

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082335.D
 Acq On : 16 Oct 2015 19:44
 Operator : UM/IZ
 Sample : G4051-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-5-20151015

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-BF101015.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	5.097	257	259	262	rBV	232345	235668	5.31%	0.442%
2	5.531	295	297	299	rBV	303713	397154	8.94%	0.745%
3	6.560	385	387	389	rBV	321630	430931	9.70%	0.808%
4	6.686	396	398	401	rBV	467433	481270	10.84%	0.903%
5	6.926	417	419	421	rBV	243457	313712	7.06%	0.588%
6	7.074	430	432	434	rBV	494882	405193	9.12%	0.760%
7	7.486	466	468	470	rBV	253826	246073	5.54%	0.461%
8	8.206	529	531	532	rBV	556197	506900	11.41%	0.951%
9	9.280	622	625	627	rBV	552186	778567	17.53%	1.460%
10	9.612	652	654	655	rBV	84948	78461	1.77%	0.147%
11	9.669	658	659	662	rVB	287115	234351	5.28%	0.439%
12	9.817	669	672	674	rBV	502762	434054	9.77%	0.814%
13	9.955	682	684	686	rBV	732633	621776	14.00%	1.166%
14	9.989	686	687	689	rVB	228888	161326	3.63%	0.303%
15	10.160	699	702	704	rVV	221749	227649	5.13%	0.427%
16	10.355	717	719	720	rBV	47040	69485	1.56%	0.130%
17	10.503	730	732	734	rVB	423055	405098	9.12%	0.760%
18	10.652	743	745	750	rVB2	87635	115429	2.60%	0.216%
19	10.743	750	753	756	rBV	1160571	1118529	25.18%	2.098%
20	10.846	761	762	767	rVB2	55436	116887	2.63%	0.219%
21	11.052	776	780	781	rBV2	97662	169827	3.82%	0.318%
22	11.178	788	791	792	rBV	72387	115373	2.60%	0.216%
23	11.246	795	797	799	rVV	225548	206323	4.65%	0.387%
24	11.292	799	801	803	rVV2	114540	148513	3.34%	0.279%
25	11.338	803	805	807	rVB	250186	228626	5.15%	0.429%
26	11.475	812	817	819	rBV2	3570012	4441782	100.00%	8.330%
27	11.520	819	821	823	rVV	1011826	922127	20.76%	1.729%
28	11.681	831	835	837	rBV2	276034	466997	10.51%	0.876%
29	11.783	842	844	846	rBV2	134271	185187	4.17%	0.347%
30	11.943	855	858	859	rBV	488363	539691	12.15%	1.012%
31	11.966	859	860	862	rVB	661315	675189	15.20%	1.266%
32	12.012	862	864	866	rVB2	130935	189070	4.26%	0.355%
33	12.058	866	868	872	rVB2	726233	1069861	24.09%	2.006%
34	12.126	872	874	877	rBV4	80483	135352	3.05%	0.254%

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35	12.241	880	884	885 rBV	298804	387653	8.73%	0.727%
36	12.263	885	886	889 rVB	220383	252121	5.68%	0.473%
37	12.309	889	890	894 rVB3	51388	74891	1.69%	0.140%
38	12.389	894	897	898 rBV2	106749	142617	3.21%	0.267%
39	12.412	898	899	901 rBV	66621	82120	1.85%	0.154%
40	12.492	903	906	907 rBV	261684	296778	6.68%	0.557%
41	12.526	907	909	912 rVV3	127713	238751	5.38%	0.448%
42	12.583	912	914	916 rVB	297183	322996	7.27%	0.606%
43	12.663	918	921	923 rBV	3035387	3903939	87.89%	7.321%
44	12.721	923	926	927 rBV2	102048	134997	3.04%	0.253%
45	12.755	927	929	931 rVB	258363	224506	5.05%	0.421%
46	12.812	931	934	935 rBV2	166078	239099	5.38%	0.448%
47	12.903	938	942	944 rBV	2577234	4205805	94.69%	7.887%
48	12.938	944	945	949 rVB2	212895	229038	5.16%	0.430%
49	13.029	949	953	957 rBV3	1259129	2061746	46.42%	3.866%
50	13.109	957	960	962 rBV2	250612	451529	10.17%	0.847%
51	13.144	962	963	966 rVB2	38660	72441	1.63%	0.136%
52	13.224	966	970	972 rVB	443112	725420	16.33%	1.360%
53	13.258	972	973	975 rBV2	78869	98955	2.23%	0.186%
54	13.292	975	976	978 rBV	276592	280915	6.32%	0.527%
55	13.326	978	979	983 rVB2	275229	428159	9.64%	0.803%
56	13.429	986	988	989 rBV	186407	166825	3.76%	0.313%
57	13.464	989	991	995 rVB2	183010	242350	5.46%	0.454%
58	13.532	995	997	1003 rVB4	89651	204287	4.60%	0.383%
59	13.624	1003	1005	1008 rBV4	74944	219647	4.95%	0.412%
60	13.761	1015	1017	1019 rVB	348265	356286	8.02%	0.668%
61	13.875	1024	1027	1029 rBV	340084	496516	11.18%	0.931%
62	13.909	1029	1030	1031 rVV	303070	256572	5.78%	0.481%
63	13.932	1031	1032	1034 rVV	252037	374641	8.43%	0.703%
64	13.989	1034	1037	1039 rVV2	308584	527274	11.87%	0.989%
65	14.058	1041	1043	1046 rBV	67862	109057	2.46%	0.205%
66	14.149	1046	1051	1053 rBV2	1739827	3318702	74.72%	6.224%
67	14.184	1053	1054	1058 rVB	1656806	1530701	34.46%	2.871%
68	14.264	1060	1061	1064 rVV	175040	206358	4.65%	0.387%
69	14.309	1064	1065	1069 rVV3	107234	226992	5.11%	0.426%
70	14.401	1071	1073	1075 rVB2	112855	159894	3.60%	0.300%
71	14.538	1083	1085	1086 rBV2	100693	138496	3.12%	0.260%

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72	14.584	1086	1089	1090	rVB	233428	327553	7.37%	0.614%
73	14.618	1090	1092	1094	rVB2	152264	175057	3.94%	0.328%
74	14.687	1094	1098	1099	rBV3	102260	191886	4.32%	0.360%
75	14.721	1099	1101	1102	rBV	138130	138466	3.12%	0.260%
76	14.801	1107	1108	1111	rVB2	109915	126967	2.86%	0.238%
77	14.927	1117	1119	1120	rBV	83037	100513	2.26%	0.188%
78	15.007	1125	1126	1128	rBV2	61001	99117	2.23%	0.186%
79	15.121	1134	1136	1140	rVB2	133666	240225	5.41%	0.450%
80	15.189	1140	1142	1144	rBV2	54722	106937	2.41%	0.201%
81	15.292	1147	1151	1156	rBV	1366225	3052727	68.73%	5.725%
82	15.361	1156	1157	1158	rVV	87834	77783	1.75%	0.146%
83	15.395	1158	1160	1162	rVV	330269	363345	8.18%	0.681%
84	15.487	1166	1168	1172	rBV4	69921	225274	5.07%	0.422%
85	15.601	1175	1178	1181	rVV	809775	1198710	26.99%	2.248%
86	15.669	1181	1184	1186	rVV	1080135	1517974	34.17%	2.847%
87	15.727	1186	1189	1190	rVV	394098	549199	12.36%	1.030%
88	15.749	1190	1191	1195	rVB2	314365	504952	11.37%	0.947%
89	16.778	1277	1281	1283	rBV4	38262	110563	2.49%	0.207%
90	17.018	1299	1302	1303	rBV2	67870	137539	3.10%	0.258%
91	17.224	1316	1320	1324	rVB	490883	995477	22.41%	1.867%
92	17.395	1331	1335	1337	rBV	105924	252007	5.67%	0.473%
93	17.453	1337	1340	1343	rVB2	73898	170053	3.83%	0.319%
94	17.670	1355	1359	1367	rVB	407813	937359	21.10%	1.758%
95	17.910	1376	1380	1386	rVB2	90468	254708	5.73%	0.478%
96	19.956	1554	1559	1566	rVB	100449	391349	8.81%	0.734%
97	20.138	1571	1575	1579	rVV	71636	262568	5.91%	0.492%
98	20.218	1580	1582	1595	rVB3	56323	260603	5.87%	0.489%
99	21.087	1654	1658	1661	rBV	32972	108748	2.45%	0.204%
100	21.190	1665	1667	1675	rVB	60155	185363	4.17%	0.348%

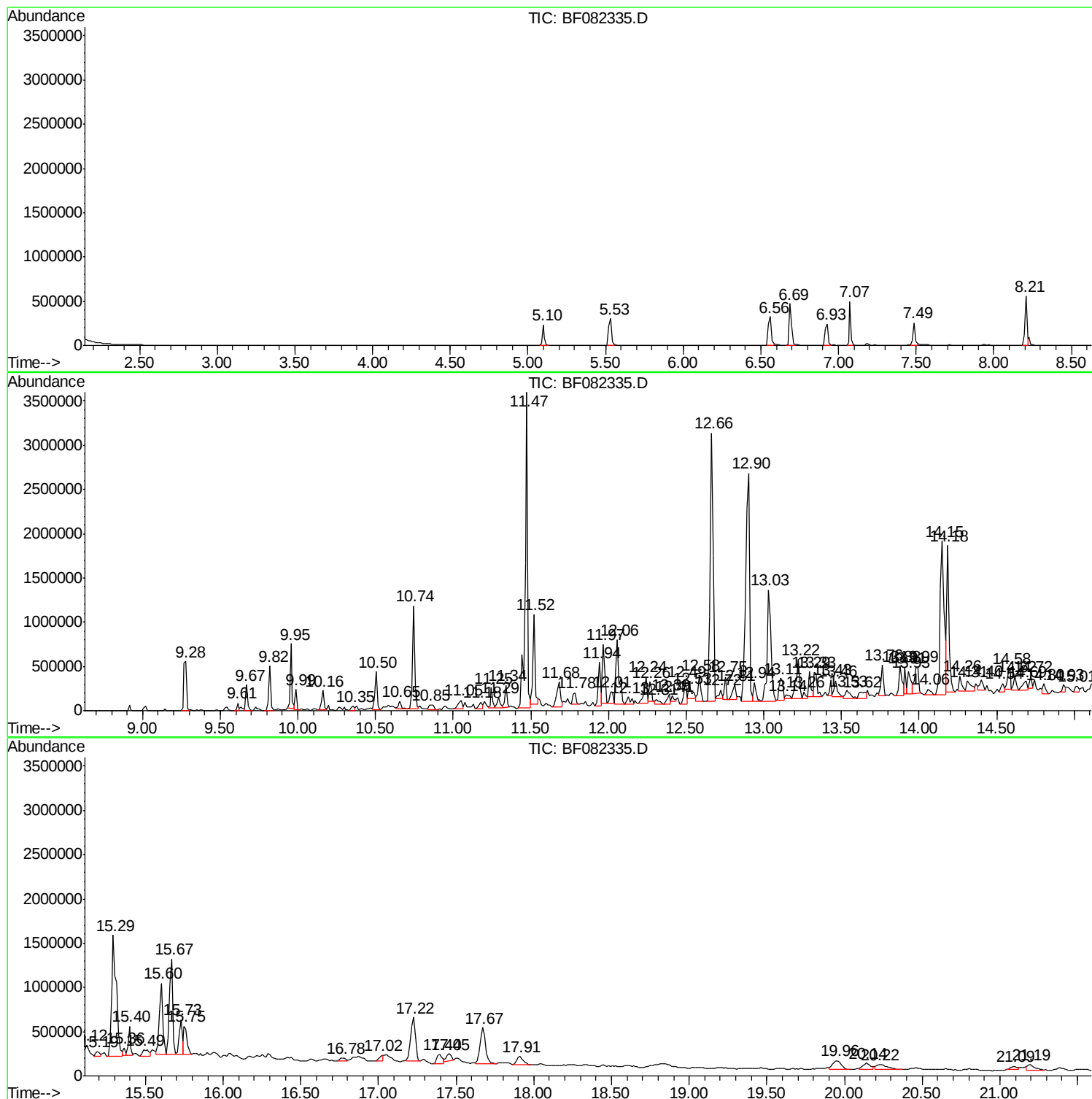
Sum of corrected areas: 53324527

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



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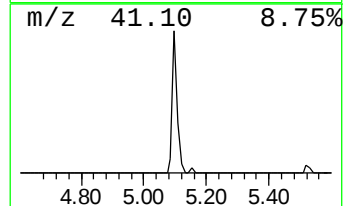
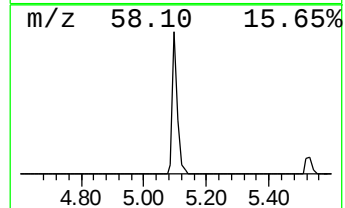
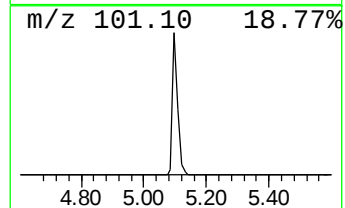
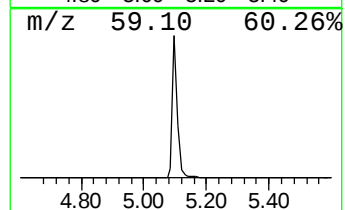
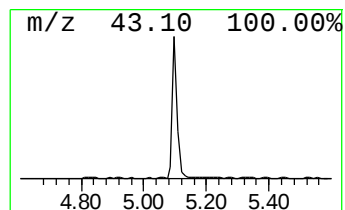
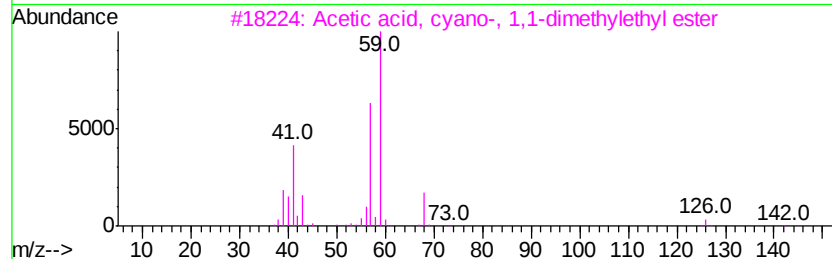
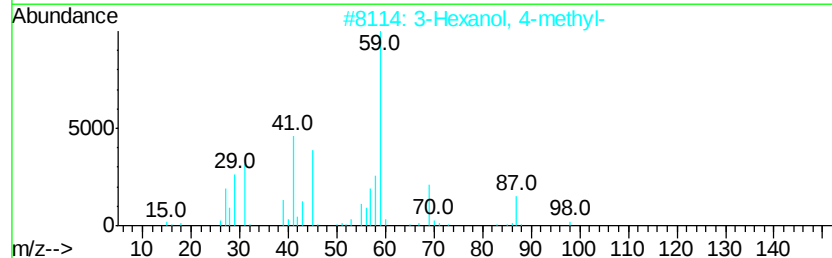
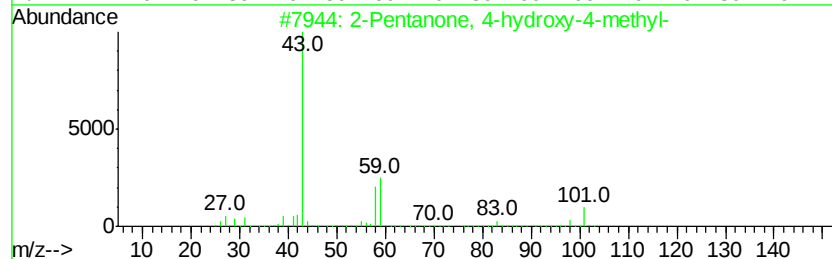
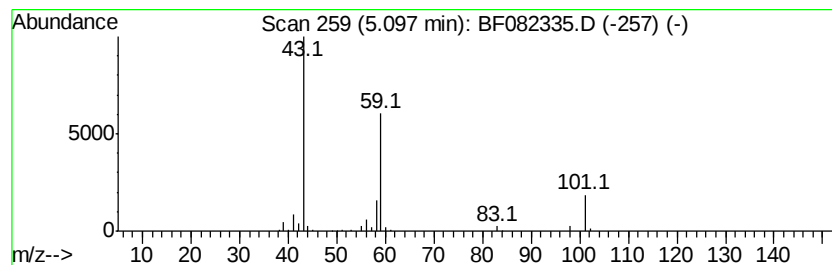
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.10	15.02 ng	235668	1,4-Dichlorobenzene-d4	6.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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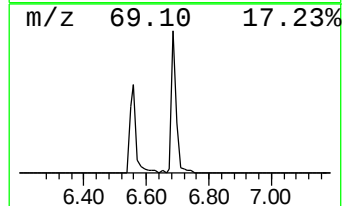
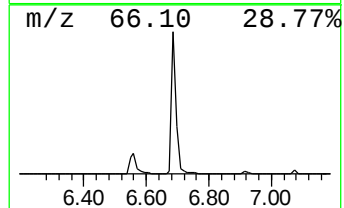
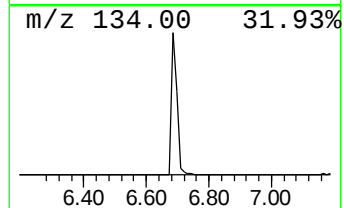
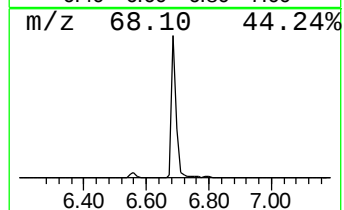
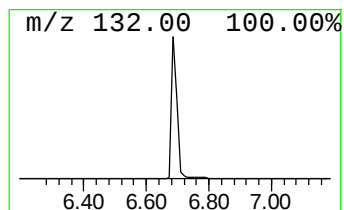
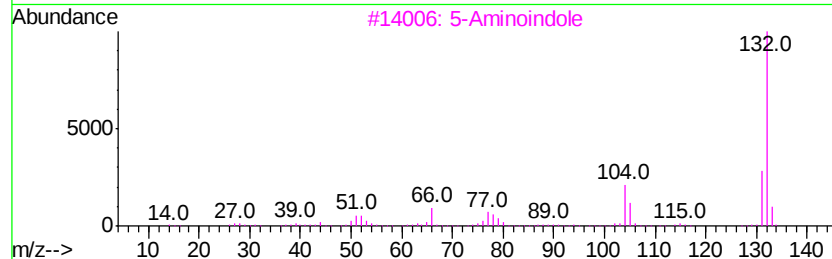
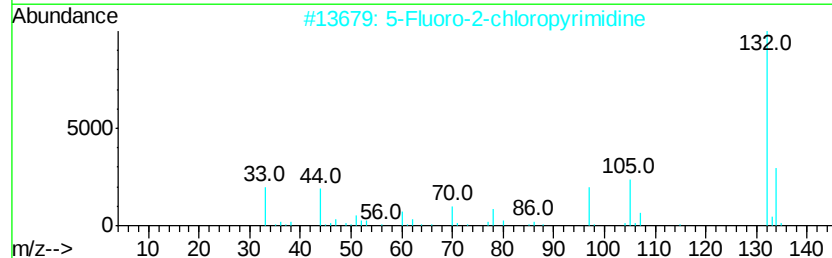
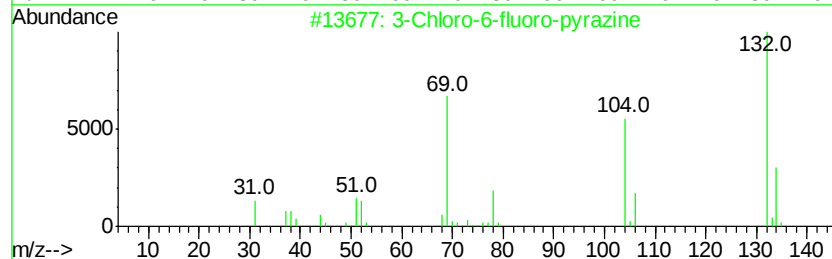
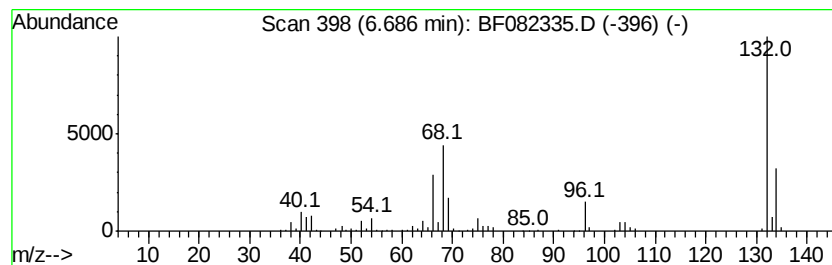
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 unknown6.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	30.68 ng	481270	1,4-Dichlorobenzene-d4	6.93

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-Aminoindole	132	C8H8N2	005192-03-0	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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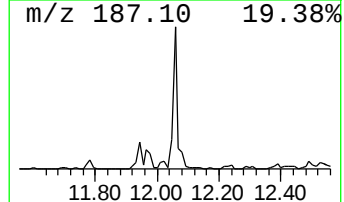
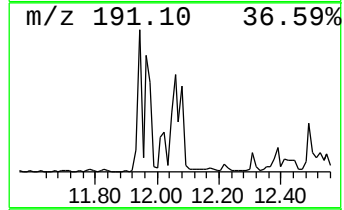
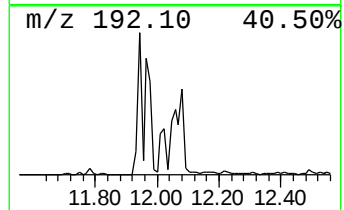
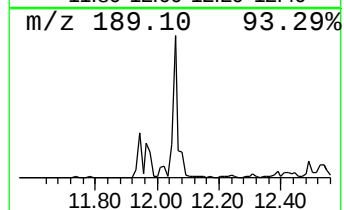
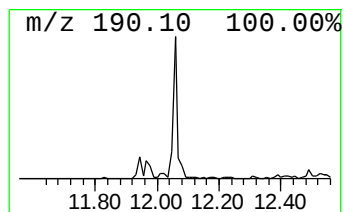
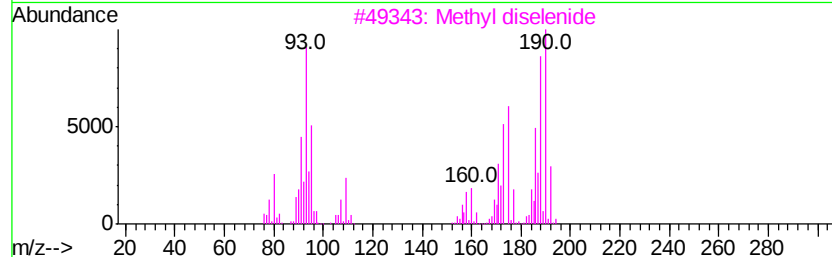
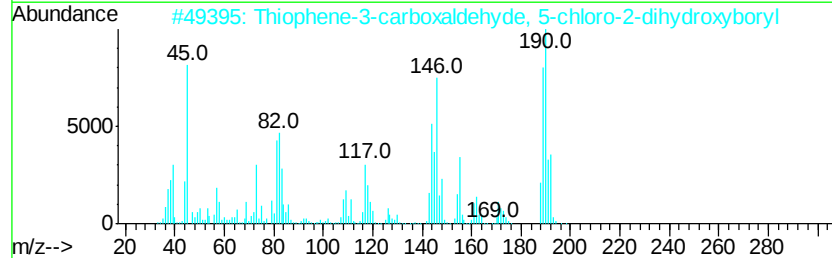
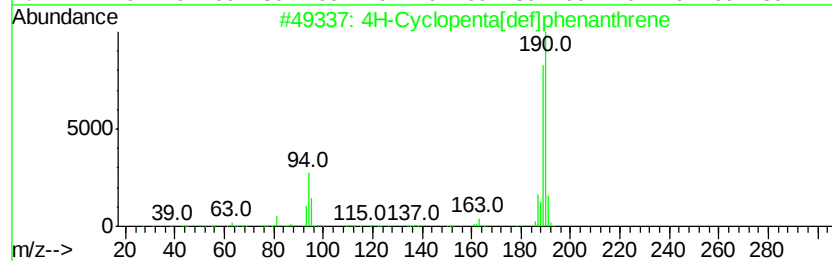
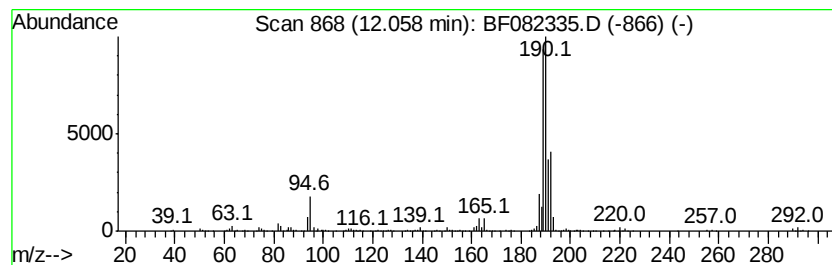
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TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	4.82 ng	1069860	Phenanthrene-d10	11.44

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3		Methyl diselenide	190	C2H6Se2	007101-31-7	49
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5		4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	17



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
Operator : UM/IZ
Sample : G4051-09
Misc :
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ClientSampleId :
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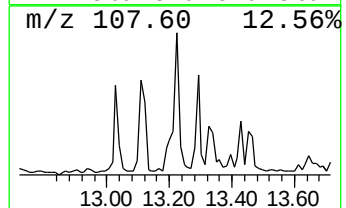
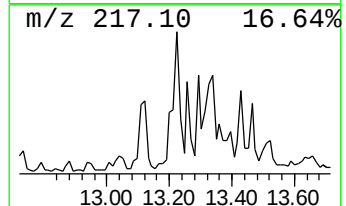
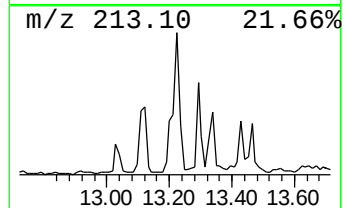
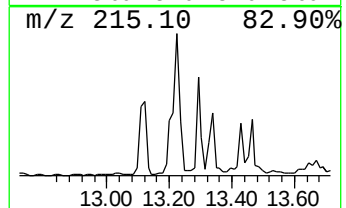
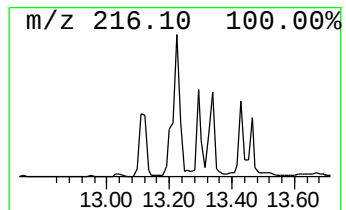
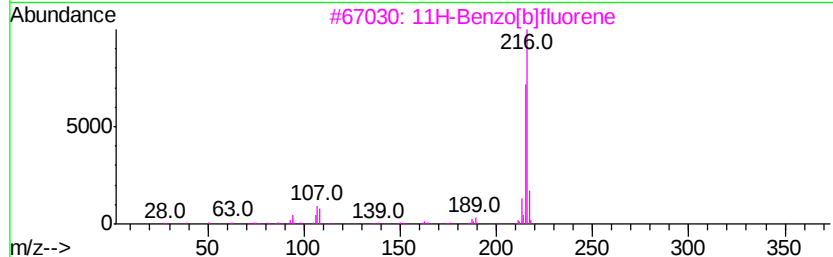
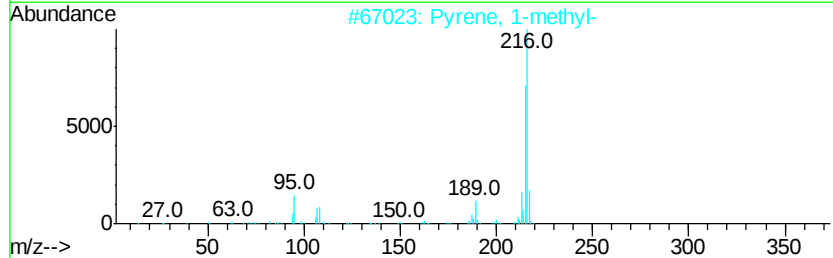
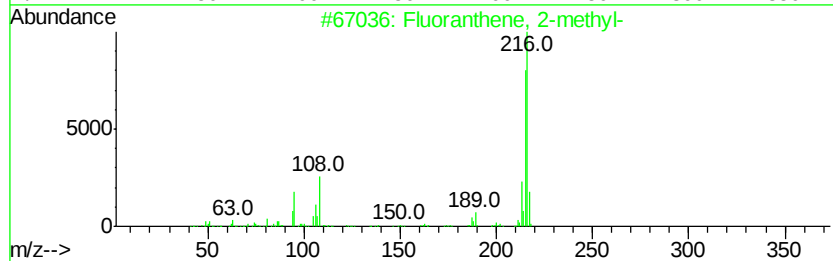
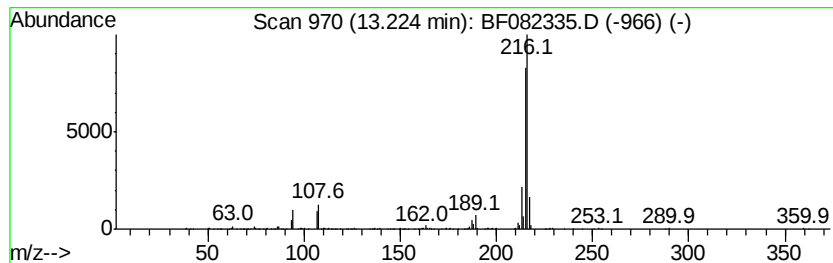
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	4.37 ng	725420	Chrysene-d12	14.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
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ClientSampleId :
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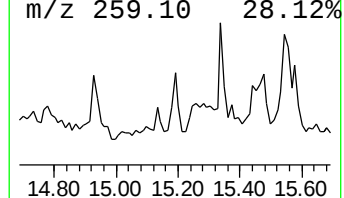
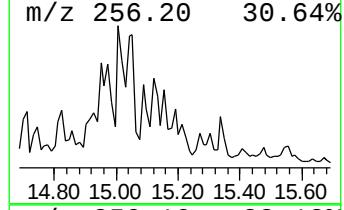
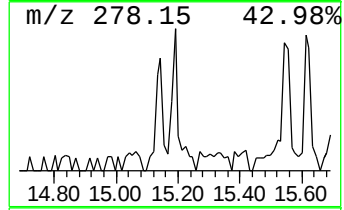
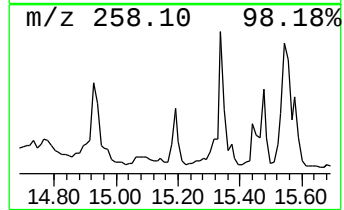
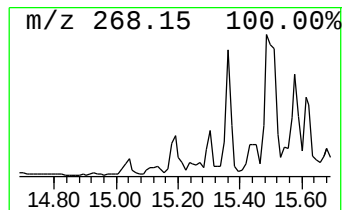
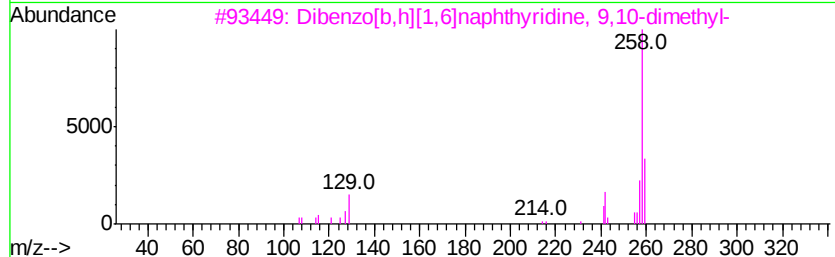
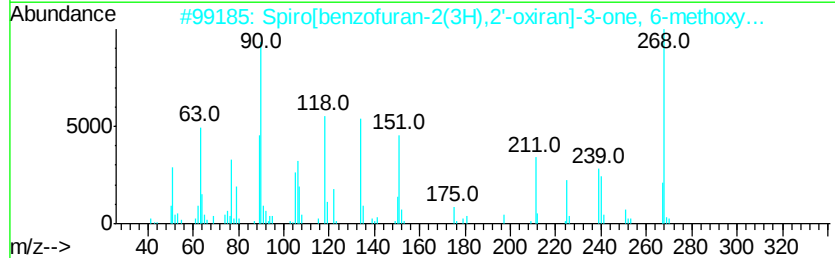
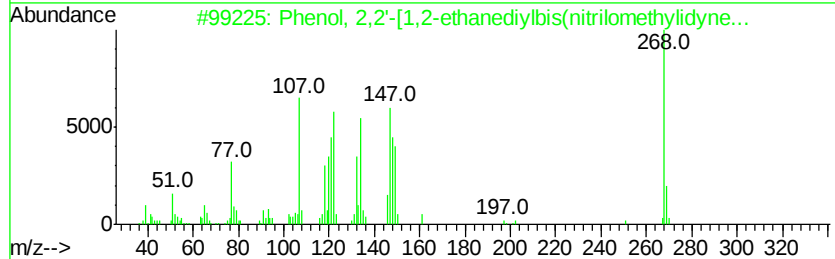
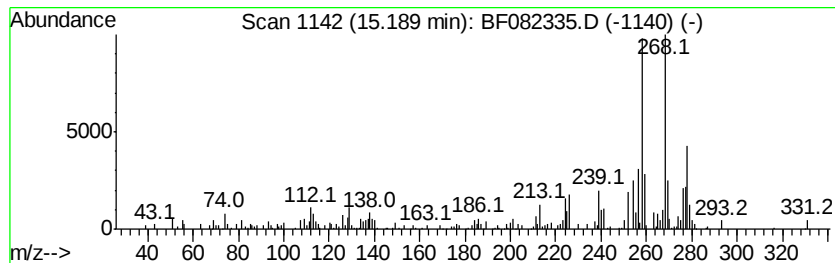
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenol, 2,2'-[1,2-ethanediyl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.89 ng	106937	Perylene-d12	15.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	60
2		Spiro[benzofuran-2(3H),2'-oxiran...	268	C16H12O4	010173-78-1	25
3		Dibenzo[b,h][1,6]naphthylidine, ...	258	C18H14N2	004240-85-1	20
4		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	18
5		1-Hydroxy-3-methoxy-6-methylanth...	268	C16H12O4	022225-63-4	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
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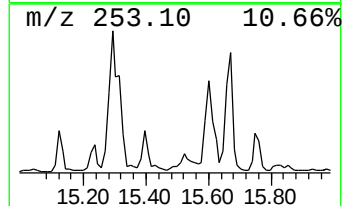
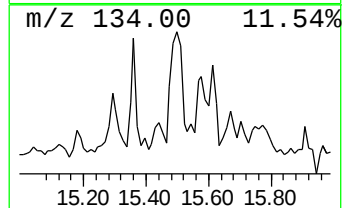
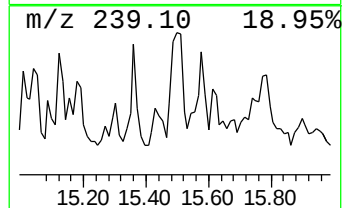
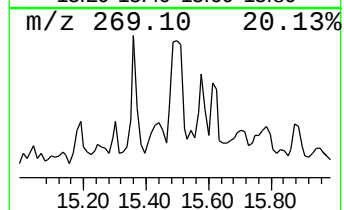
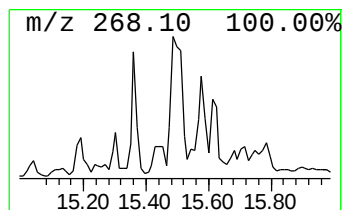
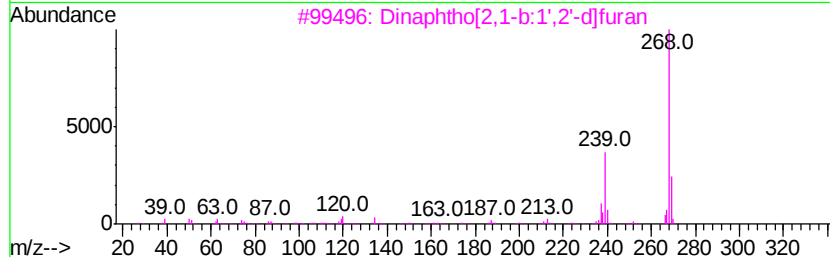
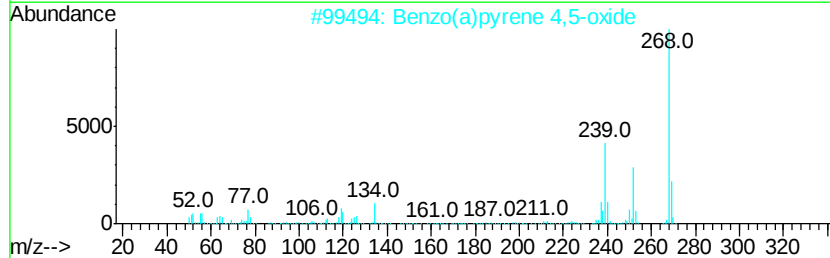
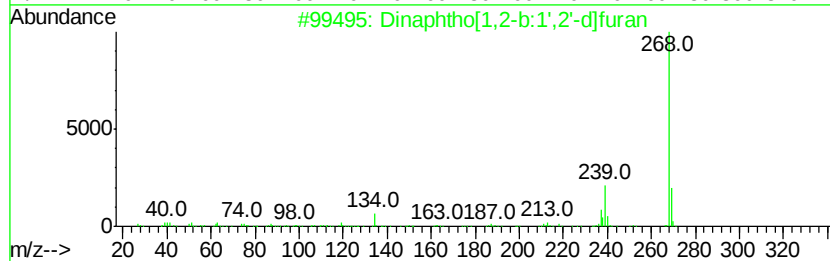
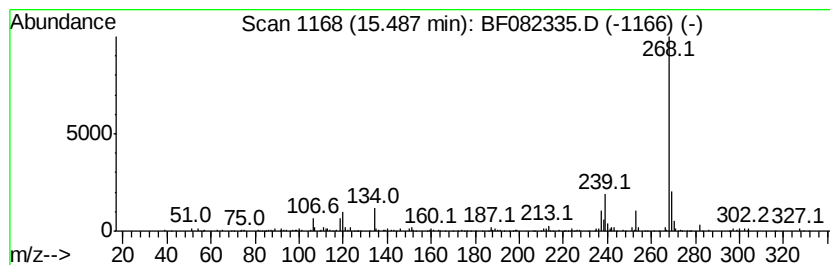
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	8.20 ng	225274	Perylene-d12	15.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
4		Benzene, 1,1'-(1,2-dimethyl-1,2-...	268	C18H20O2	000895-37-4	64
5		9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
Operator : UM/IZ
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Misc :
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ClientSampleId :
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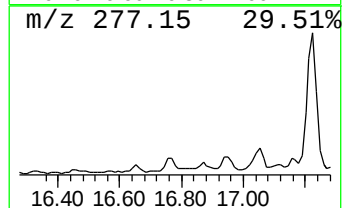
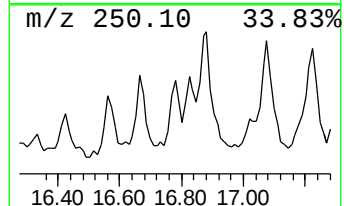
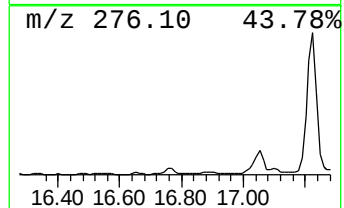
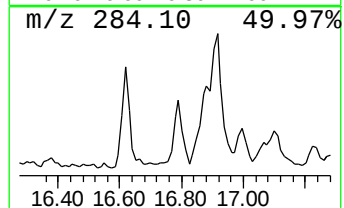
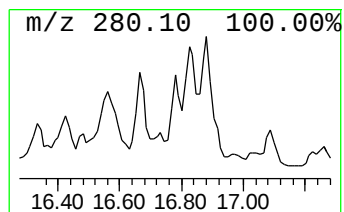
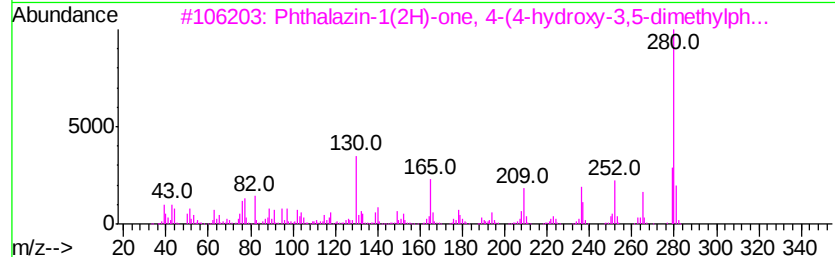
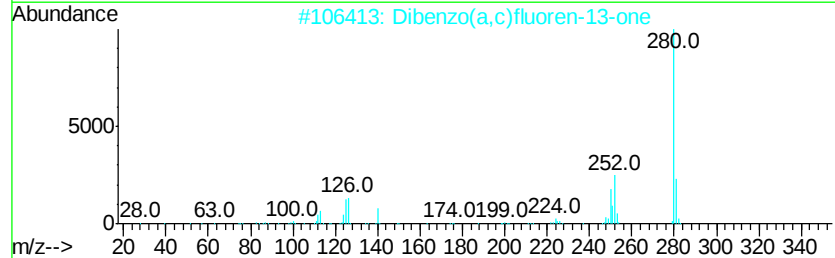
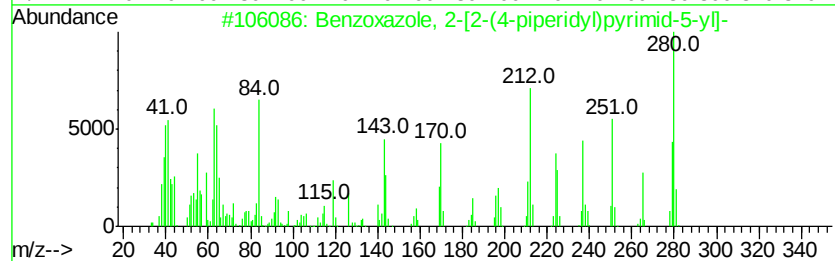
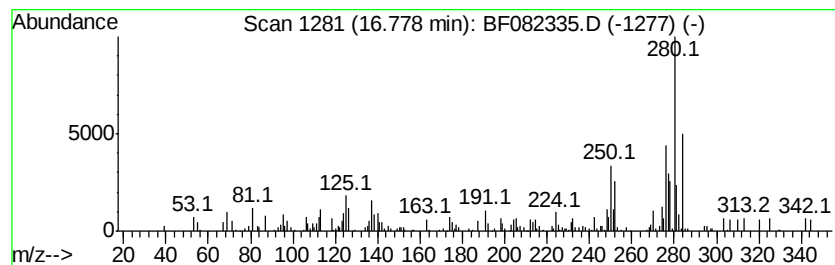
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	4.03 ng	110563	Perylene-d12	15.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoxazole, 2-[2-(4-piperidyl)pyrimid-5-yl]-	280	C16H16N4O	1000294-14-8	93
2		Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	50
3		Phthalazin-1(2H)-one, 4-(4-hydroxy-3,5-dimethylph...)	280	C17H16N2O2	203246-97-3	35
4		Dibenz[a,ilanthracene-5,6-quinone	308	C22H12O2	052755-66-5	32
5		1-(Phenylethynyl)-4-(trans-styryl)-	280	C22H16	173035-17-1	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082335.D
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ClientSampleId :
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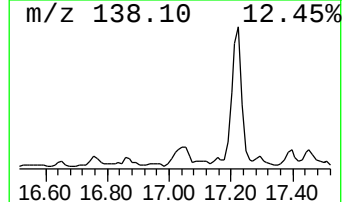
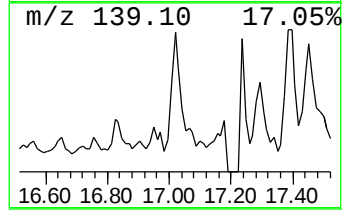
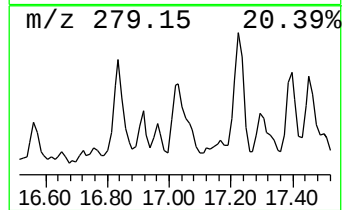
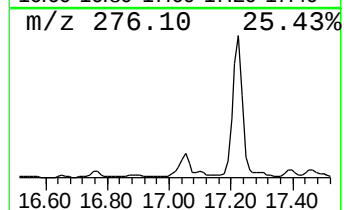
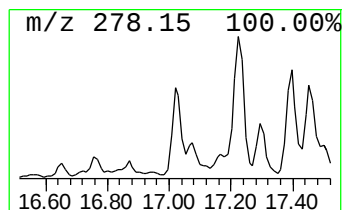
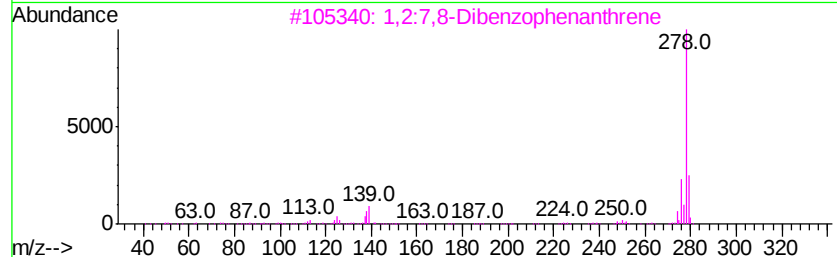
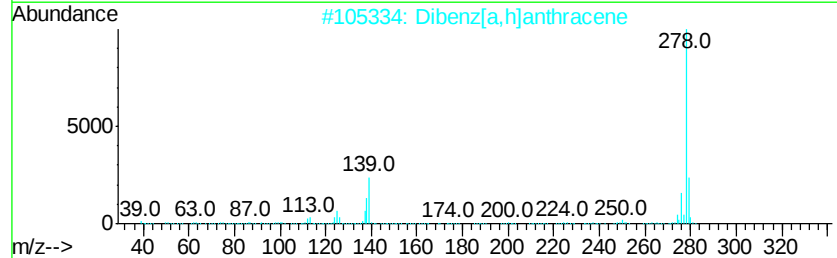
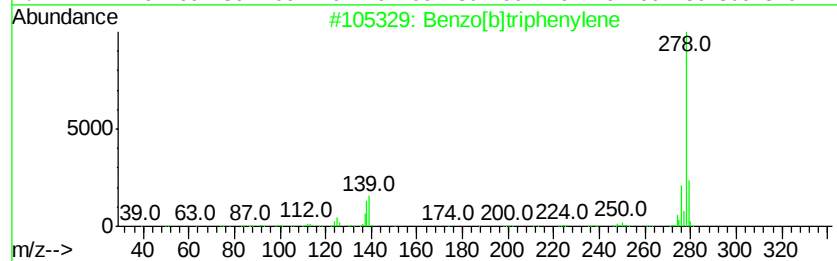
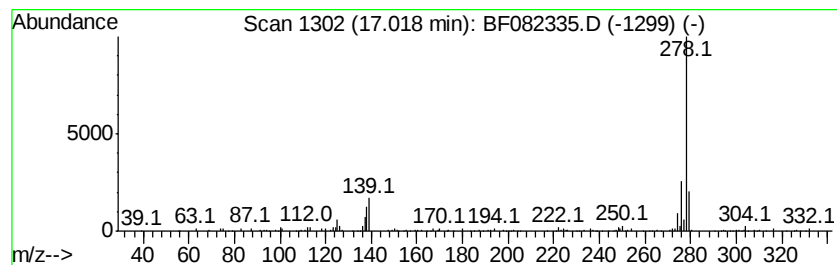
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzo[b]triphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	5.01 ng	137539	Perylene-d12	15.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
3		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	86
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	76
5		Pentacene	278	C22H14	000135-48-8	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
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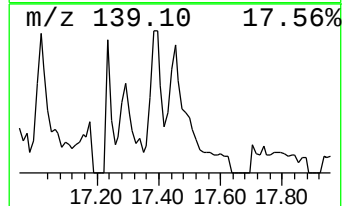
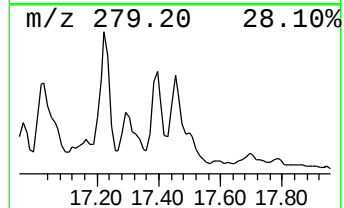
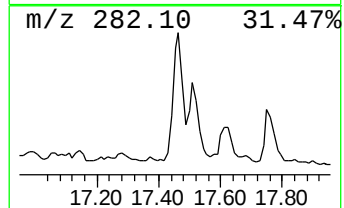
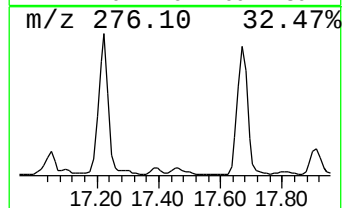
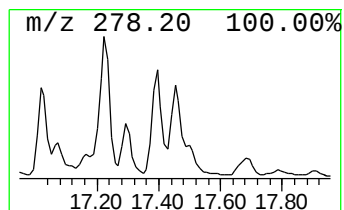
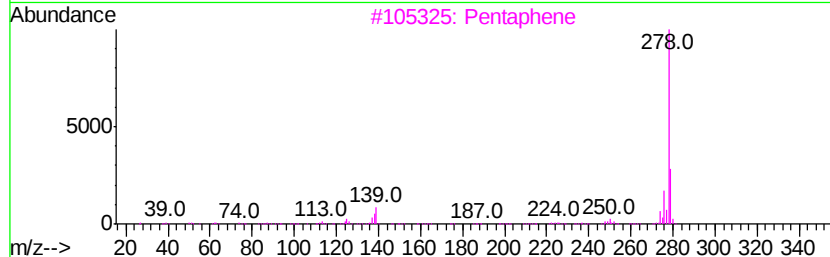
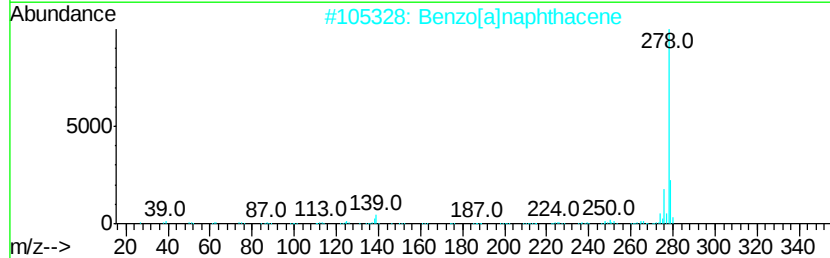
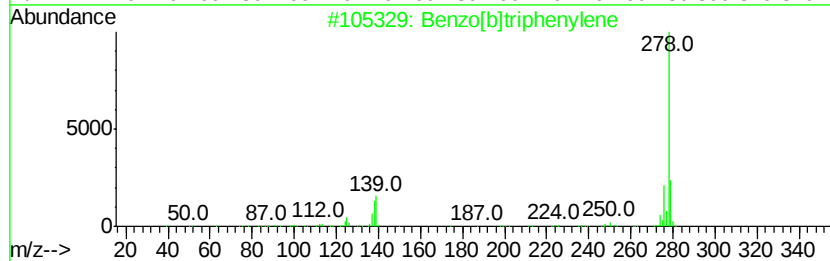
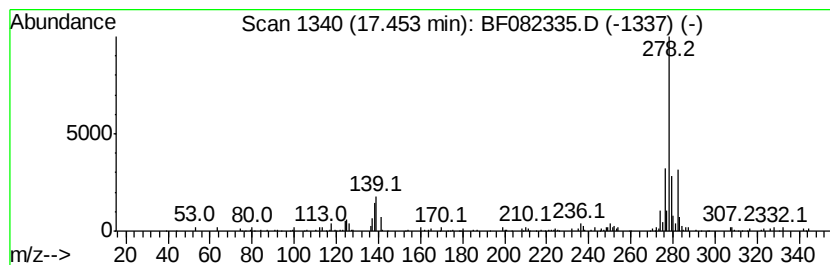
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[a]naphthacene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.45	6.19 ng	170053	Perylene-d12	15.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	94
3		Pentaphene	278	C22H14	000222-93-5	93
4		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
5		Benzo[b]chrysene	278	C22H14	000214-17-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082335.D
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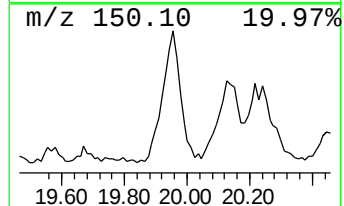
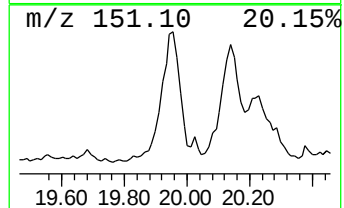
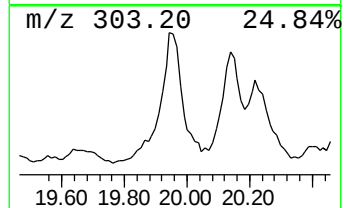
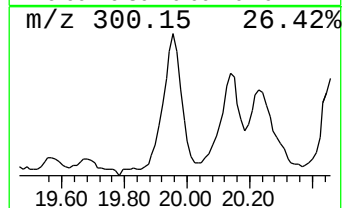
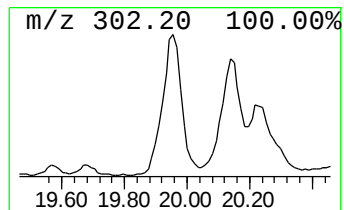
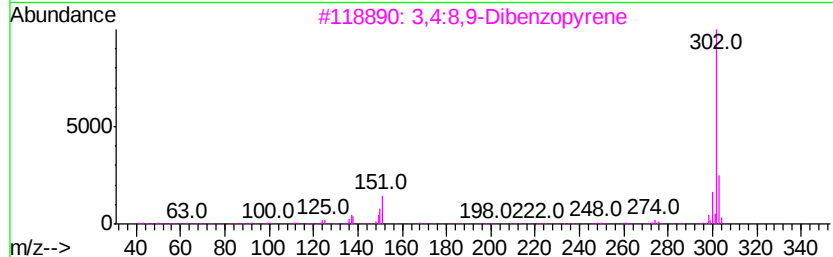
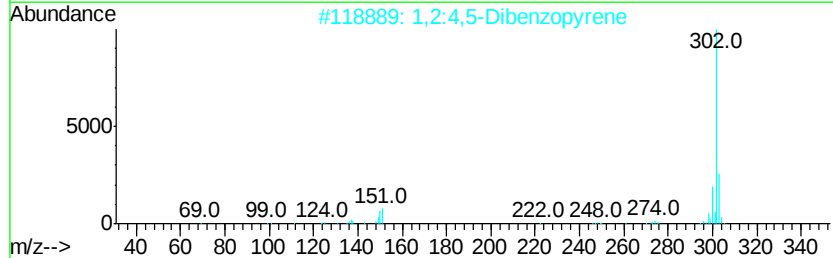
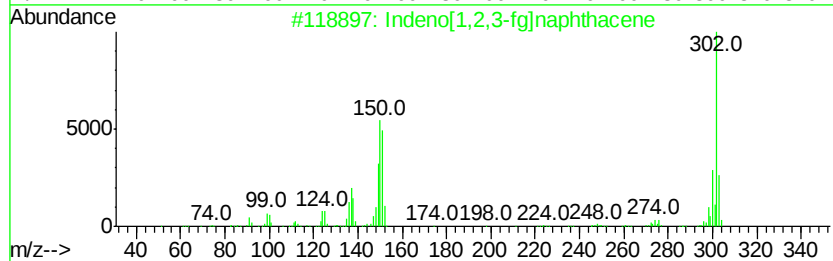
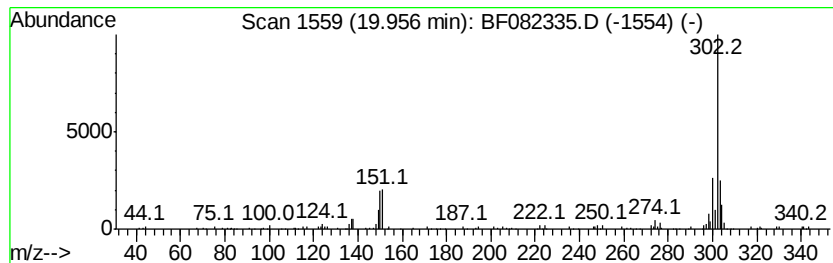
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Indeno[1,2,3-fg]naphthacene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	14.25 ng	391349	Perylene-d12	15.73

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
Operator : UM/IZ
Sample : G4051-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-5-20151015

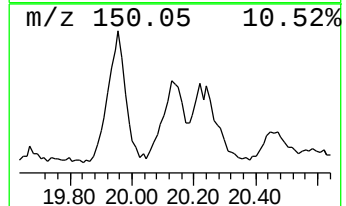
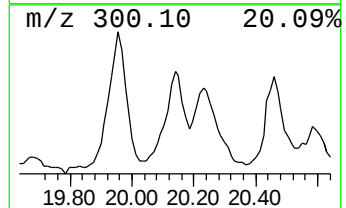
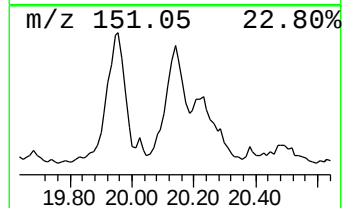
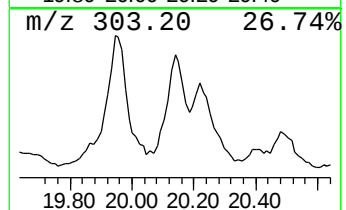
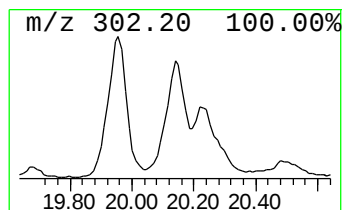
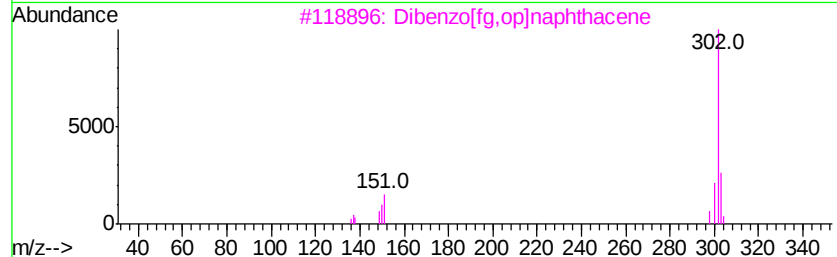
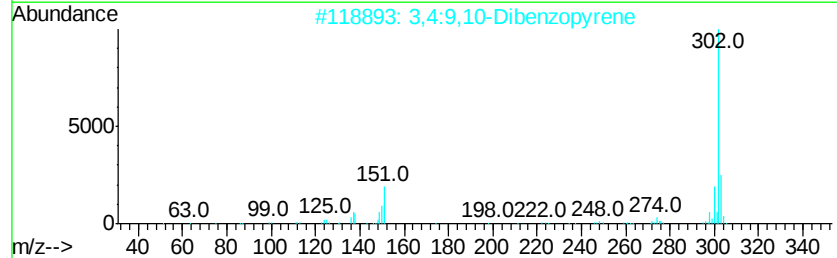
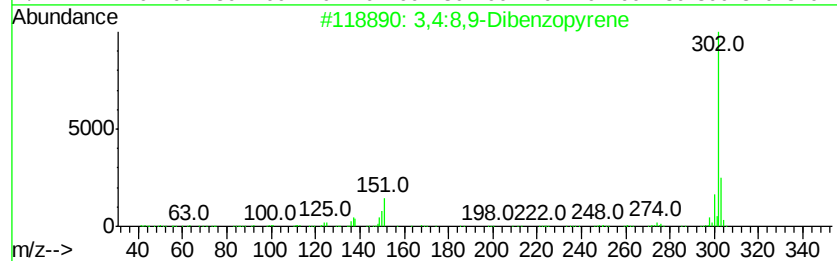
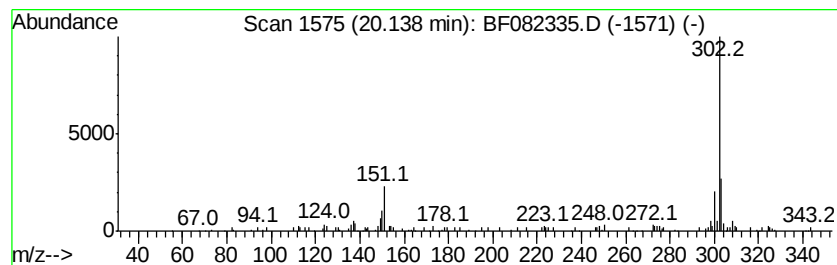
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 3,4:8,9-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	9.56 ng	262568	Perylene-d12	15.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
2			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	96
3			Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	76
4			1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	76
5			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
Operator : UM/IZ
Sample : G4051-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TK1-5-20151015

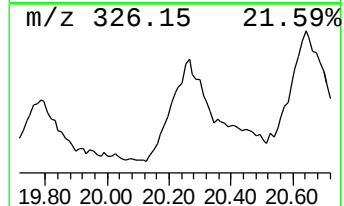
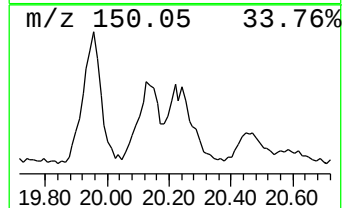
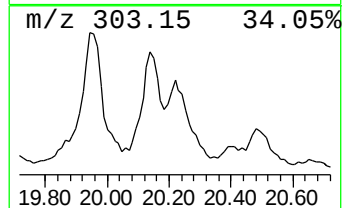
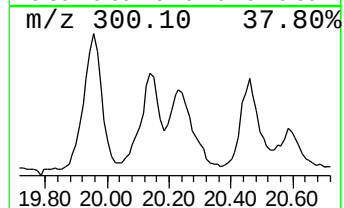
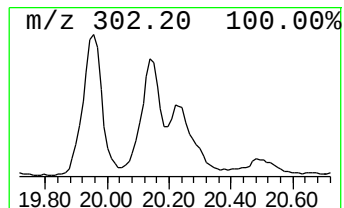
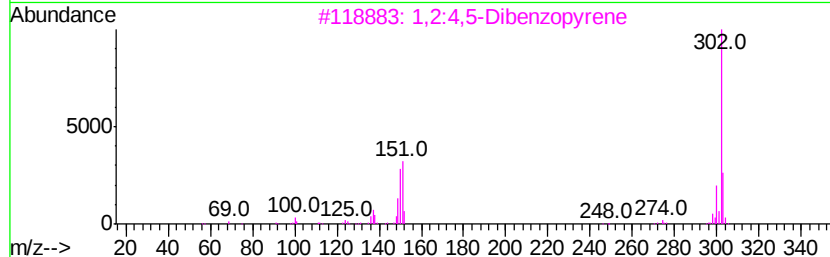
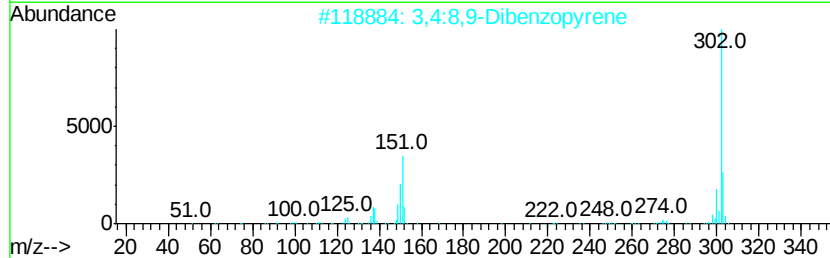
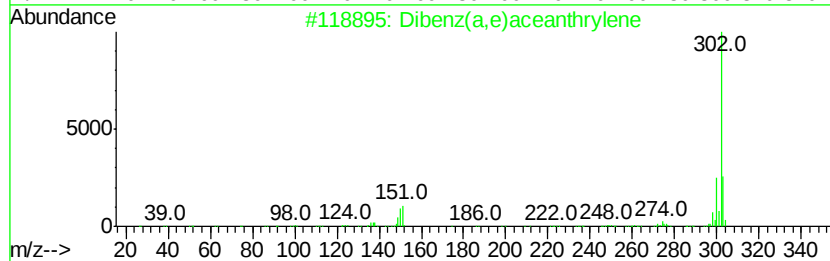
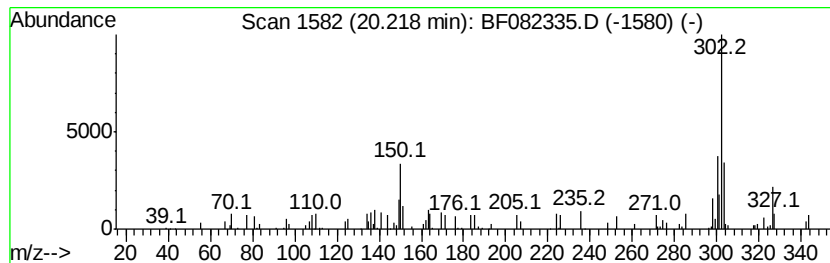
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenz(a,e)aceanthrylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	9.49 ng	260603	Perylene-d12	15.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	60
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	52
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	52
4		Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	50
5		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
Operator : UM/IZ
Sample : G4051-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK1-5-20151015

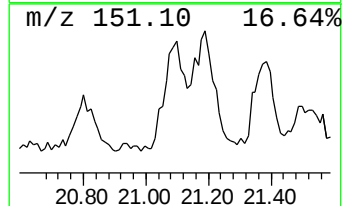
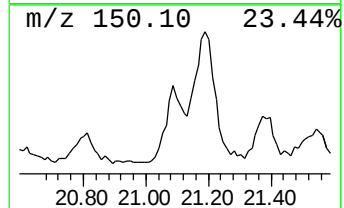
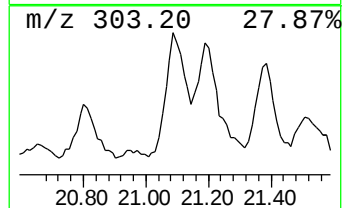
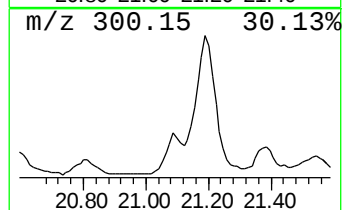
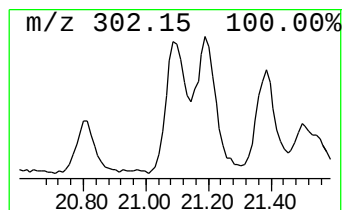
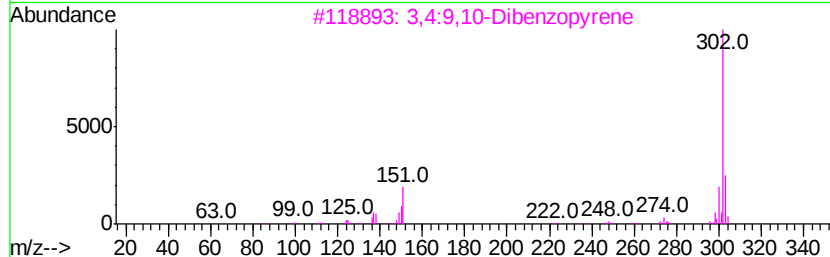
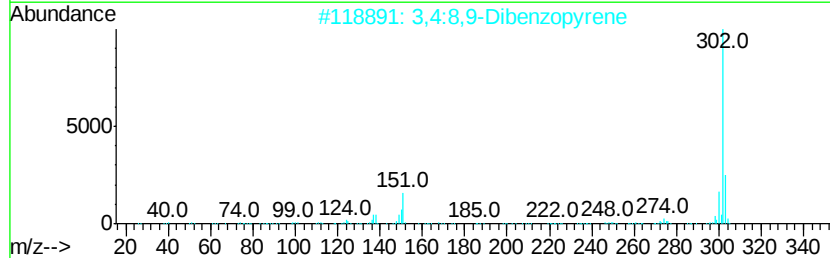
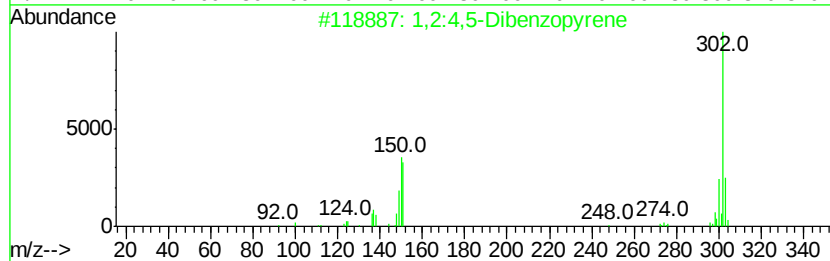
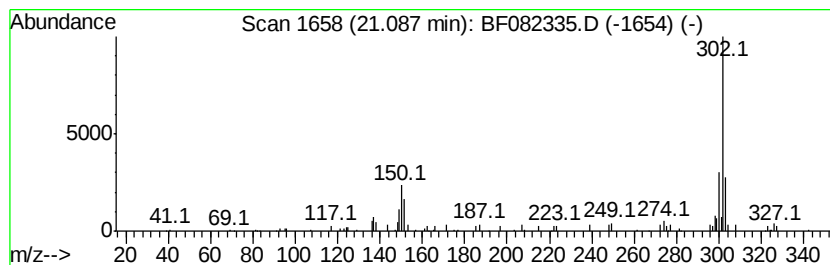
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	3.96 ng	108748	Perylene-d12	15.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	89
2			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	70
3			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	70
4			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	68
5			1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082335.D
Acq On : 16 Oct 2015 19:44
Operator : UM/IZ
Sample : G4051-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TK1-5-20151015

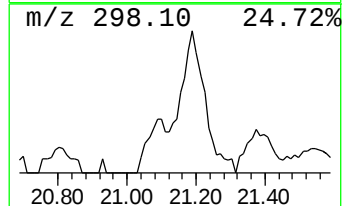
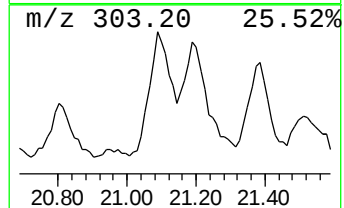
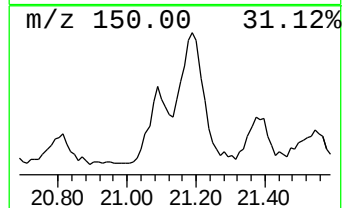
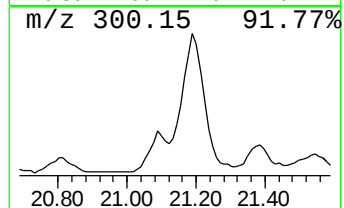
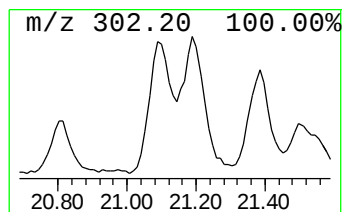
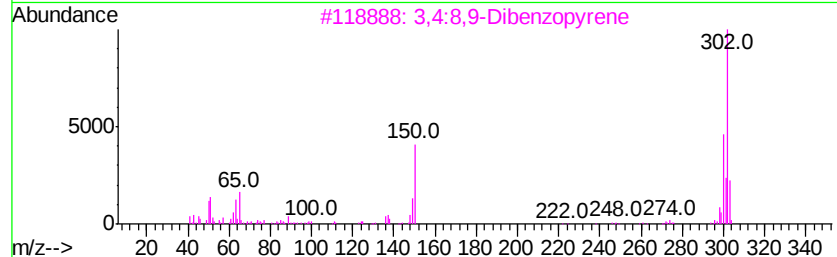
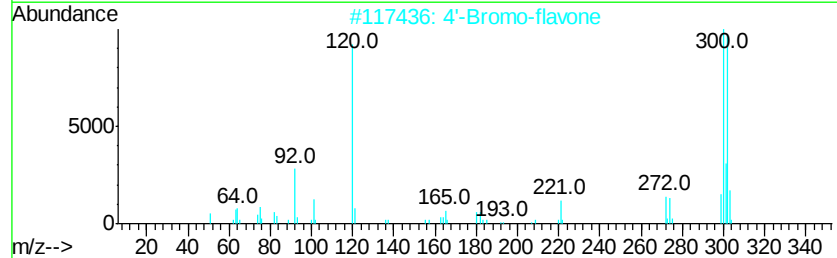
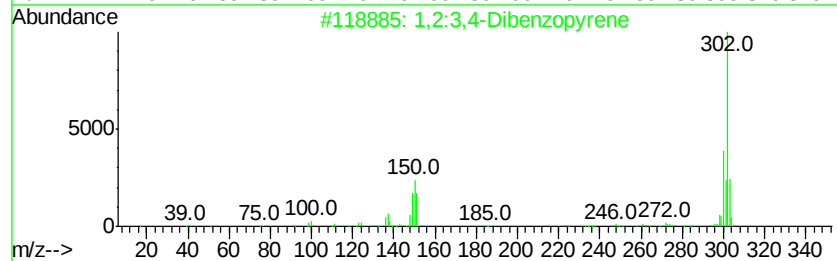
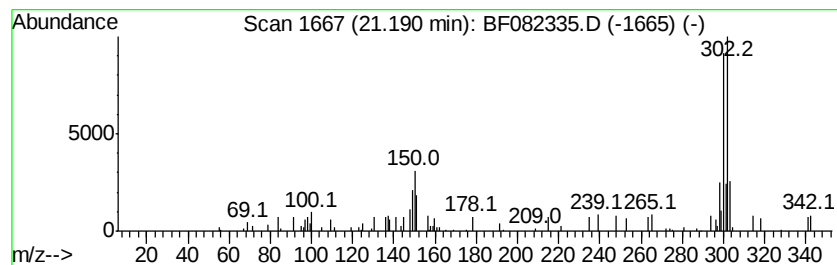
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:3,4-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.19	6.75 ng	185363	Perylene-d12	15.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70
2			4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	53
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	46
4			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	45
5			Coronene	300	C24H12	000191-07-1	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101715\
 Data File : BF082335.D
 Acq On : 16 Oct 2015 19:44
 Operator : UM/IZ
 Sample : G4051-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-5-20151015

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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
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unknown6.69	6.69	30.7	ng	481270	1	6.93	313712	20.0
4H-Cyclopenta[def...	12.06	4.8	ng	1069860	4	11.44	4441780	20.0
Fluoranthene, 2-m...	13.22	4.4	ng	725420	5	14.16	3318700	20.0
Phenol, 2,2'-[1,2...	15.19	3.9	ng	106937	6	15.73	549199	20.0
Dinaphtho[1,2-b:1...	15.49	8.2	ng	225274	6	15.73	549199	20.0
Benzoxazole, 2-[2...	16.78	4.0	ng	110563	6	15.73	549199	20.0
Benzo[b]triphenylene	17.02	5.0	ng	137539	6	15.73	549199	20.0
Benzo[a]naphthacene	17.45	6.2	ng	170053	6	15.73	549199	20.0
Indeno[1,2,3-fg]n...	19.96	14.3	ng	391349	6	15.73	549199	20.0
3,4:8,9-Dibenzopy...	20.14	9.6	ng	262568	6	15.73	549199	20.0
Dibenz(a,e)aceant...	20.22	9.5	ng	260603	6	15.73	549199	20.0
1,2:4,5-Dibenzopy...	21.09	4.0	ng	108748	6	15.73	549199	20.0
1,2:3,4-Dibenzopy...	21.19	6.8	ng	185363	6	15.73	549199	20.0