

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
 Data File : BF083575.D
 Acq On : 8 Dec 2015 00:27
 Operator : UM/IZ
 Sample : G4579-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALL

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-BF120415.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	3.996	200	202	216	rBV	563443	1038996	1.79%	0.193%
2	5.287	313	315	324	rBV	599835	1106886	1.90%	0.205%
3	5.413	324	326	332	rVB	784691	1089919	1.87%	0.202%
4	5.721	350	353	360	rVB	592146	760480	1.31%	0.141%
5	5.939	369	372	379	rVB	624814	857667	1.47%	0.159%
6	6.087	382	385	393	rVV	384415	743028	1.28%	0.138%
7	6.544	422	425	432	rBV	494378	616712	1.06%	0.114%
8	7.619	516	519	523	rBV	743527	961816	1.65%	0.178%
9	9.368	669	672	675	rVB	880930	1237437	2.13%	0.229%
10	10.179	740	743	750	rVV	773014	1162644	2.00%	0.216%
11	10.408	759	763	766	rBV	720334	1103453	1.90%	0.205%
12	10.751	790	793	795	rBV	479497	721818	1.24%	0.134%
13	11.311	838	842	846	rVB	1738672	2832600	4.87%	0.525%
14	11.699	874	876	881	rVV2	743075	1467072	2.52%	0.272%
15	12.214	916	921	926	rBV3	611605	1731428	2.98%	0.321%
16	12.294	926	928	934	rVB2	508672	1119555	1.92%	0.208%
17	12.431	938	940	942	rBV	581632	948340	1.63%	0.176%
18	12.568	945	952	954	rVB	3431408	10862136	18.67%	2.014%
19	12.648	954	959	963	rVB	2075434	4150437	7.13%	0.770%
20	12.945	970	985	987	rBV	10933929	58171223	100.00%	10.788%
21	13.059	987	995	998	rVB	11114926	51411341	88.38%	9.535%
22	13.117	998	1000	1002	rVB	1122815	1143264	1.97%	0.212%
23	13.162	1002	1004	1006	rVB	718269	822153	1.41%	0.152%
24	13.208	1006	1008	1010	rBV	1632388	2616000	4.50%	0.485%
25	13.345	1010	1020	1023	rBV	7656032	31373467	53.93%	5.818%
26	13.448	1026	1029	1031	rBV2	712200	1070980	1.84%	0.199%
27	13.528	1033	1036	1043	rVB2	923918	2516359	4.33%	0.467%
28	13.677	1043	1049	1051	rBV2	3637880	7798949	13.41%	1.446%
29	13.734	1051	1054	1056	rVB	4282477	6474416	11.13%	1.201%
30	13.802	1057	1060	1061	rBV	1076563	1688082	2.90%	0.313%
31	13.848	1061	1064	1066	rBV	3014534	3661136	6.29%	0.679%
32	13.894	1066	1068	1069	rBV	2478211	2852797	4.90%	0.529%
33	13.928	1069	1071	1075	rVB2	1154101	2233263	3.84%	0.414%
34	13.997	1075	1077	1079	rBV3	434813	981441	1.69%	0.182%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.065	1079	1083	1085	rBV3	599306	1882794	3.24%	0.349%
36	14.168	1088	1092	1094	rVB	3914751	6709674	11.53%	1.244%
37	14.305	1094	1104	1108	rVB	6212313	37297723	64.12%	6.917%
38	14.408	1110	1113	1115	rBV	829454	1609033	2.77%	0.298%
39	14.454	1115	1117	1119	rBV	505600	719560	1.24%	0.133%
40	14.488	1119	1120	1125	rVB	482074	880281	1.51%	0.163%
41	14.568	1125	1127	1129	rBV	507501	960623	1.65%	0.178%
42	14.831	1142	1150	1151	rBV	7447040	21142940	36.35%	3.921%
43	14.991	1162	1164	1169	rVB3	1326947	3478016	5.98%	0.645%
44	15.082	1169	1172	1176	rBV	2981087	5883695	10.11%	1.091%
45	15.208	1176	1183	1184	rVV2	6915928	17906160	30.78%	3.321%
46	15.277	1184	1189	1192	rVV	10081197	39433412	67.79%	7.313%
47	15.334	1192	1194	1199	rVB	2673319	4239674	7.29%	0.786%
48	15.437	1199	1203	1205	rBV	3512032	5799708	9.97%	1.076%
49	15.494	1205	1208	1211	rBV3	1206299	3099724	5.33%	0.575%
50	15.597	1213	1217	1223	rVB2	2384824	5630226	9.68%	1.044%
51	15.722	1223	1228	1229	rBV3	2071244	5497954	9.45%	1.020%
52	15.757	1229	1231	1234	rVB	2667654	4118492	7.08%	0.764%
53	15.848	1237	1239	1242	rBV	842857	1613106	2.77%	0.299%
54	15.917	1242	1245	1249	rBV3	2637807	6637414	11.41%	1.231%
55	16.054	1255	1257	1259	rVB	1130286	1451506	2.50%	0.269%
56	16.100	1259	1261	1263	rBV2	775177	1233656	2.12%	0.229%
57	16.157	1263	1266	1269	rVB2	861827	1687515	2.90%	0.313%
58	16.351	1280	1283	1286	rBV2	1034841	2587552	4.45%	0.480%
59	16.408	1286	1288	1295	rVV3	945747	2317673	3.98%	0.430%
60	16.591	1297	1304	1310	rVV	4622008	14380807	24.72%	2.667%
61	16.740	1310	1317	1322	rVV4	4139605	15674969	26.95%	2.907%
62	16.808	1322	1323	1325	rVV2	1616257	2151514	3.70%	0.399%
63	16.934	1325	1334	1336	rVV2	7147947	23818262	40.95%	4.417%
64	17.140	1339	1352	1356	rBV	7883440	35685800	61.35%	6.618%
65	17.208	1356	1358	1361	rVV4	571220	1058957	1.82%	0.196%
66	17.311	1365	1367	1369	rVV3	614450	974175	1.67%	0.181%
67	17.345	1369	1370	1372	rVB2	934369	982871	1.69%	0.182%
68	17.391	1372	1374	1377	rBV2	825156	1107474	1.90%	0.205%
69	17.437	1377	1378	1379	rBV	580138	601635	1.03%	0.112%
70	17.574	1387	1390	1392	rBV	1170945	2323014	3.99%	0.431%
71	17.608	1392	1393	1395	rVV2	945898	1591886	2.74%	0.295%

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72	17.654	1395	1397	1401	rVV2	2988603	5467700	9.40%	1.014%
73	17.723	1401	1403	1405	rVV2	1046280	1878648	3.23%	0.348%
74	17.814	1409	1411	1415	rVB	748042	1068263	1.84%	0.198%
75	17.974	1422	1425	1430	rBV2	1296703	3048268	5.24%	0.565%
76	18.157	1438	1441	1444	rBV	2694554	4830768	8.30%	0.896%
77	18.340	1449	1457	1460	rVV2	4954191	16060924	27.61%	2.979%
78	18.580	1475	1478	1481	rBV	2828870	4455300	7.66%	0.826%
79	18.637	1481	1483	1486	rVB	908880	1201789	2.07%	0.223%
80	18.717	1488	1490	1494	rVB3	275247	585396	1.01%	0.109%
81	19.620	1565	1569	1572	rVV3	293878	871733	1.50%	0.162%
82	19.757	1578	1581	1587	rVV3	705639	1708843	2.94%	0.317%
83	19.929	1593	1596	1600	rVV2	1141044	2945133	5.06%	0.546%
84	20.294	1625	1628	1636	rVB	545340	1589588	2.73%	0.295%

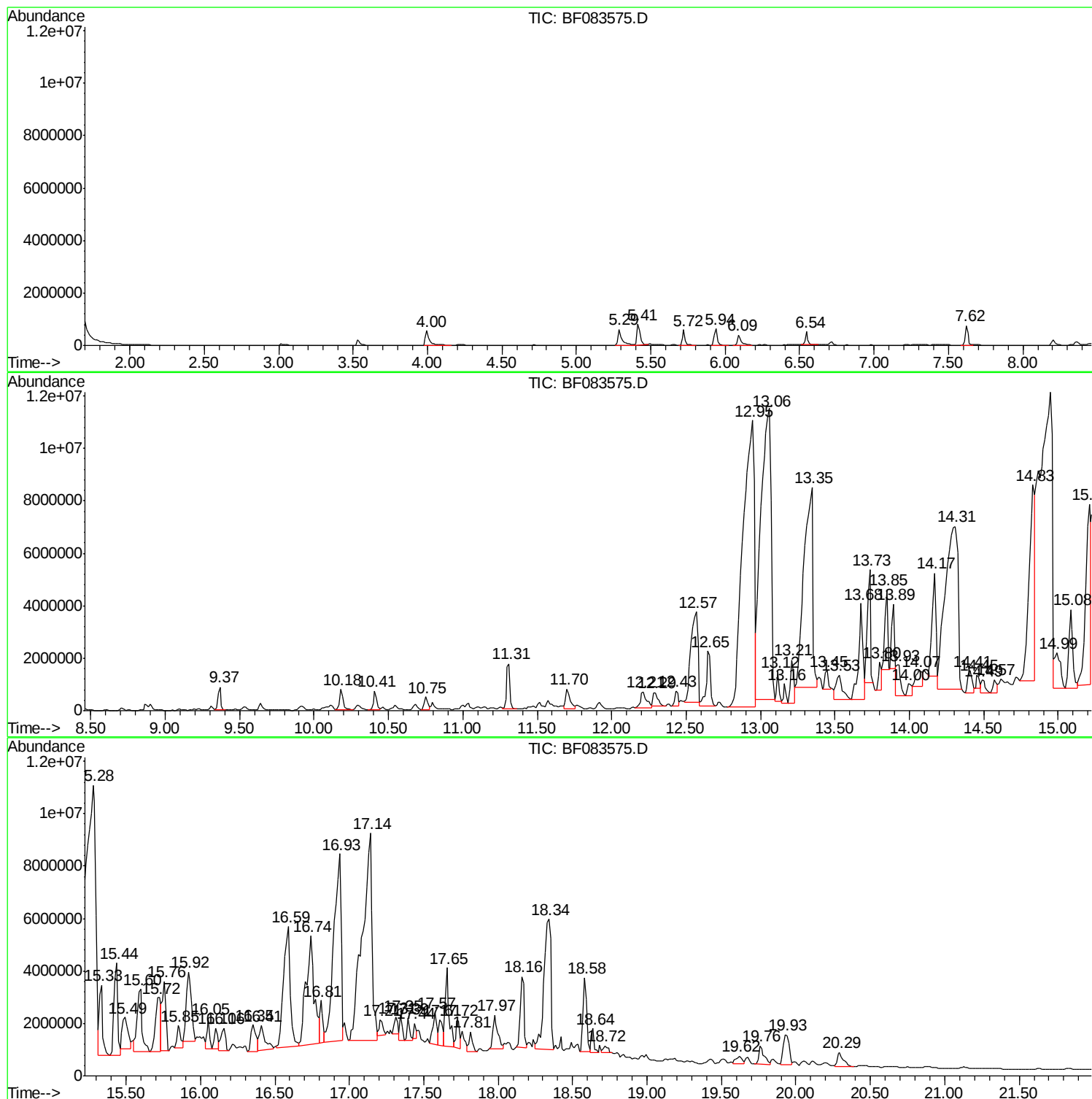
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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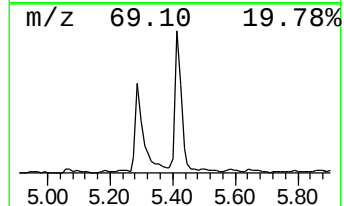
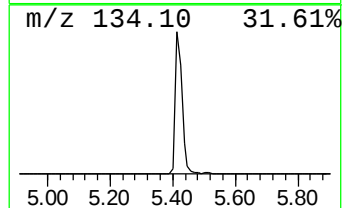
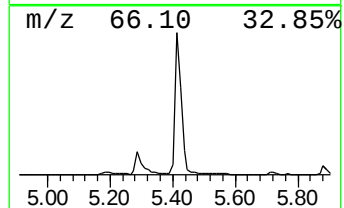
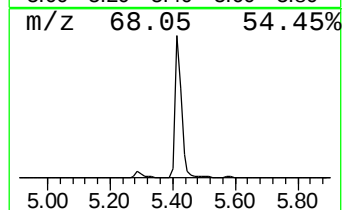
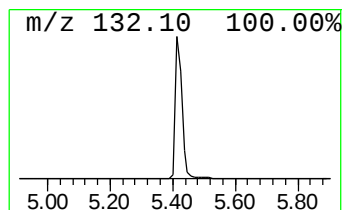
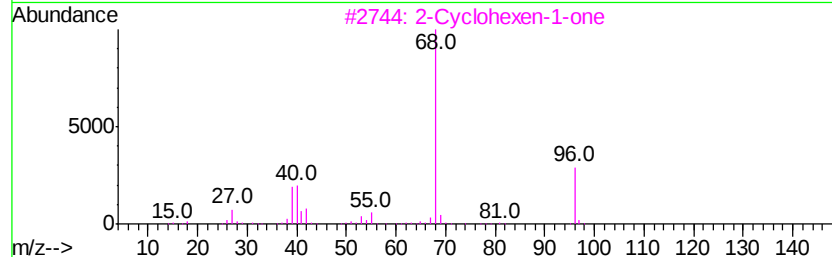
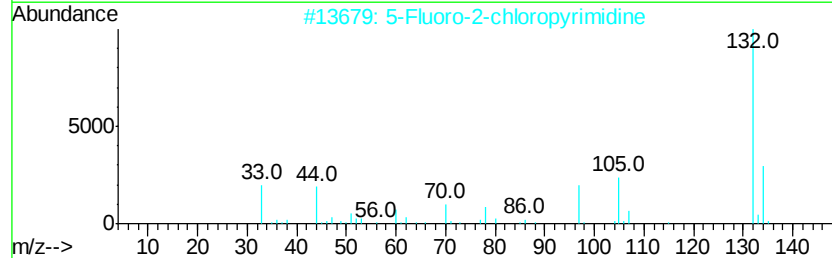
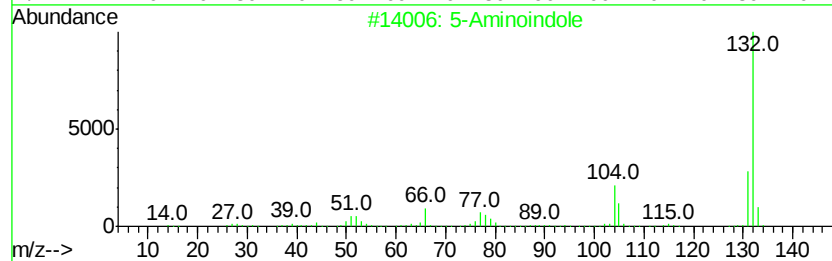
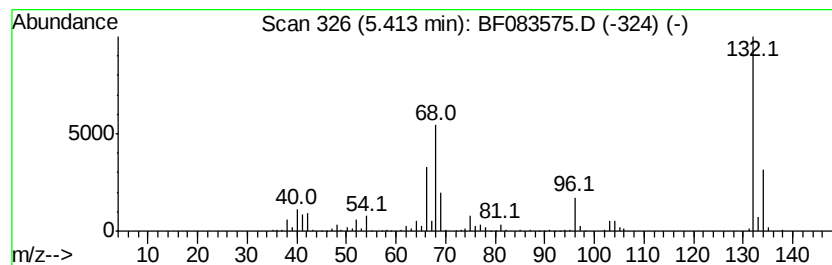
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown5.41 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.41	28.66 ng	1089920	1,4-Dichlorobenzene-d4	5.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Aminoindole	132	C8H8N2	005192-03-0	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		Xenon	132	Xe	007440-63-3	9



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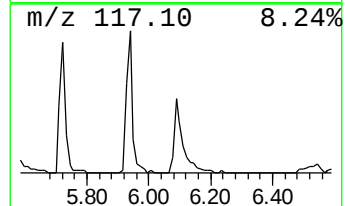
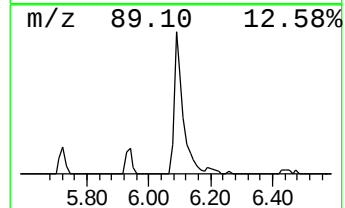
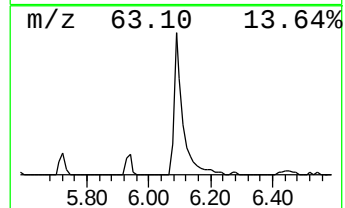
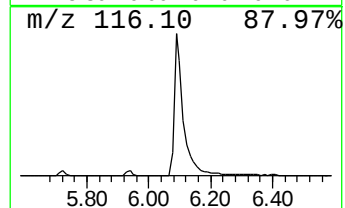
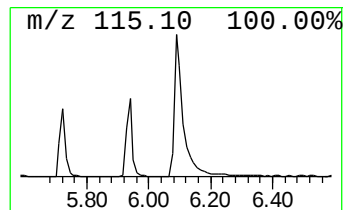
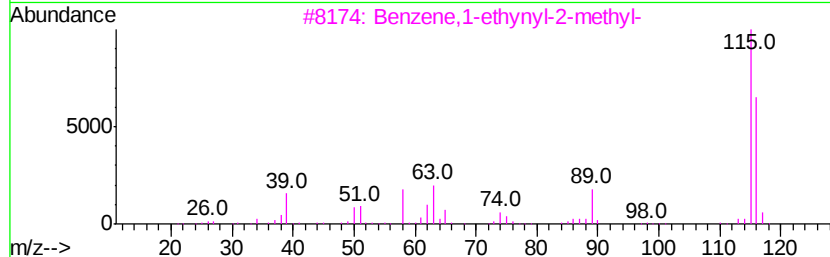
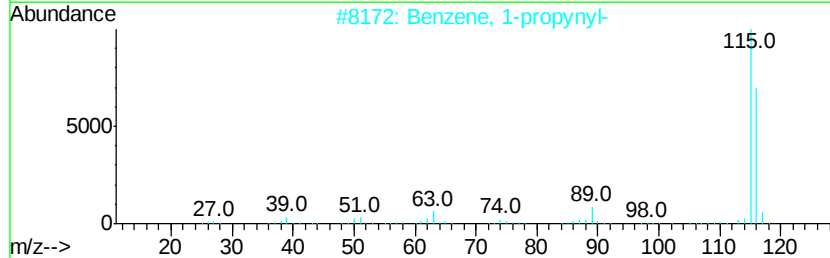
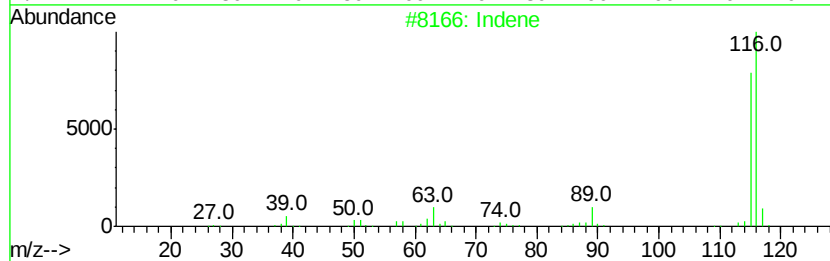
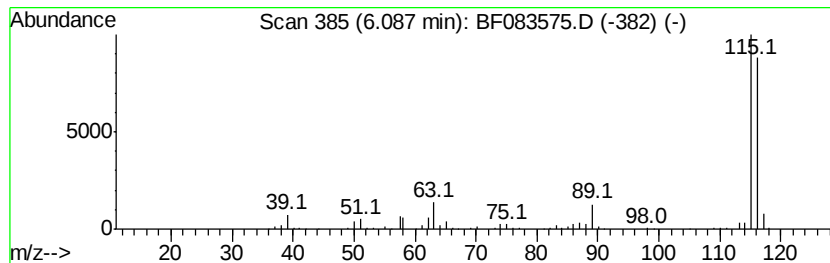
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	19.54 ng	743028	1,4-Dichlorobenzene-d4	5.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Benzene, 1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90



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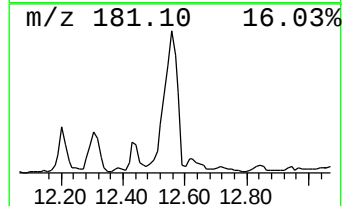
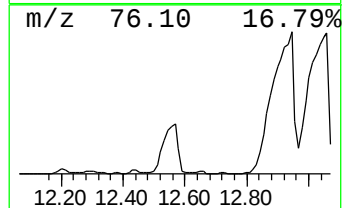
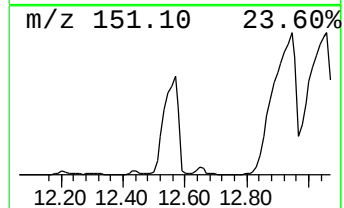
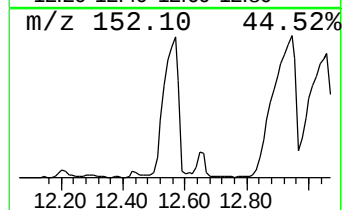
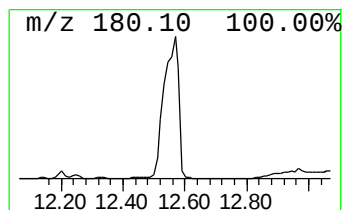
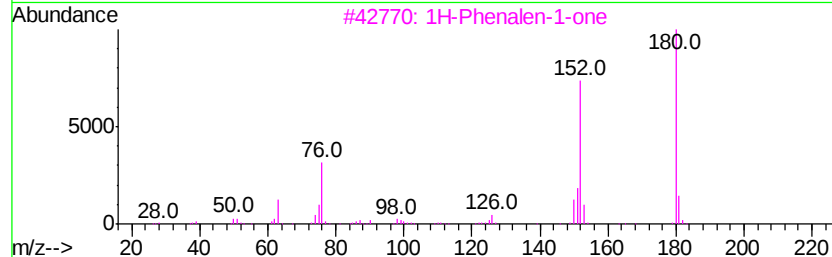
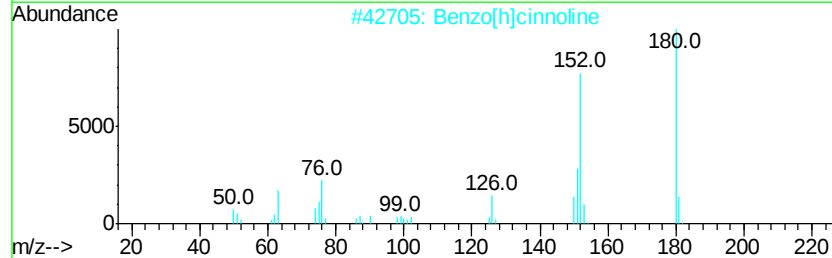
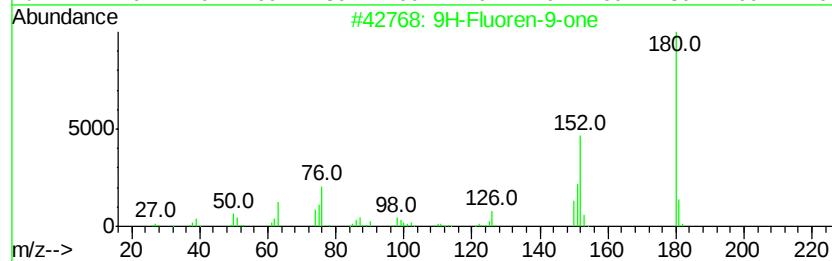
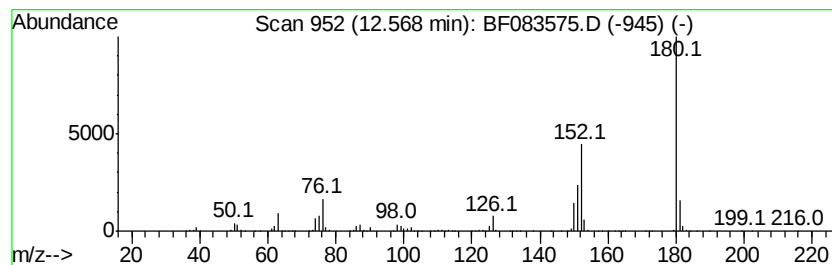
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD			R.T.	
12.57	3.73 ng	10862100	Phenanthrene-d10			12.85	
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
4			2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
5			4-Cyano-2-phenylpyridine	180	C12H8N2	033744-17-1	40



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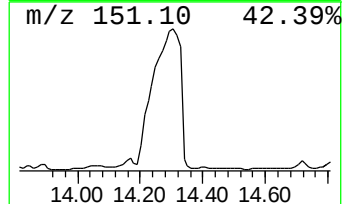
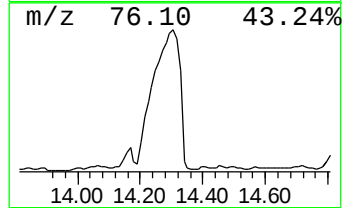
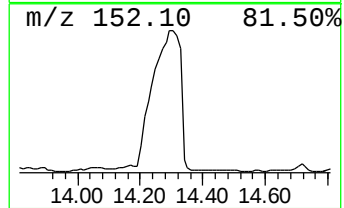
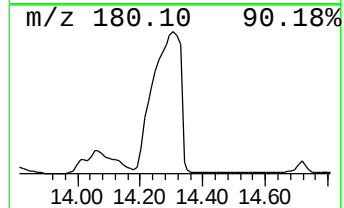
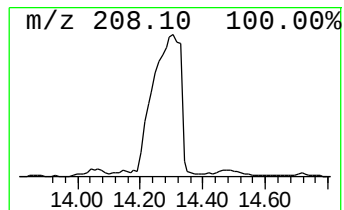
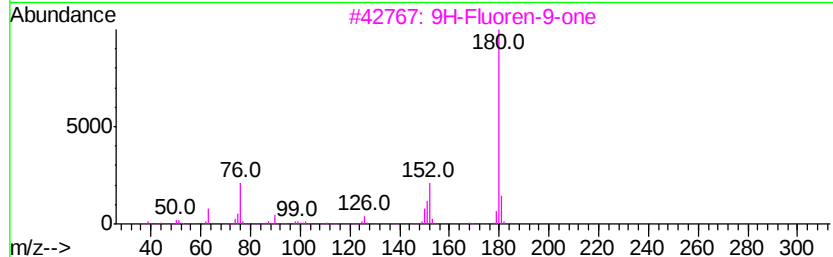
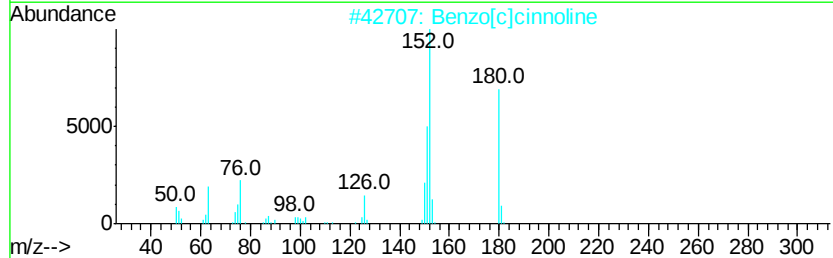
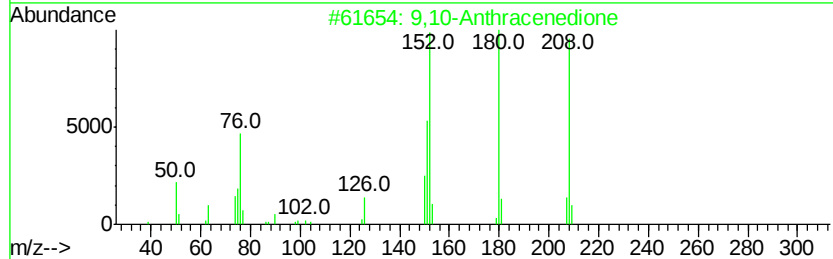
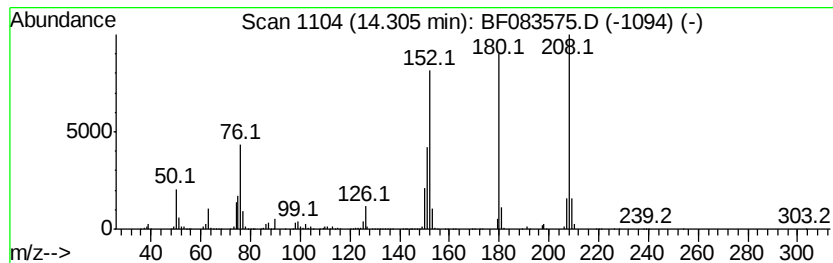
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	12.82 ng	37297700	Phenanthrene-d10	12.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

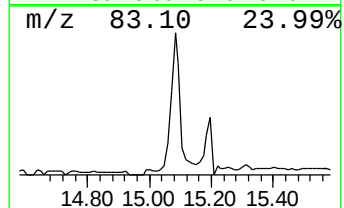
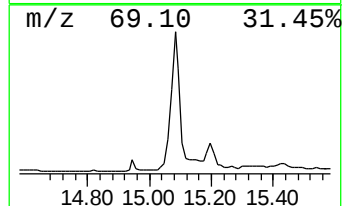
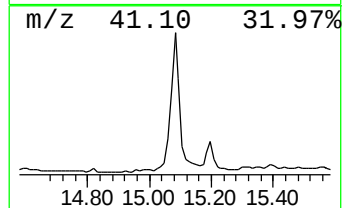
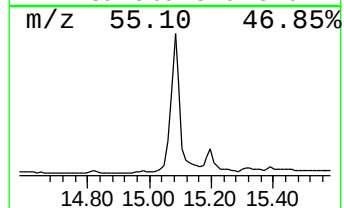
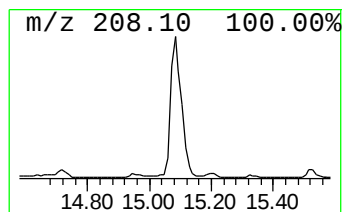
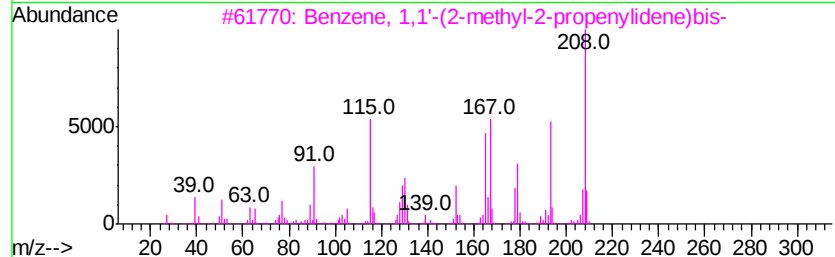
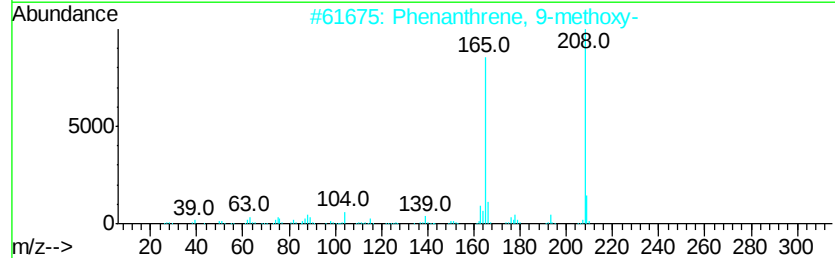
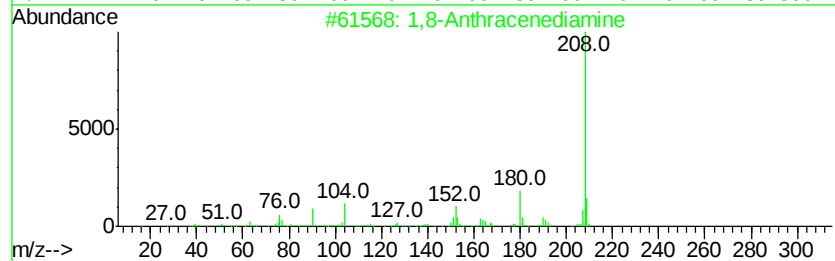
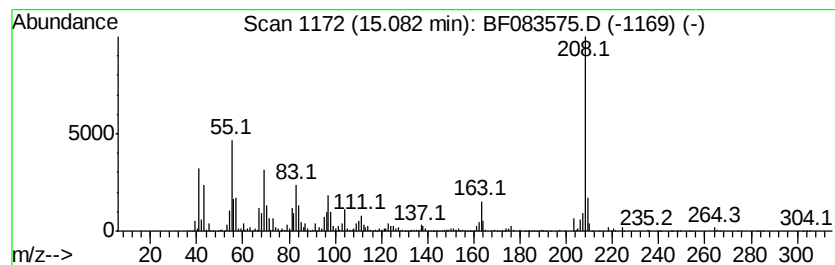
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,8-Anthracenediamine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	3.30 ng	5883700	Chrysene-d12	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	59
2		Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	53
3		Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	50
4		Chromium, (.eta.<7>-cycloheptatri...	208	C12H12Cr	012093-81-1	50
5		4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

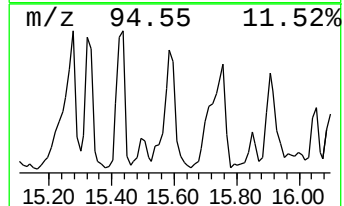
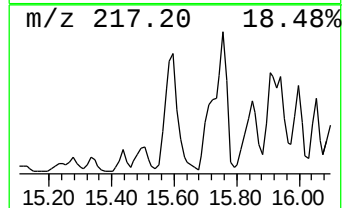
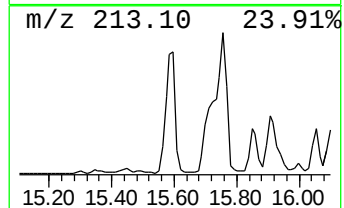
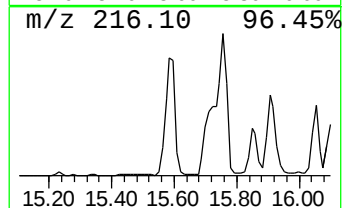
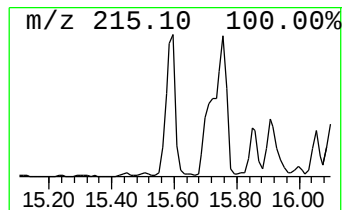
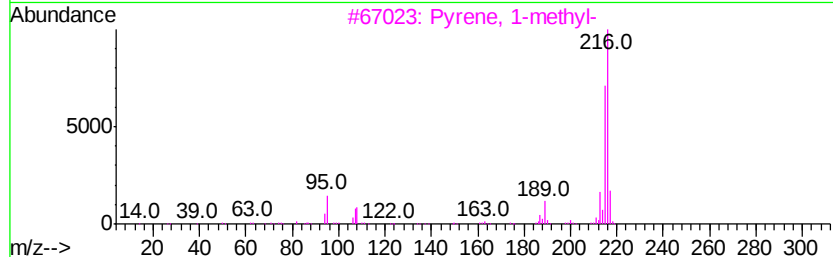
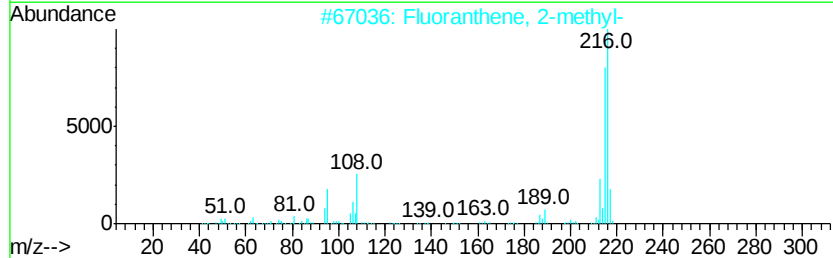
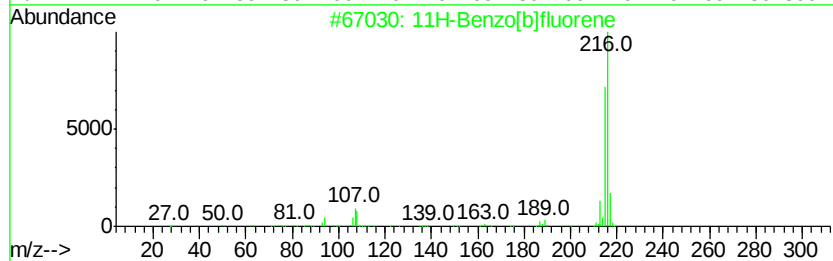
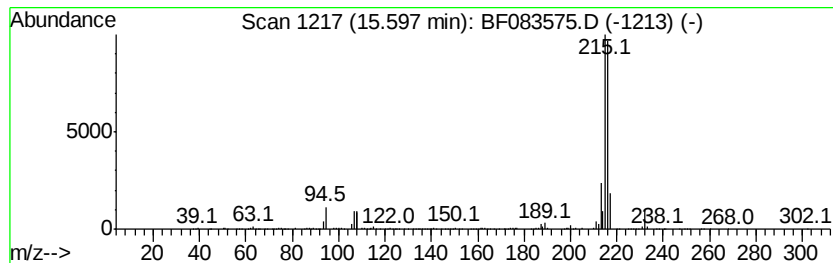
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	3.16 ng	5630230	Chrysene-d12	17.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

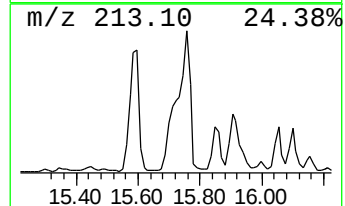
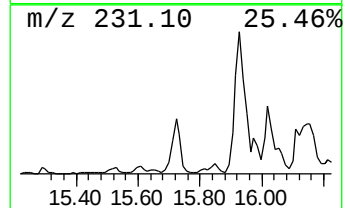
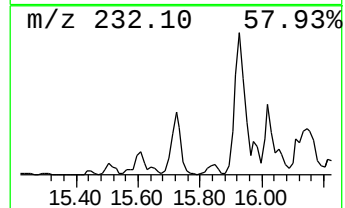
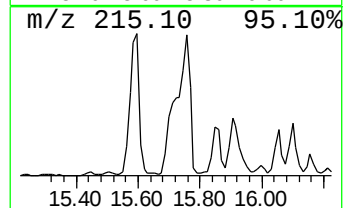
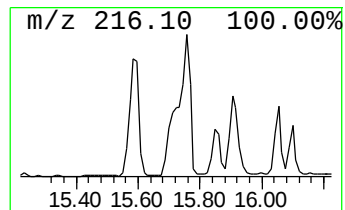
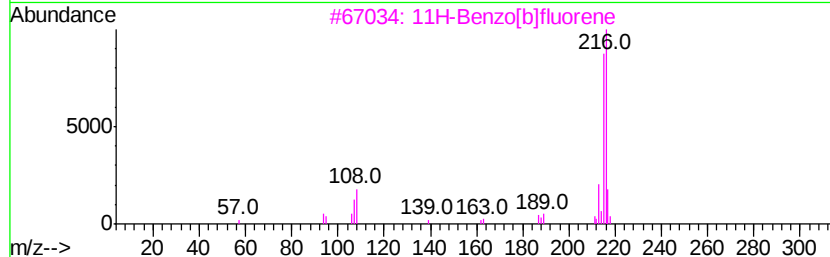
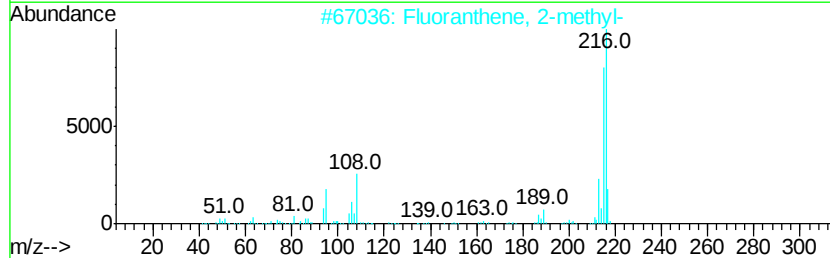
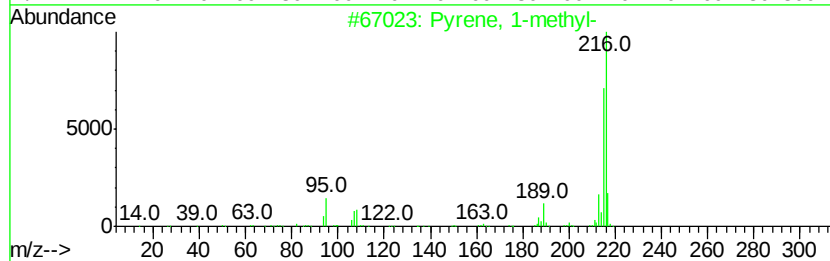
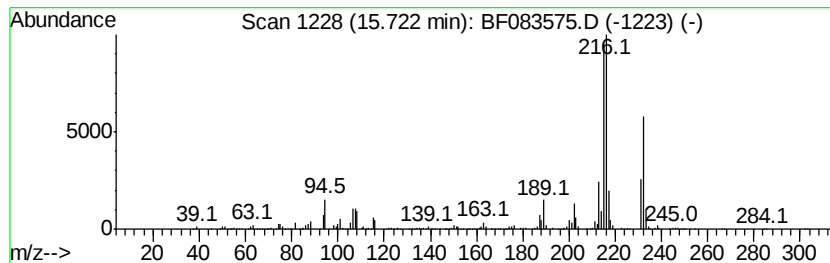
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	3.08 ng	5497950	Chrysene-d12	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SHED-EAST-WALL

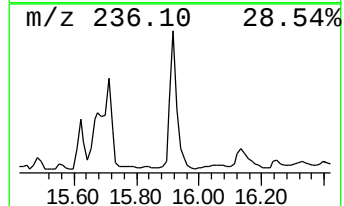
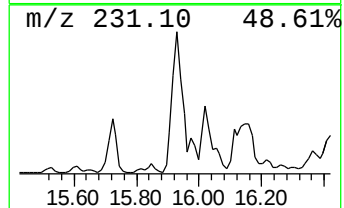
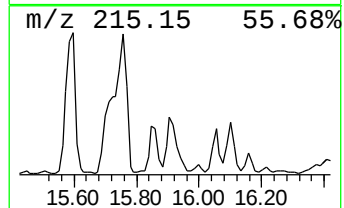
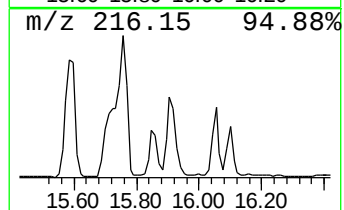
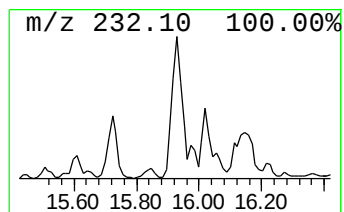
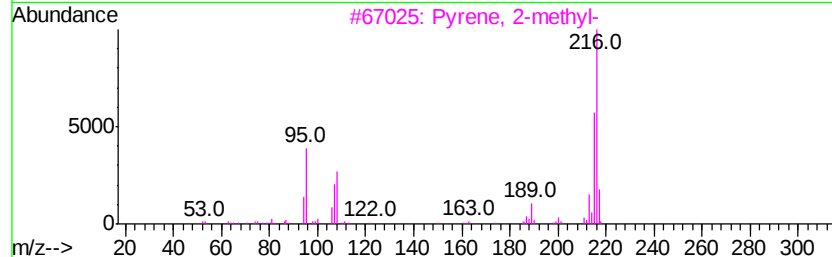
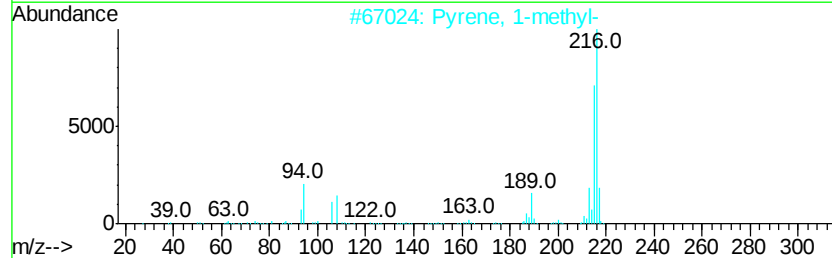
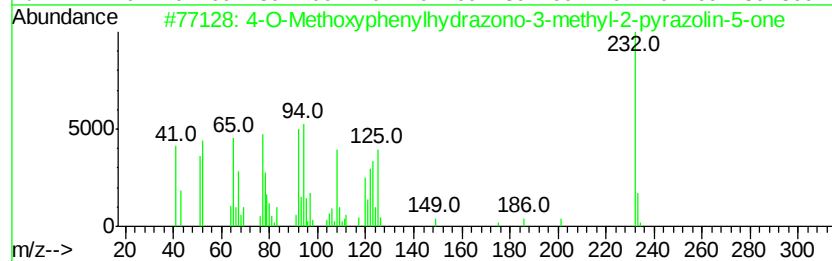
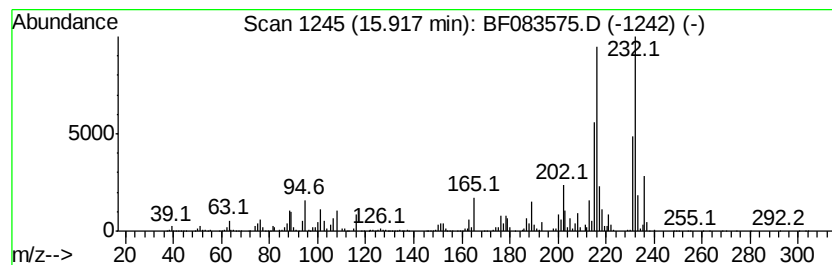
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4-O-Methoxyphenylhydrazono-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	3.72 ng	6637410	Chrysene-d12	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-O-Methoxyphenylhydrazono-3-met...	232	C11H12N4O2	065078-62-8	90
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
4		1-Pyrenemethanol	232	C17H12O	024463-15-8	55
5		1-(9-Anthryl)-2-propyn-1-ol	232	C17H12O	031067-61-5	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

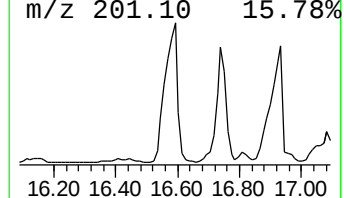
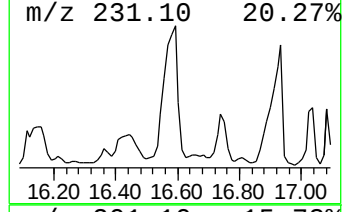
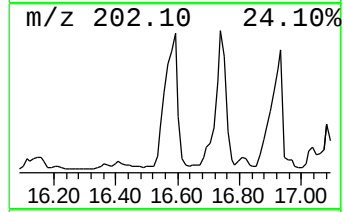
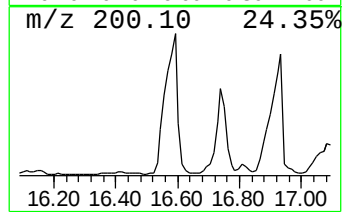
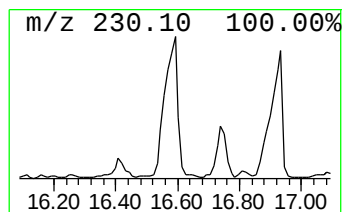
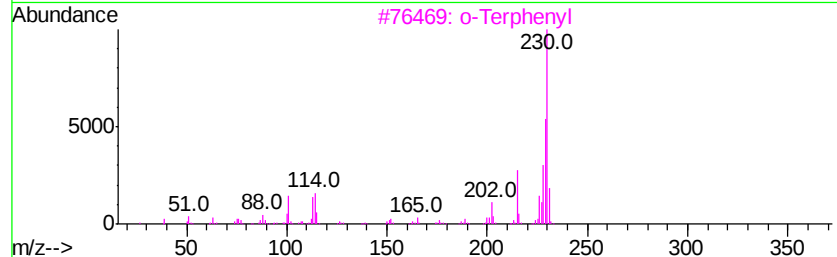
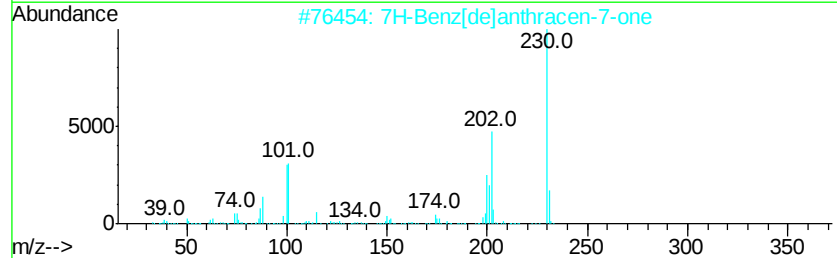
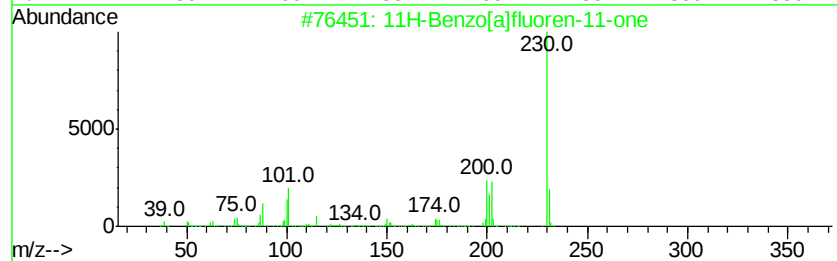
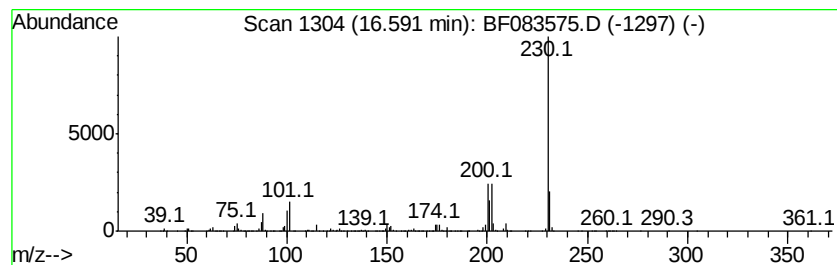
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	8.06 ng	14380800	Chrysene-d12	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	99
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		o-Terphenyl	230	C18H14	000084-15-1	64
4		Pvrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5		5,6-Dihydrochrysene	230	C18H14	002091-92-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
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Operator : UM/IZ
Sample : G4579-12 5X
Misc :
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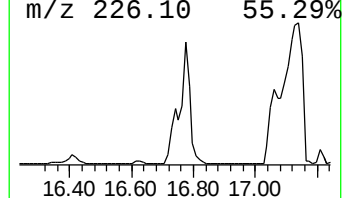
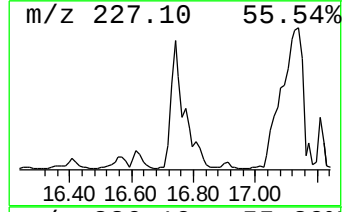
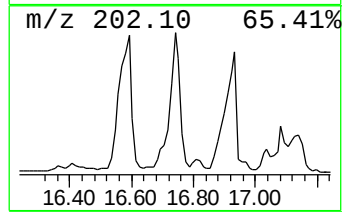
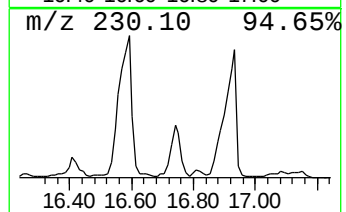
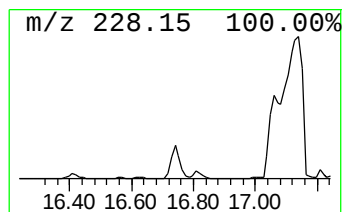
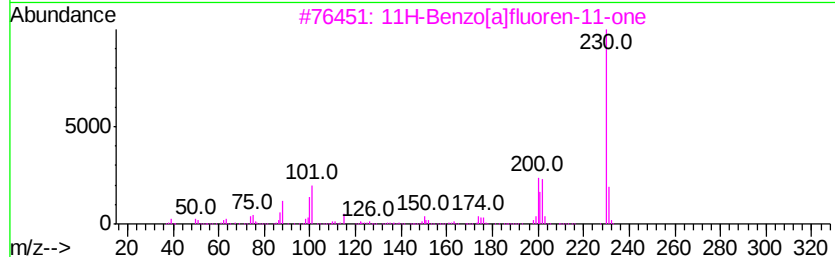
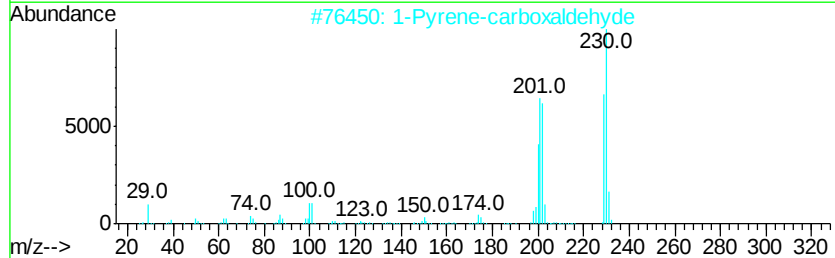
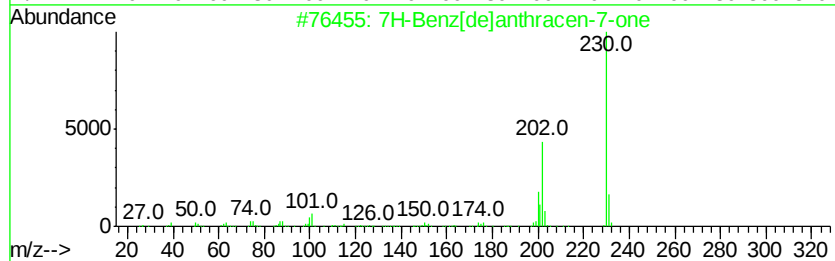
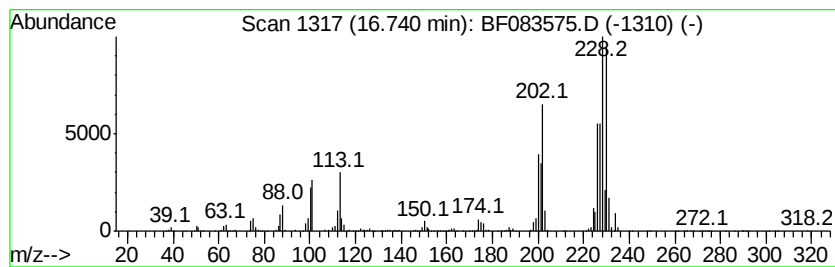
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.74	8.78 ng	15675000	Chrysene-d12	17.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
2	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	42
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	38
4	Chrysene	228	C18H12	000218-01-9	30
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	27



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Data File : BF083575.D
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Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

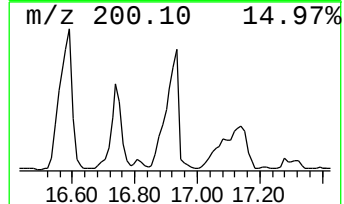
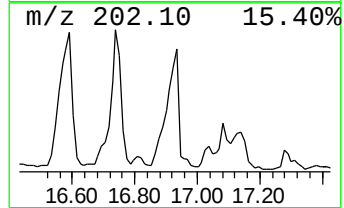
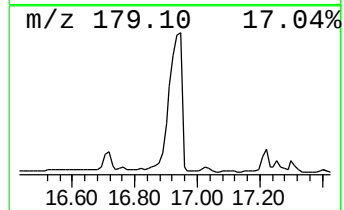
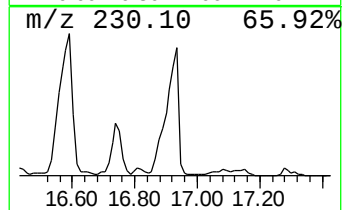
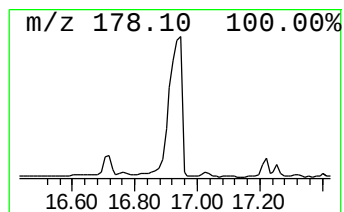
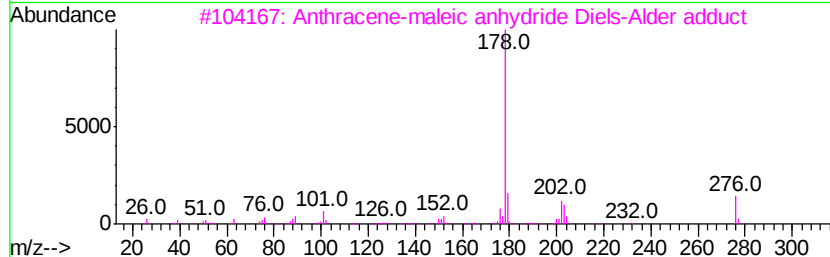
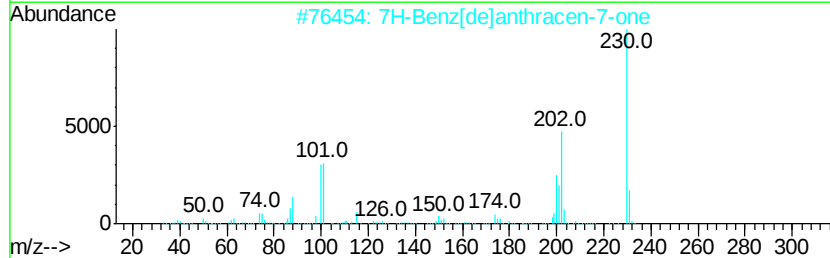
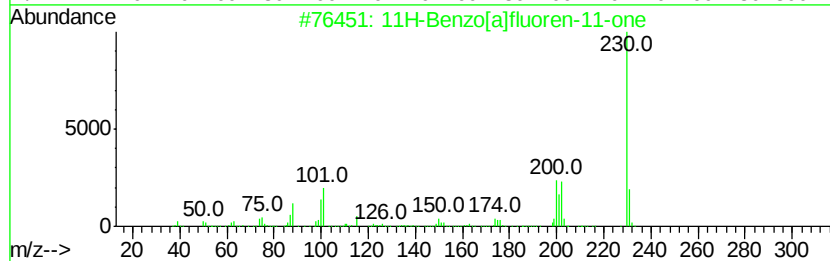
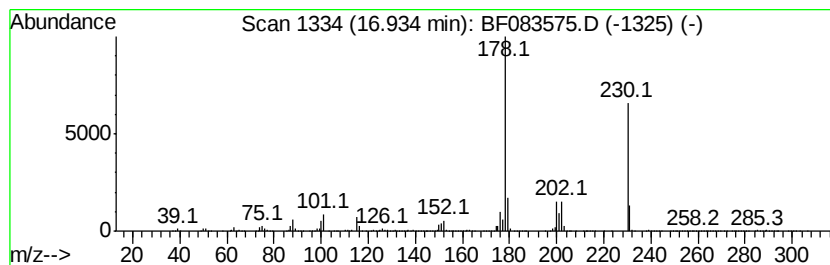
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown16.93 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	13.35 ng	23818300	Chrysene-d12	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	87
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49
3		Anthracene-maleic anhydride Diel...	276	C18H12O3	005443-16-3	47
4		Diphenylethyne	178	C14H10	000501-65-5	45
5		Anthracene	178	C14H10	000120-12-7	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

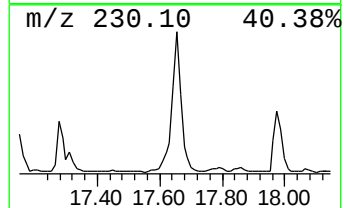
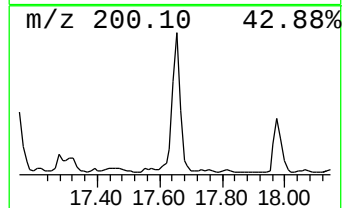
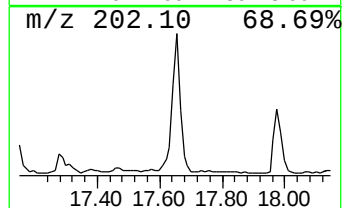
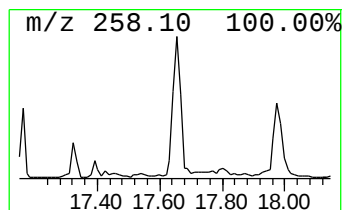
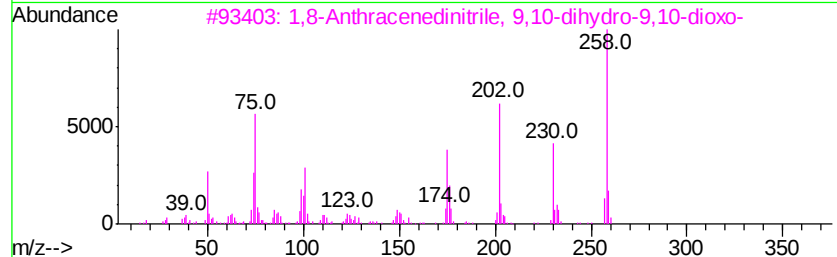
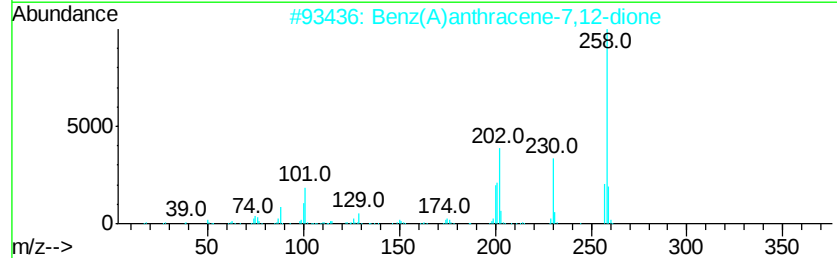
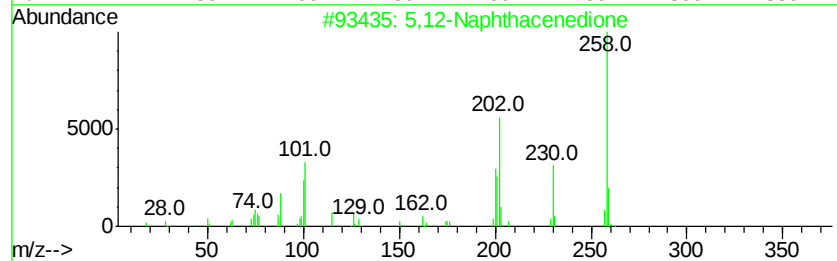
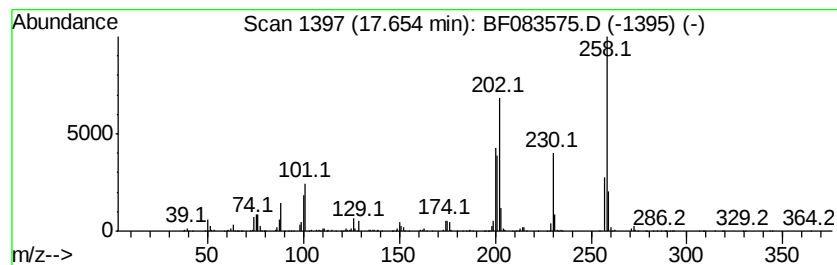
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5,12-Naphthacenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	3.06 ng	5467700	Chrysene-d12	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	95
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
3		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	58
4		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
5		Fluoranthene	202	C16H10	000206-44-0	56



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

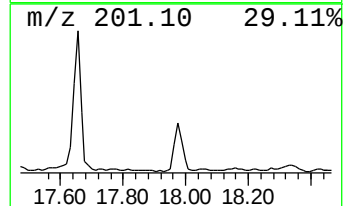
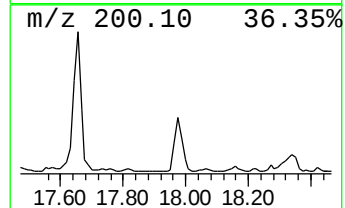
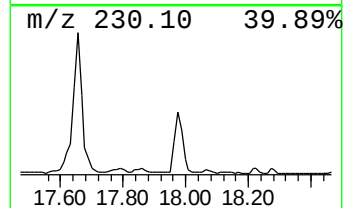
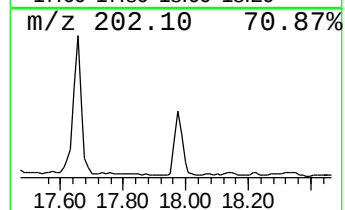
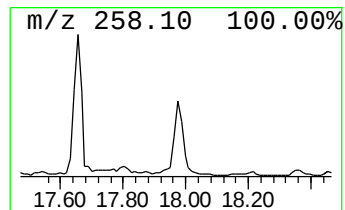
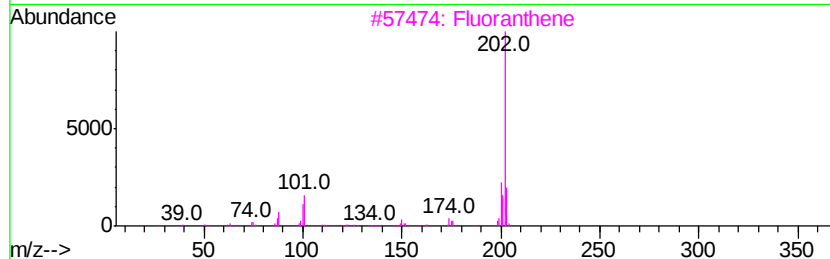
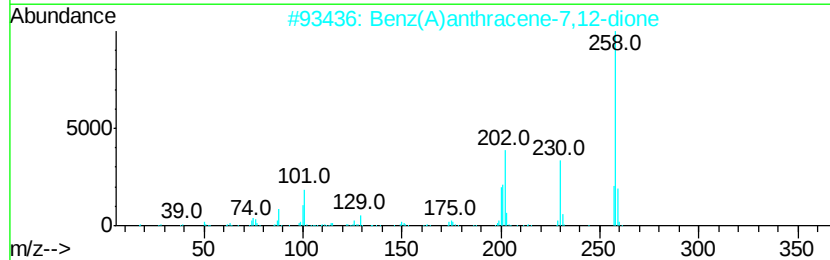
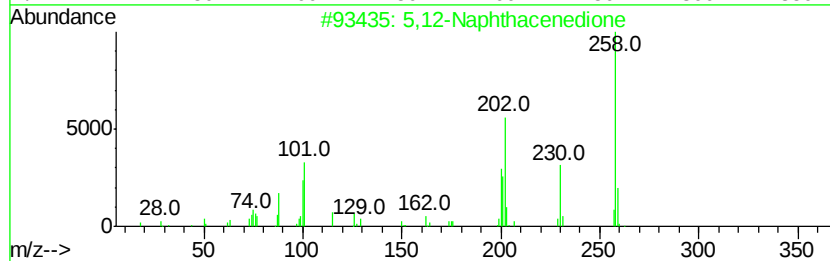
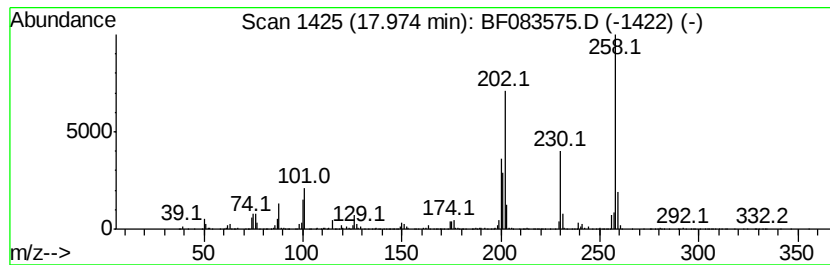
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benz(A)anthracene-7,12-dione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	104.14 ng	3048270	Perylene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	95
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
3		Fluoranthene	202	C16H10	000206-44-0	92
4		Pvrene	202	C16H10	000129-00-0	62
5		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SHED-EAST-WALL

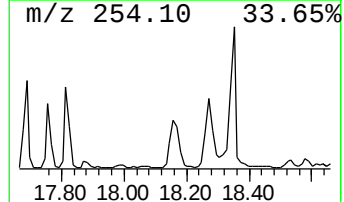
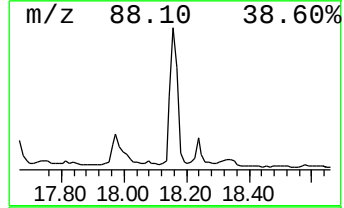
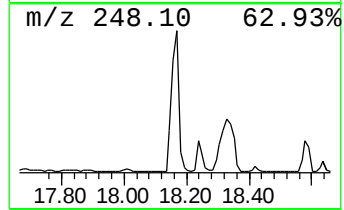
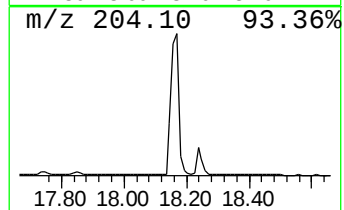
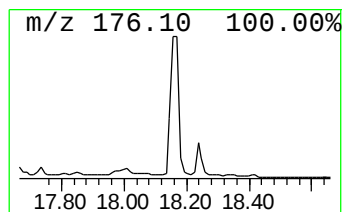
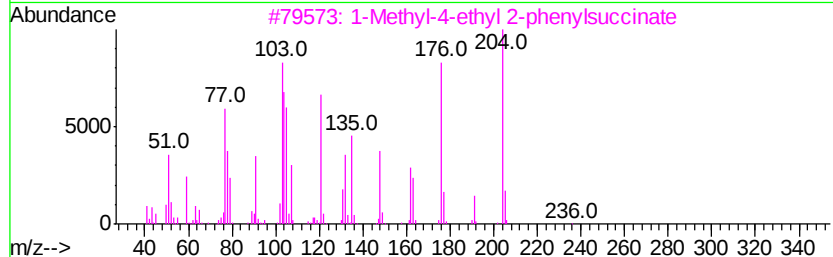
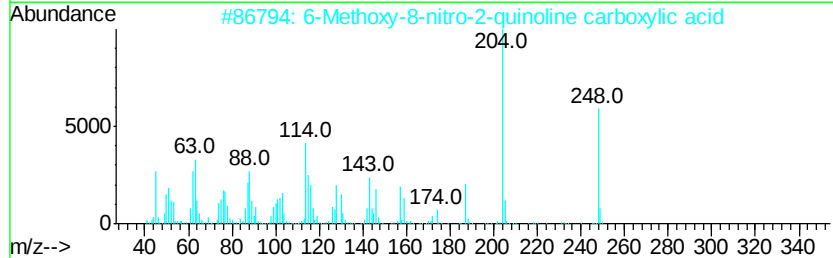
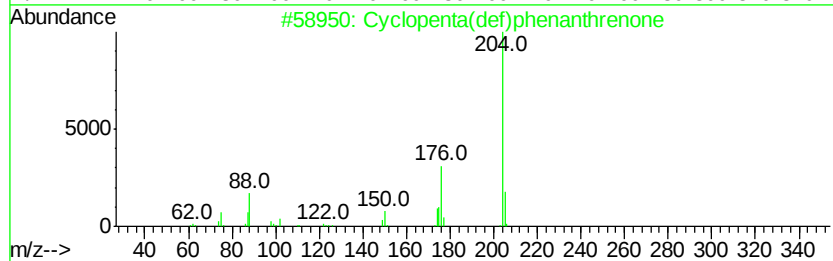
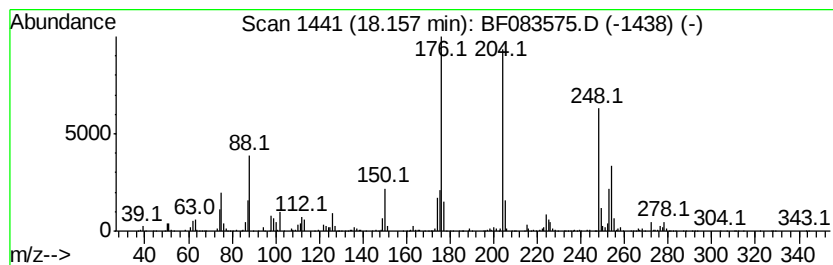
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown18.16 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	165.04 ng	4830770	Perylene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	49
2		6-Methoxy-8-nitro-2-quinoline ca...	248	C11H8N2O5	133378-40-2	38
3		1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	25
4		9-Amino-6-fluorolepidine	176	C10H9FN2	064993-16-4	18
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
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Instrument :
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ClientSampleId :
SHED-EAST-WALL

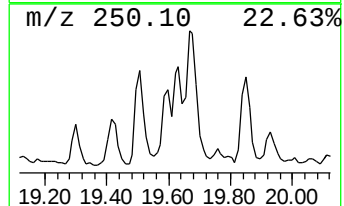
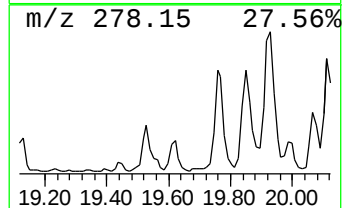
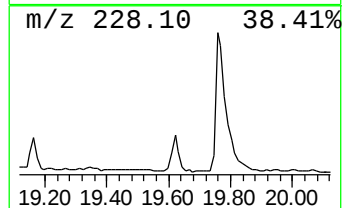
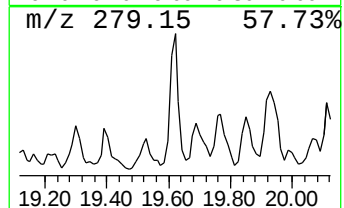
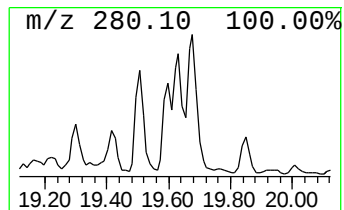
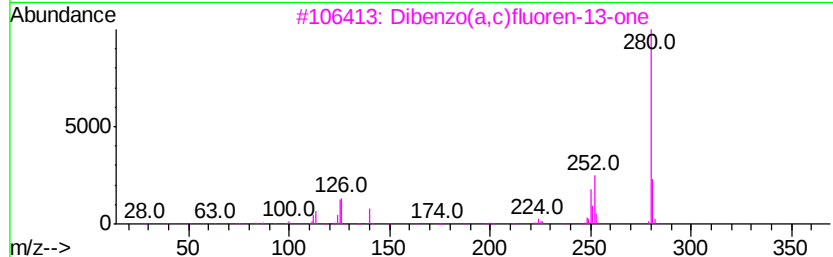
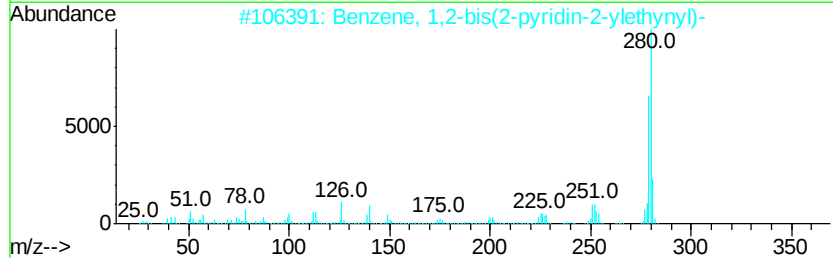
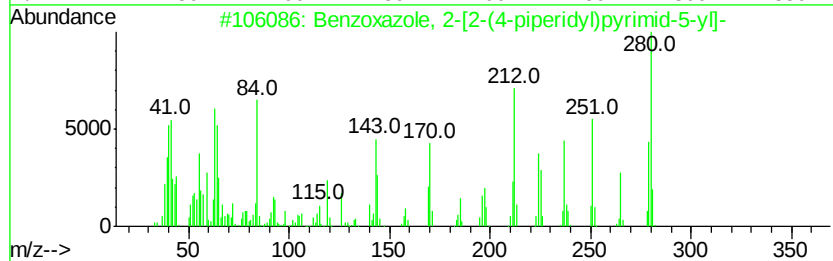
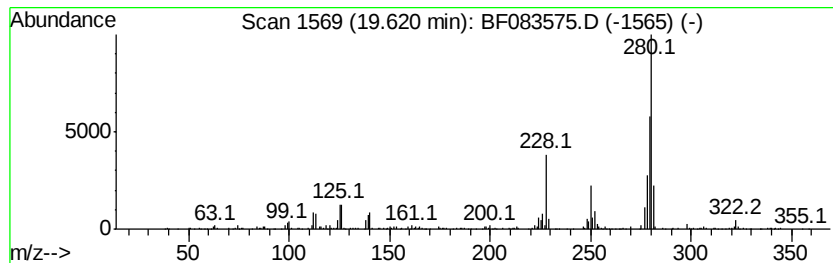
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	29.78 ng	871733	Perylene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoxazole, 2-[2-(4-piperidyl)pyrimid-5-yl]-	280	C16H16N4O	1000294-14-8	87
2		Benzene, 1,2-bis(2-pyridin-2-ylethynyl)-	280	C20H12N2	350587-04-1	70
3		Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	62
4		Pentacene, 6,13-dihydro-	280	C22H16	013579-08-3	53
5		Imidazo[1,2-b]-1,2,4-benzotriazin-5(1H)-one	280	C16H16N4O	1000277-17-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083575.D
Acq On : 8 Dec 2015 00:27
Operator : UM/IZ
Sample : G4579-12 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALL

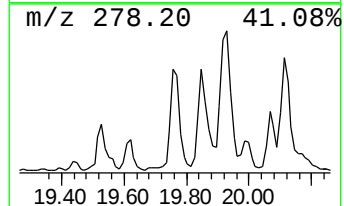
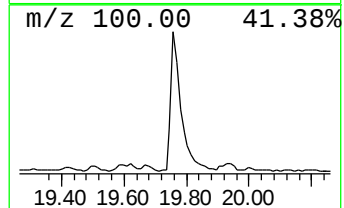
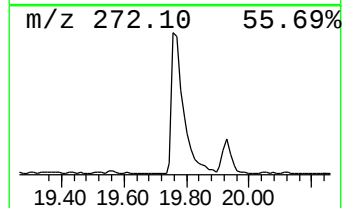
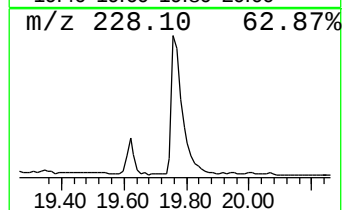
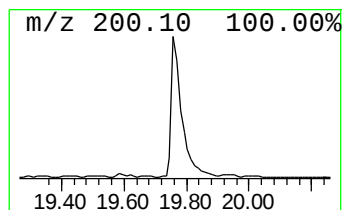
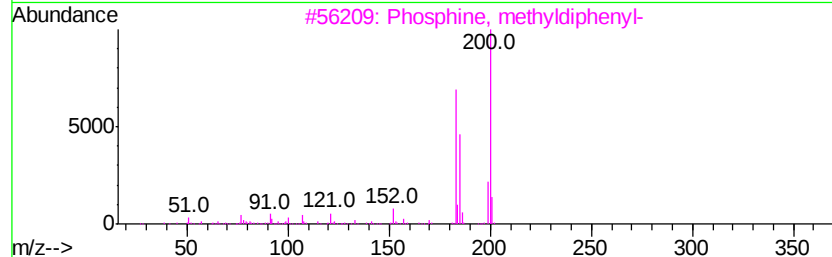
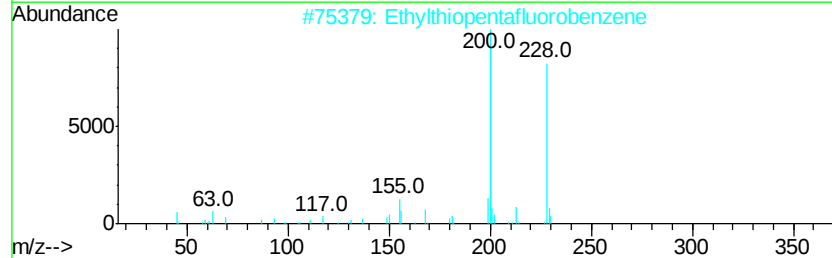
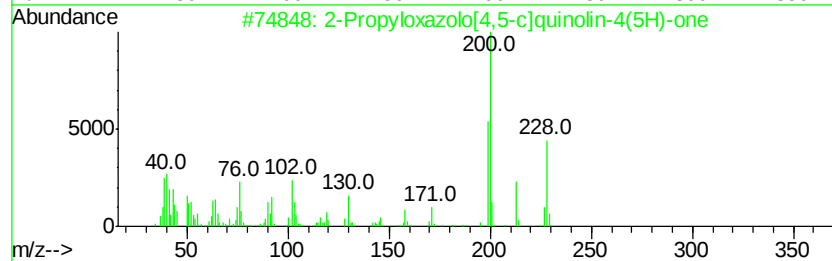
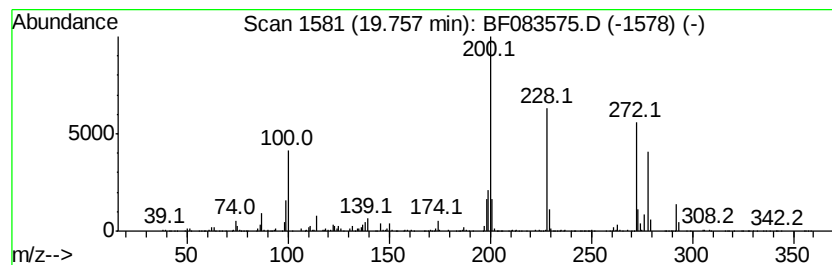
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown19.76 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	58.38 ng	1708840	Perylene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propyloxazolo[4,5-c]quinolin-4...	228	C13H12N2O2	211874-68-9	27
2		Ethylthiopentafluorobenzene	228	C8H5F5S	033288-21-0	25
3		Phosphine, methyldiphenyl-	200	C13H13P	001486-28-8	22
4		4,6(1H,5H)-Pyrimidinedione, 1,3-...	200	C8H12N2O2S	005217-47-0	14
5		Naphtho[1,2-d]thiazol-2-amine	200	C11H8N2S	040172-65-4	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
 Data File : BF083575.D
 Acq On : 8 Dec 2015 00:27
 Operator : UM/IZ
 Sample : G4579-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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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Indene	6.09	19.5	ng	743028	1	5.72	760480	20.0
9H-Fluoren-9-one	12.57	3.7	ng	10862100	4	12.85	58171200	20.0
9,10-Anthracenedione	14.31	12.8	ng	37297700	4	12.85	58171200	20.0
1,8-Anthracenedia...	15.08	3.3	ng	5883700	5	17.07	35685800	20.0
11H-Benzo[b]fluorene	15.60	3.2	ng	5630230	5	17.07	35685800	20.0
Pyrene, 1-methyl-	15.72	3.1	ng	5497950	5	17.07	35685800	20.0
4-O-Methoxyphenyl...	15.92	3.7	ng	6637410	5	17.07	35685800	20.0
11H-Benzo[a]fluor...	16.59	8.1	ng	14380800	5	17.07	35685800	20.0
7H-Benz[de]anthra...	16.74	8.8	ng	15675000	5	17.07	35685800	20.0
unknown16.93	16.93	13.4	ng	23818300	5	17.07	35685800	20.0
5,12-Naphthacened...	17.65	3.1	ng	5467700	5	17.07	35685800	20.0
Benz(A)anthracene...	17.97	104.1	ng	3048270	6	18.68	585396	20.0
unknown18.16	18.16	165.0	ng	4830770	6	18.68	585396	20.0
Benzoxazole, 2-[2...	19.62	29.8	ng	871733	6	18.68	585396	20.0
unknown19.76	19.76	58.4	ng	1708840	6	18.68	585396	20.0