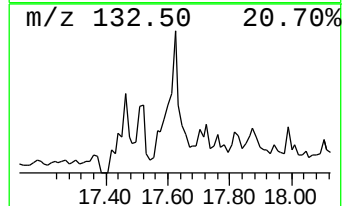
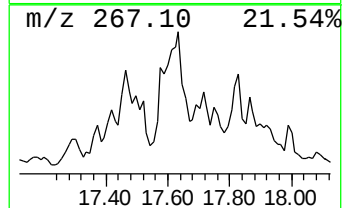
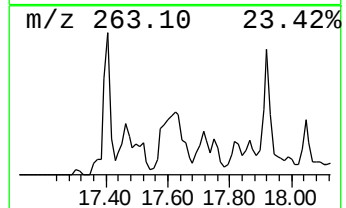
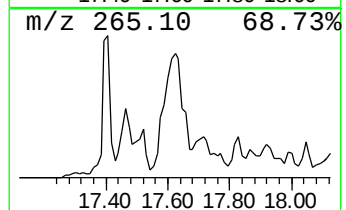
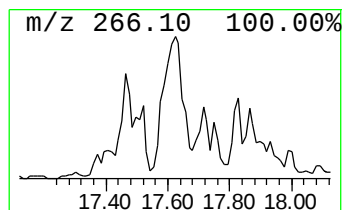
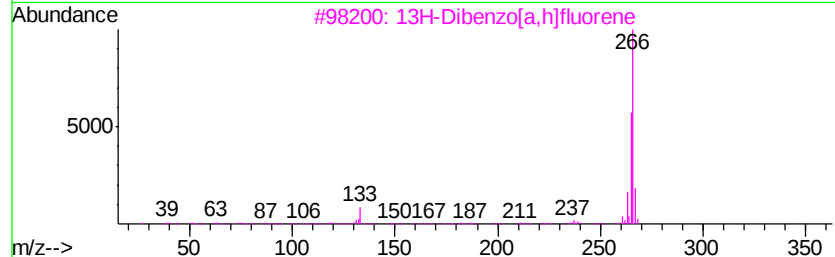
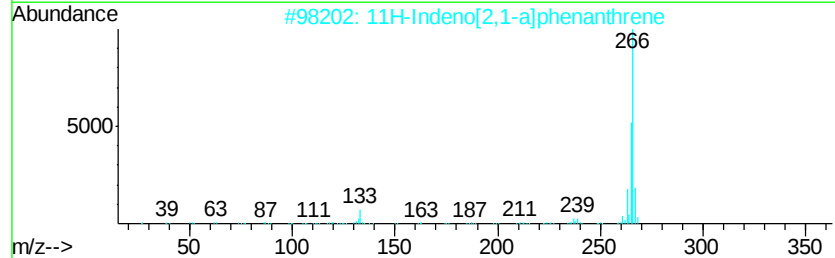
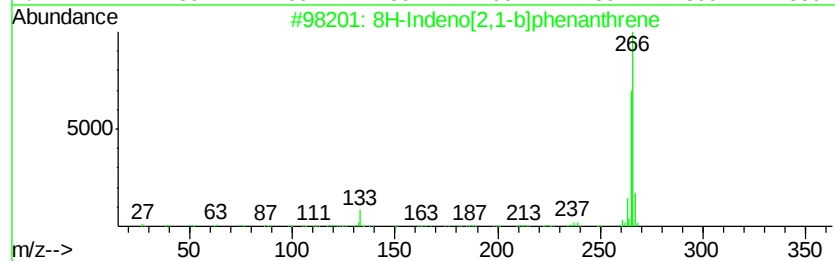
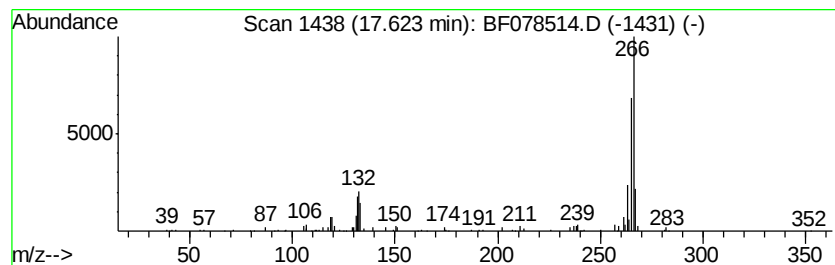
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 8H-Indeno[2,1-b]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	20.32 ng	291942	Perylene-d12	17.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	76
2		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	76
3		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	76
4		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	59
5		Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
Operator : TP/IZ
Sample : G1828-11
Misc :
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ClientSampleId :
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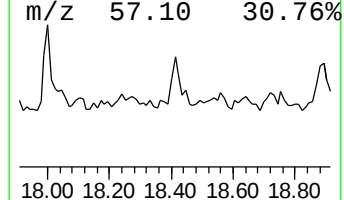
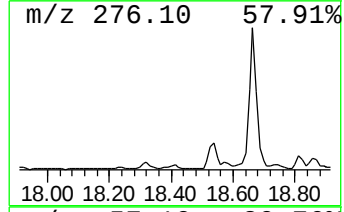
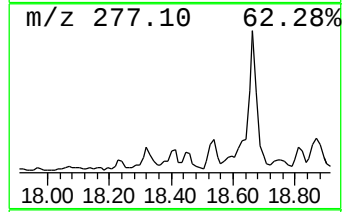
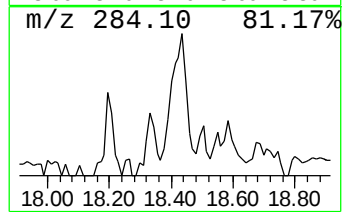
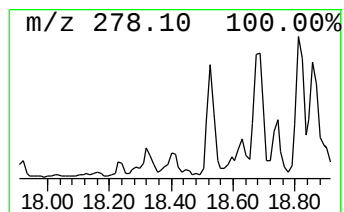
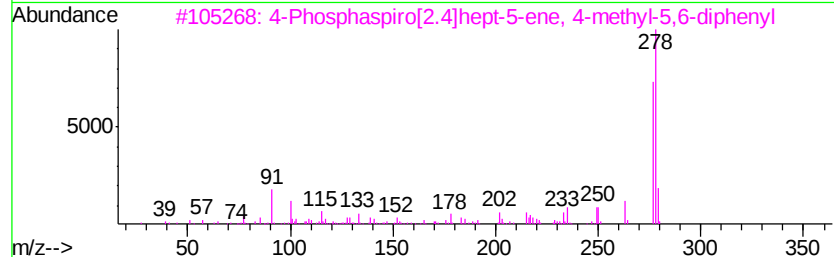
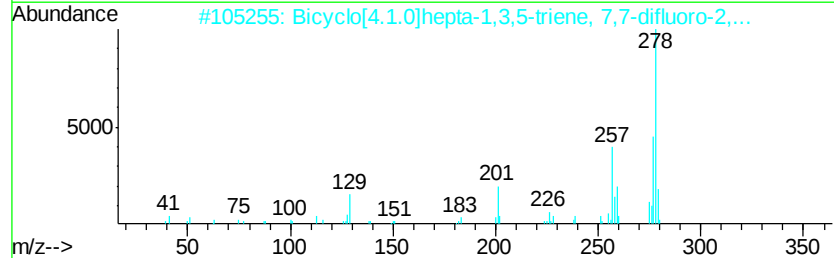
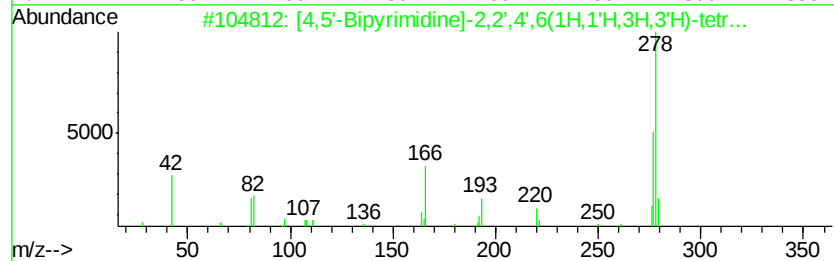
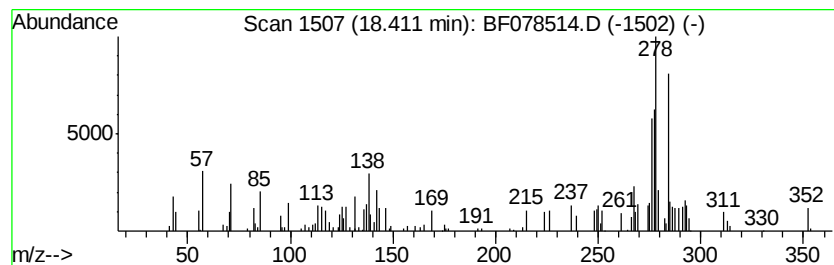
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown18.41 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	9.23 ng	132691	Perylene-d12	17.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[4,5'-Bipyrimidine]-2,2',4',6(1H...	278	C12H14N4O4	062880-87-9	38
2		Bicyclo[4.1.0]hepta-1,3,5-triene...	278	C19H12F2	052326-84-8	38
3		4-Phosphaspiro[2.4]hept-5-ene, 4...	278	C19H19P	1000161-67-8	38
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	35
5		17H-Cyclopenta[a]phenanthren-17-...	278	C19H18O2	056614-59-6	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
Operator : TP/IZ
Sample : G1828-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

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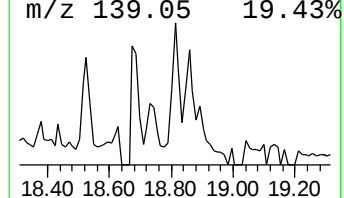
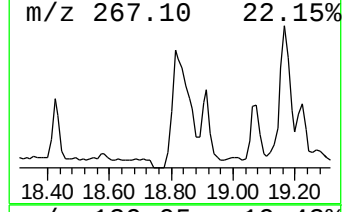
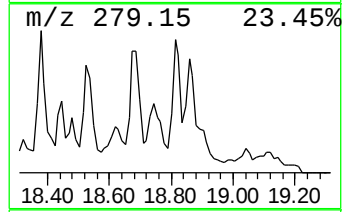
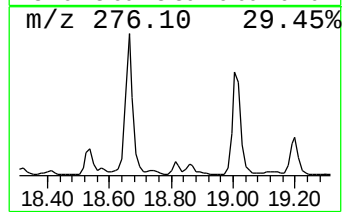
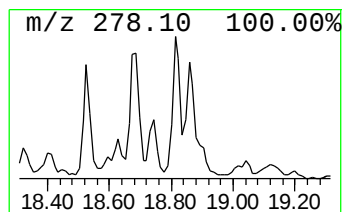
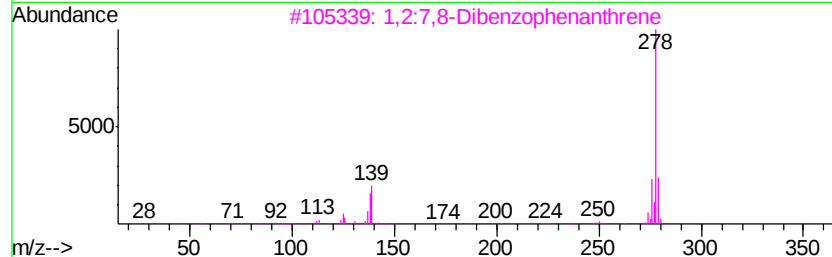
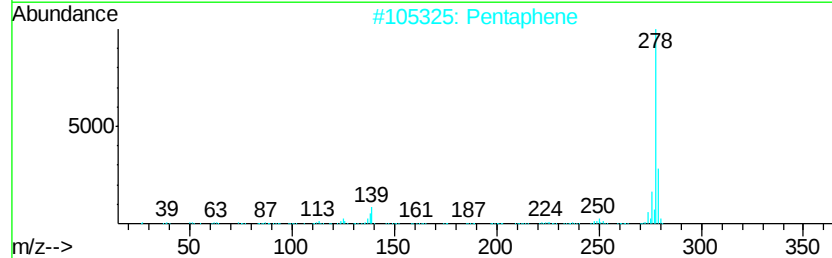
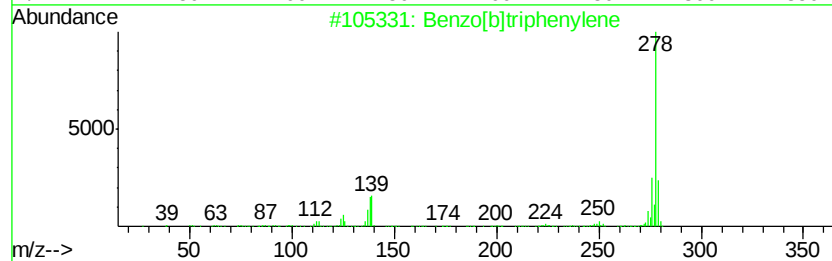
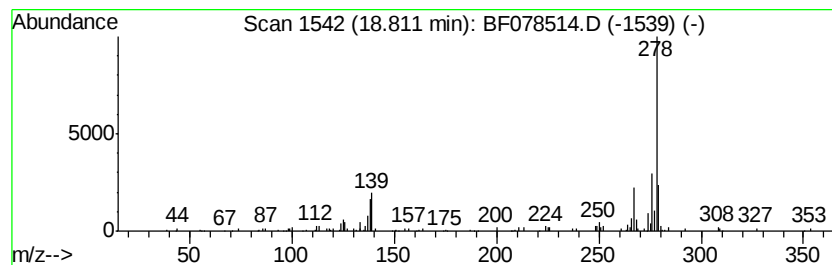
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	9.82 ng	141067	Perylene-d12	17.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2			Pentaphene	278	C22H14	000222-93-5	97
3			1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
4			Benzo[b]chrysene	278	C22H14	000214-17-5	95
5			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078514.D
Acq On : 14 Apr 2015 22:23
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Sample : G1828-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

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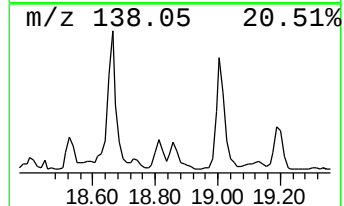
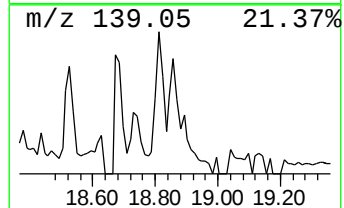
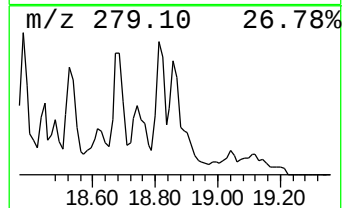
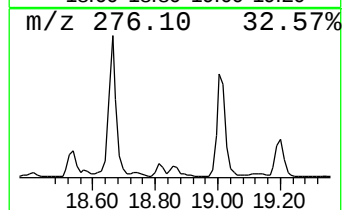
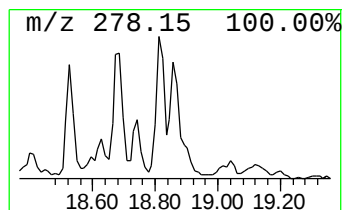
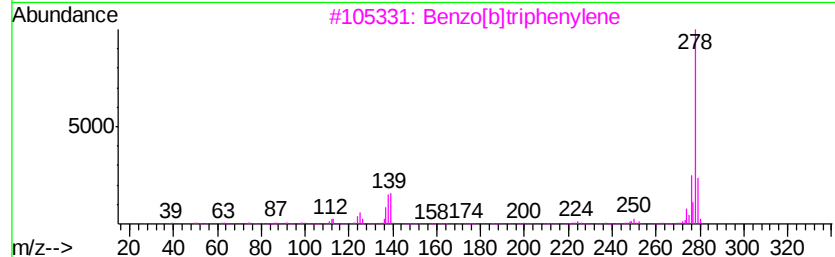
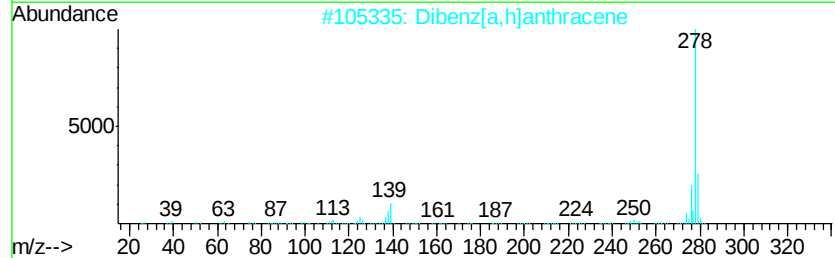
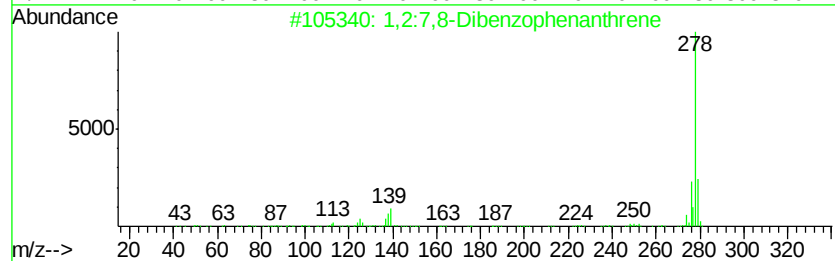
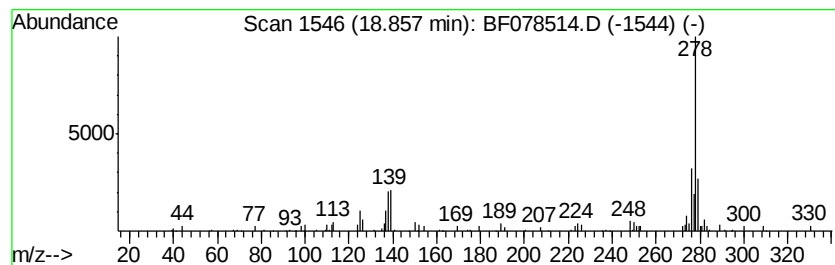
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,2:7,8-Dibenzophenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	12.41 ng	178277	Perylene-d12	17.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	91
4		Pentaphene	278	C22H14	000222-93-5	86
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
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Acq On : 14 Apr 2015 22:23
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Misc :
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ClientSampleId :
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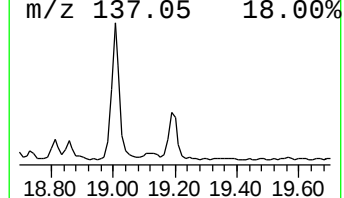
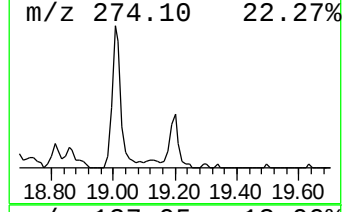
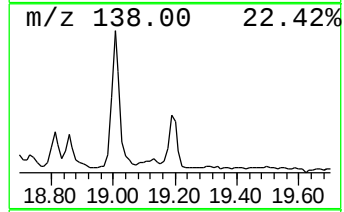
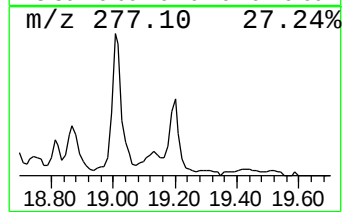
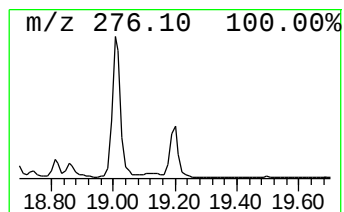
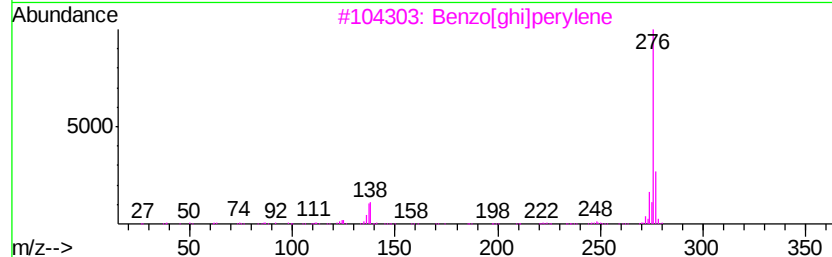
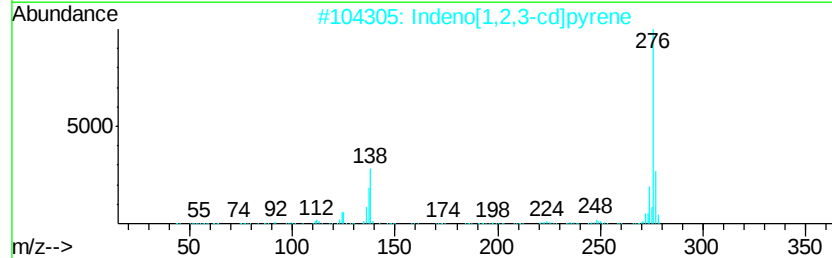
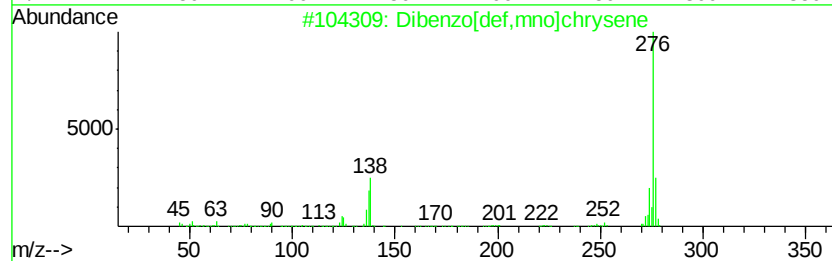
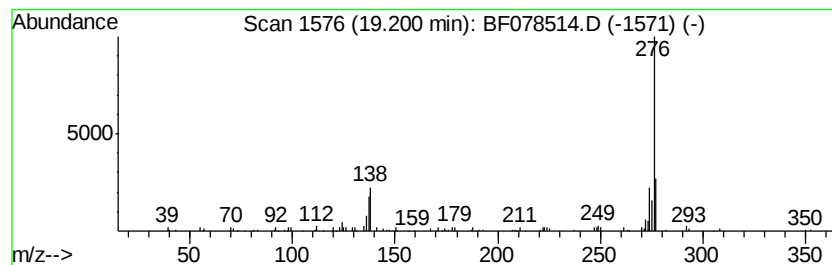
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	14.69 ng	211019	Perylene-d12	17.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3		Benzo[ghi]perylene	276	C22H12	000191-24-2	91
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5		2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
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 Acq On : 14 Apr 2015 22:23
 Operator : TP/IZ
 Sample : G1828-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
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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
2-Pentanone, 4-hy...	4.44	12.4	ng	60082	1	6.80	96586	20.0
Phenanthrene, 2-m...	12.99	18.1	ng	203508	4	12.37	224898	20.0
Phenanthrene, 1-m...	13.03	27.1	ng	304743	4	12.37	224898	20.0
Phenanthrene, 3-m...	13.09	11.2	ng	126261	4	12.37	224898	20.0
4H-Cyclopenta[def...	13.12	29.2	ng	328796	4	12.37	224898	20.0
1H-Indene, 2-phenyl-	13.15	17.6	ng	197472	4	12.37	224898	20.0
2-Phenylnaphthalene	13.37	23.7	ng	266462	4	12.37	224898	20.0
Phenanthrene, 2,5...	13.68	13.0	ng	146479	4	12.37	224898	20.0
unknown13.71	13.71	11.8	ng	132196	4	12.37	224898	20.0
Benzo(a)pyrene 4,...	17.19	10.0	ng	144108	6	17.41	287373	20.0
8H-Indeno[2,1-b]p...	17.62	20.3	ng	291942	6	17.41	287373	20.0
unknown18.41	18.41	9.2	ng	132691	6	17.41	287373	20.0
Benzo[b]triphenylene	18.81	9.8	ng	141067	6	17.41	287373	20.0
1,2:7,8-Dibenzoph...	18.86	12.4	ng	178277	6	17.41	287373	20.0
Dibenzo[def,mno]c...	19.20	14.7	ng	211019	6	17.41	287373	20.0