

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
 Data File : BF082864.D
 Acq On : 10 Nov 2015 10:11
 Operator : UM/IZ
 Sample : G4327-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

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-BF110715.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	5.024	253	257	265	rVB	2084709	3672724	44.29%	2.599%
2	5.447	291	294	296	rVB	6215162	6650150	80.19%	4.706%
3	6.476	380	384	386	rVB	6020564	7005071	84.47%	4.957%
4	6.602	392	395	397	rBV	6475148	6330332	76.33%	4.480%
5	6.830	412	415	417	rBV	1738710	1428237	17.22%	1.011%
6	6.990	426	429	431	rBV	5419450	5076753	61.22%	3.593%
7	7.390	461	464	467	rBV	3286988	4279339	51.60%	3.028%
8	8.110	525	527	532	rBV2	1237777	1906609	22.99%	1.349%
9	8.830	587	590	592	rBV	545938	451307	5.44%	0.319%
10	8.933	596	599	601	rVB	433892	616034	7.43%	0.436%
11	9.196	619	622	624	rVB	6480263	5742718	69.25%	4.064%
12	9.390	634	639	642	rVB	102347	185150	2.23%	0.131%
13	9.459	642	645	647	rBV	354492	458314	5.53%	0.324%
14	9.528	649	651	652	rVV	784656	735999	8.87%	0.521%
15	9.550	652	653	655	rVV	286525	396406	4.78%	0.281%
16	9.585	655	656	659	rVV	1209456	1093500	13.19%	0.774%
17	9.642	659	661	664	rVV	332489	442464	5.34%	0.313%
18	9.733	666	669	671	rVB	373407	511927	6.17%	0.362%
19	9.871	678	681	682	rBV	1988654	1903735	22.96%	1.347%
20	9.905	682	684	685	rVV	633757	656136	7.91%	0.464%
21	9.973	688	690	692	rBV	122652	167850	2.02%	0.119%
22	10.076	696	699	701	rVV	497184	555482	6.70%	0.393%
23	10.111	701	702	704	rVB	302419	234798	2.83%	0.166%
24	10.191	706	709	710	rBV2	247718	293636	3.54%	0.208%
25	10.213	710	711	714	rVB	242703	202378	2.44%	0.143%
26	10.282	714	717	719	rBV	217563	422811	5.10%	0.299%
27	10.385	722	726	727	rBV4	125366	281849	3.40%	0.199%
28	10.408	727	728	732	rVB2	394234	594388	7.17%	0.421%
29	10.476	732	734	735	rBV	151289	236453	2.85%	0.167%
30	10.568	741	742	745	rVB	267109	352019	4.24%	0.249%
31	10.659	747	750	752	rBV	3724627	3805368	45.88%	2.693%
32	10.785	758	761	764	rVB2	272406	376247	4.54%	0.266%
33	10.968	772	777	778	rBV3	179480	370452	4.47%	0.262%
34	11.116	785	790	791	rBV2	246079	544943	6.57%	0.386%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.151	791	793	796	rVB	817217	901959	10.88%	0.638%
36	11.208	796	798	799	rBV	190198	255167	3.08%	0.181%
37	11.242	799	801	805	rVB2	525833	727200	8.77%	0.515%
38	11.379	808	813	815	rBV2	6222974	8293297	100.00%	5.869%
39	11.425	815	817	819	rVB	1783704	1545655	18.64%	1.094%
40	11.574	828	830	832	rBV2	362684	496596	5.99%	0.351%
41	11.654	835	837	838	rBV	199149	233539	2.82%	0.165%
42	11.676	838	839	842	rVB2	358531	477543	5.76%	0.338%
43	11.768	842	847	849	rVB2	208556	427452	5.15%	0.302%
44	11.802	849	850	852	rBV	205595	220431	2.66%	0.156%
45	11.859	852	855	856	rBV	1124757	1608391	19.39%	1.138%
46	11.882	856	857	859	rVB	2148247	1803333	21.74%	1.276%
47	11.928	859	861	862	rVB	631256	469785	5.66%	0.332%
48	11.962	862	864	868	rVB2	1706702	2758525	33.26%	1.952%
49	12.054	868	872	874	rBV3	155028	392655	4.73%	0.278%
50	12.168	879	882	886	rVB3	927858	1721724	20.76%	1.218%
51	12.294	890	893	895	rBV3	285283	424566	5.12%	0.300%
52	12.328	895	896	900	rVB	326404	486360	5.86%	0.344%
53	12.408	900	903	904	rBV	722197	952267	11.48%	0.674%
54	12.442	904	906	909	rBV2	266004	586059	7.07%	0.415%
55	12.488	909	910	913	rVB	897698	778398	9.39%	0.551%
56	12.568	914	917	919	rBV	5584987	6789490	81.87%	4.805%
57	12.602	919	920	924	rVV3	1057914	1950421	23.52%	1.380%
58	12.694	926	928	932	rVB4	307680	539714	6.51%	0.382%
59	12.797	934	937	939	rBV	5461202	6795480	81.94%	4.809%
60	12.842	939	941	944	rVB2	361913	545389	6.58%	0.386%
61	12.911	945	947	948	rBV	531094	546980	6.60%	0.387%
62	12.945	948	950	952	rVB	3735862	4390021	52.93%	3.107%
63	13.014	952	956	960	rBV3	865702	1499872	18.09%	1.061%
64	13.117	961	965	967	rVB3	583404	1282934	15.47%	0.908%
65	13.162	967	969	970	rBV2	116567	188797	2.28%	0.134%
66	13.219	972	974	978	rVB2	948362	1225126	14.77%	0.867%
67	13.277	978	979	981	rBV	207553	274880	3.31%	0.195%
68	13.311	981	982	984	rBV	394061	359780	4.34%	0.255%
69	13.345	984	985	987	rVB	535044	421994	5.09%	0.299%
70	13.425	990	992	996	rVB4	128523	219428	2.65%	0.155%
71	13.494	996	998	999	rBV2	149537	202965	2.45%	0.144%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	13.619	1007	1009	1012	rBV	1046820	1322969	15.95%	0.936%
73	13.734	1016	1019	1020	rVV	757240	920909	11.10%	0.652%
74	13.768	1020	1022	1023	rVV	622047	818321	9.87%	0.579%
75	13.837	1026	1028	1033	rVB2	816717	1593739	19.22%	1.128%
76	13.985	1038	1041	1043	rBV2	3661378	5823936	70.22%	4.121%
77	14.020	1043	1044	1048	rVB	3093130	2582845	31.14%	1.828%
78	14.100	1048	1051	1052	rBV2	168631	365416	4.41%	0.259%
79	14.180	1056	1058	1059	rVB2	205603	277122	3.34%	0.196%
80	14.214	1059	1061	1063	rBV2	289618	447673	5.40%	0.317%
81	14.248	1063	1064	1068	rVB	236276	274404	3.31%	0.194%
82	14.340	1071	1072	1074	rBV2	233806	406054	4.90%	0.287%
83	14.385	1074	1076	1077	rVV	576132	794878	9.58%	0.563%
84	14.420	1077	1079	1080	rVV	291601	378713	4.57%	0.268%
85	14.477	1080	1084	1085	rVV4	183569	405111	4.88%	0.287%
86	14.511	1085	1087	1090	rVB3	292481	535785	6.46%	0.379%
87	14.580	1091	1093	1096	rVB4	210700	292969	3.53%	0.207%
88	14.682	1100	1102	1104	rBV2	218803	302127	3.64%	0.214%
89	14.762	1108	1109	1110	rBV	168090	197525	2.38%	0.140%
90	14.854	1115	1117	1122	rVV3	314970	715966	8.63%	0.507%
91	14.934	1122	1124	1125	rVV	196130	274349	3.31%	0.194%
92	15.025	1129	1132	1136	rBV	1929687	3969843	47.87%	2.809%
93	15.117	1139	1140	1142	rVB	322829	376196	4.54%	0.266%
94	15.311	1154	1157	1160	rBV	1009810	1470696	17.73%	1.041%
95	15.368	1160	1162	1165	rVB	1604697	1797315	21.67%	1.272%
96	15.425	1165	1167	1168	rBV	865419	1034526	12.47%	0.732%
97	15.460	1168	1170	1173	rVB2	355995	657114	7.92%	0.465%
98	16.648	1270	1274	1281	rBV4	158868	534332	6.44%	0.378%
99	16.808	1284	1288	1291	rVB2	549420	1086644	13.10%	0.769%
100	17.220	1320	1324	1328	rVB	417791	876979	10.57%	0.621%

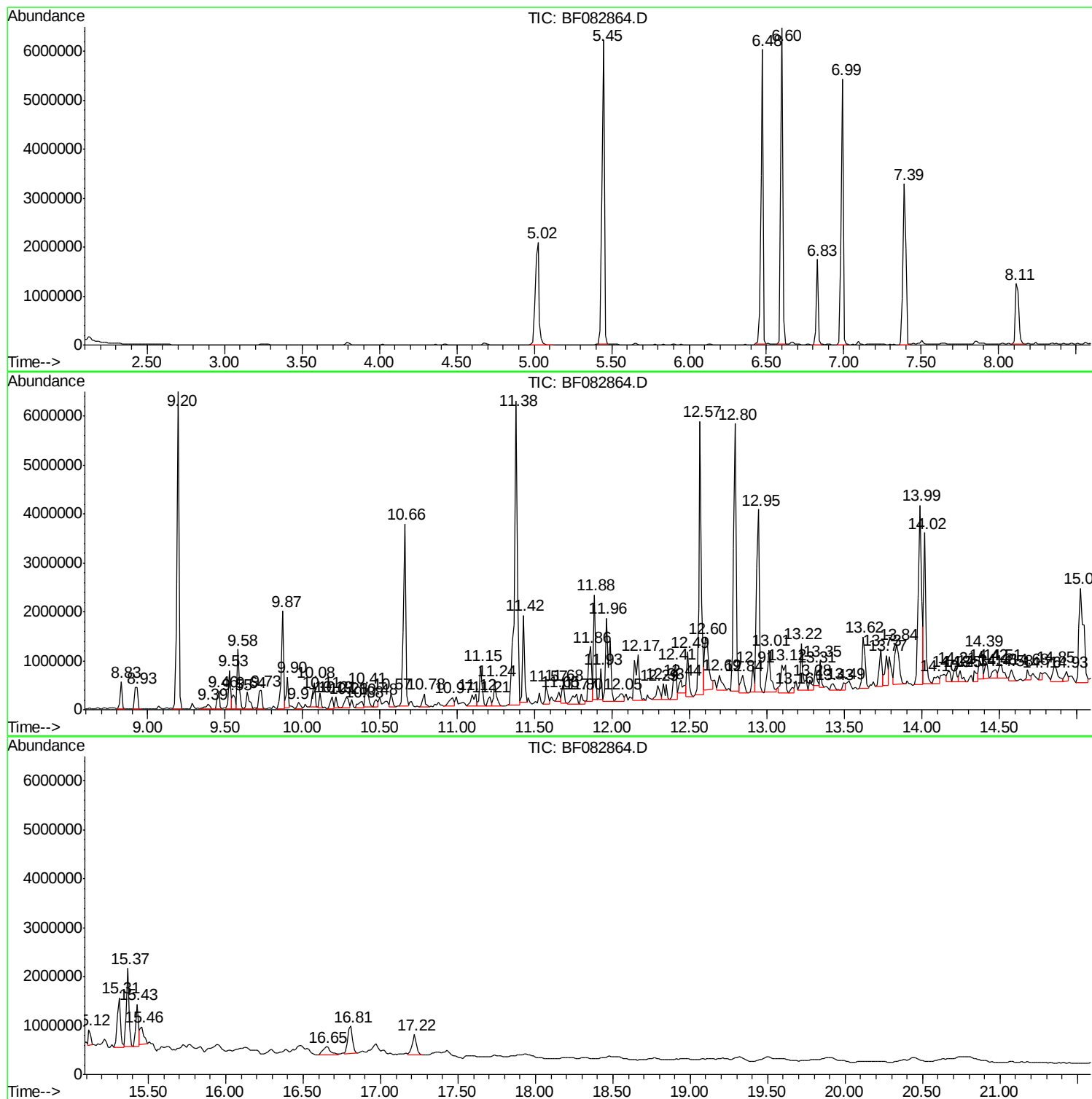
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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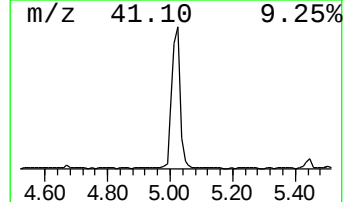
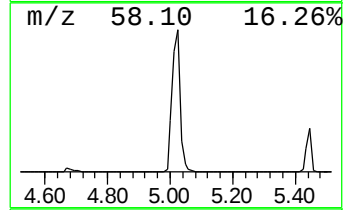
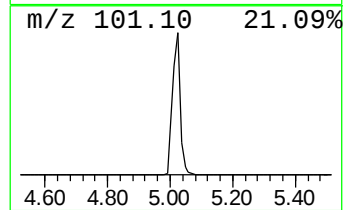
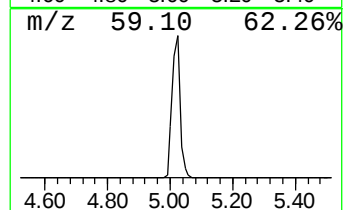
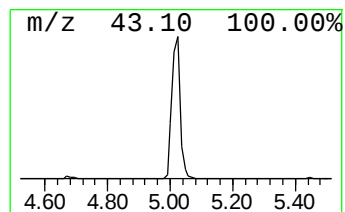
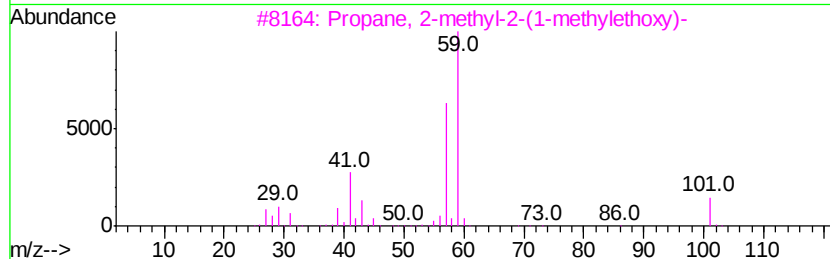
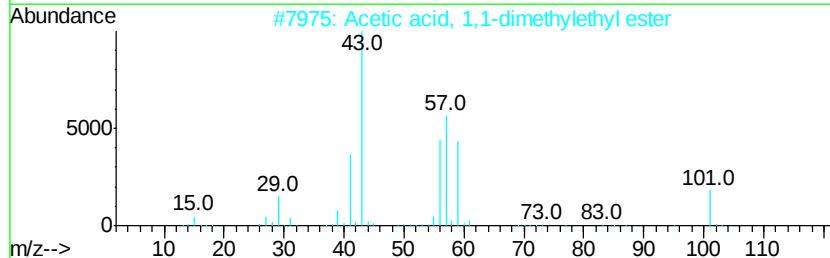
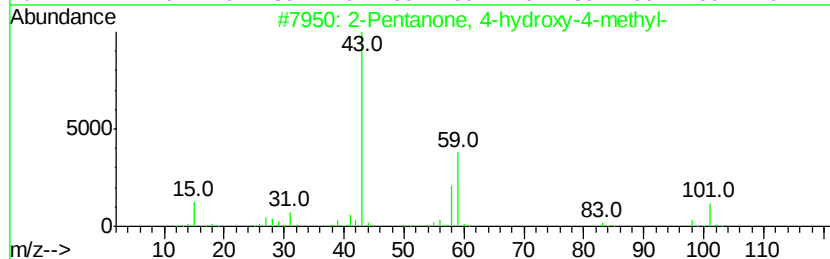
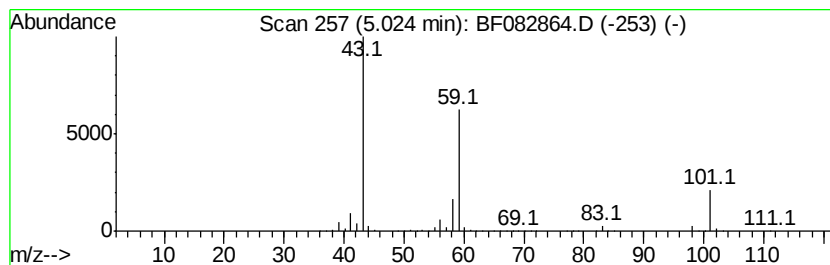
Instrument :
BNA_F
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1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.02	51.43 ng	3672720	1,4-Dichlorobenzene-d4	6.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39	
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28	
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17	



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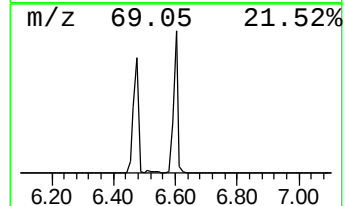
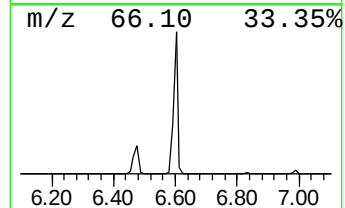
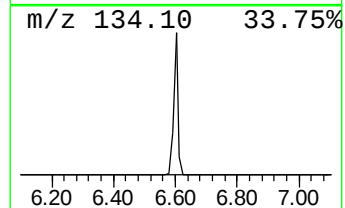
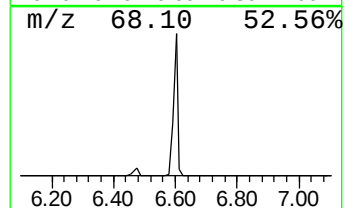
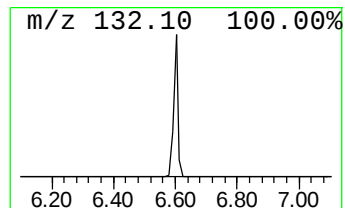
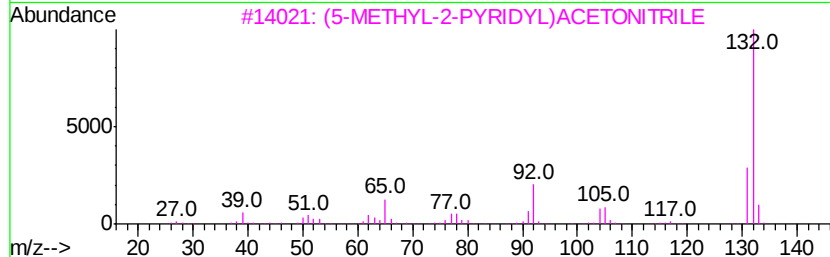
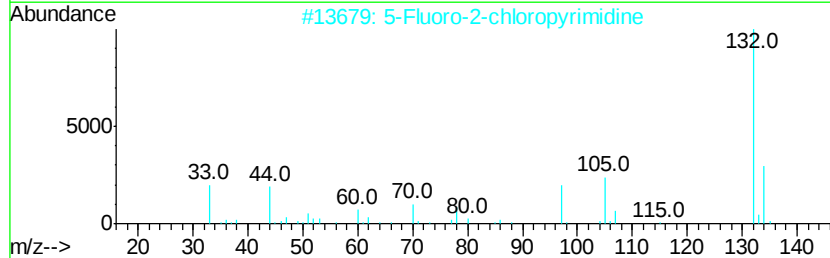
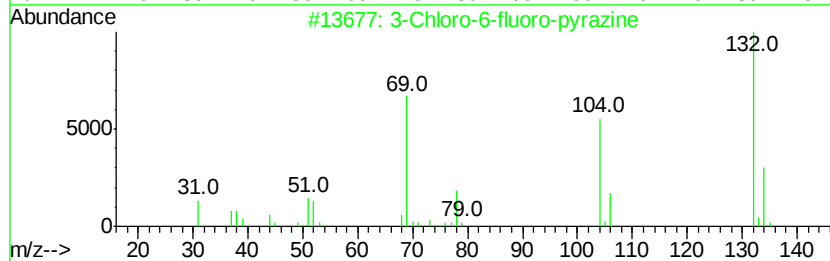
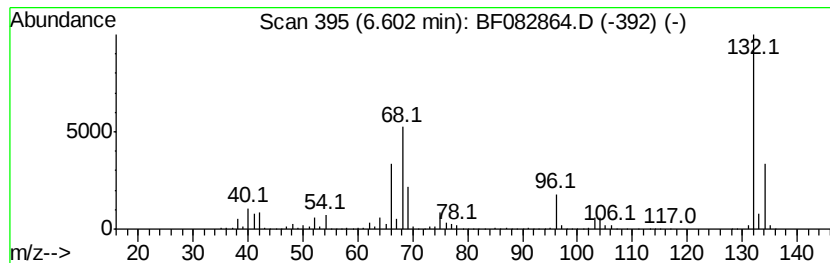
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	88.65 ng	6330330	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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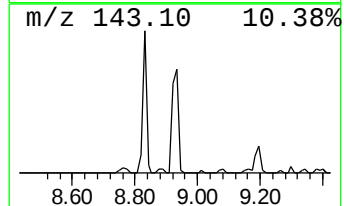
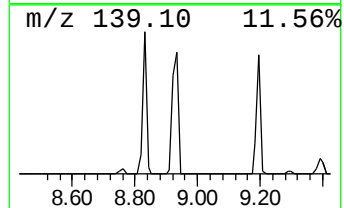
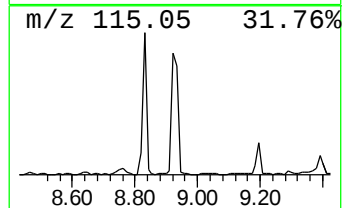
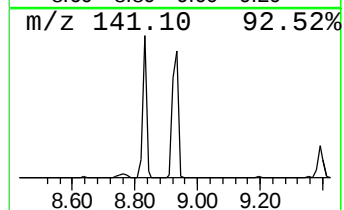
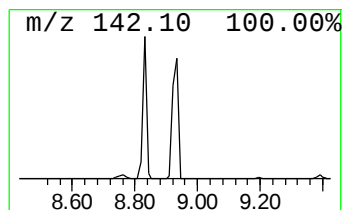
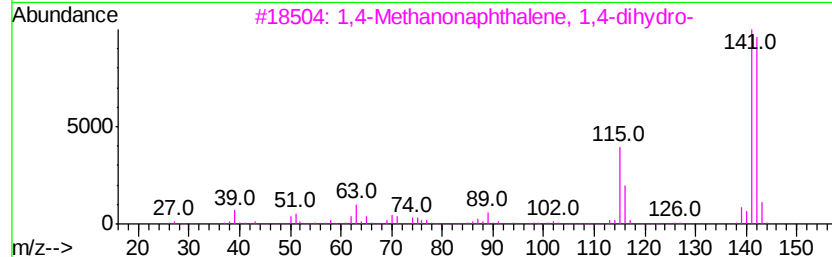
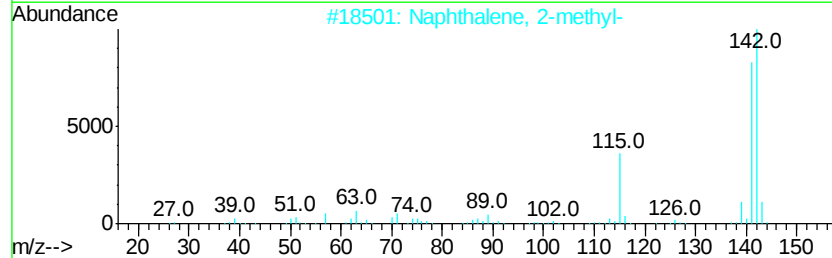
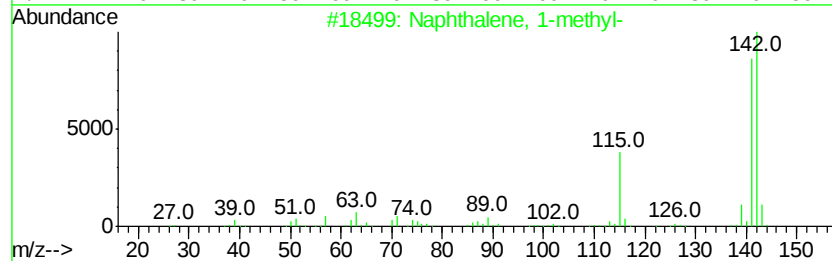
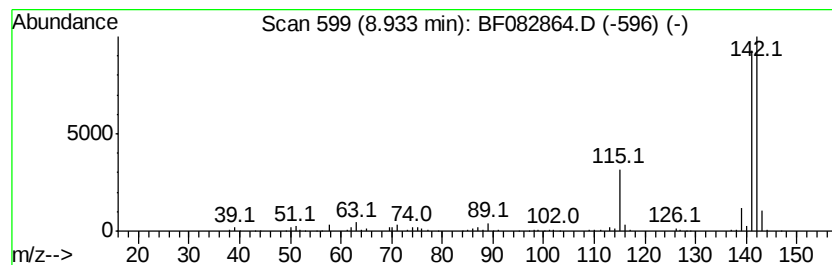
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	6.46 ng	616034	Naphthalene-d8	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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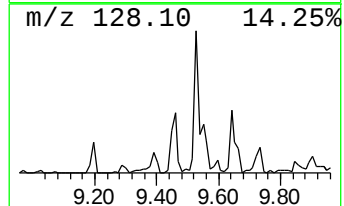
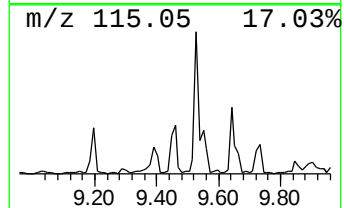
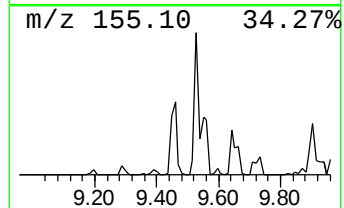
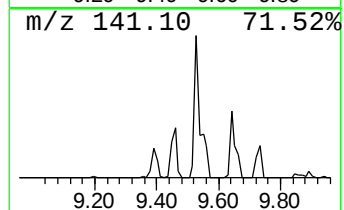
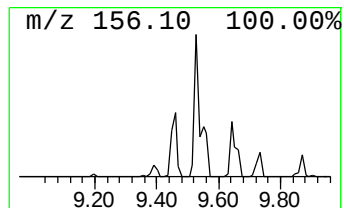
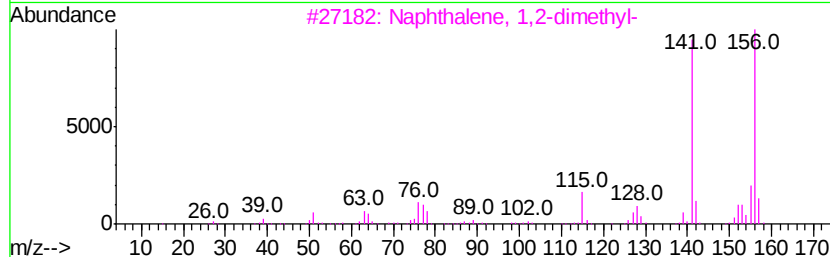
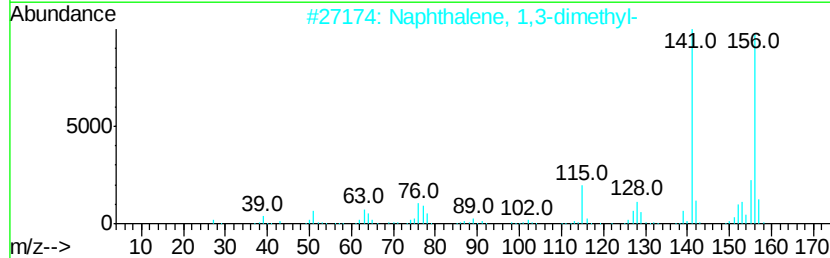
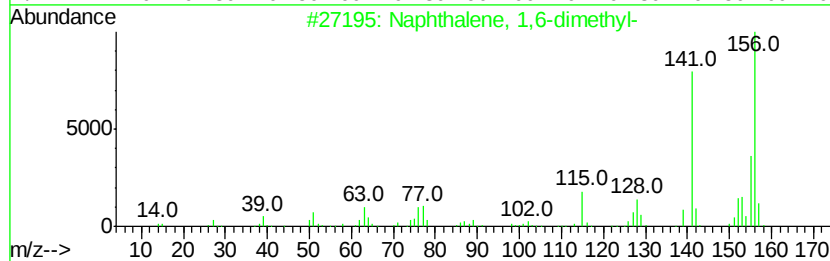
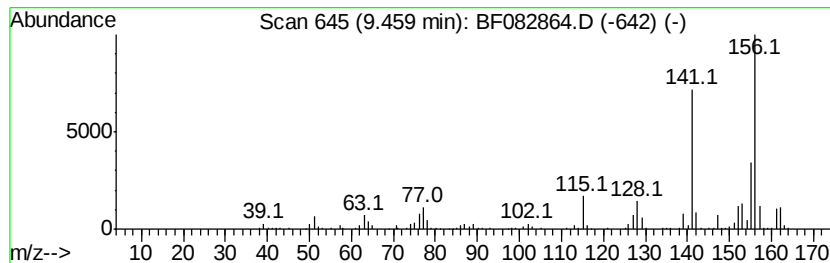
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	4.81 ng	458314	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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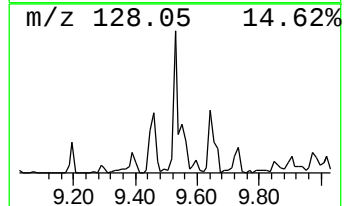
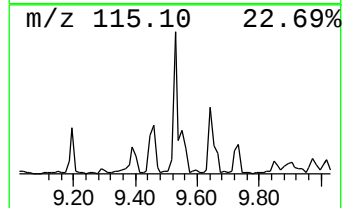
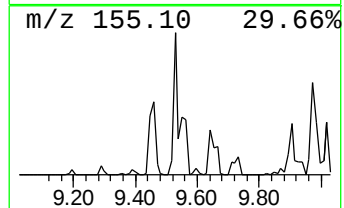
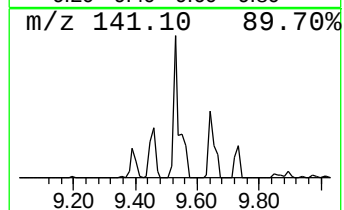
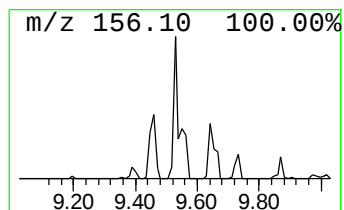
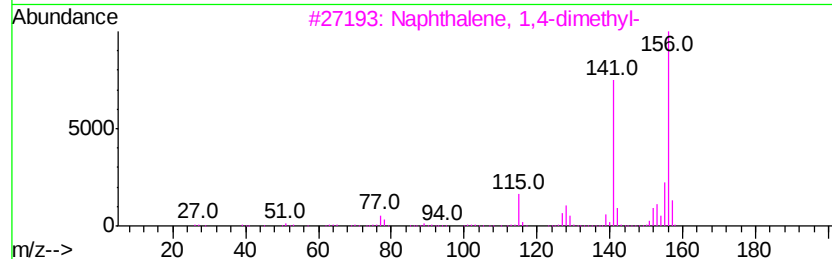
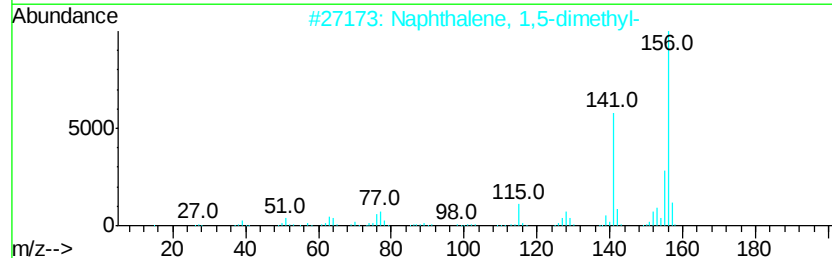
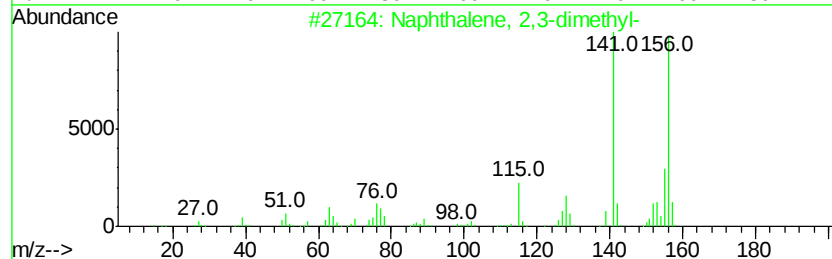
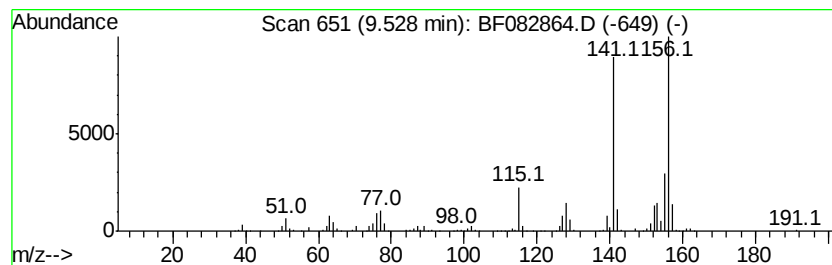
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	7.73 ng	735999	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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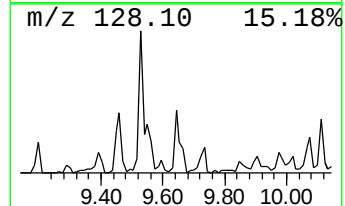
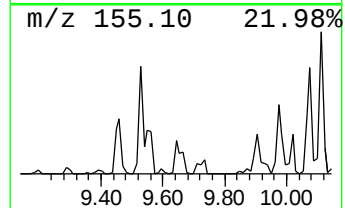
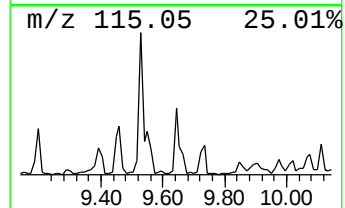
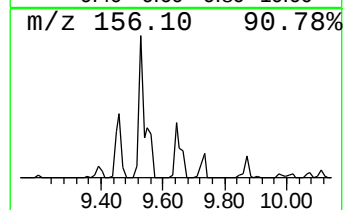
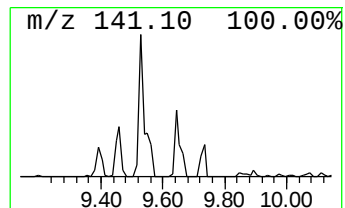
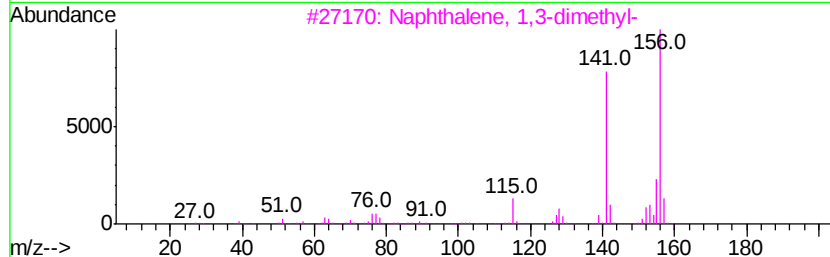
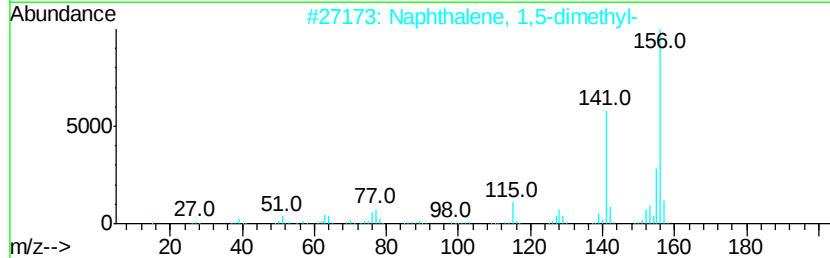
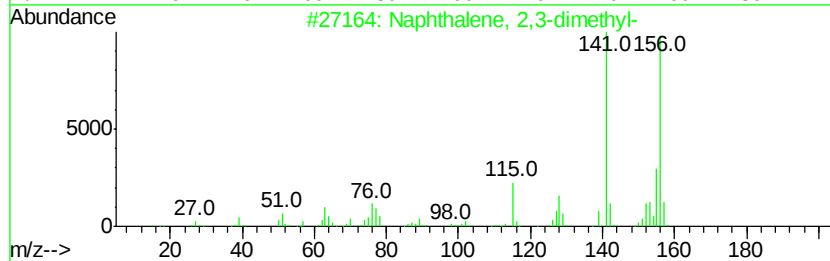
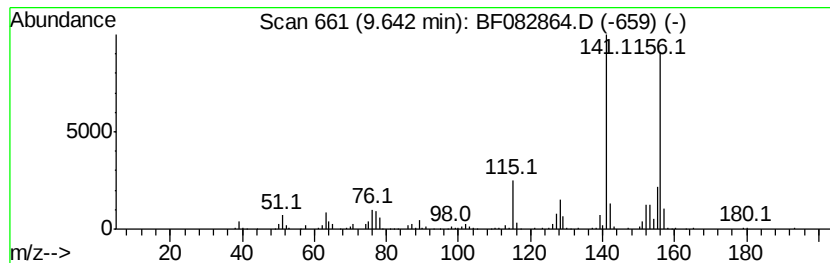
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown9.64 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	4.65 ng	442464	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
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Instrument :
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ClientSampleId :
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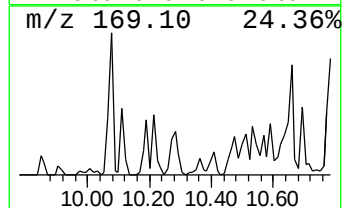
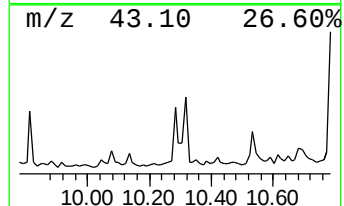
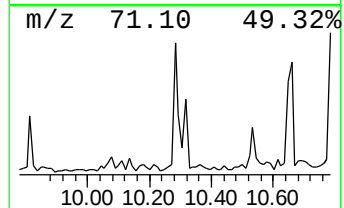
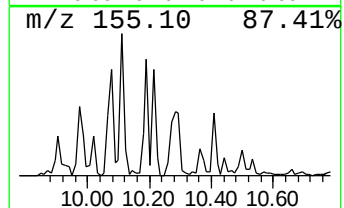
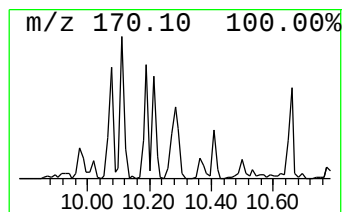
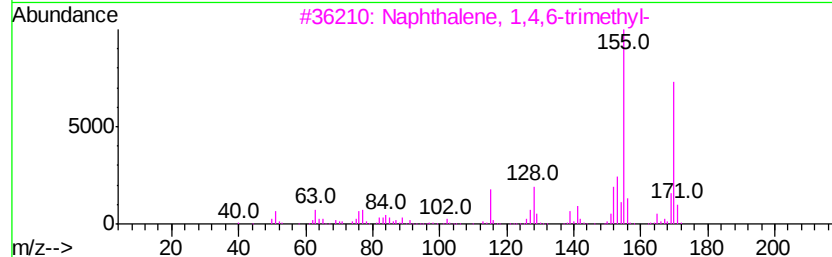
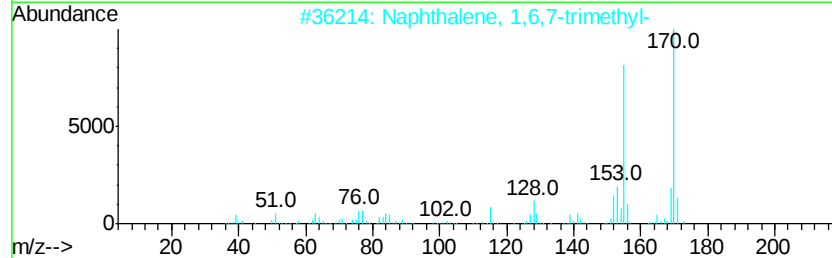
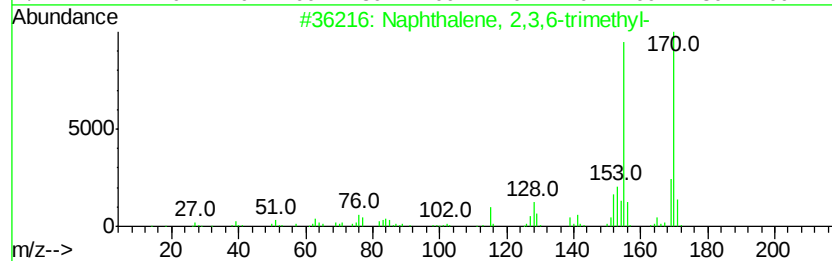
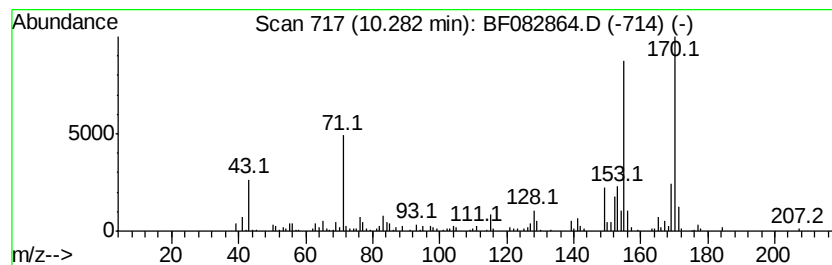
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	4.44 ng	422811	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
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Sample : G4327-01
Misc :
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Instrument :
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ClientSampleId :
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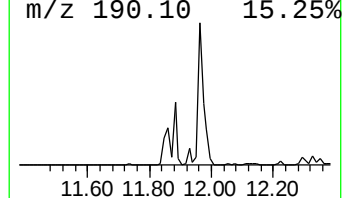
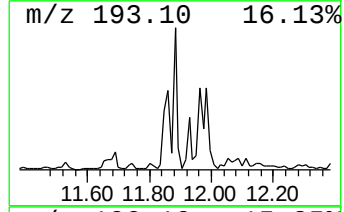
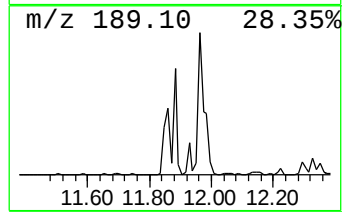
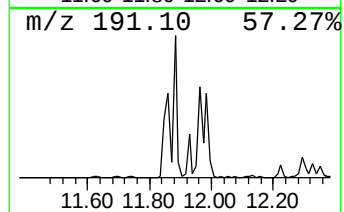
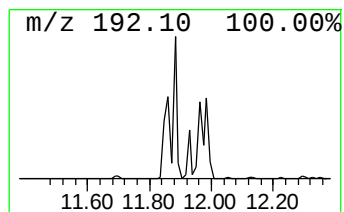
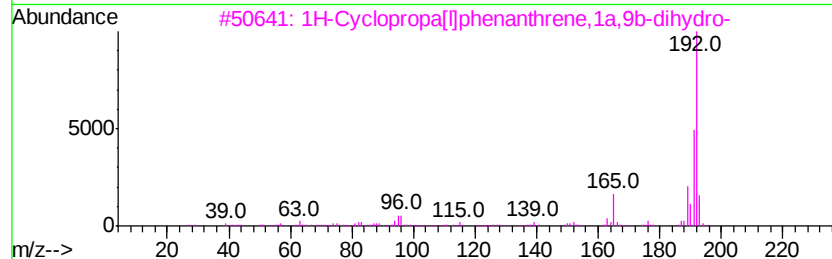
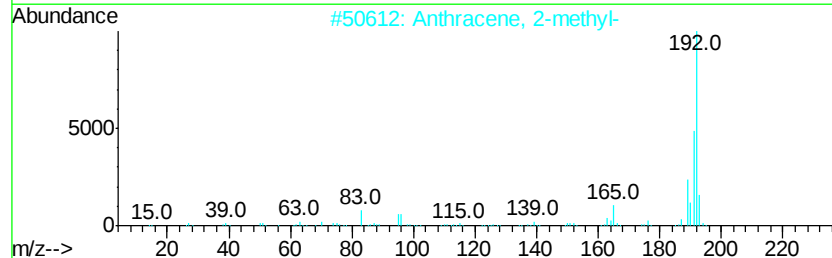
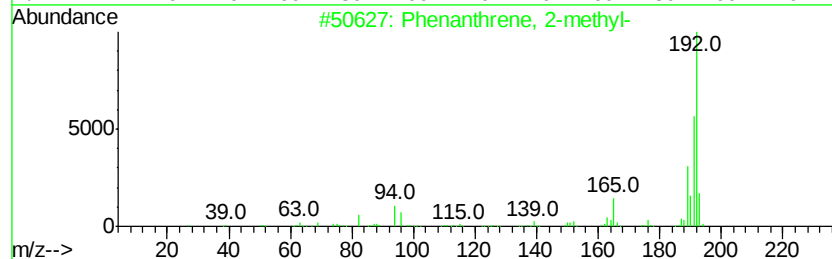
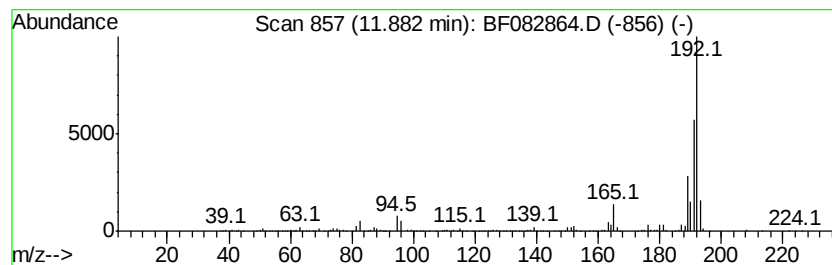
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.35 ng	1803330	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
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Instrument :
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ClientSampleId :
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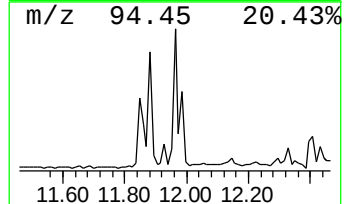
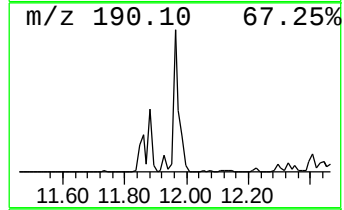
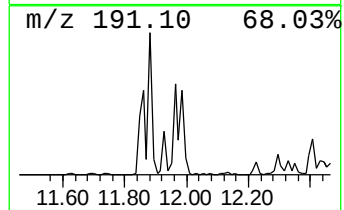
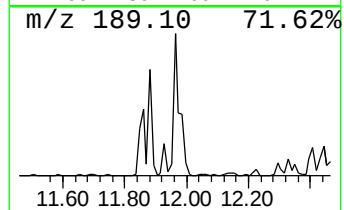
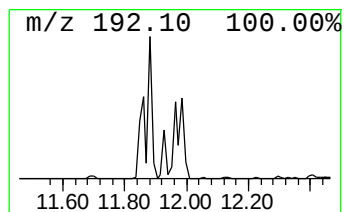
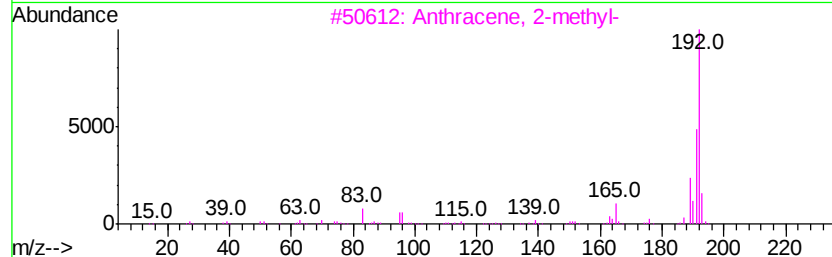
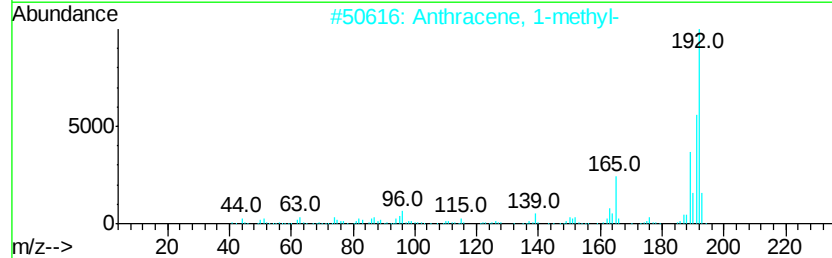
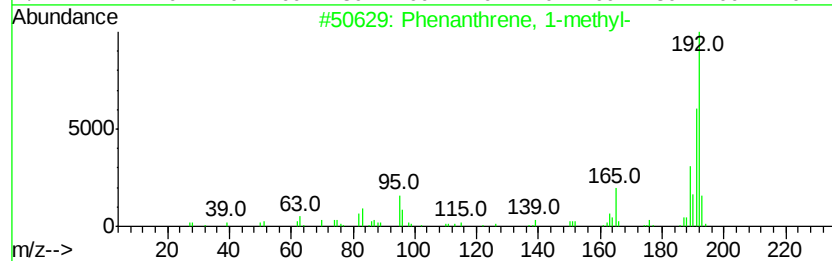
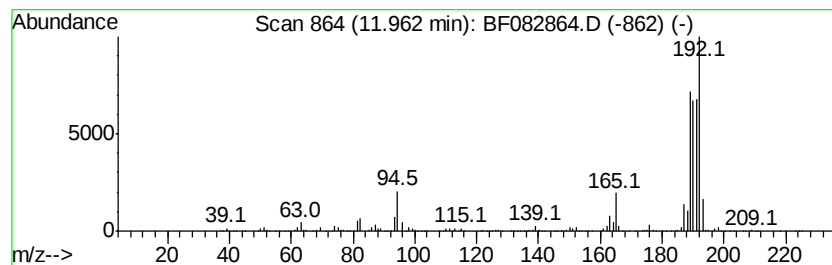
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.65 ng	2758530	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	53
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
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Instrument :
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ClientSampled :
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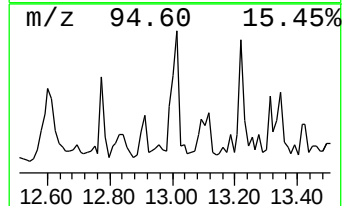
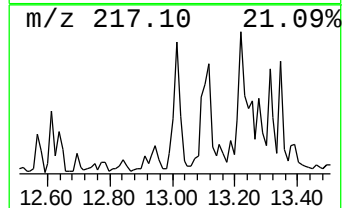
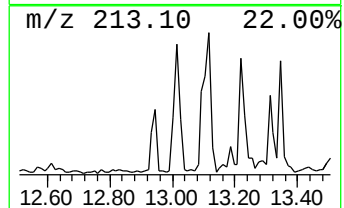
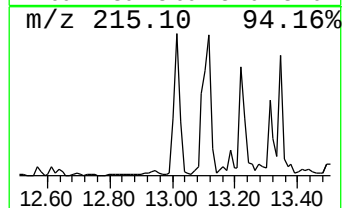
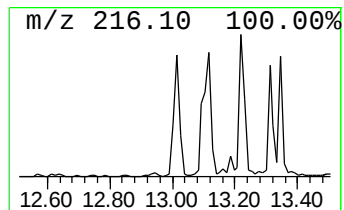
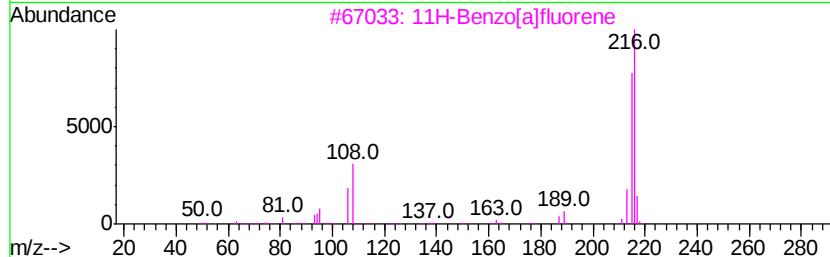
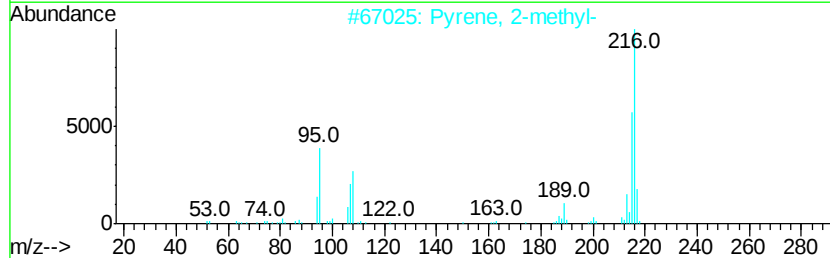
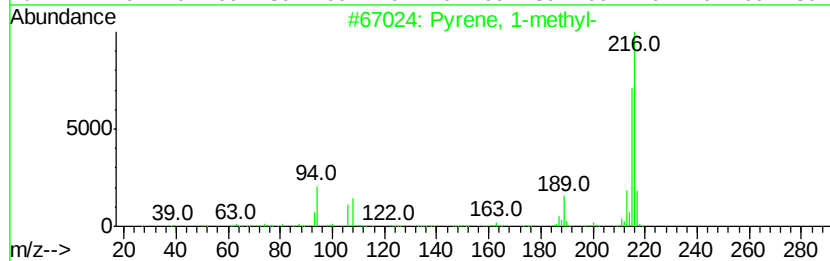
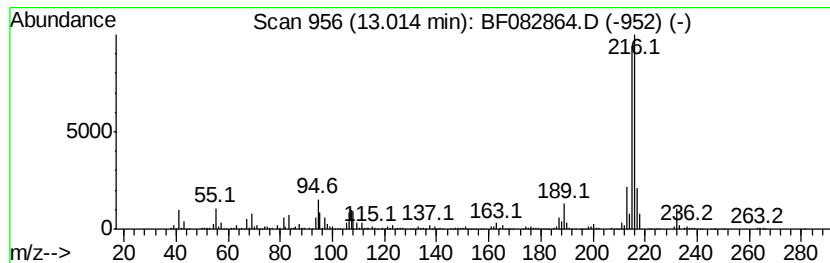
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	5.15 ng	1499870	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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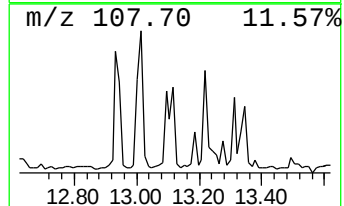
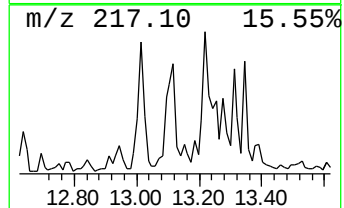
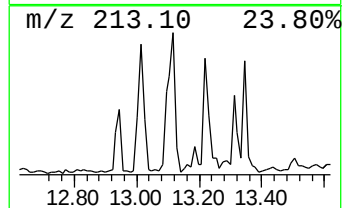
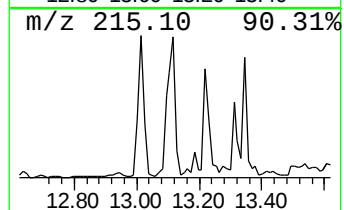
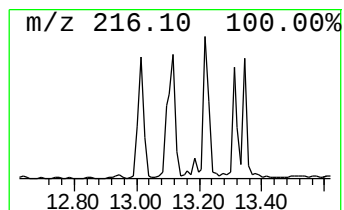
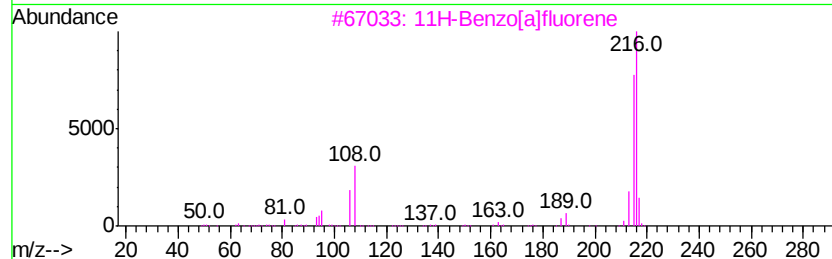
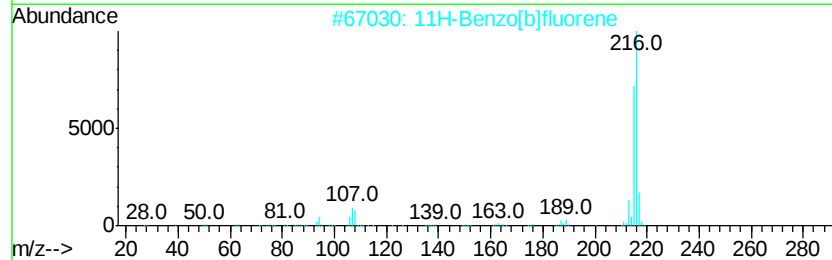
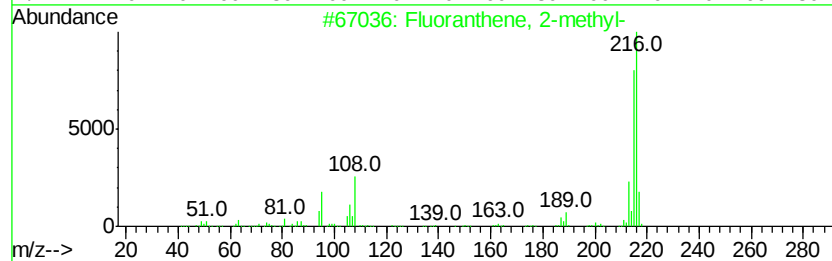
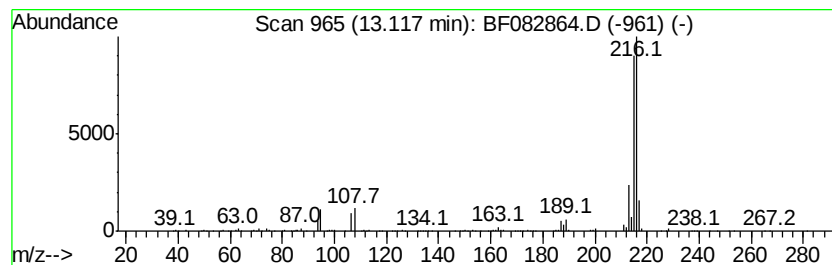
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.41 ng	1282930	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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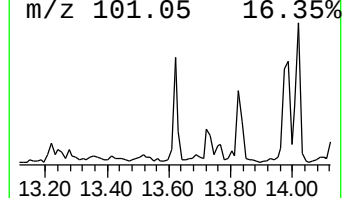
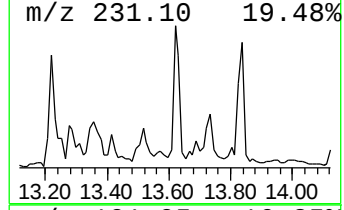
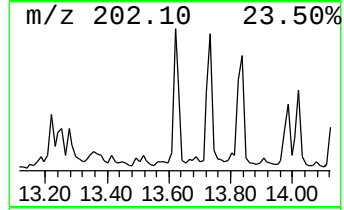
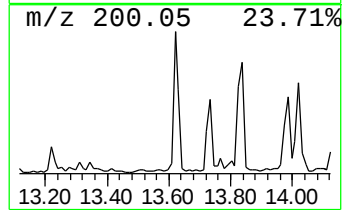
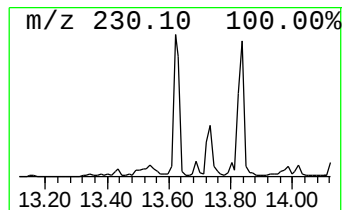
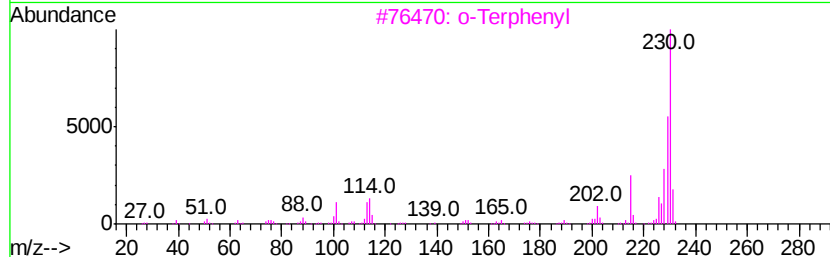
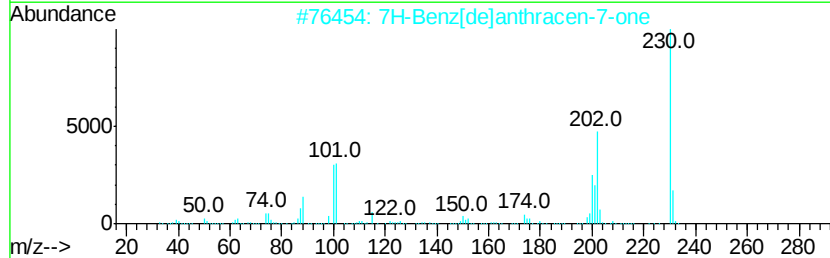
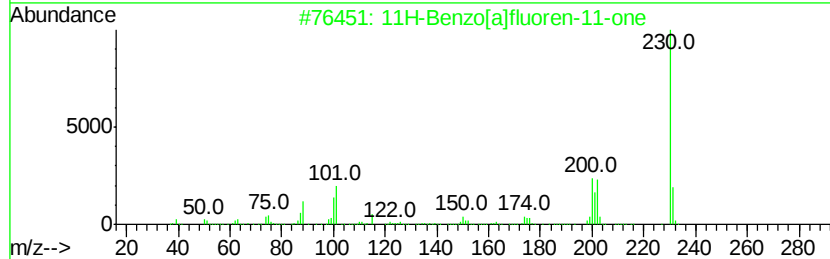
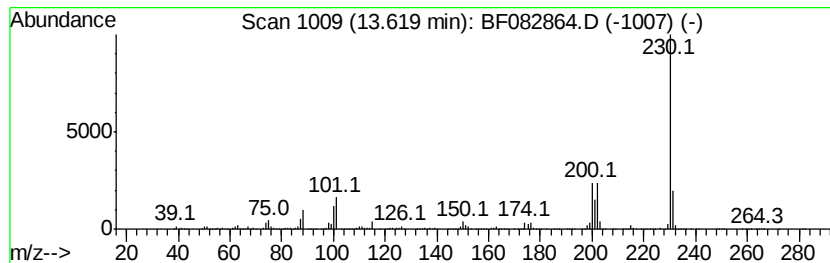
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	4.54 ng	1322970	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	99
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3			o-Terphenyl	230	C18H14	000084-15-1	59
4			Visnagin	230	C13H10O4	000082-57-5	49
5			4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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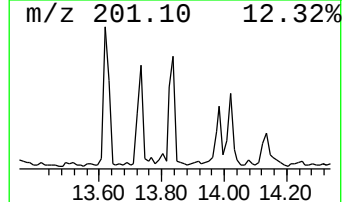
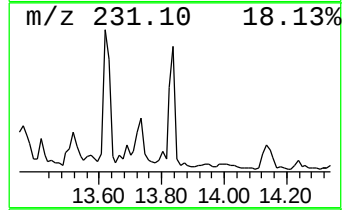
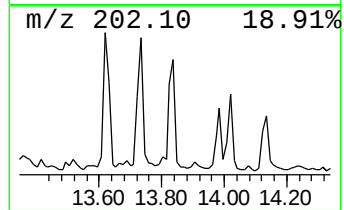
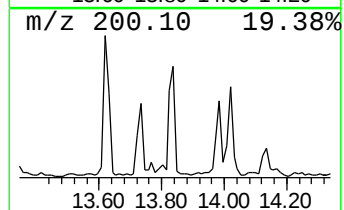
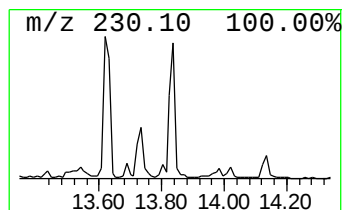
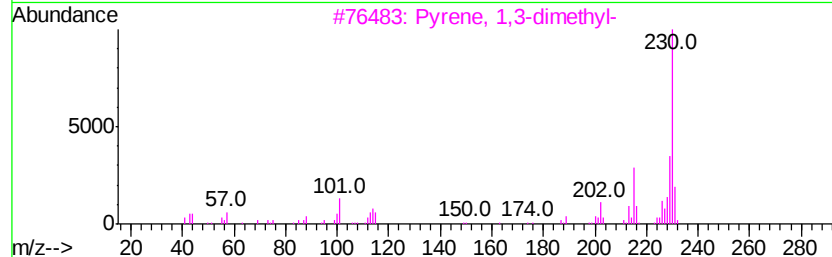
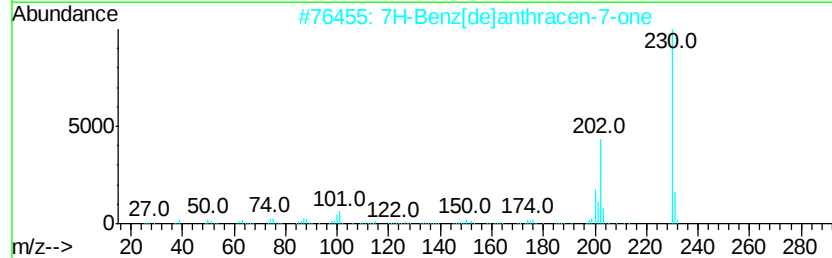
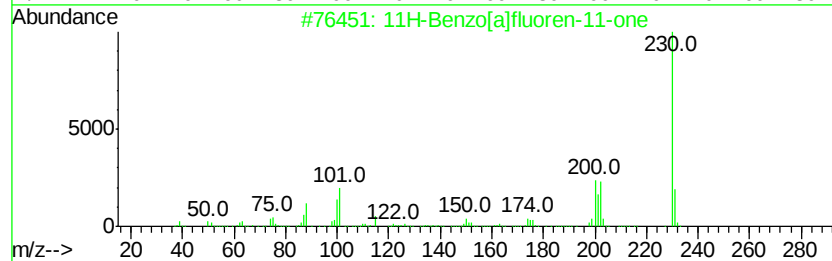
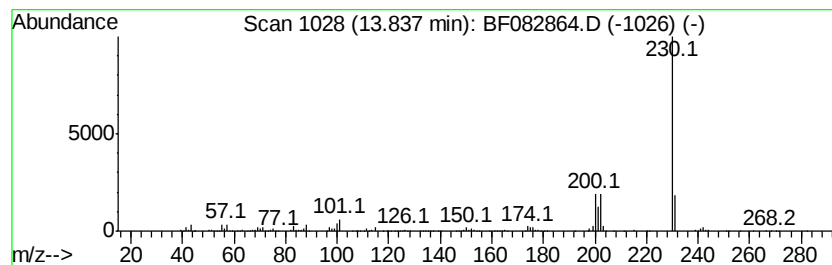
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown13.84 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.47 ng	1593740	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3		Pvrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
4		Dibenzo[c,h][2,6]naphthylidine	230	C16H10N2	000218-30-4	59
5		4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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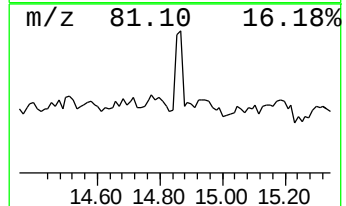
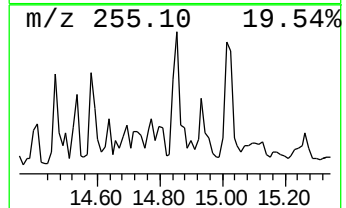
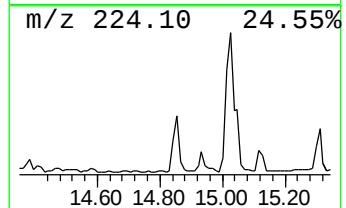
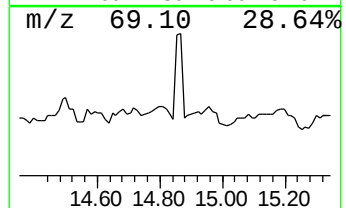
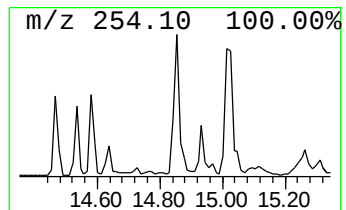
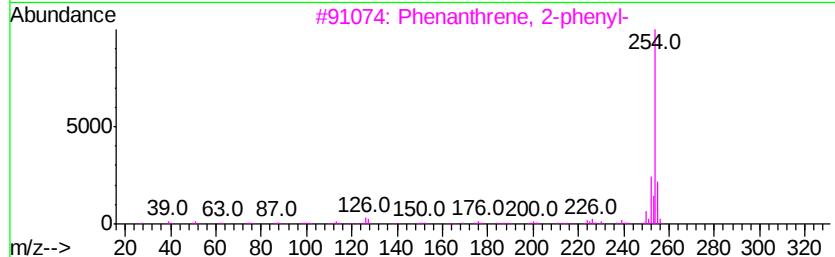
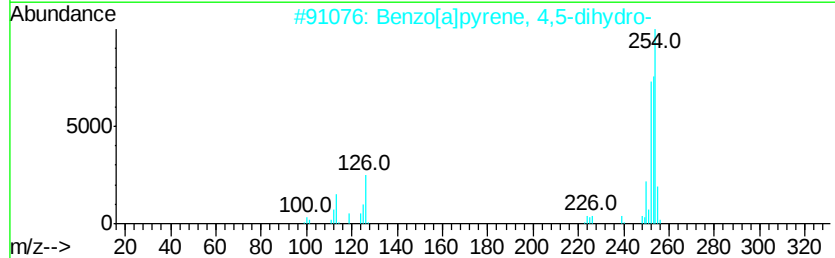
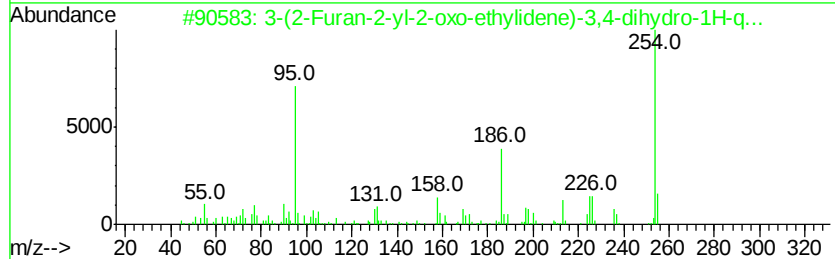
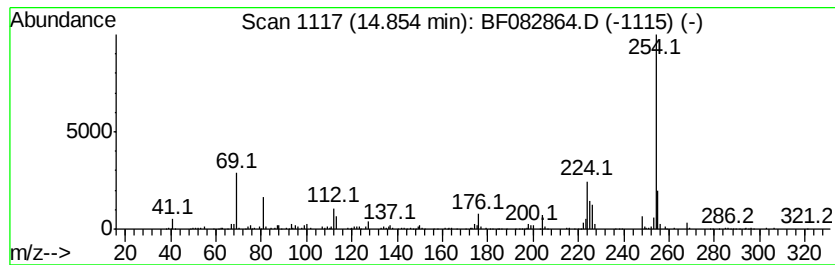
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 3-(2-Furan-2-yl-2-oxo-ethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	13.84 ng	715966	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-(2-Furan-2-yl-2-oxo-ethylidene...	254	C14H10N2O3	1000297-32-1	59
2		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	59
3		Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	59
4		2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	53
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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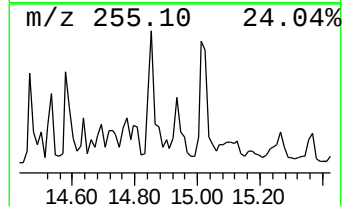
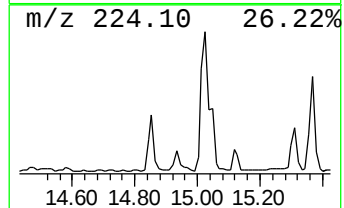
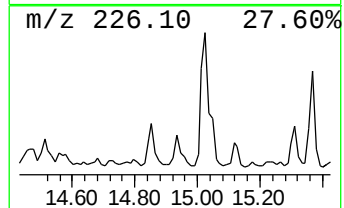
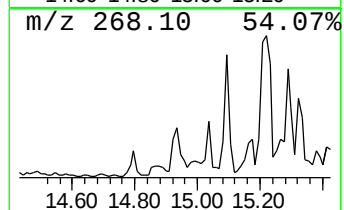
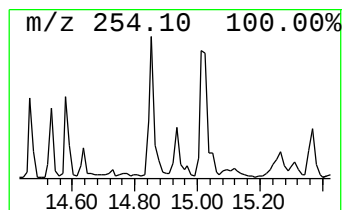
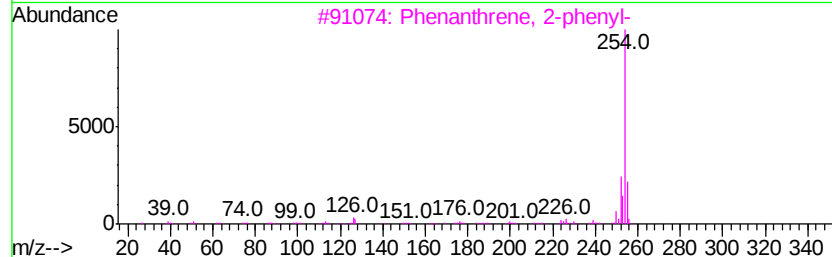
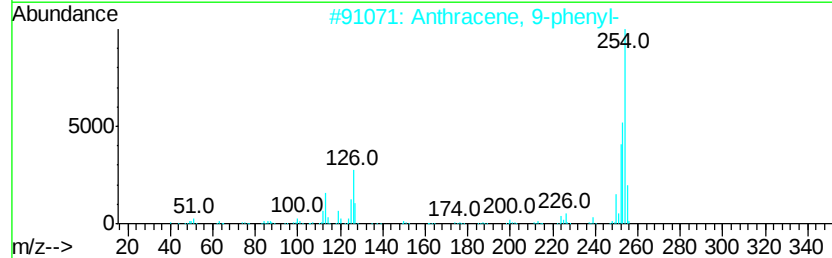
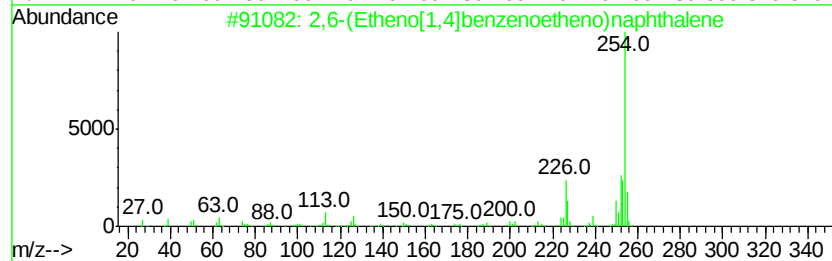
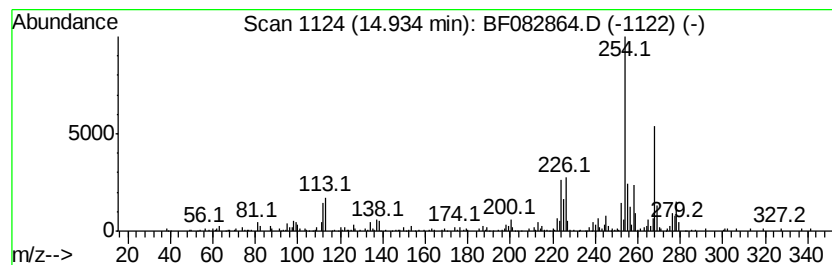
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown14.93 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	5.30 ng	274349	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	46
2		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	35
3		Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	35
4		1(3H)-Isobenzofuranone, 5-hydrox...	254	C15H10O4	056783-95-0	35
5		Chrysin	254	C15H10O4	000480-40-0	32



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
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Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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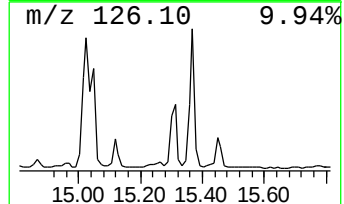
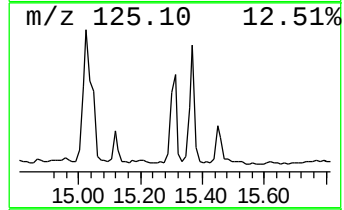
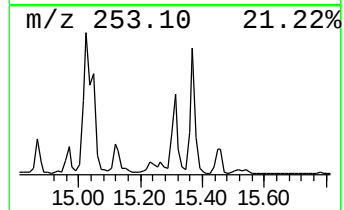
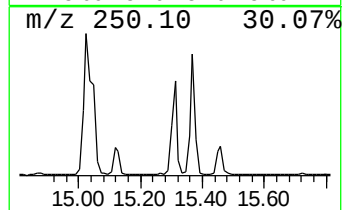
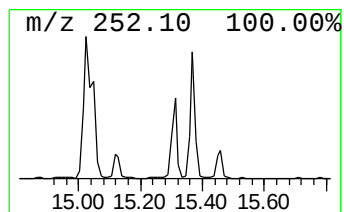
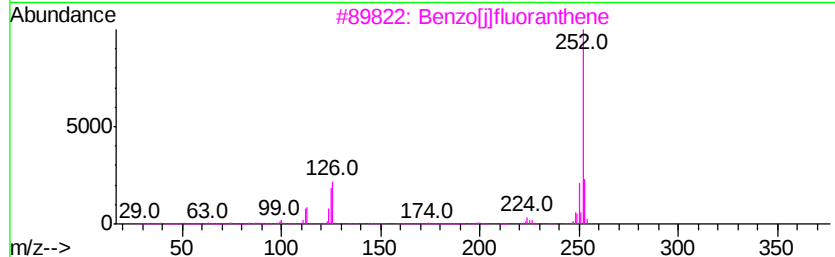
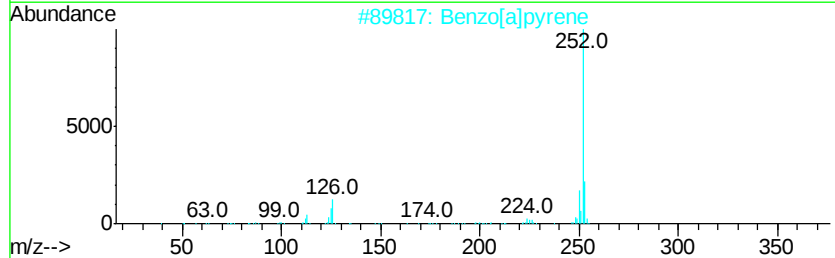
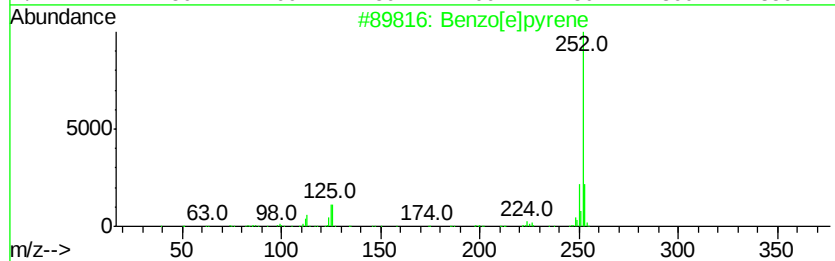
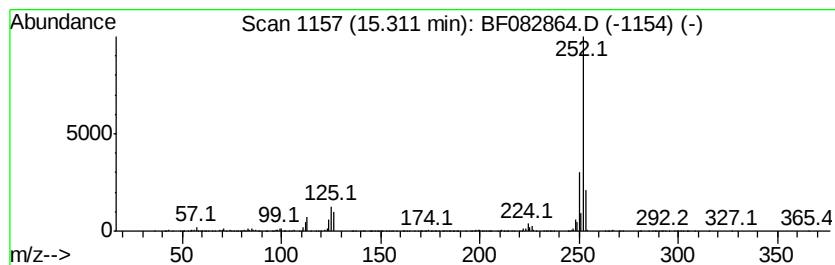
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	28.43 ng	1470700	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benzo[a]pyrene	252	C20H12	000050-32-8	93
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	91
4		Perylene	252	C20H12	000198-55-0	90
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

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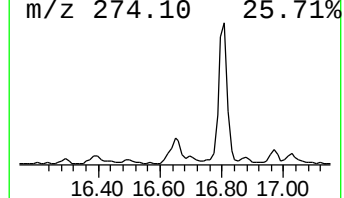
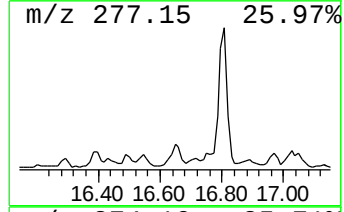
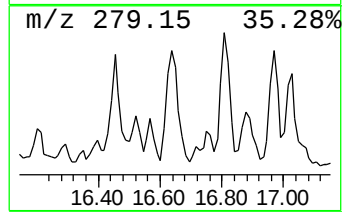
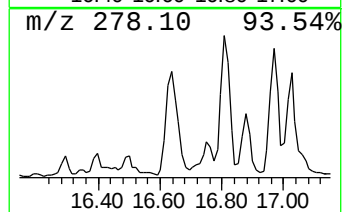
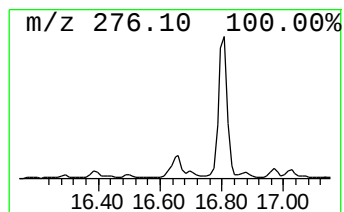
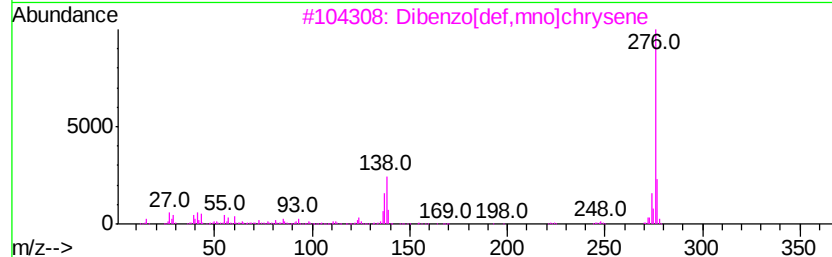
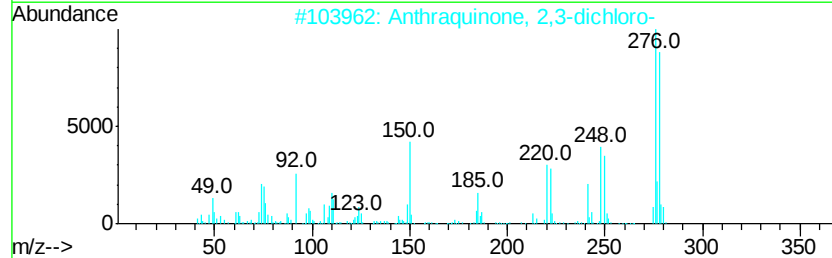
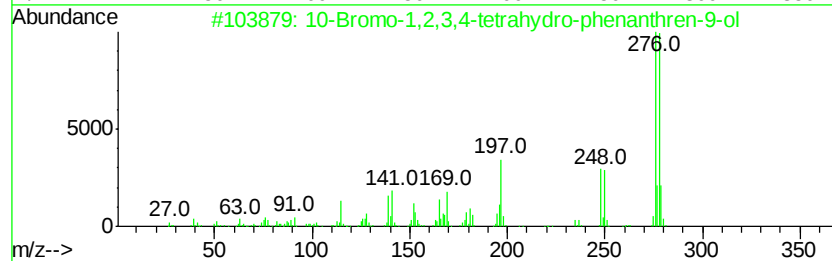
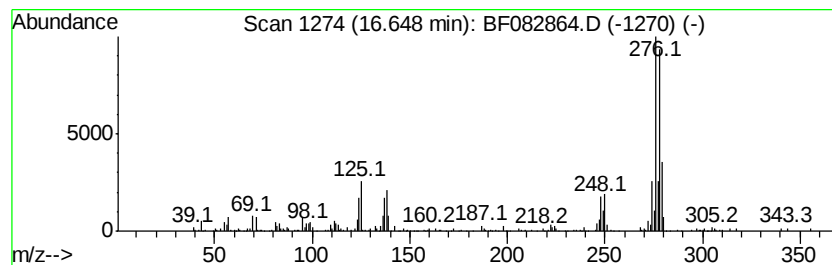
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	10.33 ng	534332	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	59
2		Anthraquinone, 2,3-dichloro-	276	C14H6Cl2O2	000084-45-7	53
3		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	46
4		Benzo[ghi]perylene	276	C22H12	000191-24-2	46
5		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110915\
Data File : BF082864.D
Acq On : 10 Nov 2015 10:11
Operator : UM/IZ
Sample : G4327-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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...	5.02	51.4	ng	3672720	1	6.83	1428240	20.0
unknown6.60	6.60	88.7	ng	6330330	1	6.83	1428240	20.0
Naphthalene, 1-me...	8.93	6.5	ng	616034	2	8.12	1906610	20.0
Naphthalene, 1,6-...	9.46	4.8	ng	458314	3	9.87	1903740	20.0
Naphthalene, 2,3-...	9.53	7.7	ng	735999	3	9.87	1903740	20.0
unknown9.64	9.64	4.7	ng	442464	3	9.87	1903740	20.0
Naphthalene, 2,3,...	10.28	4.4	ng	422811	3	9.87	1903740	20.0
Phenanthrene, 2-m...	11.88	4.3	ng	1803330	4	11.36	8293300	20.0
Phenanthrene, 1-m...	11.96	6.7	ng	2758530	4	11.36	8293300	20.0
Pyrene, 1-methyl-	13.01	5.2	ng	1499870	5	14.00	5823940	20.0
Fluoranthene, 2-m...	13.12	4.4	ng	1282930	5	14.00	5823940	20.0
11H-Benzo[a]fluor...	13.62	4.5	ng	1322970	5	14.00	5823940	20.0
unknown13.84	13.84	5.5	ng	1593740	5	14.00	5823940	20.0
3-(2-Furan-2-yl-2...	14.85	13.8	ng	715966	6	15.43	1034530	20.0
unknown14.93	14.93	5.3	ng	274349	6	15.43	1034530	20.0
Benzo[e]pyrene	15.31	28.4	ng	1470700	6	15.43	1034530	20.0
10-Bromo-1,2,3,4-...	16.65	10.3	ng	534332	6	15.43	1034530	20.0