

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083023.D
 Acq On : 18 Nov 2015 22:25
 Operator : UM/IZ
 Sample : G4412-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2

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	3.573	126	130	133	rVB	372904	669393	11.12%	0.655%
2	4.887	242	245	248	rBV	1194740	2105128	34.99%	2.060%
3	5.333	282	284	287	rBV	2917831	3927116	65.27%	3.842%
4	6.385	373	376	378	rBV	3577954	3863359	64.21%	3.780%
5	6.499	383	386	388	rBV	3568667	3711332	61.68%	3.631%
6	6.727	404	406	408	rBV	1092673	886839	14.74%	0.868%
7	6.887	417	420	422	rBV	3683910	3389170	56.33%	3.316%
8	7.299	452	456	458	rBV	2731499	2951956	49.06%	2.888%
9	8.019	517	519	523	rVB2	1282276	1855840	30.84%	1.816%
10	8.728	579	581	583	rVB	528836	426234	7.08%	0.417%
11	8.830	588	590	592	rVB	358220	353822	5.88%	0.346%
12	9.093	611	613	616	rVB	3413843	3873566	64.38%	3.790%
13	9.196	619	622	624	rVB2	183322	247640	4.12%	0.242%
14	9.356	633	636	638	rBV	169856	229993	3.82%	0.225%
15	9.425	640	642	644	rBV	307128	405931	6.75%	0.397%
16	9.493	646	648	650	rBV	1249911	1052589	17.49%	1.030%
17	9.539	650	652	655	rVB3	103922	179105	2.98%	0.175%
18	9.631	658	660	662	rBV	571925	634362	10.54%	0.621%
19	9.722	666	668	669	rBV	235103	240215	3.99%	0.235%
20	9.768	669	672	673	rBV	1360995	1303147	21.66%	1.275%
21	9.973	687	690	692	rVB	579793	633743	10.53%	0.620%
22	10.088	697	700	701	rBV2	138384	202888	3.37%	0.199%
23	10.179	705	708	710	rBV2	102326	209240	3.48%	0.205%
24	10.213	710	711	713	rVB	405666	334826	5.56%	0.328%
25	10.282	713	717	718	rBV4	77086	174356	2.90%	0.171%
26	10.305	718	719	723	rVB	414826	612092	10.17%	0.599%
27	10.431	728	730	732	rVB3	120372	189382	3.15%	0.185%
28	10.465	732	733	736	rVB2	187963	275343	4.58%	0.269%
29	10.556	738	741	743	rVB	2843986	2783612	46.26%	2.724%
30	10.682	749	752	756	rBV3	305927	632487	10.51%	0.619%
31	10.865	765	768	769	rBV3	88826	202253	3.36%	0.198%
32	11.014	778	781	783	rVB4	131802	218806	3.64%	0.214%
33	11.048	783	784	787	rVB	528200	530987	8.82%	0.520%
34	11.105	787	789	790	rBV	174781	224478	3.73%	0.220%

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35	11.139	790	792	794	rBV	551696	461114	7.66%	0.451%
36	11.276	799	804	806	rBV2	5255091	6017039	100.00%	5.887%
37	11.322	806	808	809	rVV	598398	502557	8.35%	0.492%
38	11.471	818	821	823	rBV2	279671	492240	8.18%	0.482%
39	11.574	826	830	832	rVB4	300147	543507	9.03%	0.532%
40	11.745	843	845	846	rVV	866397	929679	15.45%	0.910%
41	11.779	846	848	850	rVV	1340297	1274564	21.18%	1.247%
42	11.825	850	852	853	rVV	278497	270877	4.50%	0.265%
43	11.859	853	855	859	rVV2	1234517	1891698	31.44%	1.851%
44	11.974	859	865	867	rVV4	151997	450220	7.48%	0.441%
45	12.065	869	873	877	rVV3	1143058	1655087	27.51%	1.619%
46	12.191	882	884	886	rVV	275898	358282	5.95%	0.351%
47	12.225	886	887	891	rVV2	340468	499940	8.31%	0.489%
48	12.305	891	894	895	rVV	658171	982448	16.33%	0.961%
49	12.328	895	896	899	rVV	365819	732921	12.18%	0.717%
50	12.385	899	901	903	rVV2	516975	678872	11.28%	0.664%
51	12.465	905	908	910	rVV	4796833	4964233	82.50%	4.857%
52	12.511	910	912	914	rVV2	200371	347116	5.77%	0.340%
53	12.545	914	915	917	rVB	297315	289308	4.81%	0.283%
54	12.591	917	919	921	rBV2	343447	561527	9.33%	0.549%
55	12.637	921	923	925	rVV3	154555	292302	4.86%	0.286%
56	12.694	925	928	930	rVV	3920083	5385439	89.50%	5.269%
57	12.728	930	931	934	rVB2	282306	442755	7.36%	0.433%
58	12.797	935	937	938	rBV2	223413	296104	4.92%	0.290%
59	12.831	938	940	943	rVV	2293558	3050499	50.70%	2.985%
60	12.911	943	947	948	rVV2	428997	662022	11.00%	0.648%
61	13.014	952	956	958	rVV2	629252	1172755	19.49%	1.147%
62	13.082	958	962	963	rVV	368981	453040	7.53%	0.443%
63	13.117	963	965	969	rVB	771598	852593	14.17%	0.834%
64	13.208	971	973	974	rVV	499206	436357	7.25%	0.427%
65	13.242	974	976	978	rVV2	286409	408467	6.79%	0.400%
66	13.311	980	982	985	rVB3	147351	282596	4.70%	0.276%
67	13.425	985	992	994	rBV6	177817	601918	10.00%	0.589%
68	13.517	996	1000	1003	rVB2	580278	909702	15.12%	0.890%
69	13.620	1007	1009	1011	rBV2	466845	695357	11.56%	0.680%
70	13.654	1011	1012	1013	rVV	362819	291002	4.84%	0.285%
71	13.677	1013	1014	1017	rVV2	269623	364802	6.06%	0.357%

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72	13.722	1017	1018	1019	rVV	422399	331108	5.50%	0.324%
73	13.802	1023	1025	1028	rVB4	209866	308784	5.13%	0.302%
74	13.871	1028	1031	1033	rBV2	1964138	3468898	57.65%	3.394%
75	13.905	1033	1034	1038	rVB	1862949	1829467	30.40%	1.790%
76	13.985	1038	1041	1042	rBV2	122302	202485	3.37%	0.198%
77	14.020	1042	1044	1045	rBV	305229	292436	4.86%	0.286%
78	14.111	1049	1052	1053	rBV3	95780	218408	3.63%	0.214%
79	14.260	1063	1065	1067	rVV	373757	612242	10.18%	0.599%
80	14.305	1067	1069	1070	rVV2	352800	448968	7.46%	0.439%
81	14.351	1070	1073	1075	rVV4	153165	360216	5.99%	0.352%
82	14.385	1075	1076	1080	rVB3	297547	523246	8.70%	0.512%
83	14.637	1097	1098	1100	rBV	140270	232841	3.87%	0.228%
84	14.740	1103	1107	1111	rBV2	162448	408554	6.79%	0.400%
85	14.797	1111	1112	1117	rVB3	145623	250876	4.17%	0.245%
86	14.888	1117	1120	1124	rBV	1733314	3390414	56.35%	3.317%
87	14.980	1126	1128	1130	rVB	401725	382653	6.36%	0.374%
88	15.083	1133	1137	1138	rBV3	96284	228299	3.79%	0.223%
89	15.163	1141	1144	1146	rVV	974254	1285743	21.37%	1.258%
90	15.220	1146	1149	1151	rVB	1475967	1712811	28.47%	1.676%
91	15.265	1151	1153	1159	rBV3	453315	1238427	20.58%	1.212%
92	15.597	1180	1182	1185	rVB	98853	172472	2.87%	0.169%
93	16.283	1240	1242	1250	rVB4	160961	427045	7.10%	0.418%
94	16.591	1265	1269	1272	rVB	626662	1192269	19.81%	1.167%
95	16.786	1284	1286	1289	rBV	105037	203078	3.38%	0.199%
96	16.980	1299	1303	1310	rVB	486678	1039557	17.28%	1.017%
97	18.020	1390	1394	1400	rVB5	48764	172373	2.86%	0.169%
98	18.969	1471	1477	1485	rVB2	120145	519097	8.63%	0.508%
99	19.140	1485	1492	1496	rBV	88823	383512	6.37%	0.375%
100	20.043	1567	1571	1579	rVB2	87956	337612	5.61%	0.330%

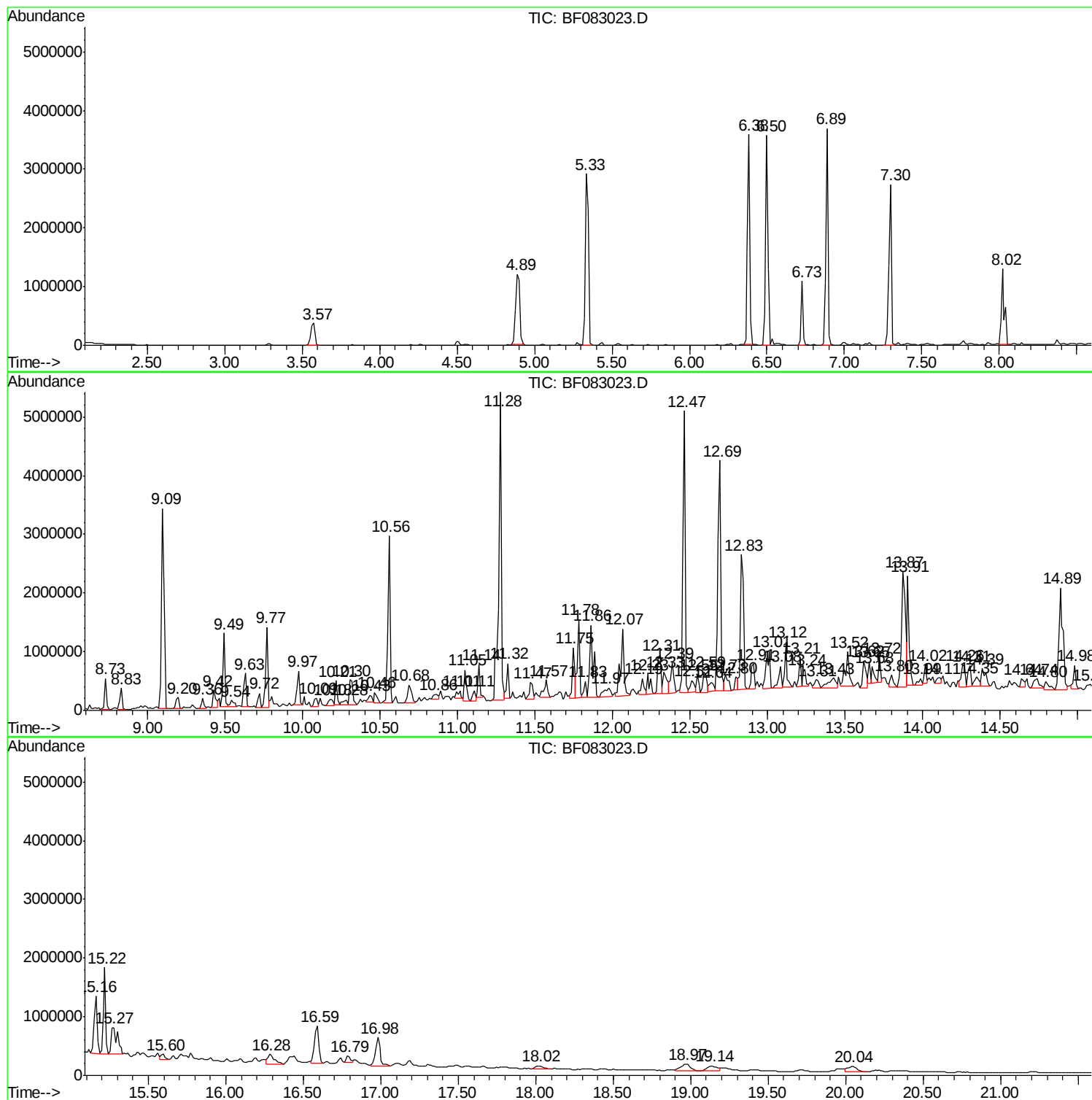
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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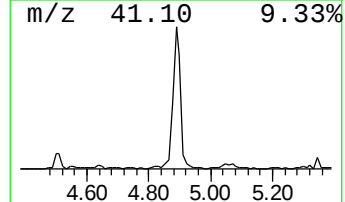
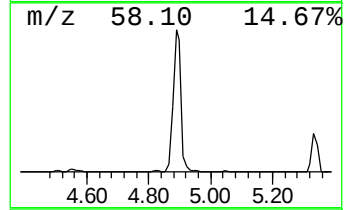
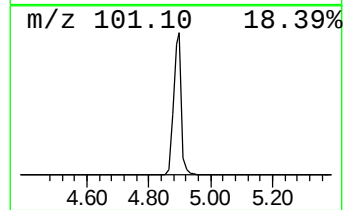
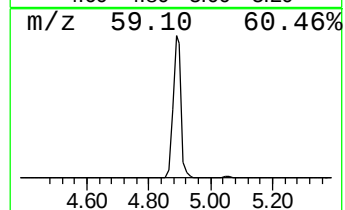
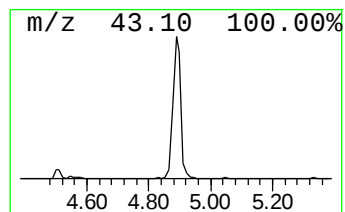
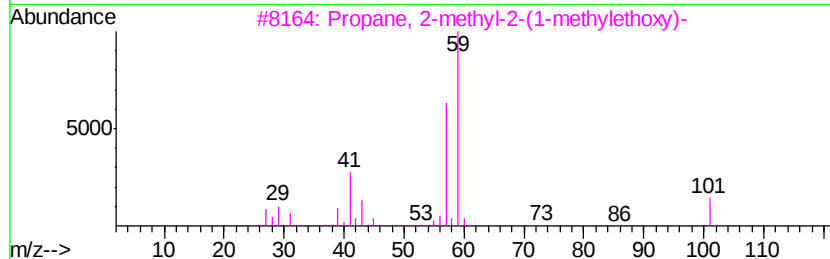
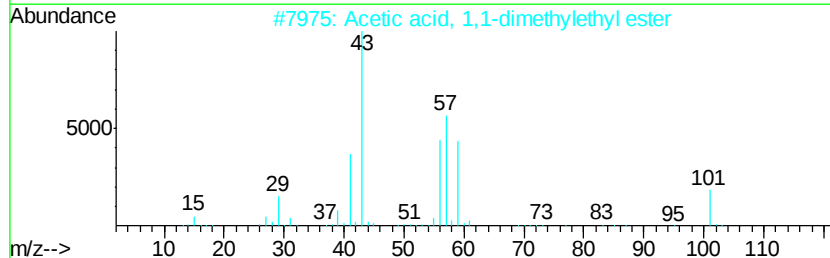
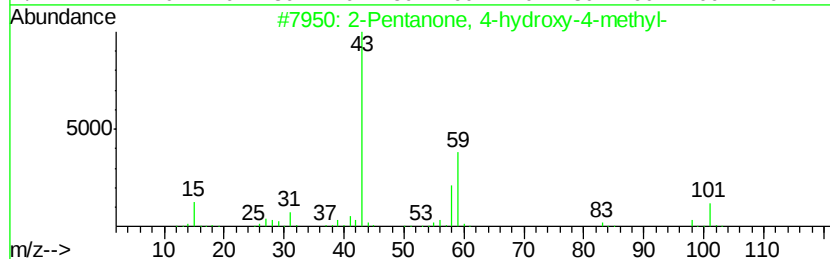
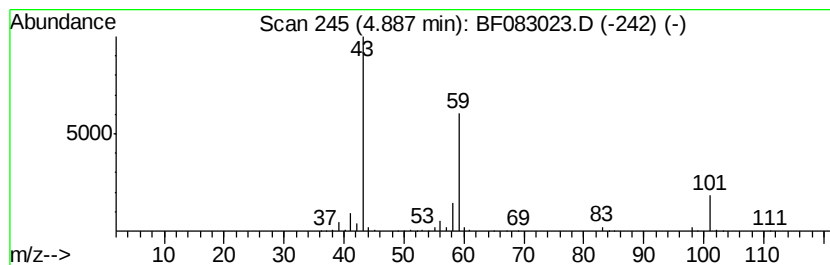
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	47.47 ng	2105130	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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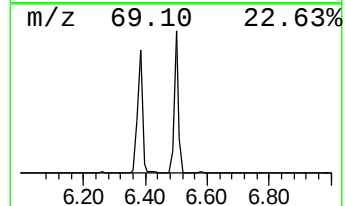
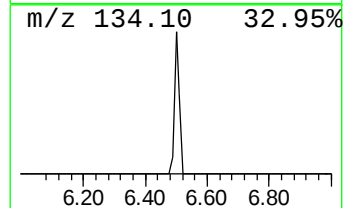
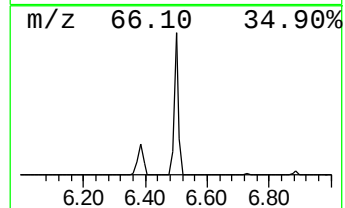
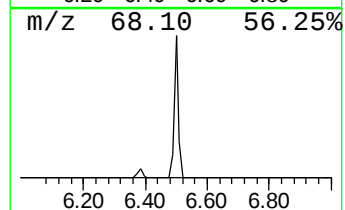
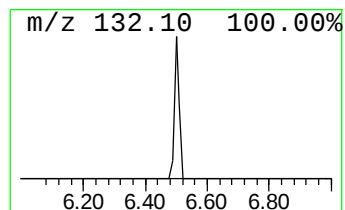
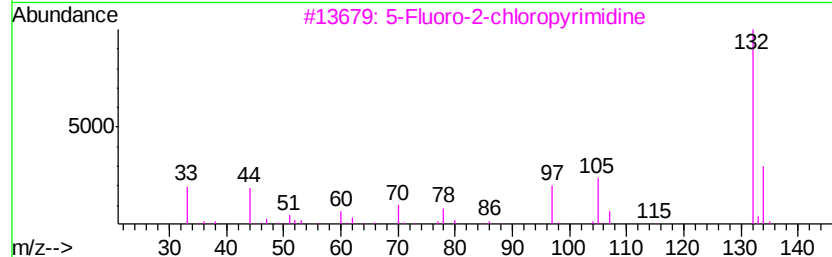
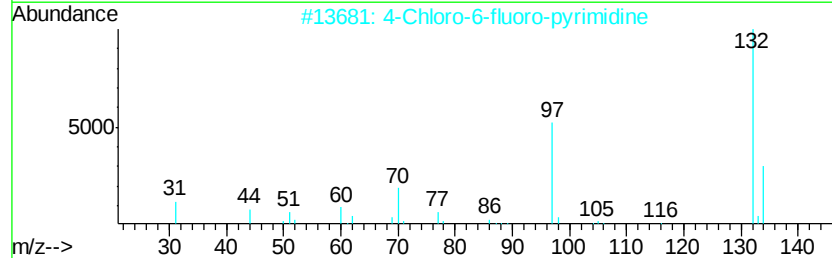
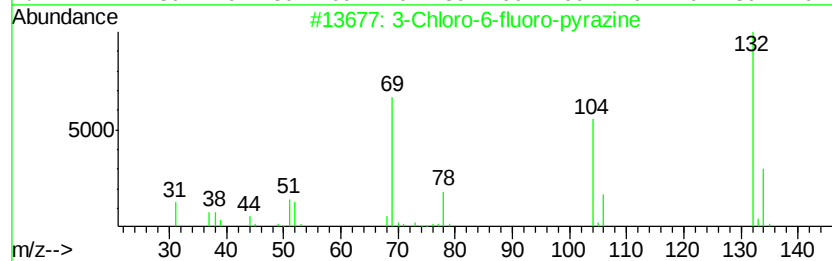
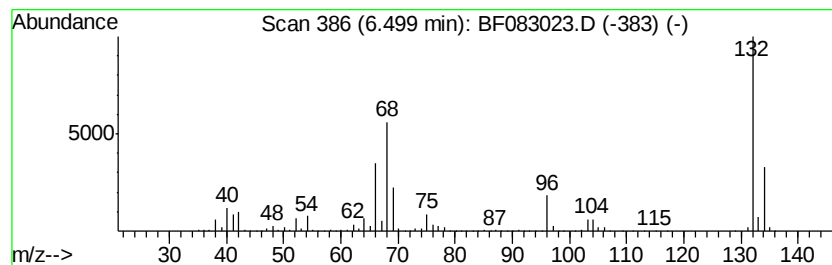
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	83.70 ng	3711330	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



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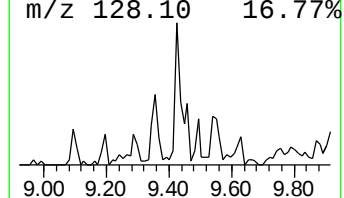
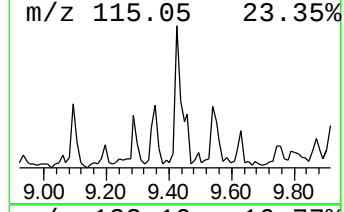
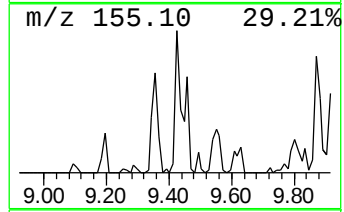
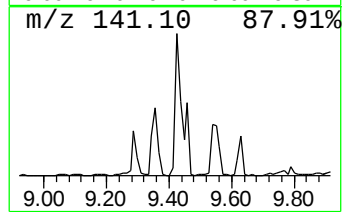
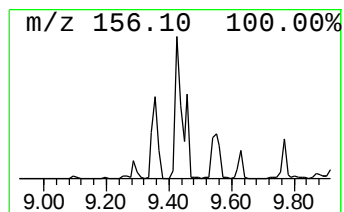
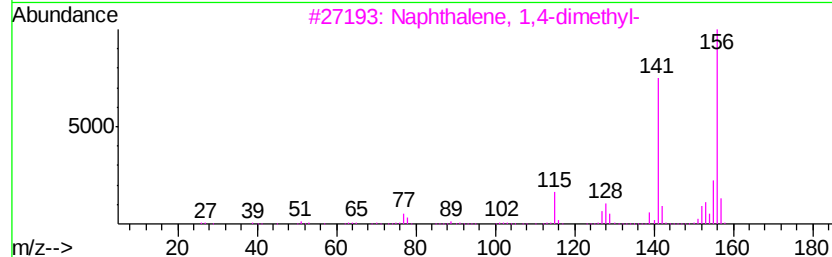
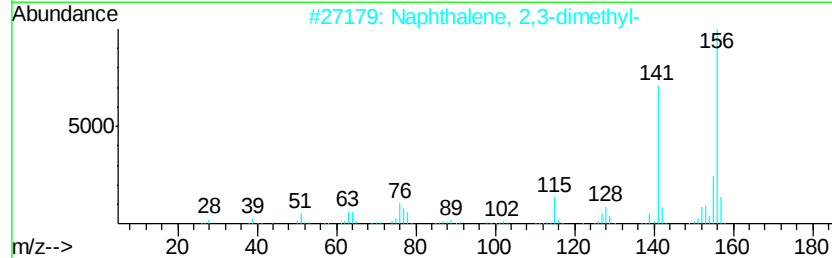
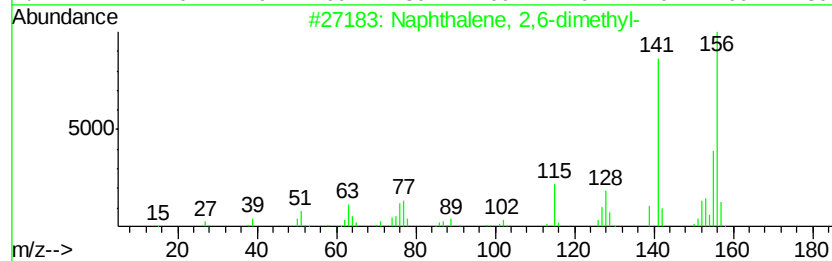
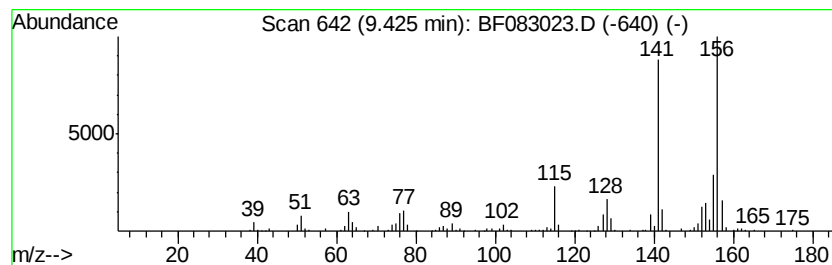
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Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.42	6.23 ng	405931	Acenaphthene-d10		9.77
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
Operator : UM/IZ
Sample : G4412-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

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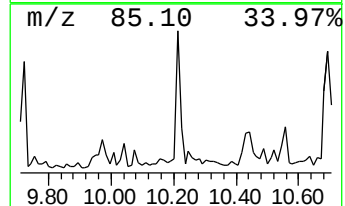
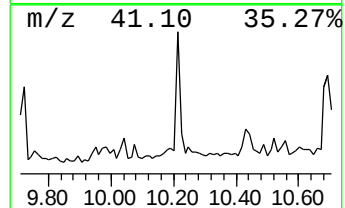
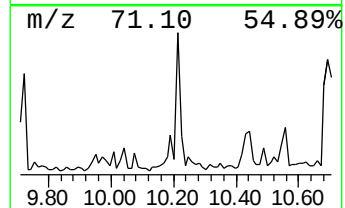
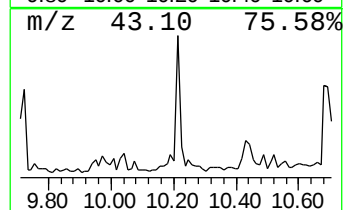
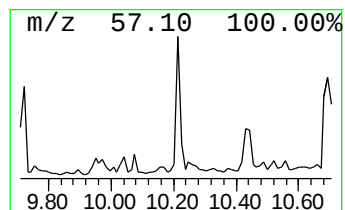
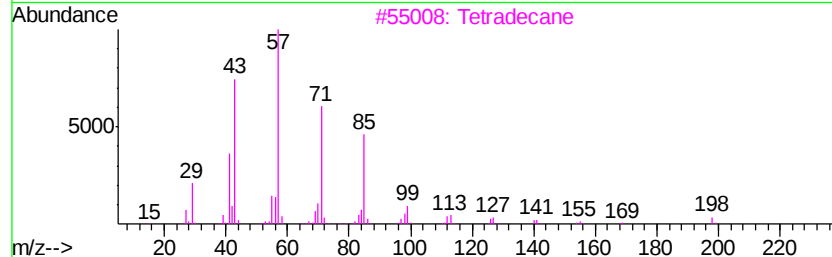
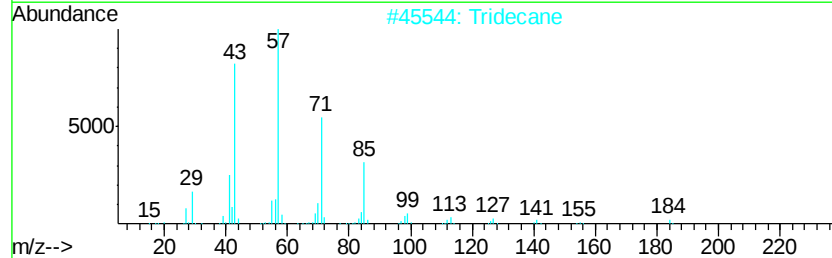
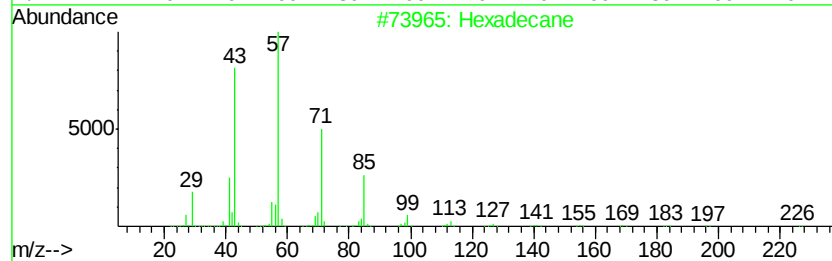
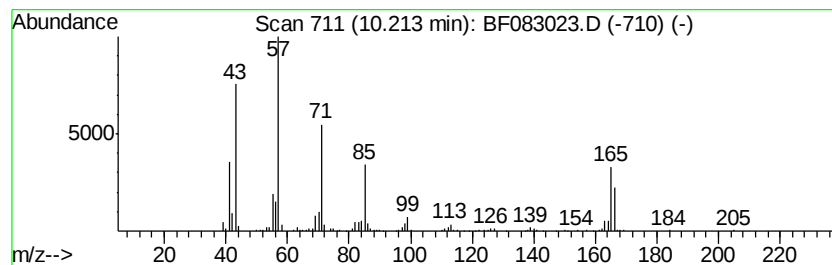
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	5.14 ng	334826	Acenaphthene-d10	9.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	52
2	Tridecane		184	C13H28	000629-50-5	52
3	Tetradecane		198	C14H30	000629-59-4	52
4	Tritetracontane		605	C43H88	007098-21-7	50
5	Decane, 2,4-dimethyl-		170	C12H26	002801-84-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
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Sample : G4412-08
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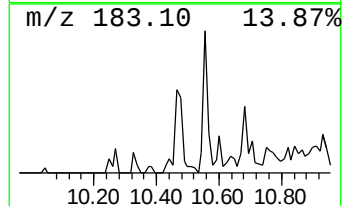
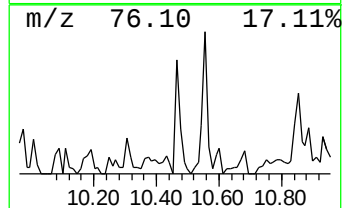
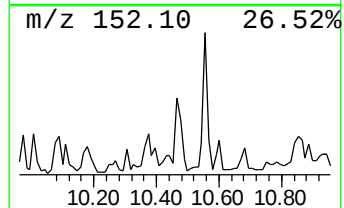
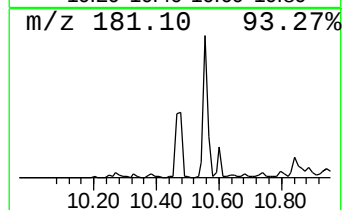
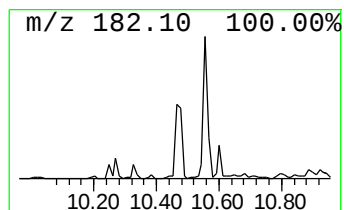
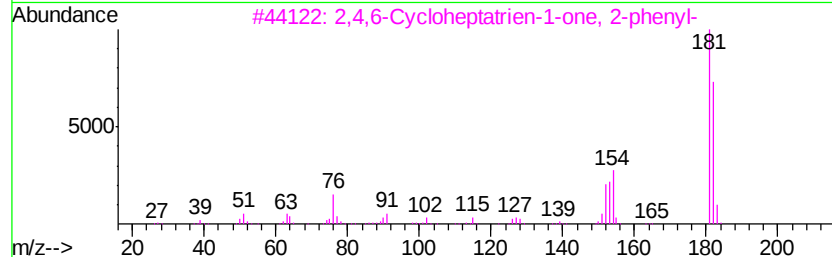
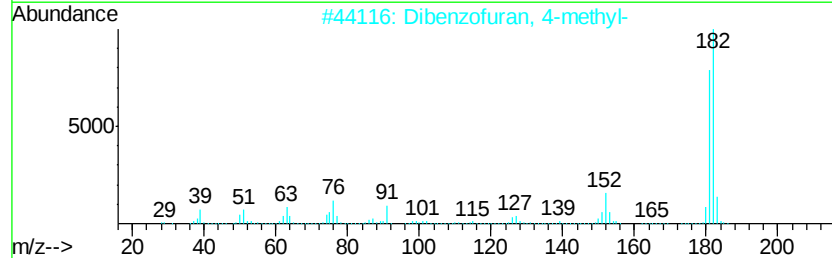
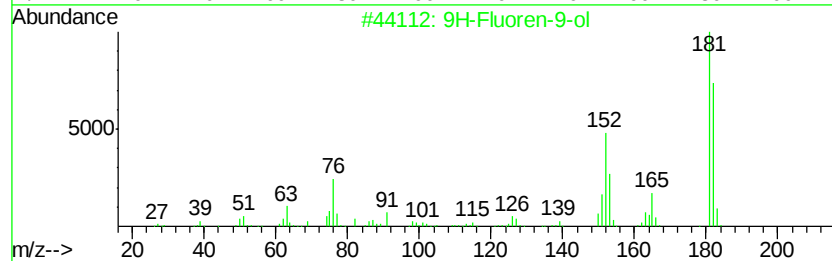
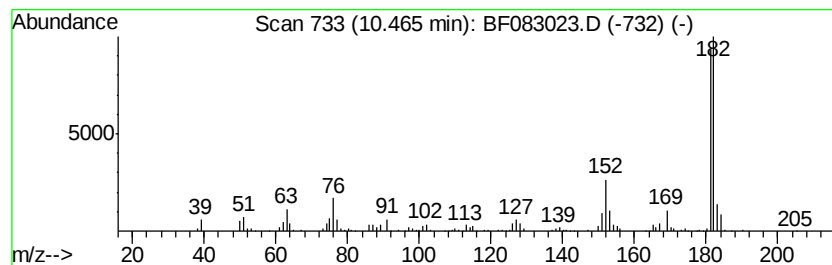
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluoren-9-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	4.23 ng	275343	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4		2-Hydroxyfluorene	182	C13H10O	002443-58-5	68
5		2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
Operator : UM/IZ
Sample : G4412-08
Misc :
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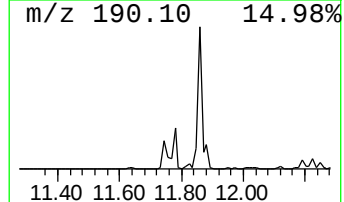
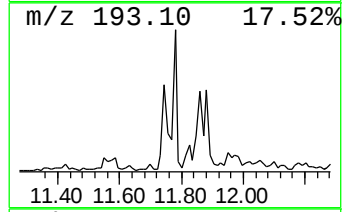
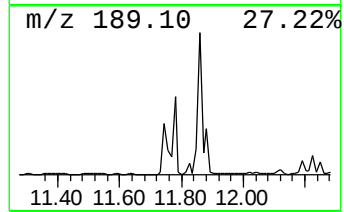
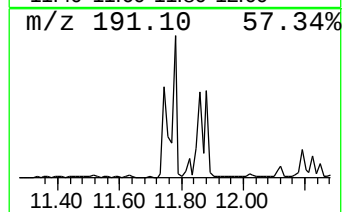
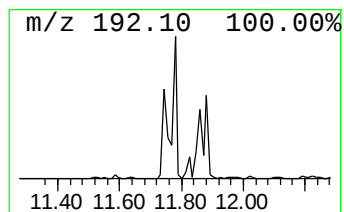
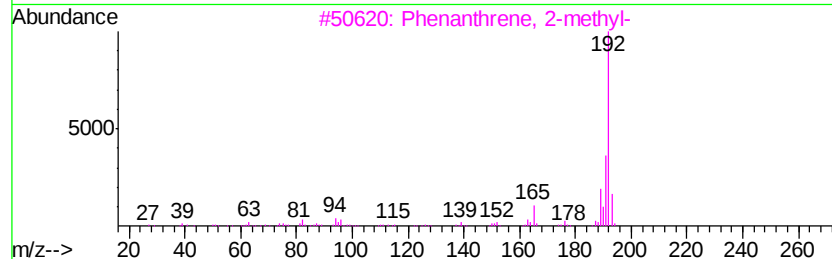
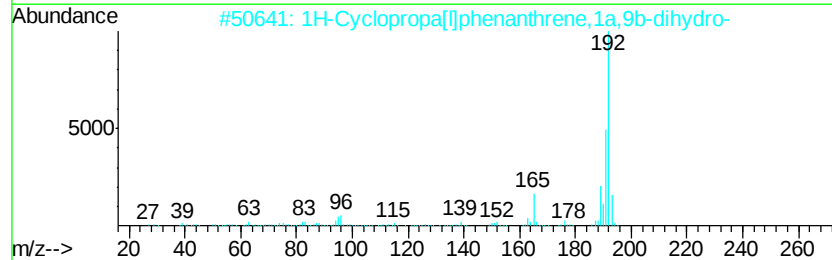
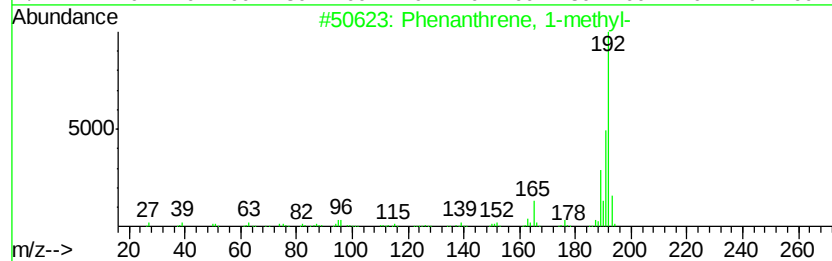
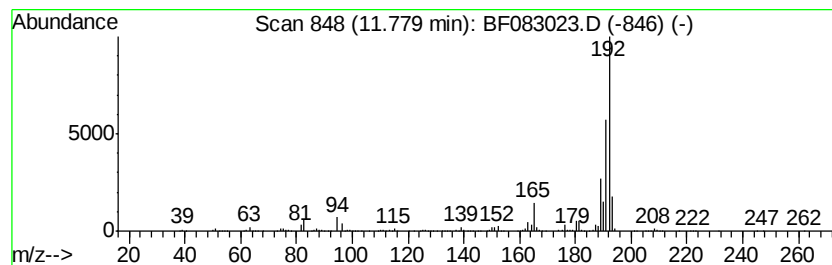
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	4.24 ng	1274560	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5		1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
Operator : UM/IZ
Sample : G4412-08
Misc :
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Instrument :
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ClientSampleId :
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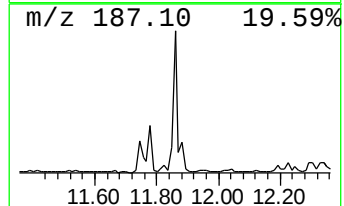
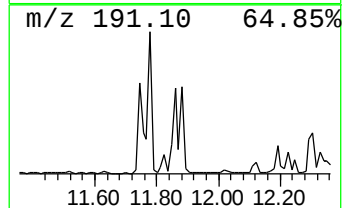
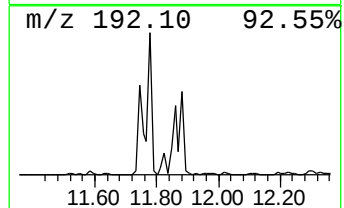
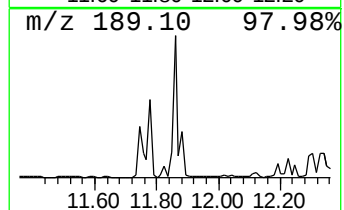
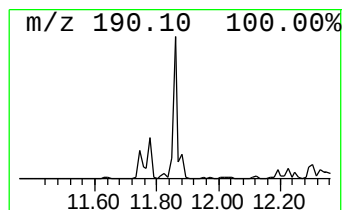
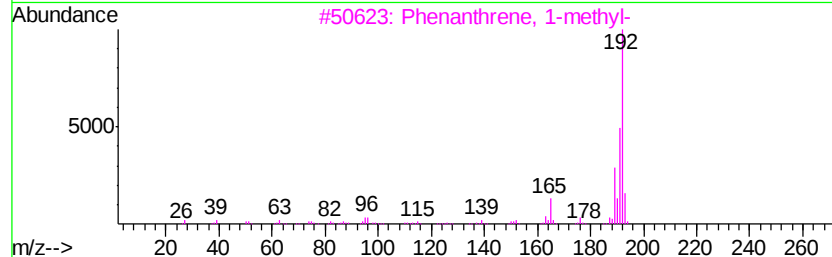
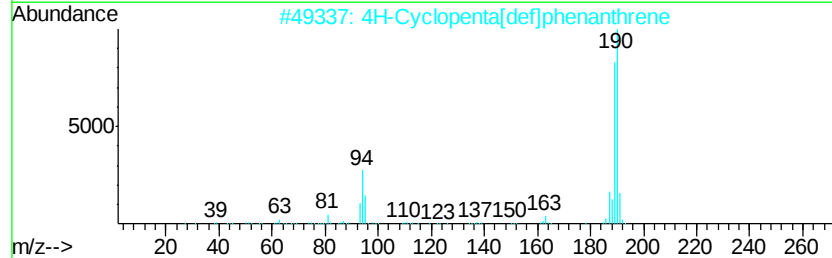
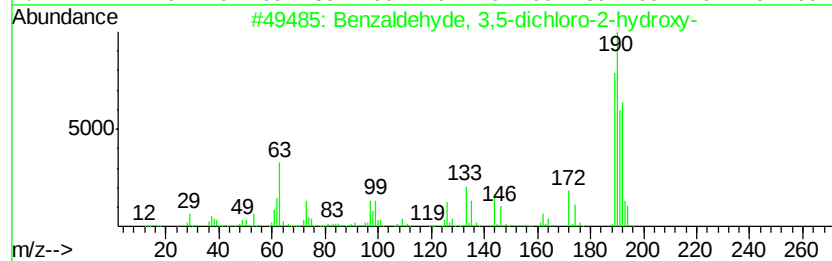
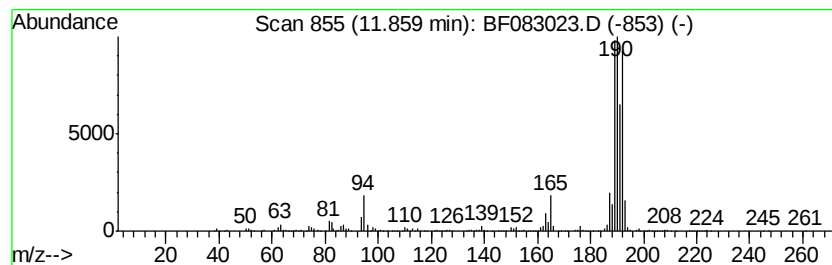
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.29 ng	1891700	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
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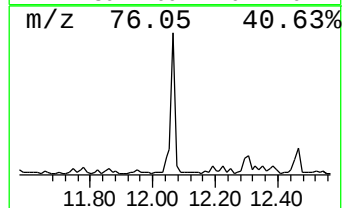
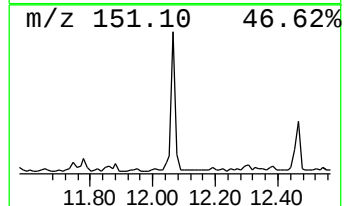
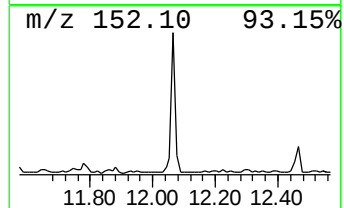
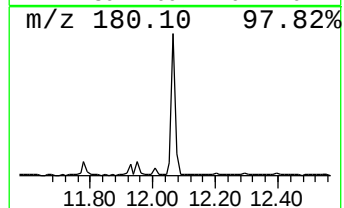
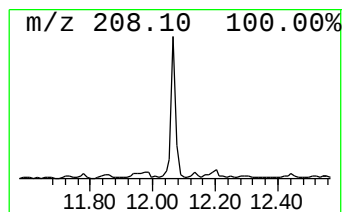
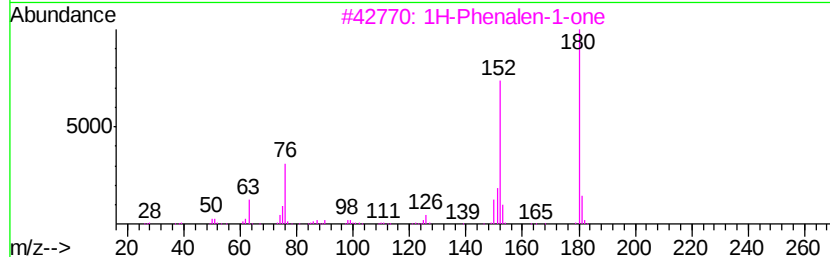
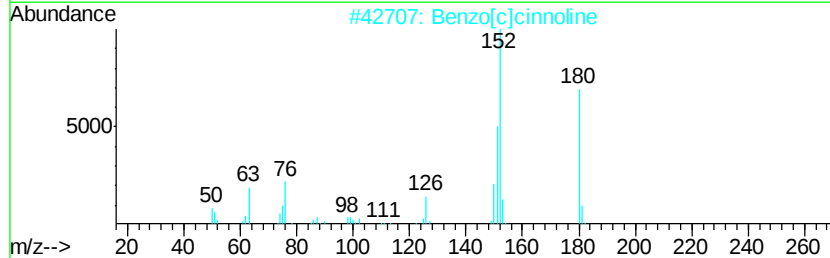
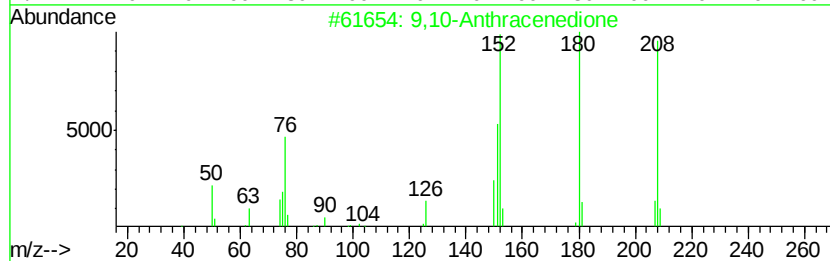
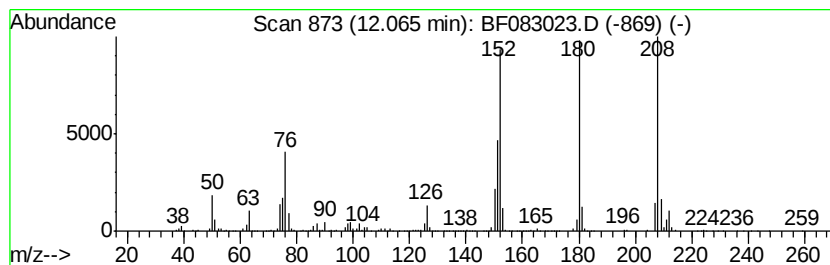
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	5.50 ng	1655090	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49



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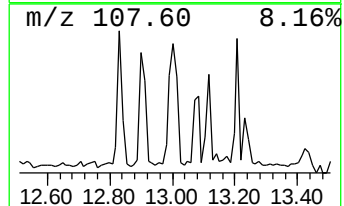
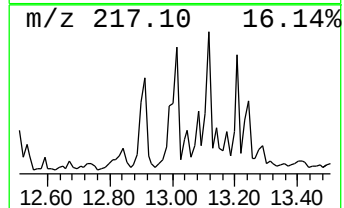
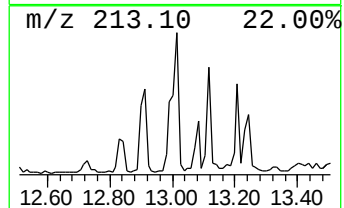
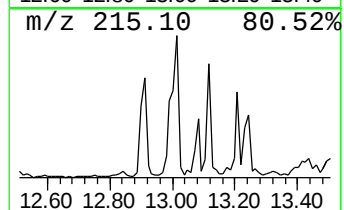
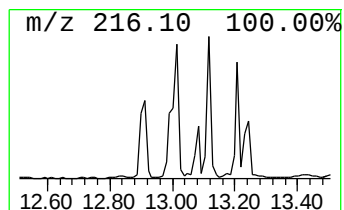
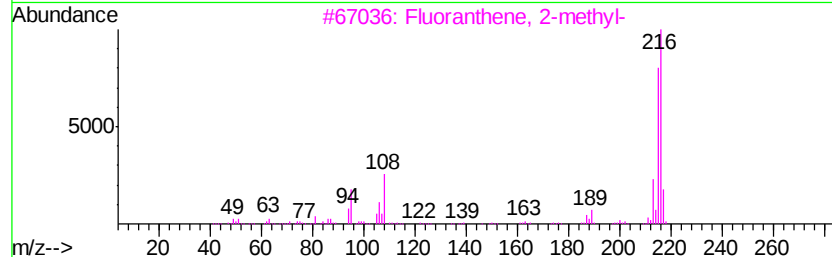
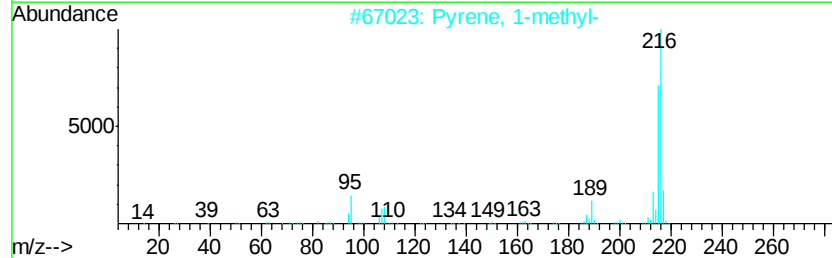
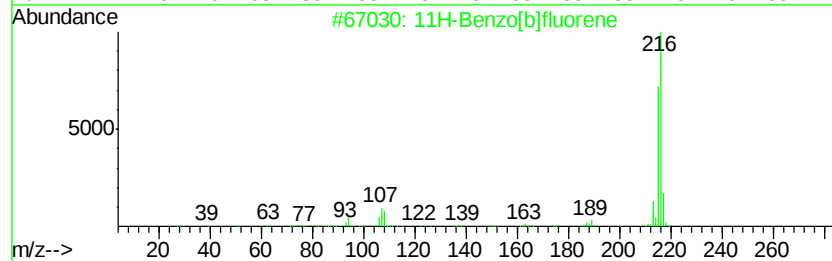
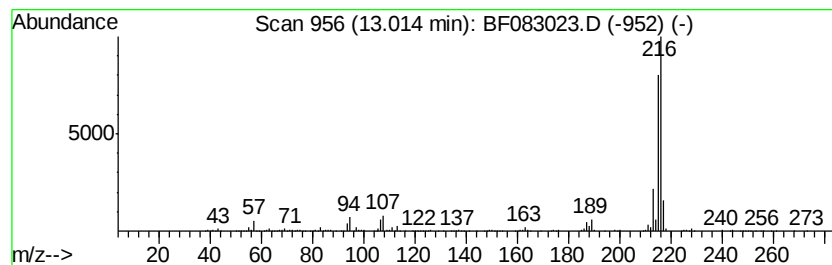
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	6.76 ng	1172760	Chrysene-d12	13.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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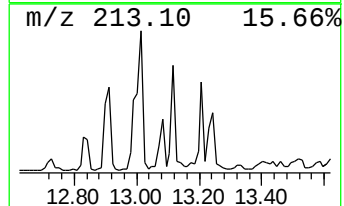
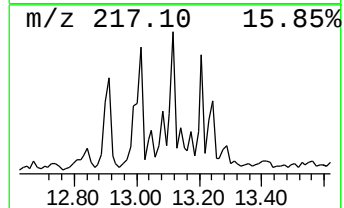
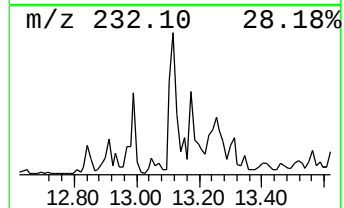
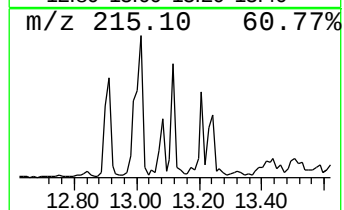
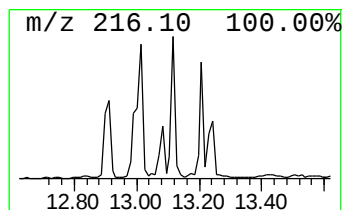
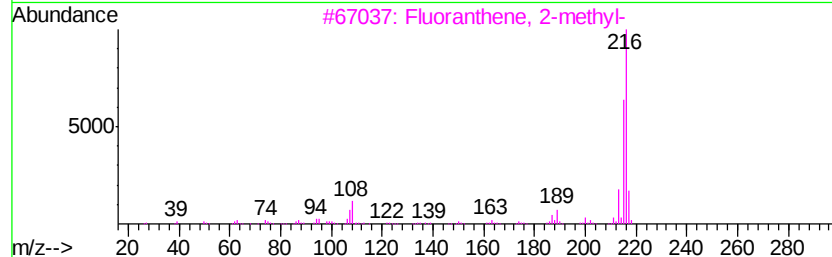
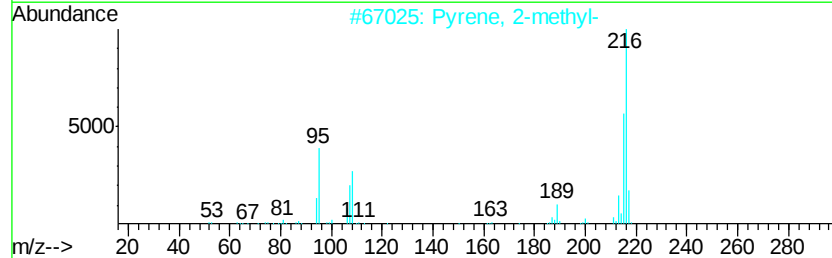
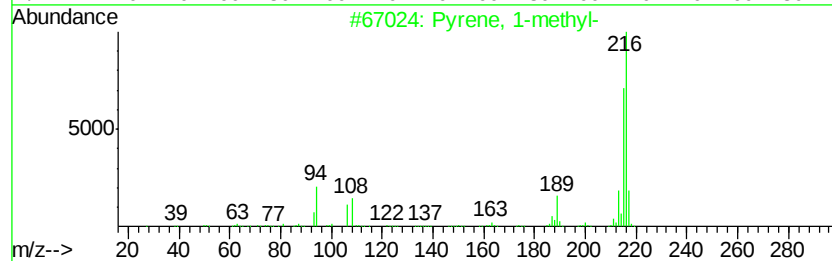
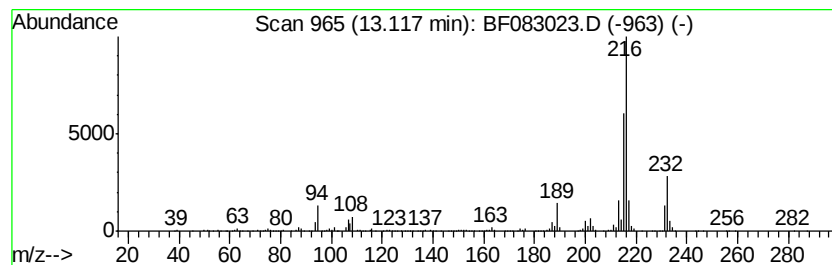
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.92 ng	852593	Chrysene-d12	13.88

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	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
Operator : UM/IZ
Sample : G4412-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-C2

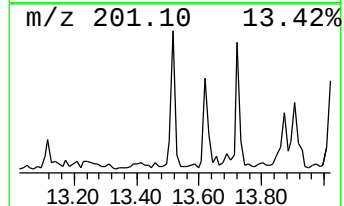
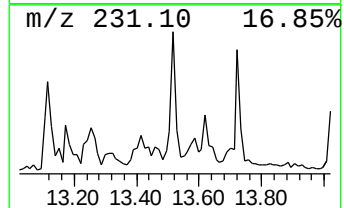
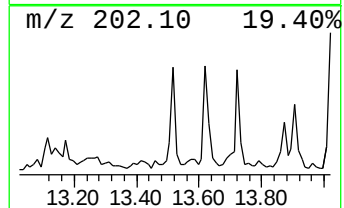
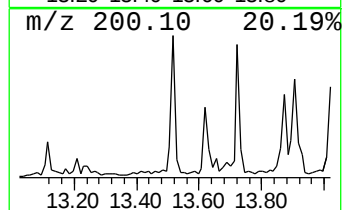
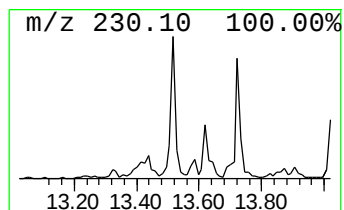
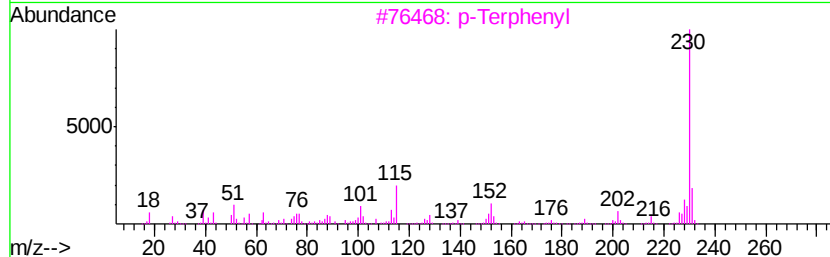
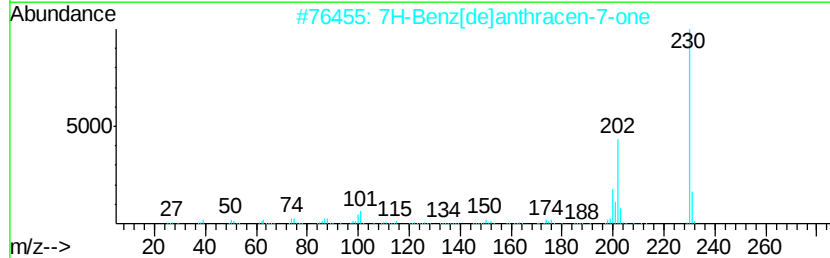
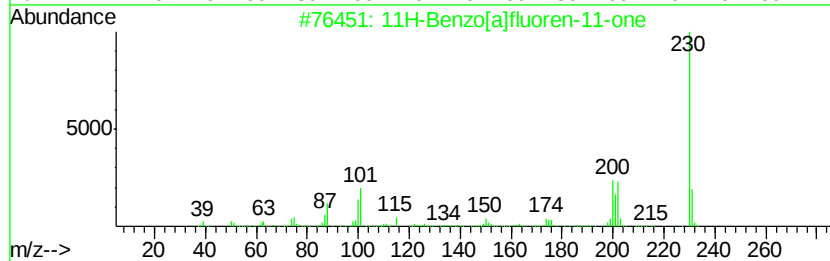
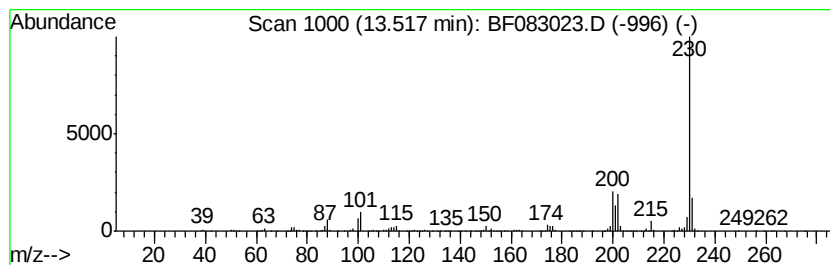
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	5.24 ng	909702	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		p-Terphenyl	230	C18H14	000092-94-4	50
4		Pyrene, 1,9-dimethyl-	230	C18H14	074298-70-7	46
5		Cycloisolongifolene, 8,9-dehydro...	230	C16H22O	059820-24-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Acq On : 18 Nov 2015 22:25
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Sample : G4412-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

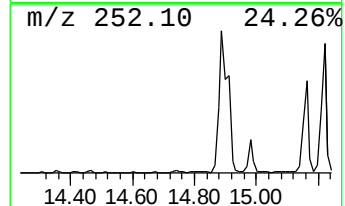
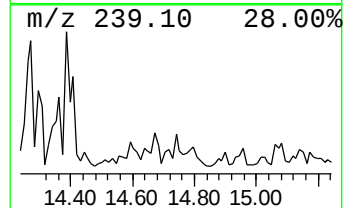
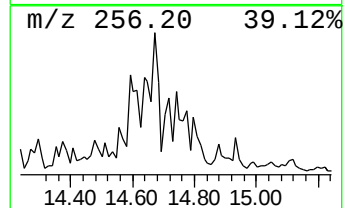
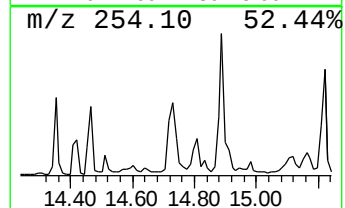
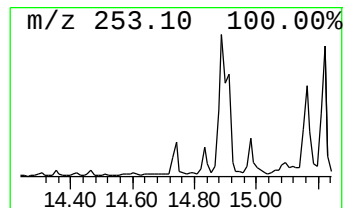
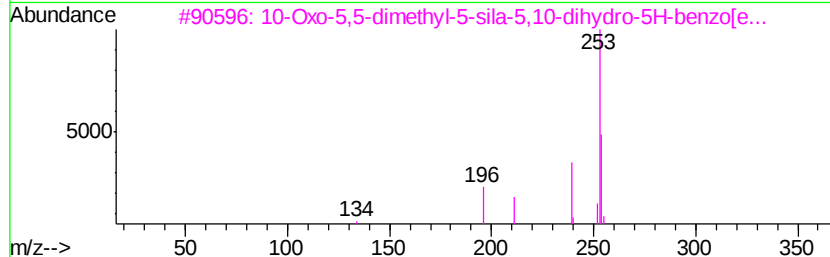
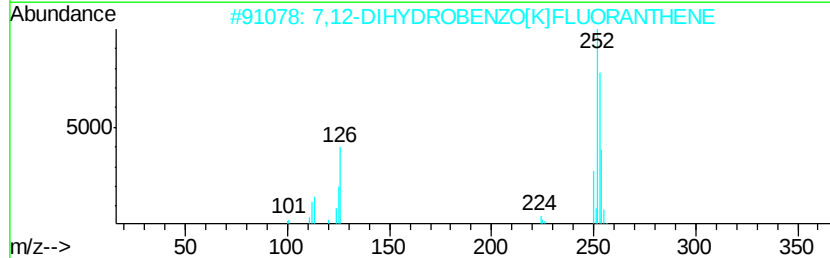
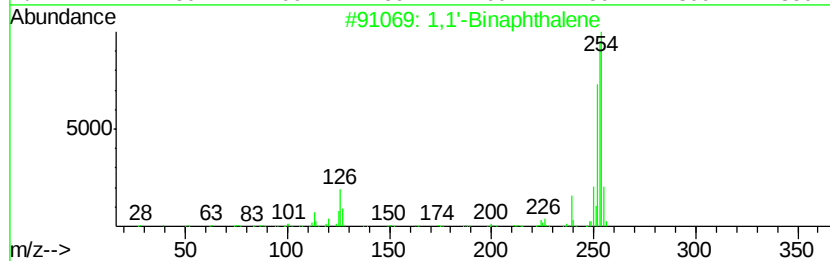
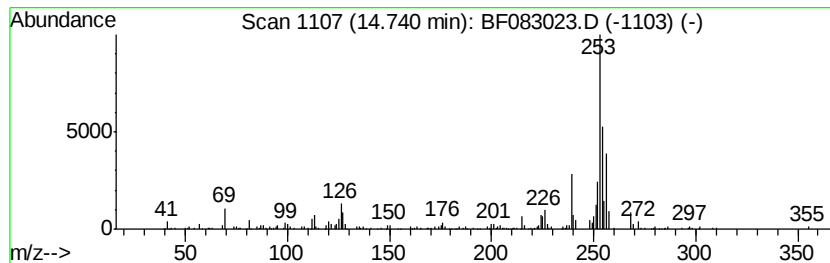
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.74	6.60 ng	408554	Perylene-d12	15.28		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Binaphthalene	254	C20H14	000604-53-5	90
2		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	55
3		10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	50
4		4,6'-Biazulenyl	254	C20H14	094154-49-1	47
5		1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Sample : G4412-08
Misc :
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ClientSampleId :
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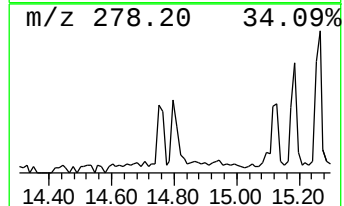
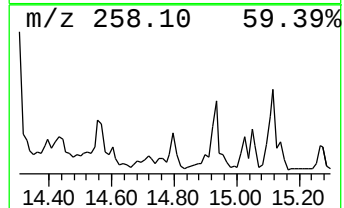
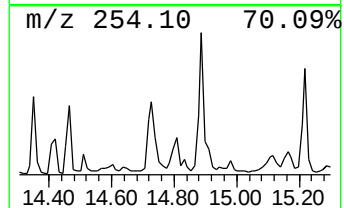
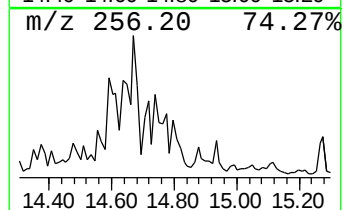
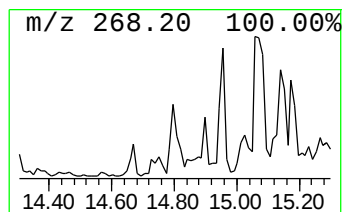
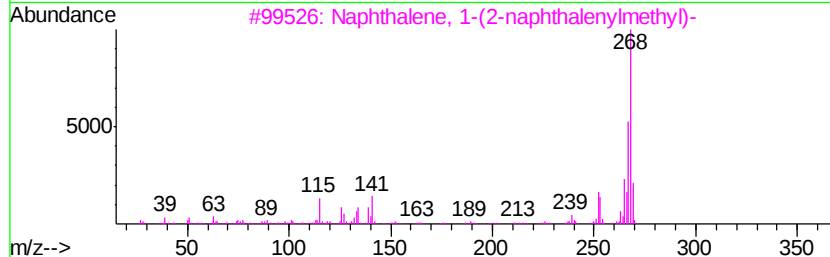
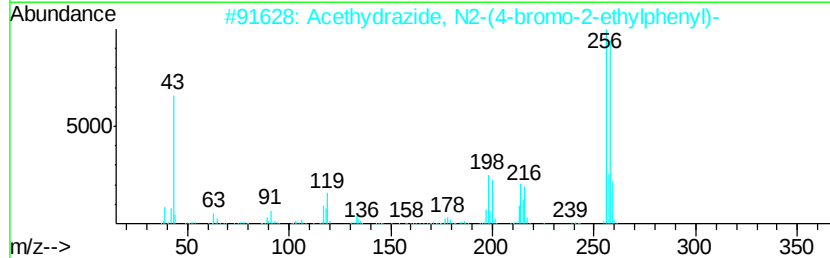
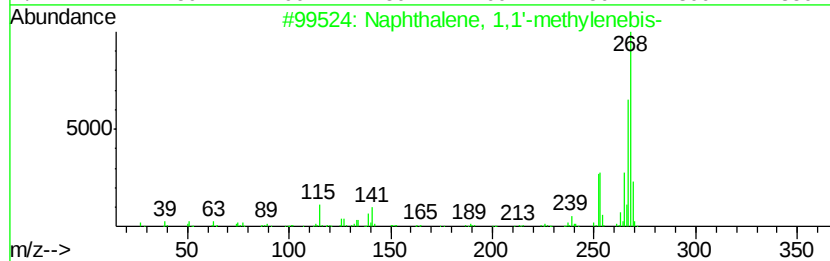
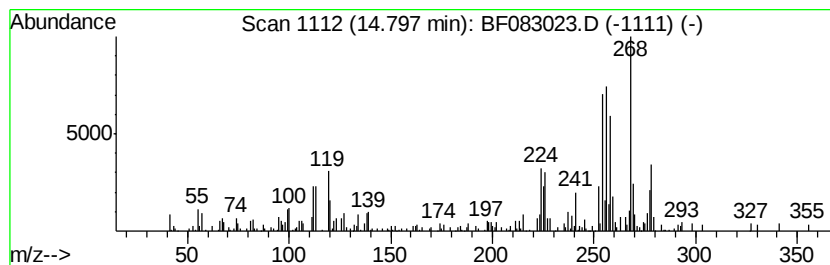
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.80 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	4.05 ng	250876	Perylene-d12	15.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	30
2		Acethydrazide, N2-(4-bromo-2-eth...	256	C10H13BrN2O	1000272-70-7	30
3		Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	25
4		N-(Heptafluorobutyryl)valine pro...	355	C12H16F7NO3	088436-02-6	18
5		1-(6-Methyl-3-pyridyl)-3-(p-nitr...	268	C15H12N2O3	004636-93-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Operator : UM/IZ
Sample : G4412-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

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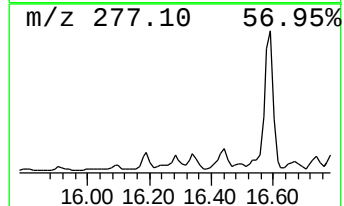
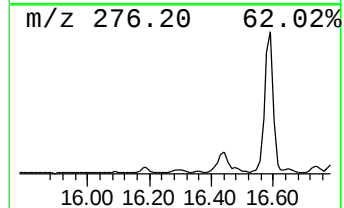
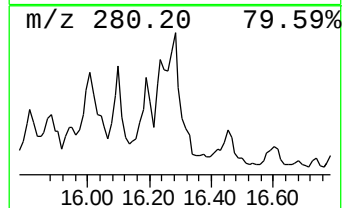
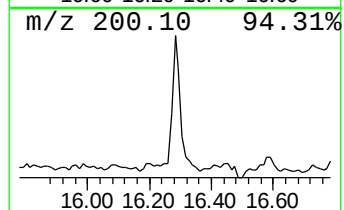
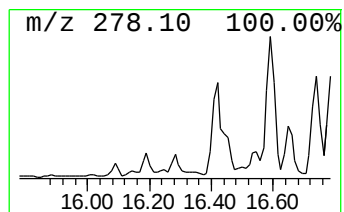
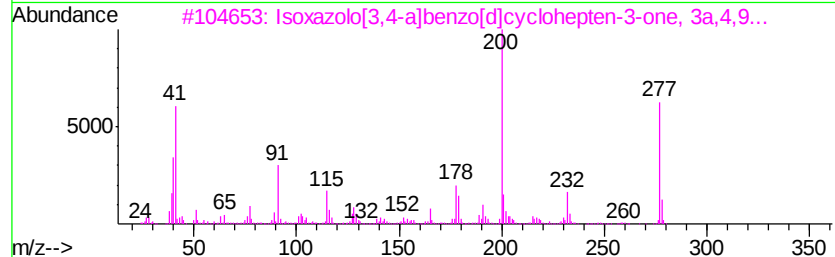
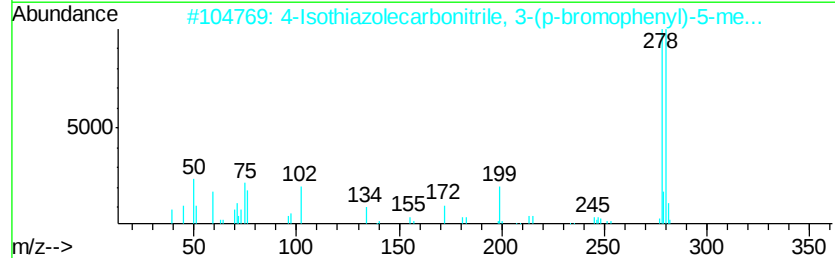
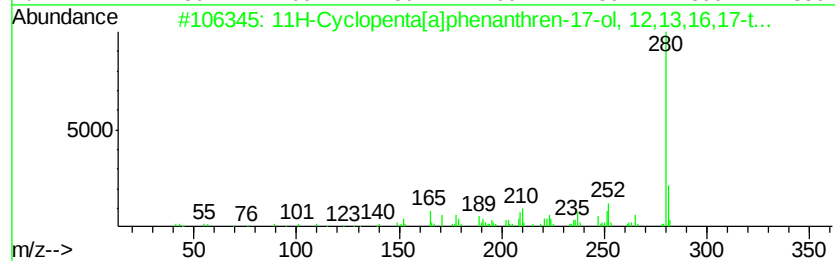
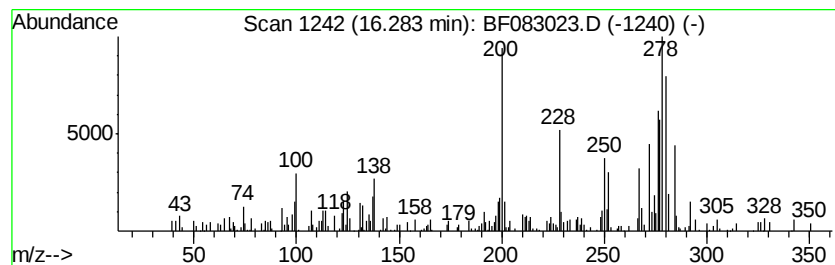
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown16.28 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	6.90 ng	427045	Perylene-d12	15.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Cyclopenta[a]phenanthren-17-...	280	C19H20O2	033760-56-4	25
2		4-Isothiazolecarbonitrile, 3-(p-...	278	C11H7BrN2S	019762-79-9	22
3		Isoxazolo[3,4-a]benzo[d]cyclohep...	277	C18H15N02	112082-80-1	15
4		6(.gamma.-Methylaminopropyl)-5-p...	377	C16H16BrN3OS	1000286-85-6	14
5		1,3-Diamino-7,9-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-58-7	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083023.D
Acq On : 18 Nov 2015 22:25
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Sample : G4412-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

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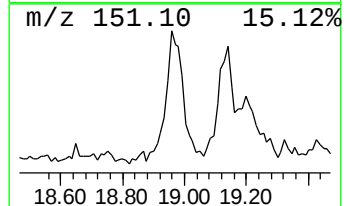
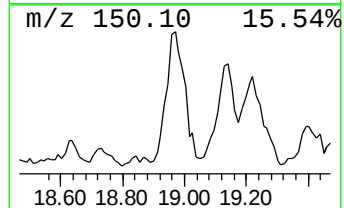
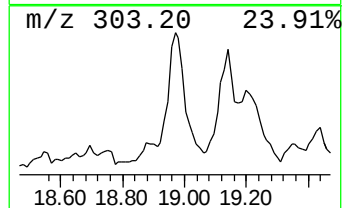
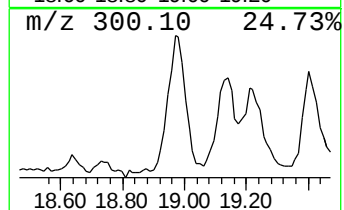
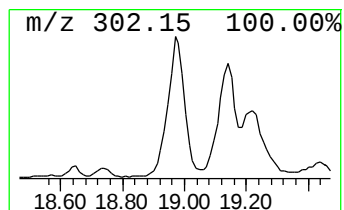
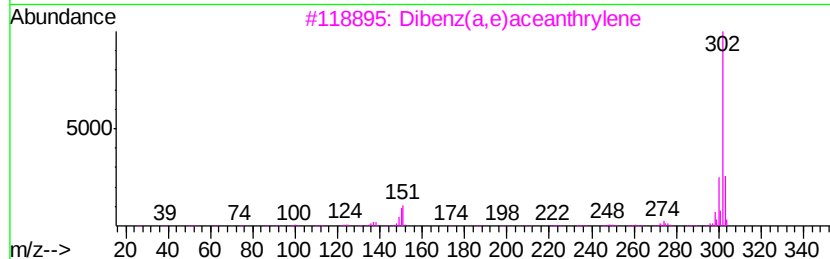
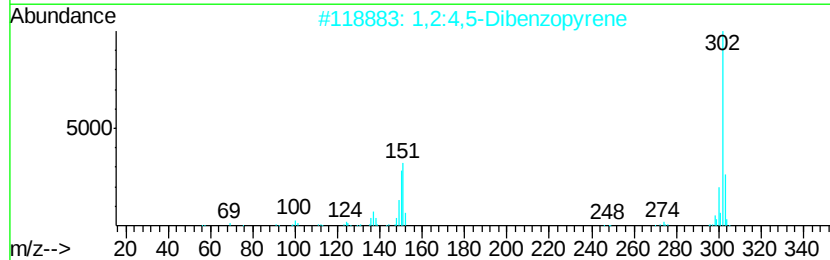
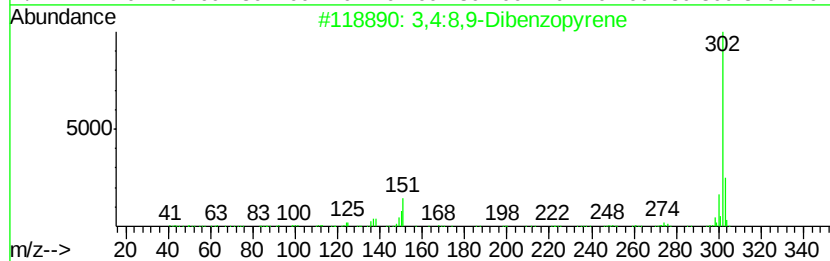
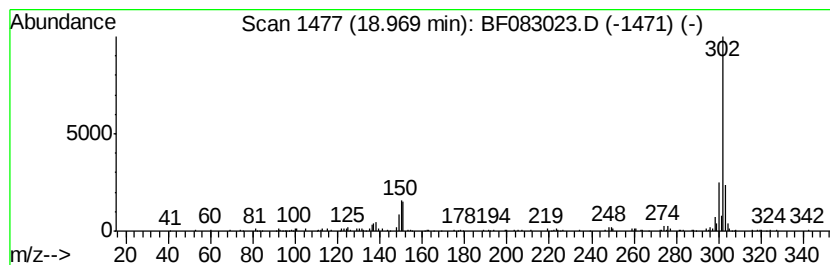
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 3,4:8,9-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	8.38 ng	519097	Perylene-d12	15.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
5		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Acq On : 18 Nov 2015 22:25
Operator : UM/IZ
Sample : G4412-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

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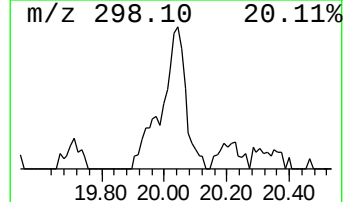
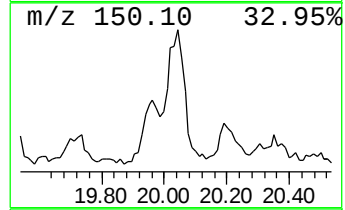
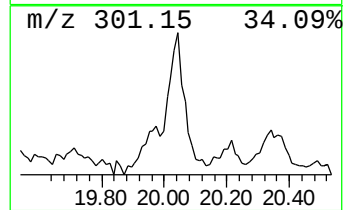
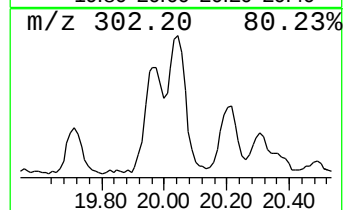
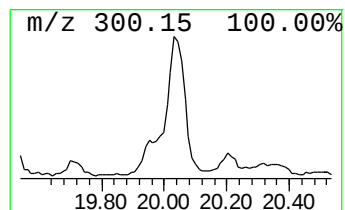
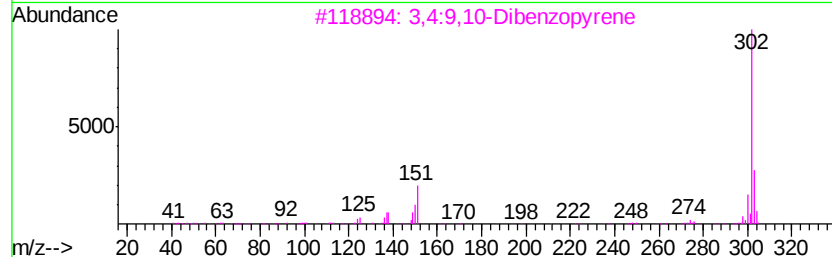
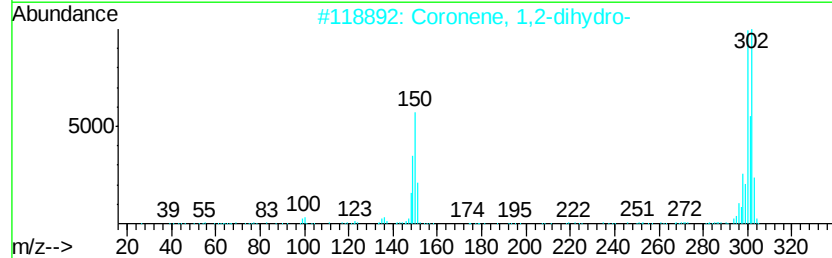
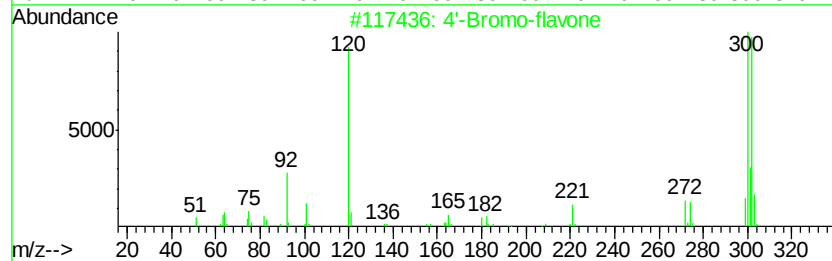
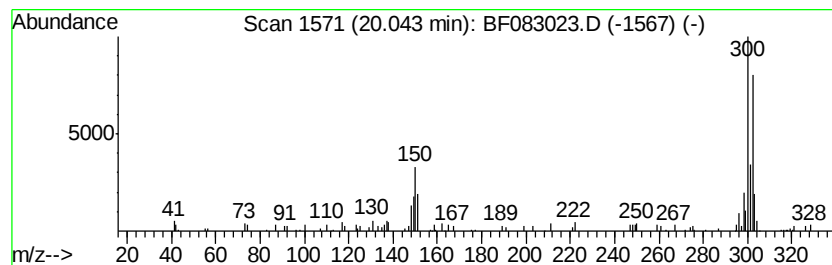
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 4'-Bromo-flavone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	5.45 ng	337612	Perylene-d12	15.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	59
2		Coronene, 1,2-dihydro-	302	C24H14	107716-56-3	50
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	46
4		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	45
5		Coronene	300	C24H12	000191-07-1	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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 Acq On : 18 Nov 2015 22:25
 Operator : UM/IZ
 Sample : G4412-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2

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...	4.89	47.5	ng	2105130	1	6.73	886839	20.0
unknown6.50	6.50	83.7	ng	3711330	1	6.73	886839	20.0
Naphthalene, 2,6-...	9.42	6.2	ng	405931	3	9.77	1303150	20.0
Hexadecane	10.21	5.1	ng	334826	3	9.77	1303150	20.0
9H-Fluoren-9-ol	10.46	4.2	ng	275343	3	9.77	1303150	20.0
Phenanthrene, 1-m...	11.78	4.2	ng	1274560	4	11.25	6017040	20.0
Benzaldehyde, 3,5...	11.86	6.3	ng	1891700	4	11.25	6017040	20.0
9,10-Anthracenedione	12.07	5.5	ng	1655090	4	11.25	6017040	20.0
11H-Benzo[b]fluorene	13.01	6.8	ng	1172760	5	13.88	3468900	20.0
Pyrene, 1-methyl-	13.12	4.9	ng	852593	5	13.88	3468900	20.0
11H-Benzo[a]fluor...	13.52	5.2	ng	909702	5	13.88	3468900	20.0
1,1'-Binaphthalene	14.74	6.6	ng	408554	6	15.28	1238430	20.0
unknown14.80	14.80	4.0	ng	250876	6	15.28	1238430	20.0
unknown16.28	16.28	6.9	ng	427045	6	15.28	1238430	20.0
3,4:8,9-Dibenzopy...	18.97	8.4	ng	519097	6	15.28	1238430	20.0
4'-Bromo-flavone	20.04	5.5	ng	337612	6	15.28	1238430	20.0