

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081838.D
 Acq On : 26 Sep 2015 20:27
 Operator : UM/IZ
 Sample : G3779-04
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-20

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-BF092415.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	5.132	259	262	265	rBV	913053	1559450	6.78%	0.437%
2	5.543	294	298	300	rBV	2577709	3192176	13.87%	0.896%
3	6.560	384	387	390	rVB	2121360	3151310	13.69%	0.884%
4	6.709	397	400	402	rBV	2934386	3205015	13.92%	0.899%
5	7.097	431	434	435	rBV	2656481	2425282	10.54%	0.680%
6	7.509	467	470	471	rBV	2010783	2030251	8.82%	0.570%
7	8.263	529	536	538	rBV	5921274	10665756	46.34%	2.992%
8	8.949	593	596	598	rVV	3410136	3983104	17.31%	1.117%
9	9.040	601	604	606	rVB	2457953	2172106	9.44%	0.609%
10	9.303	625	627	629	rVB	3394716	2906841	12.63%	0.816%
11	9.406	634	636	638	rVB	1623511	1417495	6.16%	0.398%
12	9.566	647	650	652	rVB	843828	1157748	5.03%	0.325%
13	9.635	654	656	658	rBV	980143	1409142	6.12%	0.395%
14	9.761	663	667	671	rVB2	504177	804113	3.49%	0.226%
15	9.841	672	674	677	rVB	1064127	979849	4.26%	0.275%
16	9.989	683	687	688	rBV2	773124	1505600	6.54%	0.422%
17	10.023	688	690	692	rVV	4697508	5154930	22.40%	1.446%
18	10.195	702	705	712	rVB	4127862	5009759	21.77%	1.405%
19	10.389	718	722	725	rVB4	419014	1022984	4.44%	0.287%
20	10.538	732	735	737	rVB	4178452	4530449	19.68%	1.271%
21	10.595	737	740	741	rBV	563845	878303	3.82%	0.246%
22	10.686	747	748	751	rVB	1469703	1184475	5.15%	0.332%
23	10.778	753	756	758	rBV	2604430	3189655	13.86%	0.895%
24	11.075	779	782	784	rBV3	711301	1323426	5.75%	0.371%
25	11.224	791	795	798	rBV4	394930	1318736	5.73%	0.370%
26	11.292	798	801	802	rVB	2479064	3086975	13.41%	0.866%
27	11.372	806	808	812	rVB	2519015	2524618	10.97%	0.708%
28	11.544	812	823	824	rBV	7481469	23016849	100.00%	6.457%
29	11.578	824	826	830	rVB2	5592231	7257095	31.53%	2.036%
30	11.726	834	839	841	rBV	4639516	7805331	33.91%	2.190%
31	11.772	841	843	845	rVV2	717962	778382	3.38%	0.218%
32	11.978	859	861	862	rBV	2441558	2546294	11.06%	0.714%
33	12.012	862	864	866	rVB	3830232	3573169	15.52%	1.002%
34	12.058	866	868	869	rBV	1399786	1312291	5.70%	0.368%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.104	869	872	875	rVB2	3067156	5754270	25.00%	1.614%
36	12.275	885	887	888	rVV	2372639	2092166	9.09%	0.587%
37	12.309	888	890	892	rVB	1257505	1568582	6.81%	0.440%
38	12.527	907	909	911	rBV	865451	1290505	5.61%	0.362%
39	12.561	911	912	916	rVV2	463216	914190	3.97%	0.256%
40	12.652	916	920	922	rVV	1496118	2441972	10.61%	0.685%
41	12.732	922	927	929	rVV	7028538	21771744	94.59%	6.108%
42	12.767	929	930	935	rVB3	1001529	1238459	5.38%	0.347%
43	12.858	935	938	940	rBV	1337283	1931021	8.39%	0.542%
44	12.949	940	946	951	rVB3	7031087	22396057	97.30%	6.283%
45	13.064	952	956	957	rBV2	2037143	3896775	16.93%	1.093%
46	13.144	960	963	965	rBV2	1428144	3028871	13.16%	0.850%
47	13.178	965	966	968	rVV	1830263	1404099	6.10%	0.394%
48	13.235	968	971	972	rVV3	1446150	2847665	12.37%	0.799%
49	13.258	972	973	974	rVB	1791812	1229183	5.34%	0.345%
50	13.315	977	978	980	rVV	1130508	1369768	5.95%	0.384%
51	13.361	980	982	985	rVV3	1975780	3853743	16.74%	1.081%
52	13.407	985	986	988	rVV	520045	750346	3.26%	0.211%
53	13.452	988	990	991	rVV	1172279	1257297	5.46%	0.353%
54	13.475	991	992	996	rVV2	978078	1796666	7.81%	0.504%
55	13.647	1003	1007	1008	rVV3	474968	1024374	4.45%	0.287%
56	13.681	1008	1010	1013	rVV3	638809	1139657	4.95%	0.320%
57	13.772	1013	1018	1020	rVV	2638667	4184842	18.18%	1.174%
58	13.875	1024	1027	1028	rVV	2828907	3497826	15.20%	0.981%
59	13.910	1028	1030	1031	rVV	2006483	3217337	13.98%	0.903%
60	13.932	1031	1032	1035	rVV3	2547404	3990815	17.34%	1.120%
61	13.990	1035	1037	1039	rVV	2417156	3054323	13.27%	0.857%
62	14.047	1039	1042	1044	rVV	684726	1269116	5.51%	0.356%
63	14.138	1044	1050	1053	rVV3	5500213	21192159	92.07%	5.945%
64	14.184	1053	1054	1056	rVV	5850024	5420198	23.55%	1.521%
65	14.252	1056	1060	1061	rVV	2140758	3061469	13.30%	0.859%
66	14.275	1061	1062	1064	rVV2	941740	1666475	7.24%	0.468%
67	14.321	1064	1066	1067	rVV2	1547981	1989206	8.64%	0.558%
68	14.355	1067	1069	1075	rVV3	2009249	4824537	20.96%	1.354%
69	14.447	1075	1077	1078	rVV2	573650	743006	3.23%	0.208%
70	14.481	1078	1080	1081	rVV	1180858	1791423	7.78%	0.503%
71	14.515	1081	1083	1085	rVV	2314774	3134326	13.62%	0.879%

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72	14.550	1085	1086	1088	rVV	1400004	1458274	6.34%	0.409%
73	14.595	1088	1090	1092	rVV3	832836	1714743	7.45%	0.481%
74	14.641	1092	1094	1098	rVV3	1311609	2811497	12.21%	0.789%
75	14.710	1098	1100	1103	rVV3	804246	1252099	5.44%	0.351%
76	14.835	1108	1111	1115	rVV3	835375	2026248	8.80%	0.568%
77	15.018	1124	1127	1129	rVV	1135062	1612666	7.01%	0.452%
78	15.133	1134	1137	1138	rBV	514430	955663	4.15%	0.268%
79	15.224	1138	1145	1150	rVV2	5186997	19992696	86.86%	5.609%
80	15.304	1150	1152	1154	rVV	1667287	1811079	7.87%	0.508%
81	15.373	1156	1158	1161	rBV2	562091	1248196	5.42%	0.350%
82	15.441	1161	1164	1166	rVV2	503330	1036049	4.50%	0.291%
83	15.510	1166	1170	1173	rVV2	3198352	8090050	35.15%	2.270%
84	15.590	1173	1177	1179	rVV	4007703	8704886	37.82%	2.442%
85	15.670	1181	1184	1186	rVV2	2537852	4321563	18.78%	1.212%
86	16.538	1254	1260	1266	rVB4	317035	1001696	4.35%	0.281%
87	16.641	1266	1269	1272	rBV3	352852	872231	3.79%	0.245%
88	16.767	1277	1280	1287	rVB4	443991	1449333	6.30%	0.407%
89	16.904	1287	1292	1294	rBV2	621004	1797385	7.81%	0.504%
90	16.973	1297	1298	1304	rVB	435263	814723	3.54%	0.229%
91	17.144	1304	1313	1315	rBV	2410196	8388483	36.44%	2.353%
92	17.281	1319	1325	1328	rBV3	783297	2267174	9.85%	0.636%
93	17.338	1328	1330	1333	rBV2	420925	781748	3.40%	0.219%
94	17.601	1344	1353	1356	rVV	1827697	6205384	26.96%	1.741%
95	17.796	1366	1370	1376	rVB3	537218	1531021	6.65%	0.430%
96	19.007	1470	1476	1483	rVB	371274	1246998	5.42%	0.350%
97	19.842	1538	1549	1555	rVB2	643281	2931040	12.73%	0.822%
98	20.036	1556	1566	1569	rBV	442387	2211725	9.61%	0.620%
99	20.664	1615	1621	1630	rVB2	148342	752242	3.27%	0.211%
100	20.985	1639	1649	1650	rBV3	227438	1047347	4.55%	0.294%

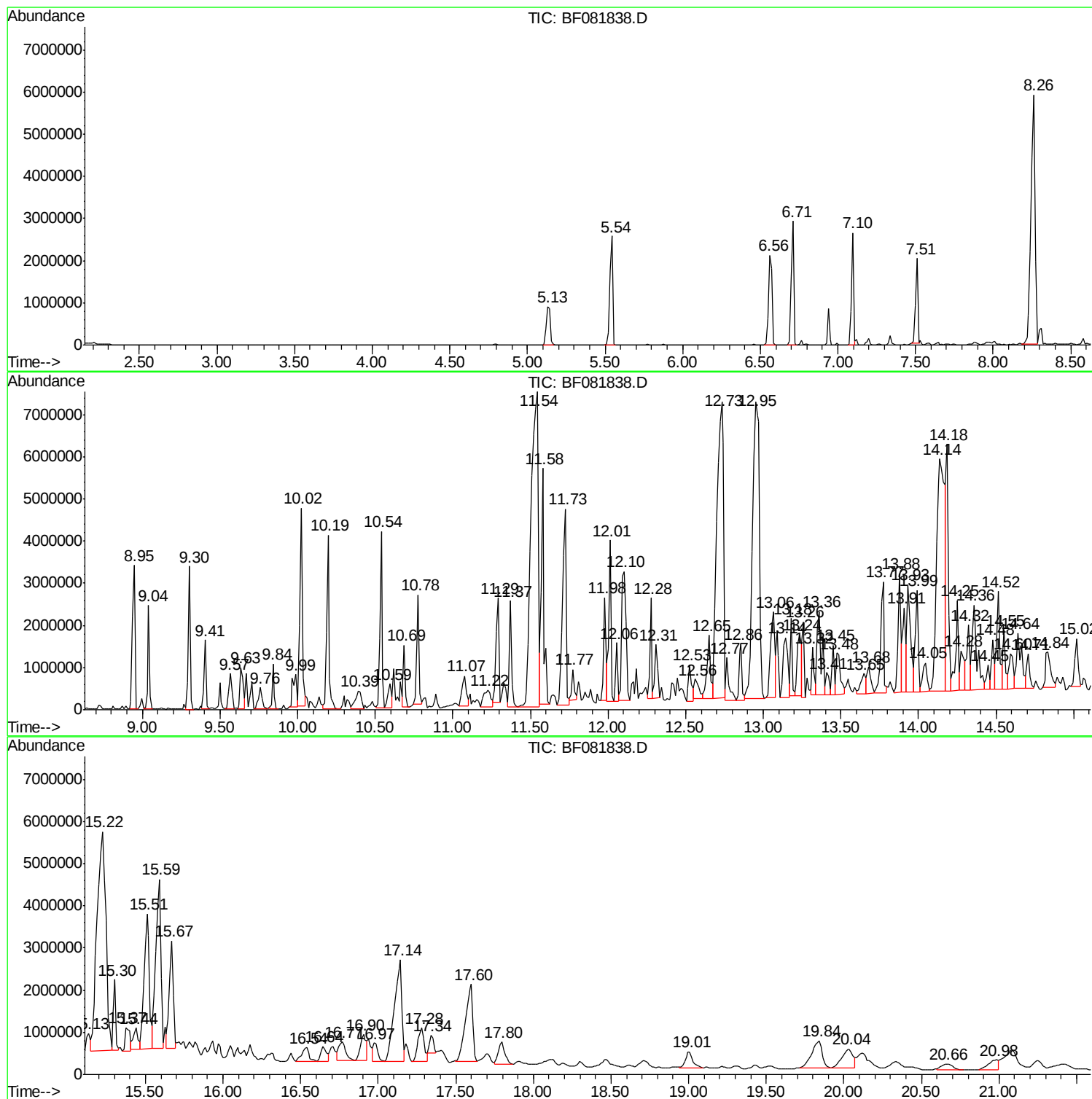
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Instrument :
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ClientSampled :
S2-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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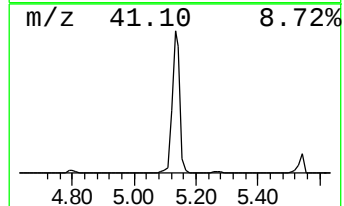
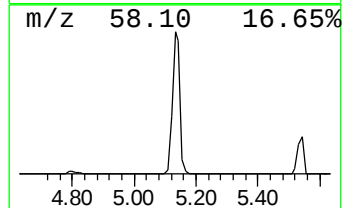
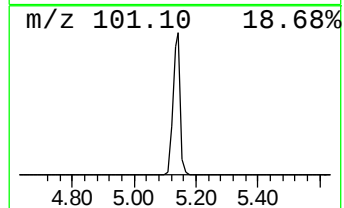
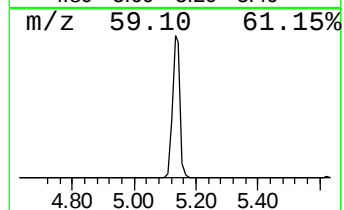
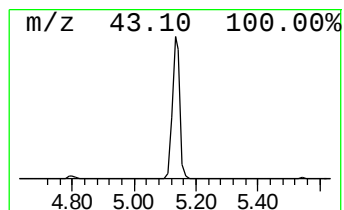
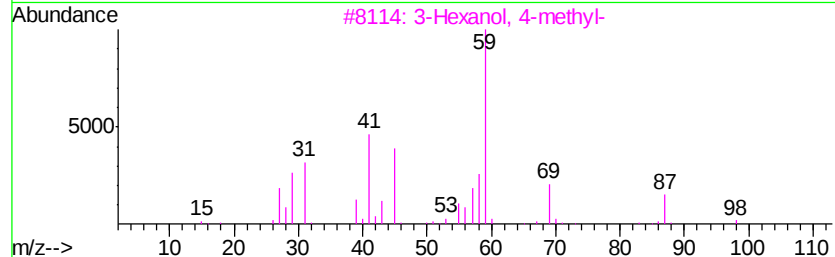
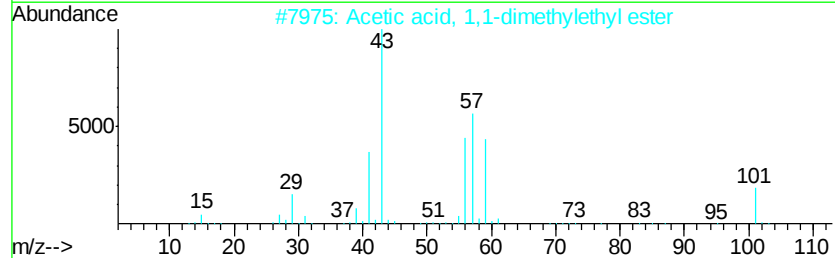
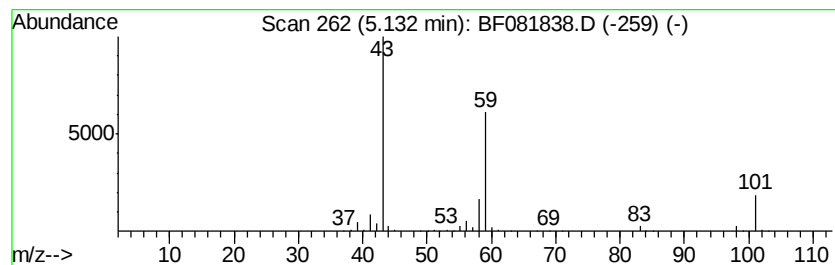
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	12.86 ng	1559450	1,4-Dichlorobenzene-d4	6.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33



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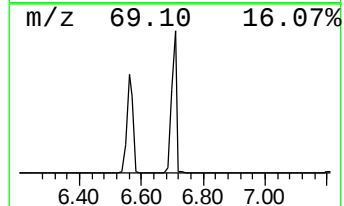
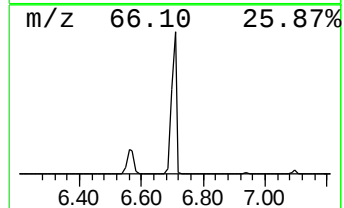
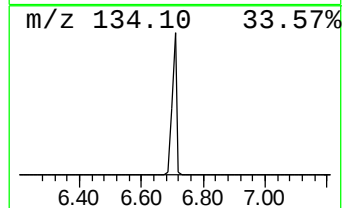
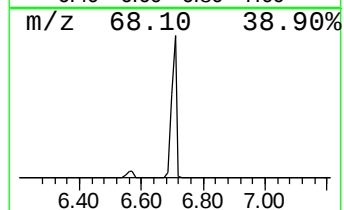
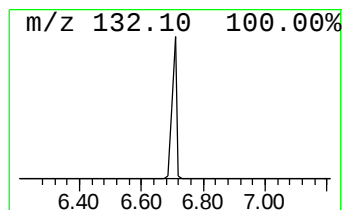
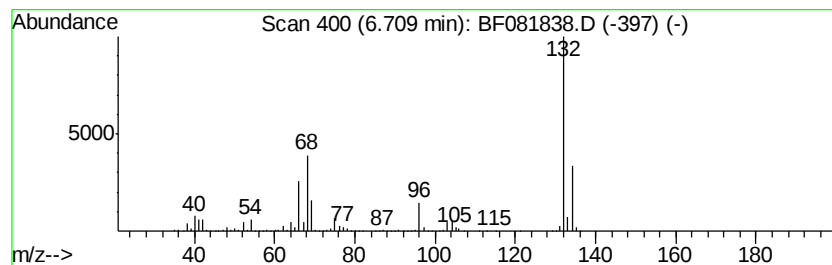
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	26.43 ng	3205020	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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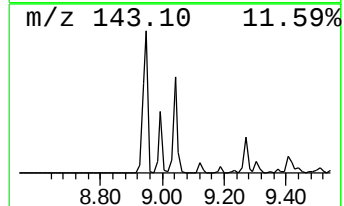
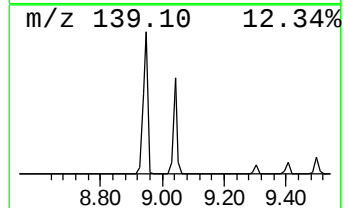
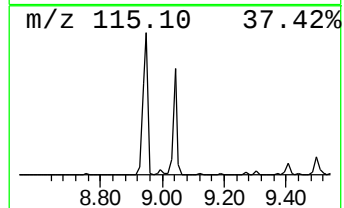
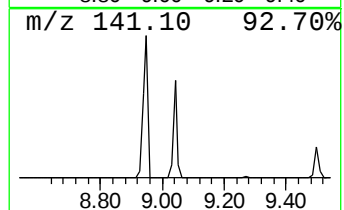
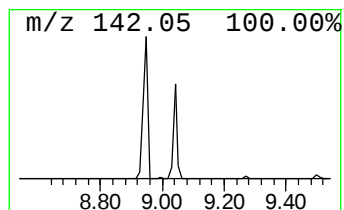
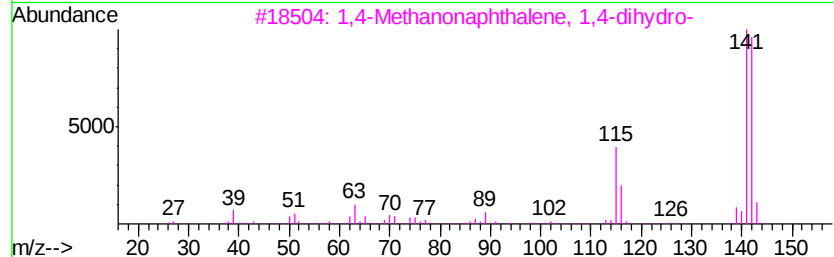
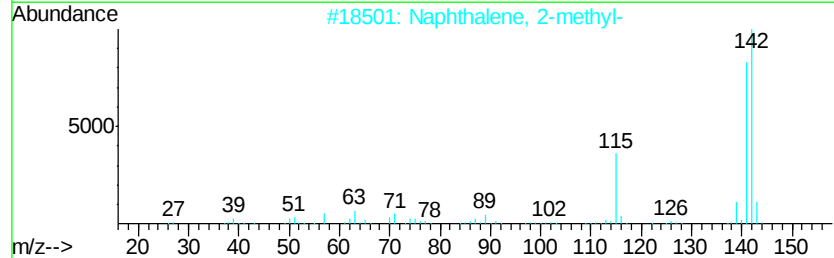
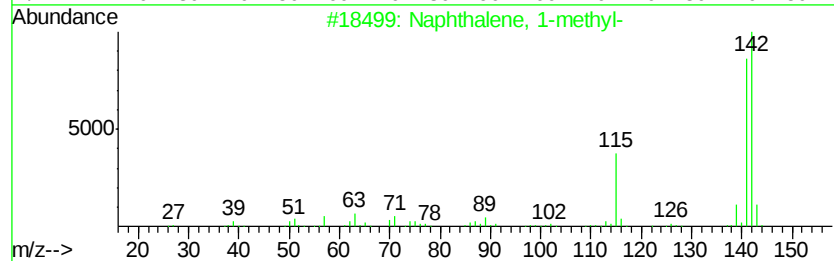
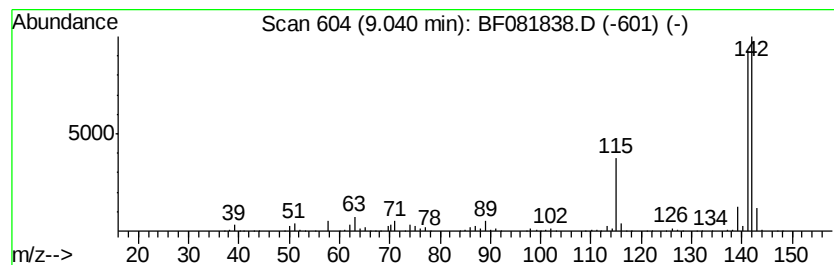
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	4.07 ng	2172110	Naphthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



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ClientSampleId :
S2-20

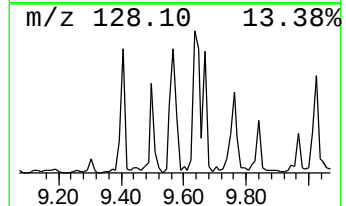
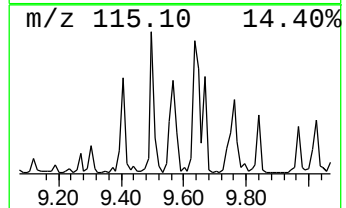
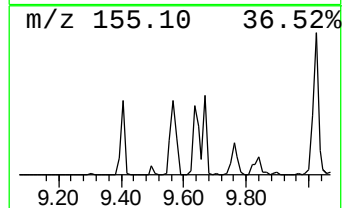
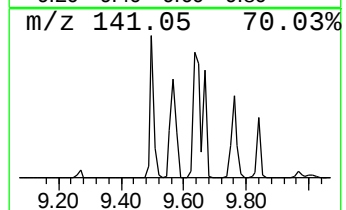
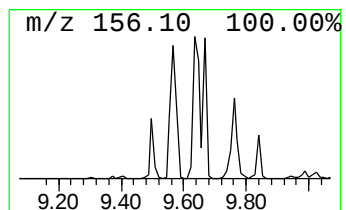
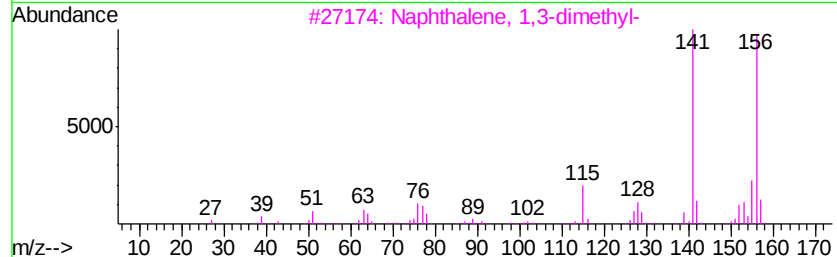
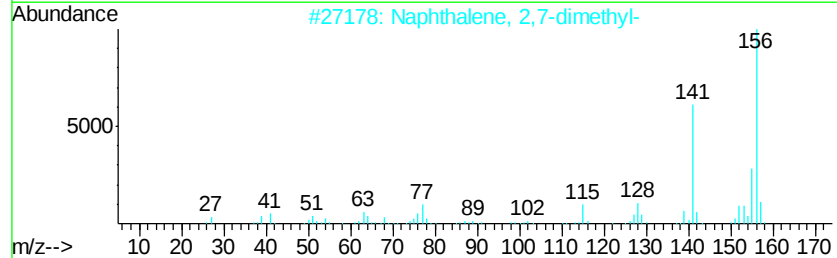
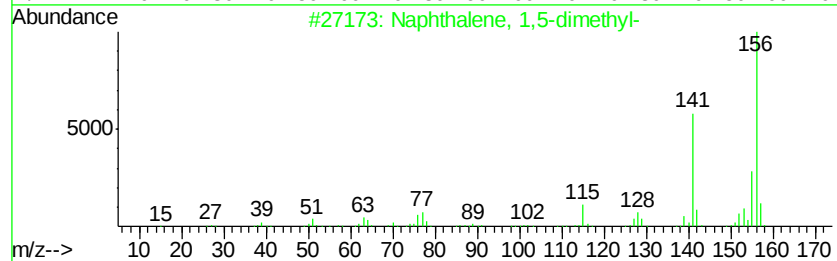
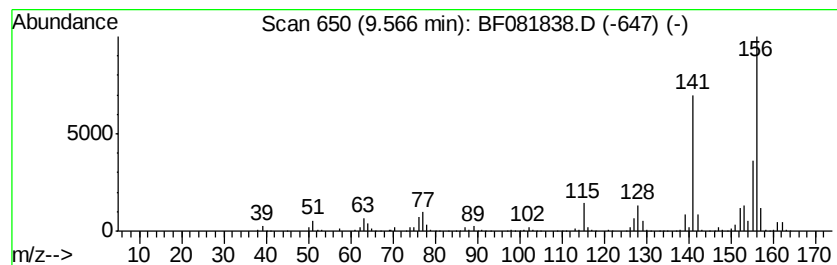
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	15.38 ng	1157750	Acenaphthene-d10	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S2-20

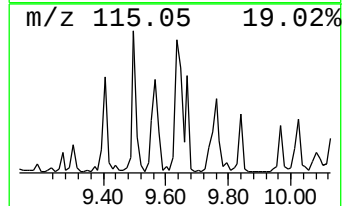
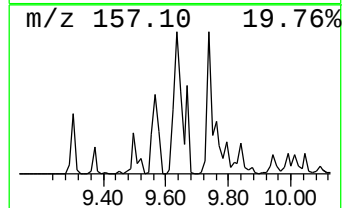
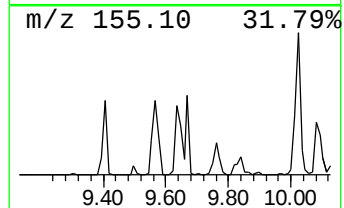
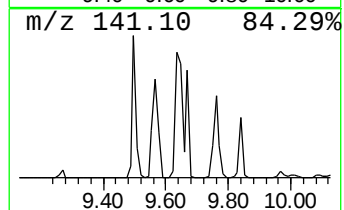
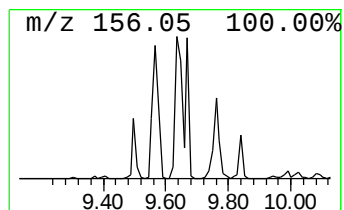
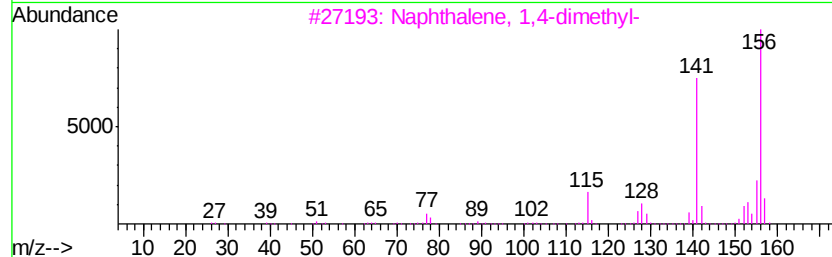
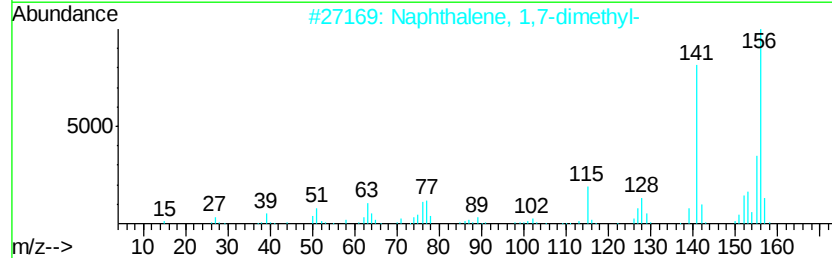
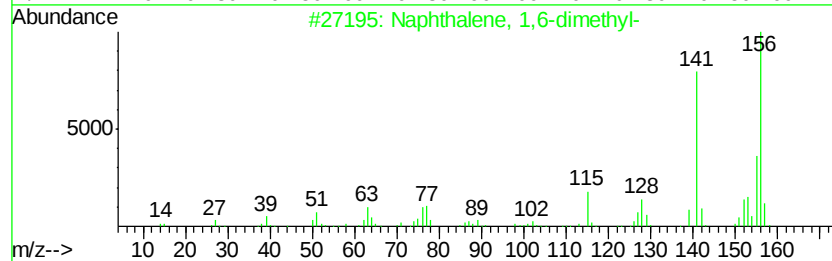
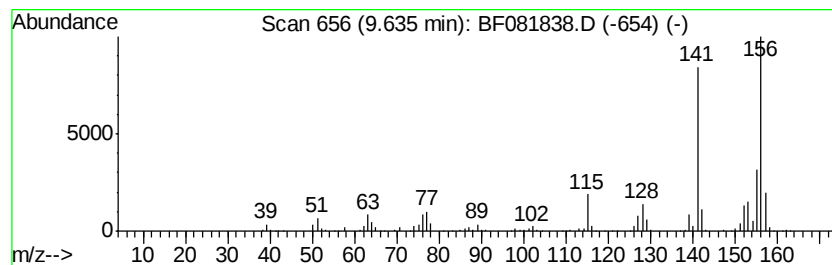
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	18.72 ng	1409140	Acenaphthene-d10	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S2-20

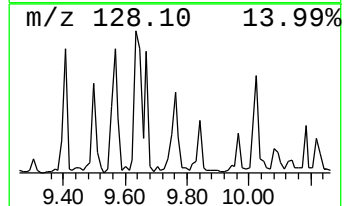
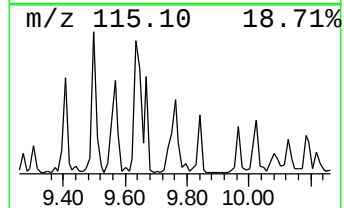
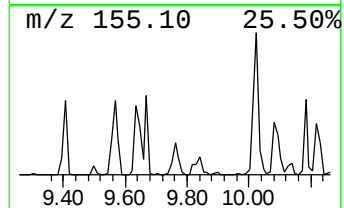
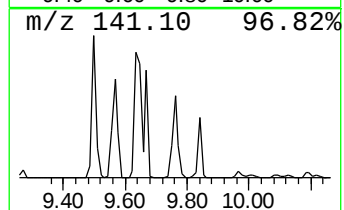
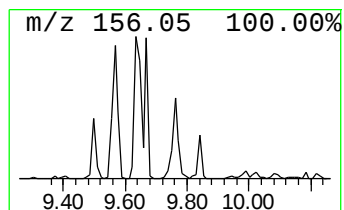
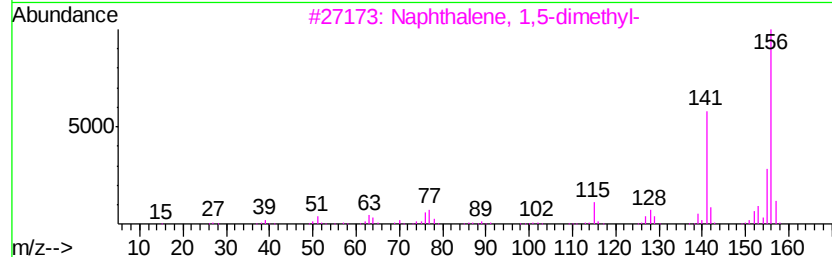
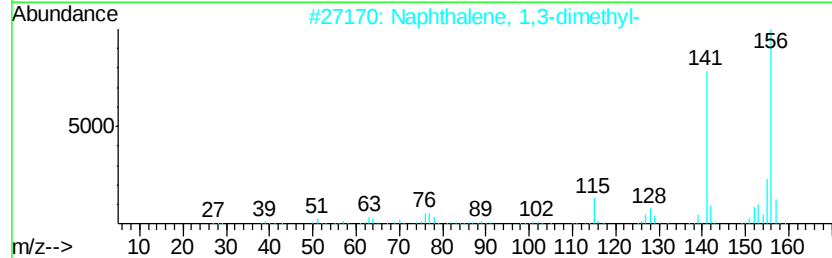
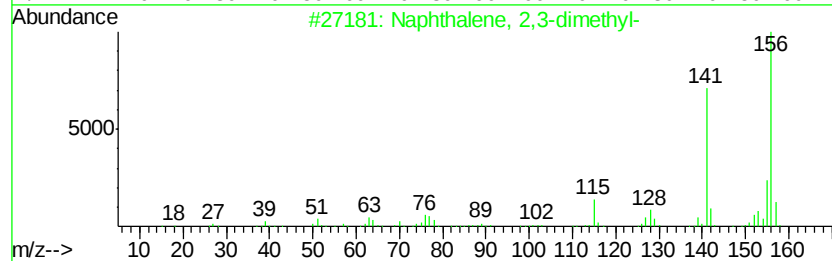
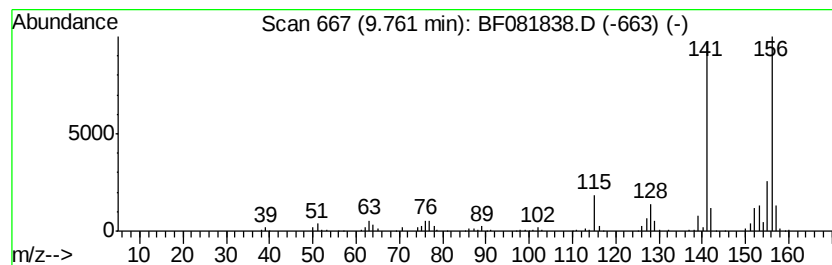
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	10.68 ng	804113	Acenaphthene-d10	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

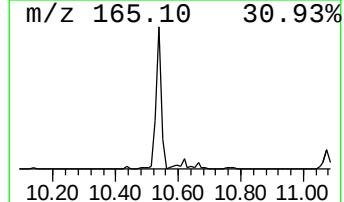
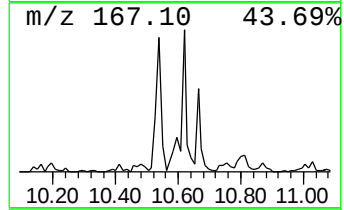
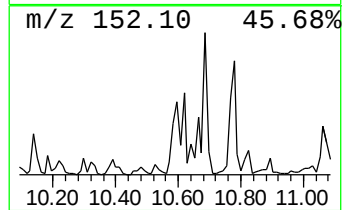
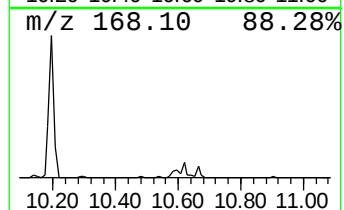
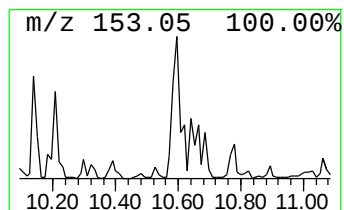
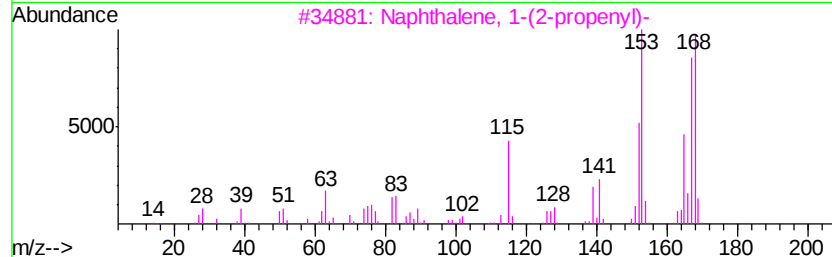
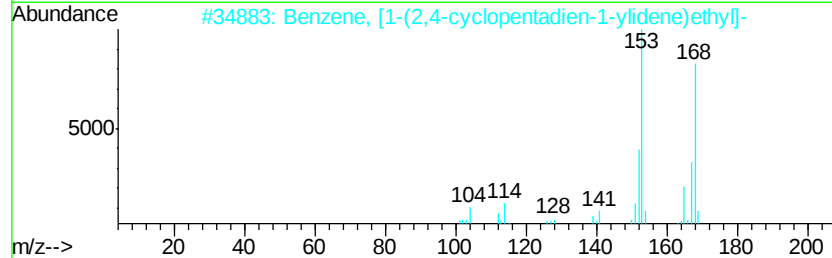
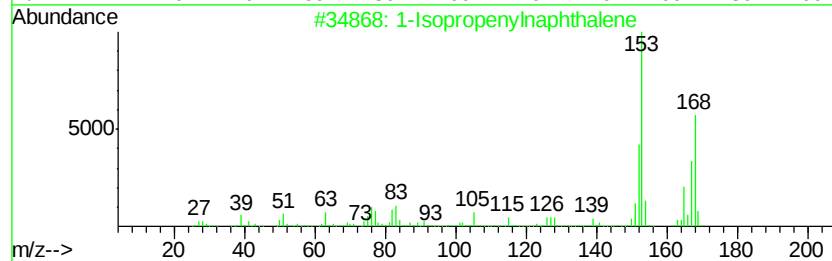
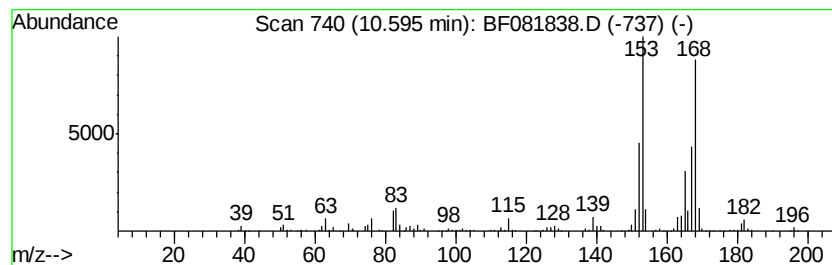
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.59	11.67 ng	878303	Acenaphthene-d10		9.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
5		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

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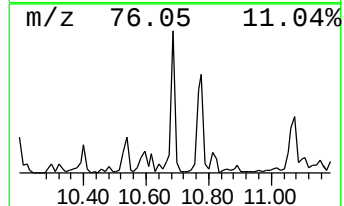
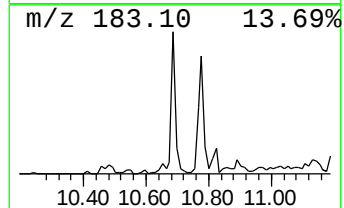
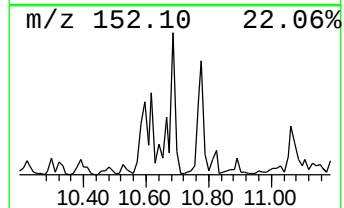
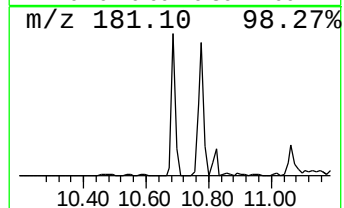
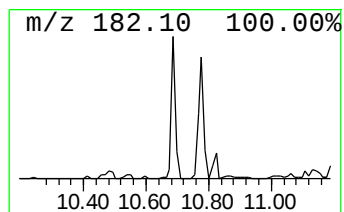
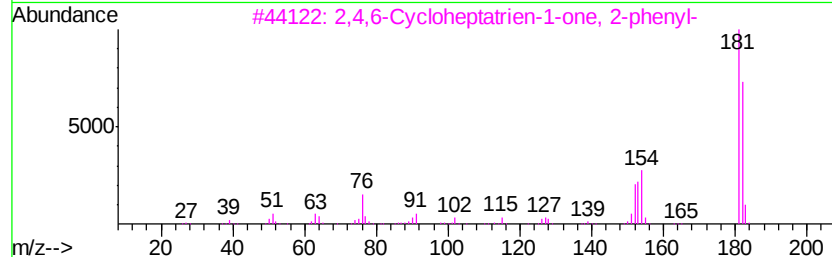
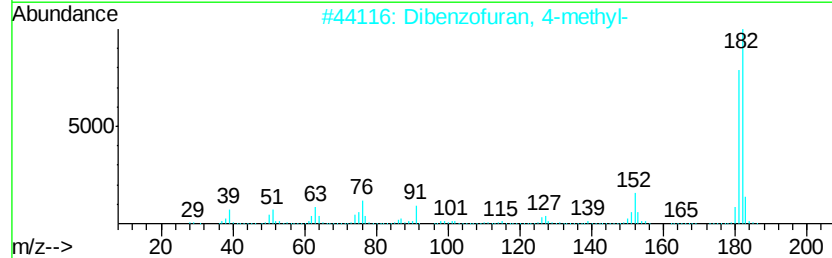
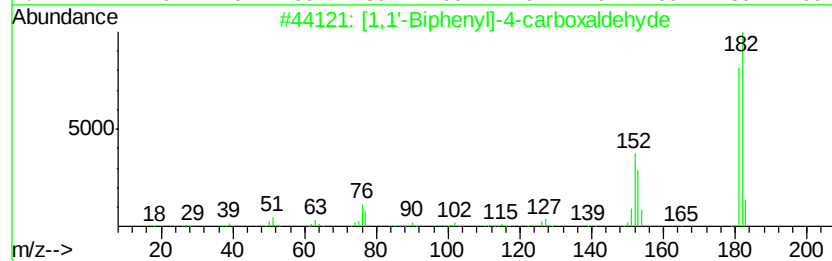
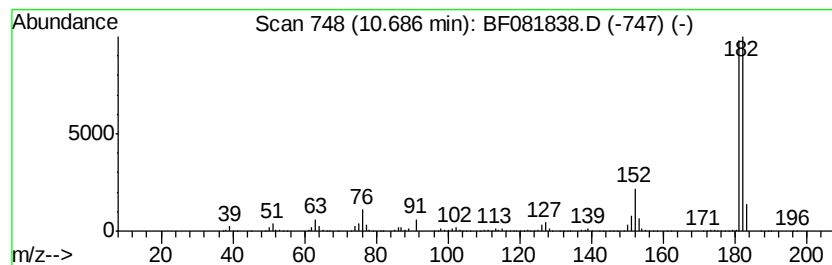
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	15.73 ng	1184480	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
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Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

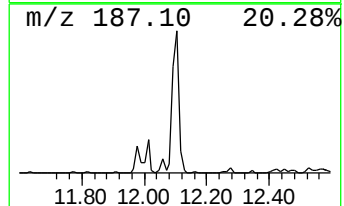
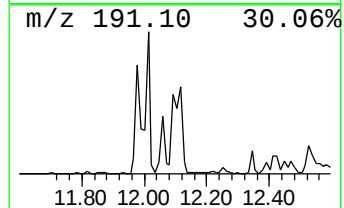
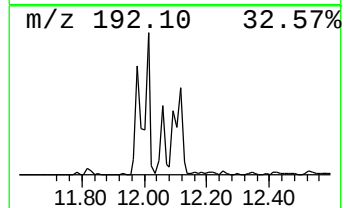
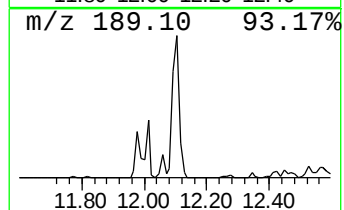
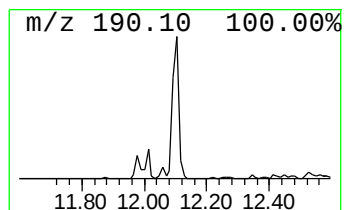
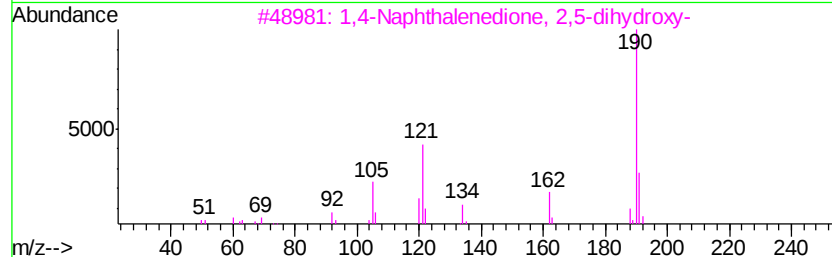
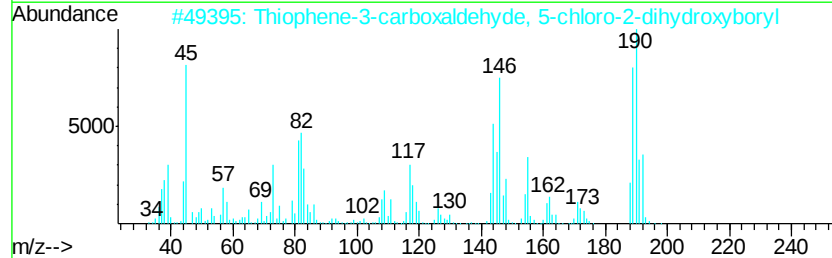
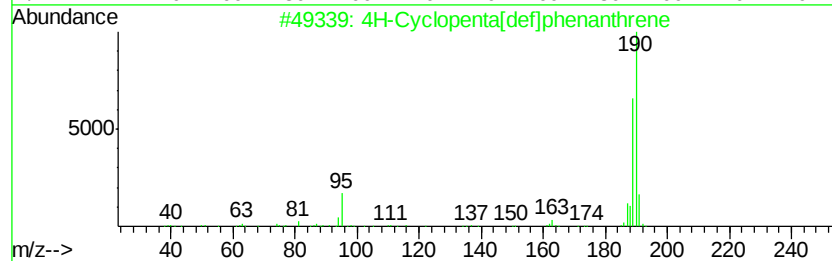
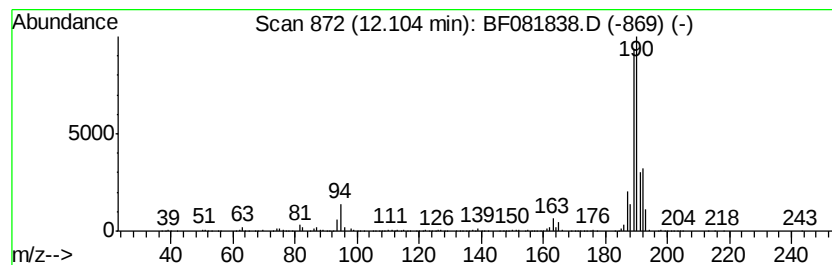
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.10	5.00 ng	5754270	Phenanthrene-d10	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
4	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	22
5	Methyl diselenide	190	C2H6Se2	007101-31-7	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
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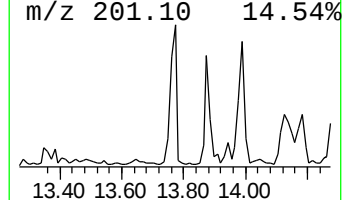
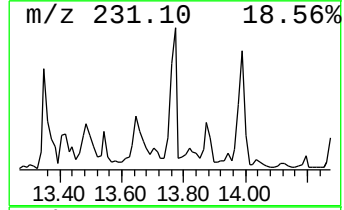
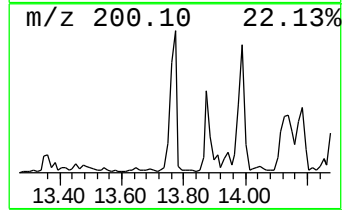
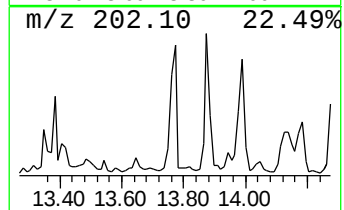
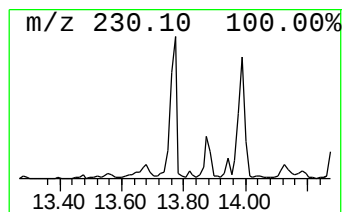
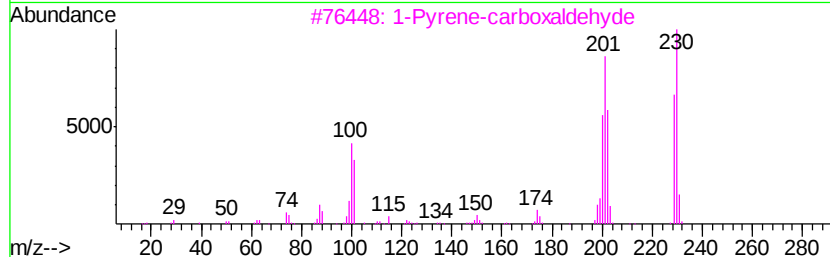
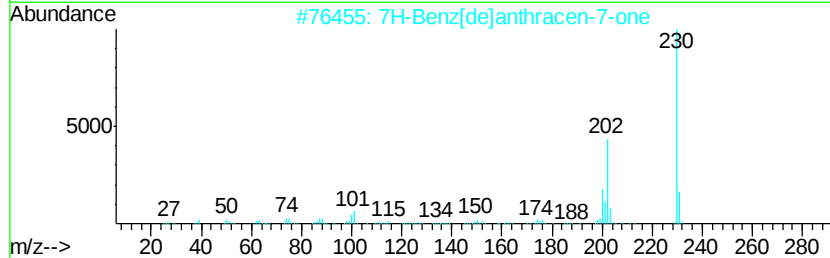
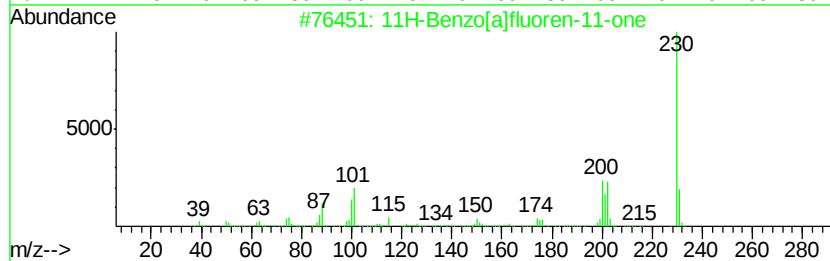
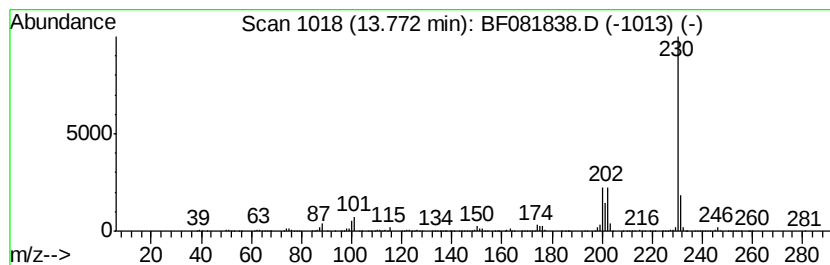
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.77	3.95 ng	4184840	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
3		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78
4		p-Terphenyl	230	C18H14	000092-94-4	53
5		2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
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Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

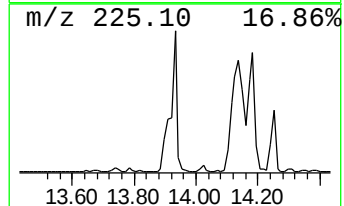
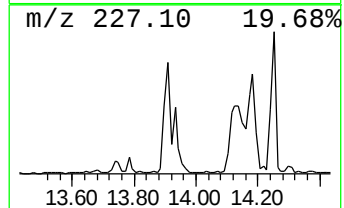
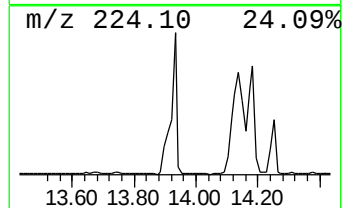
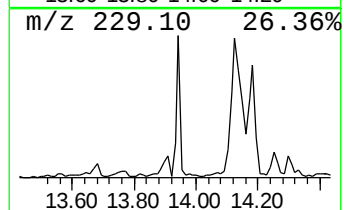
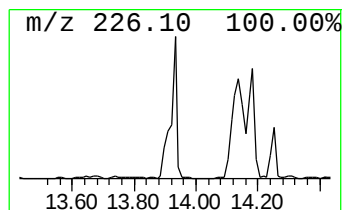
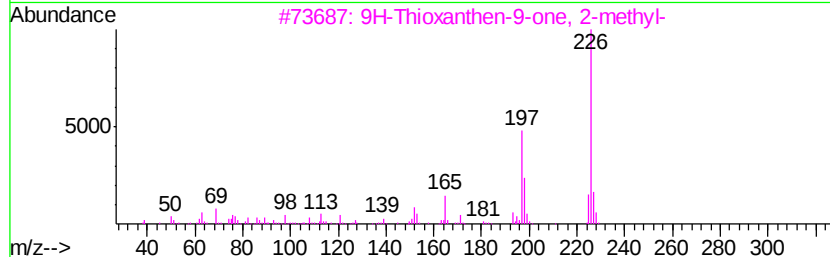
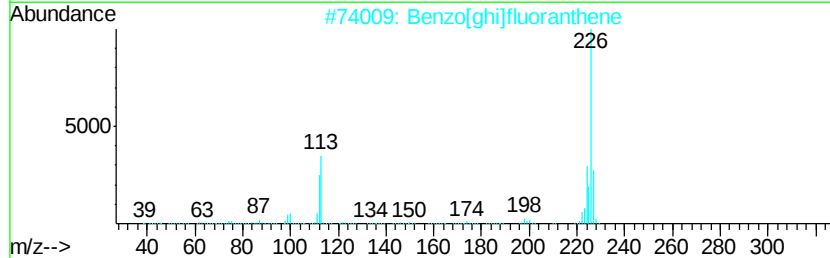
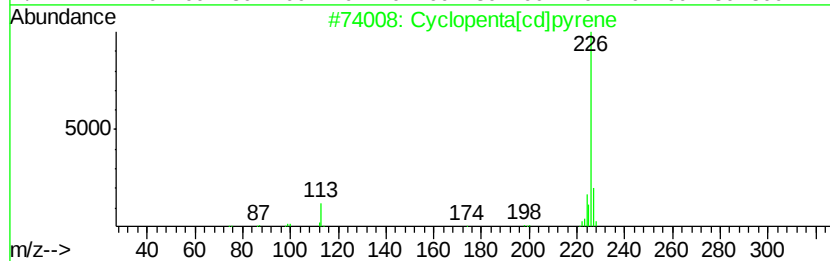
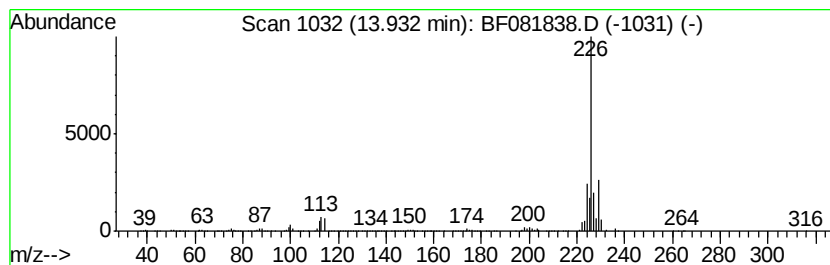
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.93	3.77 ng	3990820	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
3		9H-Thioxanthen-9-one, 2-methyl-	226	C14H10O	015774-82-0	50
4		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
5		p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
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Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
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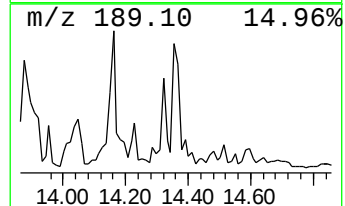
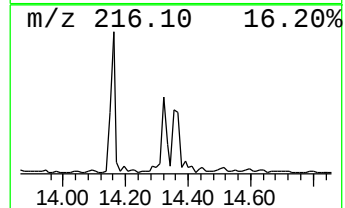
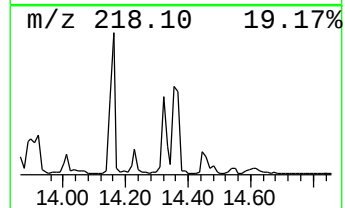
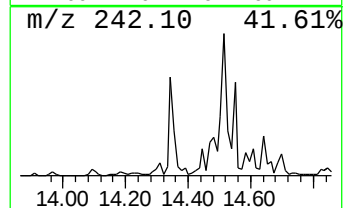
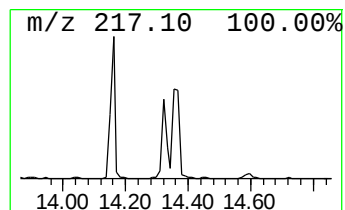
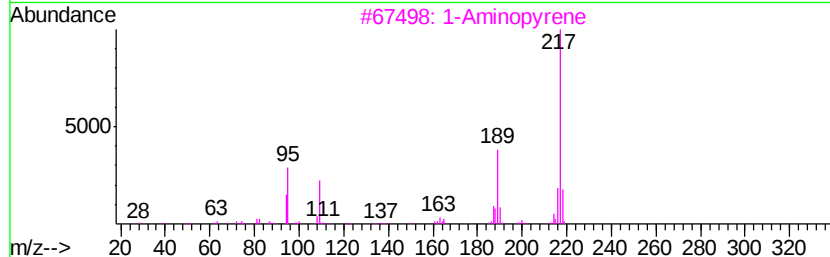
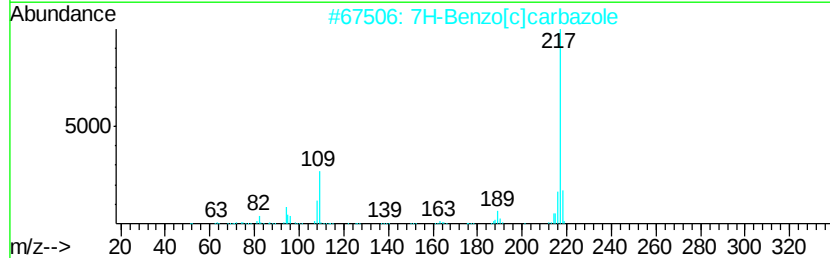
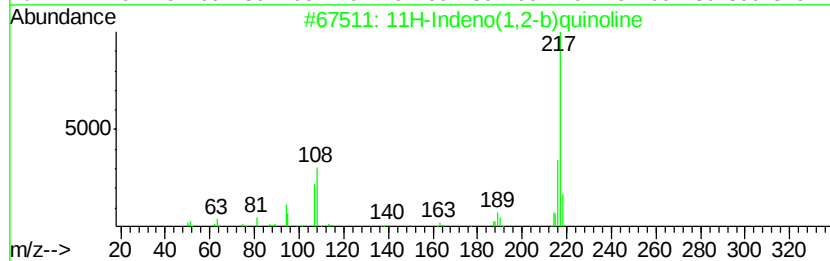
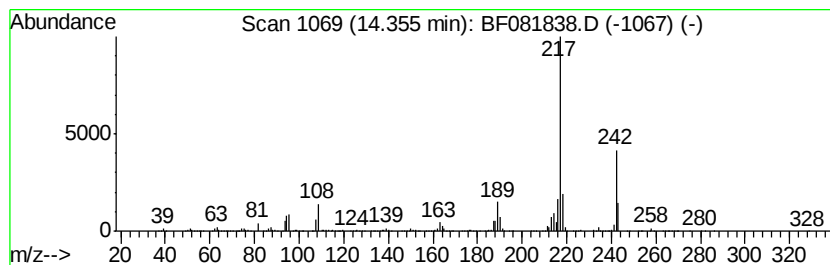
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Indeno(1,2-b)quinoline Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.36	4.55 ng	4824540	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	78
2		7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	70
3		1-Aminopyrene	217	C16H11N	001606-67-3	64
4		Benzo(b)carbazole	217	C16H11N	000243-28-7	60
5		3-Fluoranthenamine	217	C16H11N	002693-46-1	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
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Sample : G3779-04
Misc :
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Instrument :
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ClientSampleId :
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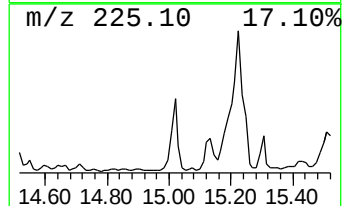
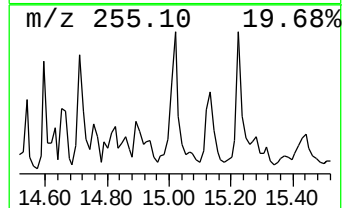
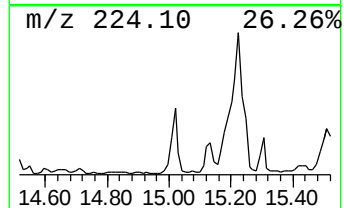
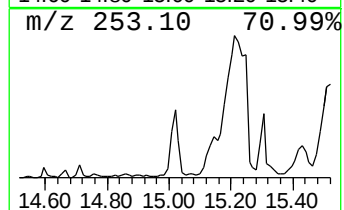
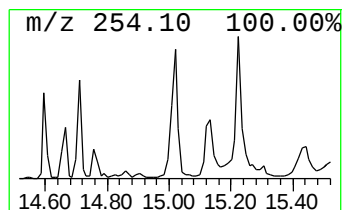
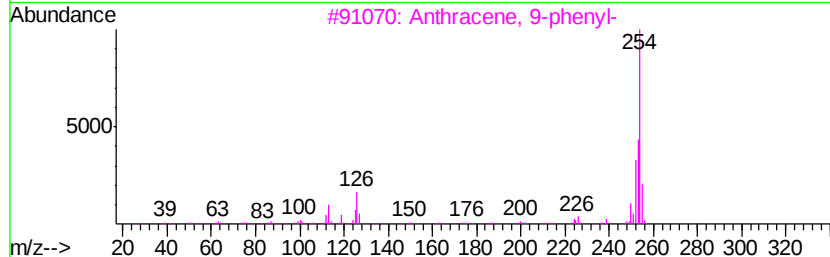
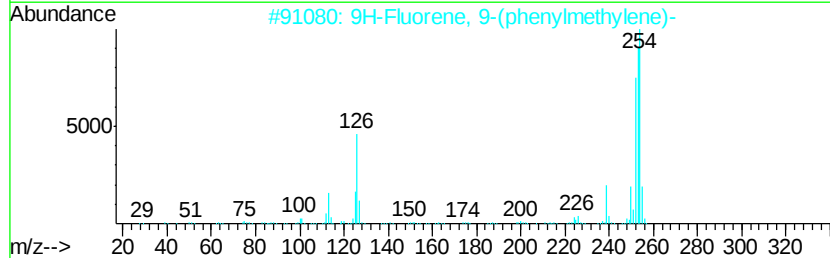
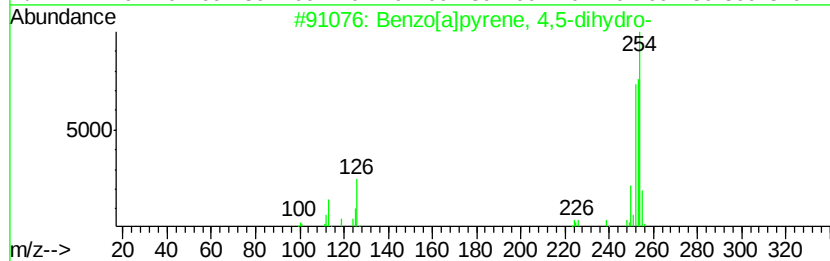
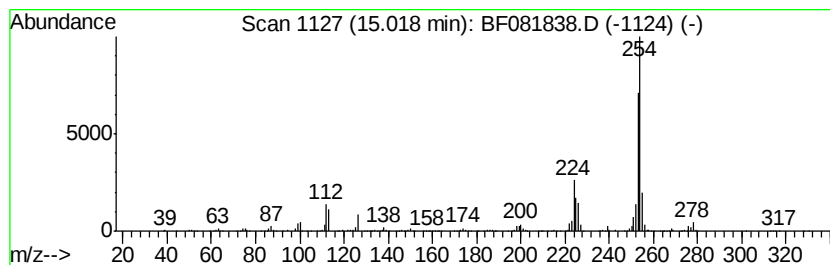
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	3.71 ng	1612670	Perylene-d12	15.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
2		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
3		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

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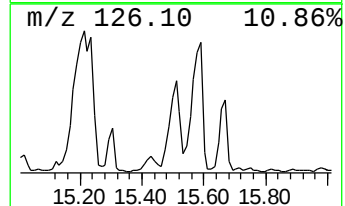
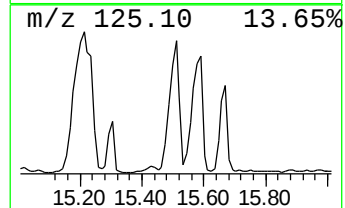
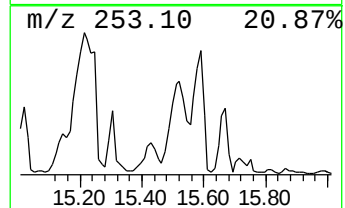
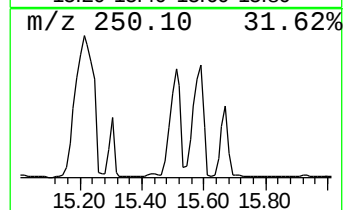
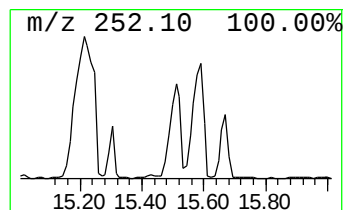
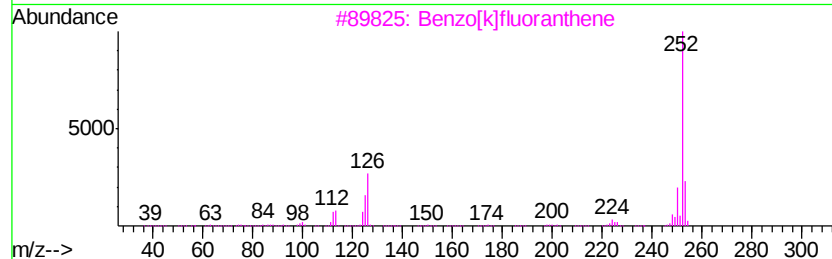
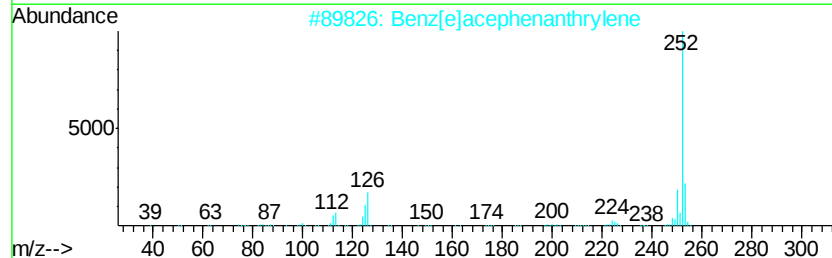
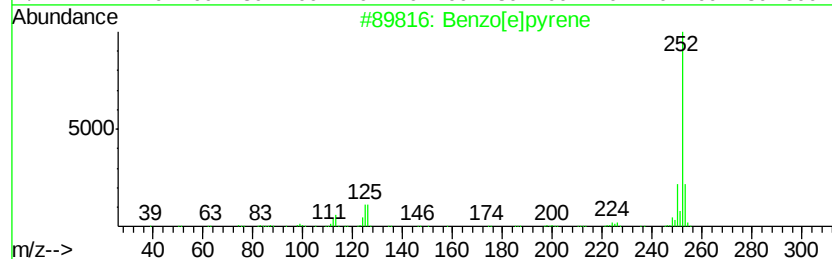
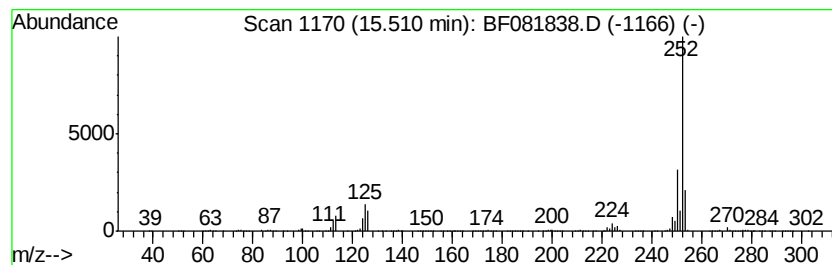
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benz[e]acephenanthrylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	18.59 ng	8090050	Perylene-d12	15.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Perylene	252	C20H12	000198-55-0	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
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Misc :
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Instrument :
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ClientSampleId :
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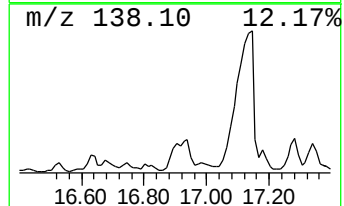
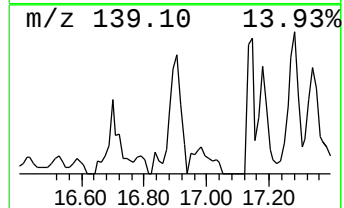
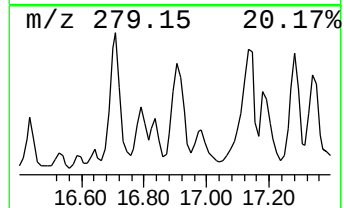
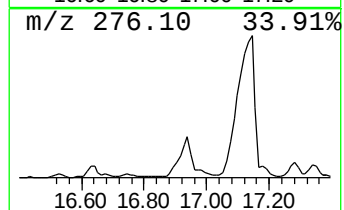
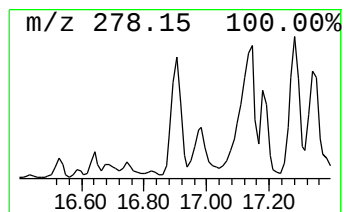
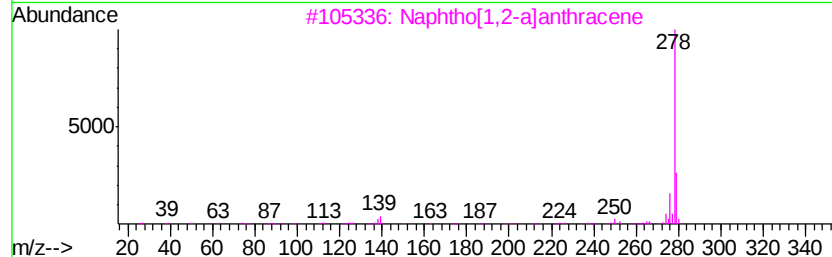
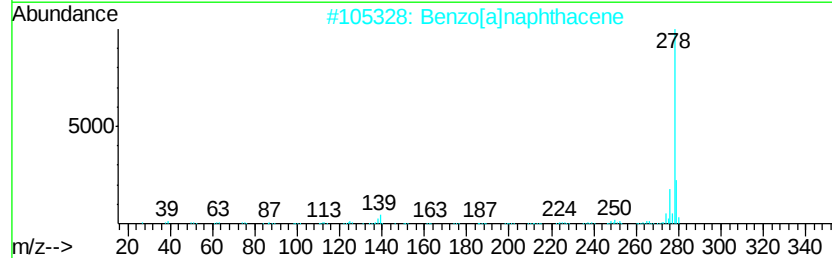
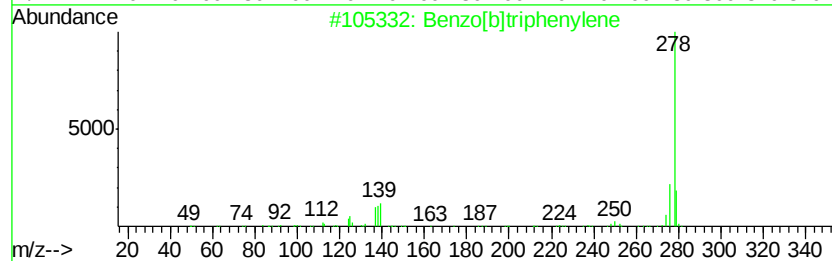
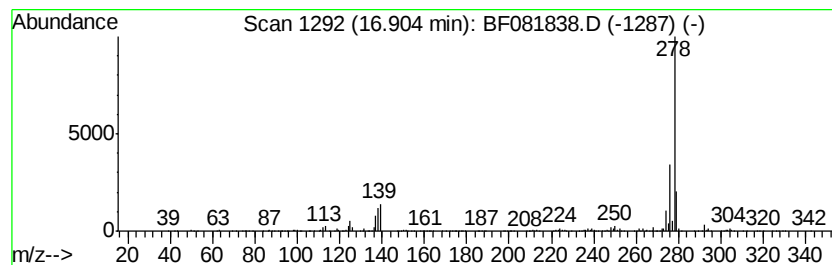
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	4.13 ng	1797390	Perylene-d12	15.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	90
3		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	89
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
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Acq On : 26 Sep 2015 20:27
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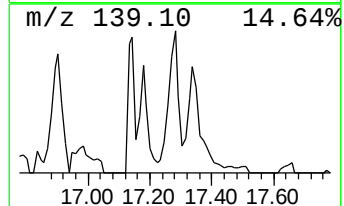
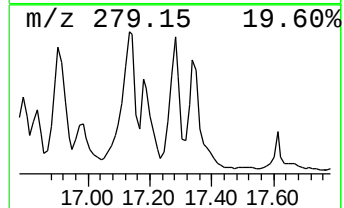
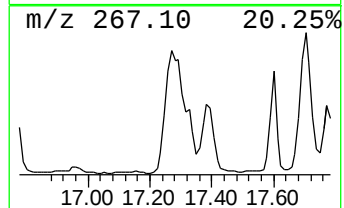
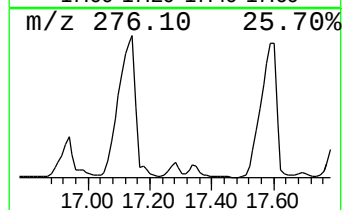
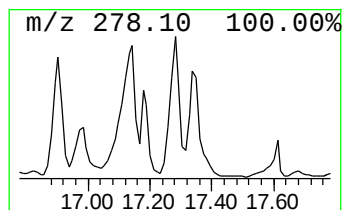
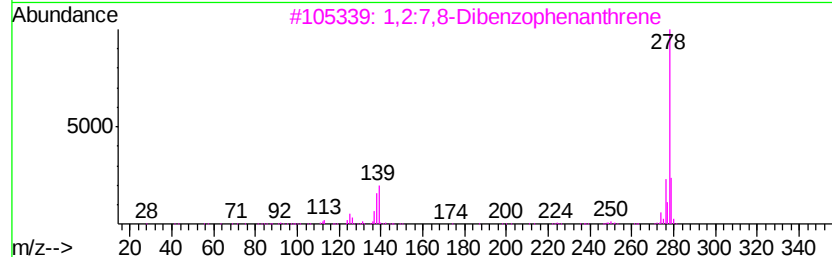
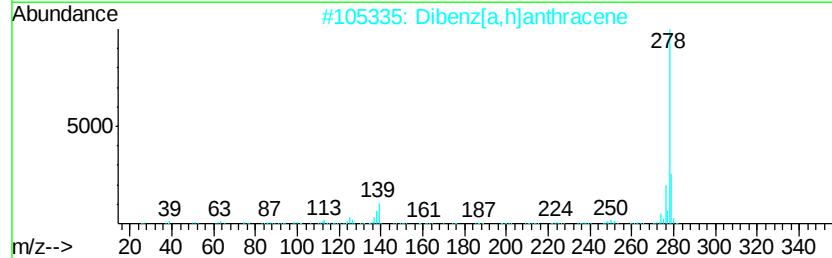
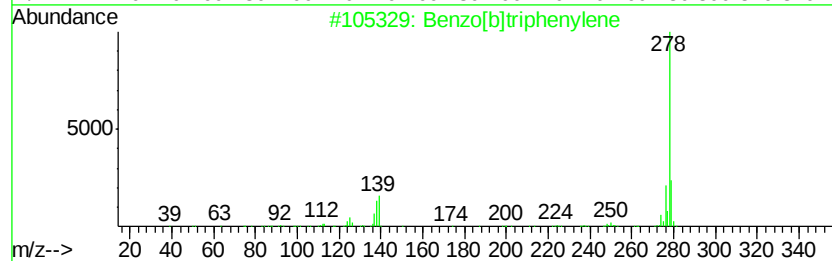
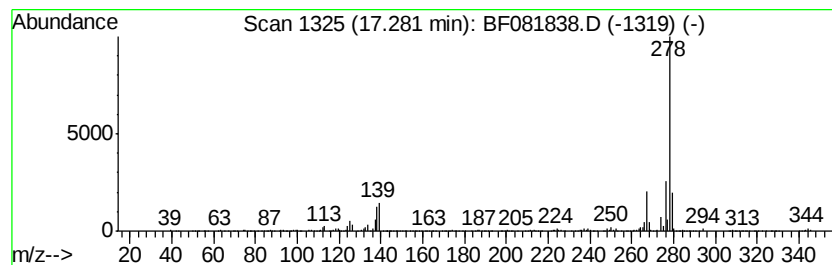
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,2:7,8-Dibenzophenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	5.21 ng	2267170	Perylene-d12	15.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
3		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	91
4		Benzo[b]chrysene	278	C22H14	000214-17-5	86
5		Pentacene	278	C22H14	000135-48-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
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Sample : G3779-04
Misc :
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Instrument :
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ClientSampleId :
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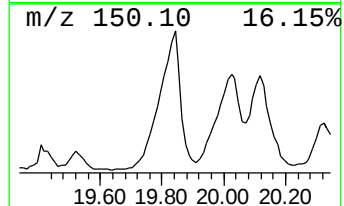
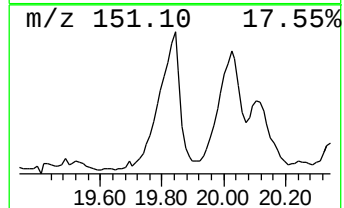
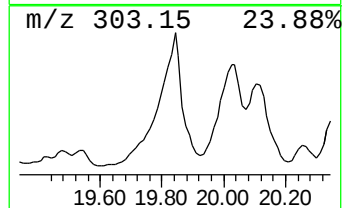
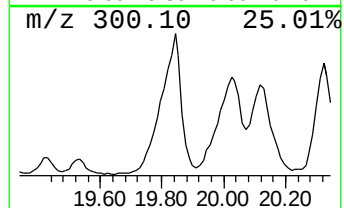
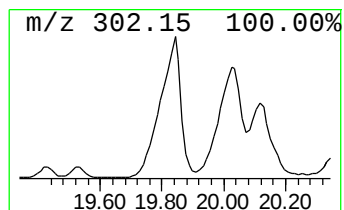
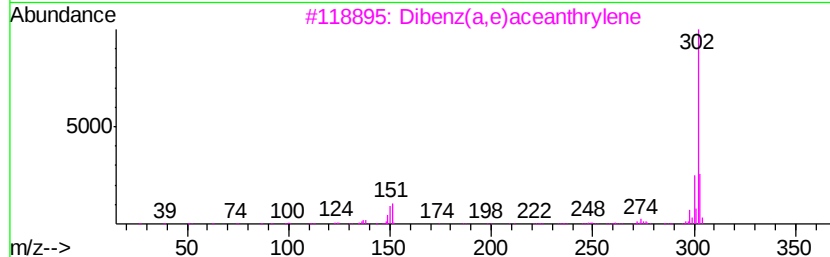
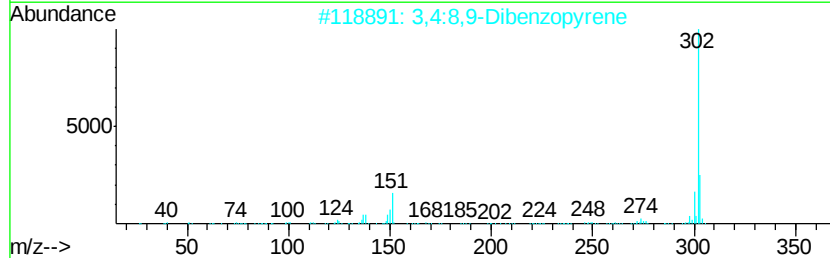
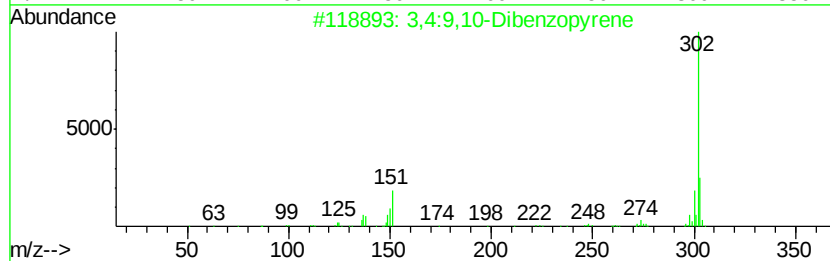
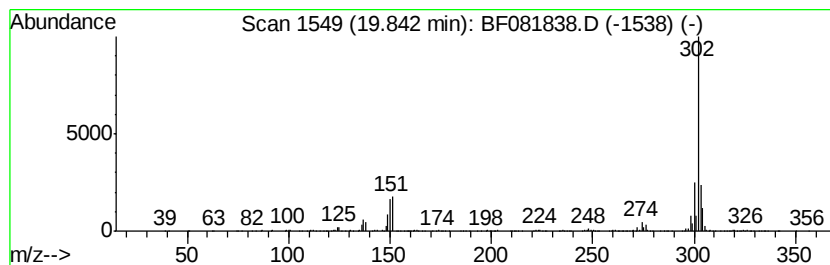
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	6.73 ng	2931040	Perylene-d12	15.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
Data File : BF081838.D
Acq On : 26 Sep 2015 20:27
Operator : UM/IZ
Sample : G3779-04
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S2-20

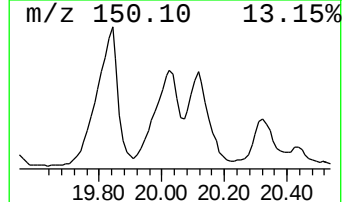
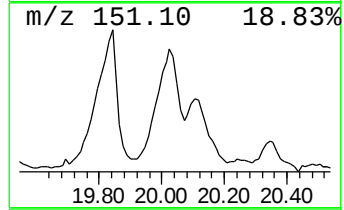
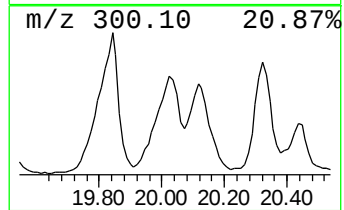
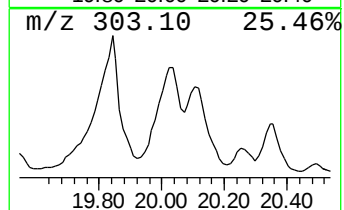
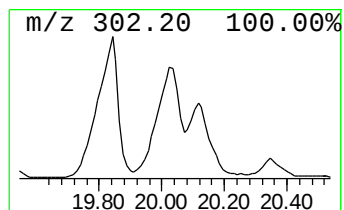
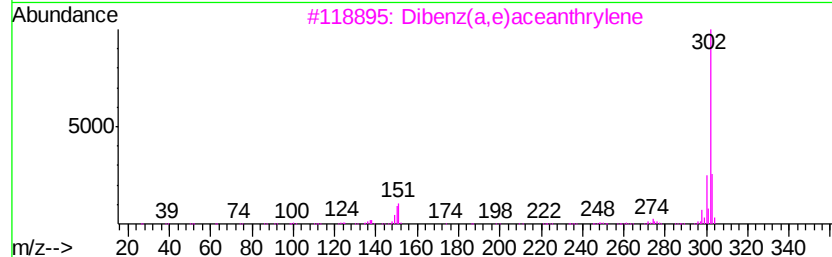
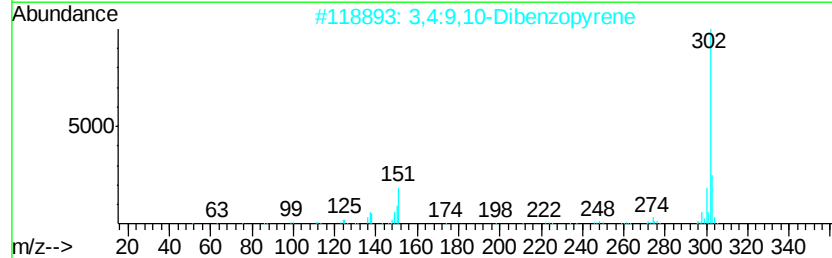
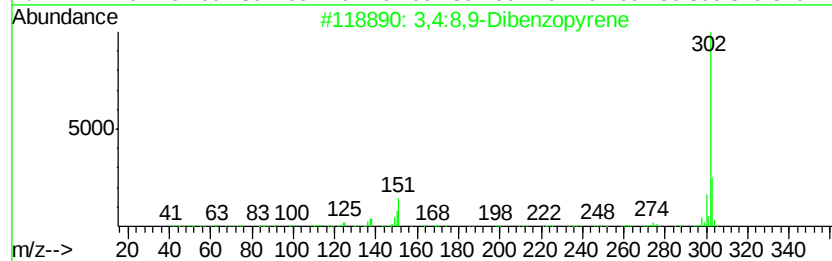
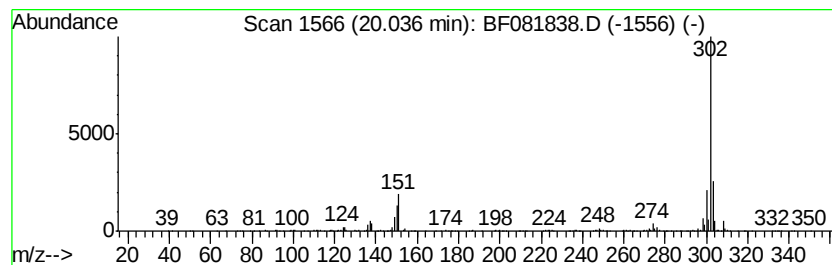
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	5.08 ng	2211730	Perylene-d12	15.62

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081838.D
 Acq On : 26 Sep 2015 20:27
 Operator : UM/IZ
 Sample : G3779-04
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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...	5.13	12.9	ng	1559450	1	6.94	2425280	20.0
unknown6.71	6.71	26.4	ng	3205020	1	6.94	2425280	20.0
Naphthalene, 1-me...	9.04	4.1	ng	2172110	2	8.23	10665800	20.0
Naphthalene, 1,5-...	9.57	15.4	ng	1157750	3	9.99	1505600	20.0
Naphthalene, 1,6-...	9.63	18.7	ng	1409140	3	9.99	1505600	20.0
Naphthalene, 2,3-...	9.76	10.7	ng	804113	3	9.99	1505600	20.0
1-Isopropenyl naph...	10.59	11.7	ng	878303	3	9.99	1505600	20.0
[1,1'-Biphenyl]-4...	10.69	15.7	ng	1184480	3	9.99	1505600	20.0
4H-Cyclopenta[def...	12.10	5.0	ng	5754270	4	11.49	23016800	20.0
11H-Benzo[a]fluor...	13.77	4.0	ng	4184840	5	14.15	21192200	20.0
Cyclopenta[cd]pyrene	13.93	3.8	ng	3990820	5	14.15	21192200	20.0
11H-Indeno(1,2-b)...	14.36	4.5	ng	4824540	5	14.15	21192200	20.0
Benzo[a]pyrene, 4...	15.02	3.7	ng	1612670	6	15.62	8704890	20.0
Benz[e]acephenant...	15.51	18.6	ng	8090050	6	15.62	8704890	20.0
Benzo[b]triphenylene	16.90	4.1	ng	1797390	6	15.62	8704890	20.0
1,2:7,8-Dibenzoph...	17.28	5.2	ng	2267170	6	15.62	8704890	20.0
3,4:9,10-Dibenzop...	19.84	6.7	ng	2931040	6	15.62	8704890	20.0
3,4:8,9-Dibenzopy...	20.04	5.1	ng	2211730	6	15.62	8704890	20.0