

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079644.D
 Acq On : 31 May 2015 20:33
 Operator : TP/IZ
 Sample : G2408-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21S

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-BF052615.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	1.541	28	31	38	rVV	216666	504645	7.25%	0.815%
2	1.633	38	39	77	rVB	3068634	6957740	100.00%	11.235%
3	5.176	346	349	360	rBV	1024712	1503133	21.60%	2.427%
4	6.513	463	466	473	rBV	1283675	1598100	22.97%	2.581%
5	6.627	473	476	479	rVB	1422951	1655171	23.79%	2.673%
6	6.902	498	500	503	rBV	362512	412674	5.93%	0.666%
7	7.096	514	517	519	rBV	932604	1286964	18.50%	2.078%
8	7.610	559	562	564	rBV	1042118	1008271	14.49%	1.628%
9	8.479	636	638	640	rBV	491322	666406	9.58%	1.076%
10	9.370	713	716	718	rBV	210771	187905	2.70%	0.303%
11	9.485	724	726	729	rVB	139855	153763	2.21%	0.248%
12	9.828	754	756	759	rVB	1521575	2074379	29.81%	3.350%
13	10.148	782	784	787	rBV	58456	98507	1.42%	0.159%
14	10.239	789	792	793	rBV	126898	139447	2.00%	0.225%
15	10.342	800	801	803	rVV	170805	203831	2.93%	0.329%
16	10.376	803	804	808	rVB	79479	98388	1.41%	0.159%
17	10.479	810	813	815	rVB	125483	156964	2.26%	0.253%
18	10.651	825	828	830	rVV	686301	736780	10.59%	1.190%
19	10.685	830	831	833	rVV	473890	425126	6.11%	0.686%
20	10.902	848	850	853	rVV	330456	345123	4.96%	0.557%
21	11.325	885	887	890	rVV	432736	420726	6.05%	0.679%
22	11.405	890	894	895	rVV	62826	116010	1.67%	0.187%
23	11.485	898	901	903	rVV2	39108	95204	1.37%	0.154%
24	11.531	903	905	908	rVB	155720	175959	2.53%	0.284%
25	11.634	911	914	916	rVV2	1235572	1595842	22.94%	2.577%
26	12.011	940	947	949	rBV3	91810	218369	3.14%	0.353%
27	12.182	958	962	965	rBV4	76416	214474	3.08%	0.346%
28	12.251	965	968	971	rVB	242639	277761	3.99%	0.449%
29	12.308	971	973	975	rBV	121929	170905	2.46%	0.276%
30	12.354	975	977	979	rVB	193189	195083	2.80%	0.315%
31	12.479	986	988	989	rBV	609106	662397	9.52%	1.070%
32	12.514	989	991	993	rVB	3124059	3079178	44.26%	4.972%
33	12.571	993	996	999	rVB	700355	909006	13.06%	1.468%
34	12.628	999	1001	1003	rBV2	61436	101364	1.46%	0.164%

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35	12.754	1010	1012	1013	rBV	95255	93875	1.35%	0.152%
36	12.788	1013	1015	1017	rBV	352573	345070	4.96%	0.557%
37	13.108	1041	1043	1045	rBV	422592	460067	6.61%	0.743%
38	13.142	1045	1046	1049	rVB	531719	519022	7.46%	0.838%
39	13.199	1049	1051	1052	rBV	232571	232983	3.35%	0.376%
40	13.234	1052	1054	1056	rBV2	478486	671363	9.65%	1.084%
41	13.348	1061	1064	1066	rBV2	78009	147869	2.13%	0.239%
42	13.485	1074	1076	1077	rBV	269375	270173	3.88%	0.436%
43	13.519	1077	1079	1081	rVB	142126	174719	2.51%	0.282%
44	13.668	1090	1092	1094	rBV2	88634	130075	1.87%	0.210%
45	13.794	1100	1103	1105	rBV	198813	291240	4.19%	0.470%
46	13.828	1105	1106	1110	rVB3	108443	215484	3.10%	0.348%
47	13.897	1110	1112	1117	rVB3	172221	287022	4.13%	0.463%
48	13.988	1117	1120	1122	rBV	2754517	3115559	44.78%	5.031%
49	14.068	1125	1127	1128	rBV	98967	119641	1.72%	0.193%
50	14.102	1128	1130	1133	rVB2	65396	101340	1.46%	0.164%
51	14.160	1133	1135	1137	rBV2	184336	229545	3.30%	0.371%
52	14.205	1137	1139	1141	rBV2	65084	101289	1.46%	0.164%
53	14.262	1141	1144	1146	rVB2	2587827	3174980	45.63%	5.127%
54	14.331	1146	1150	1151	rBV4	144884	267690	3.85%	0.432%
55	14.422	1156	1158	1159	rBV	207664	208936	3.00%	0.337%
56	14.480	1159	1163	1165	rVB	2116476	2479484	35.64%	4.004%
57	14.548	1165	1169	1171	rBV2	156610	294281	4.23%	0.475%
58	14.651	1174	1178	1179	rBV3	168489	400613	5.76%	0.647%
59	14.674	1179	1180	1183	rVB	283530	328928	4.73%	0.531%
60	14.765	1186	1188	1189	rBV	115915	128941	1.85%	0.208%
61	14.800	1189	1191	1197	rBV3	306966	607570	8.73%	0.981%
62	14.914	1199	1201	1203	rVB	167400	153235	2.20%	0.247%
63	14.948	1203	1204	1211	rVB4	128653	263942	3.79%	0.426%
64	15.131	1216	1220	1221	rBV2	180212	321396	4.62%	0.519%
65	15.314	1233	1236	1239	rVB	246682	311724	4.48%	0.503%
66	15.440	1245	1247	1249	rBV	239007	313944	4.51%	0.507%
67	15.474	1249	1250	1254	rVV2	238346	466627	6.71%	0.754%
68	15.531	1254	1255	1257	rVB2	147335	144563	2.08%	0.233%
69	15.577	1257	1259	1261	rVB	267388	318545	4.58%	0.514%
70	15.657	1261	1266	1269	rBV2	408536	664145	9.55%	1.072%
71	15.748	1269	1274	1276	rBV2	1490634	2670039	38.38%	4.312%

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72	15.794	1276	1278	1279	rVV	920869	1287219	18.50%	2.079%
73	15.817	1279	1280	1282	rVB2	268322	296097	4.26%	0.478%
74	15.874	1283	1285	1287	rVB2	136705	192117	2.76%	0.310%
75	15.943	1287	1291	1292	rBV4	44884	96220	1.38%	0.155%
76	15.988	1292	1295	1296	rVV2	79609	154975	2.23%	0.250%
77	16.011	1296	1297	1299	rVB	182208	166869	2.40%	0.269%
78	16.057	1299	1301	1308	rVB3	190423	368462	5.30%	0.595%
79	16.205	1312	1314	1315	rBV2	81360	123802	1.78%	0.200%
80	16.251	1315	1318	1320	rBV	259740	354934	5.10%	0.573%
81	16.285	1320	1321	1324	rVB	88172	92855	1.33%	0.150%
82	16.365	1326	1328	1329	rVB	100582	94942	1.36%	0.153%
83	16.400	1329	1331	1334	rBV3	74301	156006	2.24%	0.252%
84	16.457	1334	1336	1339	rVB2	171128	235164	3.38%	0.380%
85	16.651	1349	1353	1355	rBV2	101509	219268	3.15%	0.354%
86	16.846	1367	1370	1373	rBV3	98550	235785	3.39%	0.381%
87	17.028	1383	1386	1391	rVB	1069689	2275847	32.71%	3.675%
88	17.143	1394	1396	1398	rVB	213379	247497	3.56%	0.400%
89	17.246	1402	1405	1408	rVV4	150440	336387	4.83%	0.543%
90	17.337	1411	1413	1416	rVV	635372	740122	10.64%	1.195%
91	17.394	1416	1418	1422	rVB	795444	1124898	16.17%	1.816%
92	17.463	1422	1424	1425	rBV	562629	711941	10.23%	1.150%
93	17.486	1425	1426	1428	rVB	215366	251655	3.62%	0.406%
94	18.034	1471	1474	1476	rVB3	109006	170591	2.45%	0.275%
95	18.583	1520	1522	1525	rBV3	77229	147664	2.12%	0.238%
96	18.731	1532	1535	1540	rVB2	385904	767229	11.03%	1.239%
97	18.891	1546	1549	1551	rBV	146498	301684	4.34%	0.487%
98	19.109	1565	1568	1571	rVB	304355	578692	8.32%	0.934%
99	19.234	1576	1579	1583	rBV4	169694	388587	5.58%	0.627%
100	20.994	1729	1733	1739	rVB2	113272	338640	4.87%	0.547%

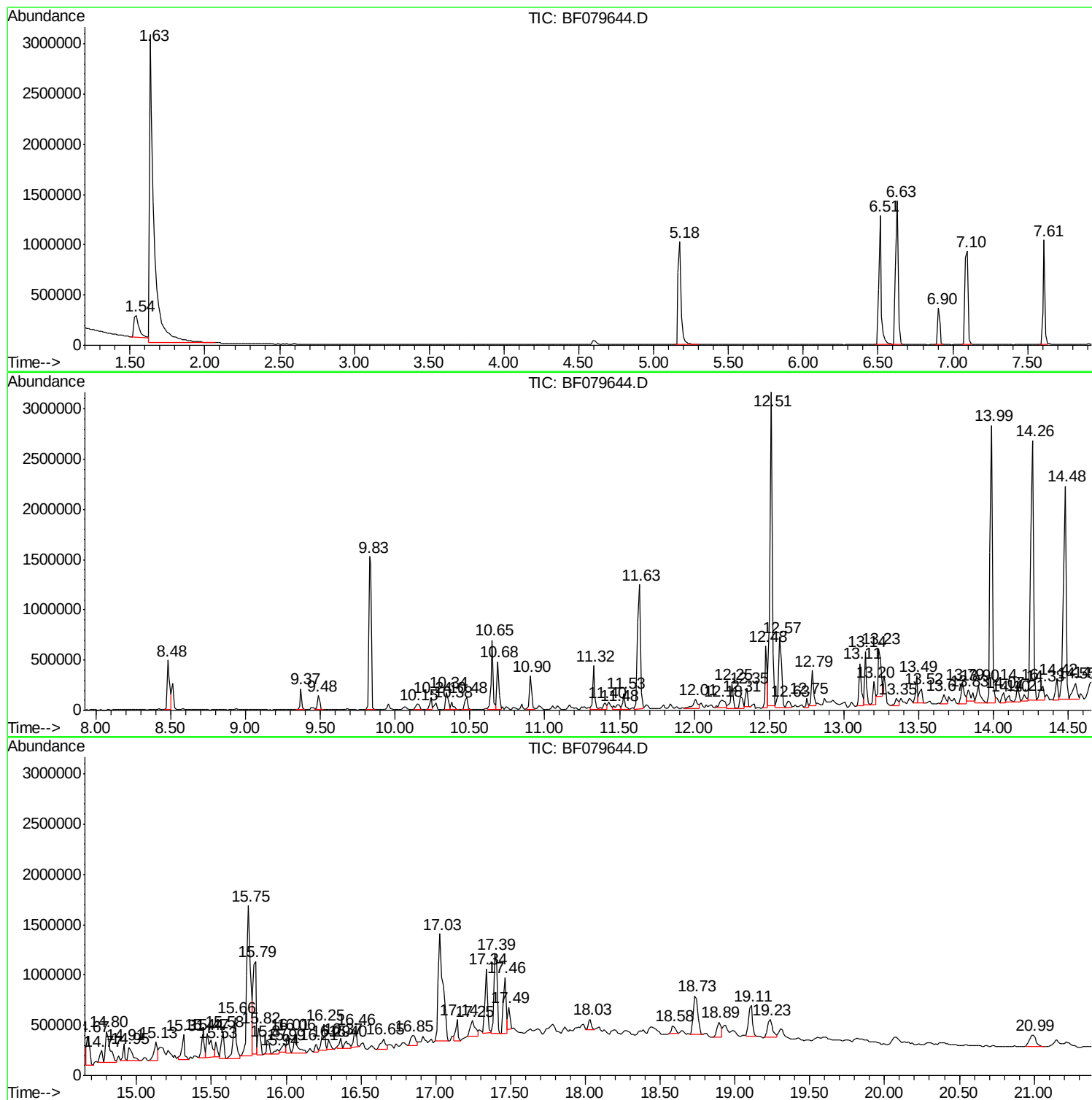
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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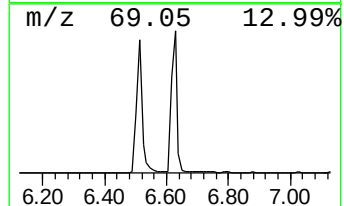
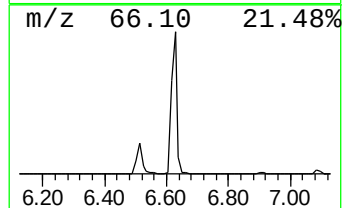
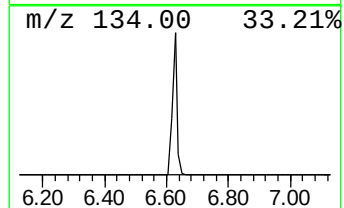
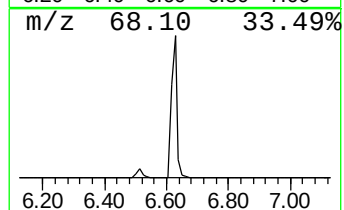
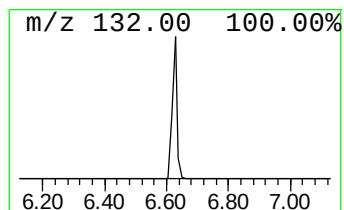
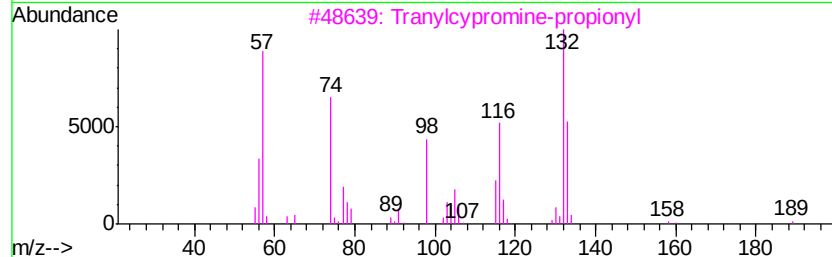
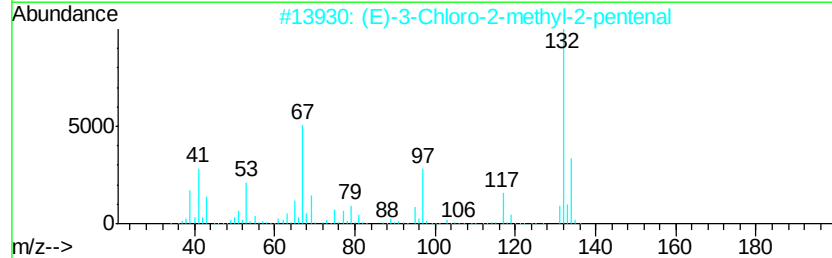
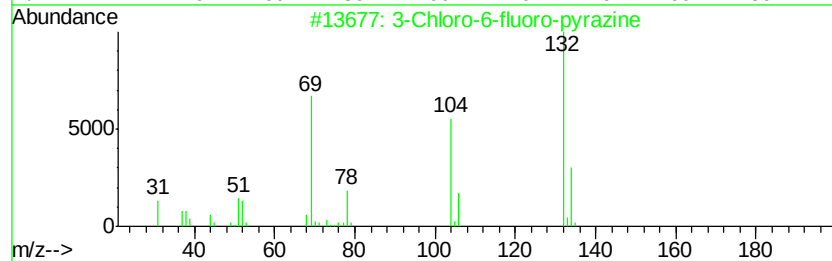
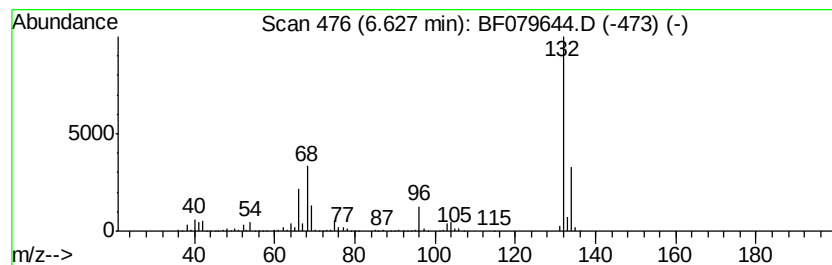
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	80.22 ng	1655170	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Xenon	132	Xe	007440-63-3	9



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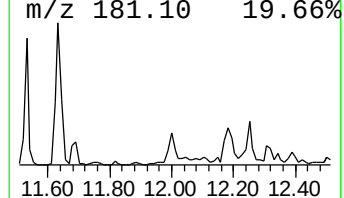
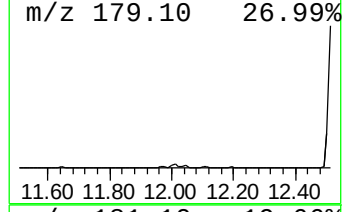
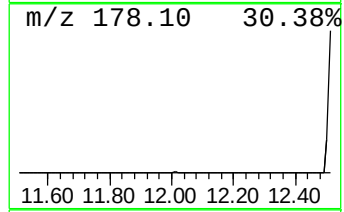
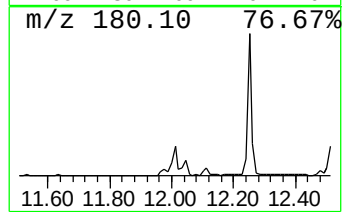
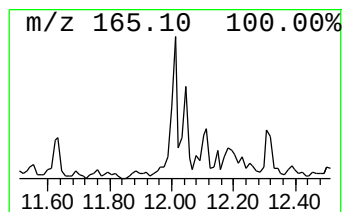
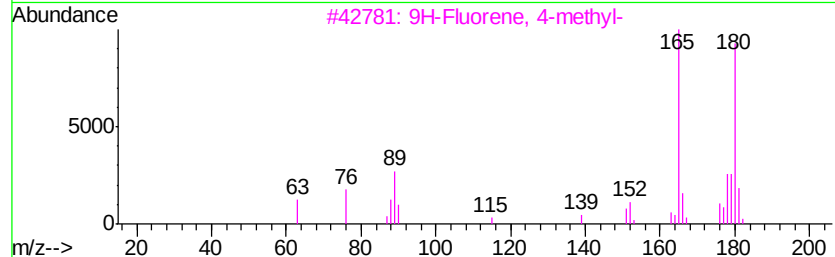
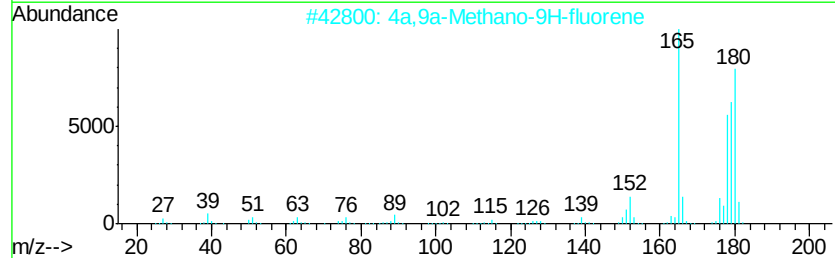
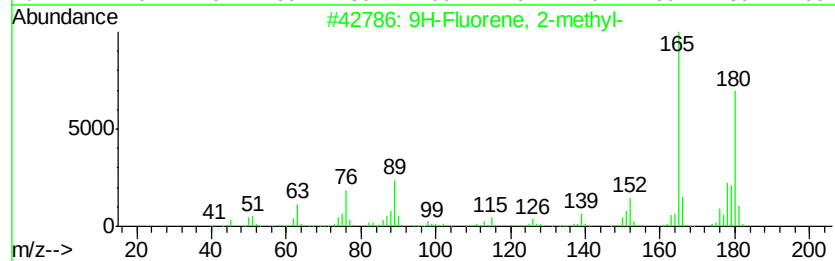
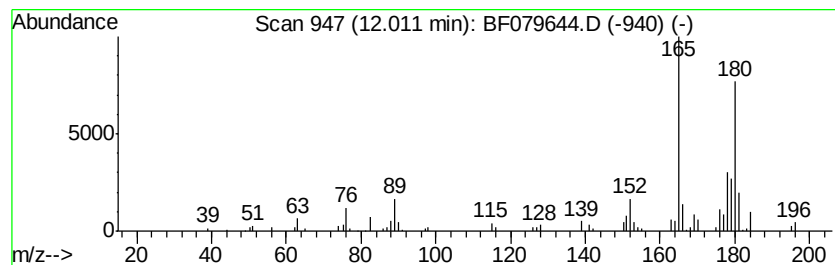
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	6.59 ng	218369	Phenanthrene-d10	12.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
3		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70



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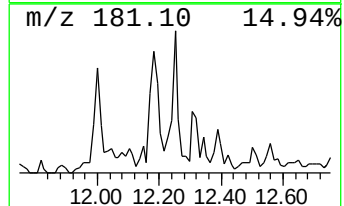
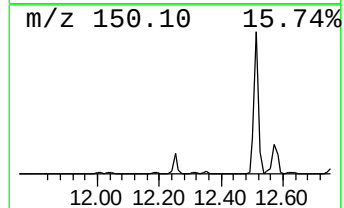
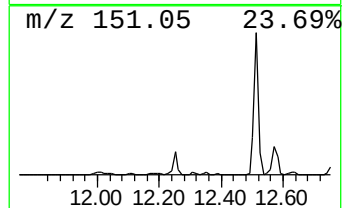
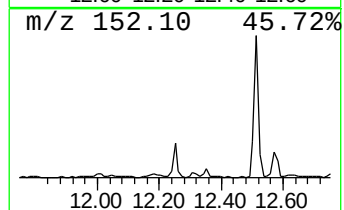
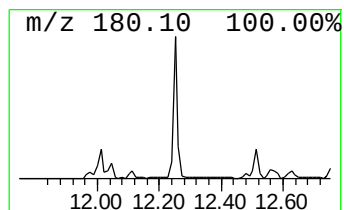
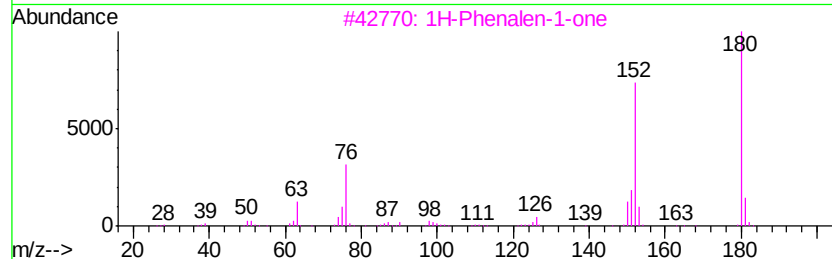
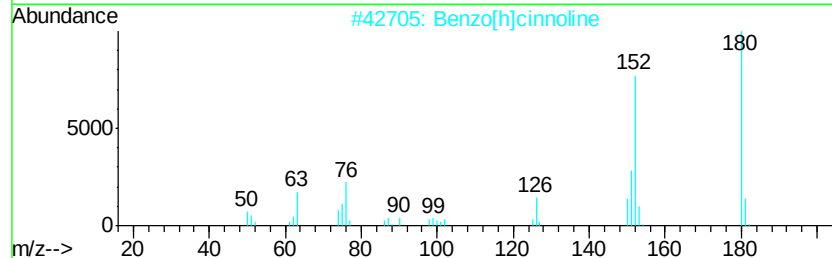
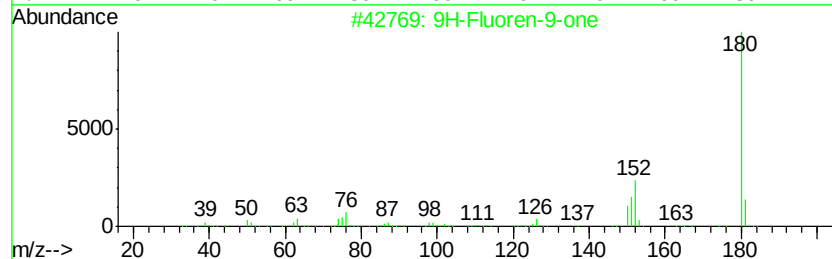
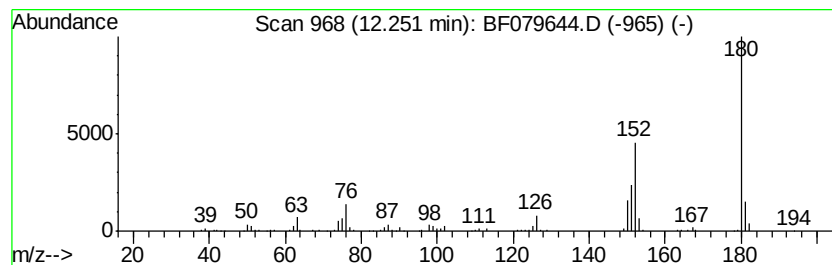
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TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.25	8.39 ng	277761	Phenanthrene-d10		12.48	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4		2-Benzothiazolamine, 4-methoxy-	180	C8H8N2OS	005464-79-9	53
5		6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
Acq On : 31 May 2015 20:33
Operator : TP/IZ
Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21S

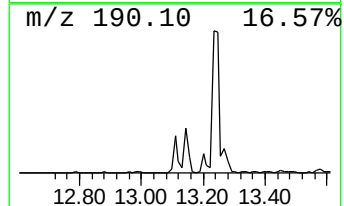
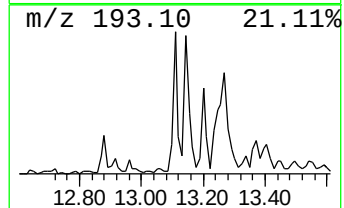
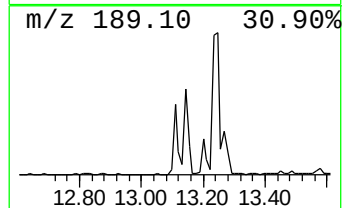
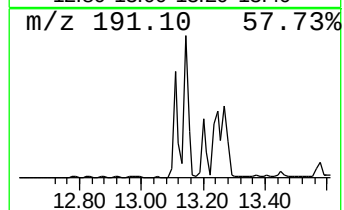
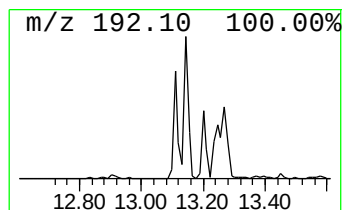
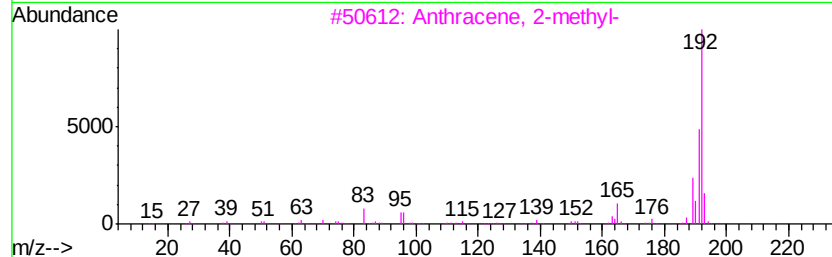
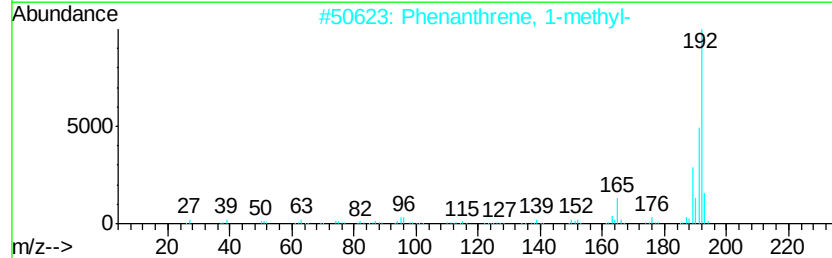
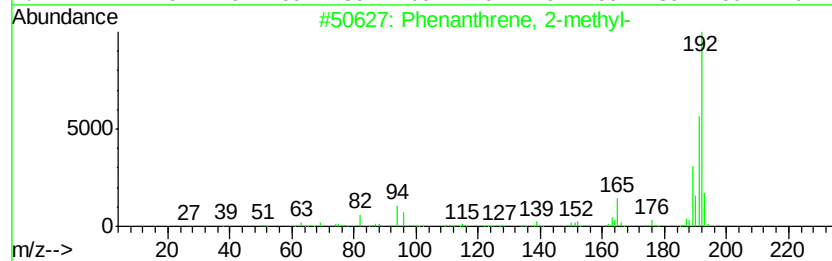
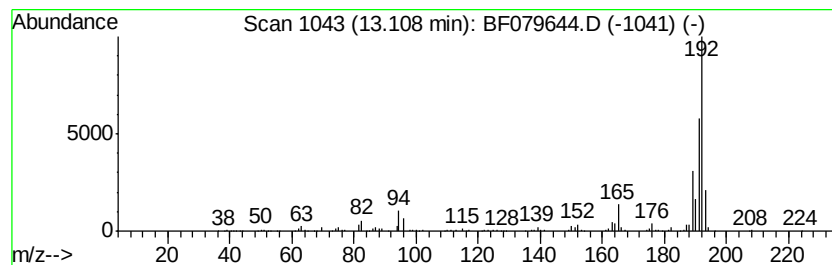
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	13.89 ng	460067	Phenanthrene-d10	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
Acq On : 31 May 2015 20:33
Operator : TP/IZ
Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

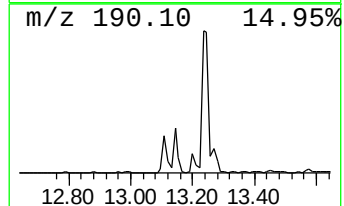
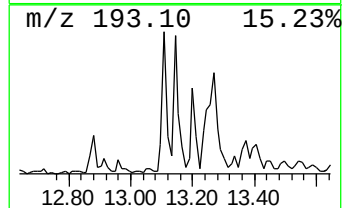
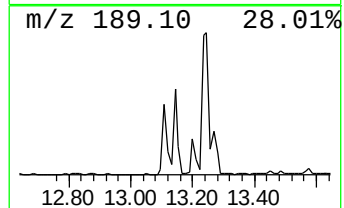
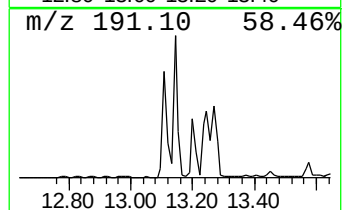
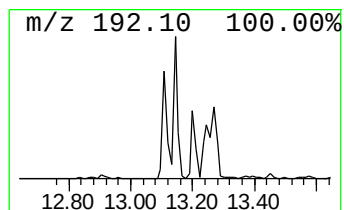
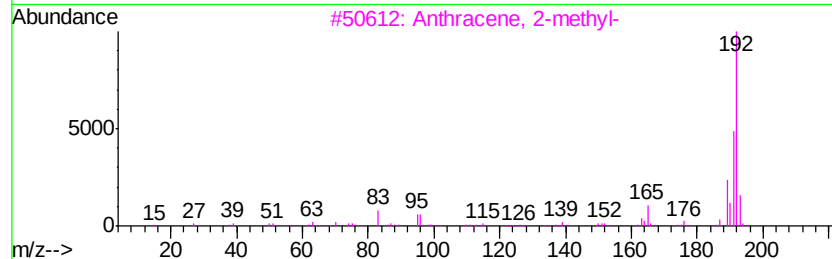
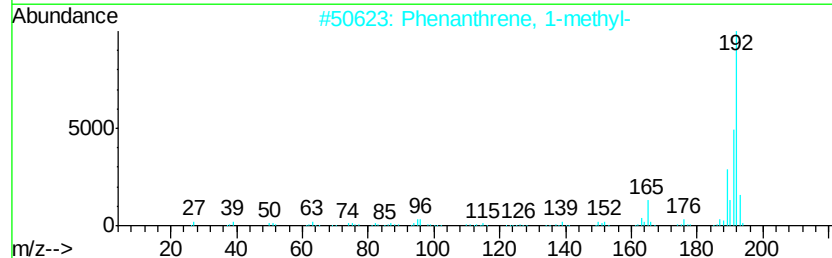
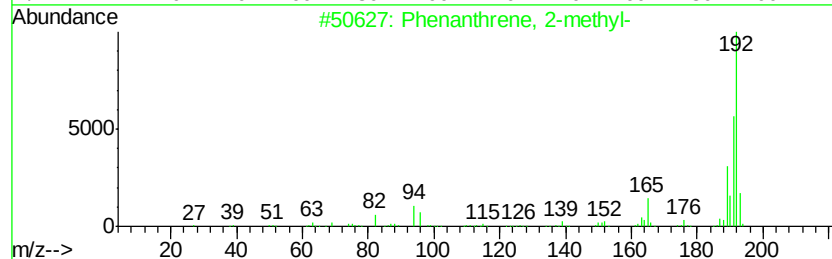
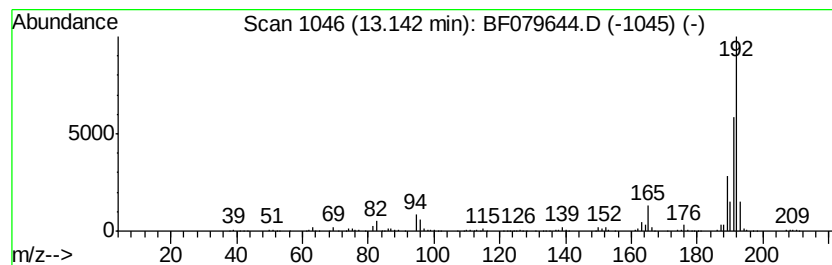
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.14	15.67 ng	519022	Phenanthrene-d10		12.48
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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
Acq On : 31 May 2015 20:33
Operator : TP/IZ
Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

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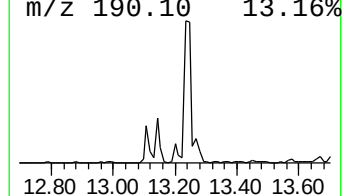
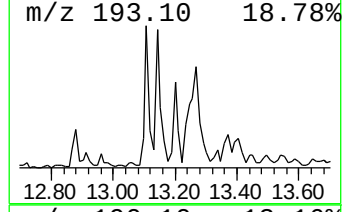
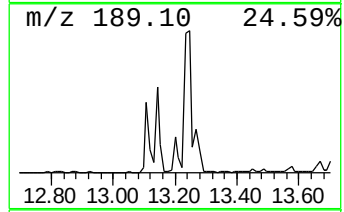
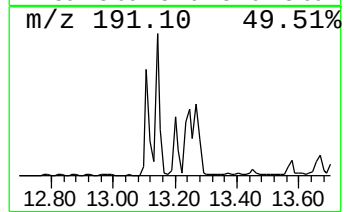
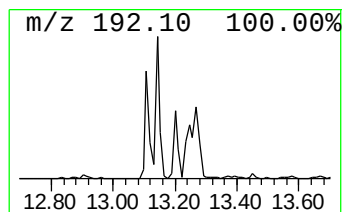
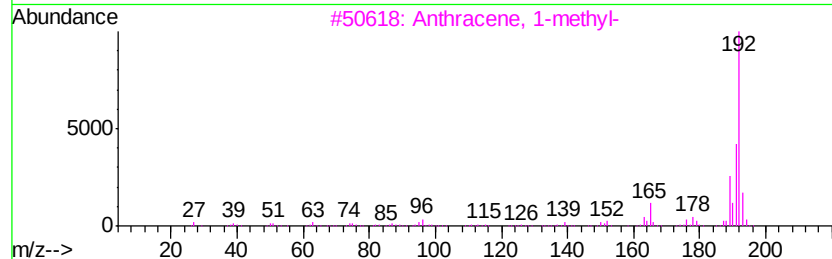
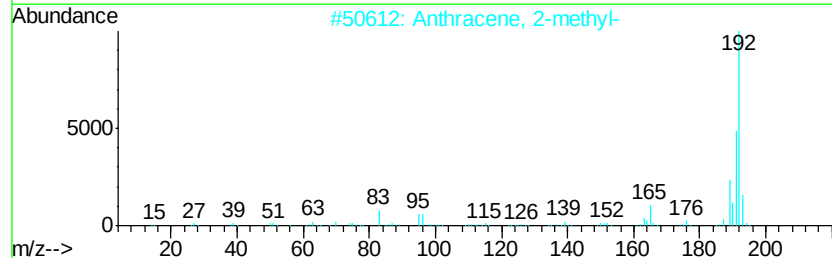
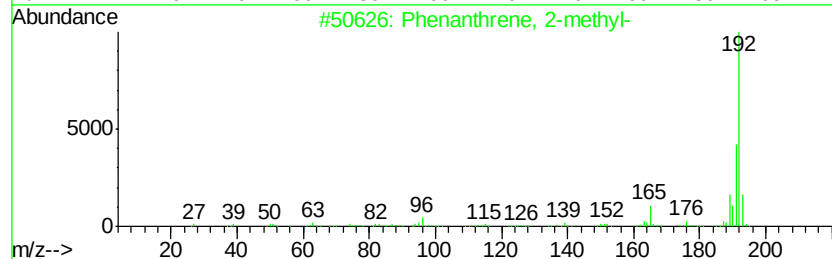
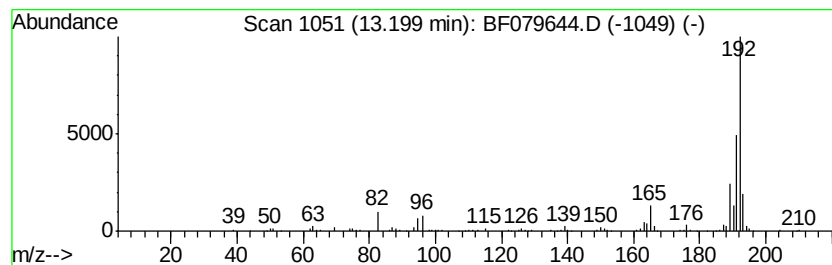
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	7.03 ng	232983	Phenanthrene-d10	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
Acq On : 31 May 2015 20:33
Operator : TP/IZ
Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

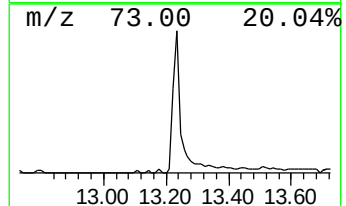
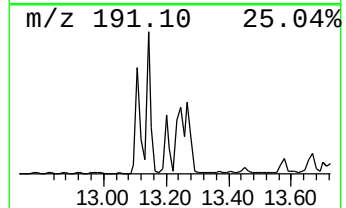
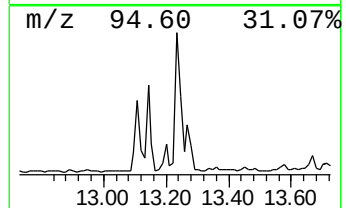
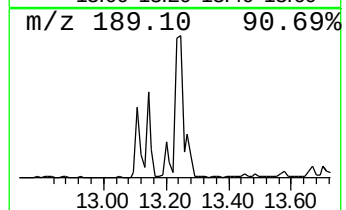
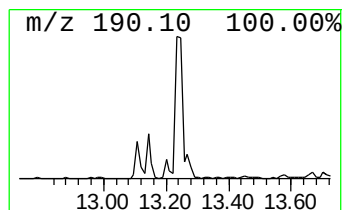
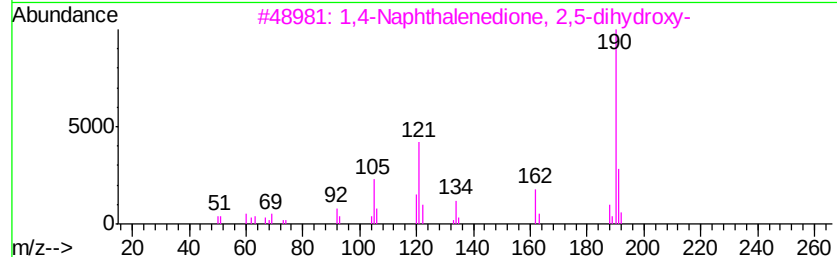
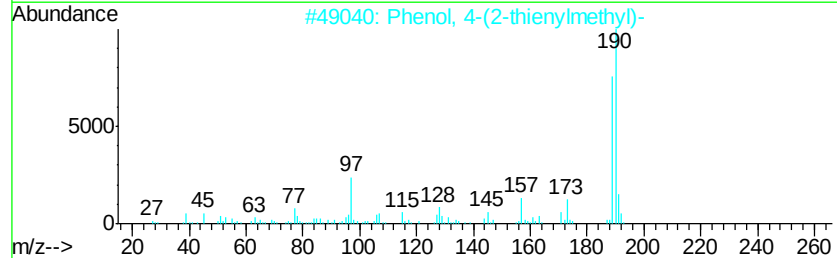
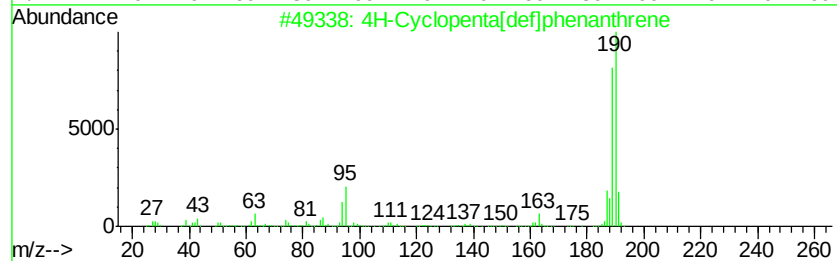
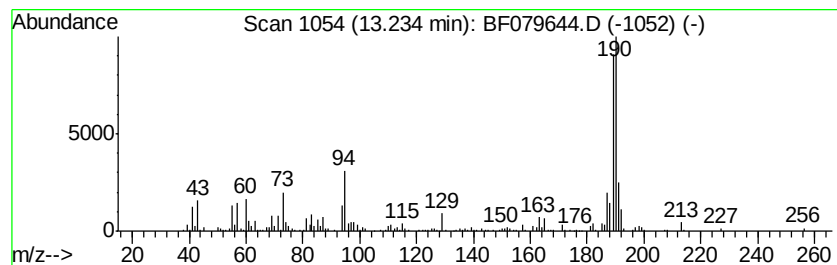
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.23	20.27 ng	671363	Phenanthrene-d10	12.48		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	38
3		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	27
4		Benzo[1,2-b:5,4-b']dithiophene	190	C10H6S2	000267-61-8	25
5		Benzo[1,2-b:3,4-b']dithiophene	190	C10H6S2	000211-02-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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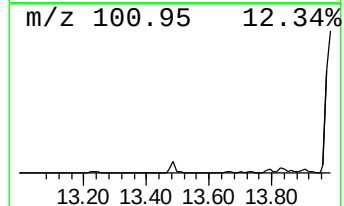
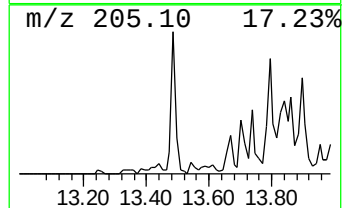
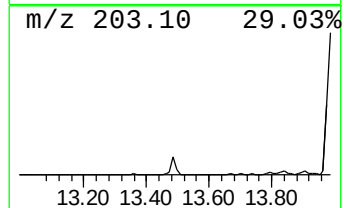
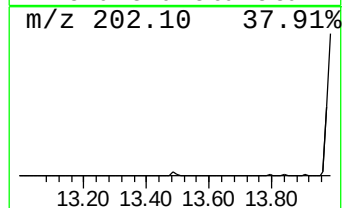
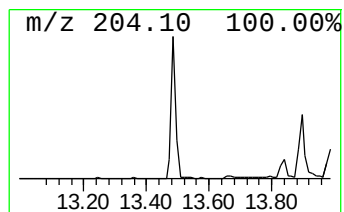
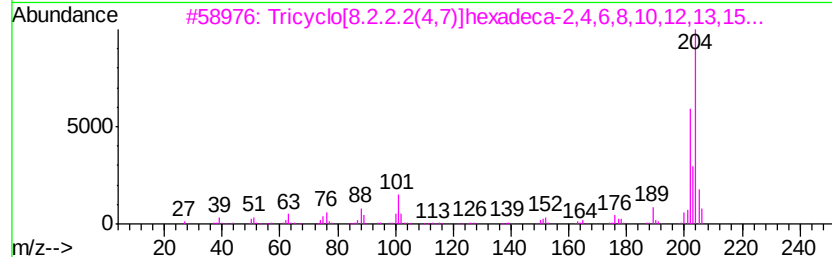
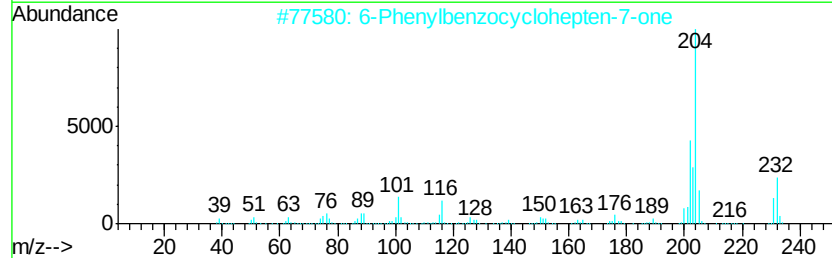
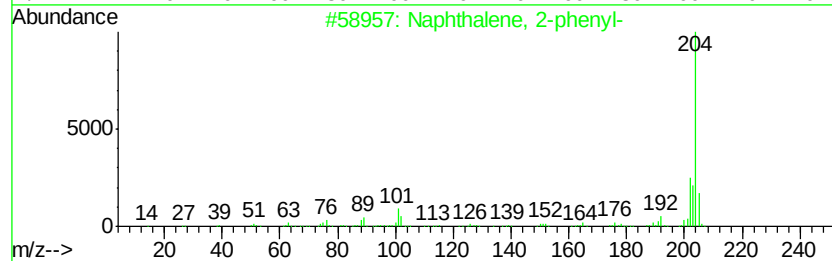
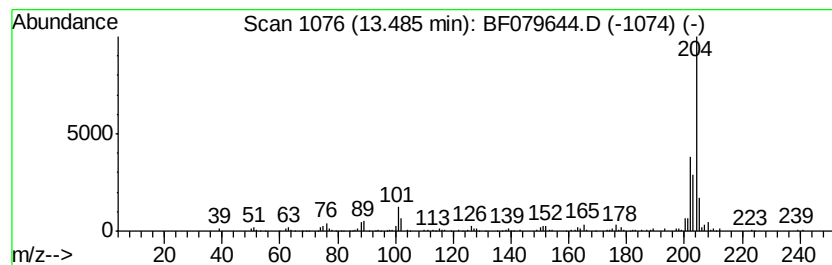
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.49	8.16 ng	270173	Phenanthrene-d10	12.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
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Misc :
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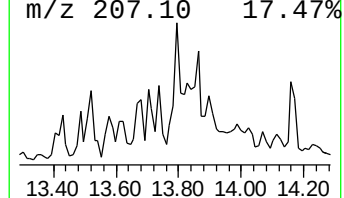
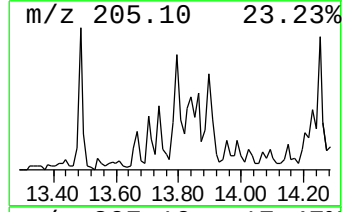
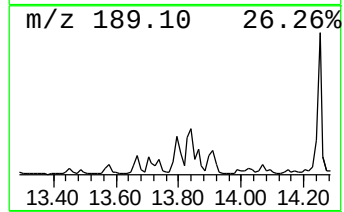
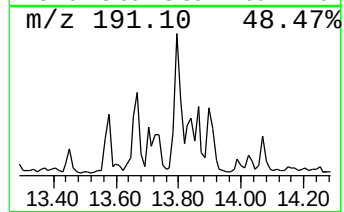
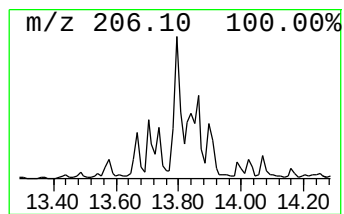
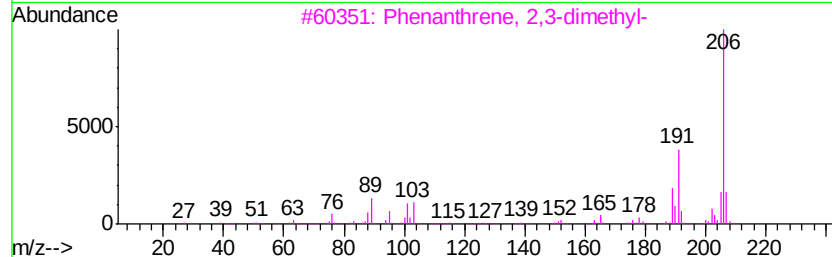
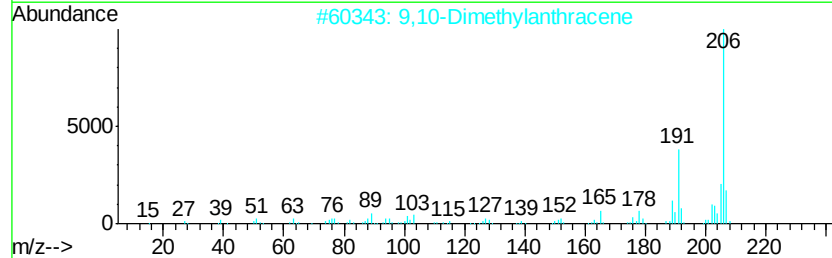
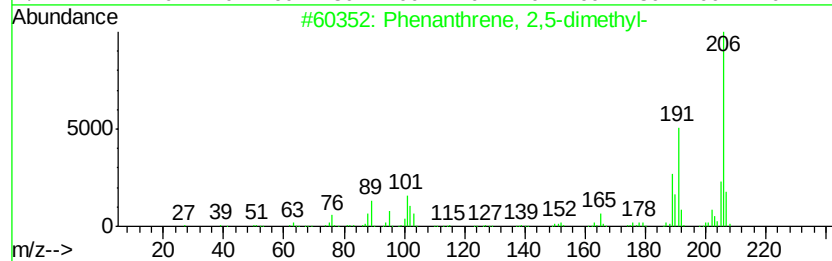
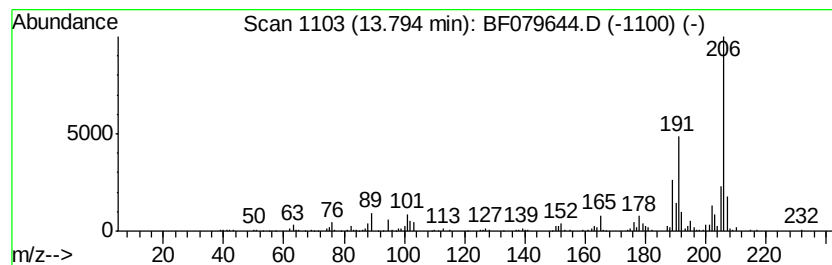
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	8.79 ng	291240	Phenanthrene-d10	12.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
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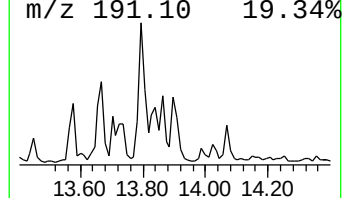
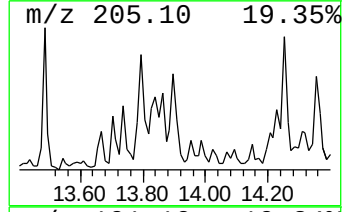
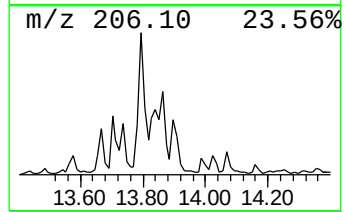
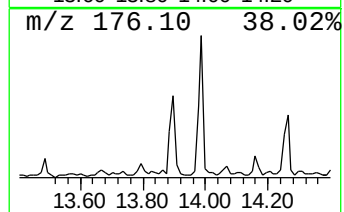
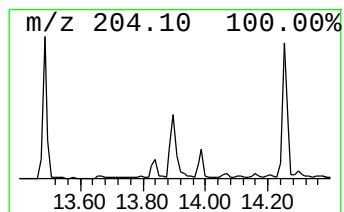
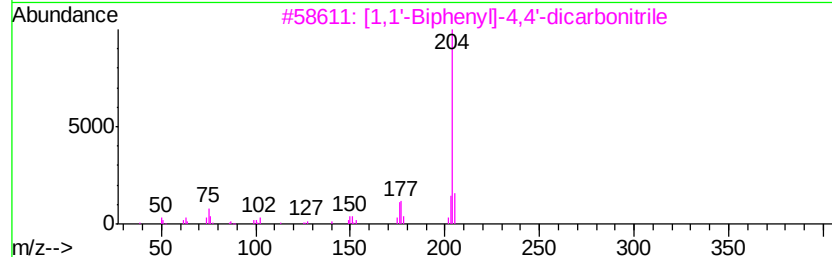
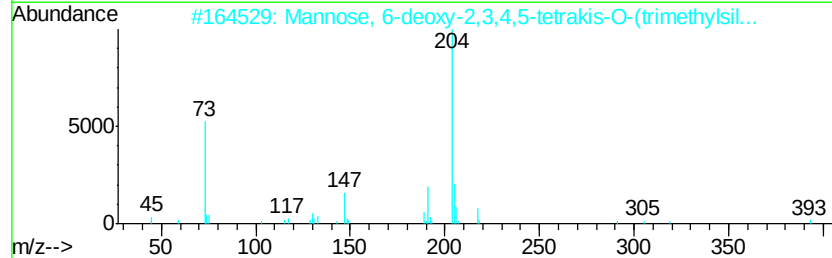
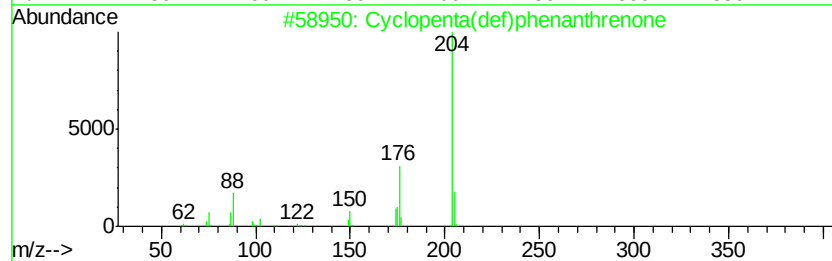
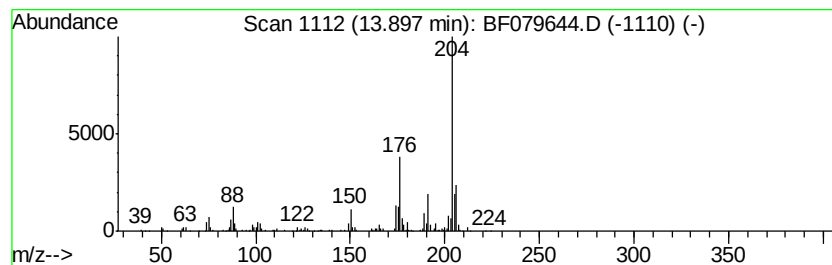
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	8.67 ng	287022	Phenanthrene-d10	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
Acq On : 31 May 2015 20:33
Operator : TP/IZ
Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SB-21S

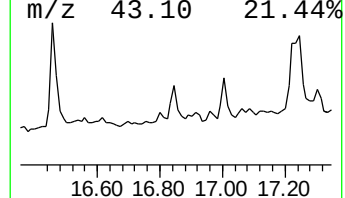
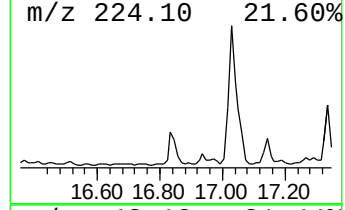
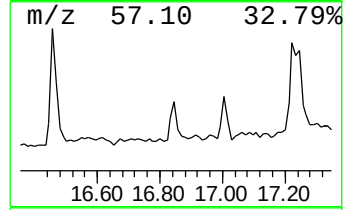
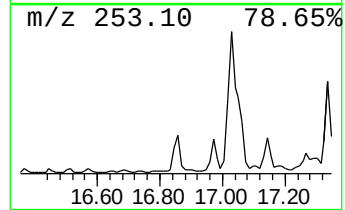
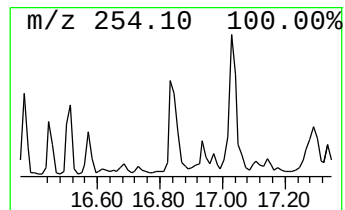
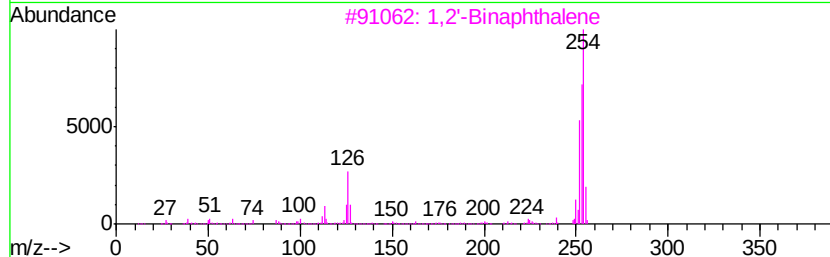
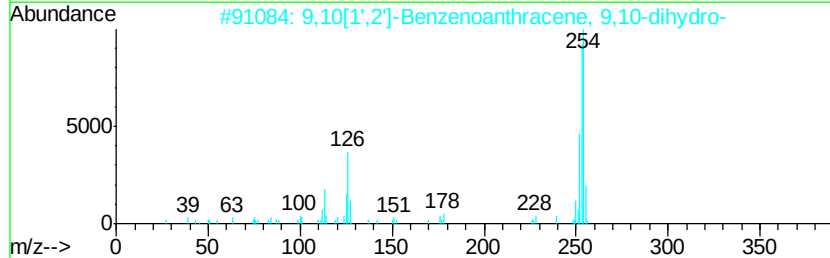
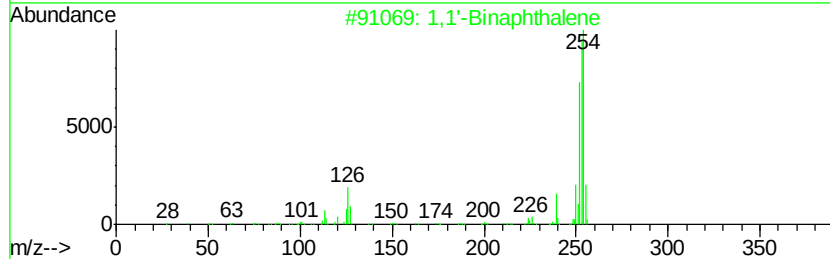
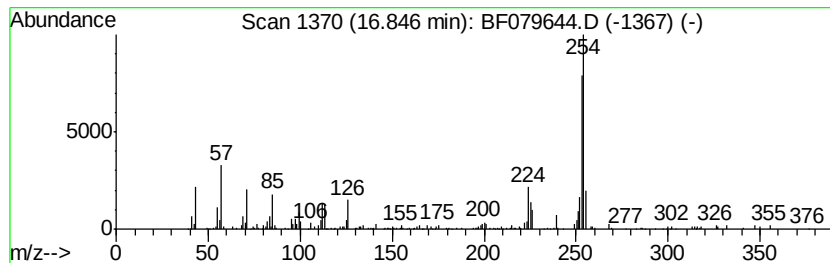
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,1'-Binaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	6.62 ng	235785	Perylene-d12	17.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	72
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
5		1H-Indene, 1,1'-(1,2-ethanediyl...	254	C20H14	072088-04-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
Acq On : 31 May 2015 20:33
Operator : TP/IZ
Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21S

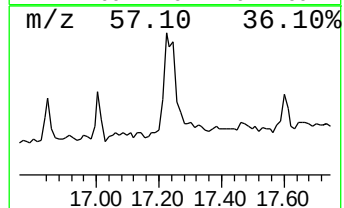
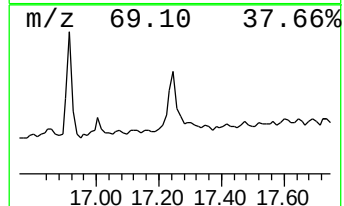
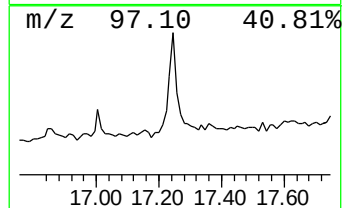
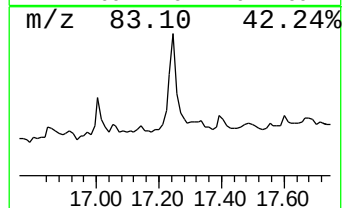
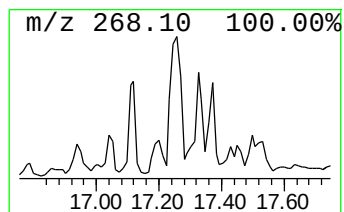
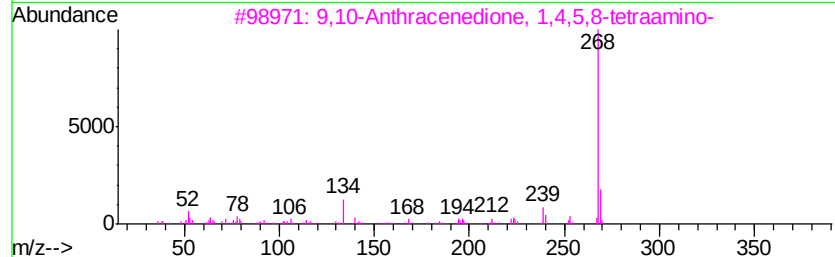
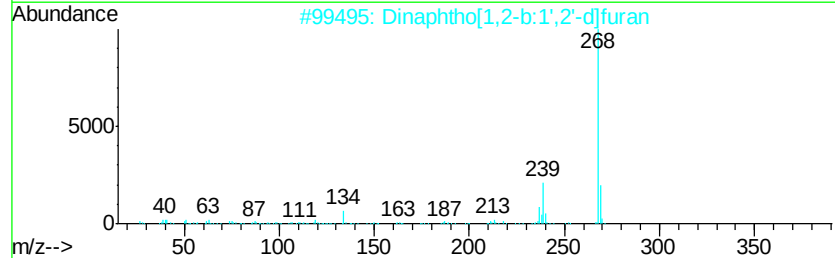
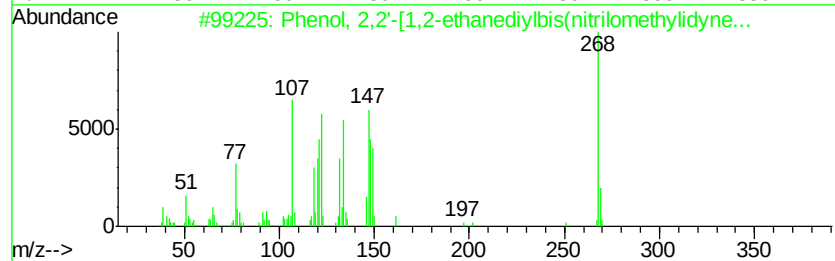
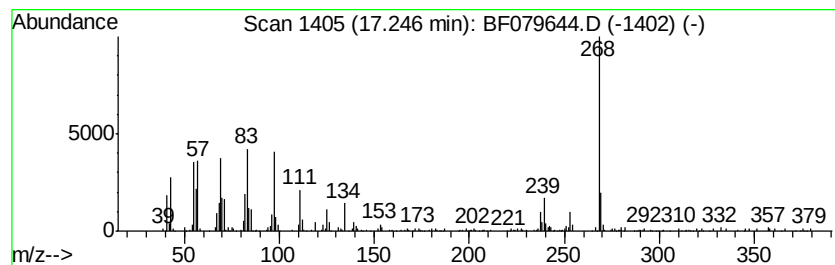
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenol, 2,2'-[1,2-ethanediyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	9.45 ng	336387	Perylene-d12	17.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	83
2		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	50
3		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	43
4		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	43
5		9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079644.D
Acq On : 31 May 2015 20:33
Operator : TP/IZ
Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

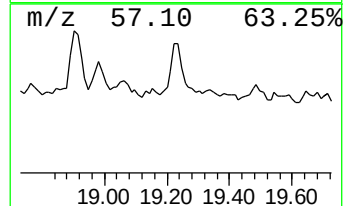
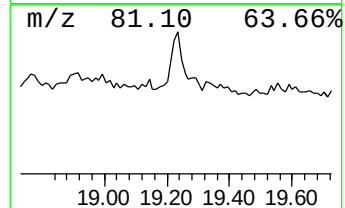
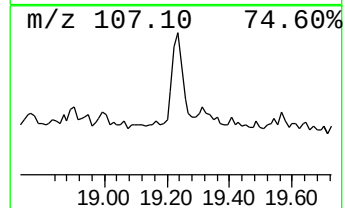
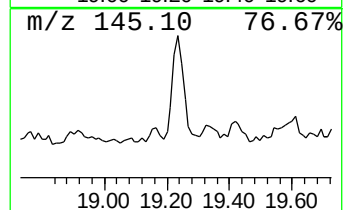
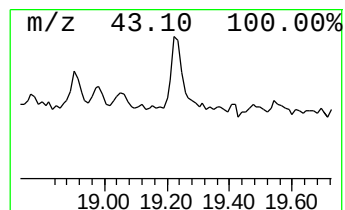
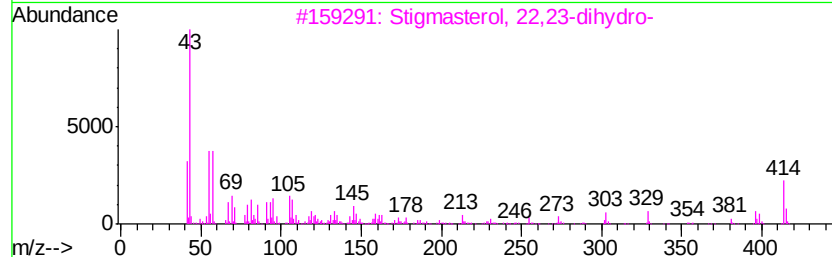
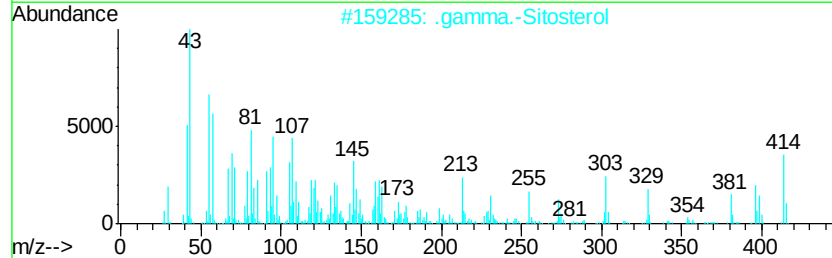
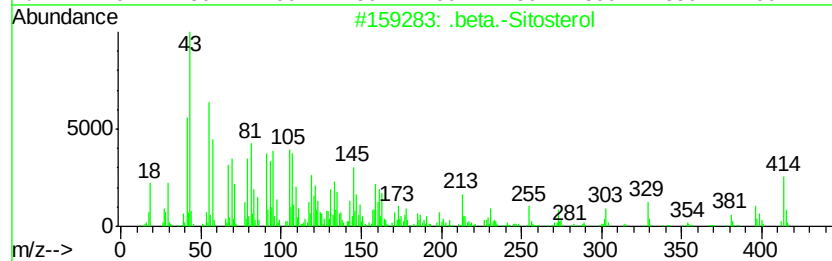
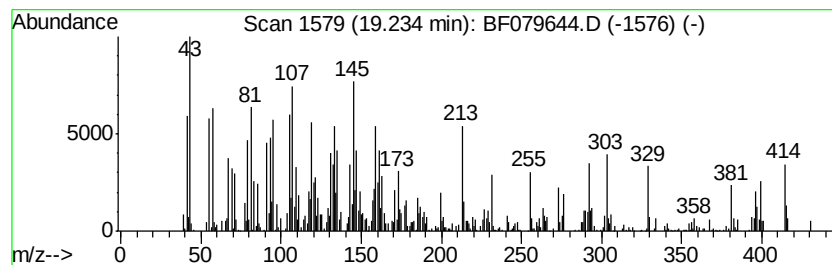
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 .beta.-Sitosterol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.23	10.92 ng	388587	Perylene-d12	17.46		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-Sitosterol	414	C29H50O	000083-46-5	99
2		.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
3		Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	74
4		Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	68
5		5-O-Tolylcarbamoyl-3H-imidazole-...	273	C14H15N3O3	313251-31-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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Sample : G2408-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

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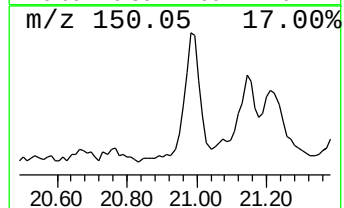
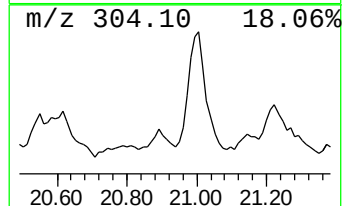
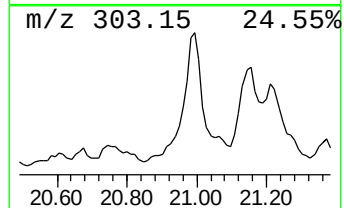
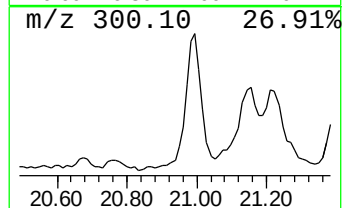
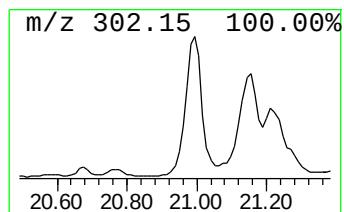
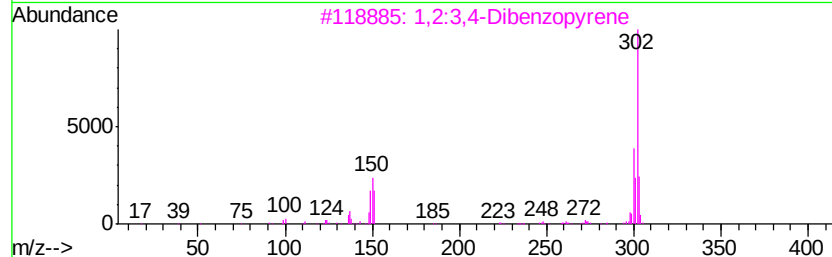
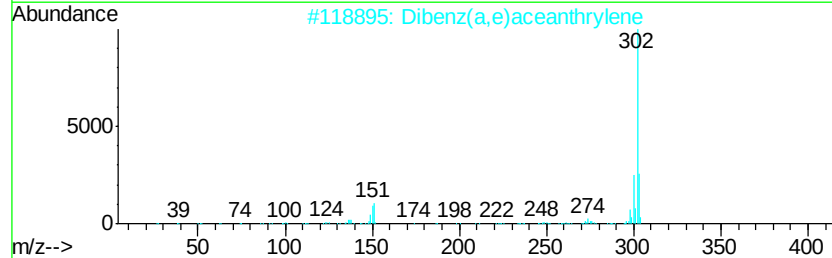
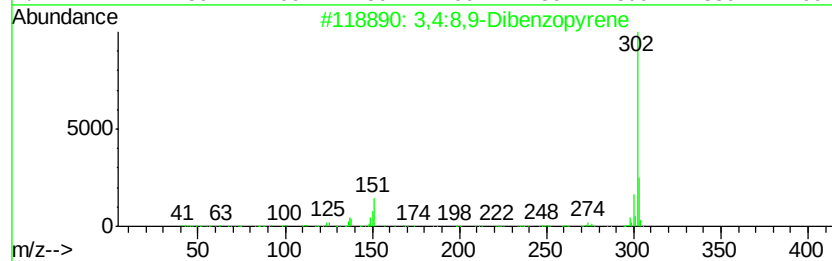
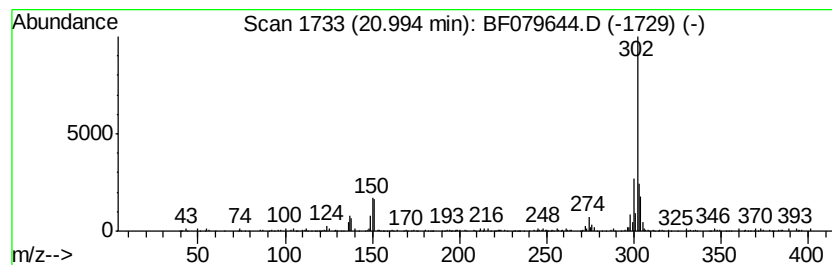
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	9.51 ng	338640	Perylene-d12	17.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94
2			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3			1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	91
4			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	86
5			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079644.D
 Acq On : 31 May 2015 20:33
 Operator : TP/IZ
 Sample : G2408-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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
unknown6.63	6.63	80.2	ng	1655170	1	6.90	412674	20.0
9H-Fluorene, 2-me...	12.01	6.6	ng	218369	4	12.48	662397	20.0
9H-Fluoren-9-one	12.25	8.4	ng	277761	4	12.48	662397	20.0
Phenanthrene, 2-m...	13.11	13.9	ng	460067	4	12.48	662397	20.0
Phenanthrene, 1-m...	13.14	15.7	ng	519022	4	12.48	662397	20.0
Anthracene, 2-met...	13.20	7.0	ng	232983	4	12.48	662397	20.0
4H-Cyclopenta[def...	13.23	20.3	ng	671363	4	12.48	662397	20.0
Naphthalene, 2-ph...	13.49	8.2	ng	270173	4	12.48	662397	20.0
Phenanthrene, 2,5...	13.79	8.8	ng	291240	4	12.48	662397	20.0
Cyclopenta(def)ph...	13.90	8.7	ng	287022	4	12.48	662397	20.0
1,1'-Binaphthalene	16.85	6.6	ng	235785	6	17.46	711941	20.0
Phenol, 2,2'-[1,2...	17.25	9.4	ng	336387	6	17.46	711941	20.0
.beta.-Sitosterol	19.23	10.9	ng	388587	6	17.46	711941	20.0
3,4:8,9-Dibenzopy...	20.99	9.5	ng	338640	6	17.46	711941	20.0