

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
 Data File : BF083298.D
 Acq On : 26 Nov 2015 3:12
 Operator : UM/IZ
 Sample : G4436-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-1350

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-BF112115.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	4.719	236	239	248	rVB	1762107	2907804	17.33%	1.255%
2	5.199	278	281	287	rBV	4405500	4724127	28.16%	2.038%
3	6.273	372	375	377	rBV	4684229	4881454	29.10%	2.106%
4	6.376	381	384	386	rVV	3529901	4655789	27.75%	2.009%
5	6.593	401	403	405	rBV	1160433	1034284	6.17%	0.446%
6	6.753	414	417	419	rBV	3365253	3622261	21.59%	1.563%
7	7.164	450	453	455	rBV	3115738	3056792	18.22%	1.319%
8	7.885	513	516	520	rBV2	1137241	1593535	9.50%	0.688%
9	8.959	608	610	613	rVB	3683869	3963770	23.63%	1.710%
10	9.290	637	639	641	rBV	299065	401372	2.39%	0.173%
11	9.359	643	645	648	rVV	926604	1079565	6.43%	0.466%
12	9.496	654	657	659	rVB	1088075	1469409	8.76%	0.634%
13	9.633	666	669	670	rBV	1127433	1282651	7.65%	0.553%
14	9.656	670	671	674	rVV	698516	797610	4.75%	0.344%
15	9.839	684	687	688	rVV	441126	587245	3.50%	0.253%
16	9.942	694	696	698	rBV	218749	333494	1.99%	0.144%
17	10.033	702	704	707	rBV4	159179	361965	2.16%	0.156%
18	10.079	707	708	710	rVB	383592	306661	1.83%	0.132%
19	10.170	715	716	719	rVV	884506	981497	5.85%	0.423%
20	10.239	719	722	723	rVV	255501	345562	2.06%	0.149%
21	10.285	725	726	729	rVV3	205076	409550	2.44%	0.177%
22	10.331	729	730	733	rVV2	369722	505867	3.02%	0.218%
23	10.422	735	738	740	rVV	2516907	2851432	17.00%	1.230%
24	10.548	747	749	752	rVB3	358592	604386	3.60%	0.261%
25	10.719	762	764	765	rBV	378140	510309	3.04%	0.220%
26	10.868	773	777	780	rBV3	331287	875513	5.22%	0.378%
27	10.913	780	781	784	rVB	597331	619557	3.69%	0.267%
28	10.971	784	786	787	rBV	300929	434068	2.59%	0.187%
29	11.005	787	789	790	rBV	640988	704405	4.20%	0.304%
30	11.142	795	801	803	rBV2	8039092	10623235	63.32%	4.583%
31	11.188	803	805	806	rVB	3009407	2578560	15.37%	1.112%
32	11.222	806	808	809	rVB	402090	352466	2.10%	0.152%
33	11.348	815	819	820	rBV2	1309854	1451075	8.65%	0.626%
34	11.439	825	827	830	rVB3	464744	624698	3.72%	0.270%

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Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.519	832	834	836	rVB2	337150	393986	2.35%	0.170%
36	11.611	839	842	843	rBV	2126575	2064243	12.30%	0.891%
37	11.645	843	845	846	rVV	1678087	2332990	13.91%	1.007%
38	11.679	846	848	850	rVB2	1238948	1853628	11.05%	0.800%
39	11.725	850	852	856	rVB2	2864190	5077047	30.26%	2.190%
40	11.794	857	858	859	rBV	284760	309251	1.84%	0.133%
41	11.839	859	862	864	rVB4	330255	498339	2.97%	0.215%
42	11.908	864	868	869	rBV	1264595	1663146	9.91%	0.718%
43	11.931	869	870	873	rVB	1308128	1625576	9.69%	0.701%
44	12.056	878	881	882	rBV2	550782	865201	5.16%	0.373%
45	12.079	882	883	888	rVB2	566203	1387119	8.27%	0.598%
46	12.159	888	890	892	rBV	1857912	2513493	14.98%	1.084%
47	12.194	892	893	896	rVV	1072253	1426182	8.50%	0.615%
48	12.251	896	898	901	rVB	1316199	1854543	11.05%	0.800%
49	12.342	901	906	907	rBV	9125994	16516637	98.45%	7.126%
50	12.376	907	909	914	rVV3	1859252	4410295	26.29%	1.903%
51	12.468	914	917	919	rVV2	1393286	2295493	13.68%	0.990%
52	12.559	921	925	927	rVV2	8110597	16776520	100.00%	7.238%
53	12.594	927	928	932	rVB2	683174	1193638	7.11%	0.515%
54	12.662	932	934	935	rBV	859093	1113976	6.64%	0.481%
55	12.696	935	937	940	rVB2	3557862	4466693	26.62%	1.927%
56	12.765	940	943	947	rBV3	1663016	3538633	21.09%	1.527%
57	12.879	948	953	955	rVB2	2812774	4955264	29.54%	2.138%
58	12.948	955	959	960	rBV	1250277	2139080	12.75%	0.923%
59	12.982	960	962	966	rBV	2420916	3000065	17.88%	1.294%
60	13.074	968	970	971	rVV	1396159	1329017	7.92%	0.573%
61	13.096	971	972	974	rVB	1101310	1238396	7.38%	0.534%
62	13.257	984	986	987	rBV2	313784	607976	3.62%	0.262%
63	13.279	987	988	993	rVV4	590764	1454205	8.67%	0.627%
64	13.382	993	997	1001	rVV2	1624097	2836426	16.91%	1.224%
65	13.439	1001	1002	1004	rVB	305971	343022	2.04%	0.148%
66	13.497	1004	1007	1008	rBV	1640952	2980471	17.77%	1.286%
67	13.542	1010	1011	1014	rVV2	1493707	2190734	13.06%	0.945%
68	13.599	1014	1016	1020	rVV2	1750137	2156342	12.85%	0.930%
69	13.657	1020	1021	1023	rVB	440165	389608	2.32%	0.168%
70	13.748	1025	1029	1030	rBV	5698337	10998806	65.56%	4.745%
71	13.782	1030	1032	1035	rVB	5972606	8214292	48.96%	3.544%

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72	13.851	1035	1038	1039	rBV2	1059663	1204187	7.18%	0.520%
73	13.885	1039	1041	1045	rVV3	502886	1382367	8.24%	0.596%
74	13.977	1048	1049	1050	rVB	575921	403391	2.40%	0.174%
75	14.057	1055	1056	1058	rVV2	382196	484175	2.89%	0.209%
76	14.091	1058	1059	1060	rVV	802827	793073	4.73%	0.342%
77	14.125	1060	1062	1064	rVV	1621947	2846368	16.97%	1.228%
78	14.159	1064	1065	1067	rVV	1194752	1507147	8.98%	0.650%
79	14.217	1067	1070	1072	rVV3	830724	1899031	11.32%	0.819%
80	14.251	1072	1073	1077	rVV2	1243709	2244392	13.38%	0.968%
81	14.319	1077	1079	1082	rVB2	570949	812830	4.85%	0.351%
82	14.434	1087	1089	1091	rBV2	552145	982077	5.85%	0.424%
83	14.502	1094	1095	1096	rBV	280859	340421	2.03%	0.147%
84	14.594	1101	1103	1107	rBV2	570724	838159	5.00%	0.362%
85	14.754	1113	1117	1121	rBV	4624334	10873666	64.81%	4.691%
86	14.834	1121	1124	1126	rVB	1318040	1476119	8.80%	0.637%
87	14.925	1128	1132	1133	rBV2	266579	650232	3.88%	0.281%
88	15.005	1136	1139	1141	rVV	2597310	3936265	23.46%	1.698%
89	15.062	1141	1144	1146	rVB	3704242	4894363	29.17%	2.112%
90	15.108	1146	1148	1149	rBV	586834	838627	5.00%	0.362%
91	15.131	1149	1150	1153	rVB2	1218126	1540357	9.18%	0.665%
92	15.474	1177	1180	1182	rBV	208659	417078	2.49%	0.180%
93	15.577	1187	1189	1191	rVB	263870	338573	2.02%	0.146%
94	16.183	1239	1242	1250	rVB3	288743	1280811	7.63%	0.553%
95	16.354	1252	1257	1260	rBV	1650392	3395272	20.24%	1.465%
96	16.480	1265	1268	1270	rBV	376544	771090	4.60%	0.333%
97	16.537	1270	1273	1275	rVB2	260397	428276	2.55%	0.185%
98	16.720	1285	1289	1294	rVB	1167931	2641932	15.75%	1.140%
99	16.914	1303	1306	1312	rVB2	329091	799520	4.77%	0.345%
100	18.583	1447	1452	1457	rVB	378266	1223610	7.29%	0.528%

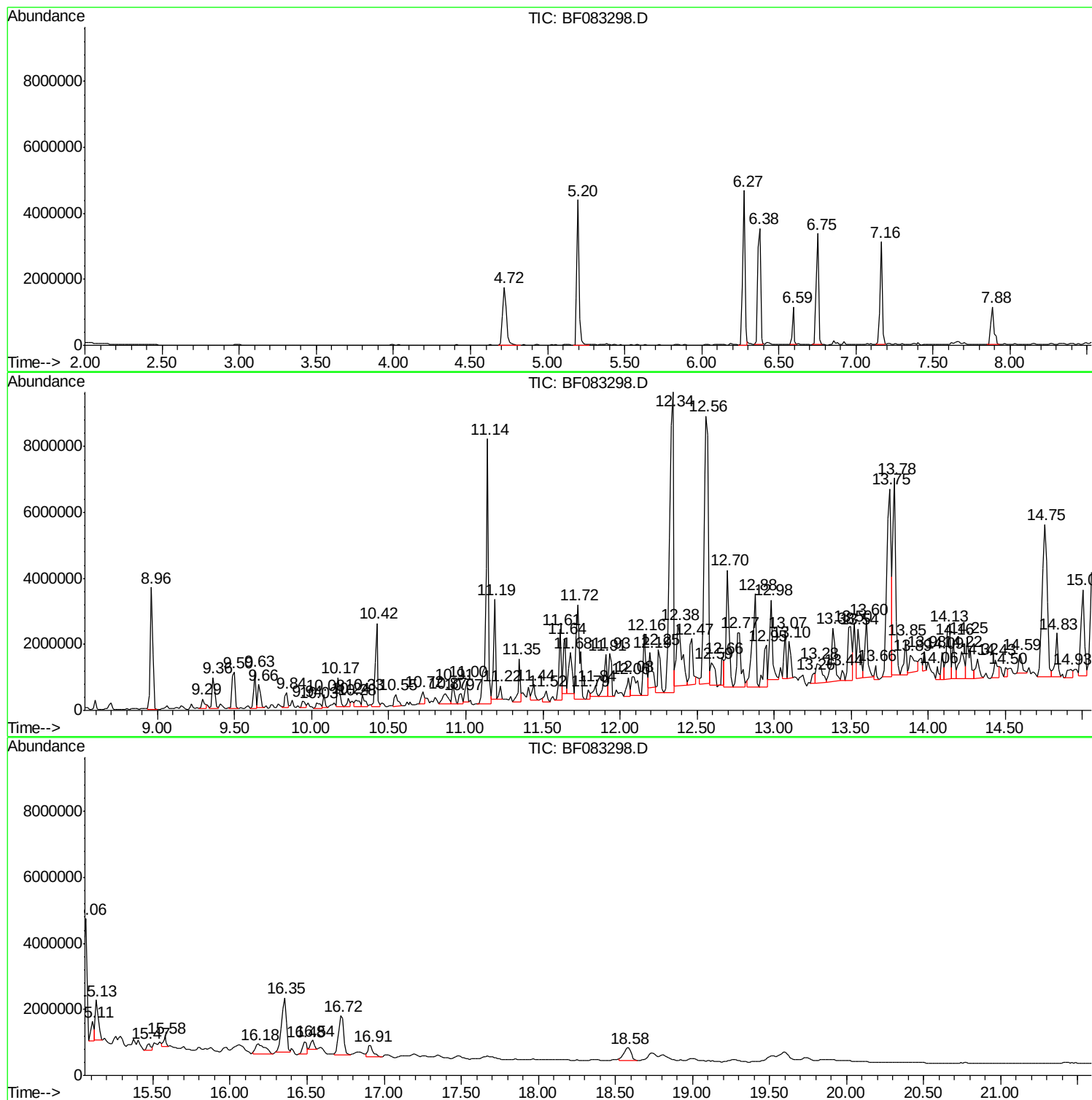
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Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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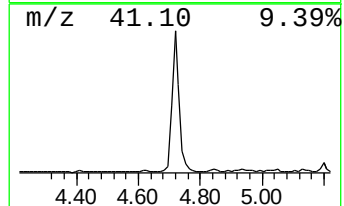
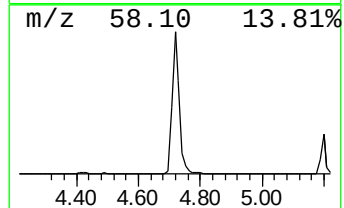
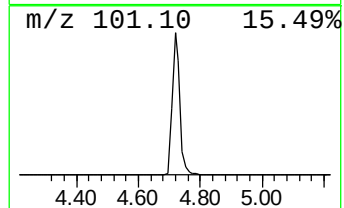
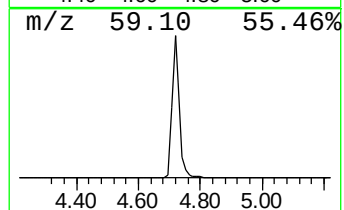
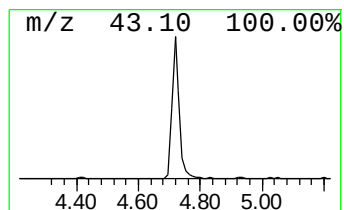
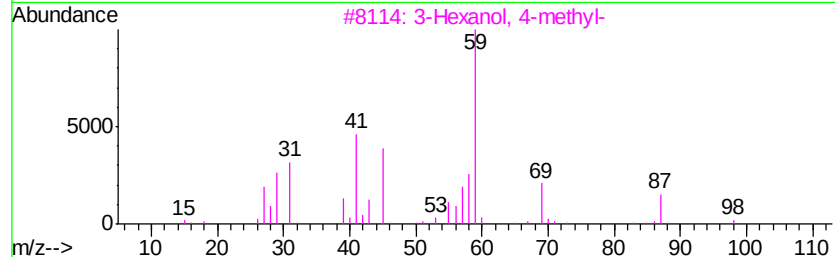
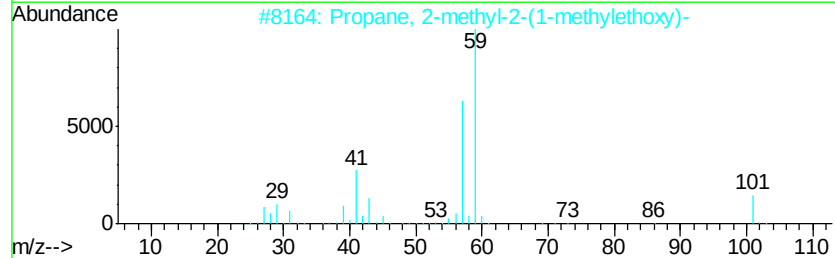
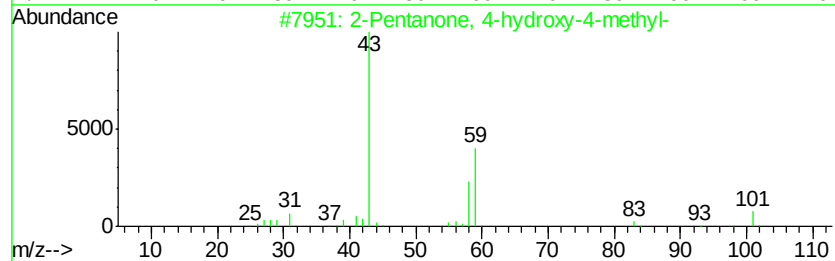
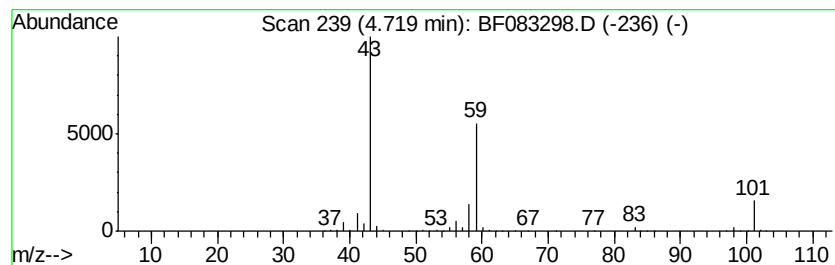
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	56.23 ng	2907800	1,4-Dichlorobenzene-d4	6.59

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	36
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	32



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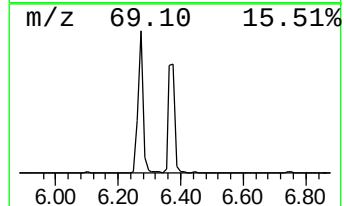
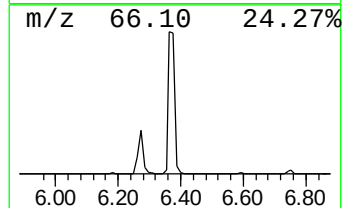
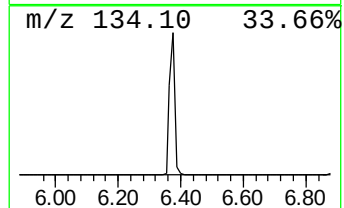
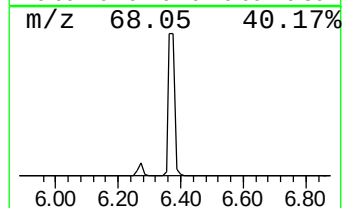
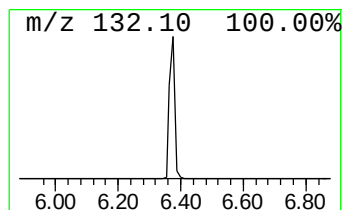
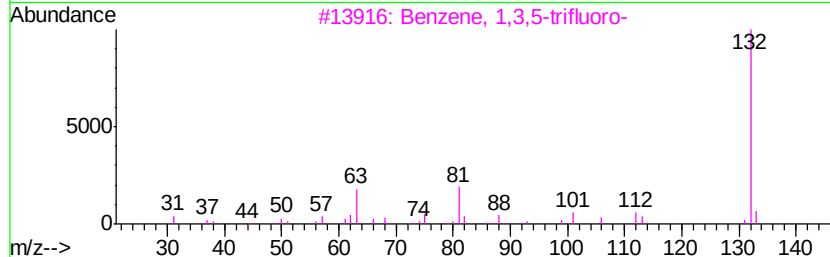
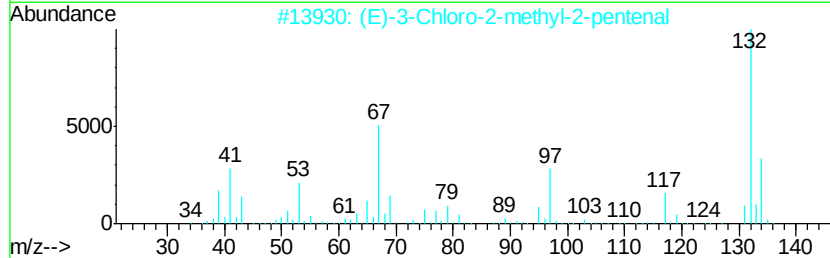
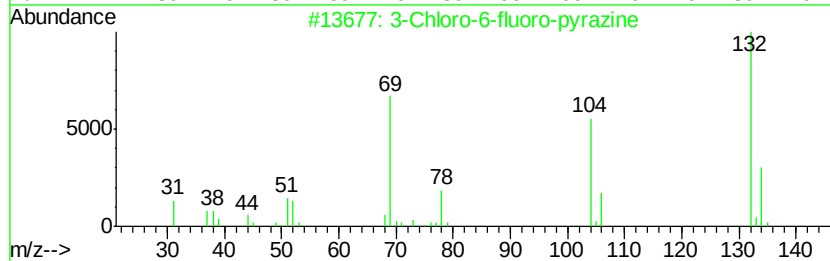
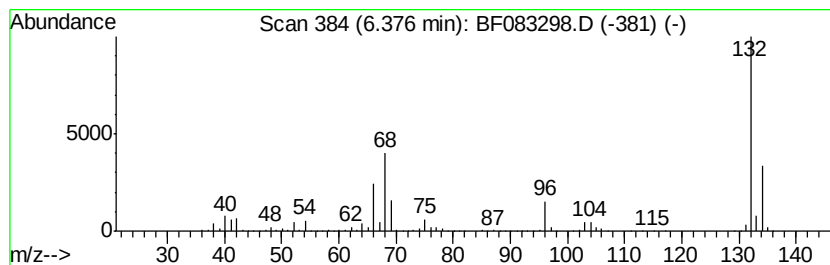
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.38 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	90.03 ng	4655790	1,4-Dichlorobenzene-d4	6.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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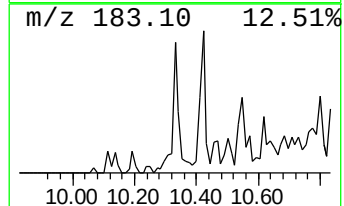
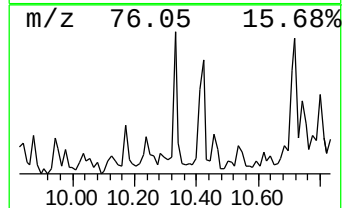
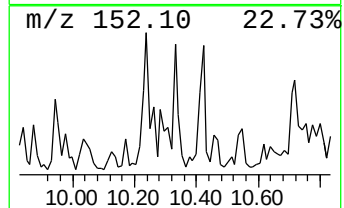
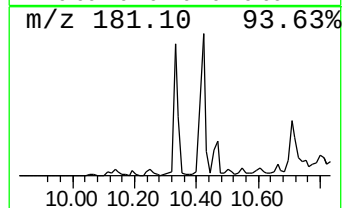
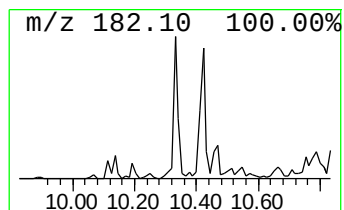
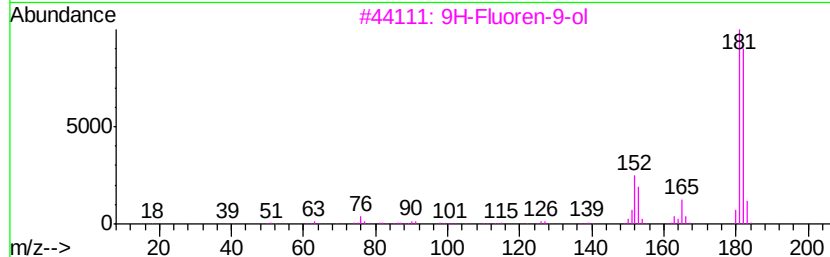
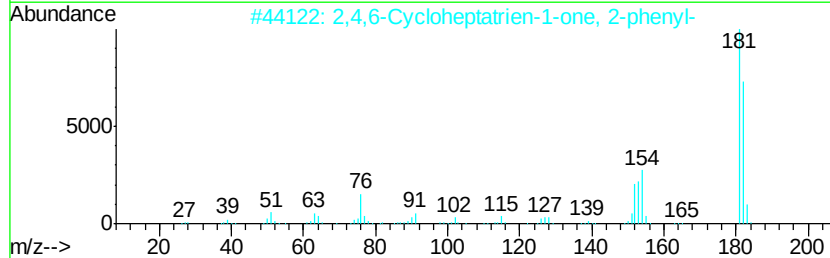
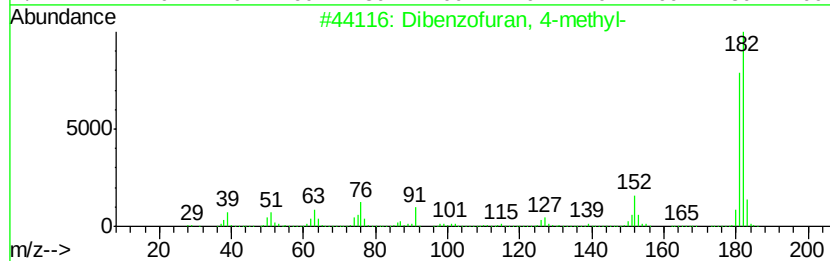
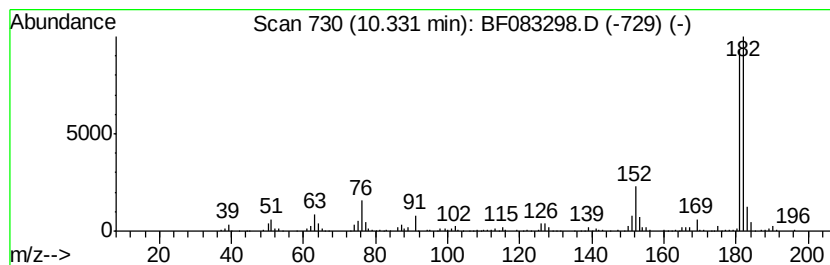
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.33	7.89 ng	505867	Acenaphthene-d10	9.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	68



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Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
Operator : UM/IZ
Sample : G4436-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-1350

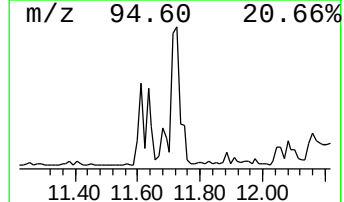
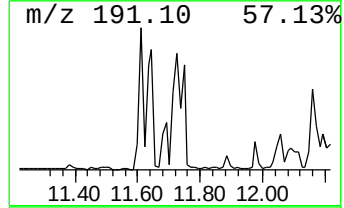
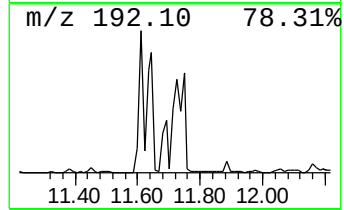
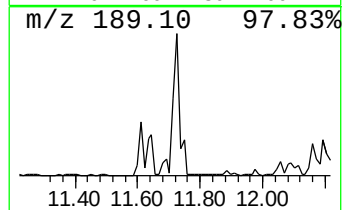
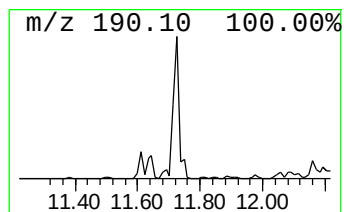
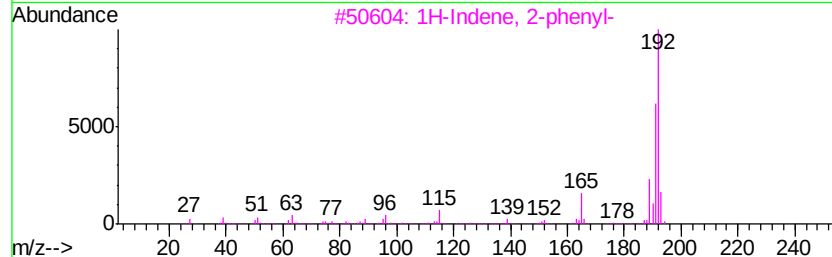
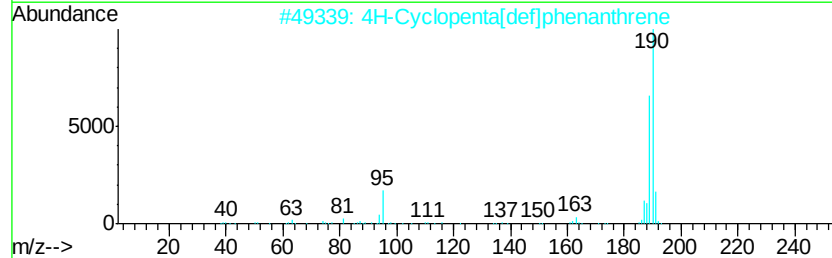
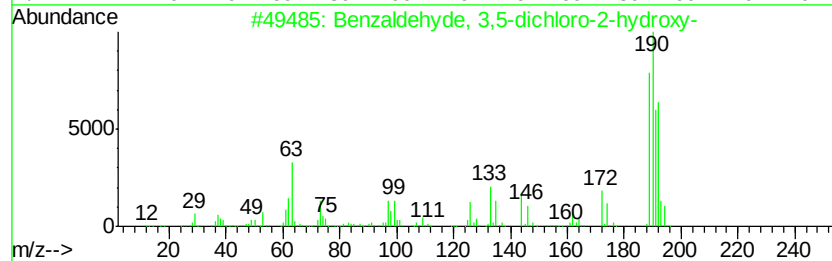
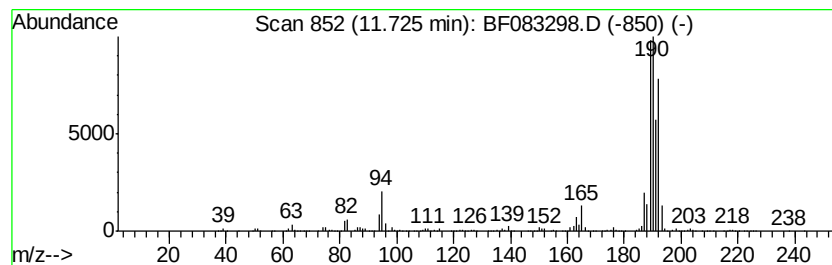
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	9.56 ng	5077050	Phenanthrene-d10	11.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyd, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
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Sample : G4436-01
Misc :
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ClientSampleId :
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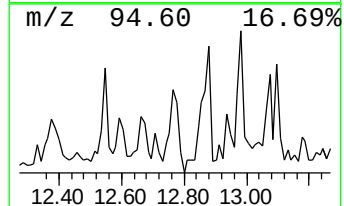
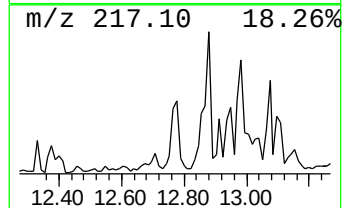
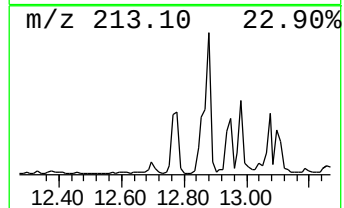
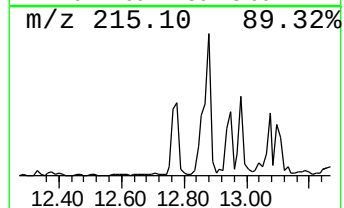
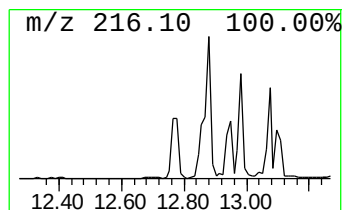
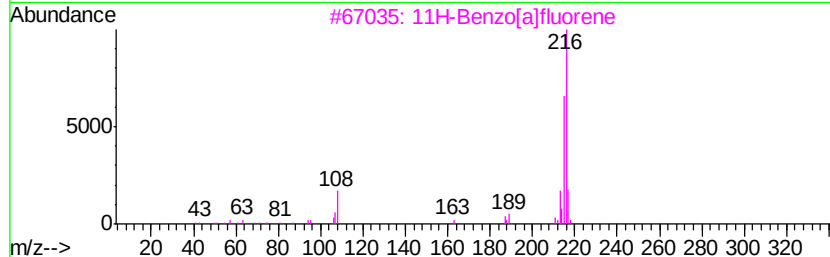
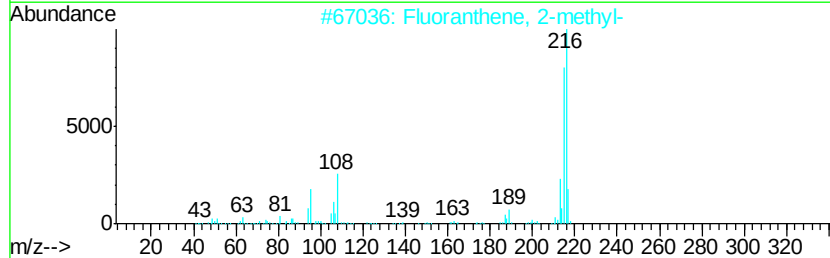
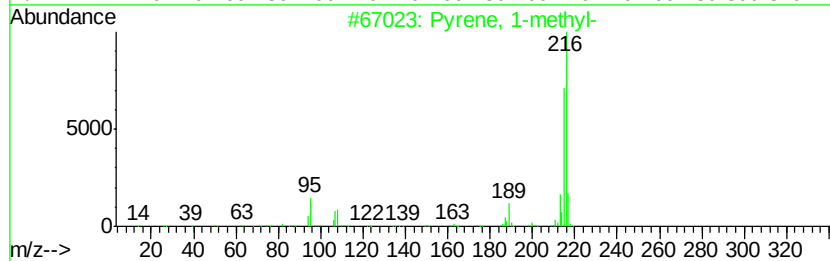
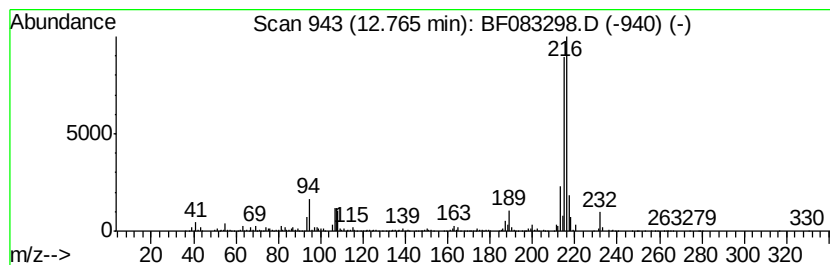
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	6.43 ng	3538630	Chrysene-d12	13.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
Operator : UM/IZ
Sample : G4436-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

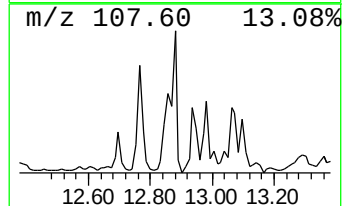
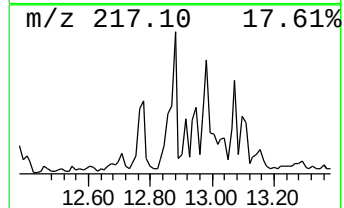
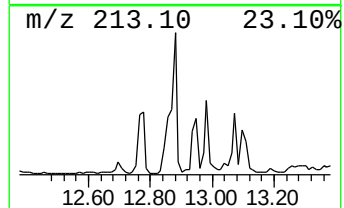
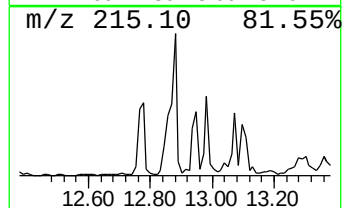
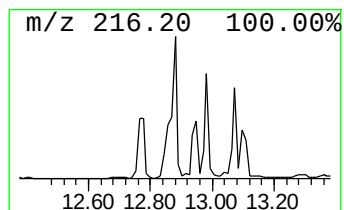
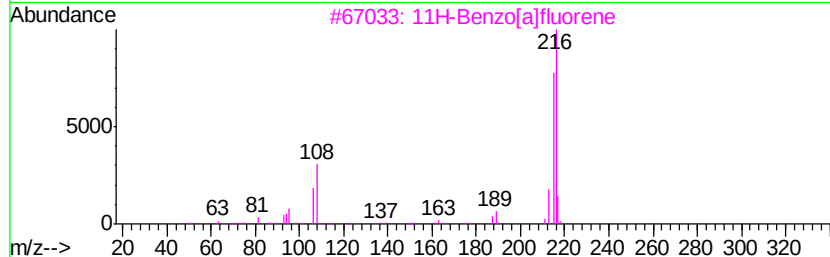
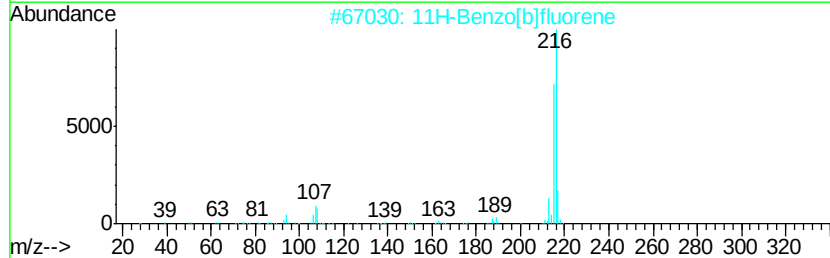
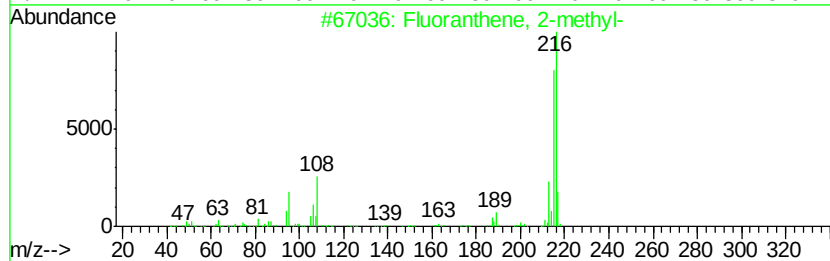
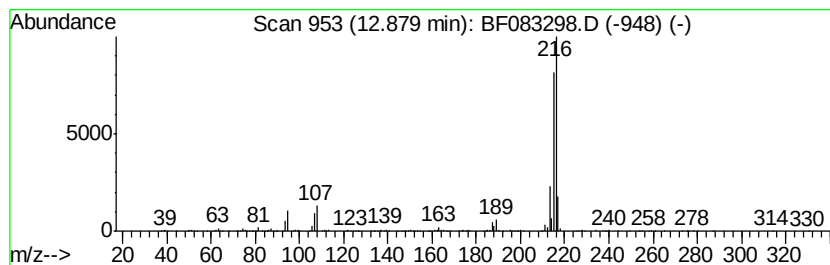
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.88	9.01 ng	4955260	Chrysene-d12	13.76	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
Operator : UM/IZ
Sample : G4436-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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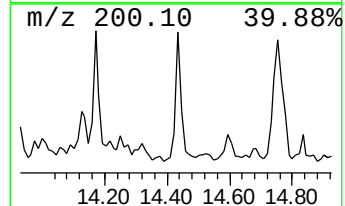
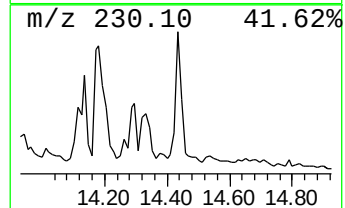
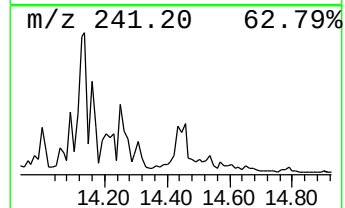
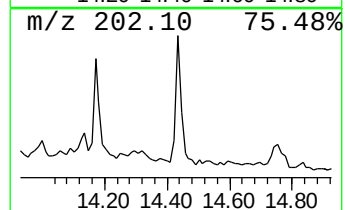
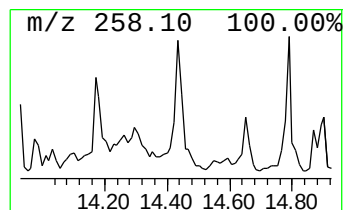
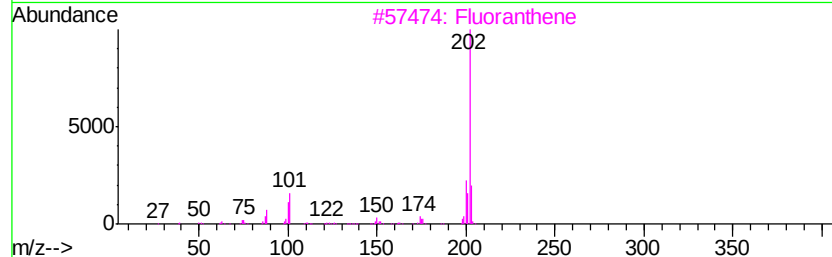
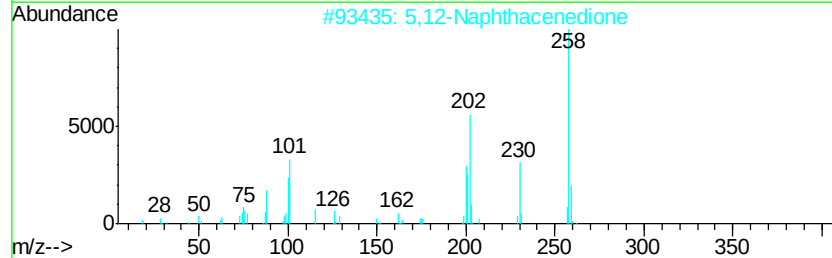
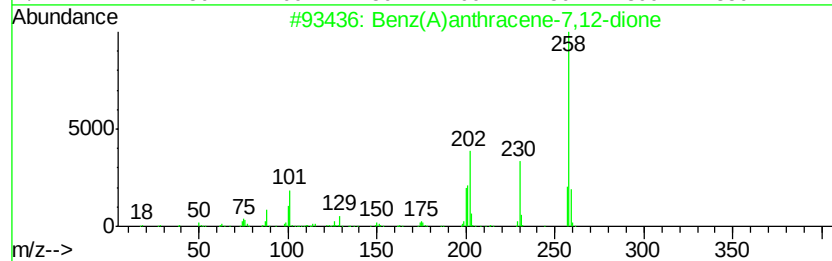
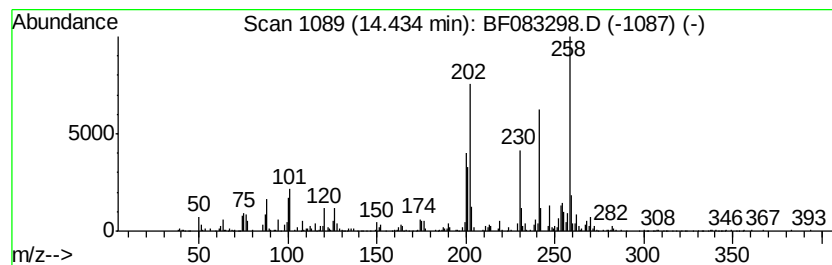
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benz(A)anthracene-7,12-dione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	23.42 ng	982077	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3		Fluoranthene	202	C16H10	000206-44-0	68
4		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
5		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
Operator : UM/IZ
Sample : G4436-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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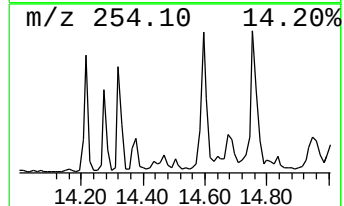
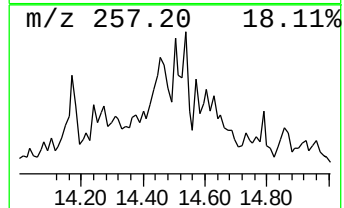
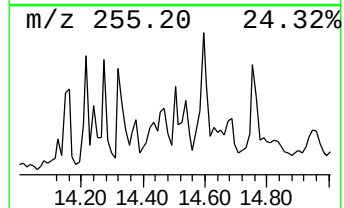
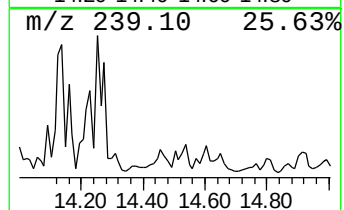
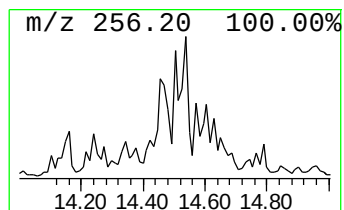
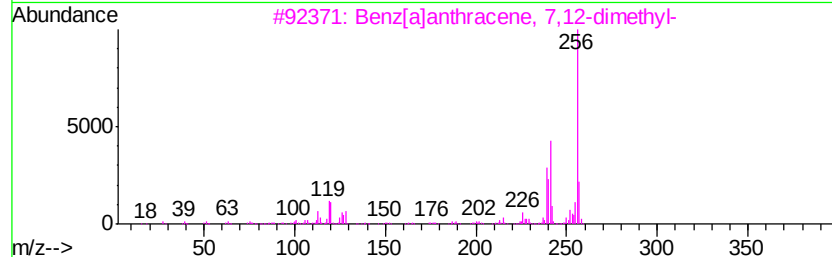
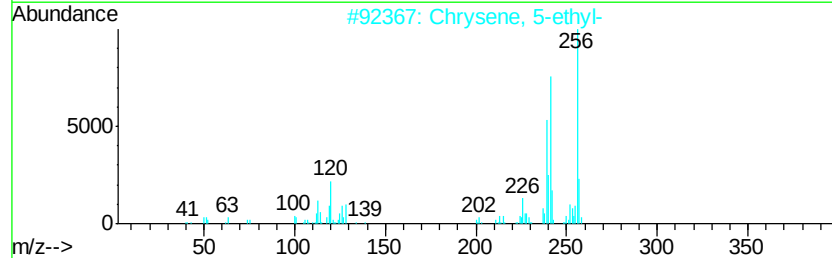
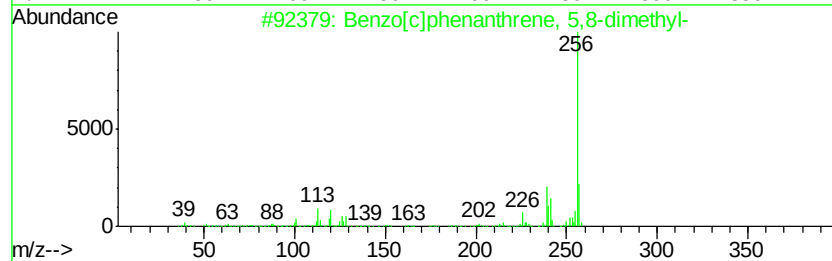
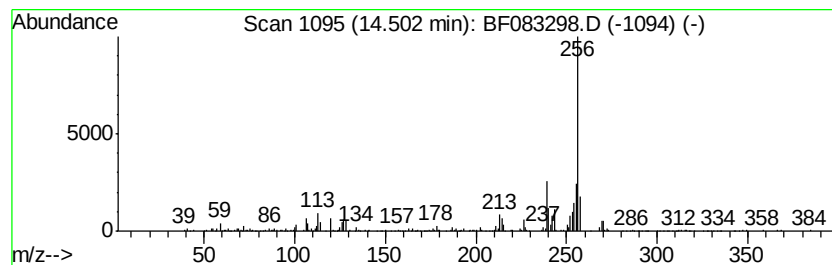
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	8.12 ng	340421	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	89
2		Chrysene, 5-ethyl-	256	C20H16	054986-62-8	62
3		Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	58
4		1-Phenyl-3,6-diazahomoadamantan-...	256	C15H20N4	1000216-29-0	50
5		Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
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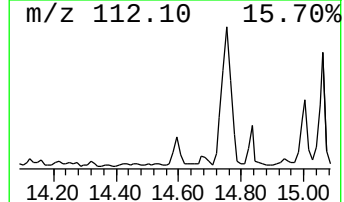
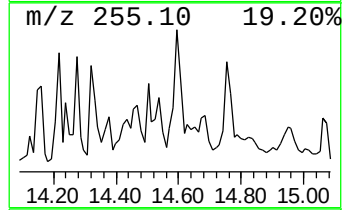
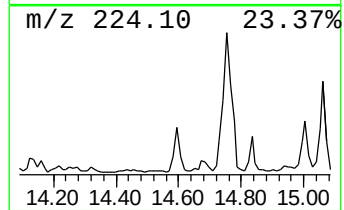
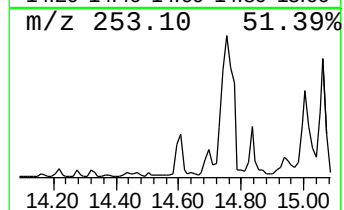
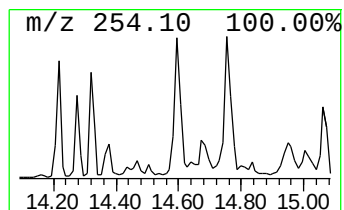
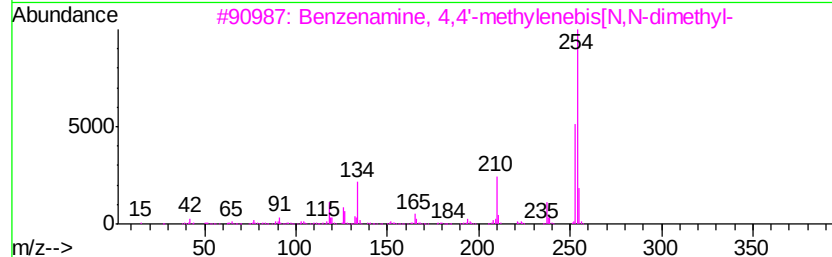
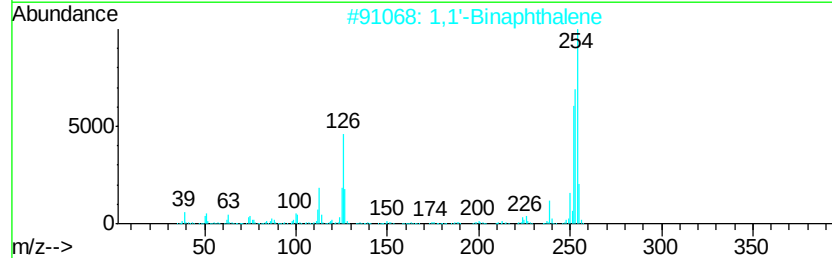
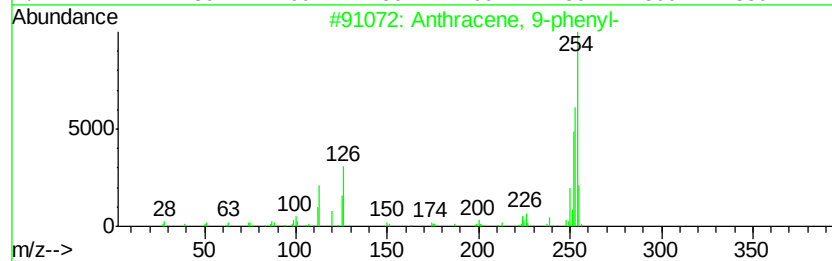
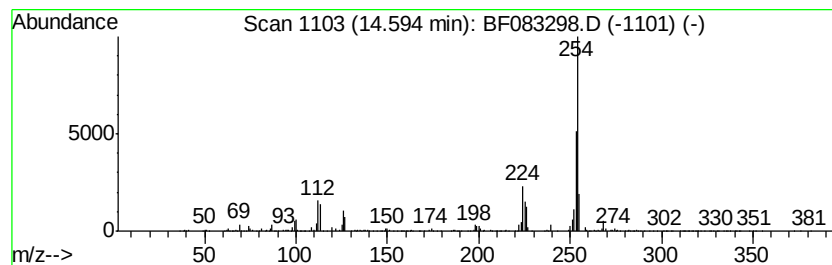
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	19.99 ng	838159	Perylene-d12	15.11
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Anthracene, 9-phenyl-	254 C20H14	000602-55-1 68
2		1,1'-Binaphthalene	254 C20H14	000604-53-5 58
3		Benzenamine, 4,4'-methylenebis[N...	254 C17H22N2	000101-61-1 53
4		Imidazo[1,2-b]-1,2,4-triazine, 6...	254 C14H14N4O	1000277-24-4 53
5		Azacyclotridecan-2-one, 1-(3-ami...	254 C15H30N2O	064414-61-5 50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
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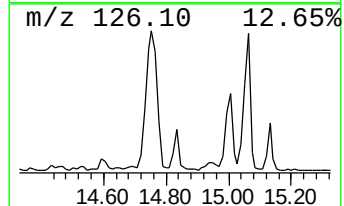
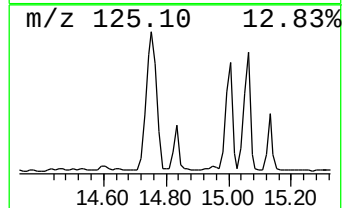
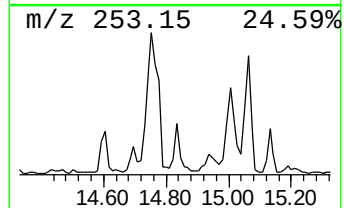
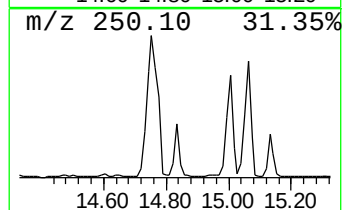
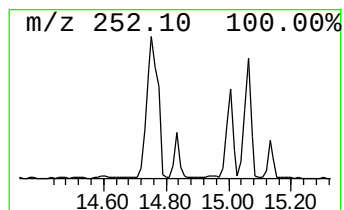
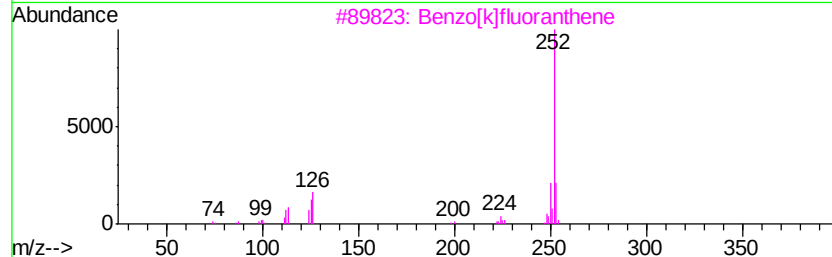
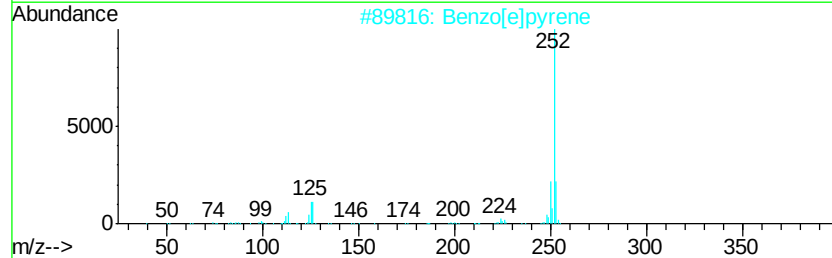
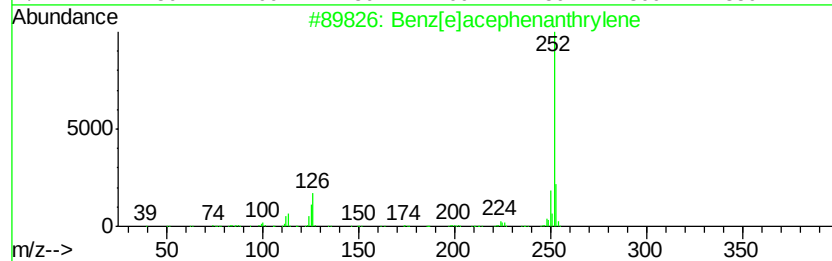
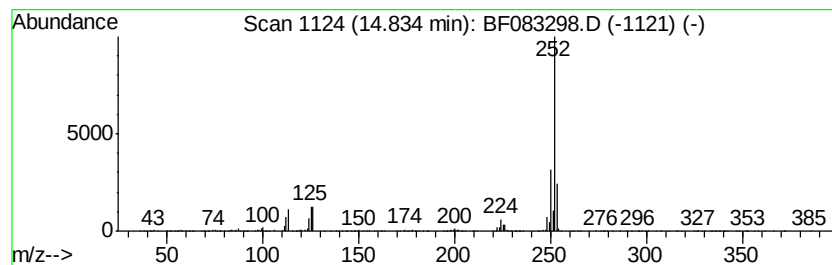
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benz[e]acephenanthrylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	35.20 ng	1476120	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
2		Benzo[e]pyrene	252	C20H12	000192-97-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	89
5		Benzo[a]pyrene	252	C20H12	000050-32-8	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
Operator : UM/IZ
Sample : G4436-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-1350

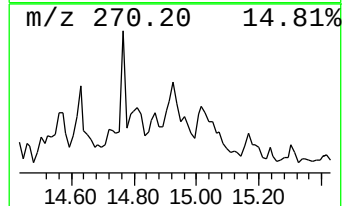
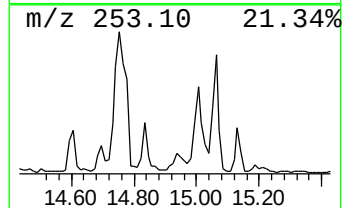
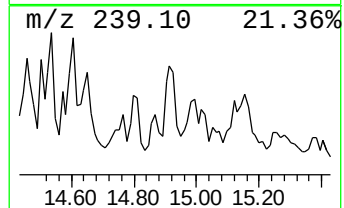
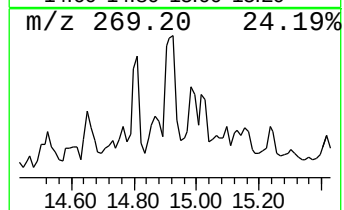
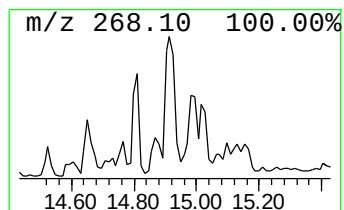
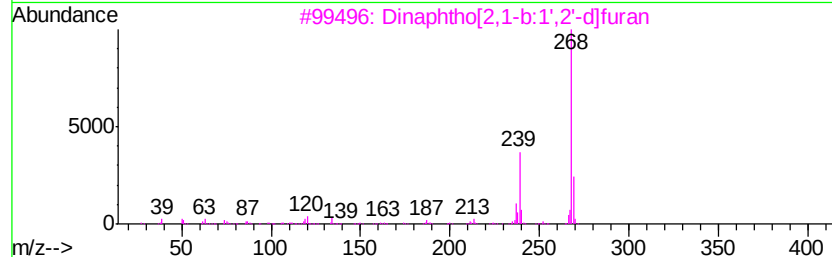
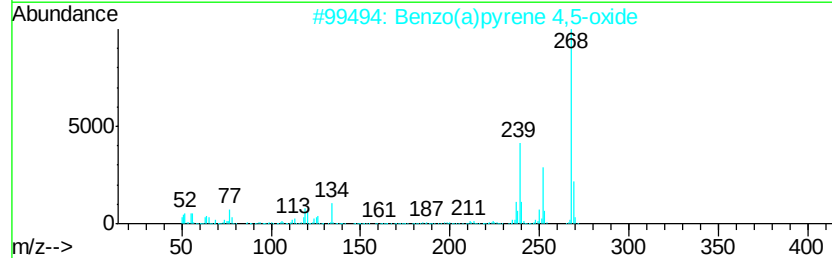
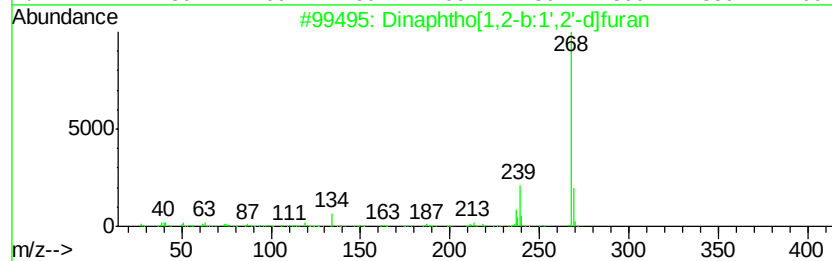
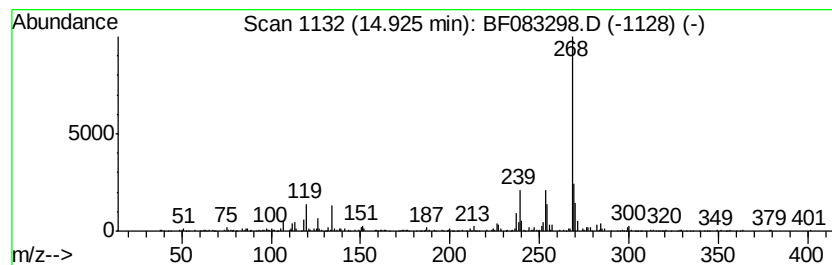
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	15.51 ng	650232	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	86
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	62
4		3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-...	268	C17H20N2O	080249-75-8	55
5		trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
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Operator : UM/IZ
Sample : G4436-01
Misc :
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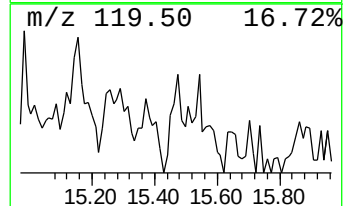
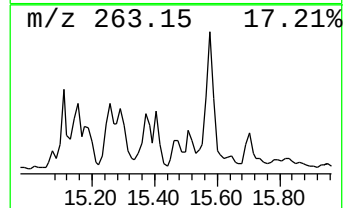
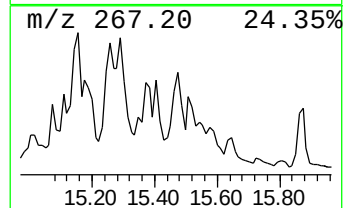
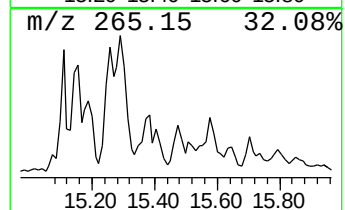
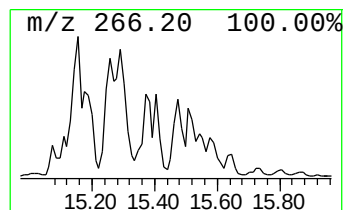
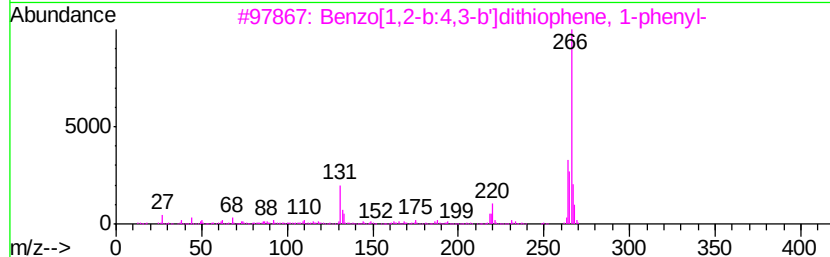
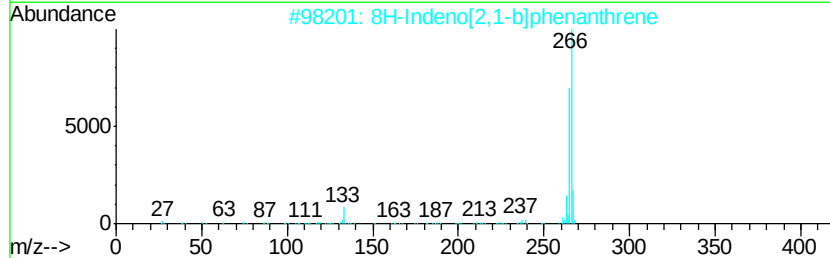
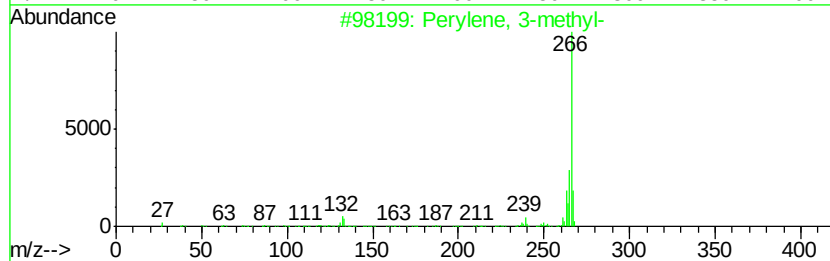
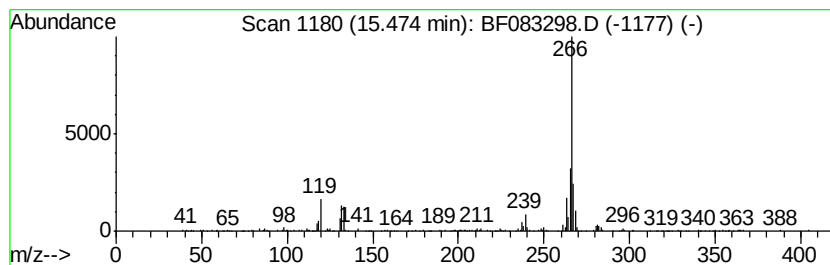
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Perylene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.95 ng	417078	Perylene-d12	15.11
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Perylene, 3-methyl-	266 C21H14	024471-47-4 76
2		8H-Indeno[2,1-b]phenanthrene	266 C21H14	000241-28-1 70
3		Benzo[1,2-b:4,3-b']dithiophene, ...	266 C16H10S2	016587-58-9 64
4		Indole, 3-methyl-2-(4-methyl-3-n...	266 C16H14N2O2	311765-55-6 53
5		4H-1-Benzopyran-4-one, 3-hydroxy...	266 C17H14O3	078396-37-9 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
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Acq On : 26 Nov 2015 3:12
Operator : UM/IZ
Sample : G4436-01
Misc :
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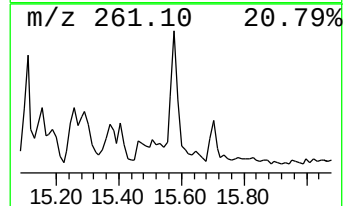
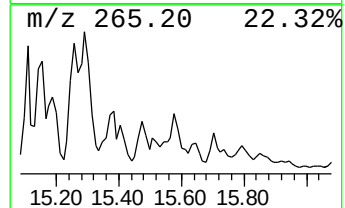
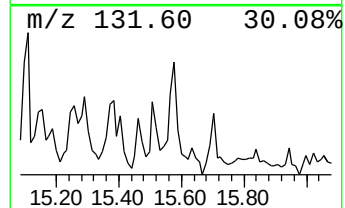
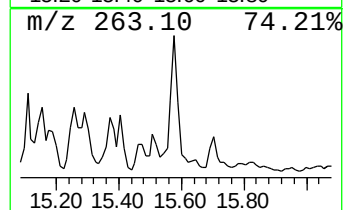
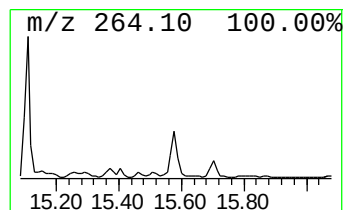
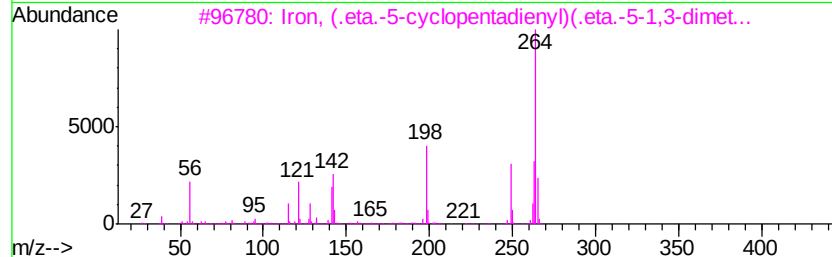
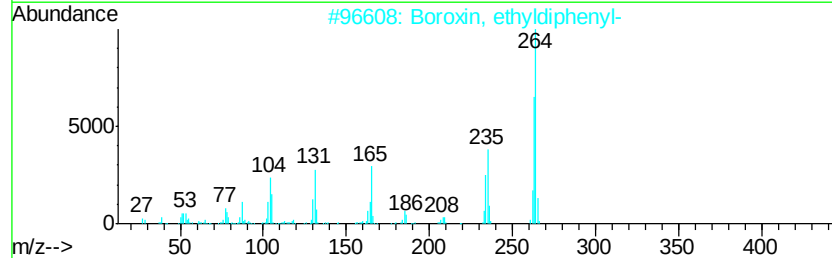
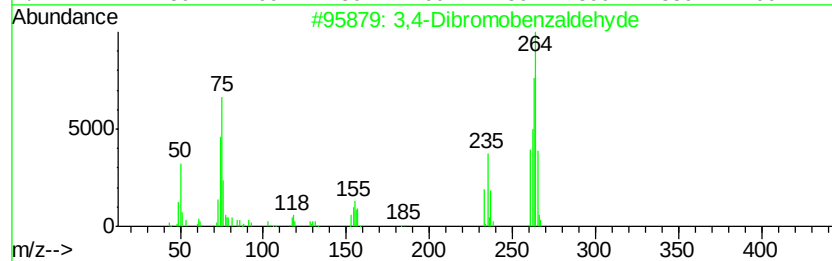
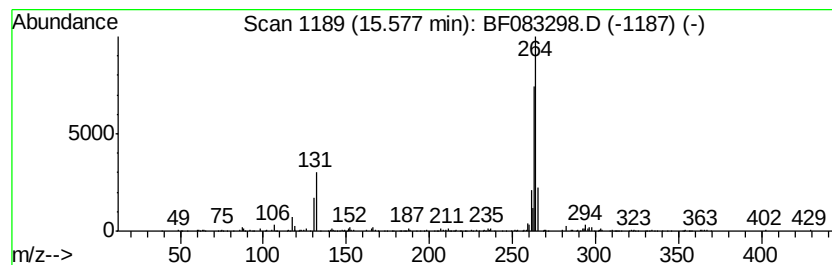
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 3,4-Dibromobenzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.58	8.07 ng	338573	Perylene-d12	15.11		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	72
2		Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	33
3		Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	32
4		Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	30
5		Cyclohex-4-ene-1,2-dicarboxylic ...	392	C24H44N2O2	1000187-42-7	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
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Operator : UM/IZ
Sample : G4436-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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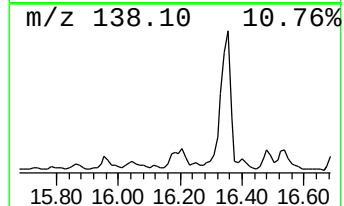
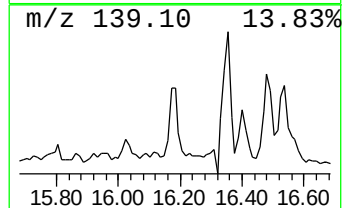
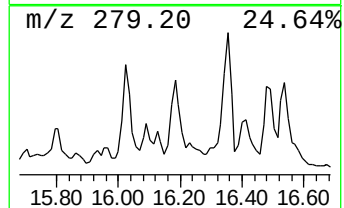
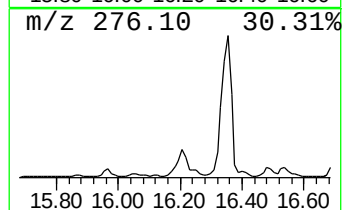
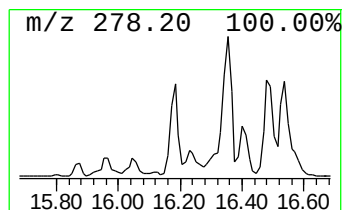
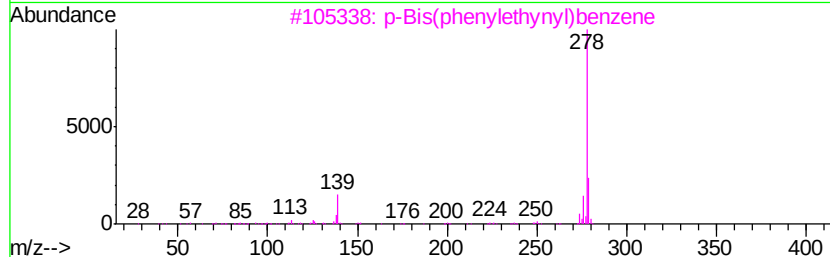
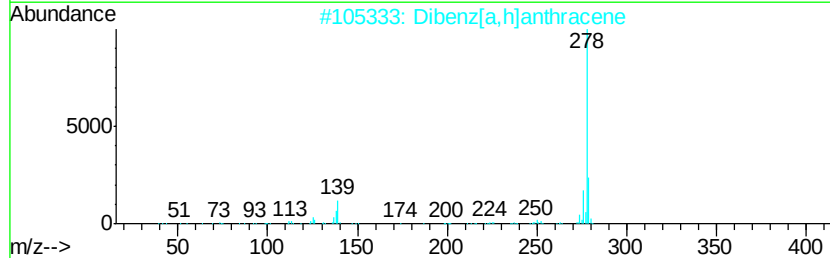
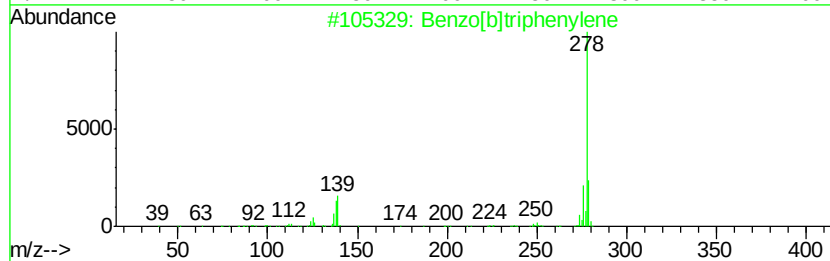
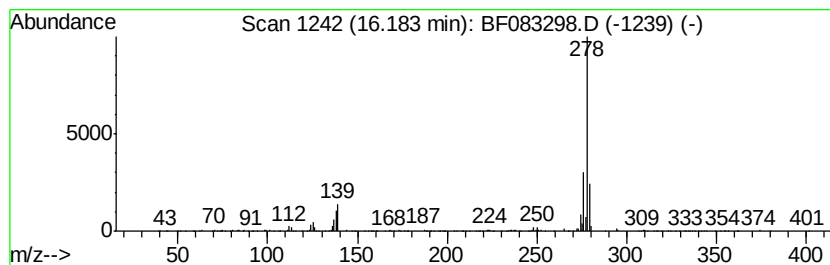
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	30.55 ng	1280810	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
3		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	93
4		Benzo[b]chrysene	278	C22H14	000214-17-5	93
5		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083298.D
Acq On : 26 Nov 2015 3:12
Operator : UM/IZ
Sample : G4436-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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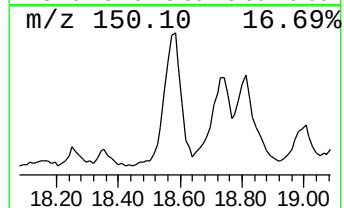
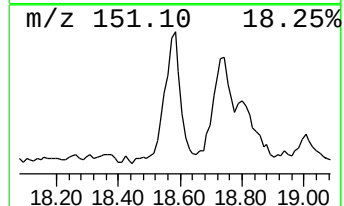
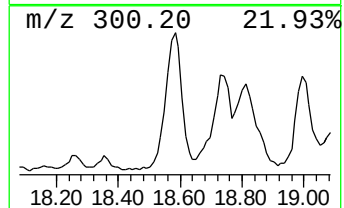
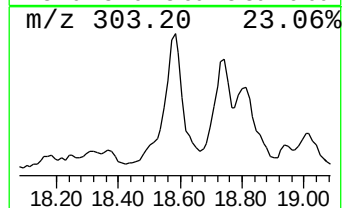
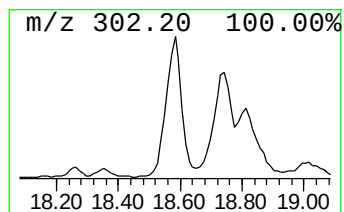
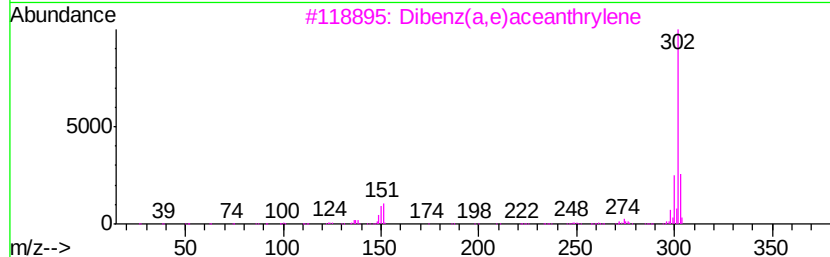
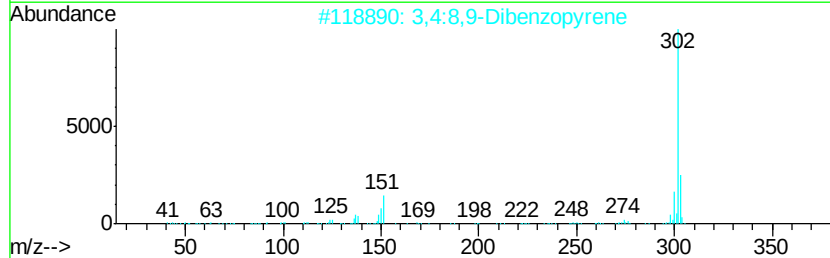
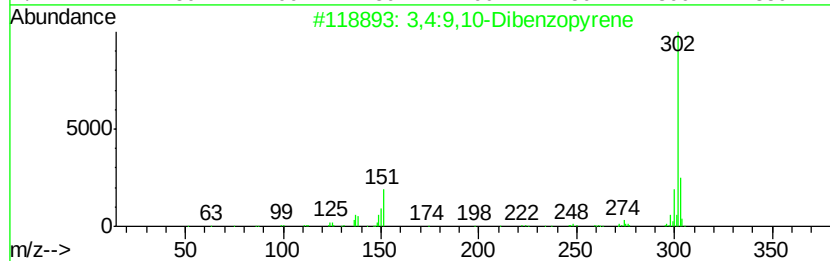
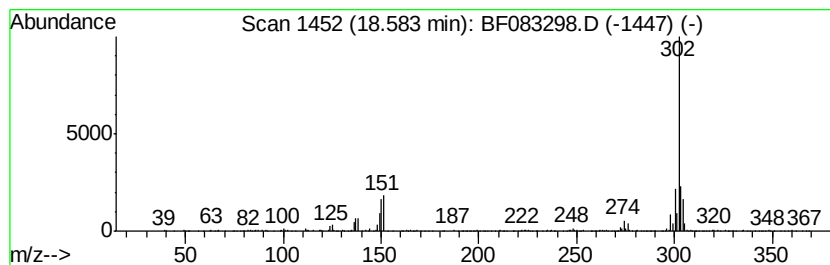
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	29.18 ng	1223610	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
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 Sample : G4436-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.72	56.2	ng	2907800	1	6.59	1034280	20.0
unknown6.38	6.38	90.0	ng	4655790	1	6.59	1034280	20.0
Dibenzofuran, 4-m...	10.33	7.9	ng	505867	3	9.63	1282650	20.0
Benzaldehyde, 3,5...	11.72	9.6	ng	5077050	4	11.11	10623200	20.0
Pyrene, 1-methyl-	12.77	6.4	ng	3538630	5	13.76	10998800	20.0
Fluoranthene, 2-m...	12.88	9.0	ng	4955260	5	13.76	10998800	20.0
Benz(A)anthracene...	14.43	23.4	ng	982077	6	15.11	838627	20.0
Benzo[c]phenanthr...	14.50	8.1	ng	340421	6	15.11	838627	20.0
Anthracene, 9-phe...	14.59	20.0	ng	838159	6	15.11	838627	20.0
Benz[e]acephenant...	14.83	35.2	ng	1476120	6	15.11	838627	20.0
Dinaphtho[1,2-b:1...	14.93	15.5	ng	650232	6	15.11	838627	20.0
Perylene, 3-methyl-	15.47	9.9	ng	417078	6	15.11	838627	20.0
3,4-Dibromobenzal...	15.58	8.1	ng	338573	6	15.11	838627	20.0
Benzo[b]triphenylene	16.18	30.6	ng	1280810	6	15.11	838627	20.0
3,4:9,10-Dibenzop...	18.58	29.2	ng	1223610	6	15.11	838627	20.0